

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111020\
 Data File : BF122299.D
 Acq On : 10 Nov 2020 15:26
 Operator : JU/CG
 Sample : L4214-08
 Misc : LOQ-WATER-5ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Manual Integrations
 APPROVED

mohammad

11/11/2020 10:32:15 AM

Quant Time: Nov 10 15:53:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 10 13:10:47 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	346953	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	1285677	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	675321	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	1221937	20.00	ng	0.00
76) Chrysene-d12	14.027	240	1105413	20.00	ng	0.00
86) Perylene-d12	15.492	264	1084819	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	2246556	99.43	ng	0.00
7) Phenol-d6	6.492	99	2877224	97.34	ng	0.00
23) Nitrobenzene-d5	7.428	82	1866176	88.86	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	799653	110.33	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	3129801	72.41	ng	0.00
79) Terphenyl-d14	12.980	244	3572335	68.46	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	39671	3.83	ng	92
3) Pyridine	3.440	79	107313	3.77	ng	92
4) n-Nitrosodimethylamine	3.316	42	51222	3.81	ng	96
6) Aniline	6.528	93	151191	3.90	ng	95
8) 2-Chlorophenol	6.651	128	94514	4.03	ng	91
9) Benzaldehyde	6.410	77	80230	4.81	ng	99
10) Phenol	6.498	94	113165m	3.89	ng	
11) bis(2-Chloroethyl)ether	6.598	93	92239	3.99	ng	97
12) 1,3-Dichlorobenzene	6.804	146	108052	4.06	ng	99
13) 1,4-Dichlorobenzene	6.881	146	107739	4.03	ng	98
14) 1,2-Dichlorobenzene	7.039	146	100456	4.03	ng	98
15) Benzyl Alcohol	6.998	79	67269	3.20	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	131716	3.91	ng	98
17) 2-Methylphenol	7.104	107	76471	3.91	ng	98
18) Hexachloroethane	7.381	117	36763	3.95	ng	97
19) n-Nitroso-di-n-propyla...	7.269	70	70959	4.02	ng	98
20) 3+4-Methylphenols	7.257	107	97985	4.07	ng	# 69
22) Acetophenone	7.269	105	141573	4.23	ng	# 86
24) Nitrobenzene	7.445	77	108132	4.50	ng	97
25) Isophorone	7.681	82	180447	3.85	ng	97
26) 2-Nitrophenol	7.757	139	31693	3.91	ng	92
27) 2,4-Dimethylphenol	7.792	122	85492	3.87	ng	99
28) bis(2-Chloroethoxy)met...	7.892	93	113147	3.95	ng	99
29) 2,4-Dichlorophenol	7.998	162	73643	3.77	ng	97
30) 1,2,4-Trichlorobenzene	8.092	180	85757	3.97	ng	97
31) Naphthalene	8.169	128	283453	4.15	ng	99
32) Benzoic acid	7.834	122	23074m	2.32	ng	
33) 4-Chloroaniline	8.210	127	117911	3.96	ng	98
34) Hexachlorobutadiene	8.292	225	49607	4.00	ng	98
35) Caprolactam	8.534	113	23050	3.72	ng	91
36) 4-Chloro-3-methylphenol	8.681	107	78001	3.83	ng	97
37) 2-Methylnaphthalene	8.863	142	188030	4.16	ng	99
38) 1-Methylnaphthalene	8.963	142	173707	4.11	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	84842	4.08	ng	99
41) Hexachlorocyclopentadiene	9.022	237	43724	3.59	ng	98
43) 2,4,6-Trichlorophenol	9.133	196	50234	3.72	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111020\
 Data File : BF122299.D
 Acq On : 10 Nov 2020 15:26
 Operator : JU/CG
 Sample : L4214-08
 Misc : LOQ-WATER-5ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Manual Integrations
 APPROVED

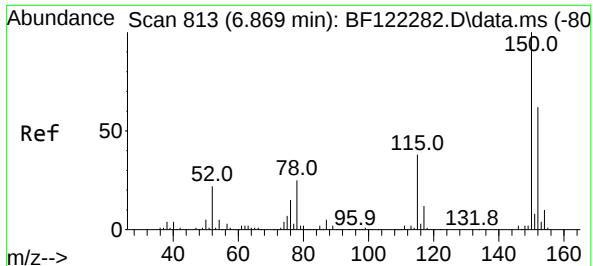
mohammad

11/11/2020 10:32:15 AM

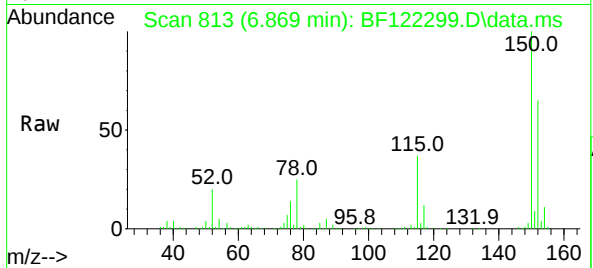
Quant Time: Nov 10 15:53:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 10 13:10:47 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	51650	3.65	ng	98
46) 1,1'-Biphenyl	9.328	154	231649	4.31	ng	97
47) 2-Chloronaphthalene	9.351	162	173155	4.06	ng	95
48) 2-Nitroaniline	9.433	65	41134	3.93	ng	93
49) Acenaphthylene	9.763	152	268272	4.09	ng	99
50) Dimethylphthalate	9.616	163	194955	4.06	ng	99
51) 2,6-Dinitrotoluene	9.675	165	37149	4.00	ng	96
52) Acenaphthene	9.933	154	169862	4.19	ng	99
53) 3-Nitroaniline	9.839	138	42668	3.98	ng	# 99
54) 2,4-Dinitrophenol	9.945	184	6449	2.27	ng	# 1
55) Dibenzofuran	10.104	168	247488	4.16	ng	98
56) 4-Nitrophenol	9.986	139	31028	3.39	ng	93
57) 2,4-Dinitrotoluene	10.075	165	42553	3.79	ng	# 94
58) Fluorene	10.451	166	196648	4.32	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.222	232	45602	3.87	ng	98
60) Diethylphthalate	10.322	149	189502	4.02	ng	97
61) 4-Chlorophenyl-phenyle...	10.445	204	91406	4.25	ng	98
62) 4-Nitroaniline	10.445	138	40232	3.81	ng	88
63) Azobenzene	10.604	77	200284	4.05	ng	99
65) 4,6-Dinitro-2-methylph...	10.480	198	11218	2.42	ng	78
66) n-Nitrosodiphenylamine	10.557	169	168778	4.05	ng	97
67) 4-Bromophenyl-phenylether	10.933	248	56688	3.95	ng	97
68) Hexachlorobenzene	10.998	284	62137	4.01	ng	98
69) Atrazine	11.080	200	45348	4.37	ng	99
70) Pentachlorophenol	11.186	266	28613	3.20	ng	98
71) Phenanthrene	11.410	178	294336	4.25	ng	99
72) Anthracene	11.463	178	295982	4.14	ng	99
73) Carbazole	11.610	167	268637	4.13	ng	99
74) Di-n-butylphthalate	11.951	149	270902	3.91	ng	98
75) Fluoranthene	12.598	202	295571	4.08	ng	97
77) Benzidine	12.716	184	135141	4.41	ng	# 95
78) Pyrene	12.827	202	313399	4.04	ng	98
80) Butylbenzylphthalate	13.451	149	91878	3.29	ng	90
81) Benzo(a)anthracene	14.015	228	288398	4.20	ng	98
82) 3,3'-Dichlorobenzidine	13.974	252	95489	3.73	ng	96
83) Chrysene	14.051	228	287245	4.15	ng	98
84) Bis(2-ethylhexyl)phtha...	14.015	149	146086	3.90	ng	100
85) Di-n-octyl phthalate	14.627	149	210301	3.31	ng	99
87) Indeno(1,2,3-cd)pyrene	16.939	276	242365	3.72	ng	99
88) Benzo(b)fluoranthene	15.057	252	270183	3.85	ng	98
89) Benzo(k)fluoranthene	15.086	252	258121	3.77	ng	98
90) Benzo(a)pyrene	15.421	252	228876	3.74	ng	99
91) Dibenzo(a,h)anthracene	16.962	278	205223	3.76	ng	97
92) Benzo(g,h,i)perylene	17.374	276	194378	3.67	ng	98

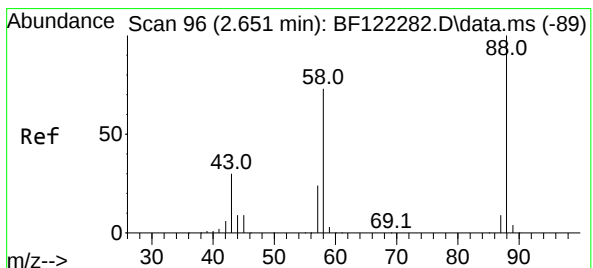
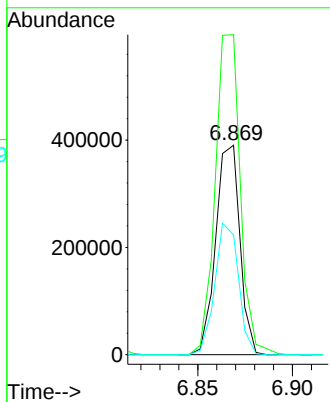
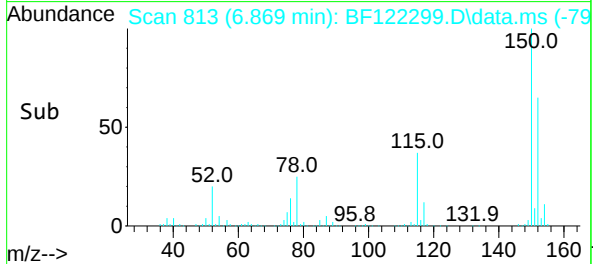
(#) = qualifier out of range (m) = manual integration (+) = signals summed



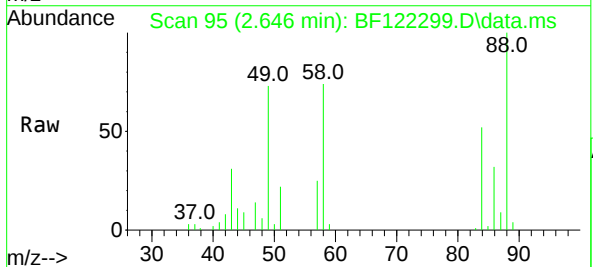
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.869 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: BF122299.D
 Acq: 10 Nov 2020 15:26



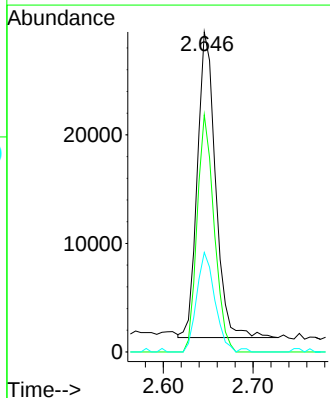
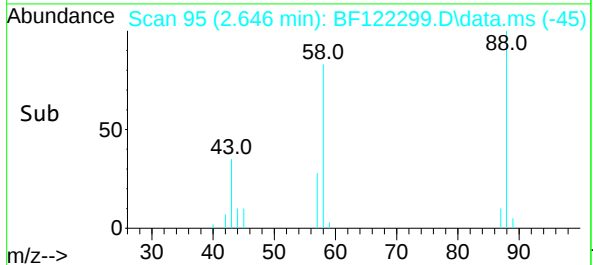
Tgt Ion:152 Resp: 346953
 Ion Ratio Lower Upper
 152 100
 150 152.8 125.3 187.9
 115 57.3 51.9 77.9



#2
 1,4-Dioxane
 Concen: 3.83 ng
 RT: 2.646 min Scan# 95
 Delta R.T. -0.006 min
 Lab File: BF122299.D
 Acq: 10 Nov 2020 15:26



Tgt Ion: 88 Resp: 39671
 Ion Ratio Lower Upper
 88 100
 58 72.4 65.8 98.8
 43 32.9 25.8 38.8

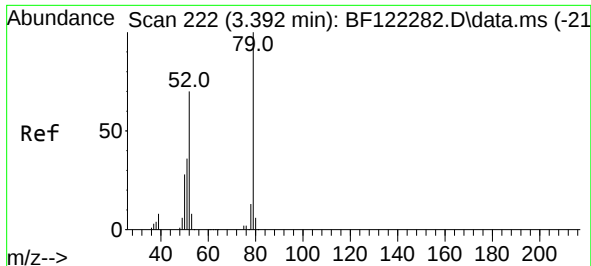


Instrument :
 BNA_F
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Manual Integrations
 APPROVED

mohammad

11/11/2020 10:32:15 AM



#3
Pyridine
Concen: 3.77 ng
RT: 3.440 min Scan# 230
Delta R.T. 0.047 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

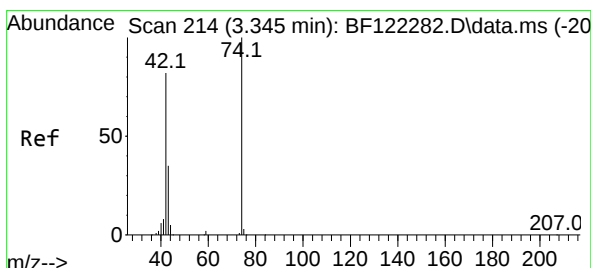
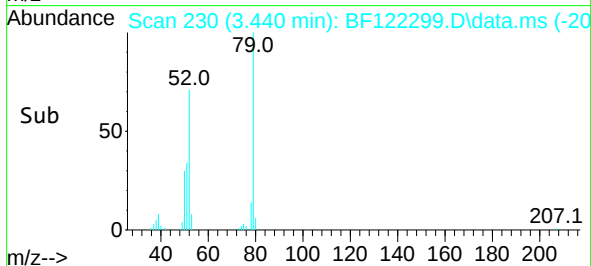
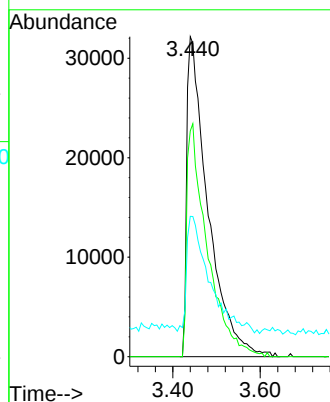
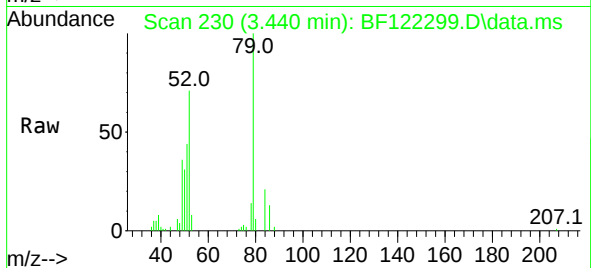
Tgt Ion: 79 Resp: 107313
Ion Ratio Lower Upper
79 100
52 70.5 62.2 93.4
51 43.9 31.1 46.7

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

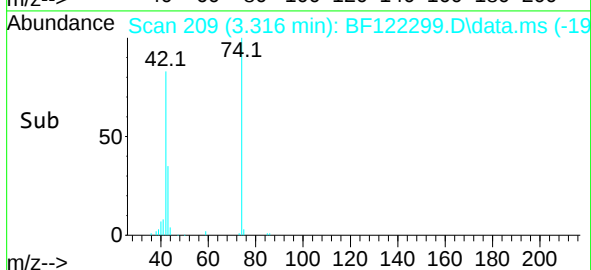
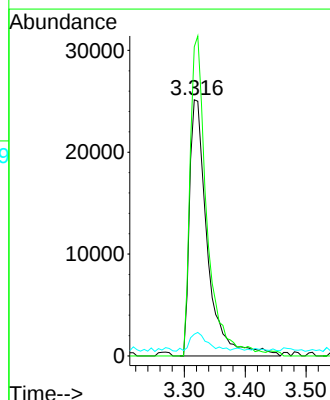
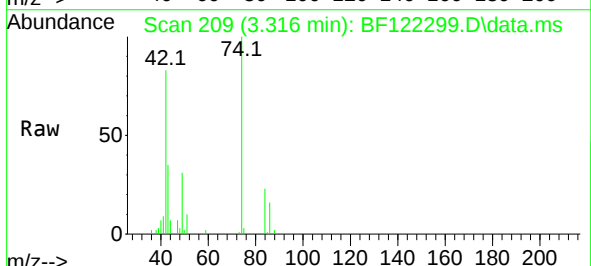
mohammad

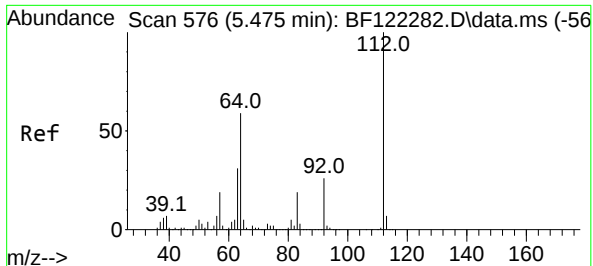
11/11/2020 10:32:15 AM



#4
n-Nitrosodimethylamine
Concen: 3.81 ng
RT: 3.316 min Scan# 209
Delta R.T. -0.029 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion: 42 Resp: 51222
Ion Ratio Lower Upper
42 100
74 120.7 100.2 150.2
44 8.5 5.8 8.6





#5
2-Fluorophenol
Concen: 99.43 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

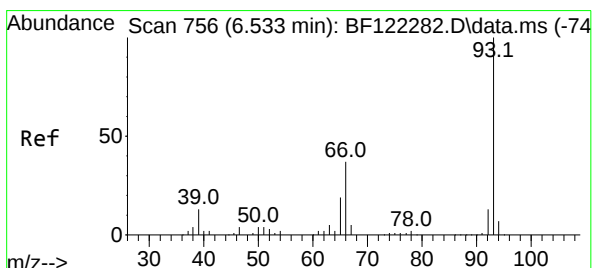
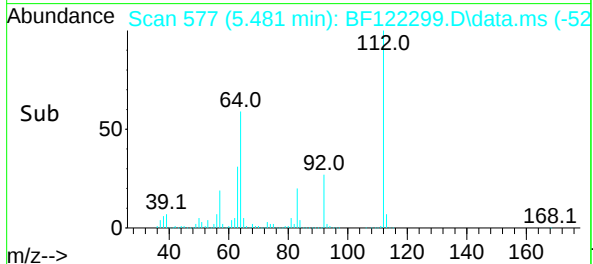
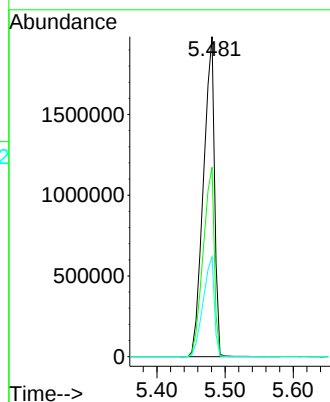
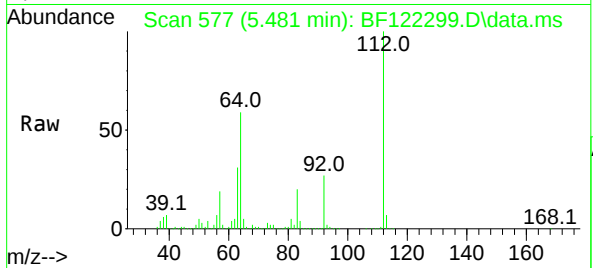
Tgt Ion: 112 Resp: 2246556
Ion Ratio Lower Upper
112 100
64 59.2 50.4 75.6
63 31.2 25.8 38.6

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

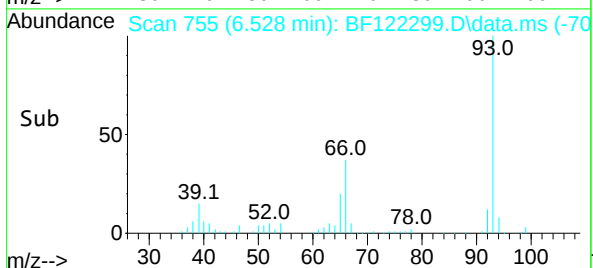
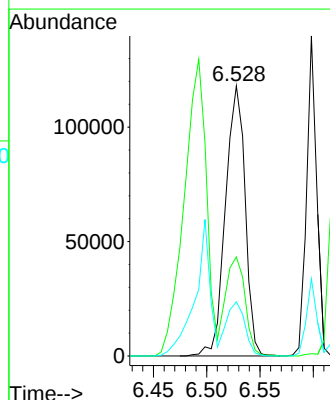
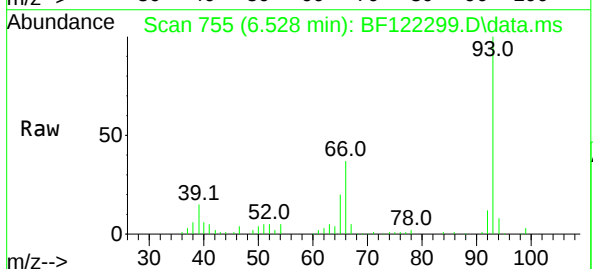
mohammad

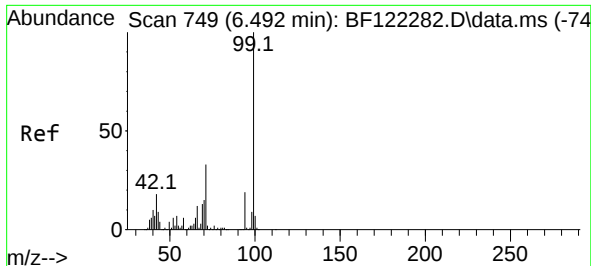
11/11/2020 10:32:15 AM



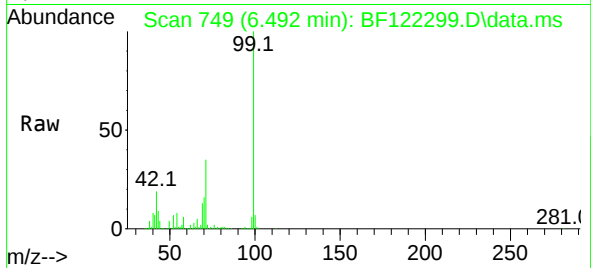
#6
Aniline
Concen: 3.90 ng
RT: 6.528 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion: 93 Resp: 151191
Ion Ratio Lower Upper
93 100
66 36.7 32.7 49.1
65 20.0 16.6 24.8



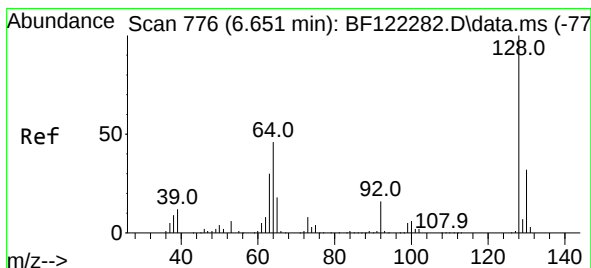
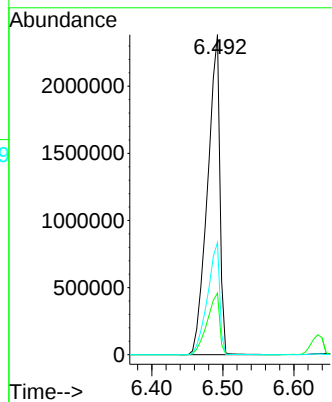
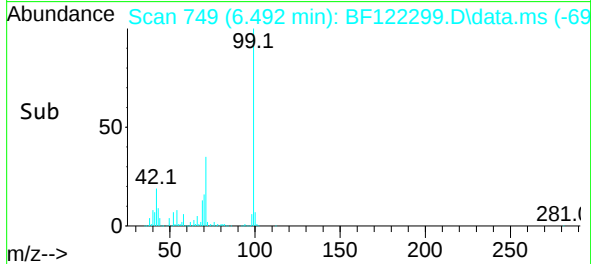


#7
Phenol-d6
Concen: 97.34 ng
RT: 6.492 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

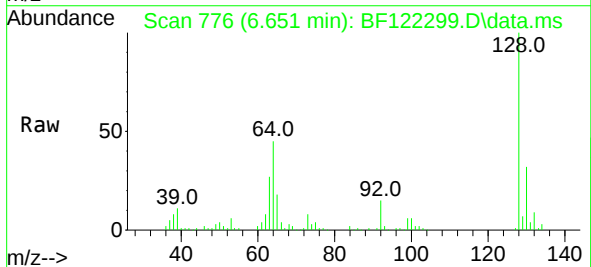


Tgt Ion: 99 Resp: 2877224

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.9	23.9
71	35.1	27.1	40.7

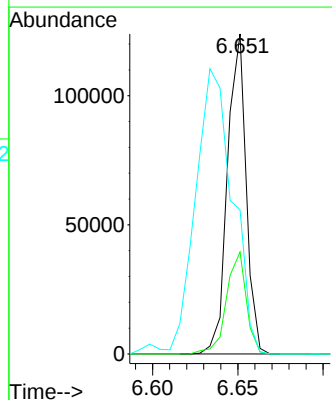
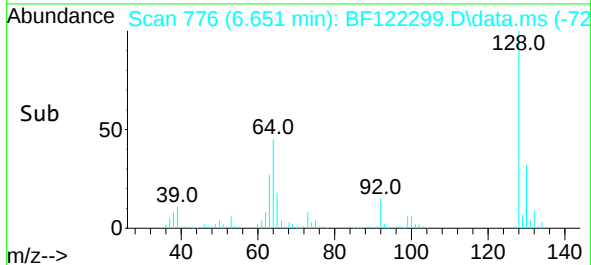


#8
2-Chlorophenol
Concen: 4.03 ng
RT: 6.651 min Scan# 776
Delta R.T. 0.000 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion: 128 Resp: 94514

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.4	52.4
64	45.0	34.8	74.8

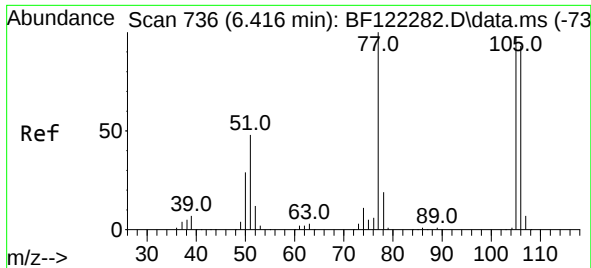


Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

mohammad

11/11/2020 10:32:15 AM



#9
Benzaldehyde
Concen: 4.81 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

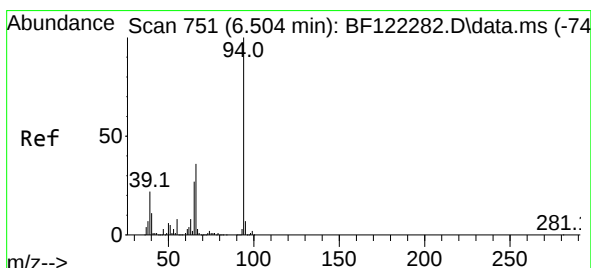
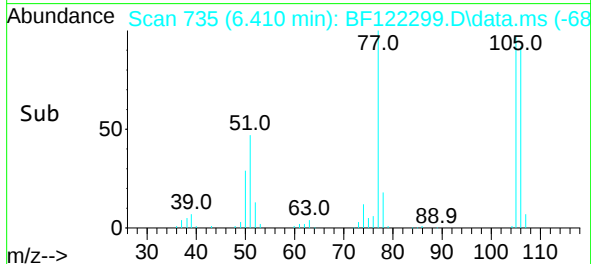
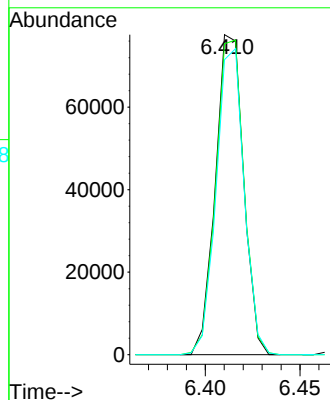
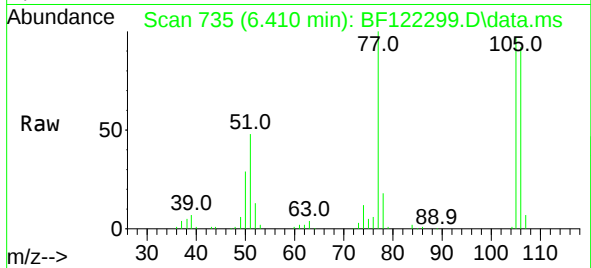
Tgt Ion:	77	Resp:	80230
Ion	Ratio	Lower	Upper
77	100		
105	97.2	76.7	116.7
106	92.2	71.3	111.3

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

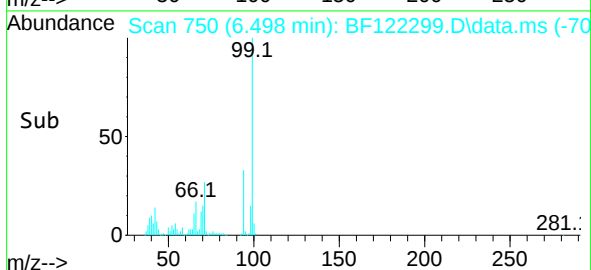
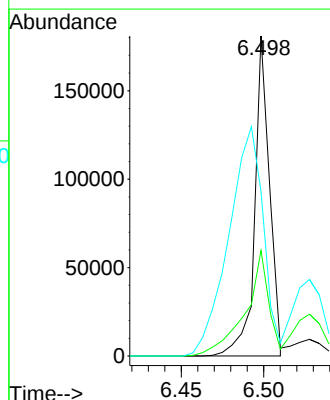
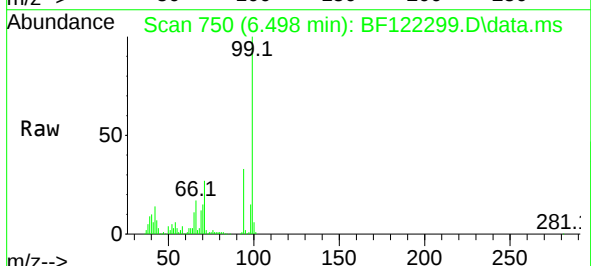
mohammad

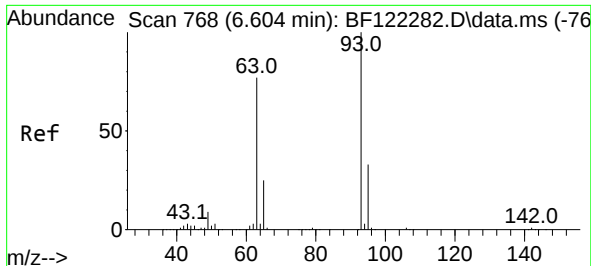
11/11/2020 10:32:15 AM



#10
Phenol
Concen: 3.89 ng m
RT: 6.498 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:	94	Resp:	113165
Ion	Ratio	Lower	Upper
94	100		
65	33.0	17.1	57.1
66	51.4	36.0	76.0





#11
bis(2-Chloroethyl)ether
Concen: 3.99 ng
RT: 6.598 min Scan# 767
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

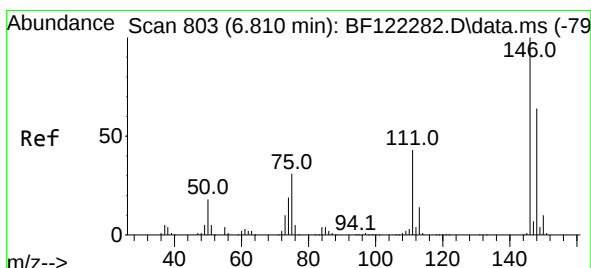
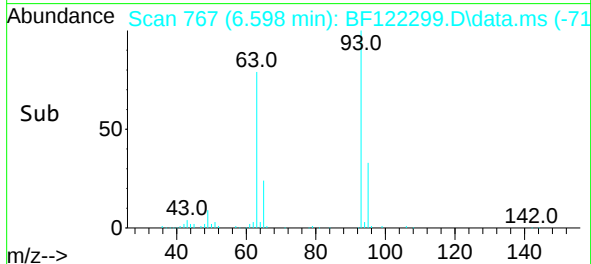
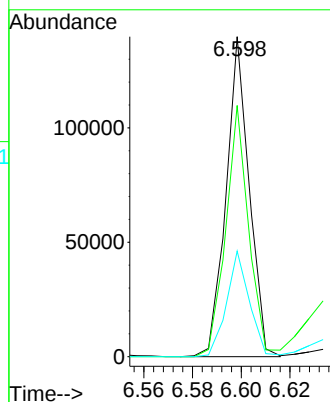
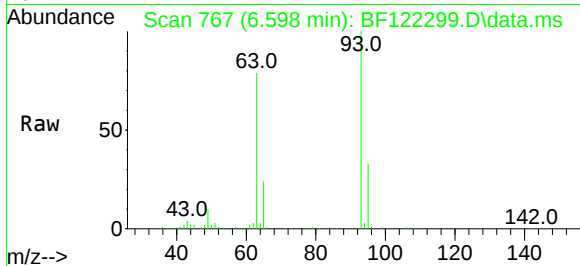
Tgt Ion: 93	Resp: 92239
Ion Ratio	Lower Upper
93 100	
63 78.5	62.4 102.4
95 33.0	12.6 52.6

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

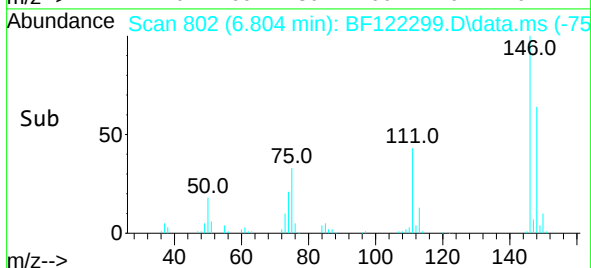
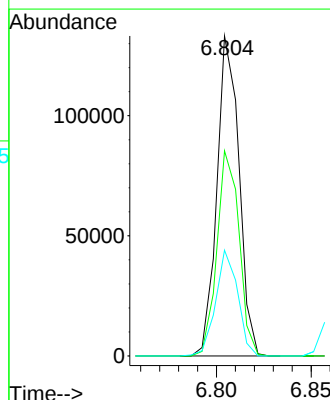
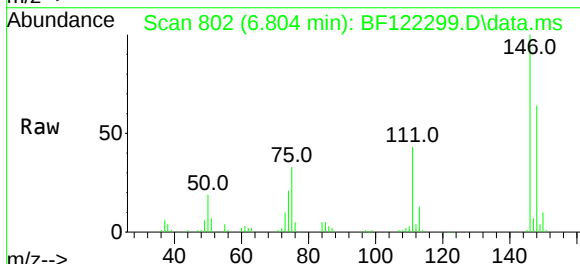
mohammad

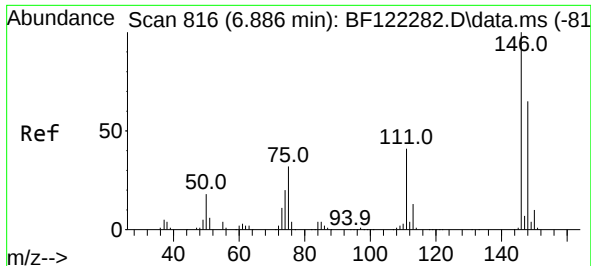
11/11/2020 10:32:15 AM



#12
1,3-Dichlorobenzene
Concen: 4.06 ng
RT: 6.804 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:146	Resp: 108052		
Ion Ratio	Lower	Upper	
146	100		
148	64.1	51.0	76.4
75	33.1	27.6	41.4





#13
1,4-Dichlorobenzene
Concen: 4.03 ng
RT: 6.881 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

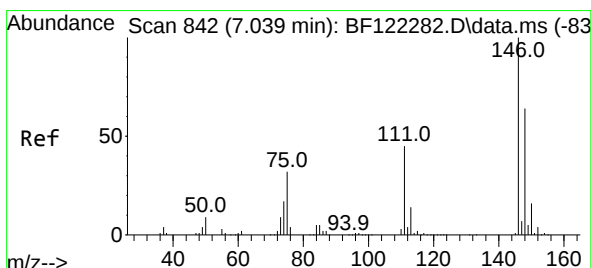
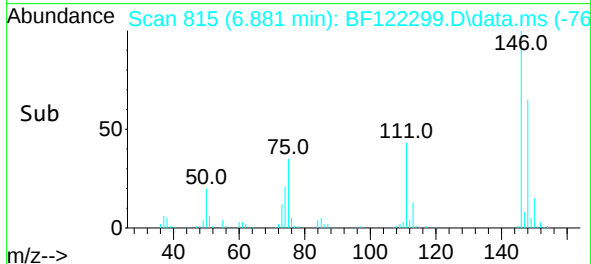
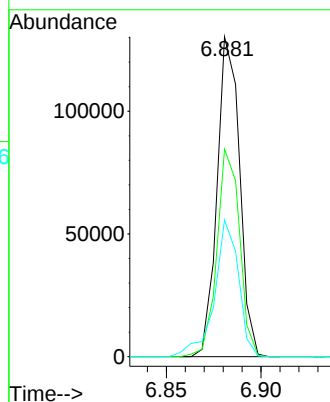
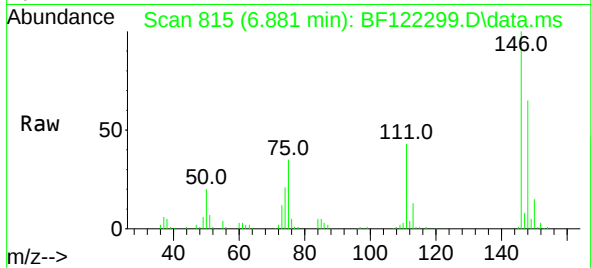
Tgt Ion:146 Resp: 107739
Ion Ratio Lower Upper
146 100
148 64.9 50.1 75.1
111 42.7 34.6 52.0

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

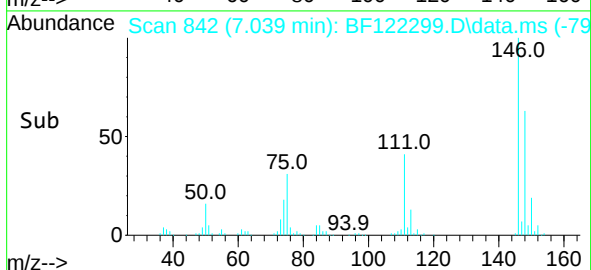
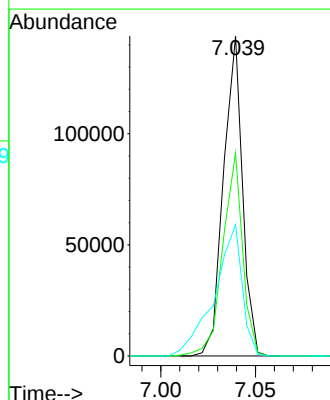
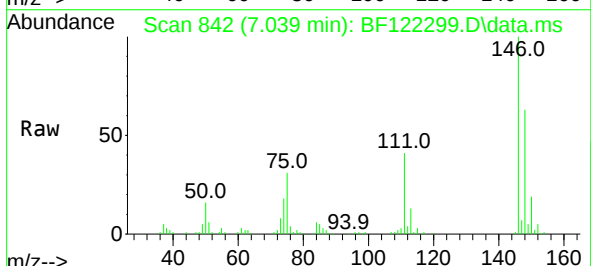
mohammad

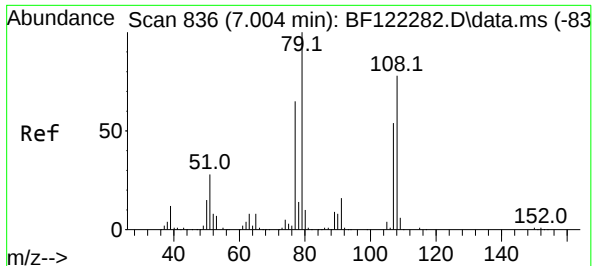
11/11/2020 10:32:15 AM



#14
1,2-Dichlorobenzene
Concen: 4.03 ng
RT: 7.039 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:146 Resp: 100456
Ion Ratio Lower Upper
146 100
148 63.4 51.1 76.7
111 41.0 34.2 51.4





#15

Benzyl Alcohol

Concen: 3.20 ng

RT: 6.998 min Scan# 835

Delta R.T. -0.006 min

Lab File: BF122299.D

Acq: 10 Nov 2020 15:26

Tgt Ion: 79 Resp: 67269

Ion Ratio Lower Upper

79 100

108 79.1 62.3 93.5

77 64.7 50.6 75.8

Instrument :

BNA_F

ClientSampleId :

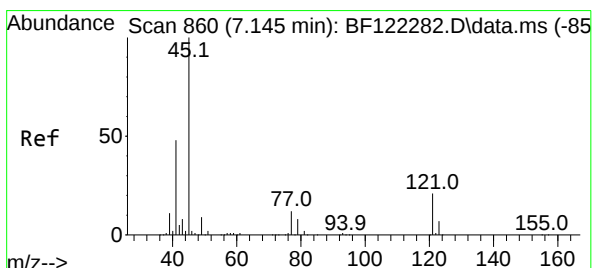
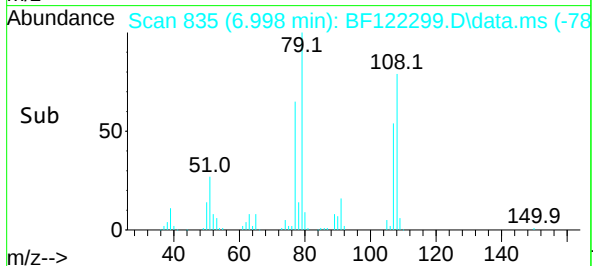
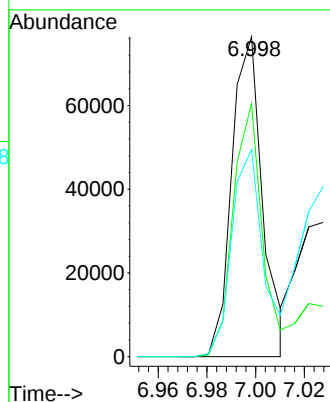
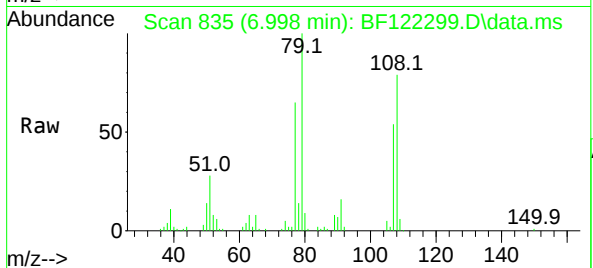
LOQ-WATER-02-QT4-2020

Manual Integrations

APPROVED

mohammad

11/11/2020 10:32:15 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.91 ng

RT: 7.139 min Scan# 859

Delta R.T. -0.006 min

Lab File: BF122299.D

Acq: 10 Nov 2020 15:26

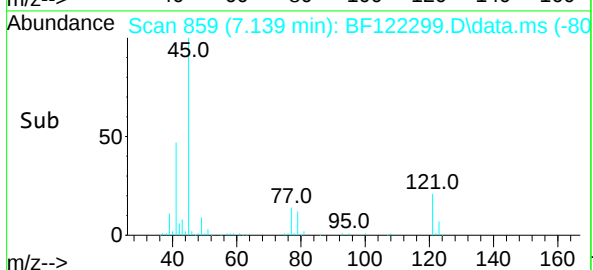
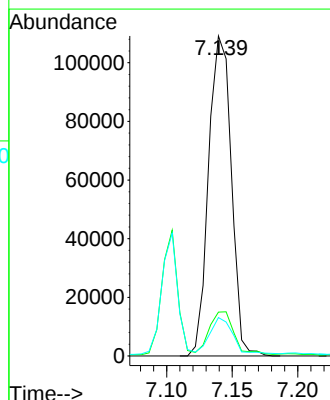
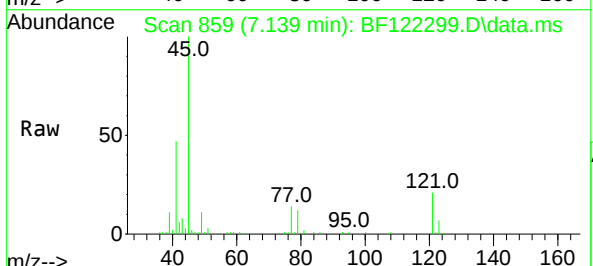
Tgt Ion: 45 Resp: 131716

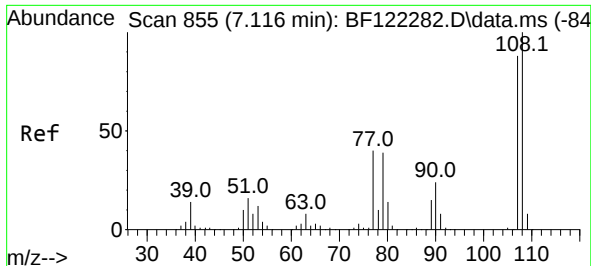
Ion Ratio Lower Upper

45 100

77 13.7 0.0 33.3

79 12.0 0.0 30.4





#17
2-Methylphenol
Concen: 3.91 ng
RT: 7.104 min Scan# 853
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

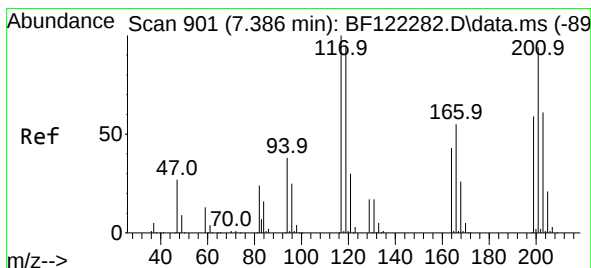
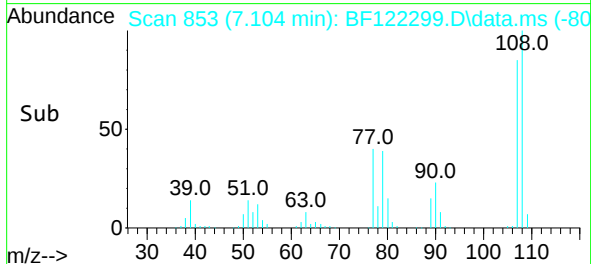
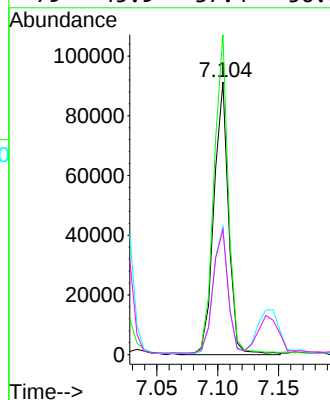
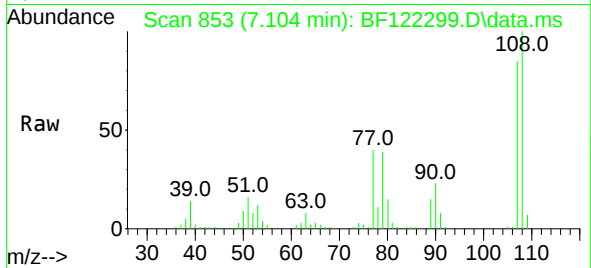
Tgt Ion:	107	Resp:	76471
Ion	Ratio	Lower	Upper
107	100		
108	117.4	90.9	136.3
77	47.0	37.5	56.3
79	45.9	37.4	56.0

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

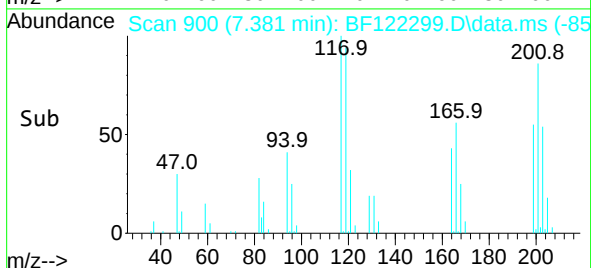
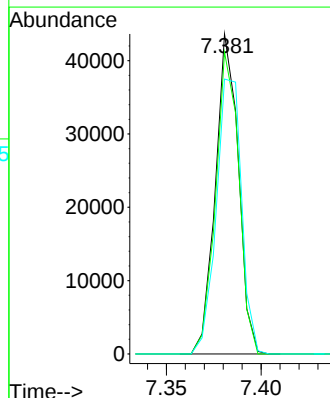
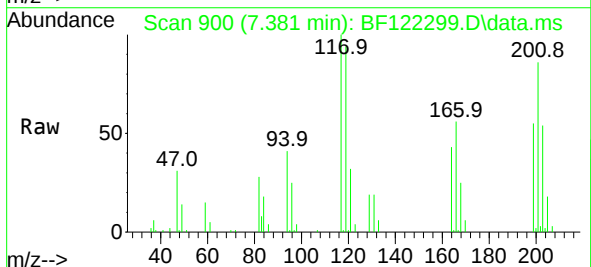
mohammad

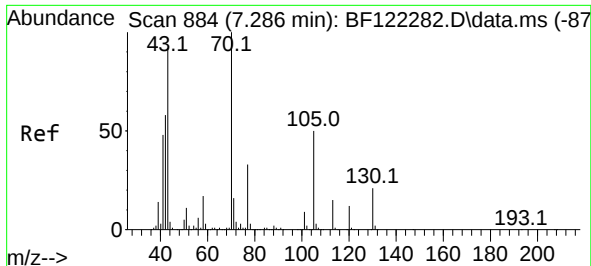
11/11/2020 10:32:15 AM



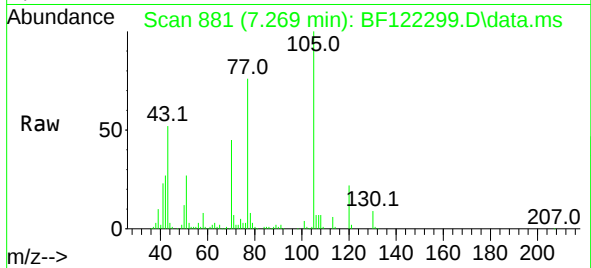
#18
Hexachloroethane
Concen: 3.95 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:	117	Resp:	36763
Ion	Ratio	Lower	Upper
117	100		
119	94.3	76.3	114.5
201	85.9	71.8	107.6

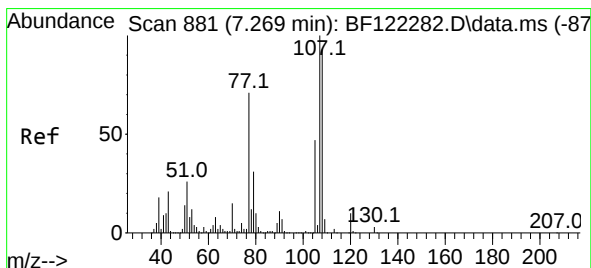
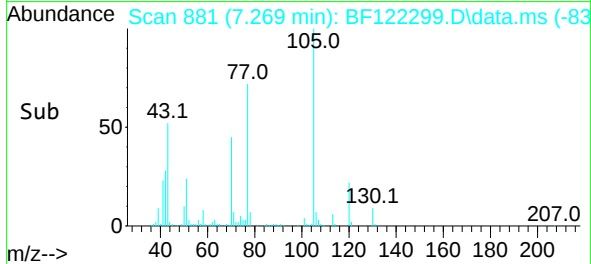
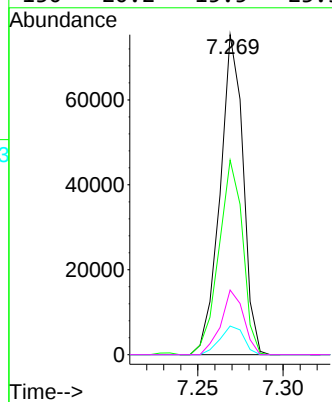




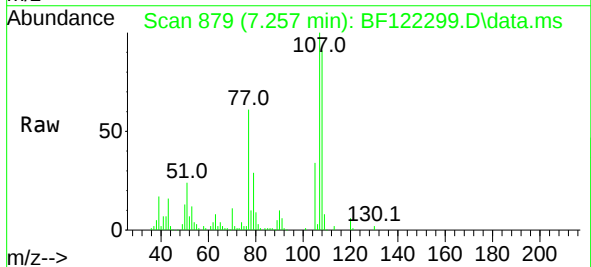
#19
n-Nitroso-di-n-propylamine
Concen: 4.02 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.017 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



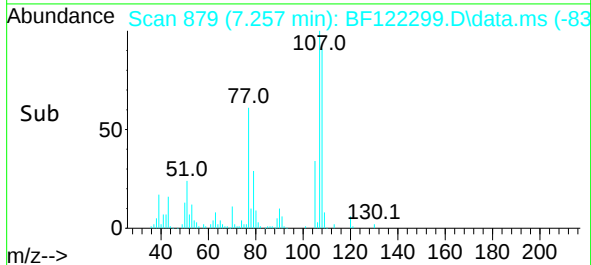
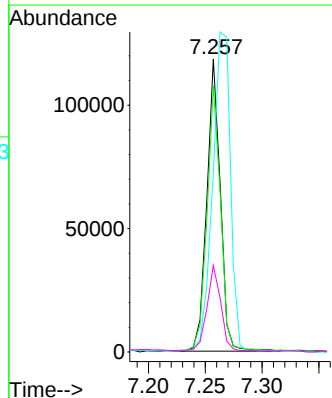
Tgt Ion:	70	Resp:	70959
Ion Ratio	Lower	Upper	
70	100		
42	60.8	50.2	75.4
101	8.9	7.5	11.3
130	20.2	15.5	23.3



#20
3+4-Methylphenols
Concen: 4.07 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion:	107	Resp:	97985
Ion Ratio	Lower	Upper	
107	100		
108	90.9	68.9	108.9
77	61.1	108.0	148.0#
79	29.5	10.5	50.5

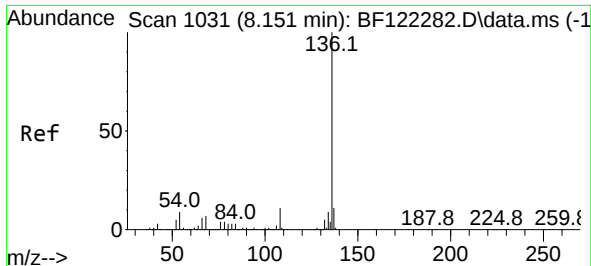


Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

mohammad

11/11/2020 10:32:15 AM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:136 Resp: 1285677

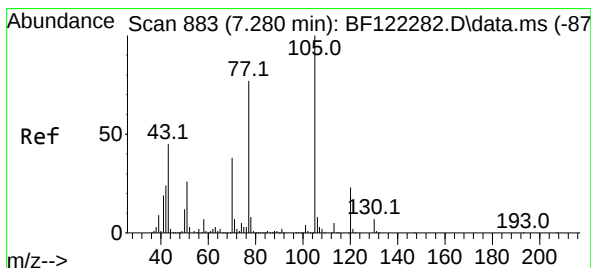
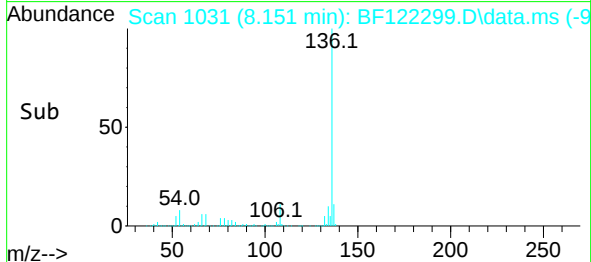
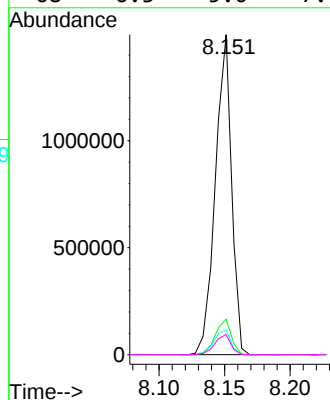
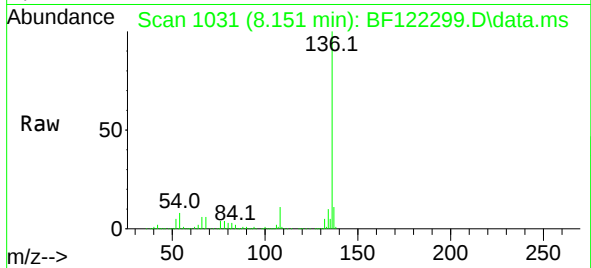
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	7.7	7.1	10.7
68	6.3	5.0	7.4

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

mohammad

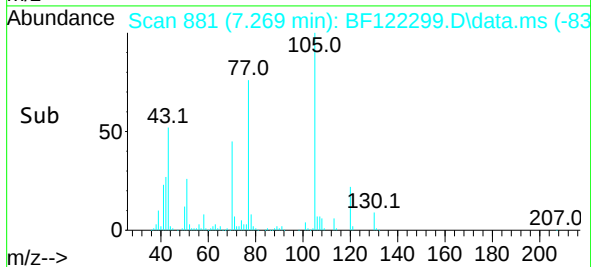
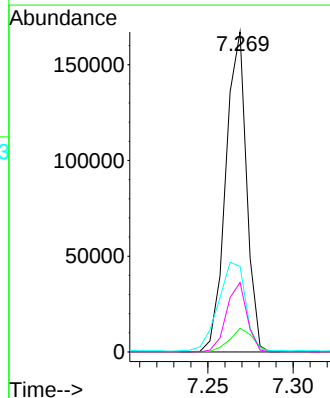
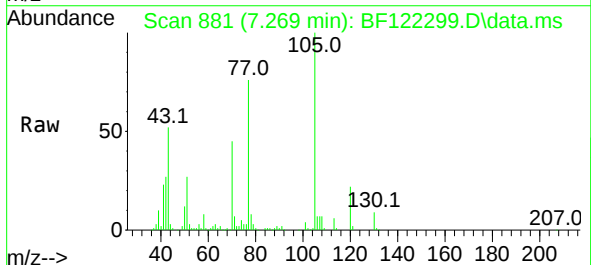
11/11/2020 10:32:15 AM

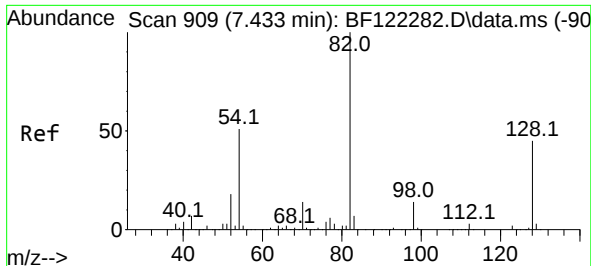


#22
Acetophenone
Concen: 4.23 ng
RT: 7.269 min Scan# 881
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:105 Resp: 141573

Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.3	7.9
51	26.8	33.2	49.8#
120	21.7	17.4	26.0





#23

Nitrobenzene-d5

Concen: 88.86 ng

RT: 7.428 min Scan# 908

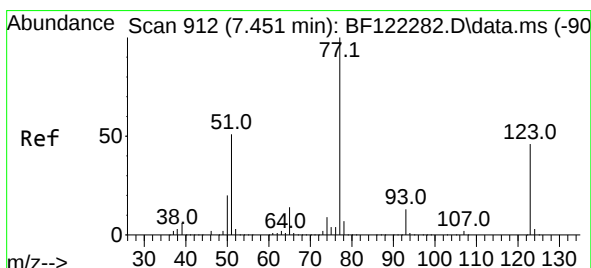
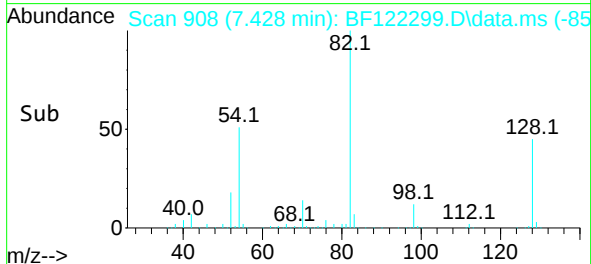
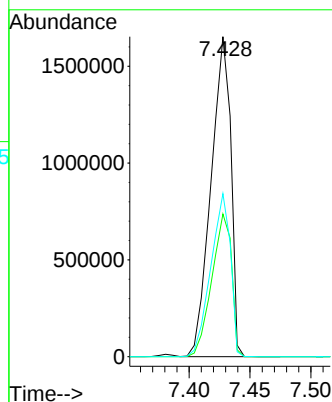
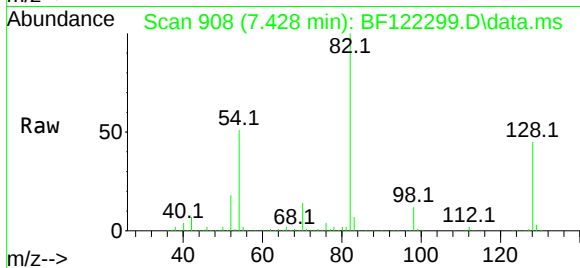
Delta R.T. -0.006 min

Lab File: BF122299.D

Acq: 10 Nov 2020 15:26

Tgt Ion: 82 Resp: 1866176

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.0	52.4
54	50.9	43.9	65.9



#24

Nitrobenzene

Concen: 4.50 ng

RT: 7.445 min Scan# 911

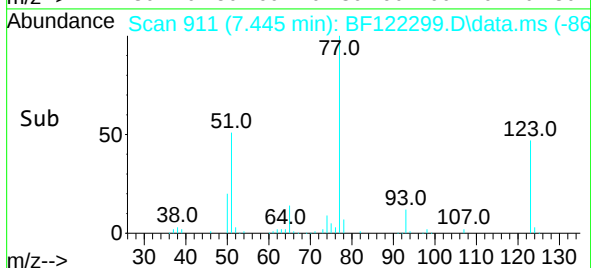
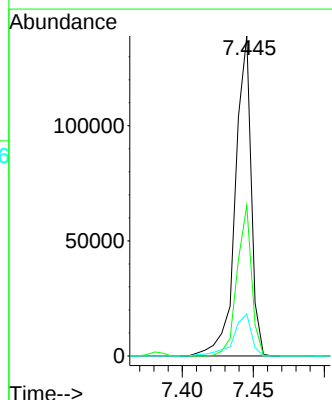
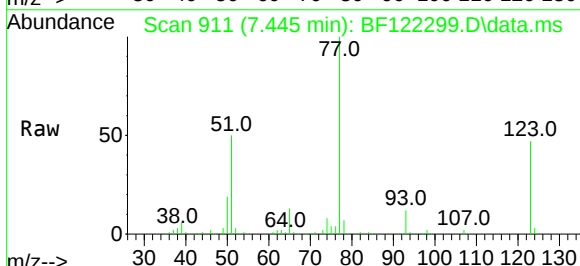
Delta R.T. -0.006 min

Lab File: BF122299.D

Acq: 10 Nov 2020 15:26

Tgt Ion: 77 Resp: 108132

Ion	Ratio	Lower	Upper
77	100		
123	47.0	35.6	53.4
65	13.2	11.2	16.8



Instrument :

BNA_F

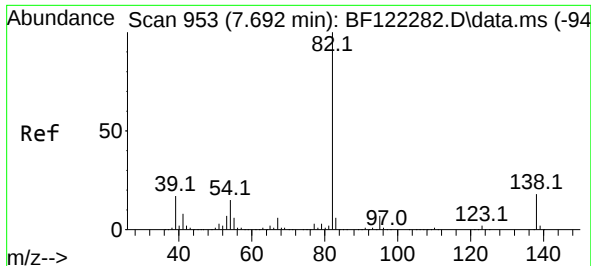
ClientSampleId :

LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

mohammad

11/11/2020 10:32:15 AM



#25
Isophorone
Concen: 3.85 ng
RT: 7.681 min Scan# 951
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

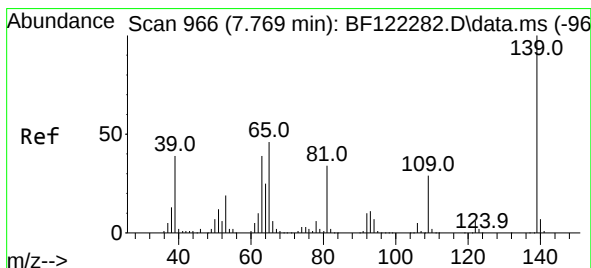
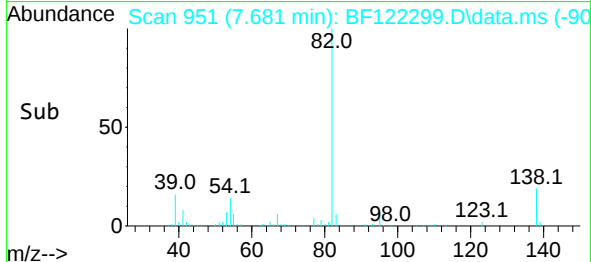
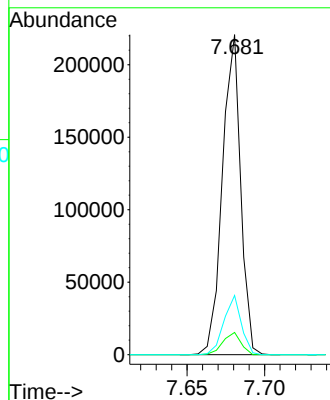
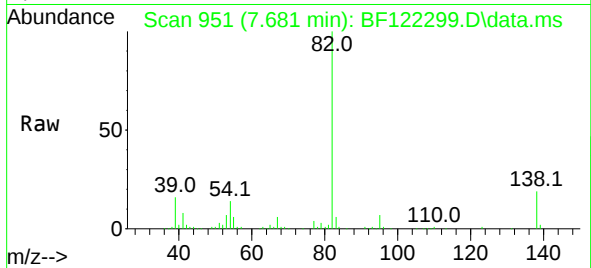
Tgt Ion: 82 Resp: 180447
Ion Ratio Lower Upper
82 100
95 6.9 5.4 8.0
138 18.5 13.4 20.0

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

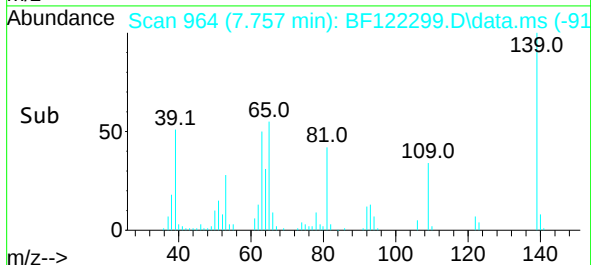
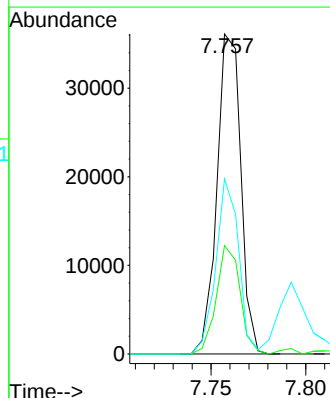
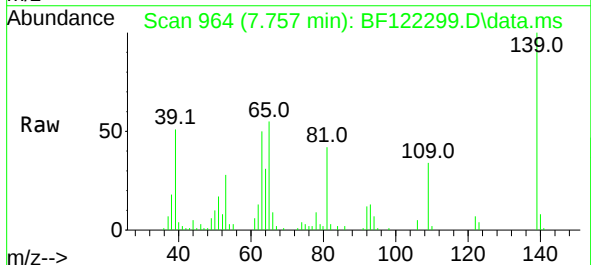
mohammad

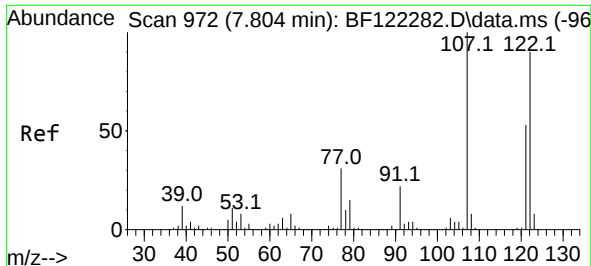
11/11/2020 10:32:15 AM



#26
2-Nitrophenol
Concen: 3.91 ng
RT: 7.757 min Scan# 964
Delta R.T. -0.012 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:139 Resp: 31693
Ion Ratio Lower Upper
139 100
109 33.8 23.0 34.4
65 54.7 39.9 59.9





#27

2,4-Dimethylphenol

Concen: 3.87 ng

RT: 7.792 min Scan# 970

Delta R.T. -0.012 min

Lab File: BF122299.D

Acq: 10 Nov 2020 15:26

Tgt Ion:122	Resp:	85492
Ion Ratio	Lower	Upper
122	100	
107	113.5	90.8 136.2
121	57.7	47.5 71.3

Instrument :

BNA_F

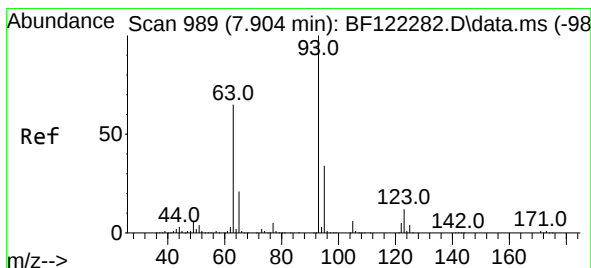
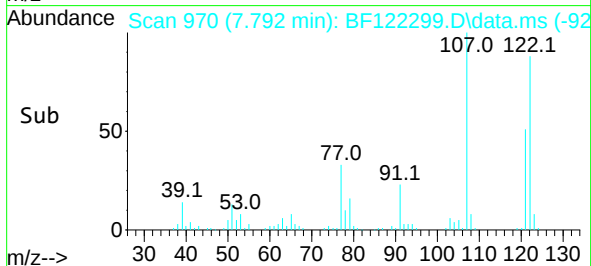
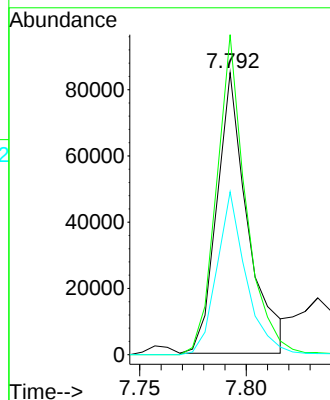
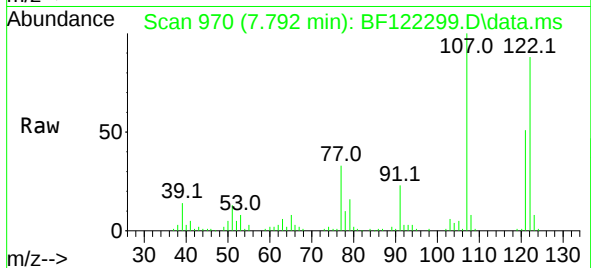
ClientSampleId :

LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

mohammad

11/11/2020 10:32:15 AM



#28

bis(2-Chloroethoxy)methane

Concen: 3.95 ng

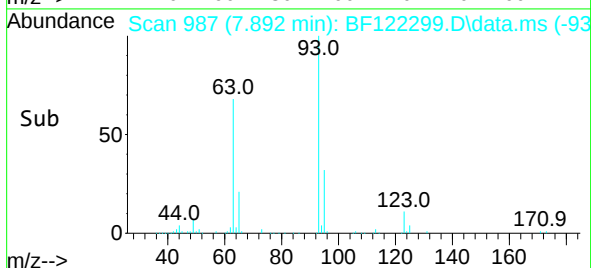
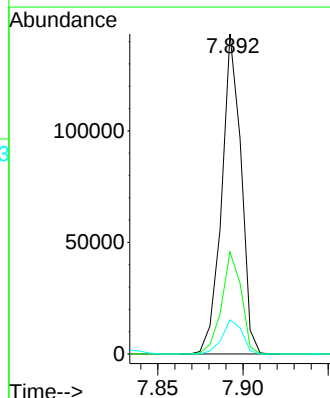
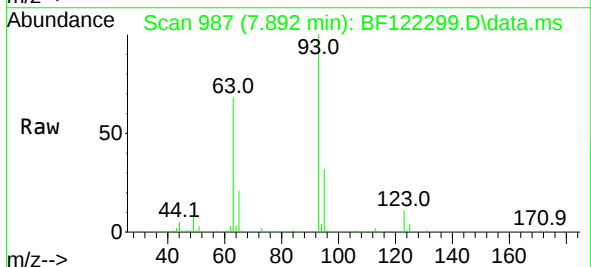
RT: 7.892 min Scan# 987

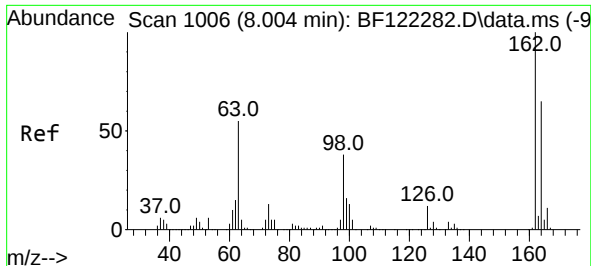
Delta R.T. -0.011 min

Lab File: BF122299.D

Acq: 10 Nov 2020 15:26

Tgt Ion: 93	Resp:	113147
Ion Ratio	Lower	Upper
93	100	
95	31.9	26.2 39.4
123	10.6	8.8 13.2





#29
2,4-Dichlorophenol
Concen: 3.77 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

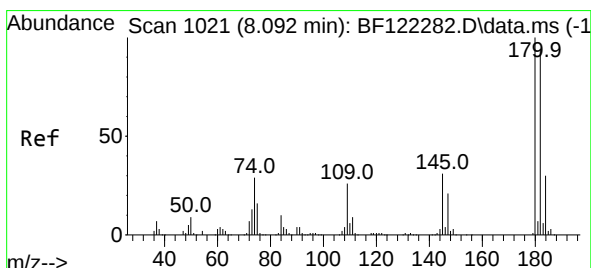
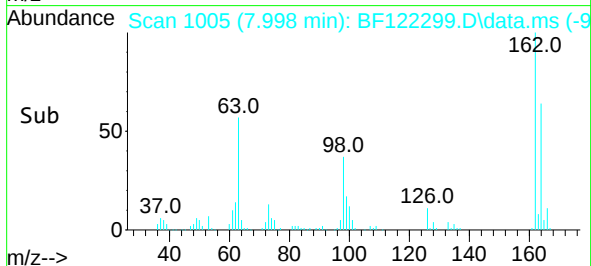
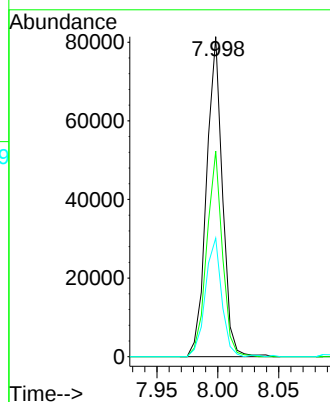
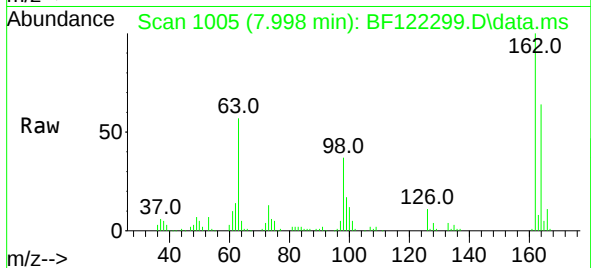
Tgt Ion:162 Resp: 73643
Ion Ratio Lower Upper
162 100
164 64.2 42.5 82.5
98 37.0 20.1 60.1

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

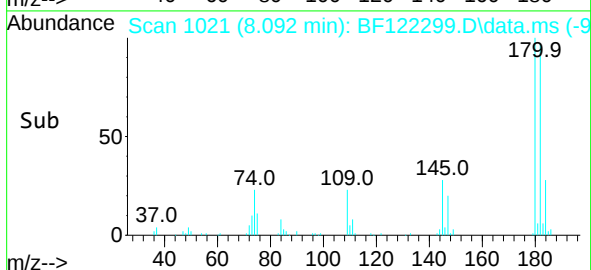
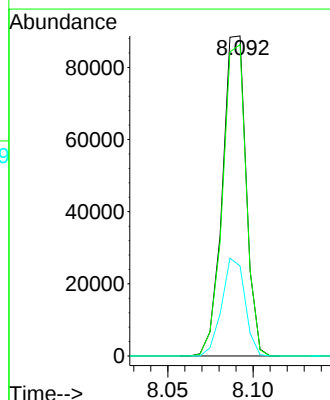
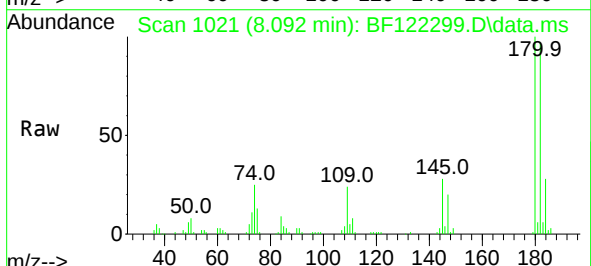
mohammad

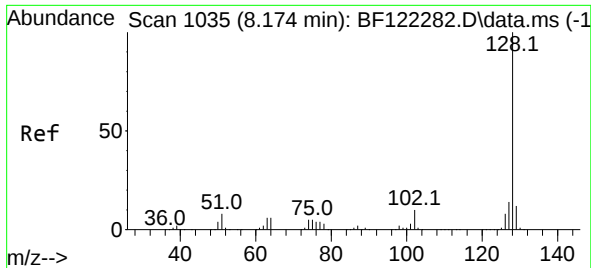
11/11/2020 10:32:15 AM



#30
1,2,4-Trichlorobenzene
Concen: 3.97 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:180 Resp: 85757
Ion Ratio Lower Upper
180 100
182 97.3 79.4 119.2
145 28.1 25.5 38.3





#31
Naphthalene
Concen: 4.15 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

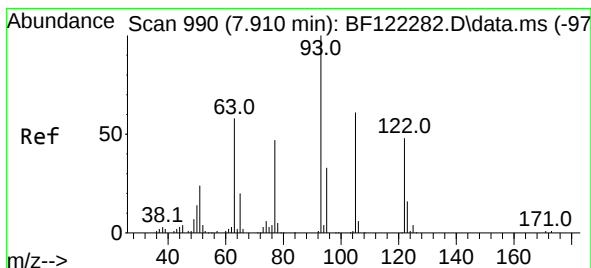
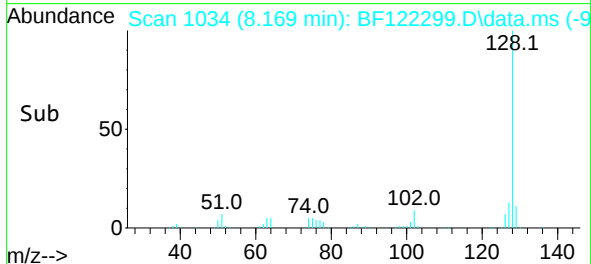
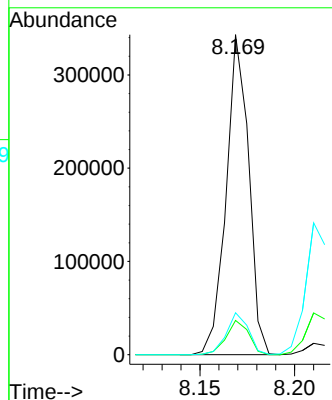
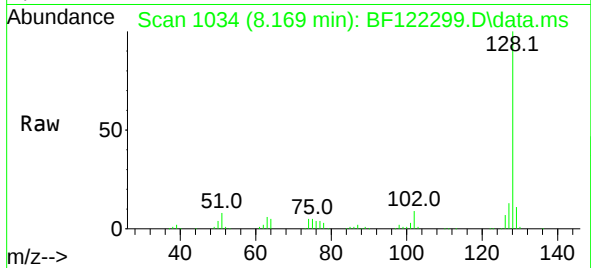
Tgt Ion:128 Resp: 283453
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 13.1 10.8 16.2

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

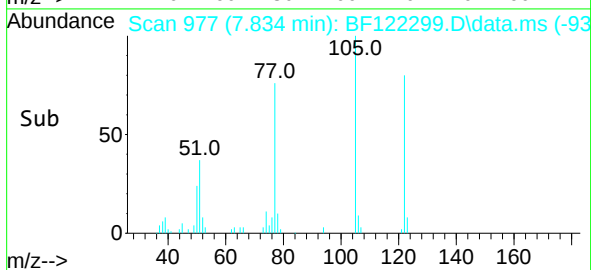
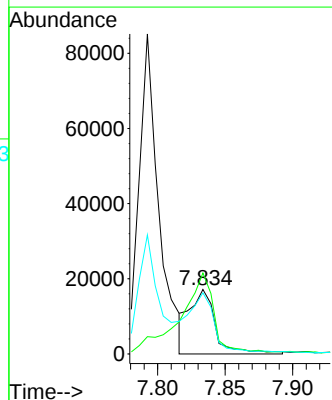
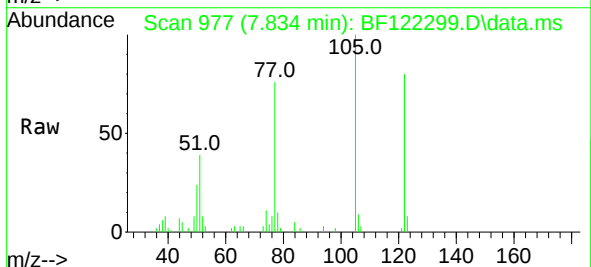
mohammad

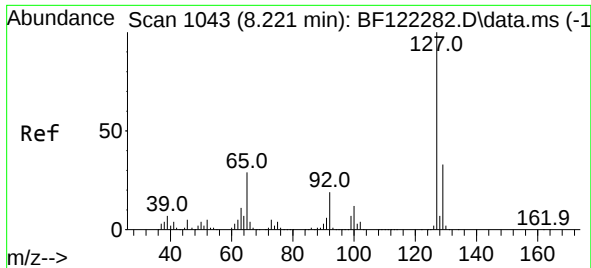
11/11/2020 10:32:15 AM



#32
Benzoic acid
Concen: 2.32 ng m
RT: 7.834 min Scan# 977
Delta R.T. -0.076 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:122 Resp: 23074
Ion Ratio Lower Upper
122 100
105 125.7 103.3 143.3
77 94.9 73.9 113.9





#33
4-Chloroaniline
Concen: 3.96 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

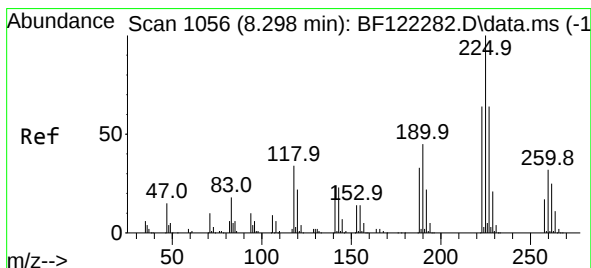
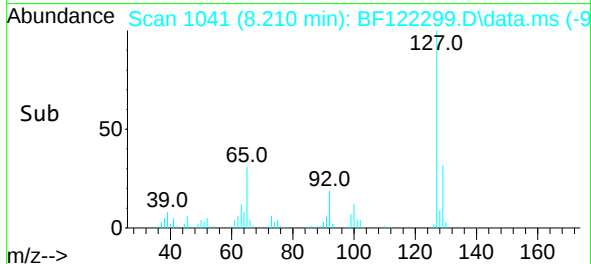
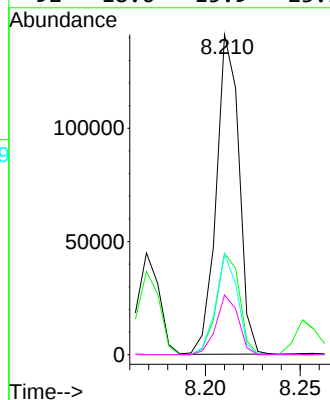
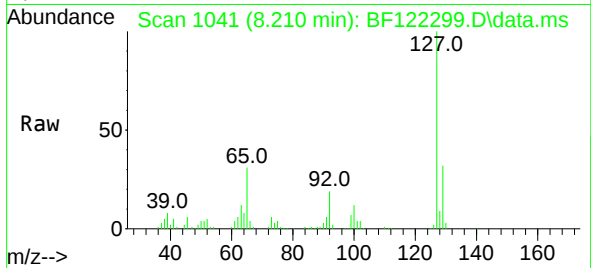
Tgt Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.3	39.5
65	31.5	26.2	39.2
92	18.6	15.9	23.9

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

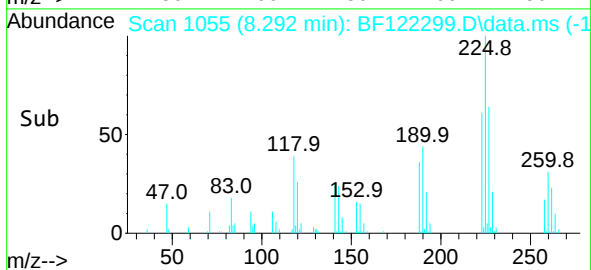
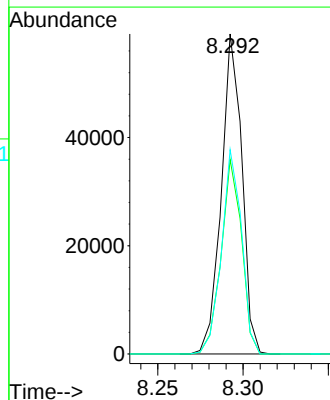
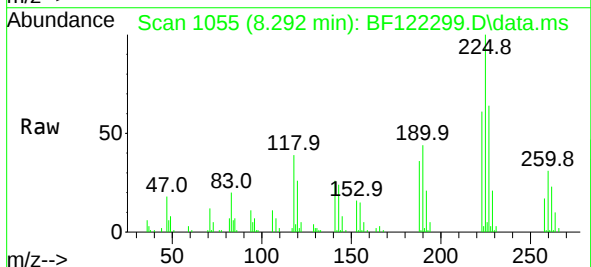
mohammad

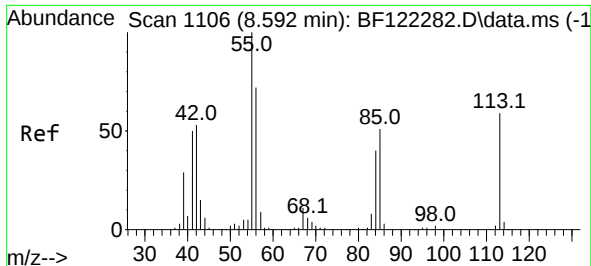
11/11/2020 10:32:15 AM



#34
Hexachlorobutadiene
Concen: 4.00 ng
RT: 8.292 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	51.1	76.7
227	63.8	51.0	76.6





#35
 Caprolactam
 Concen: 3.72 ng
 RT: 8.534 min Scan# 1096
 Delta R.T. -0.059 min
 Lab File: BF122299.D
 Acq: 10 Nov 2020 15:26

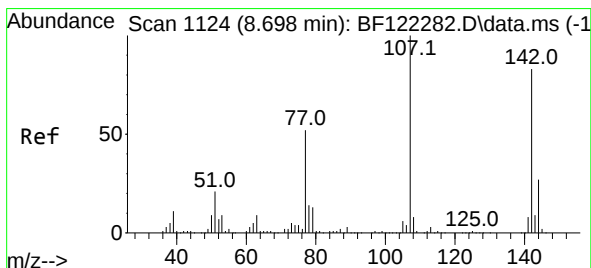
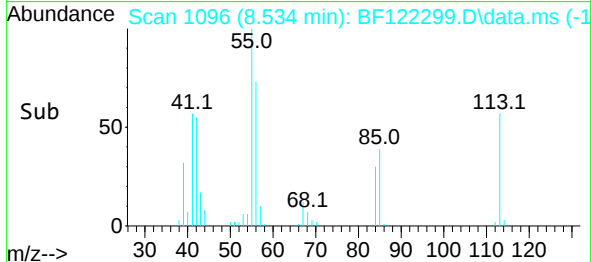
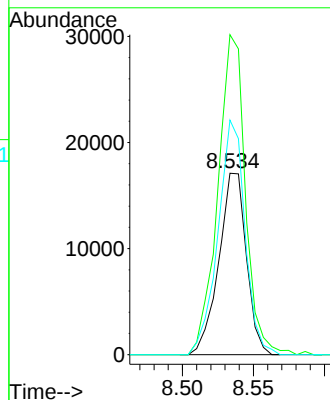
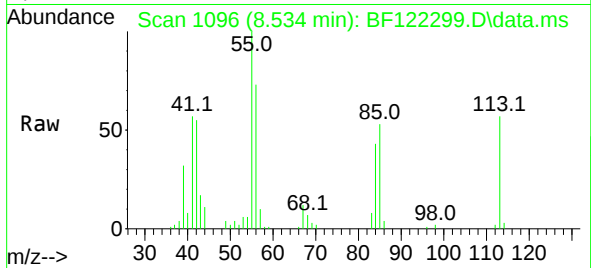
Tgt Ion:	113	Resp:	23050
Ion Ratio	Lower	Upper	
113	100		
55	176.4	167.5	207.5
56	129.3	121.2	161.2

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-WATER-02-QT4-2020

Manual Integrations
 APPROVED

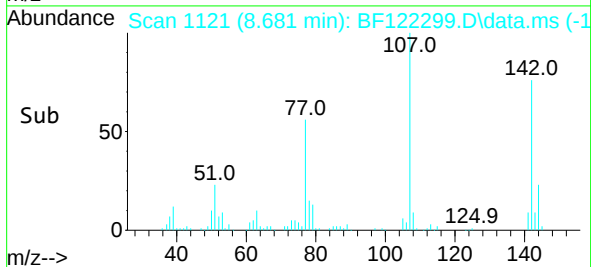
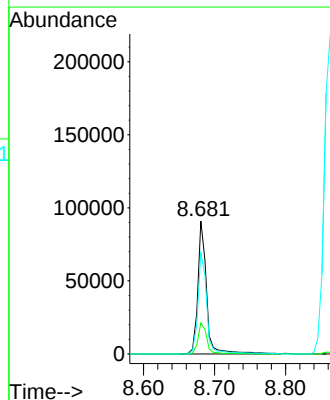
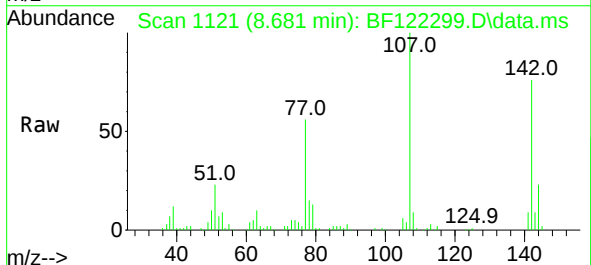
mohammad

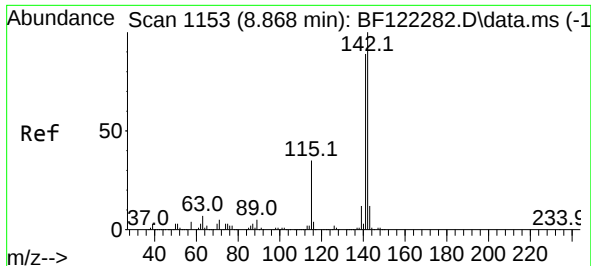
11/11/2020 10:32:15 AM



#36
 4-Chloro-3-methylphenol
 Concen: 3.83 ng
 RT: 8.681 min Scan# 1121
 Delta R.T. -0.017 min
 Lab File: BF122299.D
 Acq: 10 Nov 2020 15:26

Tgt Ion:	107	Resp:	78001
Ion Ratio	Lower	Upper	
107	100		
144	23.3	20.1	30.1
142	76.2	59.3	88.9





#37
2-Methylnaphthalene
Concen: 4.16 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.005 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

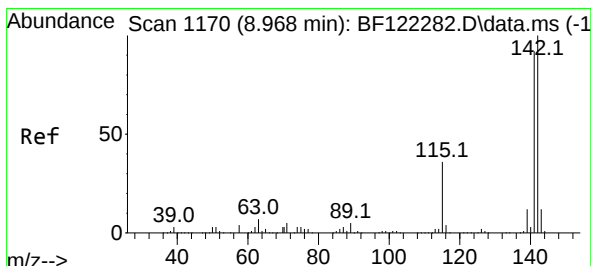
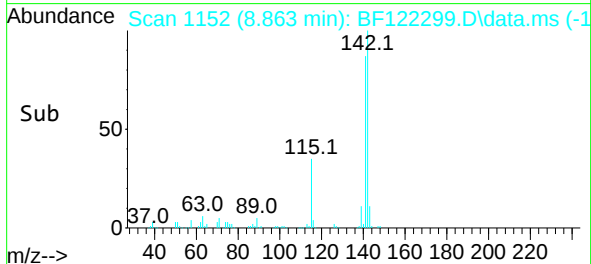
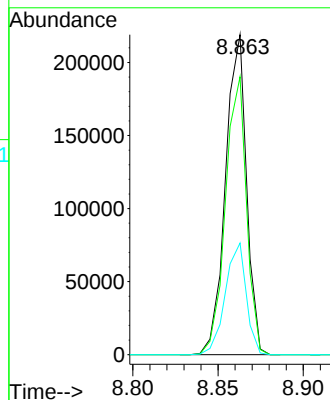
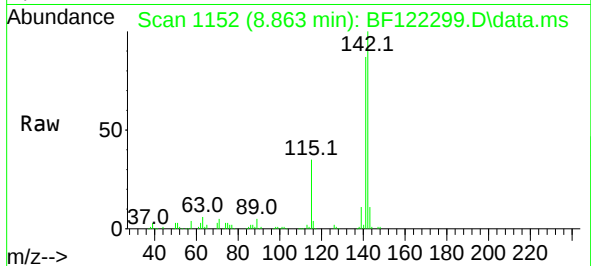
Tgt Ion:142 Resp: 188030
Ion Ratio Lower Upper
142 100
141 86.8 70.2 105.4
115 34.9 28.6 43.0

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

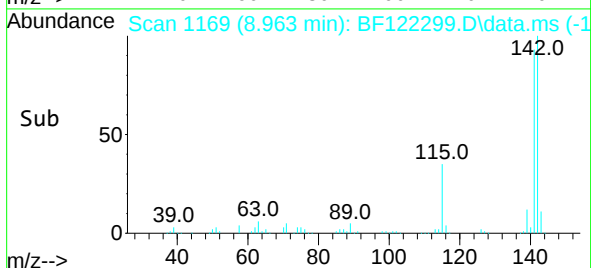
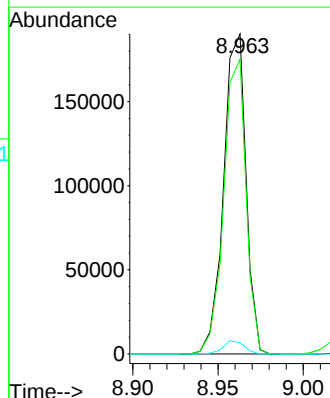
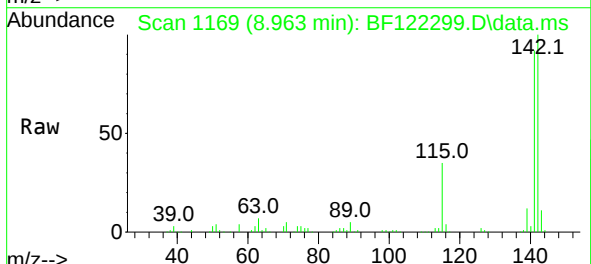
mohammad

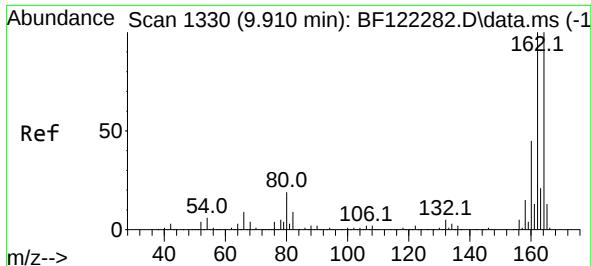
11/11/2020 10:32:15 AM



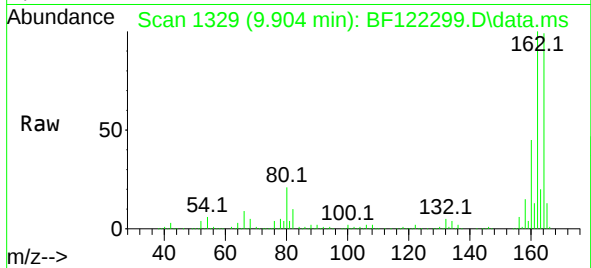
#38
1-Methylnaphthalene
Concen: 4.11 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:142 Resp: 173707
Ion Ratio Lower Upper
142 100
141 92.1 74.5 111.7
116 3.6 3.2 4.8

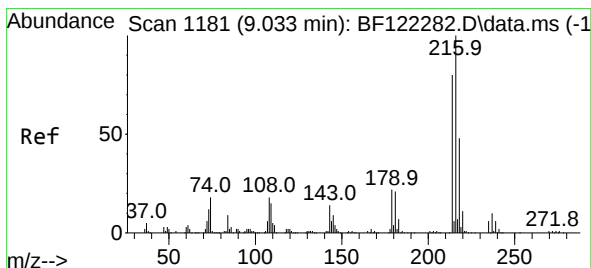
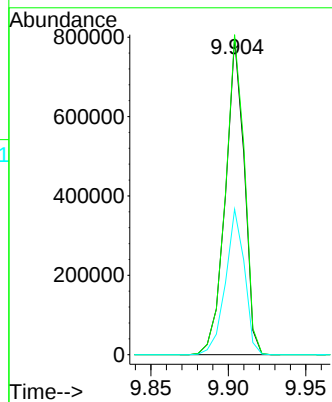
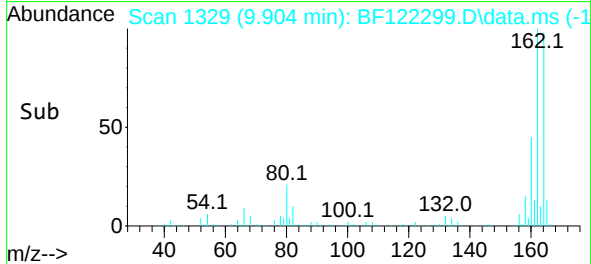




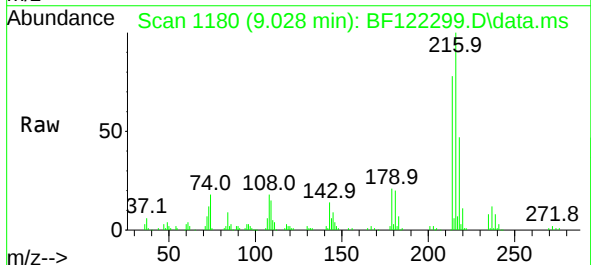
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



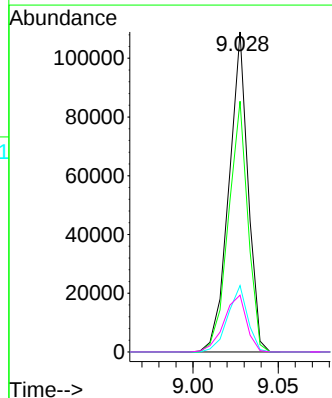
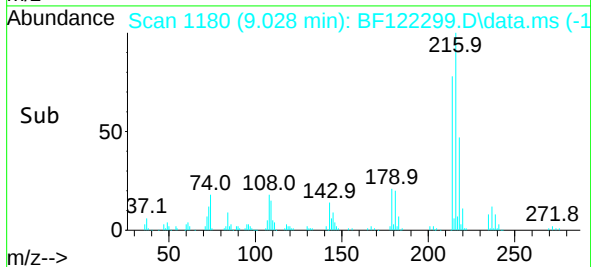
Tgt Ion:164 Resp: 675321
Ion Ratio Lower Upper
164 100
162 101.2 83.2 124.8
160 46.0 37.5 56.3



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.08 ng
RT: 9.028 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion:216 Resp: 84842
Ion Ratio Lower Upper
216 100
214 79.3 63.4 95.2
179 21.5 17.0 25.6
108 21.1 15.5 23.3

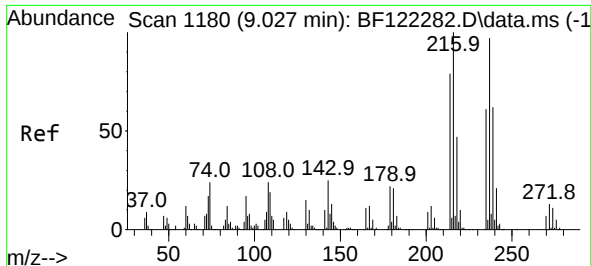


Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

mohammad

11/11/2020 10:32:15 AM



#41
Hexachlorocyclopentadiene
Concen: 3.59 ng
RT: 9.022 min Scan# 1179
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

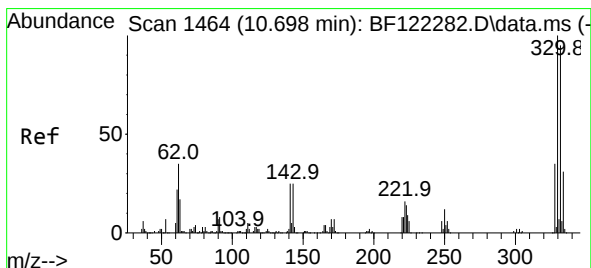
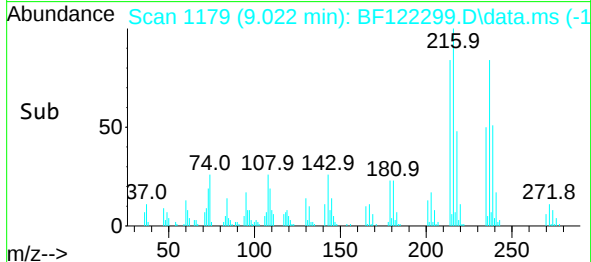
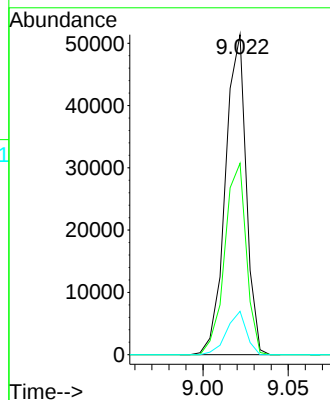
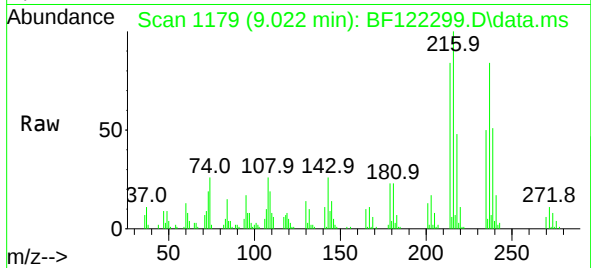
Tgt Ion:	237	Resp:	43724
Ion Ratio	Lower	Upper	
237	100		
235	59.8	41.8	81.8
272	13.5	0.0	33.5

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

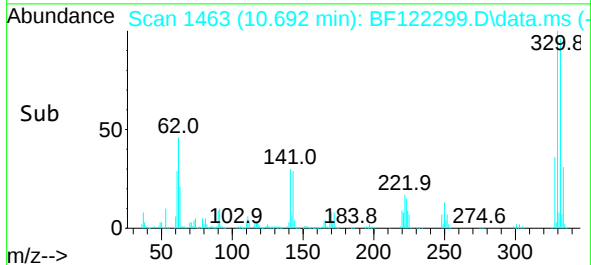
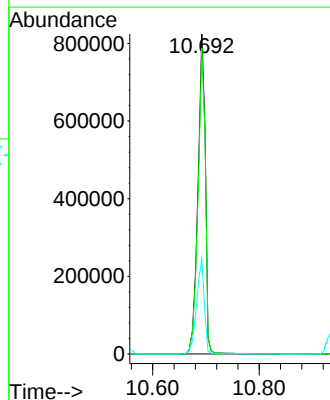
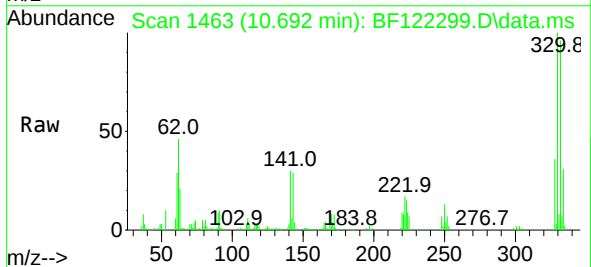
mohammad

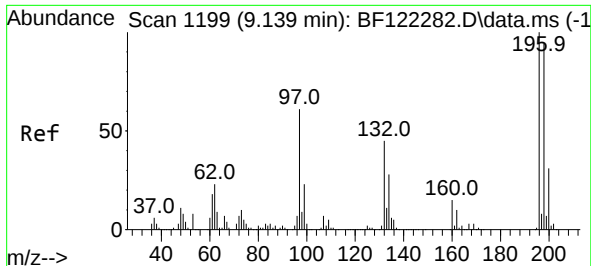
11/11/2020 10:32:15 AM



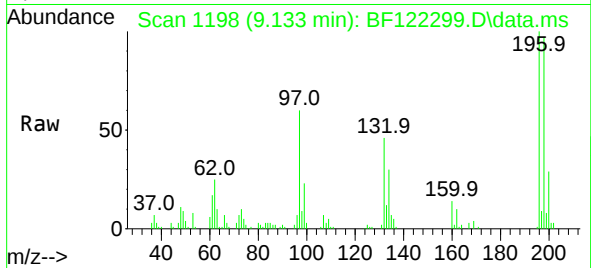
#42
2,4,6-Tribromophenol
Concen: 110.33 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:	330	Resp:	799653
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.3	115.9
141	30.9	22.3	33.5

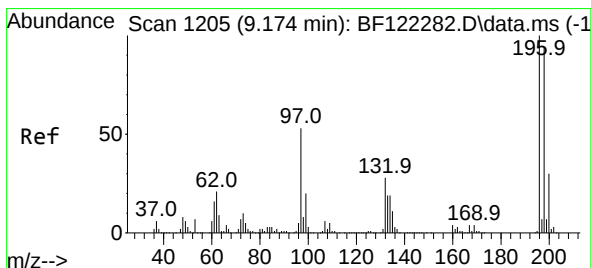
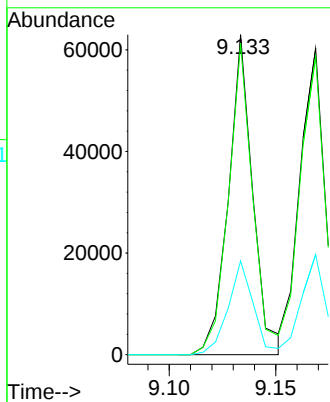
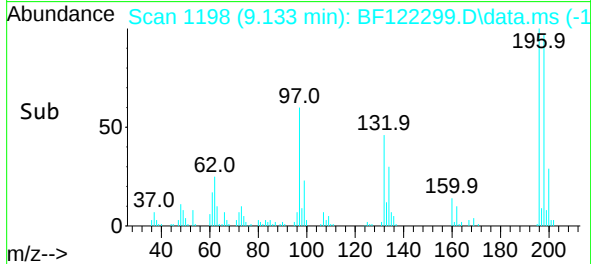




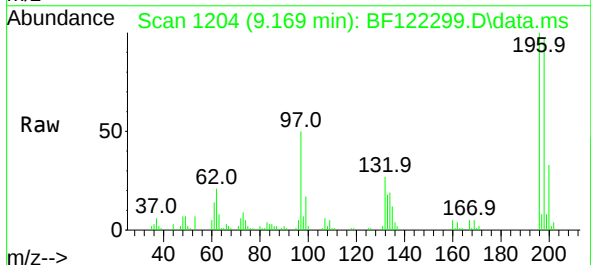
#43
2,4,6-Trichlorophenol
Concen: 3.72 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



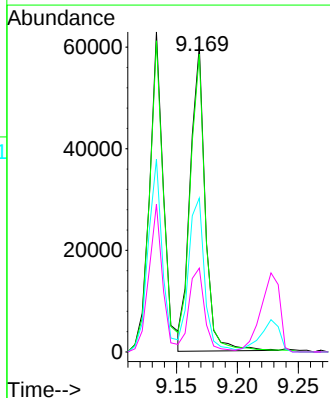
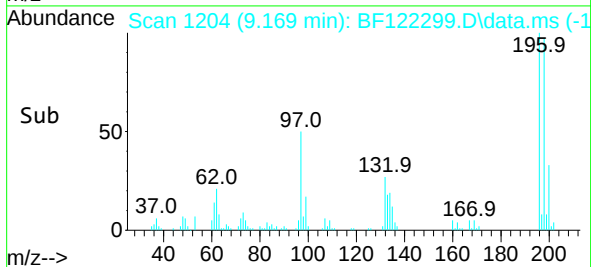
Tgt Ion:196 Resp: 50234
Ion Ratio Lower Upper
196 100
198 97.2 75.8 113.6
200 29.3 24.6 36.8



#44
2,4,5-Trichlorophenol
Concen: 3.65 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion:196 Resp: 51650
Ion Ratio Lower Upper
196 100
198 97.3 76.1 114.1
97 50.3 41.0 61.6
132 27.4 22.4 33.6

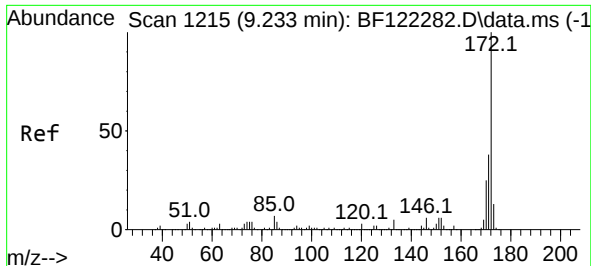


Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

mohammad

11/11/2020 10:32:15 AM



#45
2-Fluorobiphenyl
Concen: 72.41 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

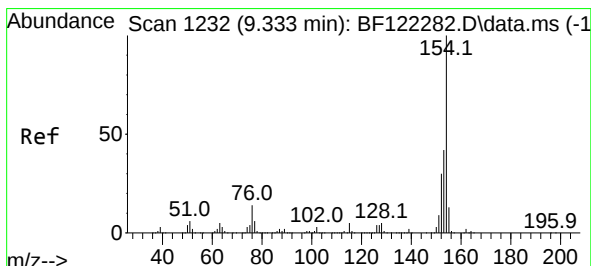
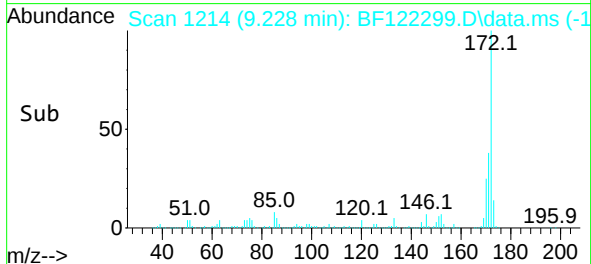
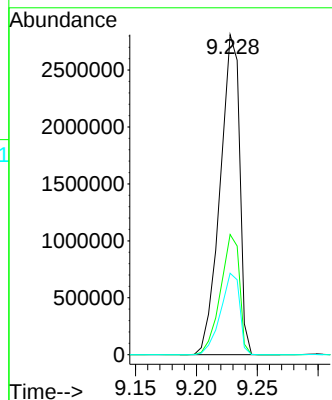
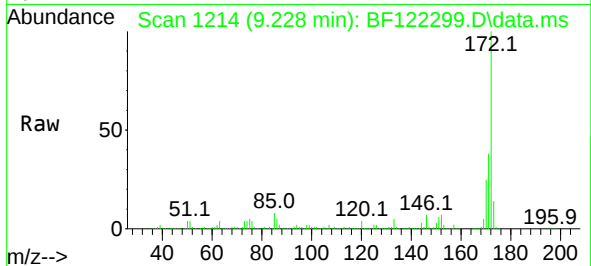
Tgt Ion:172 Resp: 3129801
Ion Ratio Lower Upper
172 100
171 37.6 29.1 43.7
170 25.5 19.8 29.6

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

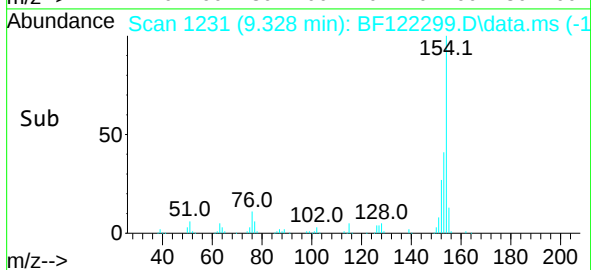
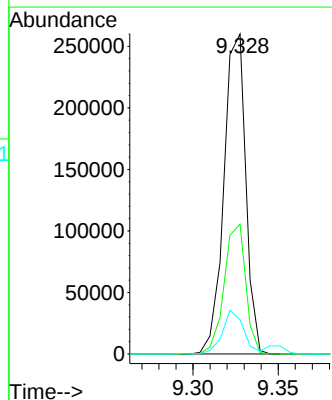
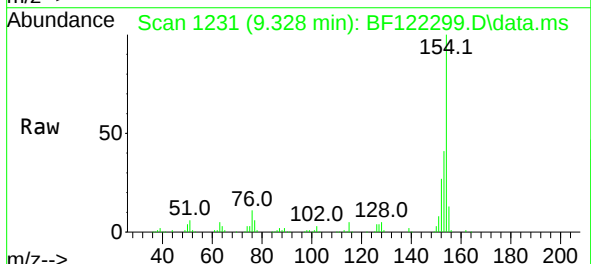
mohammad

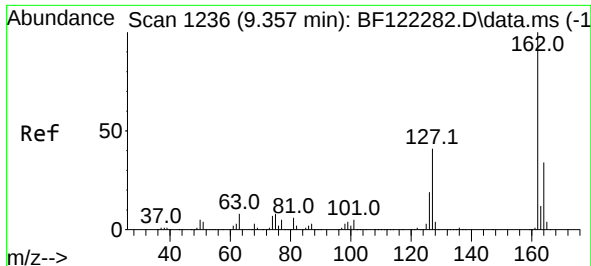
11/11/2020 10:32:15 AM



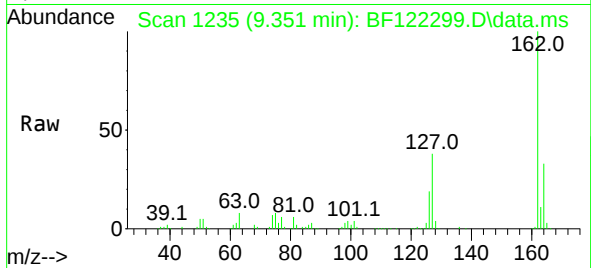
#46
1,1'-Biphenyl
Concen: 4.31 ng
RT: 9.328 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:154 Resp: 231649
Ion Ratio Lower Upper
154 100
153 40.6 21.3 61.3
76 10.8 0.0 34.7

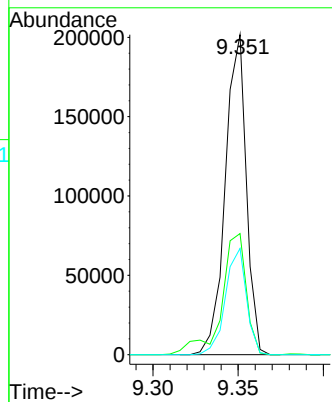
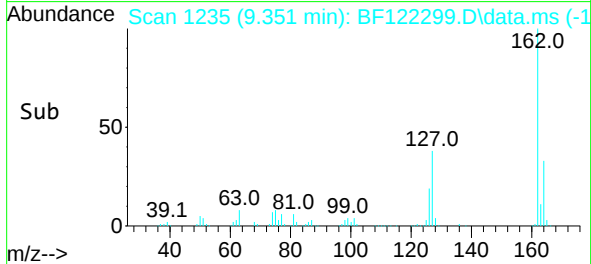




#47
2-Chloronaphthalene
Concen: 4.06 ng
RT: 9.351 min Scan# 1235
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion: 162 Resp: 173155
Ion Ratio Lower Upper
162 100
127 37.8 34.4 51.6
164 33.2 26.3 39.5

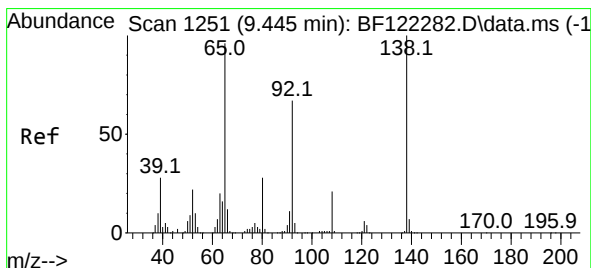


Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

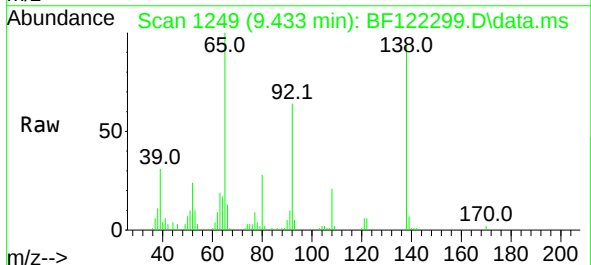
Manual Integrations
APPROVED

mohammad

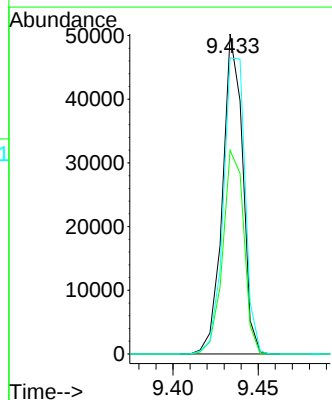
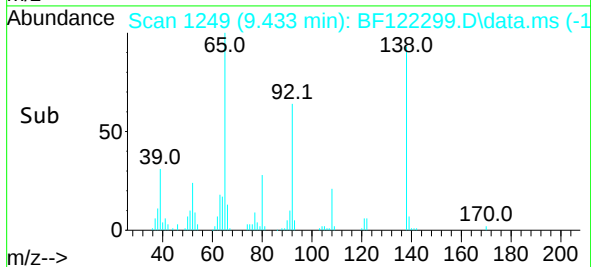
11/11/2020 10:32:15 AM

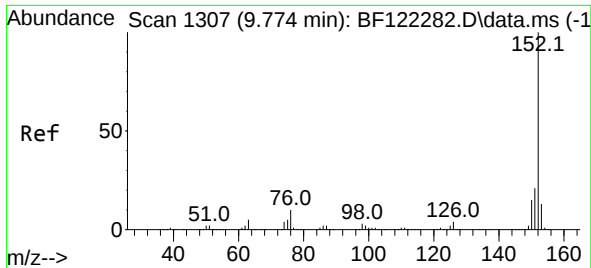


#48
2-Nitroaniline
Concen: 3.93 ng
RT: 9.433 min Scan# 1249
Delta R.T. -0.012 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion: 65 Resp: 41134
Ion Ratio Lower Upper
65 100
92 63.6 55.1 82.7
138 92.5 80.5 120.7





#49
Acenaphthylene
Concen: 4.09 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

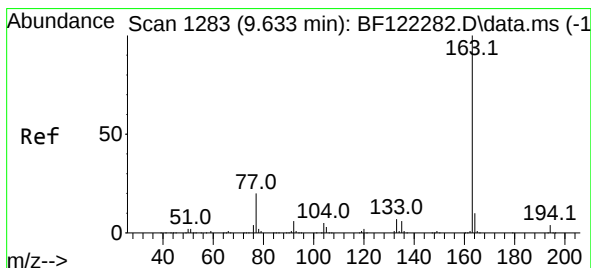
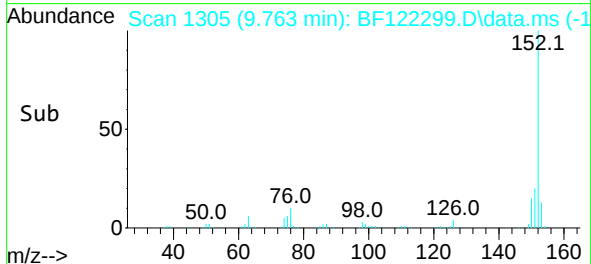
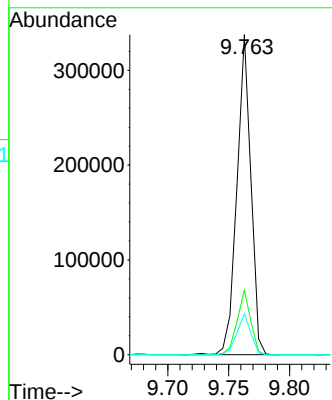
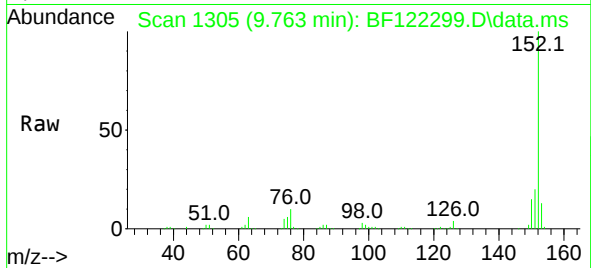
Tgt Ion:152 Resp: 268272
Ion Ratio Lower Upper
152 100
151 20.1 16.4 24.6
153 12.8 10.6 15.8

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

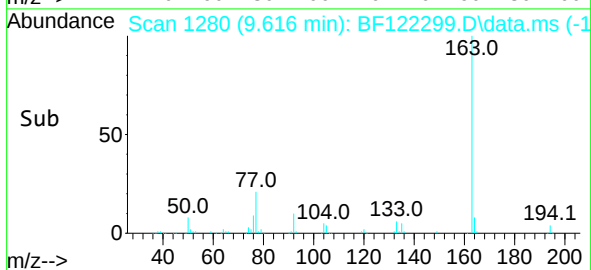
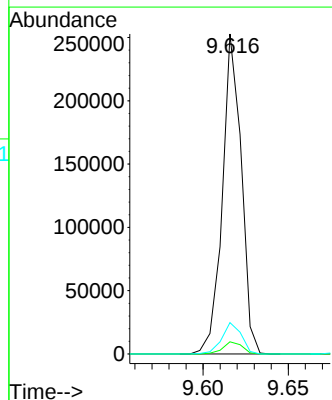
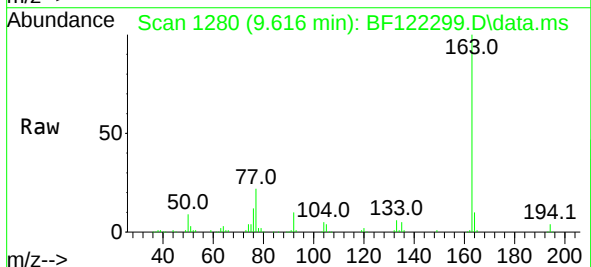
mohammad

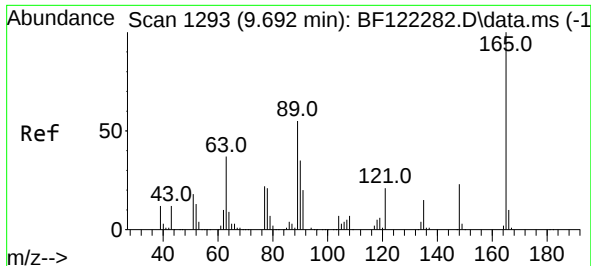
11/11/2020 10:32:15 AM



#50
Dimethylphthalate
Concen: 4.06 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.017 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:163 Resp: 194955
Ion Ratio Lower Upper
163 100
194 3.8 3.3 4.9
164 9.8 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 4.00 ng
RT: 9.675 min Scan# 1290
Delta R.T. -0.017 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

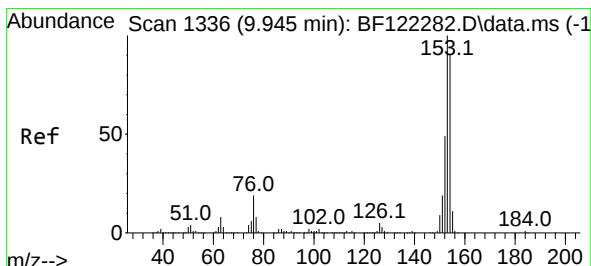
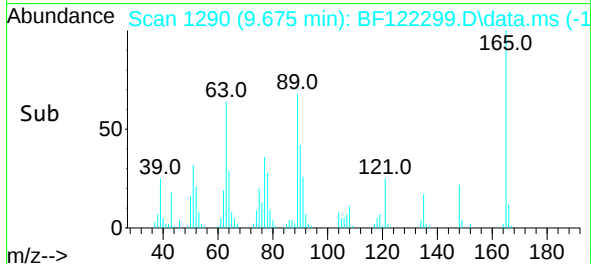
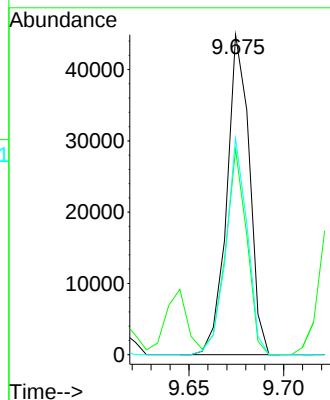
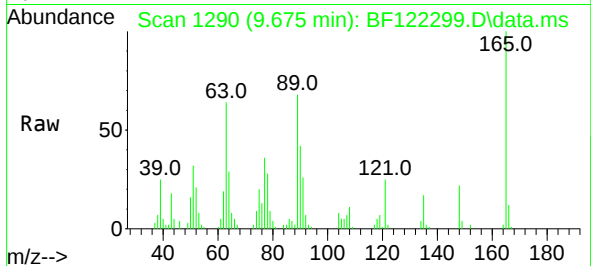
Tgt Ion:	165	Resp:	37149
Ion Ratio	Lower	Upper	
165	100		
63	64.2	51.8	77.6
89	67.6	49.0	73.6

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

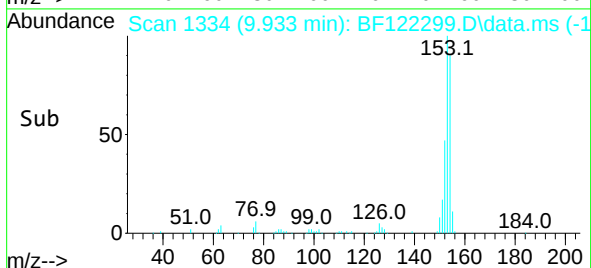
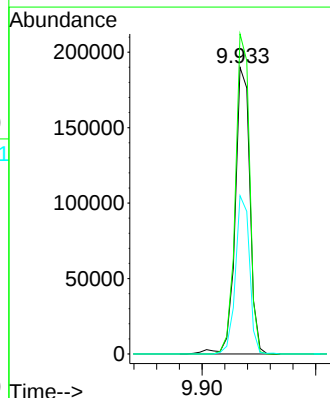
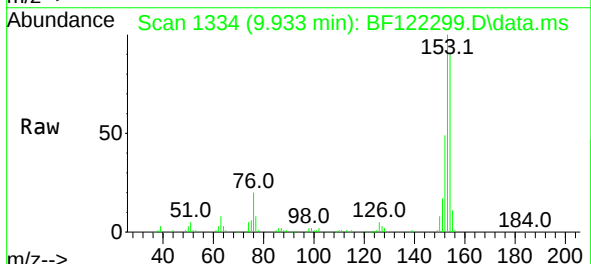
mohammad

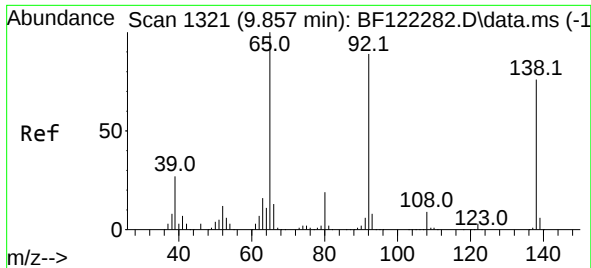
11/11/2020 10:32:15 AM



#52
Acenaphthene
Concen: 4.19 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:	154	Resp:	169862
Ion Ratio	Lower	Upper	
154	100		
153	111.7	89.8	134.8
152	55.2	43.2	64.8





#53
3-Nitroaniline
Concen: 3.98 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.018 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

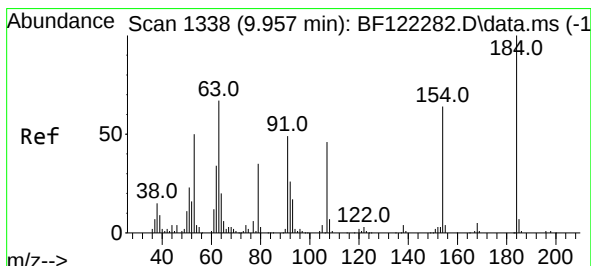
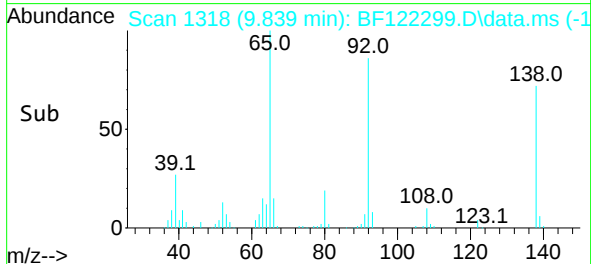
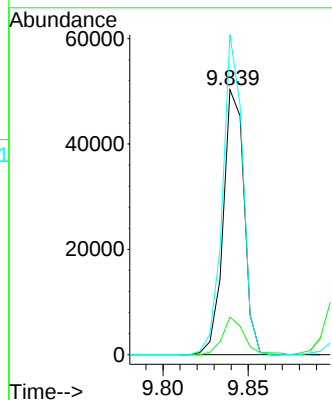
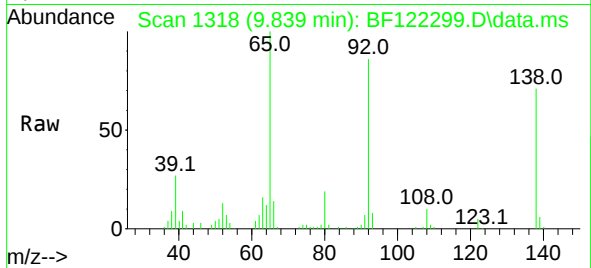
Tgt Ion:138 Resp: 42668
Ion Ratio Lower Upper
138 100
108 14.2 8.6 13.0#
92 120.8 96.6 144.8

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

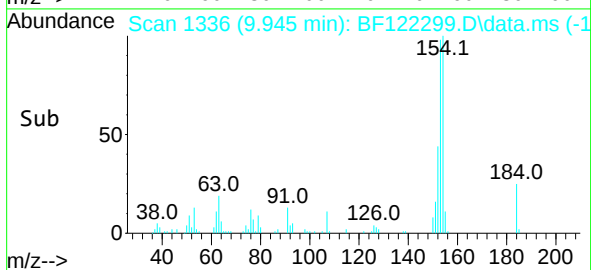
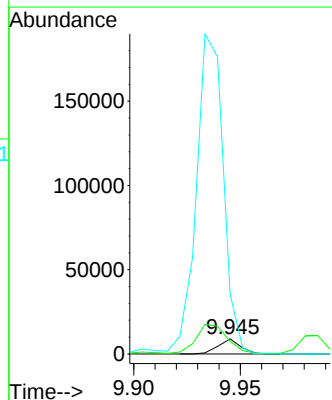
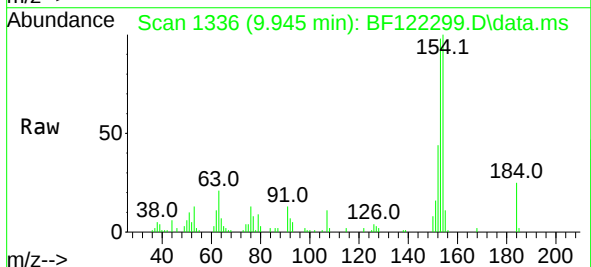
mohammad

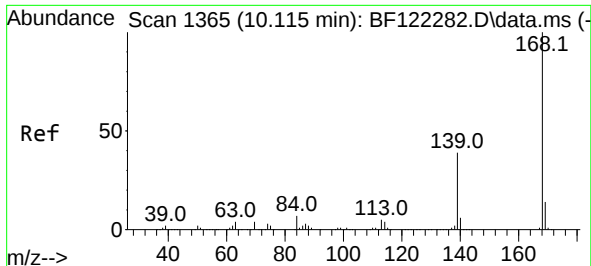
11/11/2020 10:32:15 AM



#54
2,4-Dinitrophenol
Concen: 2.27 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:184 Resp: 6449
Ion Ratio Lower Upper
184 100
63 83.7 45.9 68.9#
154 395.5 45.8 68.6#





#55
Dibenzofuran
Concen: 4.16 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

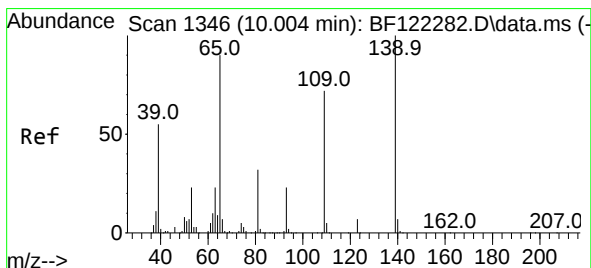
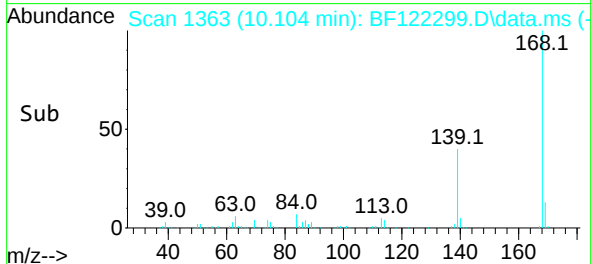
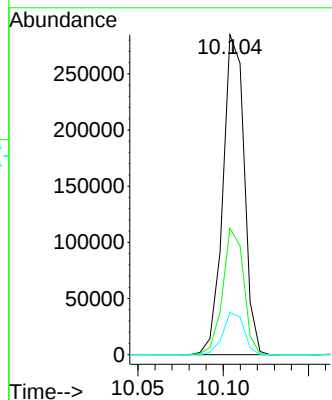
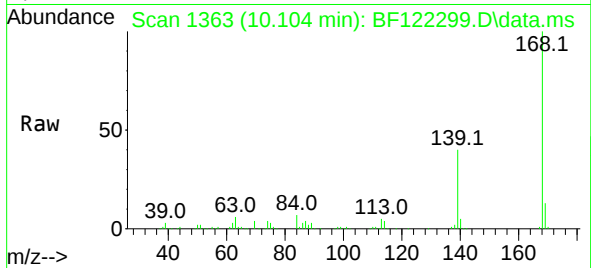
Tgt Ion:168 Resp: 247488
Ion Ratio Lower Upper
168 100
139 39.5 31.0 46.6
169 13.1 11.3 16.9

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

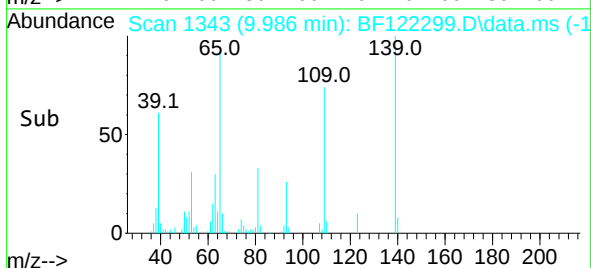
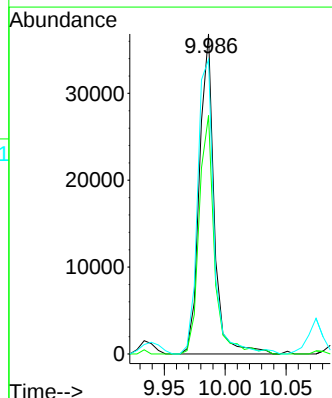
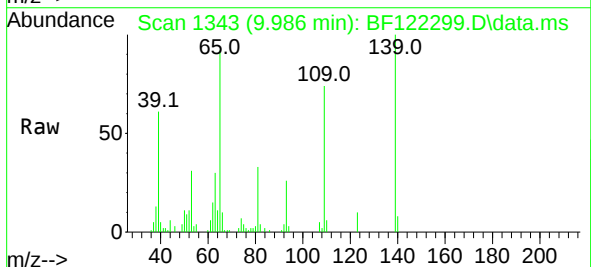
mohammad

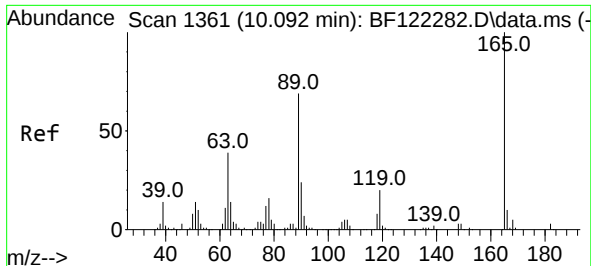
11/11/2020 10:32:15 AM



#56
4-Nitrophenol
Concen: 3.39 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.018 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:139 Resp: 31028
Ion Ratio Lower Upper
139 100
109 74.5 45.4 85.4
65 92.0 68.4 108.4





#57
2,4-Dinitrotoluene
Concen: 3.79 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.017 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

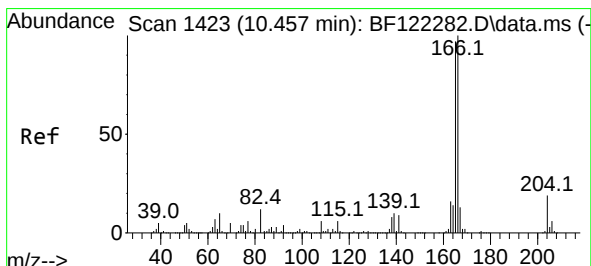
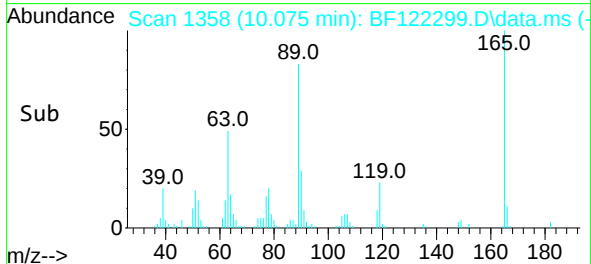
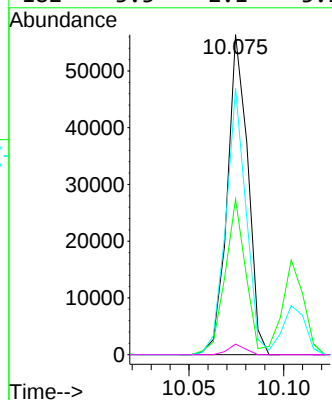
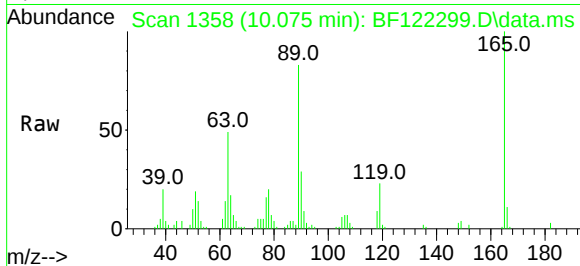
Tgt Ion:165 Resp: 42553
Ion Ratio Lower Upper
165 100
63 48.6 41.3 61.9
89 83.2 61.8 92.8
182 3.3 2.1 3.1#

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

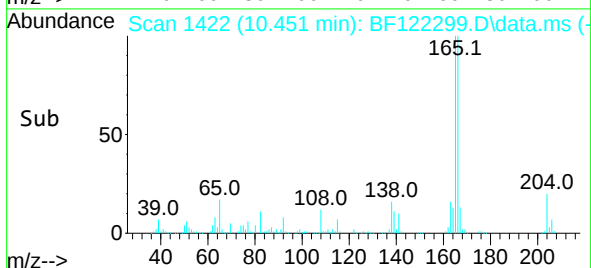
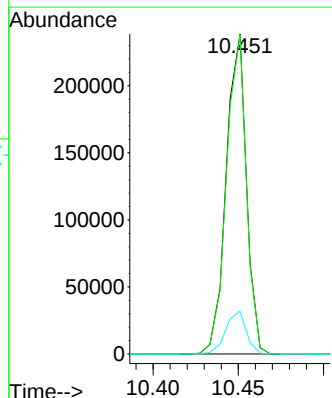
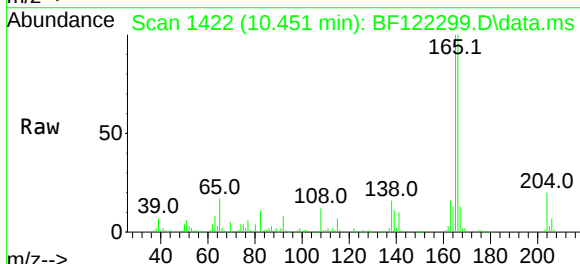
mohammad

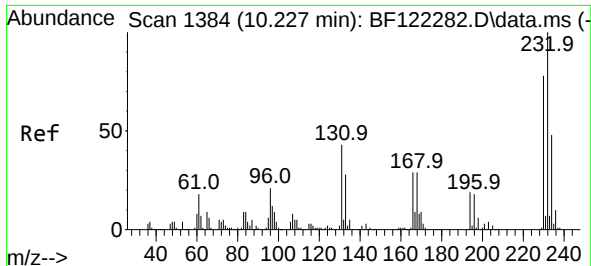
11/11/2020 10:32:15 AM



#58
Fluorene
Concen: 4.32 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:166 Resp: 196648
Ion Ratio Lower Upper
166 100
165 99.8 79.1 118.7
167 13.4 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.87 ng
RT: 10.222 min Scan# 1383
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

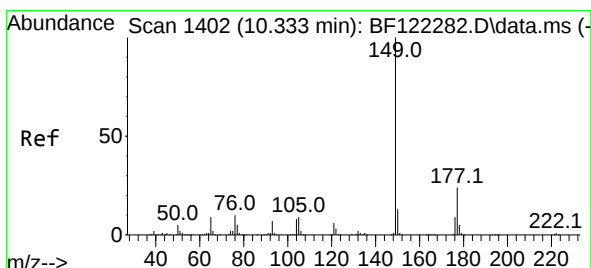
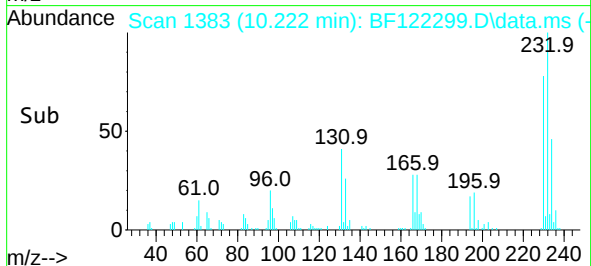
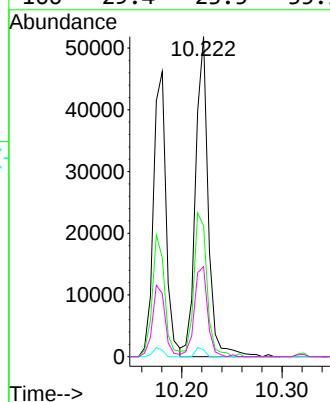
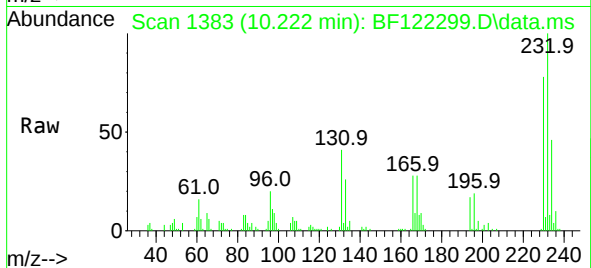
Tgt Ion:232	Resp:	45602
Ion Ratio	Lower	Upper
232	100	
131	46.8	35.9 53.9
130	2.0	1.8 2.6
166	29.4	23.5 35.3

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

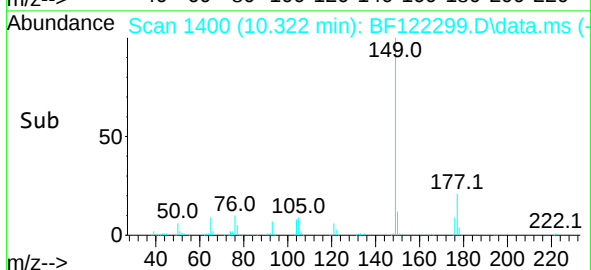
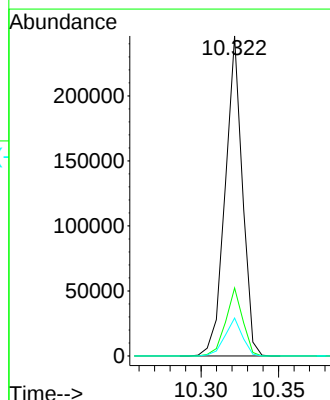
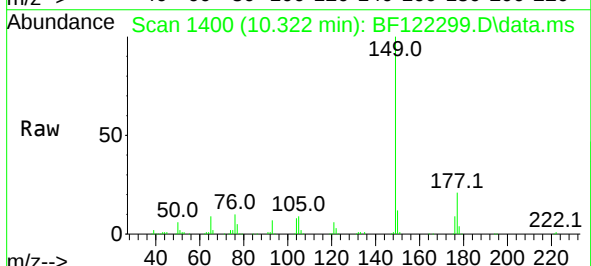
mohammad

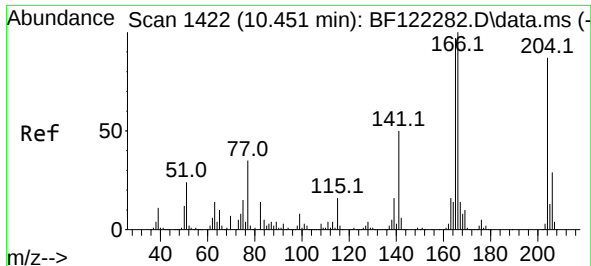
11/11/2020 10:32:15 AM



#60
Diethylphthalate
Concen: 4.02 ng
RT: 10.322 min Scan# 1400
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:149	Resp:	189502
Ion Ratio	Lower	Upper
149	100	
177	21.2	18.1 27.1
150	11.9	10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 4.25 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

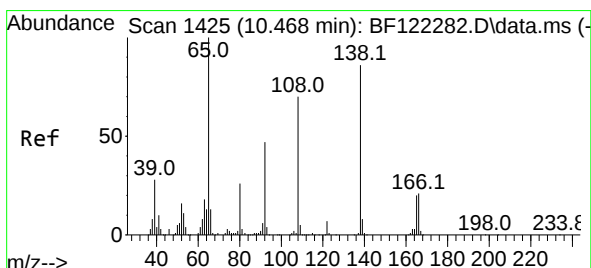
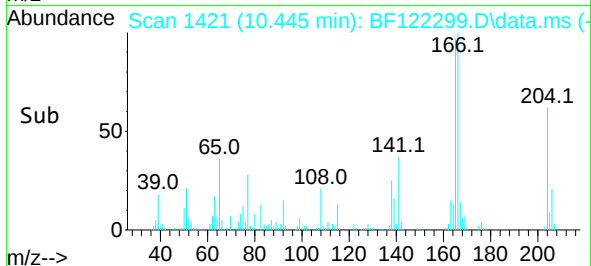
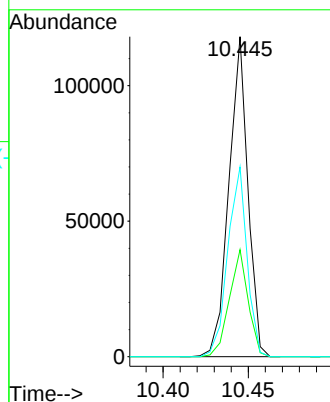
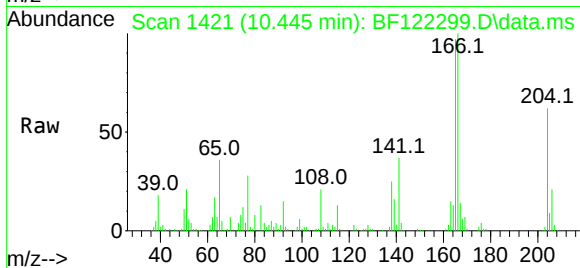
Tgt Ion:	204	Resp:	91406
Ion Ratio	Lower	Upper	
204	100		
206	33.5	26.0	39.0
141	59.3	46.2	69.4

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

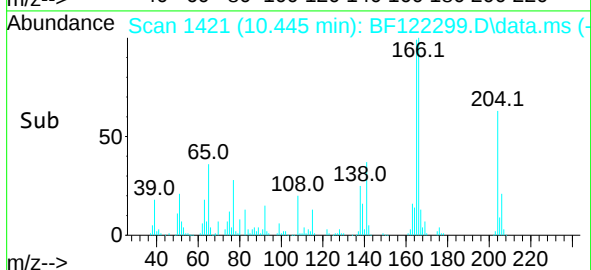
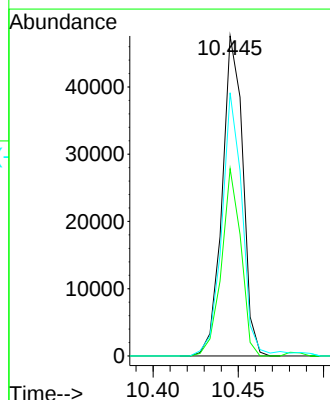
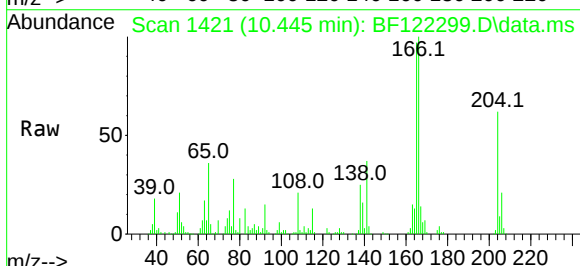
mohammad

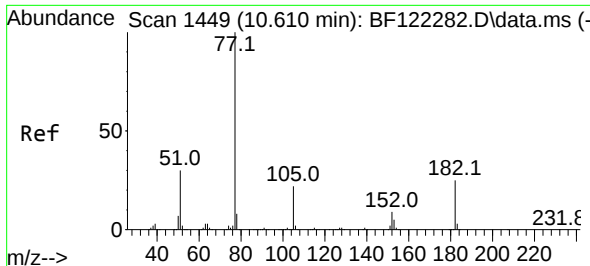
11/11/2020 10:32:15 AM



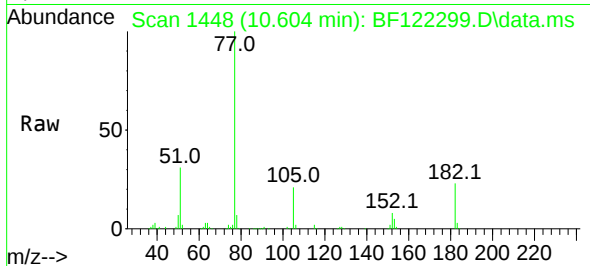
#62
4-Nitroaniline
Concen: 3.81 ng
RT: 10.445 min Scan# 1421
Delta R.T. -0.023 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:	138	Resp:	40232
Ion Ratio	Lower	Upper	
138	100		
92	58.6	31.0	71.0
108	82.3	51.5	91.5



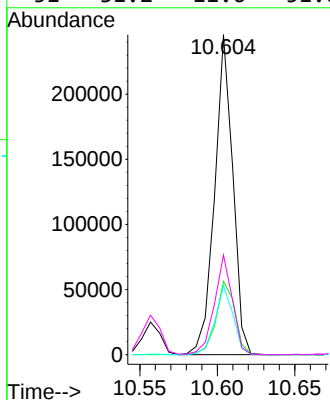


#63
Azobenzene
Concen: 4.05 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion: 77 Resp: 200284

Ion	Ratio	Lower	Upper
77	100		
182	22.9	3.4	43.4
105	21.4	1.7	41.7
51	31.2	11.6	51.6

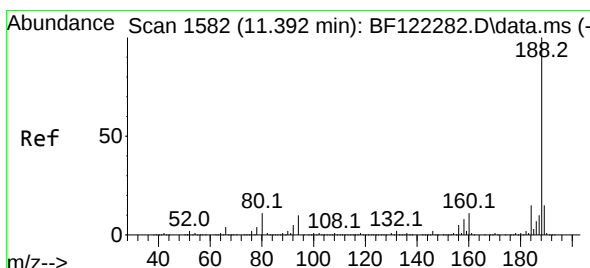


Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

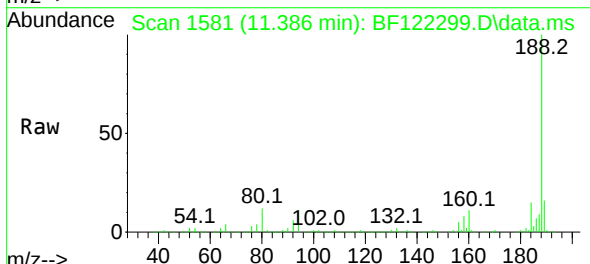
Manual Integrations
APPROVED

mohammad

11/11/2020 10:32:15 AM

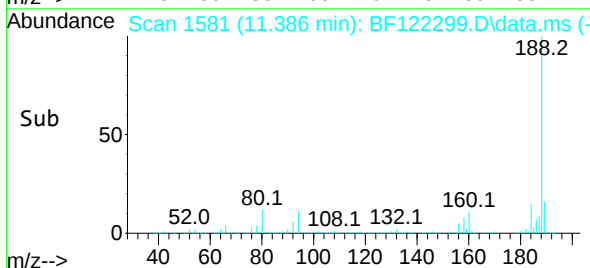
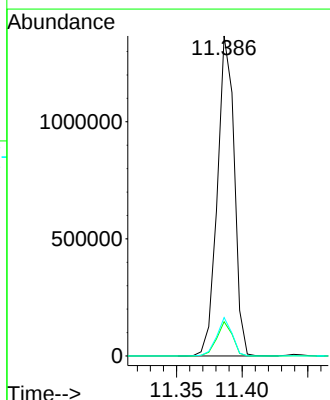


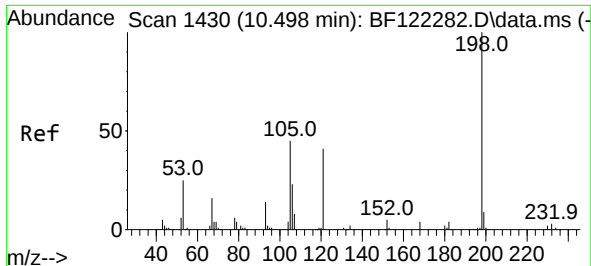
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion: 188 Resp: 1221937

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.3	12.5
80	12.0	9.1	13.7





#65
4,6-Dinitro-2-methylphenol
Concen: 2.42 ng
RT: 10.480 min Scan# 1427
Delta R.T. -0.018 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

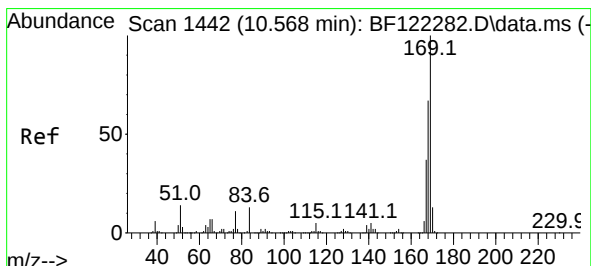
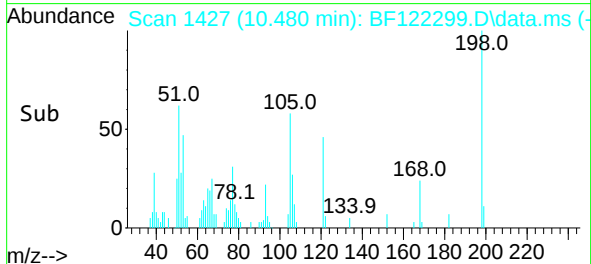
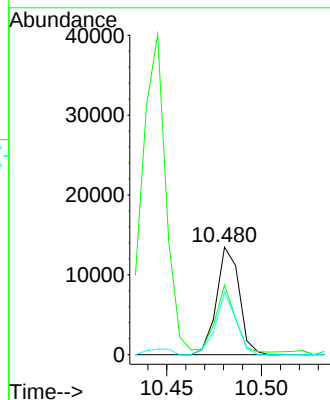
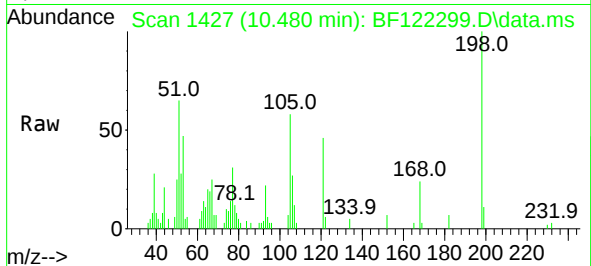
Tgt Ion:198 Resp: 11218
Ion Ratio Lower Upper
198 100
51 64.7 29.6 69.6
105 58.4 24.4 64.4

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

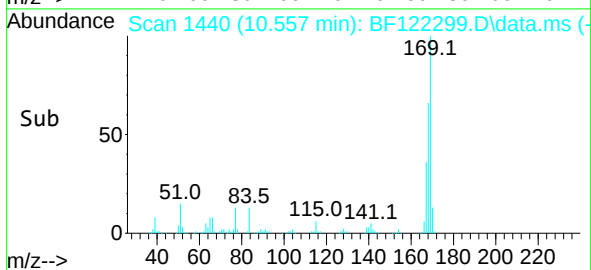
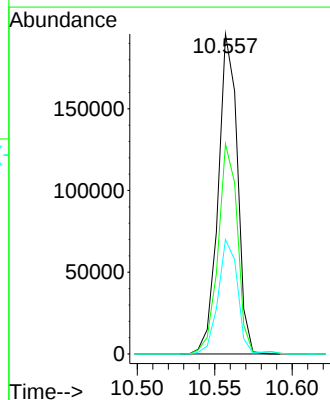
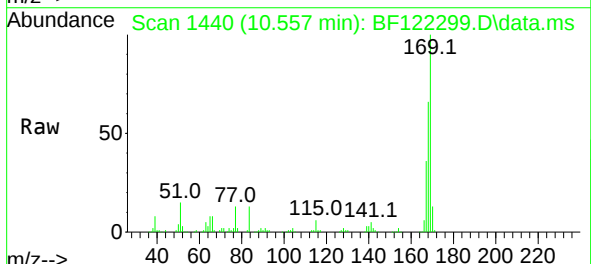
mohammad

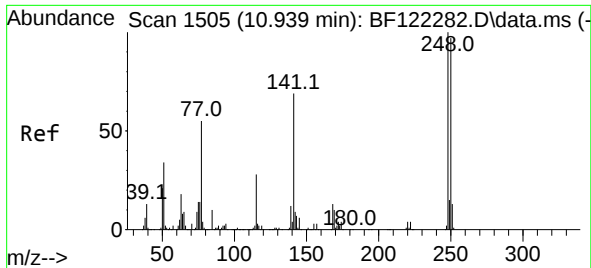
11/11/2020 10:32:15 AM



#66
n-Nitrosodiphenylamine
Concen: 4.05 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:169 Resp: 168778
Ion Ratio Lower Upper
169 100
168 65.6 50.0 75.0
167 35.8 27.8 41.6





#67
4-Bromophenyl-phenylether
Concen: 3.95 ng
RT: 10.933 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

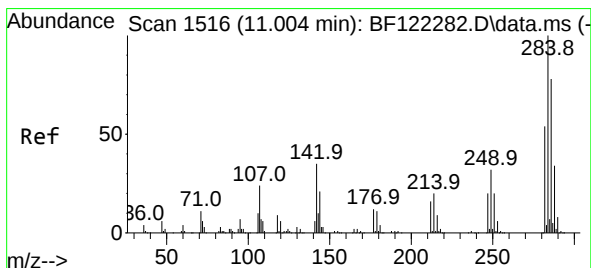
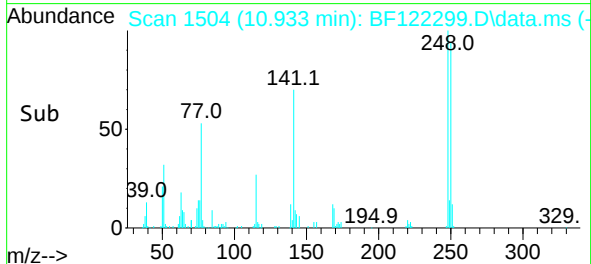
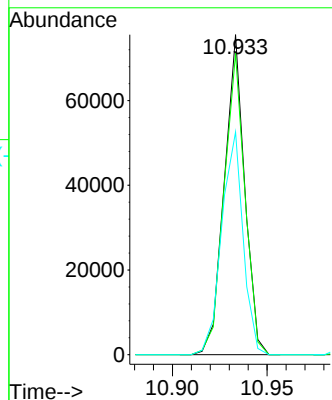
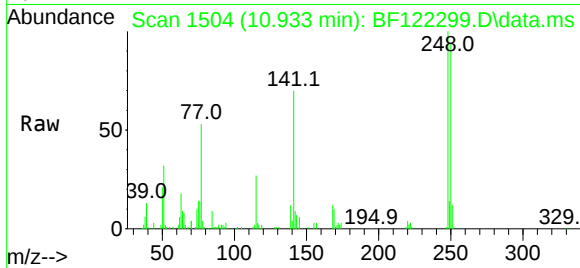
Tgt Ion:248	Resp:	56688
Ion Ratio	Lower	Upper
248	100	
250	94.1	77.0 115.6
141	69.6	53.7 80.5

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

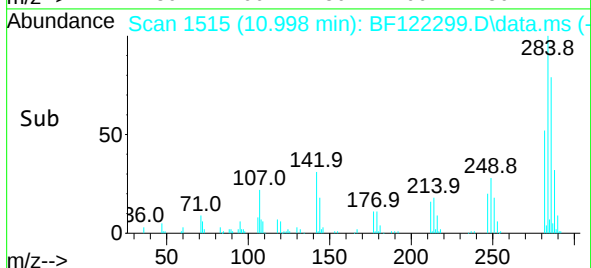
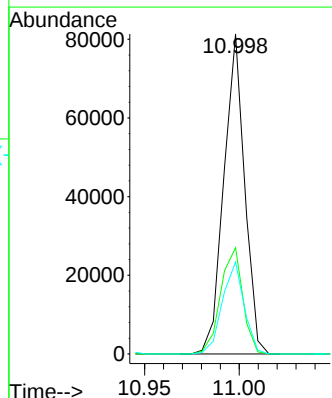
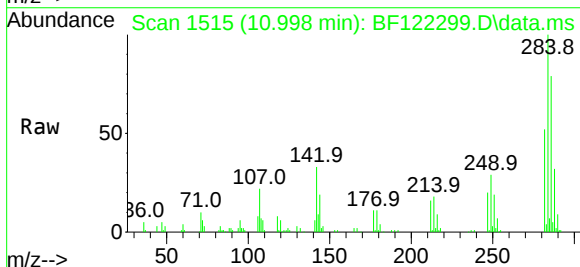
mohammad

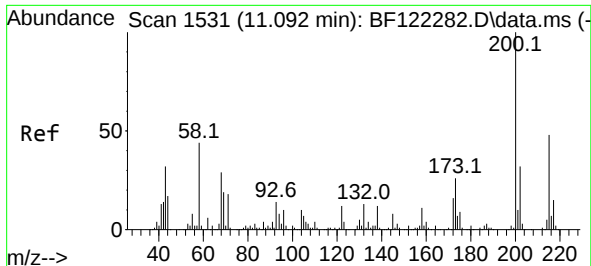
11/11/2020 10:32:15 AM



#68
Hexachlorobenzene
Concen: 4.01 ng
RT: 10.998 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:284	Resp:	62137
Ion Ratio	Lower	Upper
284	100	
142	33.2	27.4 41.2
249	28.7	24.2 36.4





#69
Atrazine
Concen: 4.37 ng
RT: 11.080 min Scan# 1529
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

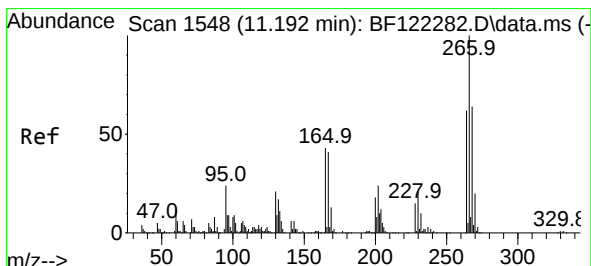
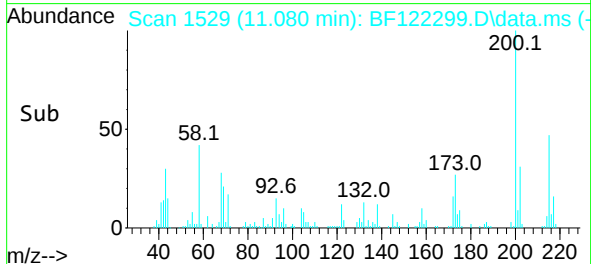
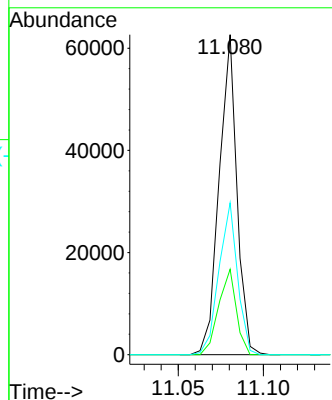
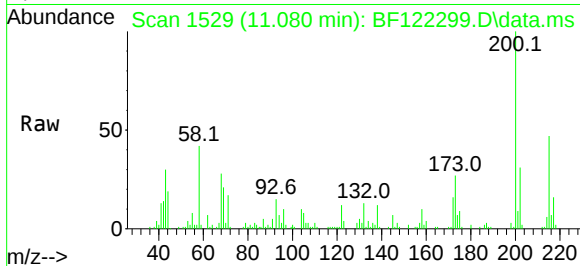
Tgt Ion:200 Resp: 45348
Ion Ratio Lower Upper
200 100
173 26.7 7.5 47.5
215 47.5 27.1 67.1

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

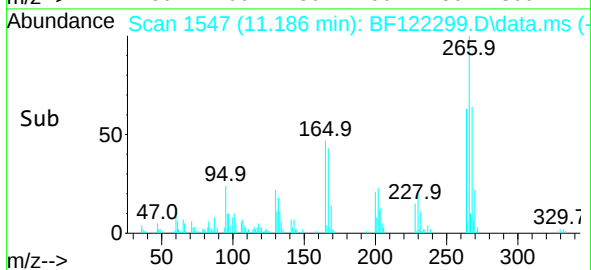
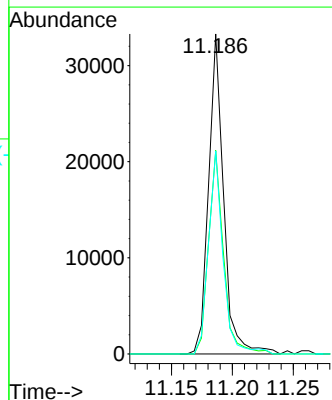
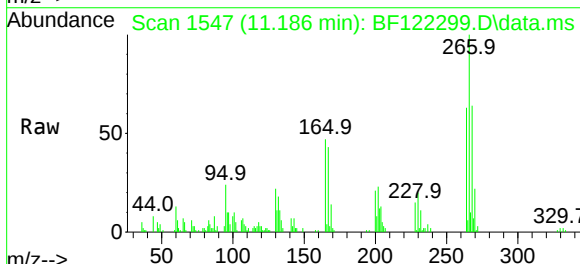
mohammad

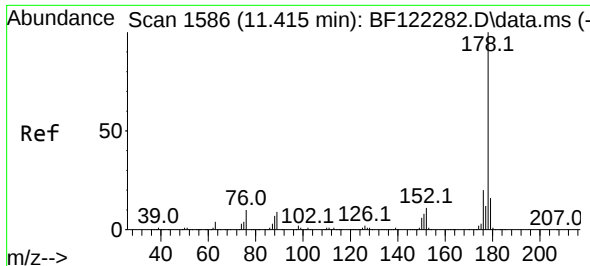
11/11/2020 10:32:15 AM



#70
Pentachlorophenol
Concen: 3.20 ng
RT: 11.186 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

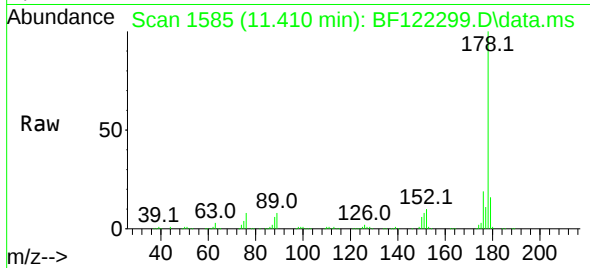
Tgt Ion:266 Resp: 28613
Ion Ratio Lower Upper
266 100
268 63.6 52.4 78.6
264 63.4 49.9 74.9





#71
Phenanthrene
Concen: 4.25 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

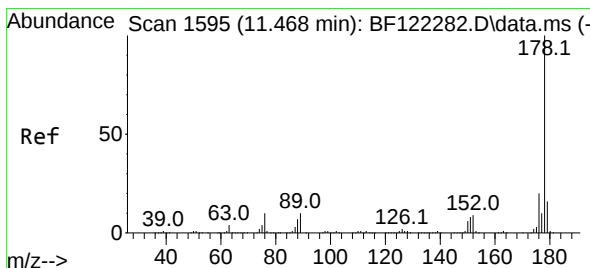
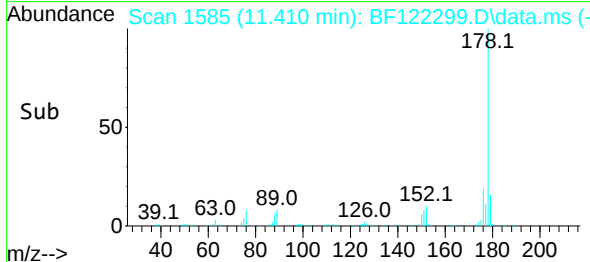
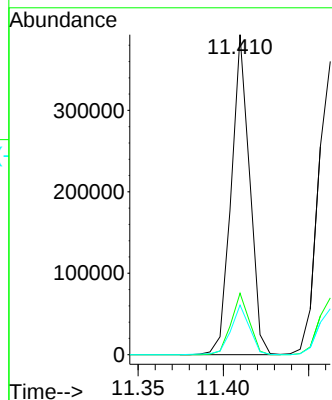


Tgt Ion:178 Resp: 294336
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.5 12.2 18.4

Manual Integrations
APPROVED

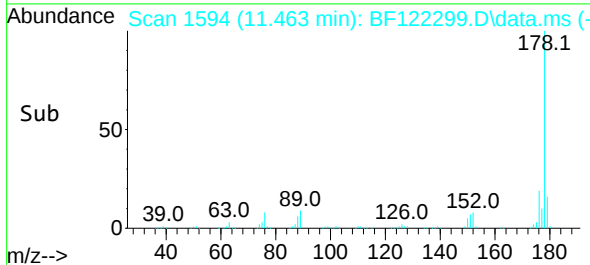
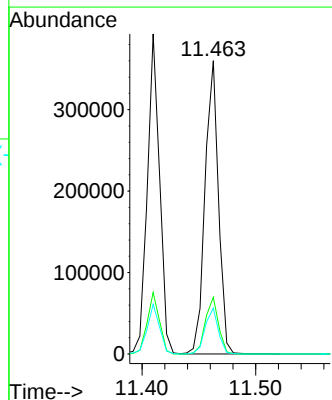
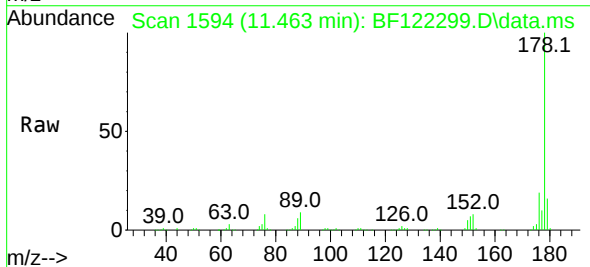
mohammad

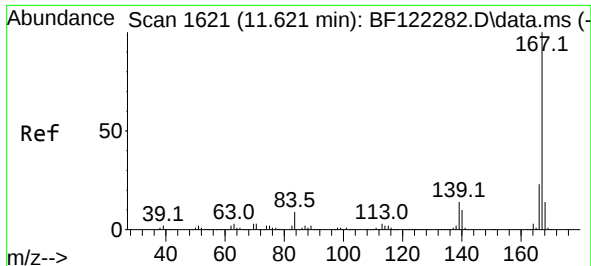
11/11/2020 10:32:15 AM



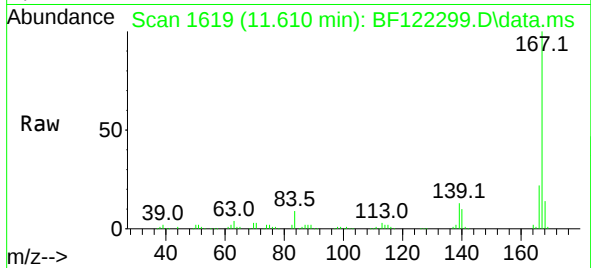
#72
Anthracene
Concen: 4.14 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:178 Resp: 295982
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.7 12.7 19.1

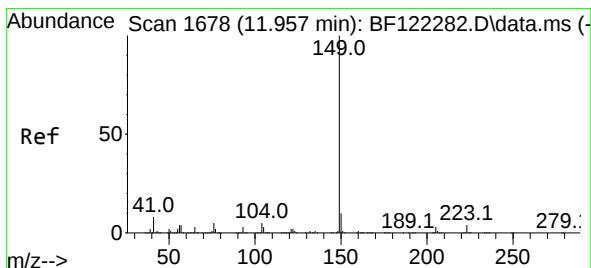
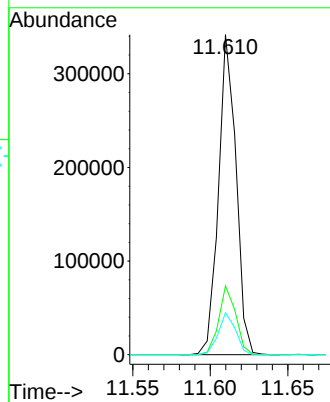
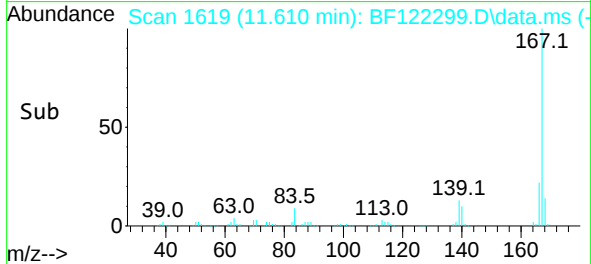




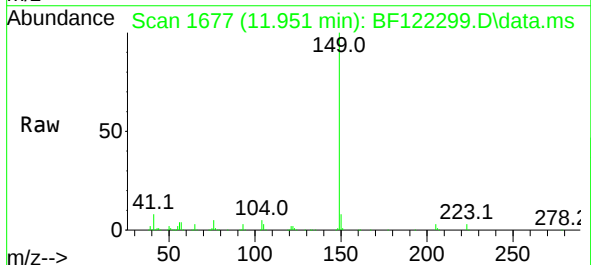
#73
Carbazole
Concen: 4.13 ng
RT: 11.610 min Scan# 1619
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



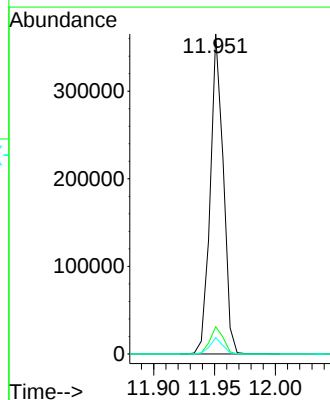
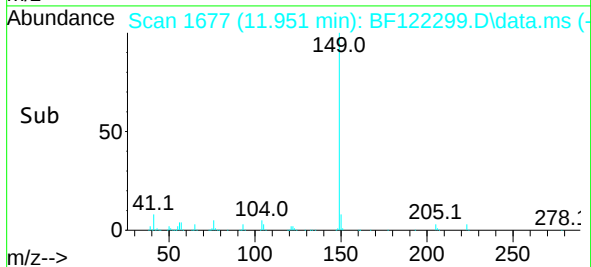
Tgt Ion:167 Resp: 268637
Ion Ratio Lower Upper
167 100
166 21.5 17.8 26.6
139 13.1 10.8 16.2



#74
Di-n-butylphthalate
Concen: 3.91 ng
RT: 11.951 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion:149 Resp: 270902
Ion Ratio Lower Upper
149 100
150 8.5 7.7 11.5
104 5.1 4.2 6.2

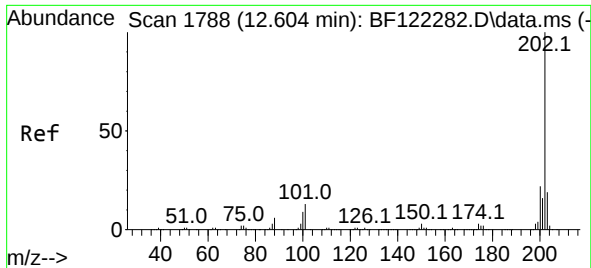


Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

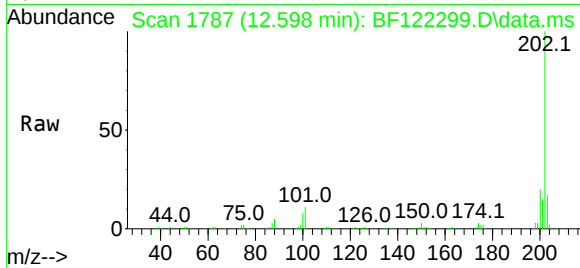
mohammad

11/11/2020 10:32:15 AM



#75
Fluoranthene
Concen: 4.08 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

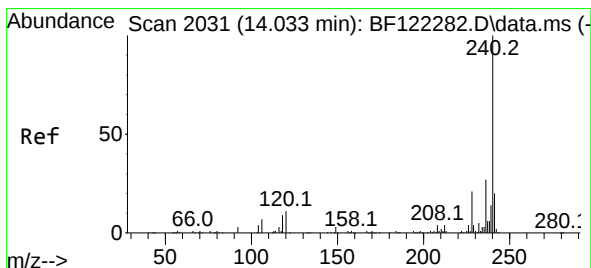
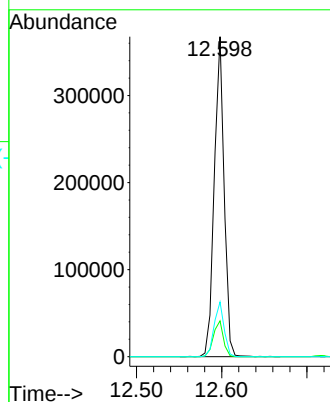


Tgt Ion:202 Resp: 295571
Ion Ratio Lower Upper
202 100
101 11.2 0.0 33.4
203 17.1 0.0 37.9

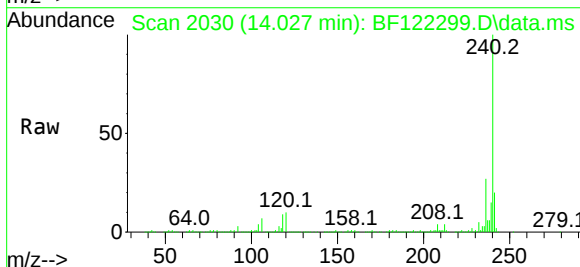
Manual Integrations
APPROVED

mohammad

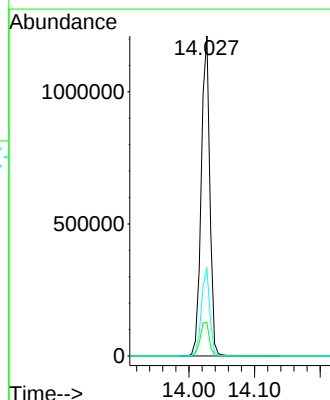
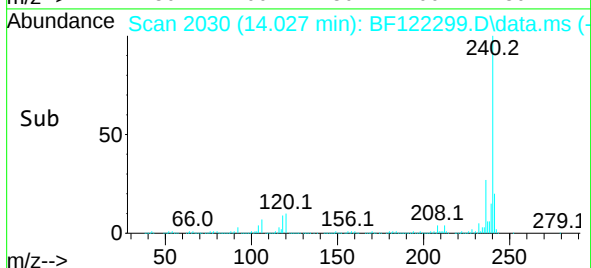
11/11/2020 10:32:15 AM

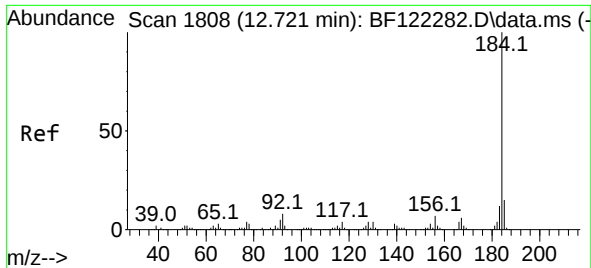


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion:240 Resp: 1105413
Ion Ratio Lower Upper
240 100
120 10.5 9.2 13.8
236 27.3 20.9 31.3





#77
Benzidine
Concen: 4.41 ng
RT: 12.716 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

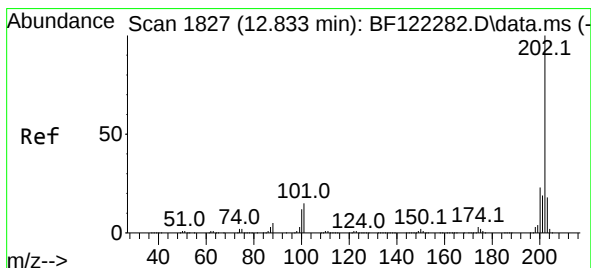
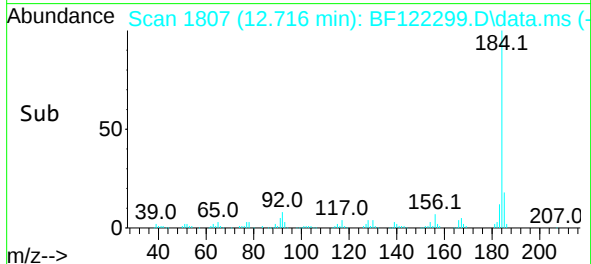
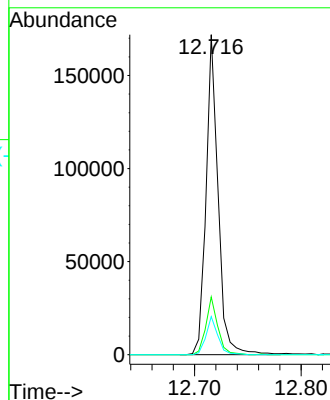
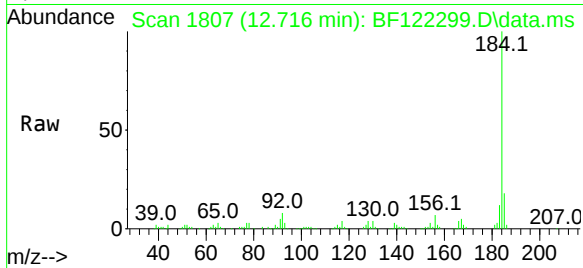
Tgt Ion:184 Resp: 135141
Ion Ratio Lower Upper
184 100
185 18.1 11.6 17.4#
183 11.9 9.4 14.0

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

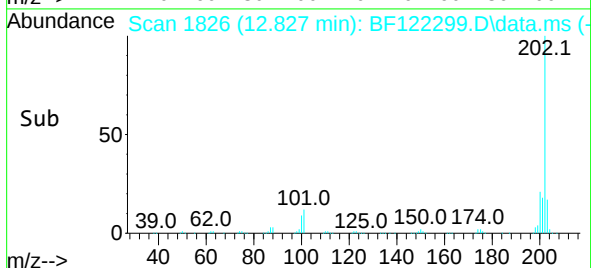
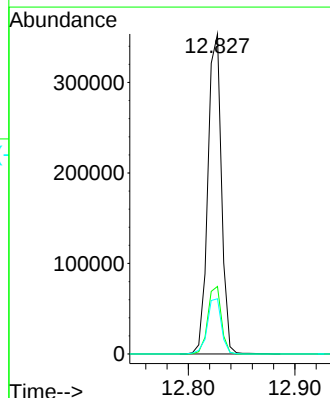
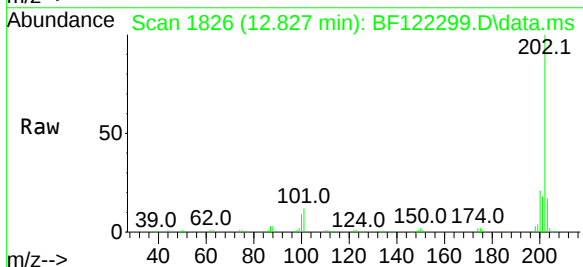
mohammad

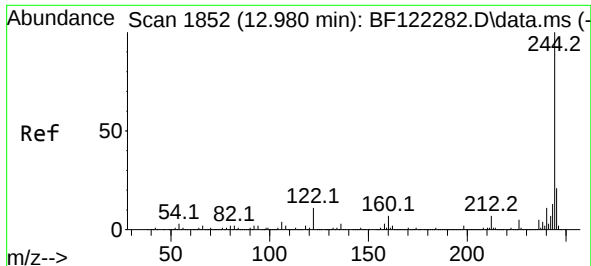
11/11/2020 10:32:15 AM



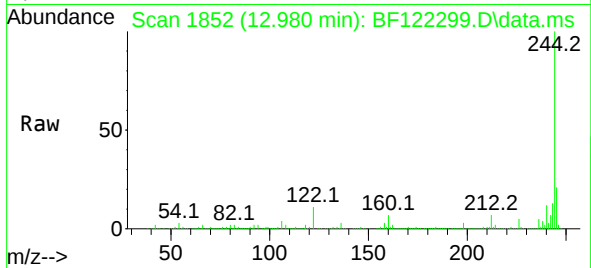
#78
Pyrene
Concen: 4.04 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:202 Resp: 313399
Ion Ratio Lower Upper
202 100
200 21.1 17.4 26.2
203 17.2 14.6 21.8

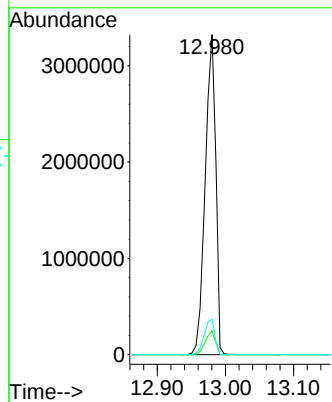
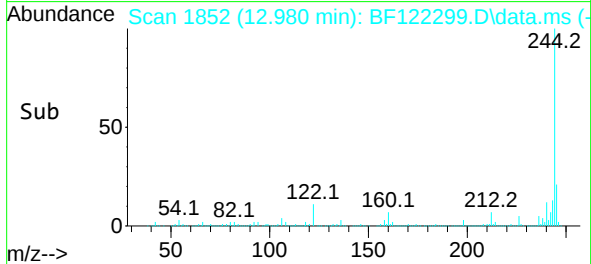




#79
Terphenyl-d14
Concen: 68.46 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion:244 Resp: 3572335
Ion Ratio Lower Upper
244 100
212 7.4 5.4 8.2
122 11.2 8.1 12.1

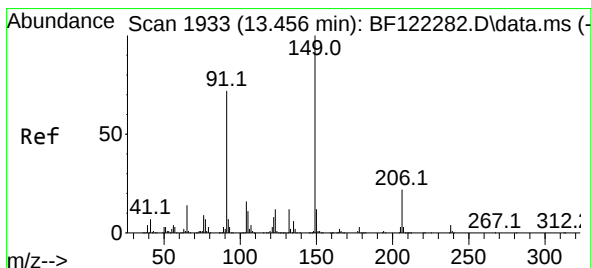


Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

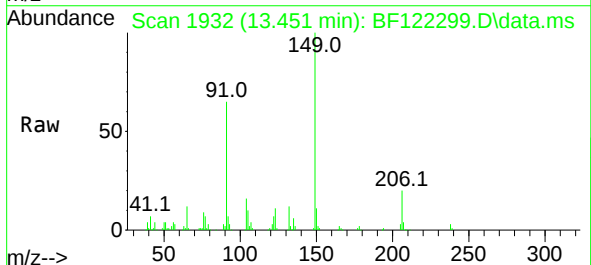
Manual Integrations
APPROVED

mohammad

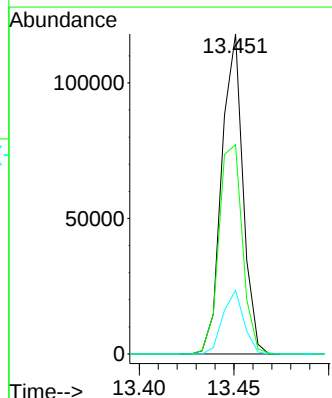
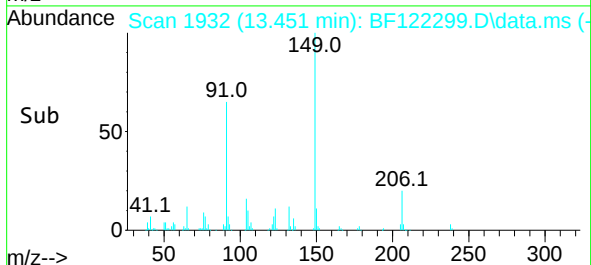
11/11/2020 10:32:15 AM

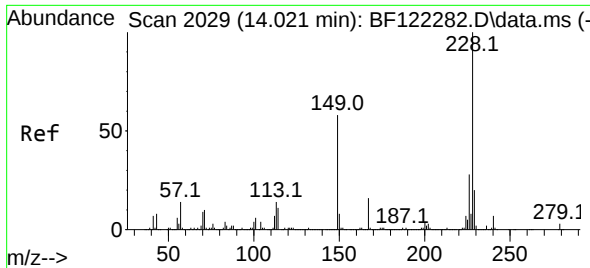


#80
Butylbenzylphthalate
Concen: 3.29 ng
RT: 13.451 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

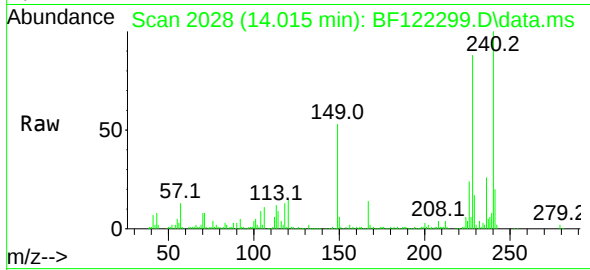


Tgt Ion:149 Resp: 91878
Ion Ratio Lower Upper
149 100
91 65.4 61.0 91.4
206 19.9 16.7 25.1

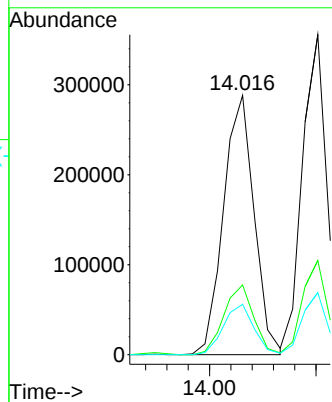
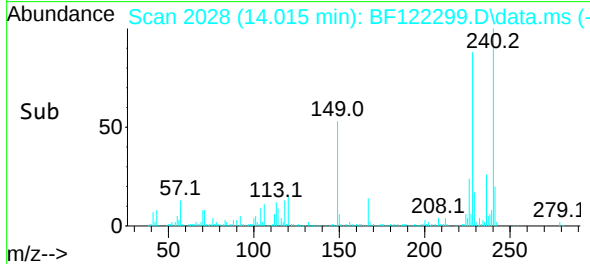




#81
Benzo(a)anthracene
Concen: 4.20 ng
RT: 14.015 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion:228 Resp: 288398
Ion Ratio Lower Upper
228 100
226 26.9 22.3 33.5
229 19.4 16.2 24.4

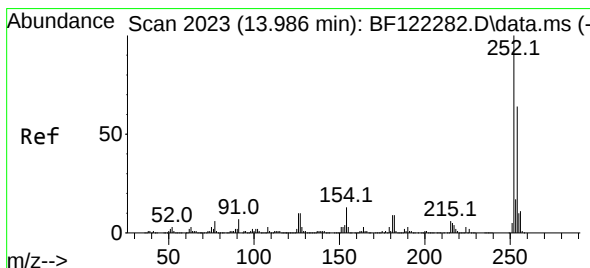


Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

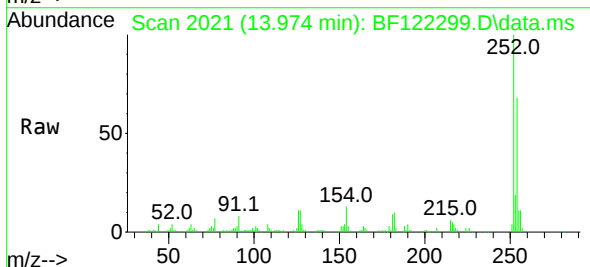
Manual Integrations
APPROVED

mohammad

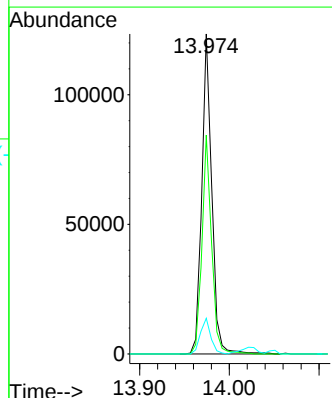
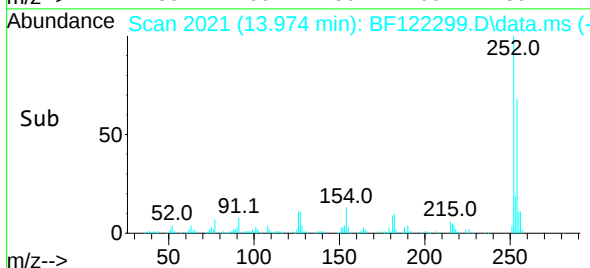
11/11/2020 10:32:15 AM

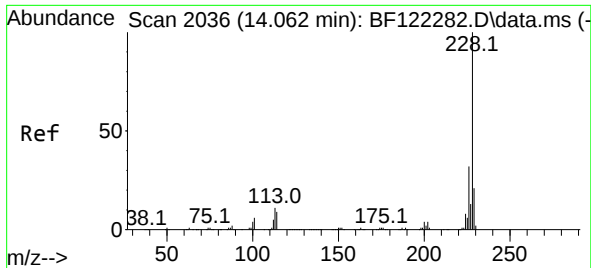


#82
3,3'-Dichlorobenzidine
Concen: 3.73 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion:252 Resp: 95489
Ion Ratio Lower Upper
252 100
254 68.4 51.8 77.6
126 11.2 8.8 13.2





#83
Chrysene
Concen: 4.15 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

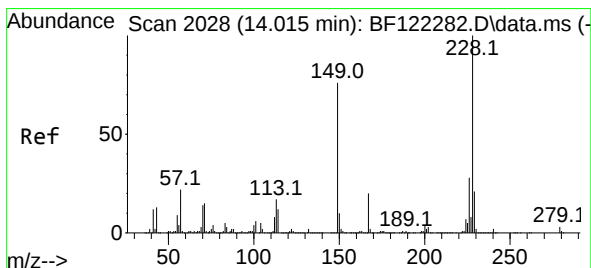
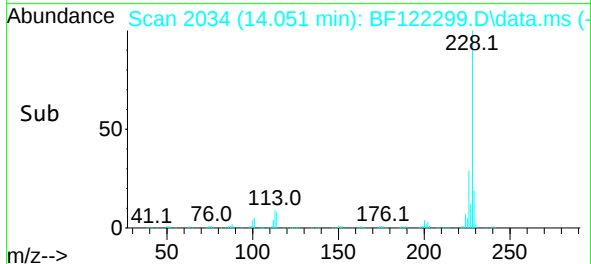
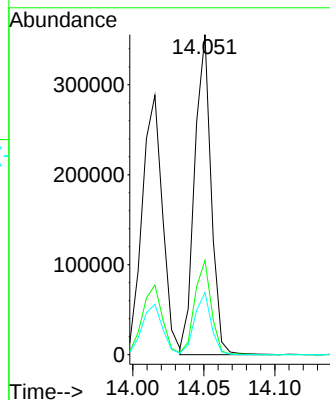
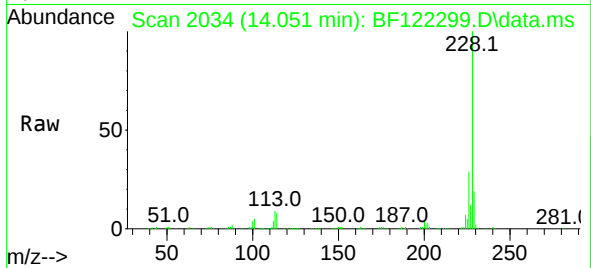
Tgt Ion:	228	Resp:	287245
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.6	37.0
229	19.4	15.9	23.9

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

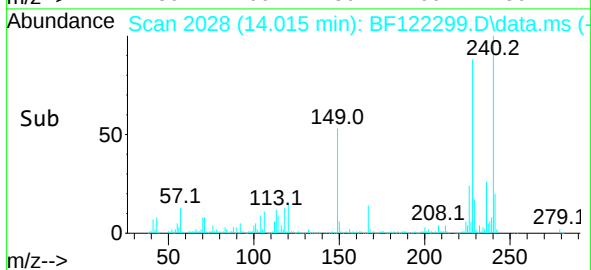
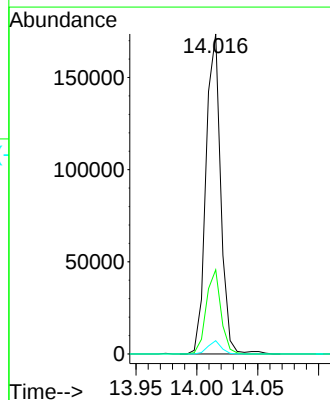
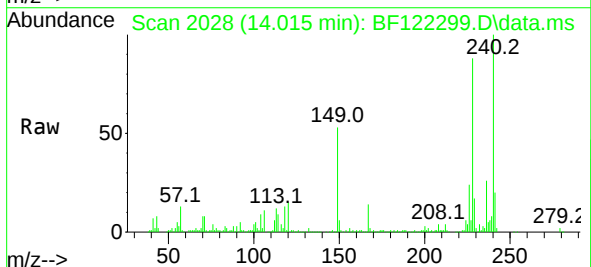
mohammad

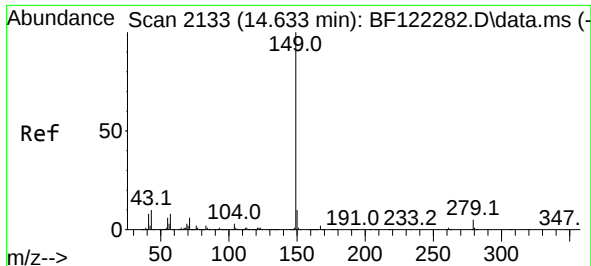
11/11/2020 10:32:15 AM



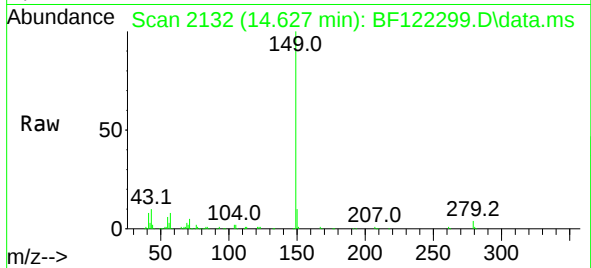
#84
Bis(2-ethylhexyl)phthalate
Concen: 3.90 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion:	149	Resp:	146086
Ion Ratio	Lower	Upper	
149	100		
167	26.3	20.9	31.3
279	4.2	3.2	4.8

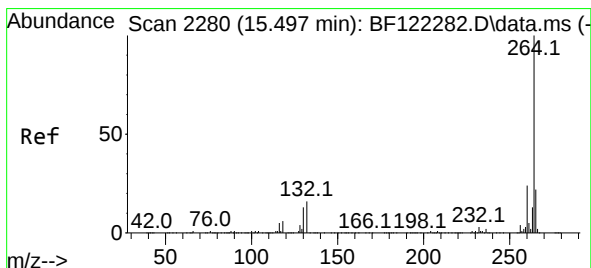
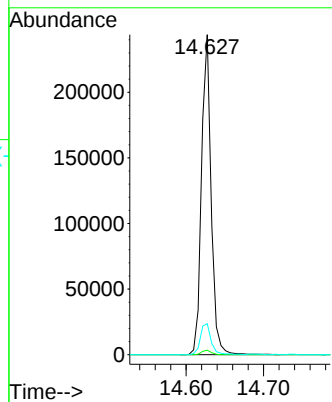
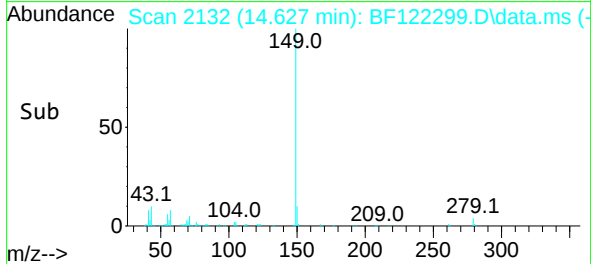




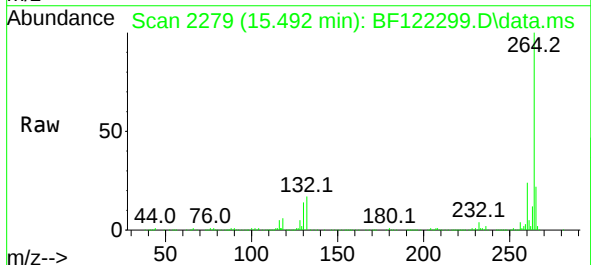
#85
Di-n-octyl phthalate
Concen: 3.31 ng
RT: 14.627 min Scan# 2132
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



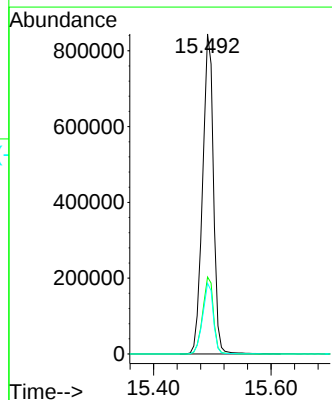
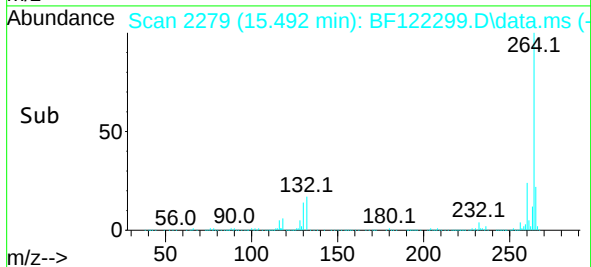
Tgt Ion:149 Resp: 210301
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 10.9 9.0 13.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.492 min Scan# 2279
Delta R.T. -0.006 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26



Tgt Ion:264 Resp: 1084819
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 22.1 17.3 25.9

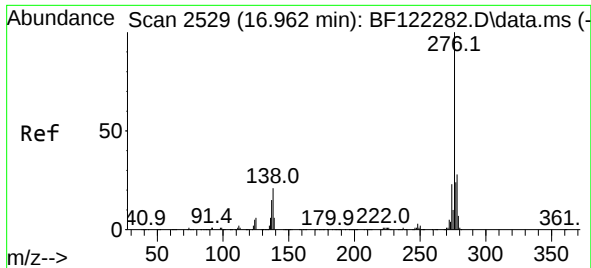


Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

mohammad

11/11/2020 10:32:15 AM



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.72 ng
RT: 16.939 min Scan# 2525
Delta R.T. -0.023 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

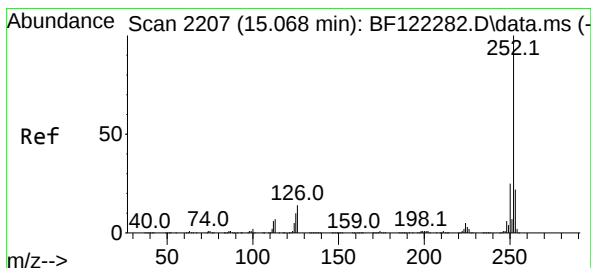
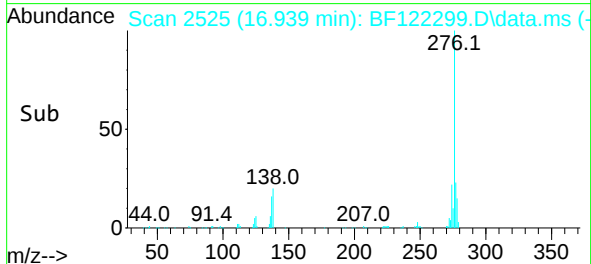
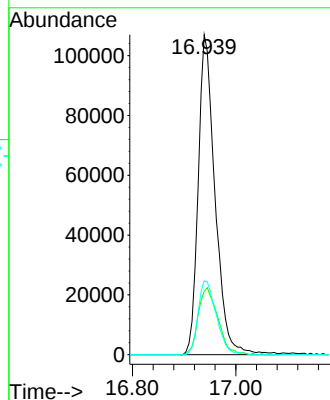
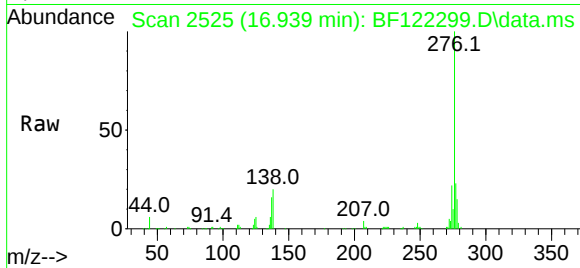
Tgt Ion: 276 Resp: 242365
Ion Ratio Lower Upper
276 100
138 24.3 19.9 29.9
277 24.9 20.4 30.6

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

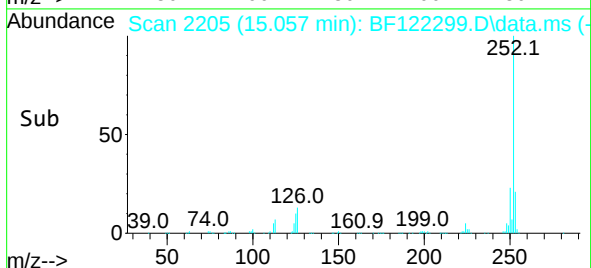
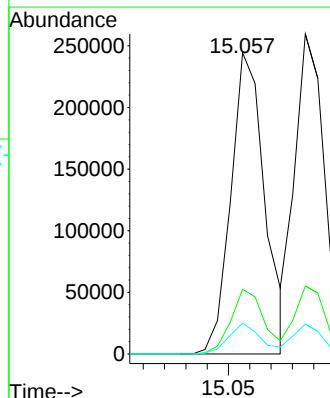
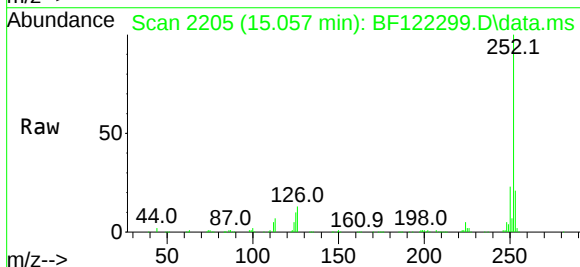
mohammad

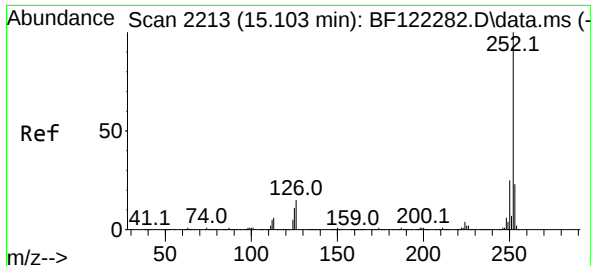
11/11/2020 10:32:15 AM



#88
Benzo(b)fluoranthene
Concen: 3.85 ng
RT: 15.057 min Scan# 2205
Delta R.T. -0.011 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion: 252 Resp: 270183
Ion Ratio Lower Upper
252 100
253 21.4 18.2 27.2
125 10.3 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 3.77 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.017 min

Lab File: BF122299.D

Acq: 10 Nov 2020 15:26

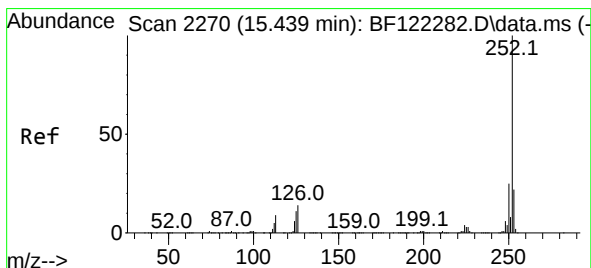
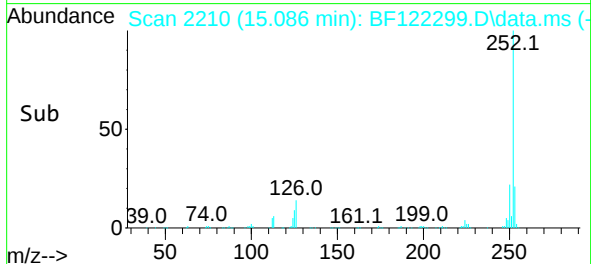
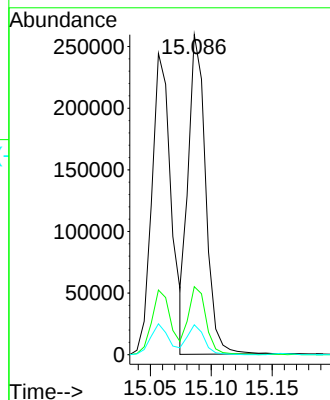
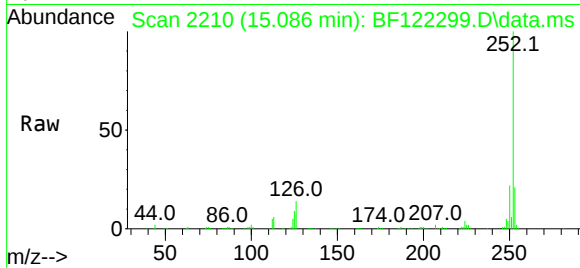
Tgt Ion:252 Resp: 258121

Ion Ratio Lower Upper

252 100

253 21.3 17.8 26.6

125 9.4 7.7 11.5



#90

Benzo(a)pyrene

Concen: 3.74 ng

RT: 15.421 min Scan# 2267

Delta R.T. -0.017 min

Lab File: BF122299.D

Acq: 10 Nov 2020 15:26

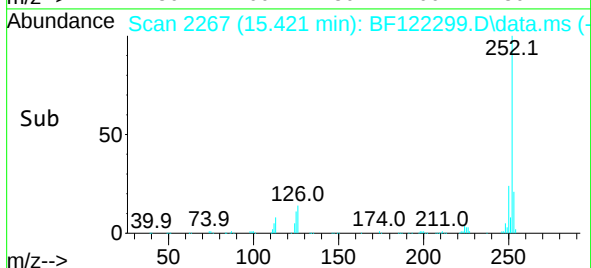
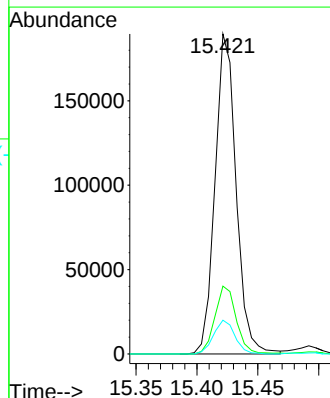
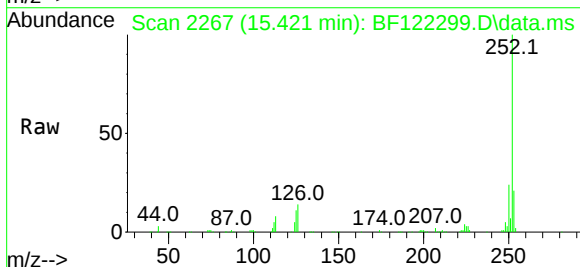
Tgt Ion:252 Resp: 228876

Ion Ratio Lower Upper

252 100

253 21.2 17.3 25.9

125 10.6 8.6 13.0



Instrument :

BNA_F

ClientSampleId :

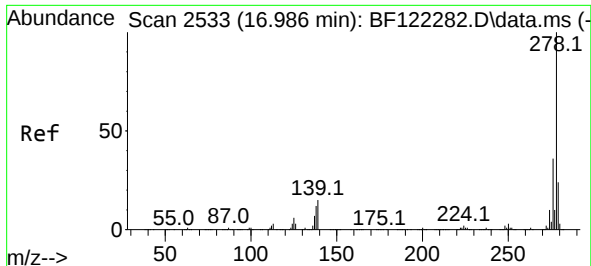
LOQ-WATER-02-QT4-2020

Manual Integrations

APPROVED

mohammad

11/11/2020 10:32:15 AM



#91
Dibenzo(a,h)anthracene
Concen: 3.76 ng
RT: 16.962 min Scan# 2529
Delta R.T. -0.023 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

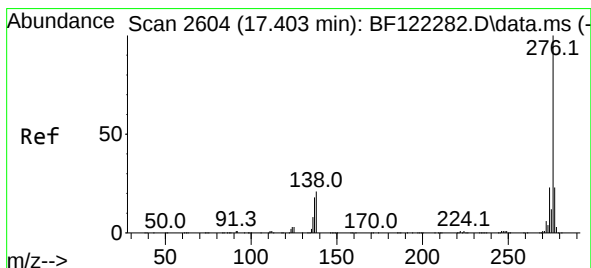
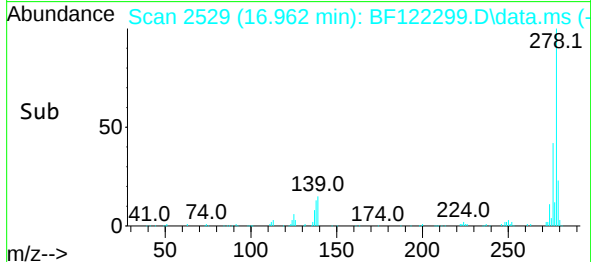
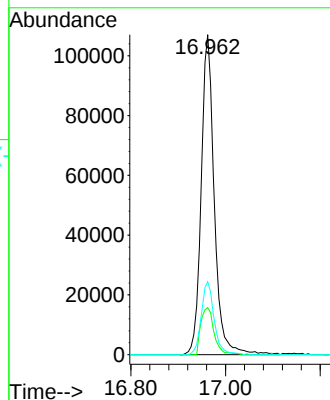
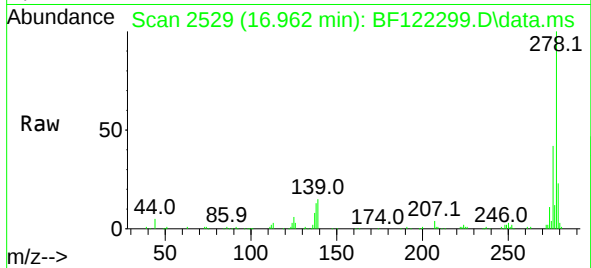
Tgt Ion: 278 Resp: 205223
Ion Ratio Lower Upper
278 100
139 14.7 13.0 19.4
279 22.8 19.0 28.4

Instrument :
BNA_F
ClientSampleId :
LOQ-WATER-02-QT4-2020

Manual Integrations
APPROVED

mohammad

11/11/2020 10:32:15 AM



#92
Benzo(g,h,i)perylene
Concen: 3.67 ng
RT: 17.374 min Scan# 2599
Delta R.T. -0.029 min
Lab File: BF122299.D
Acq: 10 Nov 2020 15:26

Tgt Ion: 276 Resp: 194378
Ion Ratio Lower Upper
276 100
277 23.8 19.4 29.2
138 20.7 17.8 26.6

