

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118808.D
 Acq On : 4 Feb 2020 18:26
 Operator : CG/JU
 Sample : L1360-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MSD

Manual Integrations
 APPROVED

mohammad
 2/6/2020 2:17:11 PM

Quant Time: Feb 05 06:43:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	277241	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	1058655	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	615967	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1179074	20.00	ng	0.00
76) Chrysene-d12	13.97	240	811845	20.00	ng	-0.01
87) Perylene-d12	15.41	264	799891	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	1683159	114.92	ng	0.00
7) Phenol-d6	6.45	99	2099699	115.49	ng	0.00
23) Nitrobenzene-d5	7.37	82	1371505	77.22	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	835130	113.31	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2819027	81.82	ng	0.00
79) Terphenyl-d14	12.92	244	3544408	89.68	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.62	88	303554	45.478	ng	99
3) Pyridine	3.36	79	780306	42.101	ng	99
4) n-Nitrosodimethylamine	3.30	42	343982	50.975	ng	97
6) Aniline	6.47	93	721002	30.791	ng	99
8) 2-Chlorophenol	6.60	128	890897	54.612	ng	99
9) Benzaldehyde	6.36	77	411785	38.883	ng	96
10) Phenol	6.46	94	1041983	51.543	ng	99
11) bis(2-Chloroethyl)ether	6.55	93	802466	51.885	ng	100
12) 1,3-Dichlorobenzene	6.76	146	948330	48.838	ng	98
13) 1,4-Dichlorobenzene	6.83	146	962253	49.680	ng	98
14) 1,2-Dichlorobenzene	6.99	146	886925	47.936	ng	97
15) Benzyl Alcohol	6.96	79	738139	52.524	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	928438	49.019	ng	99
17) 2-Methylphenol	7.07	107	721198	53.175	ng	100
18) Hexachloroethane	7.33	117	340213	48.939	ng	98
19) n-Nitroso-di-n-propylamine	7.23	70	564079	50.708	ng	96
20) 3+4-Methylphenols	7.22	107	827134	48.654	ng	96
22) Acetophenone	7.22	105	1099316	47.795	ng	96
24) Nitrobenzene	7.39	77	884213	49.834	ng	98
25) Isophorone	7.64	82	1637532	51.300	ng	98
26) 2-Nitrophenol	7.71	139	496273	52.489	ng	99
27) 2,4-Dimethylphenol	7.75	122	764997	59.564	ng	98
28) bis(2-Chloroethoxy)methane	7.85	93	1012782	48.930	ng	99
29) 2,4-Dichlorophenol	7.96	162	784036	50.974	ng	98
30) 1,2,4-Trichlorobenzene	8.04	180	865897	48.164	ng	99
31) Naphthalene	8.12	128	2432385	50.237	ng	100
32) Benzoic acid	7.89	122	531093	49.945	ng	98
33) 4-Chloroaniline	8.16	127	329945	15.231	ng	96
34) Hexachlorobutadiene	8.24	225	522312	47.421	ng	100
35) Caprolactam	8.54	113	262198m	52.585	ng	
36) 4-Chloro-3-methylphenol	8.65	107	807245	52.151	ng	99
37) 2-Methylnaphthalene	8.81	142	1720016	51.221	ng	97
38) 1-Methylnaphthalene	8.91	142	1641474	51.962	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	834614	44.895	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118808.D
 Acq On : 4 Feb 2020 18:26
 Operator : CG/JU
 Sample : L1360-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MSD

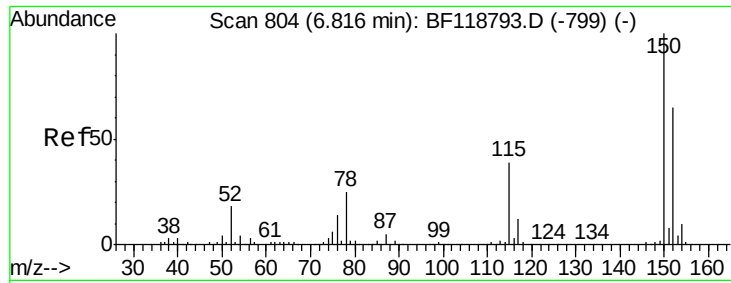
Manual Integrations
 APPROVED

mohammad
 2/6/2020 2:17:11 PM

Quant Time: Feb 05 06:43:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	917109	125.811	nq	97
43) 2,4,6-Trichlorophenol	9.09	196	610954	49.146	nq	100
44) 2,4,5-Trichlorophenol	9.13	196	643573	50.666	nq	96
46) 1,1'-Biphenyl	9.27	154	2098800	49.257	nq	99
47) 2-Chloronaphthalene	9.30	162	1682248	47.491	nq	99
48) 2-Nitroaniline	9.39	65	486828	47.651	nq	100
49) Acenaphthylene	9.72	152	2605201	50.937	nq	99
50) Dimethylphthalate	9.58	163	2171808	51.782	nq	99
51) 2,6-Dinitrotoluene	9.63	165	495402	51.622	nq	98
52) Acenaphthene	9.89	154	1633803	48.477	nq	100
53) 3-Nitroaniline	9.80	138	219603	20.634	nq	98
54) 2,4-Dinitrophenol	9.91	184	461272	99.984	nq	96
55) Dibenzofuran	10.06	168	2354577	48.343	nq	99
56) 4-Nitrophenol	9.97	139	804364	104.425	nq	98
57) 2,4-Dinitrotoluene	10.04	165	658129	51.821	nq	# 88
58) Fluorene	10.40	166	1767250	48.230	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.17	232	565270	50.957	nq	99
60) Diethylphthalate	10.27	149	2000314	49.047	nq	100
61) 4-Chlorophenyl-phenylether	10.39	204	936414	47.123	nq	100
62) 4-Nitroaniline	10.42	138	463108	43.451	nq	100
63) Azobenzene	10.55	77	1761651	50.596	nq	98
65) 4,6-Dinitro-2-methylphenol	10.45	198	364071	54.951	nq	88
66) n-Nitrosodiphenylamine	10.51	169	1706873	49.977	nq	99
67) 4-Bromophenyl-phenylether	10.88	248	675731	48.447	nq	98
68) Hexachlorobenzene	10.95	284	752511	47.037	nq	98
69) Atrazine	11.04	200	622302	54.692	nq	99
70) Pentachlorophenol	11.15	266	781812	92.551	nq	99
71) Phenanthrene	11.36	178	2693070	46.422	nq	100
72) Anthracene	11.41	178	2781595	48.198	nq	100
73) Carbazole	11.56	167	2447630	48.326	nq	99
74) Di-n-butylphthalate	11.90	149	3006755	46.602	nq	100
75) Fluoranthene	12.55	202	2937119	46.371	nq	98
77) Benzdine	12.66	184	1257499	51.212	nq	98
78) Pyrene	12.77	202	2881153	51.731	nq	98
80) Butylbenzylphthalate	13.39	149	1320037	51.928	nq	96
81) Benzo(a)anthracene	13.96	228	2349898	48.642	nq	99
82) 3,3'-Dichlorobenzidine	13.92	252	532377	26.944	nq	99
83) Chrysene	14.00	228	2413184	49.771	nq	99
84) Bis(2-ethylhexyl)phthalate	13.95	149	1656872	51.373	nq	99
85) Di-n-octyl phthalate	14.56	149	2745220	49.686	nq	100
86) Indeno(1,2,3-cd)pyrene	16.84	276	2504861	51.418	nq	99
88) Benzo(b)fluoranthene	15.00	252	2427894	48.915	nq	99
89) Benzo(k)fluoranthene	15.03	252	2161391	50.007	nq	100
90) Benzo(a)pyrene	15.35	252	2070757	48.749	nq	100
91) Dibenzo(a,h)anthracene	16.86	278	2061386	54.666	nq	100
92) Benzo(g,h,i)perylene	17.28	276	2113000	58.265	nq	98

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



#1

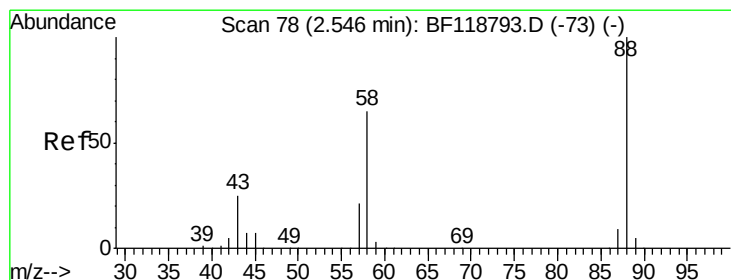
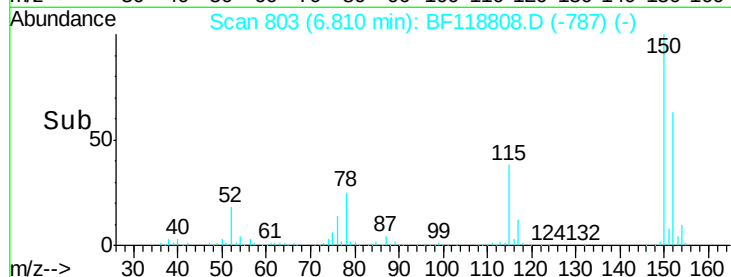
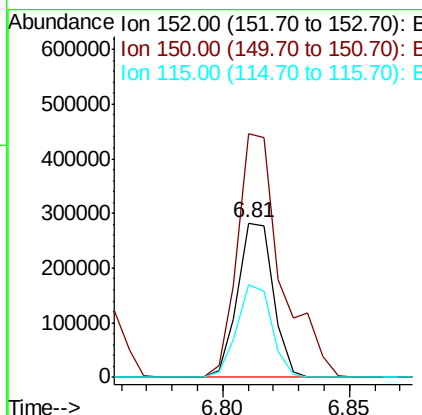
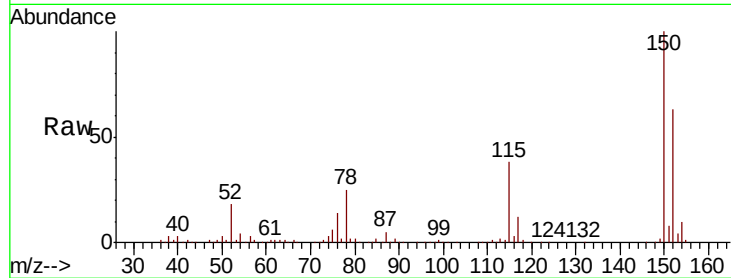
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampled :
TP-1MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	123.6	185.4
115	60.3	48.2	72.2

Manual Integrations
APPROVED

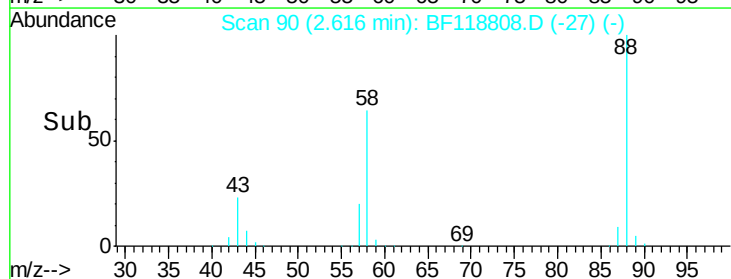
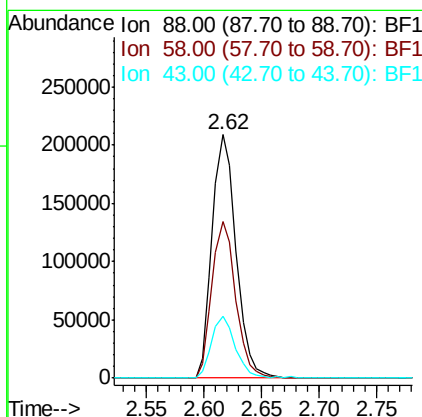
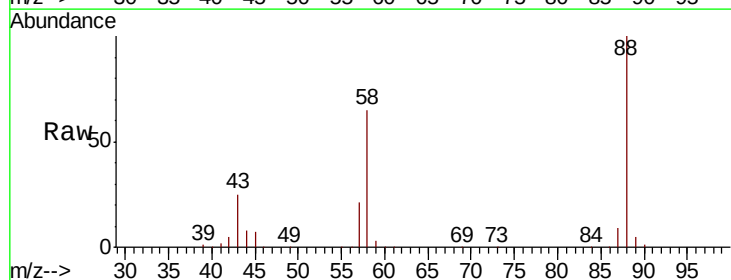
mohammad
2/6/2020 2:17:11 PM

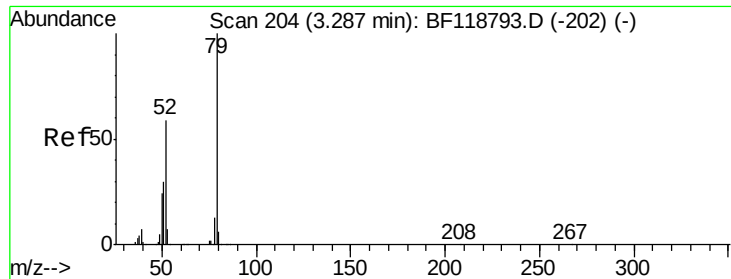


#2

1,4-Dioxane
Concen: 45.478 ng
RT: 2.62 min Scan# 90
Delta R.T. 0.07 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	64.0	51.6	77.4
43	24.6	19.8	29.6





#3

Pvridine

Concen: 42.101 ng

RT: 3.36 min Scan# 216

Delta R.T. 0.07 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

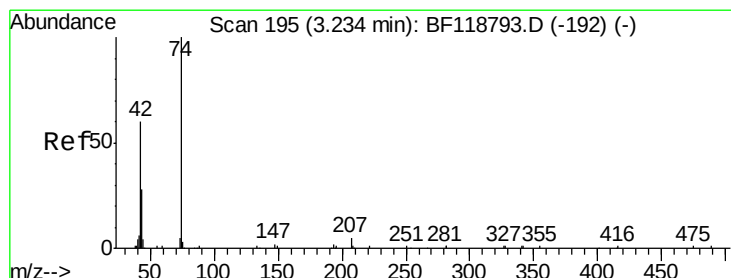
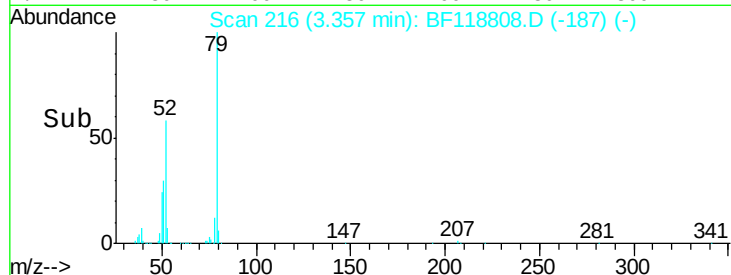
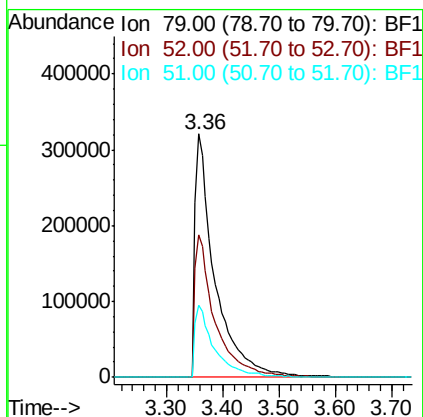
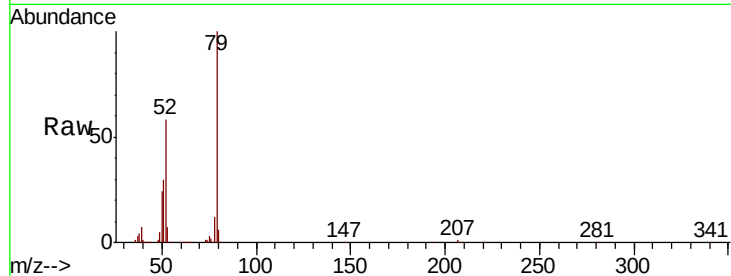
ClientSampleId :

TP-1MSD

Tot Ion:	79	Resp:	780306
Ion	Ratio	Lower	Upper
79	100		
52	58.4	47.4	71.0
51	29.6	24.2	36.4

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM



#4

n-Nitrosodimethylamine

Concen: 50.975 ng

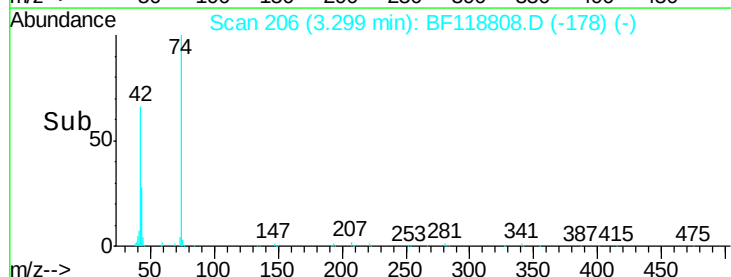
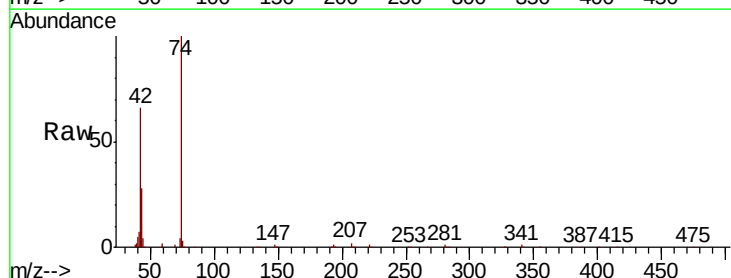
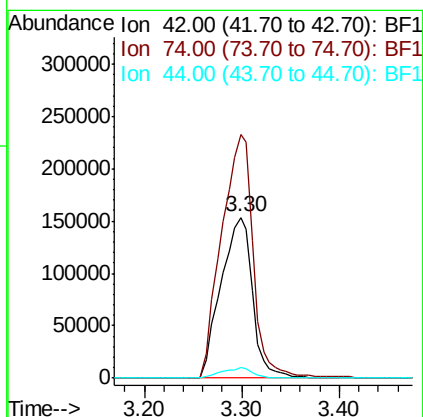
RT: 3.30 min Scan# 206

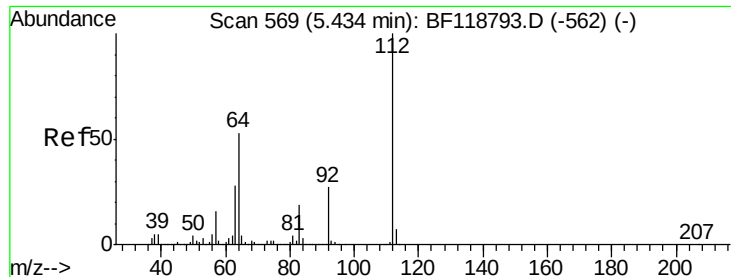
Delta R.T. 0.06 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Tgt Ion:	42	Resp:	343982
Ion	Ratio	Lower	Upper
42	100		
74	151.4	124.3	186.5
44	6.4	5.3	7.9





#5

2-Fluorophenol

Concen: 114.922 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

Tot Ion:112 Resp: 1683159

Ion Ratio Lower Upper

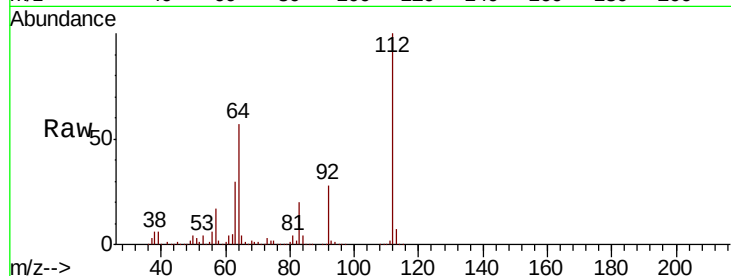
112 100

64 57.1 42.6 63.8

63 29.7 22.2 33.4

Manual Integrations
APPROVED

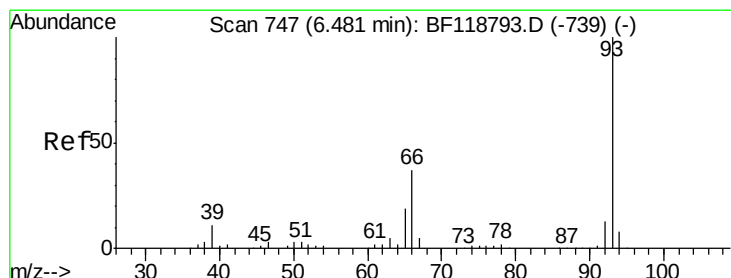
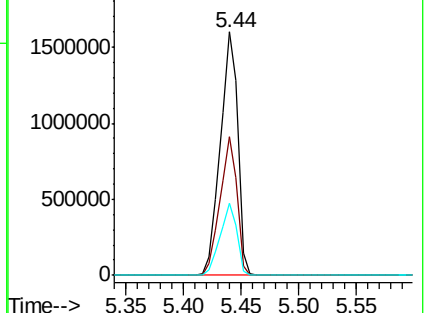
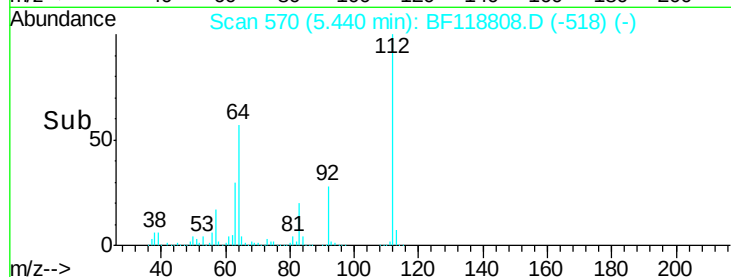
mohammad
2/6/2020 2:17:11 PM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 30.791 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

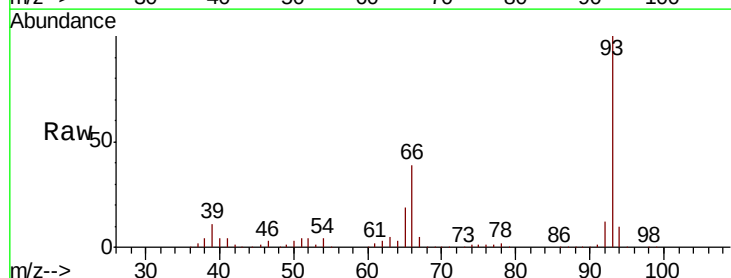
Tgt Ion: 93 Resp: 721002

Ion Ratio Lower Upper

93 100

66 39.3 30.8 46.2

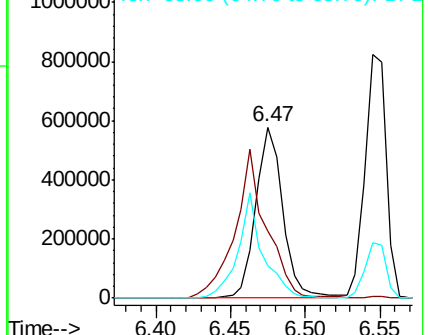
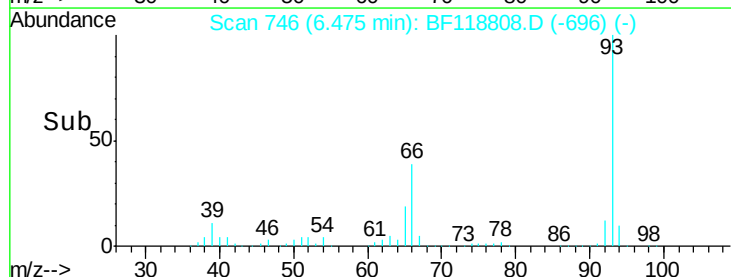
65 19.1 15.4 23.0

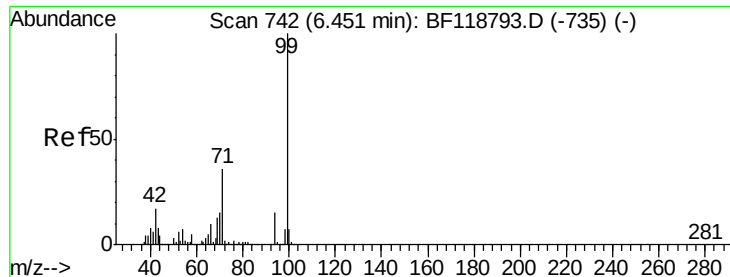


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 115.488 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

Tot Ion: 99 Resp: 2099699

Ion Ratio Lower Upper

99 100

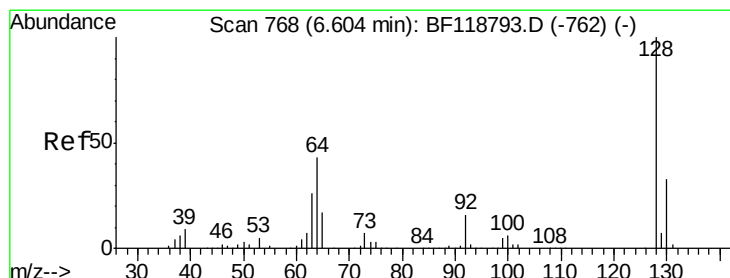
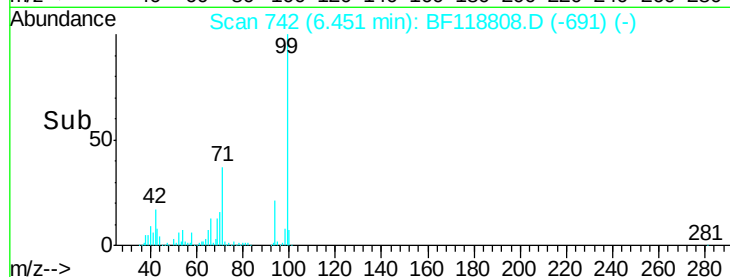
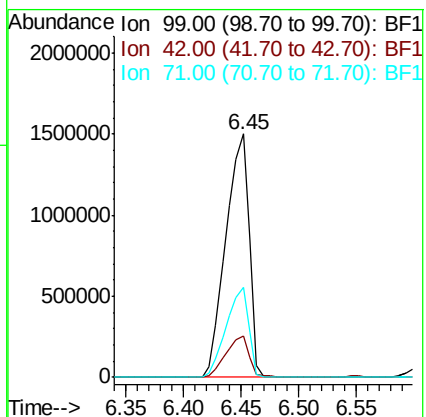
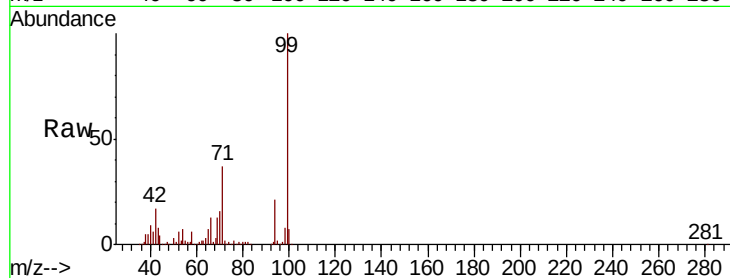
42 17.0 13.4 20.0

71 37.0 29.0 43.6

Manual Integrations
APPROVED

mohammad

2/6/2020 2:17:11 PM



#8

2-Chlorophenol

Concen: 54.612 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

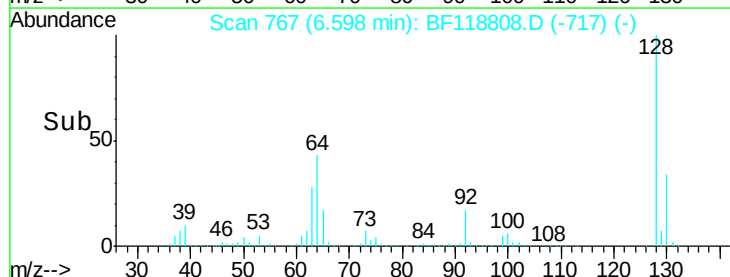
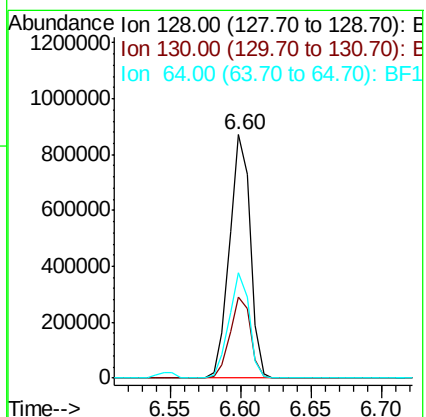
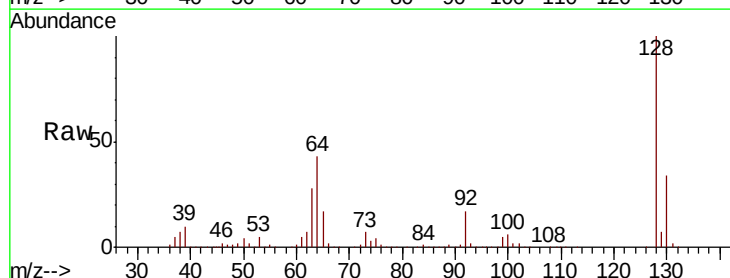
Tgt Ion: 128 Resp: 890897

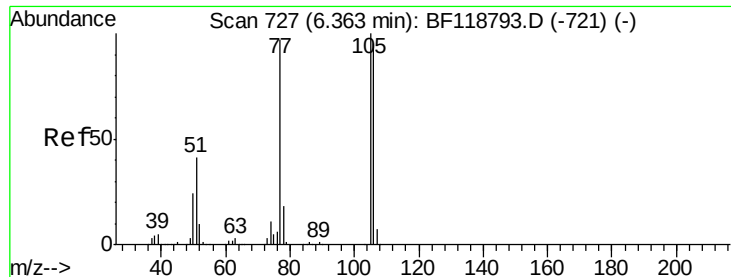
Ion Ratio Lower Upper

128 100

130 33.5 13.1 53.1

64 43.5 23.0 63.0





#9

Benzaldehyde

Concen: 38.883 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

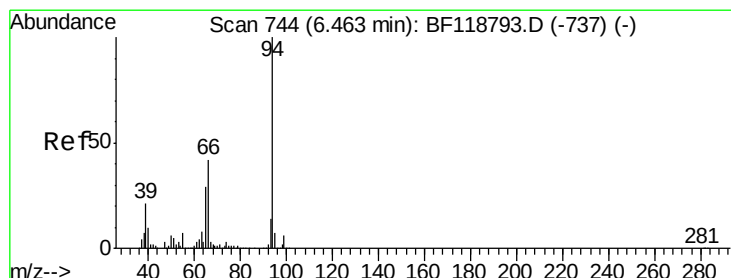
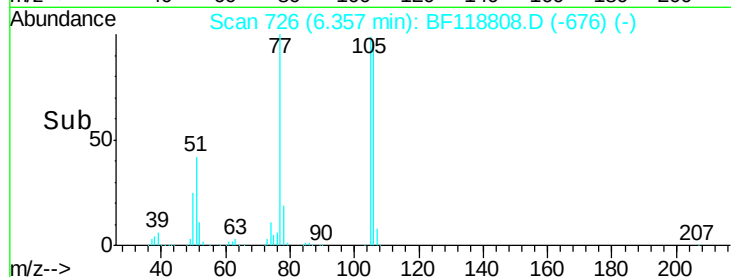
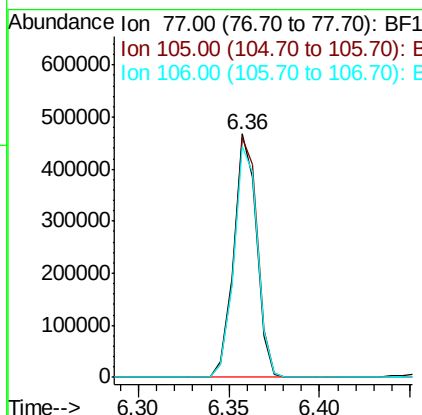
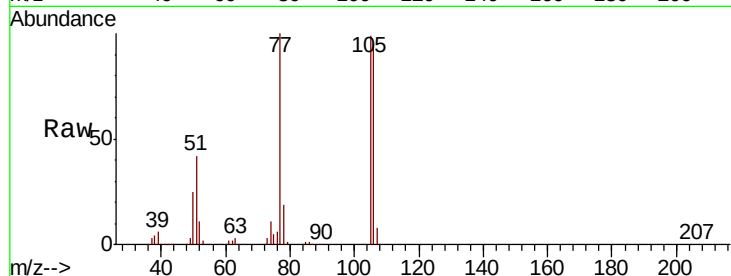
ClientSampleId :

TP-1MSD

Tot Ion:	77	Resp:	411785
Ion	Ratio	Lower	Upper
77	100		
105	98.5	82.8	122.8
106	94.9	78.1	118.1

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM



#10

Phenol

Concen: 51.543 ng

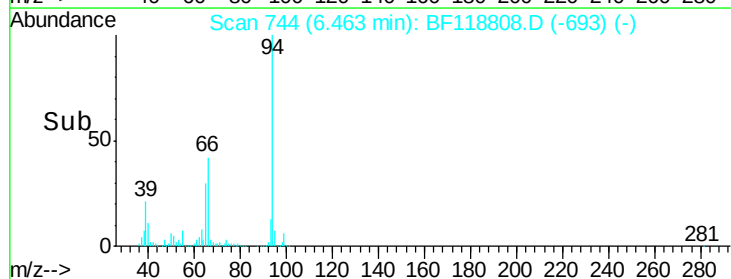
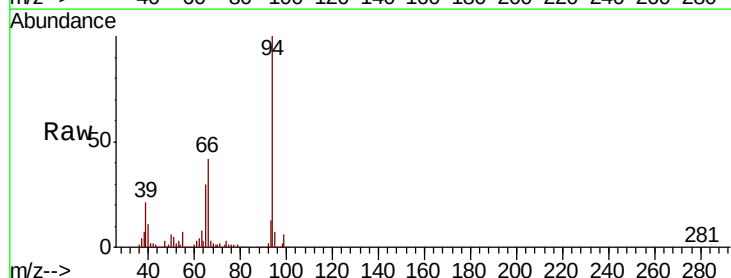
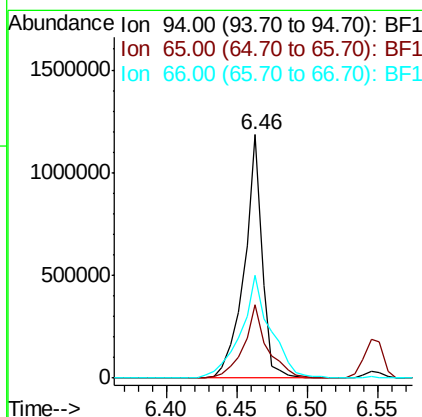
RT: 6.46 min Scan# 744

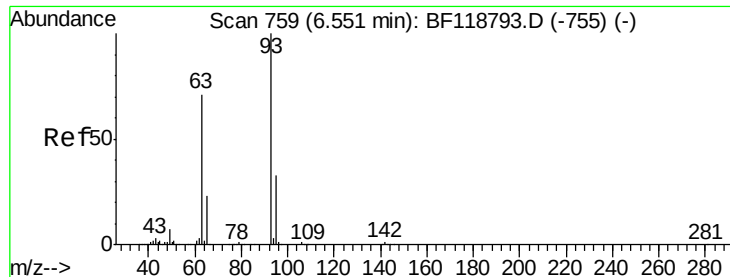
Delta R.T. 0.00 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Tgt Ion:	94	Resp:	1041983
Ion	Ratio	Lower	Upper
94	100		
65	29.9	9.1	49.1
66	42.5	21.7	61.7





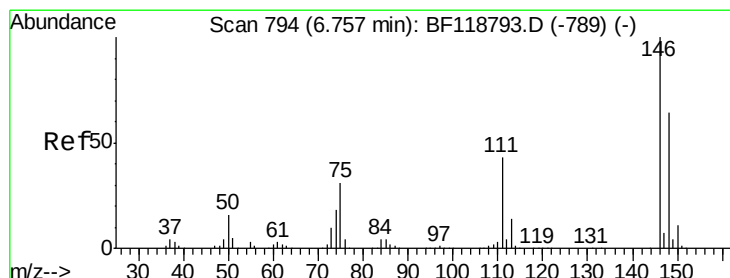
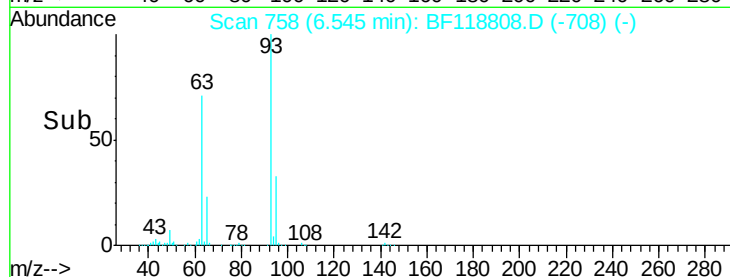
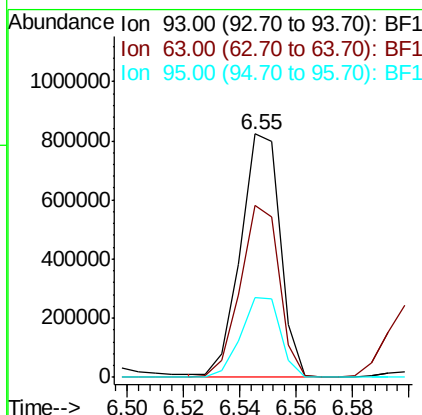
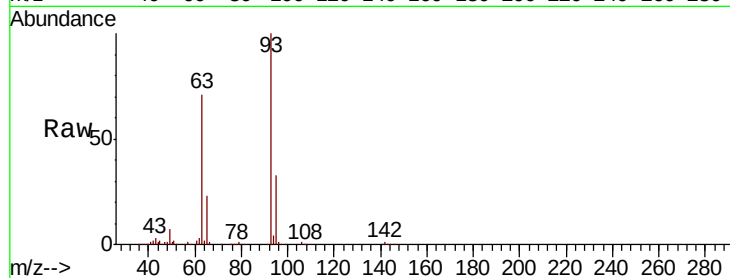
#11
bis(2-Chloroethyl)ether
Concen: 51.885 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	802466		
63	70.6		50.7	90.7
95	32.6		12.6	52.6

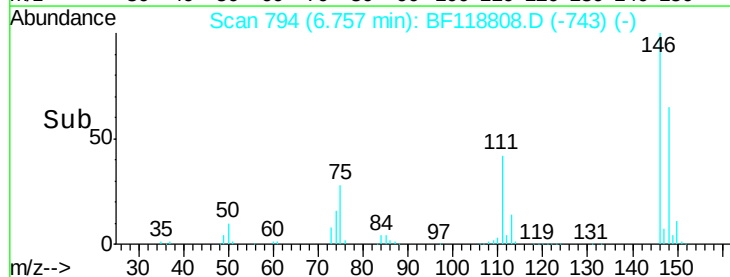
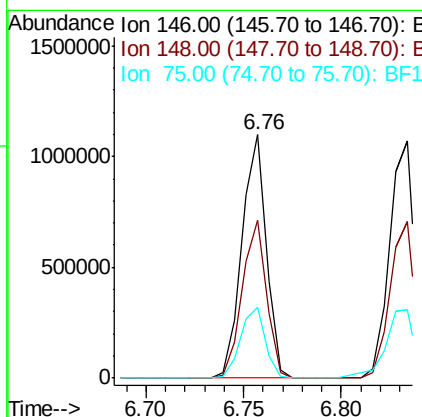
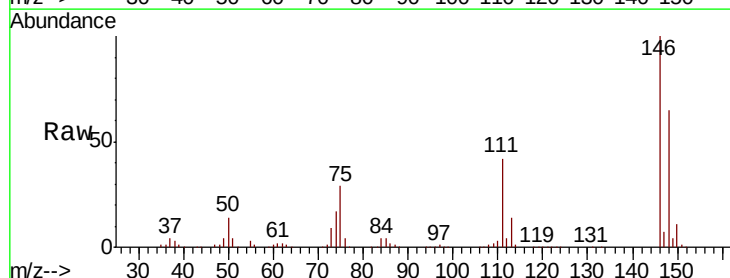
Manual Integrations
APPROVED

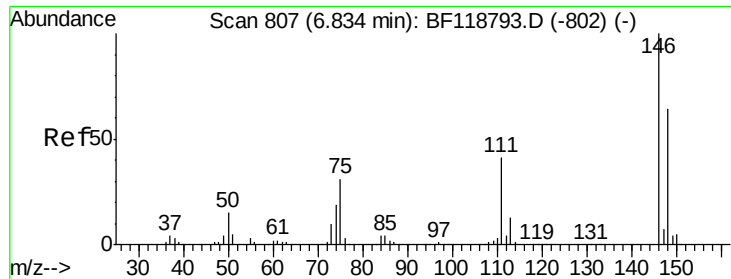
mohammad
2/6/2020 2:17:11 PM



#12
1,3-Dichlorobenzene
Concen: 48.838 ng
RT: 6.76 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	948330		
148	64.7		51.1	76.7
75	28.9		25.0	37.4





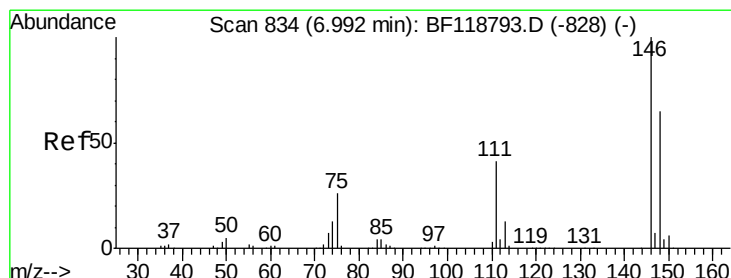
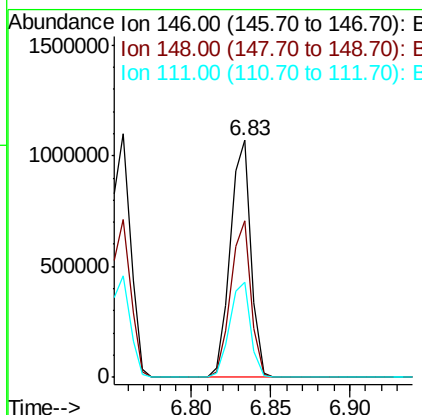
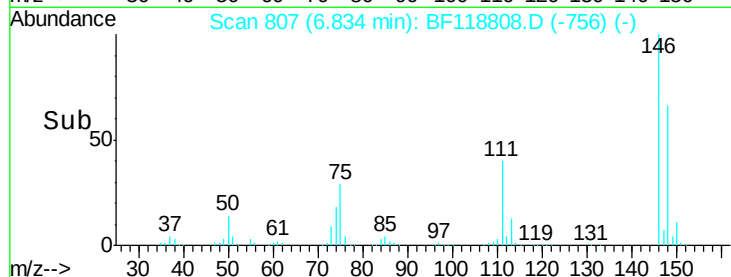
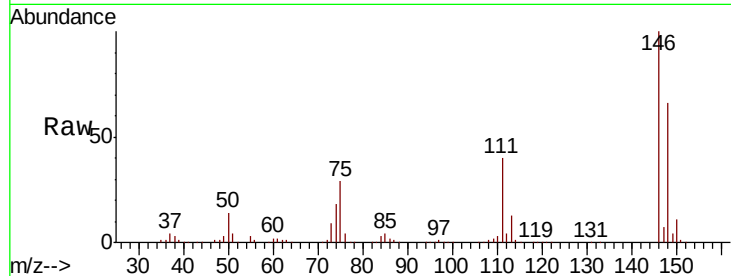
#13
 1,4-Dichlorobenzene
 Concen: 49.680 ng
 RT: 6.83 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: BF118808.D
 Acq: 4 Feb 2020 18:26

Instrument :
 BNA_F
 ClientSampled :
 TP-1MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.6	77.4
111	40.3	32.9	49.3

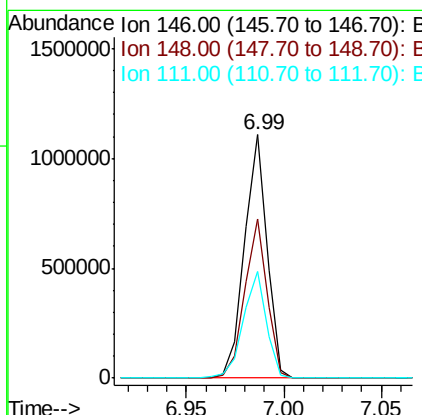
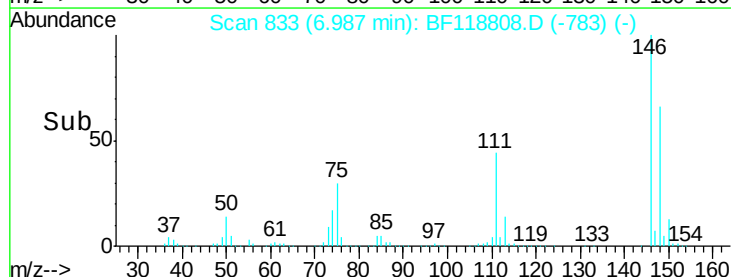
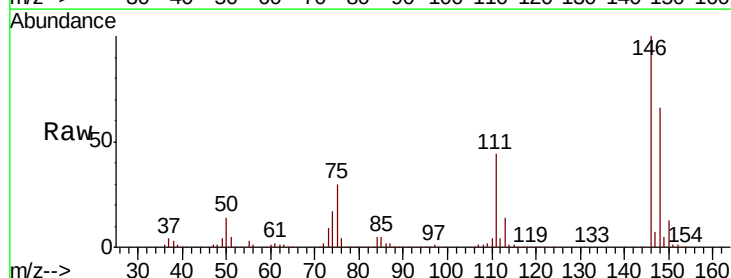
Manual Integrations
 APPROVED

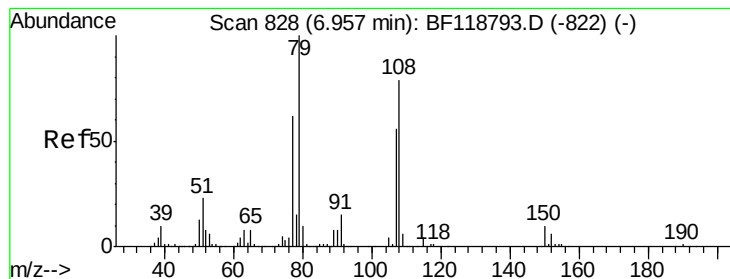
mohammad
 2/6/2020 2:17:11 PM



#14
 1,2-Dichlorobenzene
 Concen: 47.936 ng
 RT: 6.99 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF118808.D
 Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.6	51.6	77.4
111	43.7	32.7	49.1





#15

Benzyl Alcohol

Concen: 52.524 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

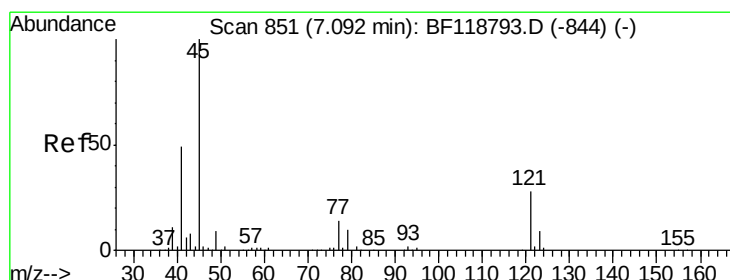
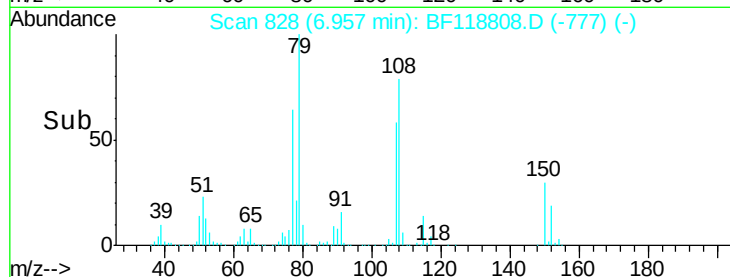
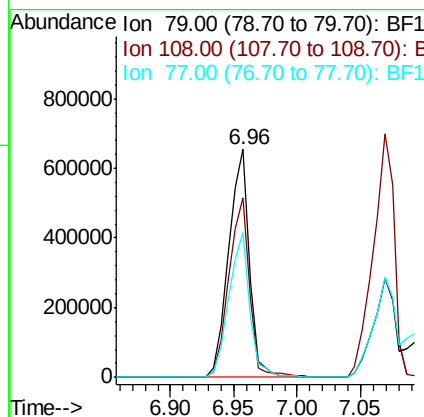
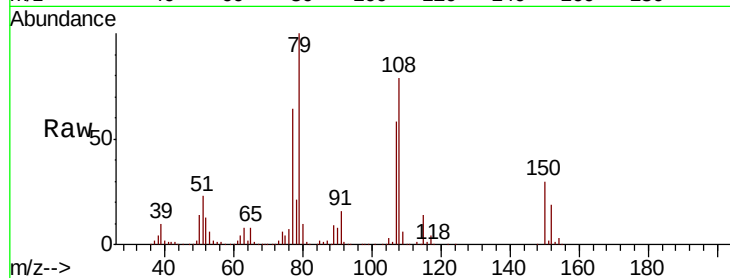
ClientSampleId :

TP-1MSD

Tot Ion:	79	Resp:	738139
Ion Ratio	Lower	Upper	
79	100		
108	78.9	62.9	94.3
77	63.9	50.0	75.0

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 49.019 ng

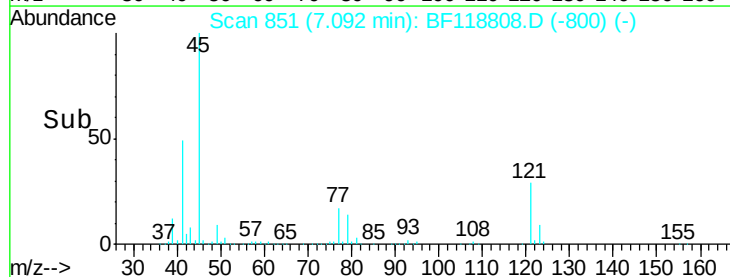
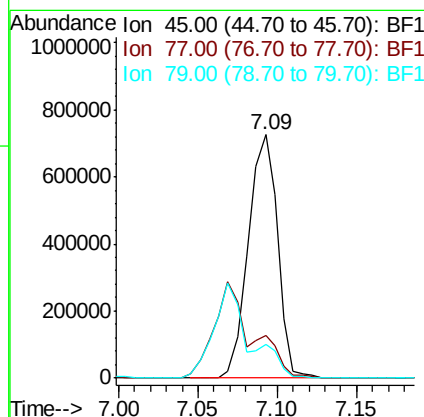
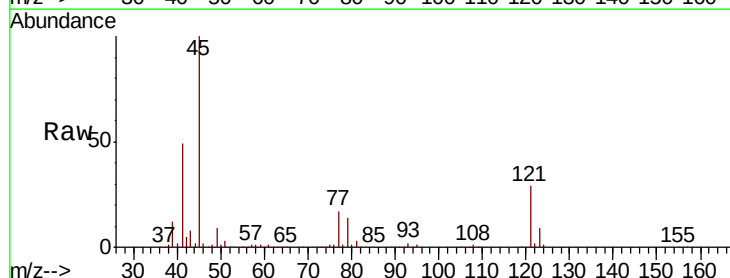
RT: 7.09 min Scan# 851

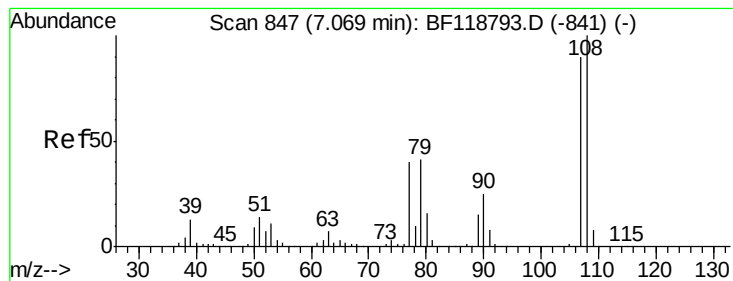
Delta R.T. 0.00 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Tgt Ion:	45	Resp:	928438
Ion Ratio	Lower	Upper	
45	100		
77	17.5	0.0	37.1
79	13.7	0.0	33.1





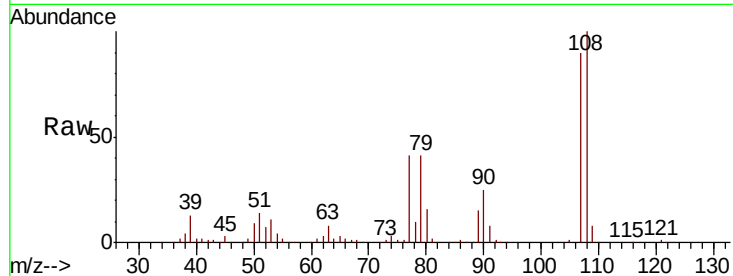
#17
2-Methylphenol
Concen: 53.175 ng
RT: 7.07 min Scan# 847
Delta R.T. 0.00 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	111.5	89.3	133.9
77	45.7	36.2	54.2
79	45.3	36.3	54.5

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM



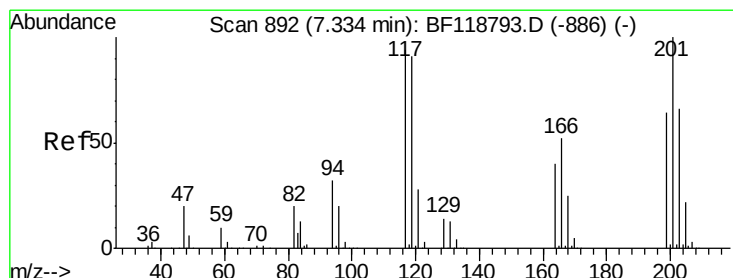
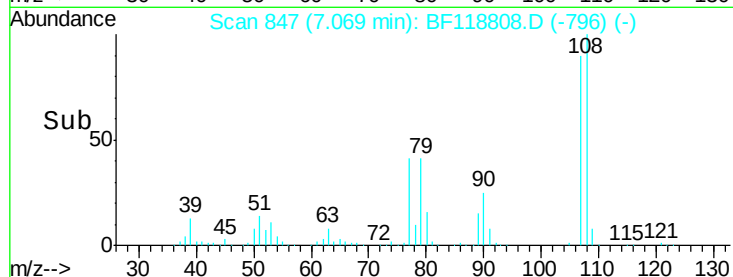
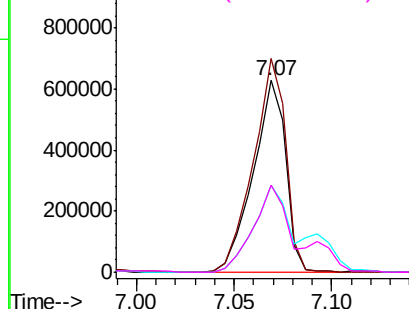
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

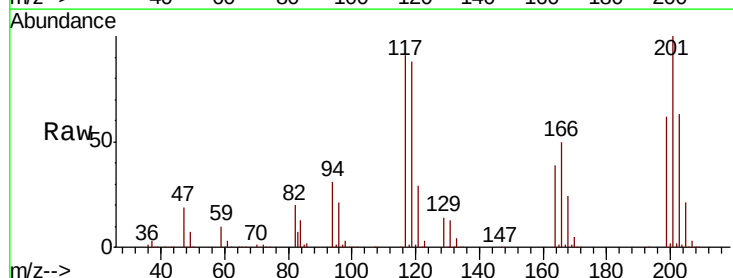
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 48.939 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.4	116.0
201	109.4	85.1	127.7

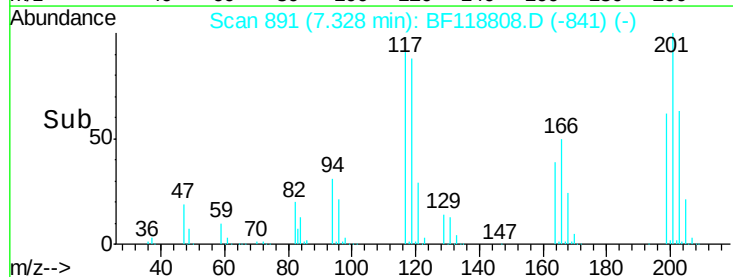
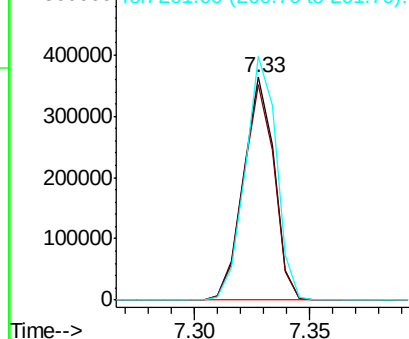


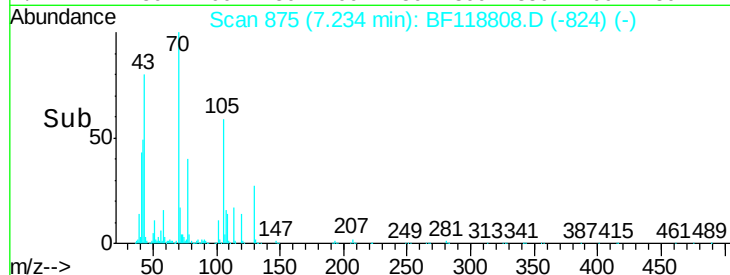
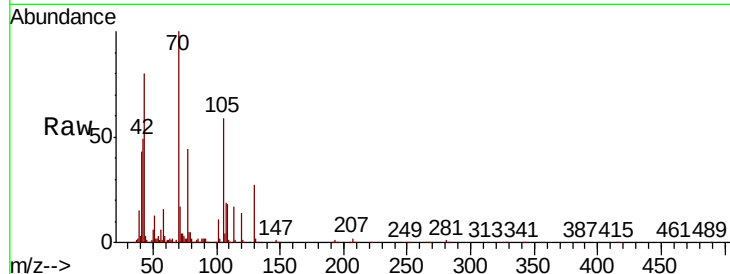
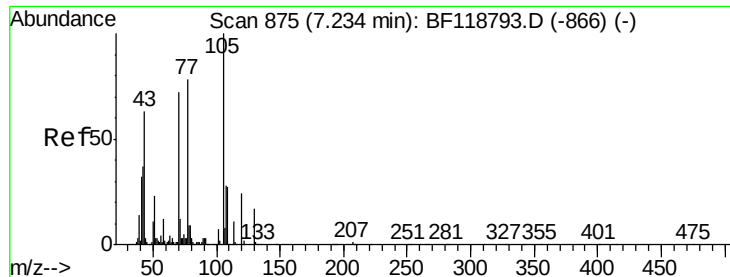
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





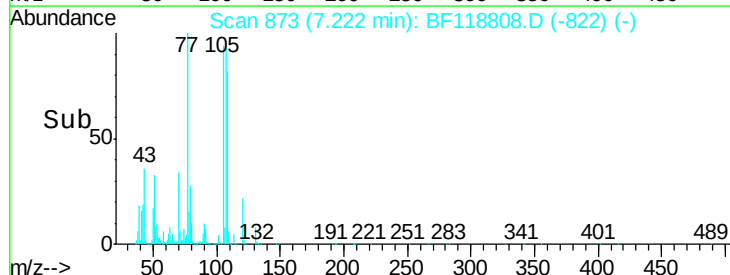
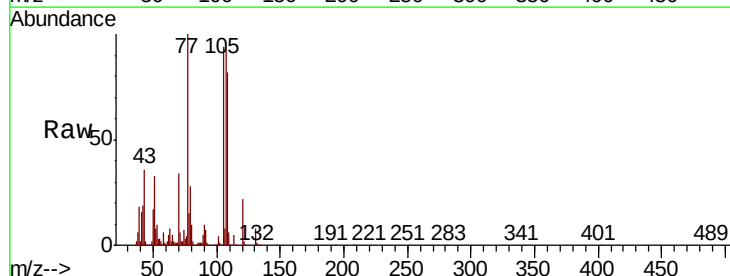
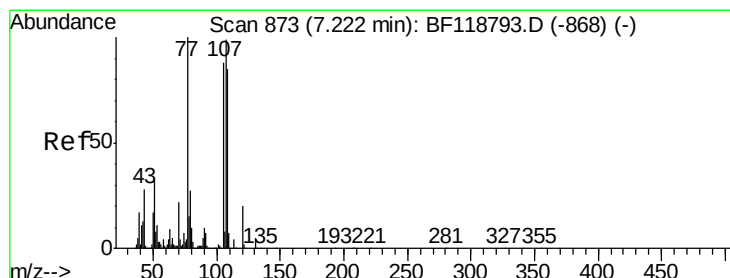
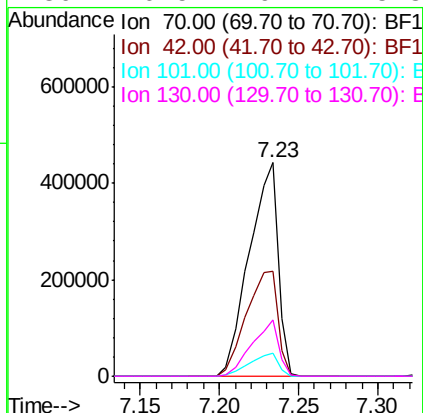
#19
n-Nitroso-di-n-propylamine
Concen: 50.708 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.00 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	49.4	41.5	62.3
101	10.8	8.3	12.5
130	26.5	19.2	28.8

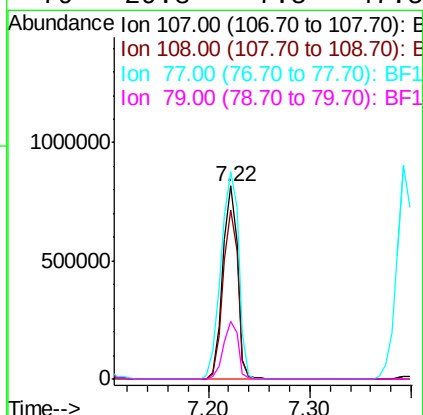
Manual Integrations
APPROVED

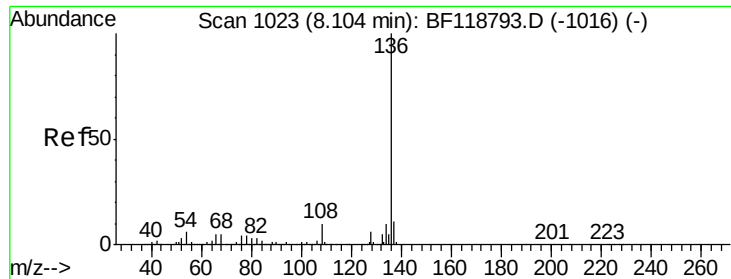
mohammad
2/6/2020 2:17:11 PM



#20
3+4-Methylphenols
Concen: 48.654 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.6	65.9	105.9
77	107.3	80.9	120.9
79	29.8	7.5	47.5





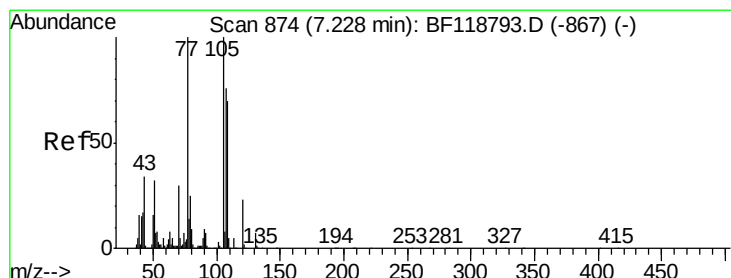
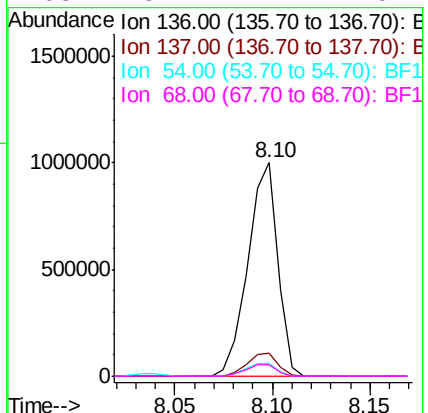
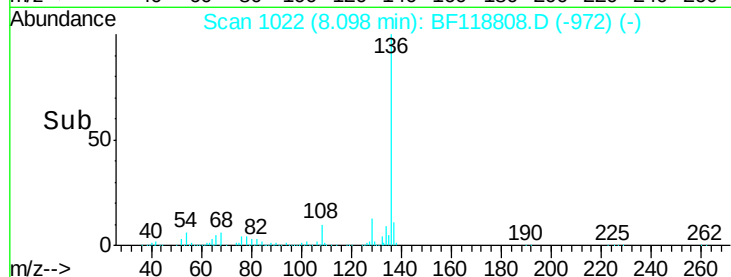
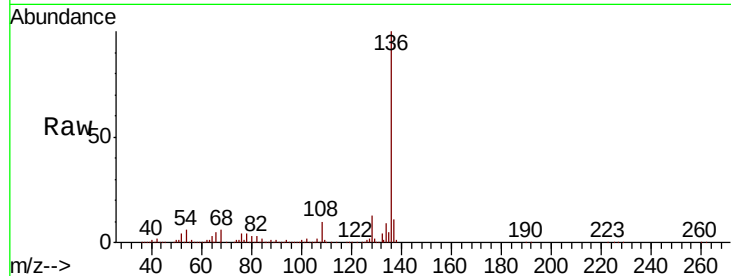
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	136	Resp	1058655
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.2	5.0	7.6
68	5.7	4.2	6.4

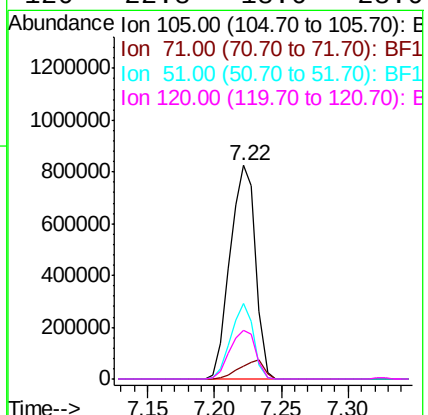
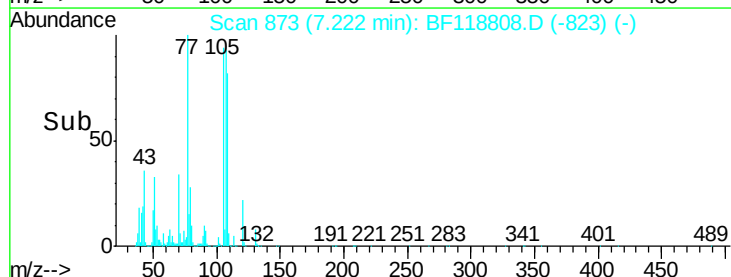
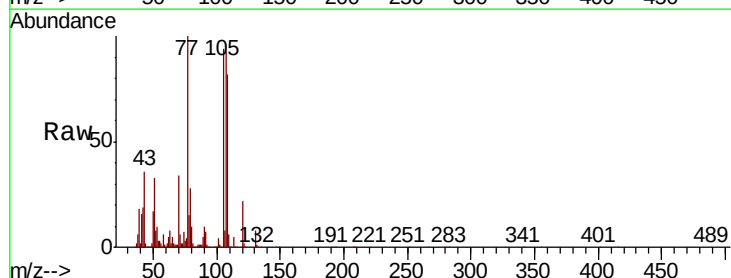
Manual Integrations
APPROVED

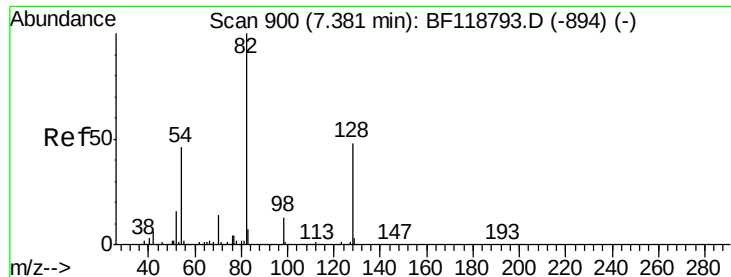
mohammad
2/6/2020 2:17:11 PM



#22
Acetophenone
Concen: 47.795 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	105	Resp	1099316
Ion	Ratio	Lower	Upper
105	100		
71	6.3	4.2	6.4
51	35.3	25.5	38.3
120	22.8	18.6	28.0





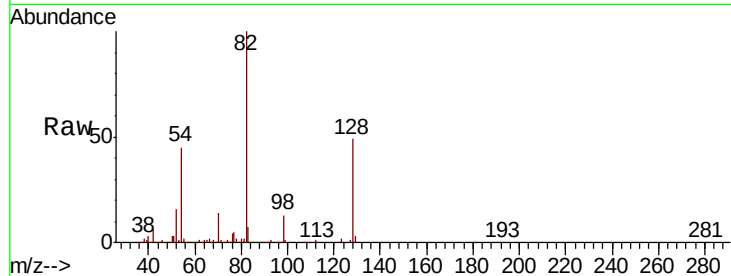
#23
Nitrobenzene-d5
Concen: 77.219 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

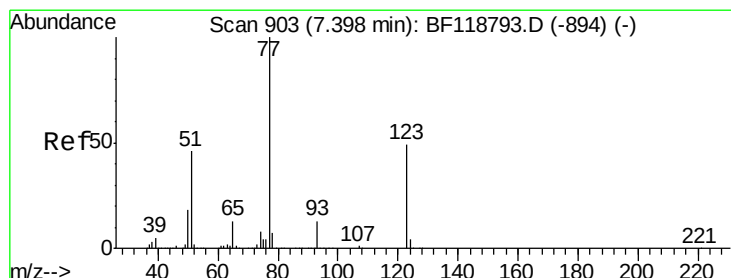
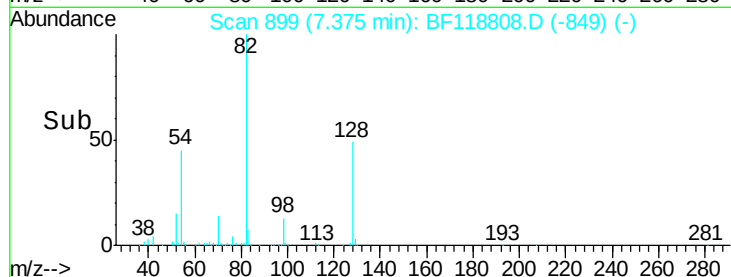
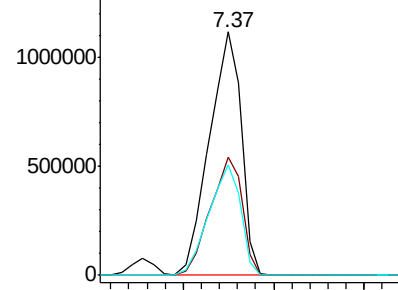
Tot Ion	Ratio	Lower	Upper
82	100		
128	48.6	38.5	57.7
54	45.3	36.7	55.1

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM

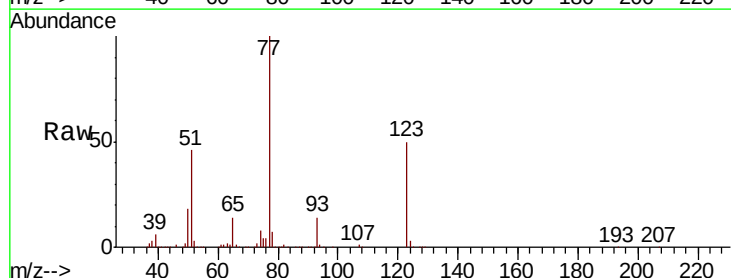


Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

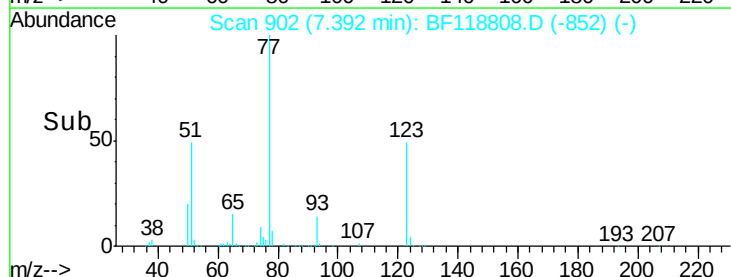
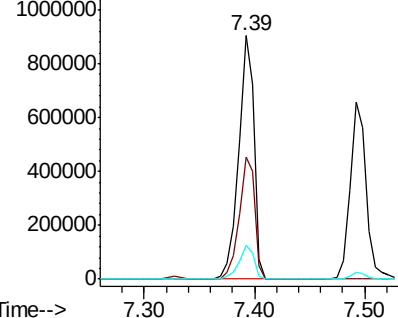


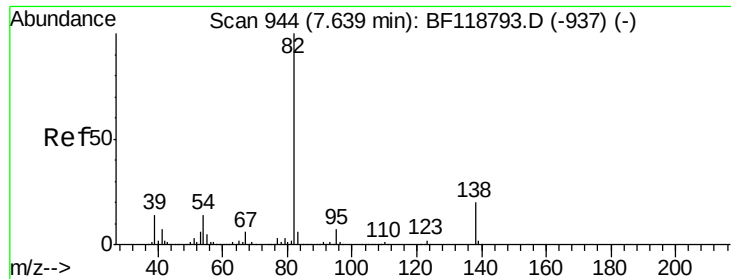
#24
Nitrobenzene
Concen: 49.834 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.9	39.0	58.4
65	13.8	10.6	15.8



Abundance Ion 77.00 (76.70 to 77.70): BF1
1200000
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 51.300 ng

RT: 7.64 min Scan# 944

Delta R.T. 0.00 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

Tot Ion: 82 Resp: 1637532

Ion Ratio Lower Upper

82 100

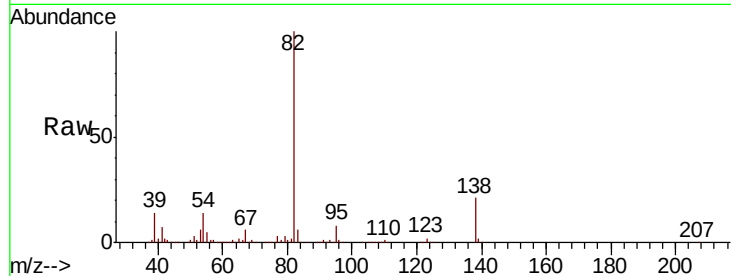
95 7.7 6.0 9.0

138 20.9 15.7 23.5

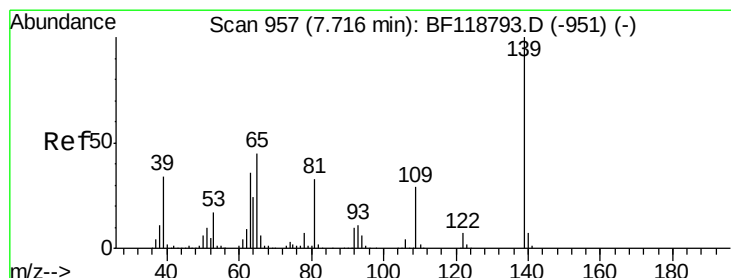
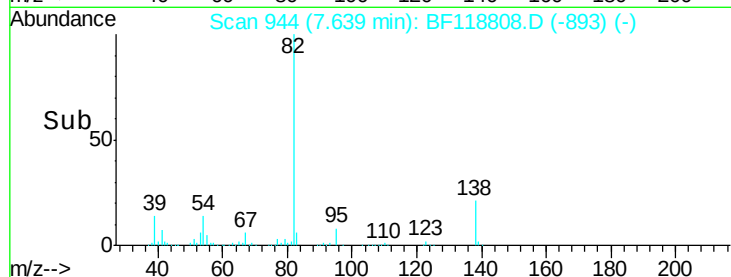
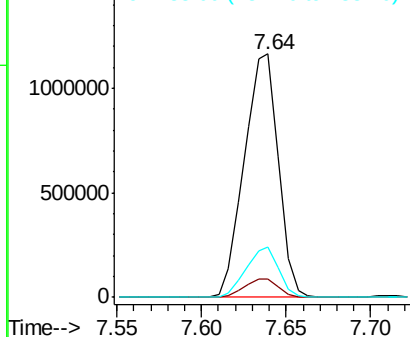
Manual Integrations
APPROVED

mohammad

2/6/2020 2:17:11 PM



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 52.489 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

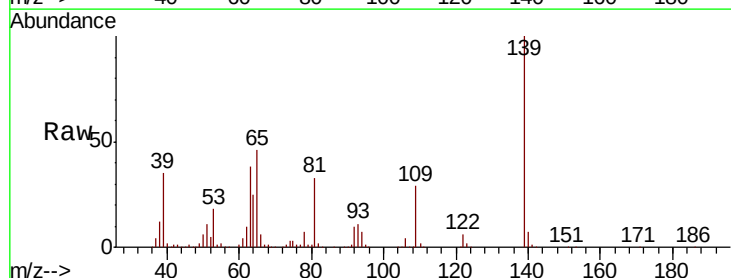
Tgt Ion: 139 Resp: 496273

Ion Ratio Lower Upper

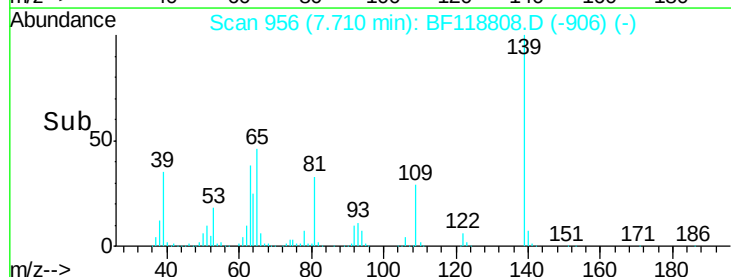
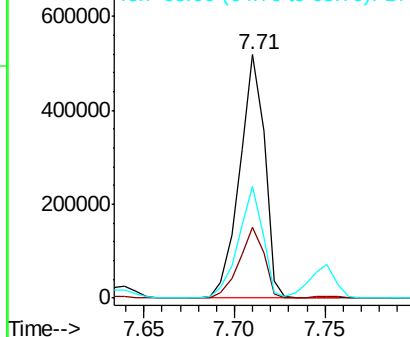
139 100

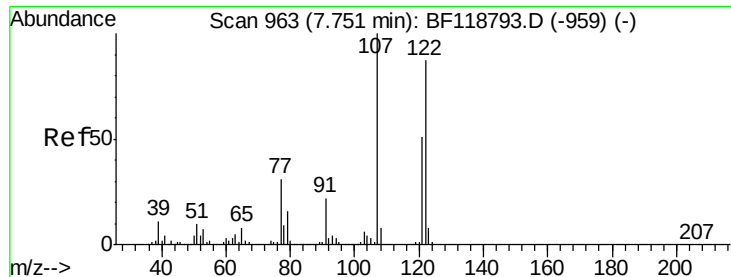
109 29.1 23.4 35.0

65 46.1 36.2 54.2



Abundance Ion 139.00 (138.70 to 139.70): BF1
Ion 109.00 (108.70 to 109.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





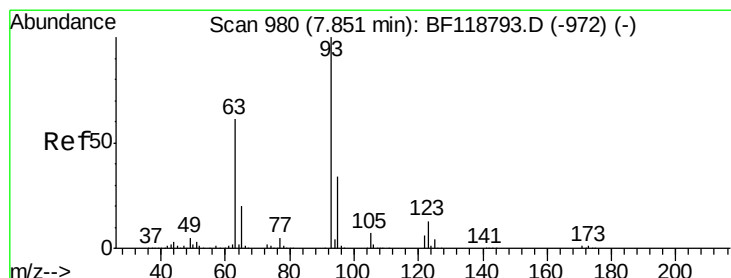
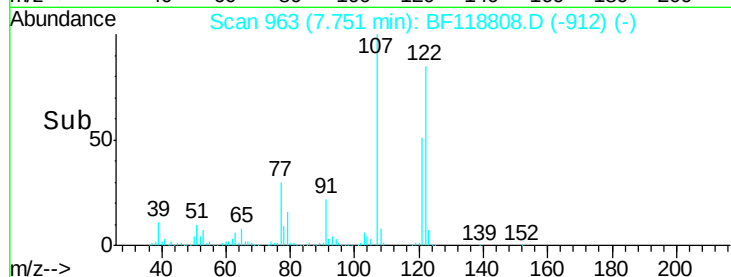
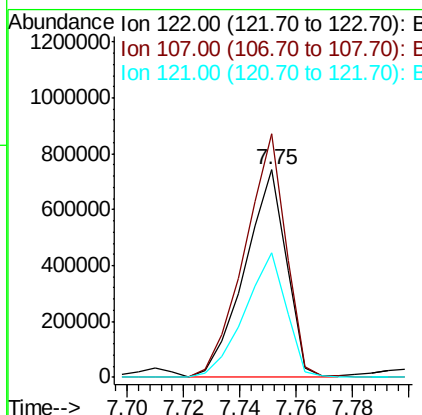
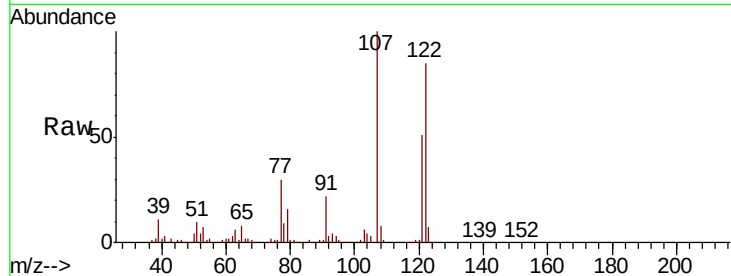
#27
2,4-Dimethylphenol
Concen: 59.564 ng
RT: 7.75 min Scan# 963
Delta R.T. 0.00 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampled :
TP-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	764997		
107	117.2	92.2	138.2	
121	59.8	46.8	70.2	

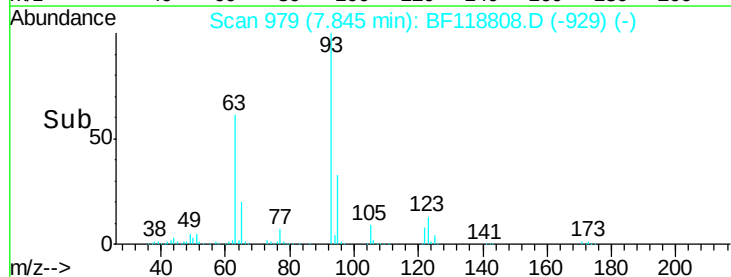
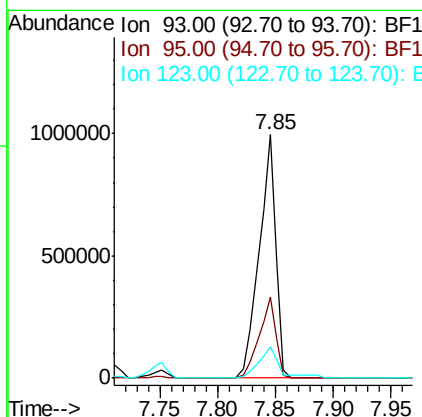
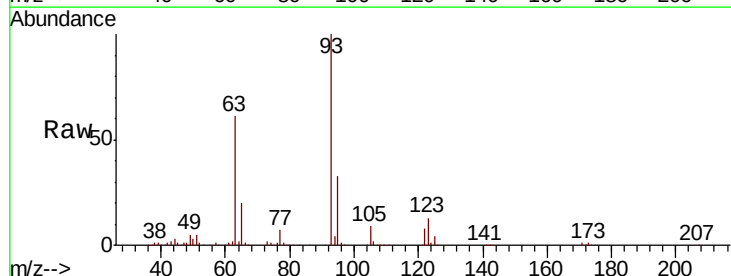
Manual Integrations
APPROVED

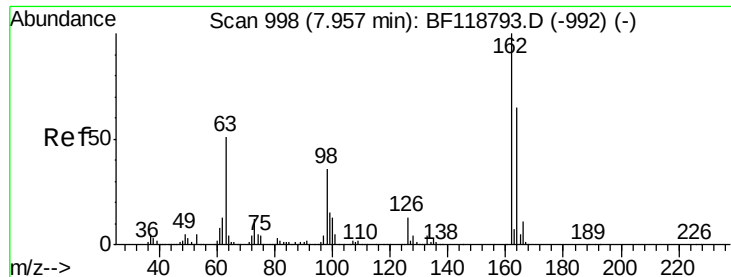
mohammad
2/6/2020 2:17:11 PM



#28
bis(2-Chloroethoxy)methane
Concen: 48.930 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	1012782		
95	33.3	27.0	40.4	
123	12.9	10.6	15.8	





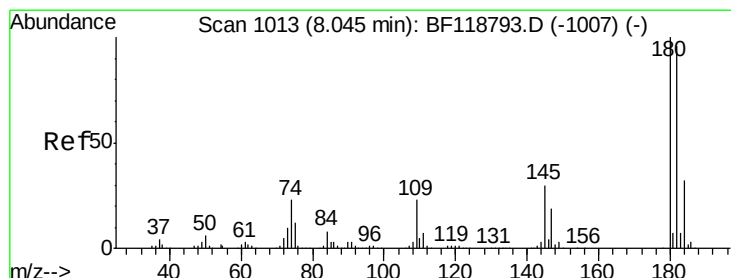
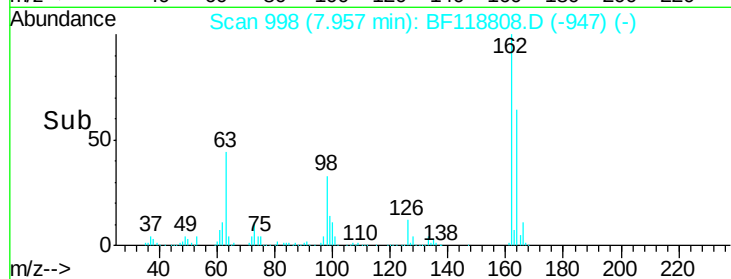
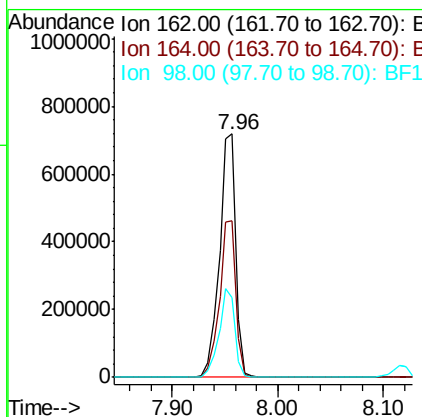
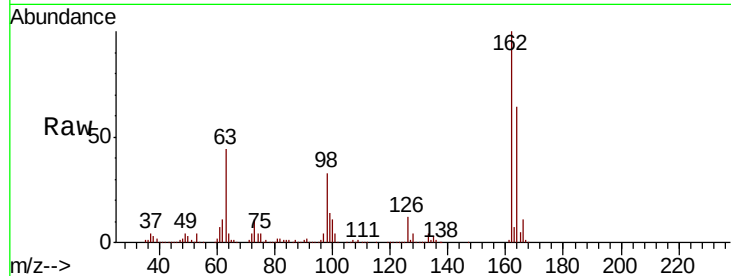
#29
2,4-Dichlorophenol
Concen: 50.974 ng
RT: 7.96 min Scan# 998
Delta R.T. 0.00 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
162	100		784036		
164	64.4	44.8	84.8		
98	32.8	16.4	56.4		

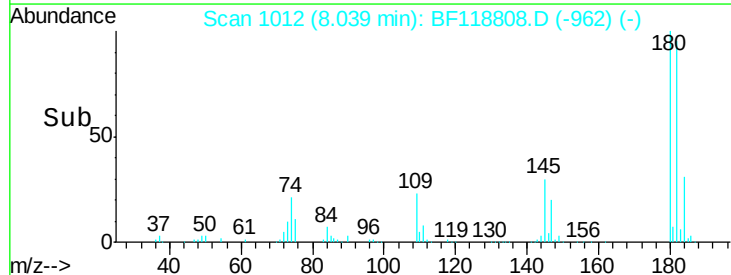
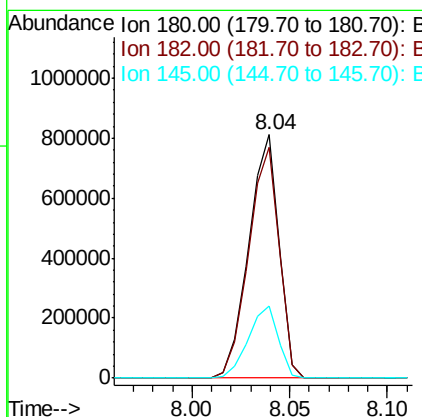
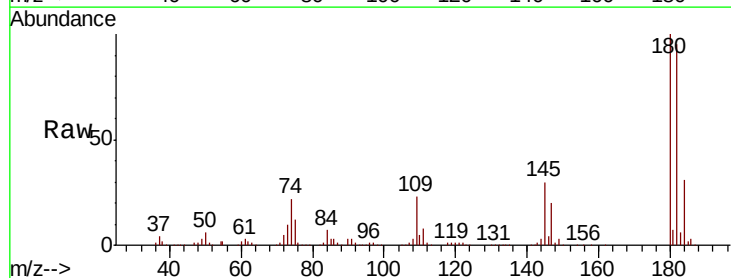
Manual Integrations
APPROVED

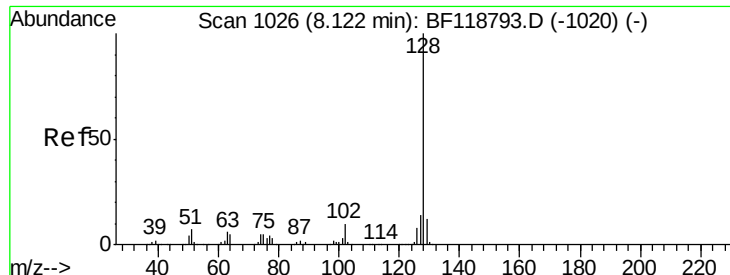
mohammad
2/6/2020 2:17:11 PM



#30
1,2,4-Trichlorobenzene
Concen: 48.164 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		865897		
182	94.9	76.6	115.0		
145	29.5	24.0	36.0		





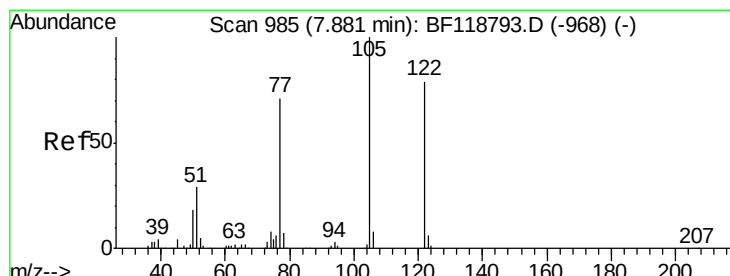
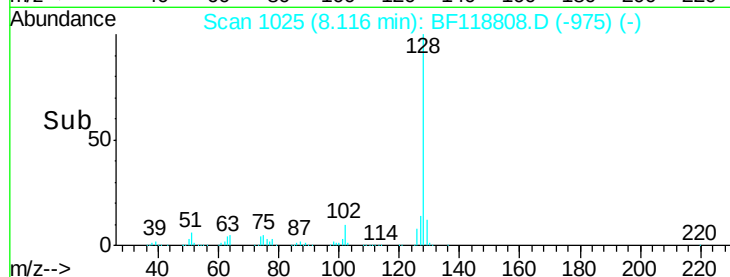
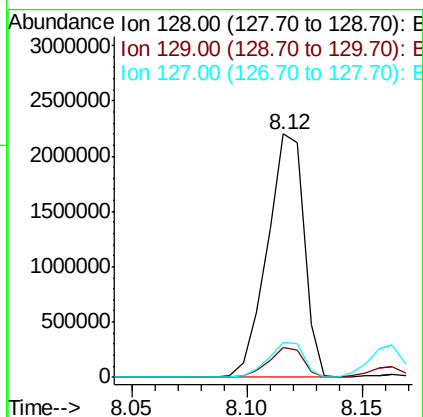
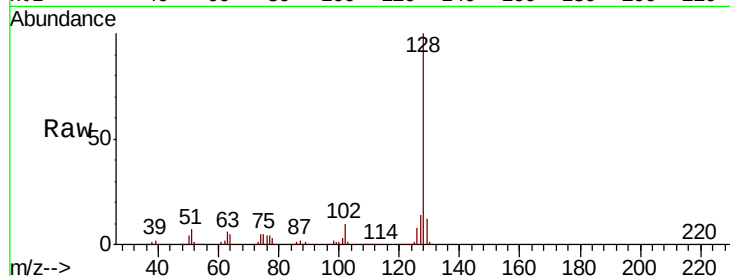
#31
Naphthalene
Concen: 50.237 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.4	14.2
127	14.1	11.3	16.9

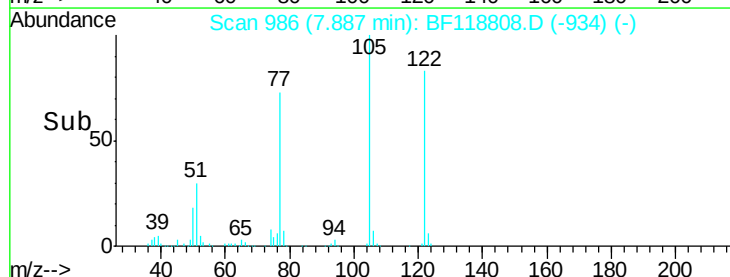
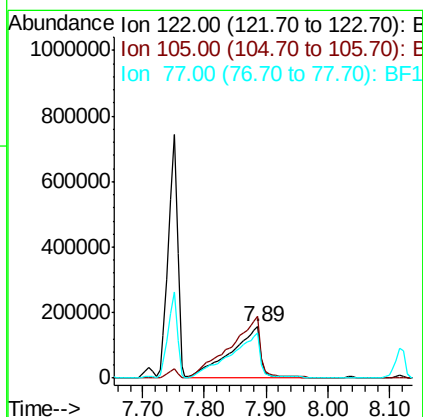
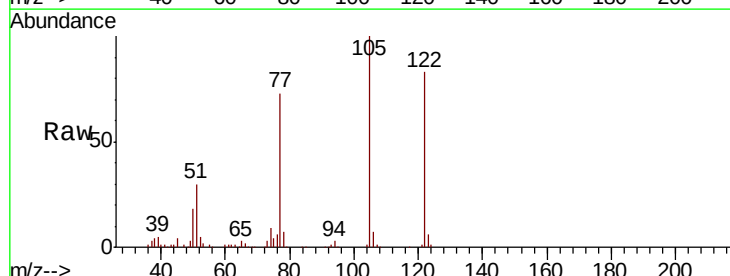
Manual Integrations
APPROVED

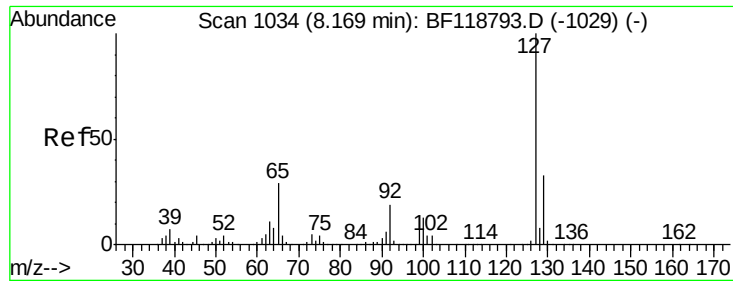
mohammad
2/6/2020 2:17:11 PM



#32
Benzoic acid
Concen: 49.945 ng
RT: 7.89 min Scan# 986
Delta R.T. 0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
122	100		
105	120.5	104.4	144.4
77	88.2	69.3	109.3





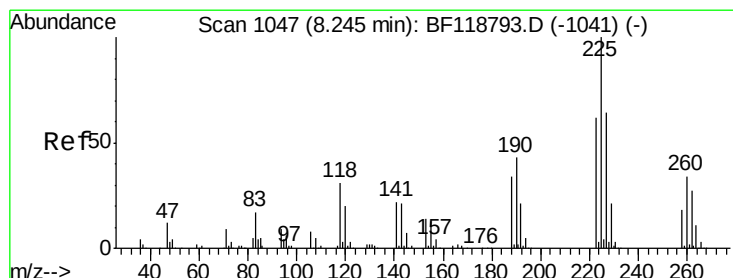
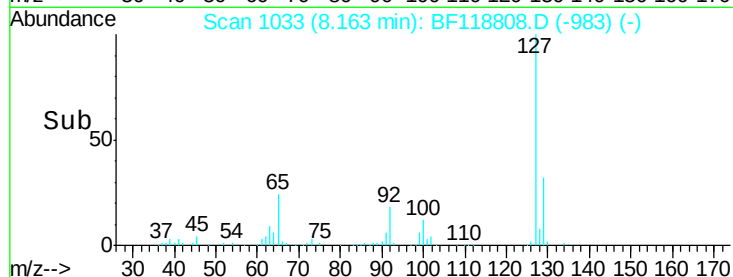
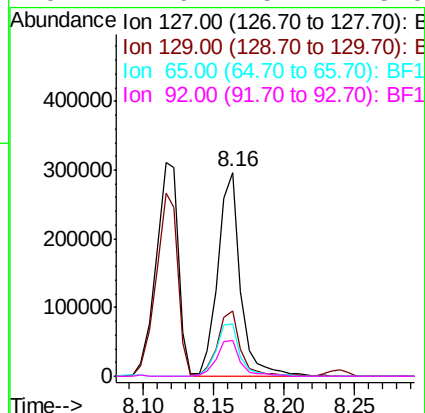
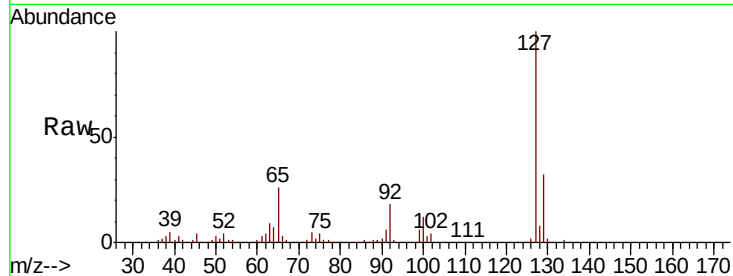
#33
4-Chloroaniline
Concen: 15.231 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.9	26.7	40.1		
65	25.9	22.9	34.3		
92	17.9	15.4	23.0		

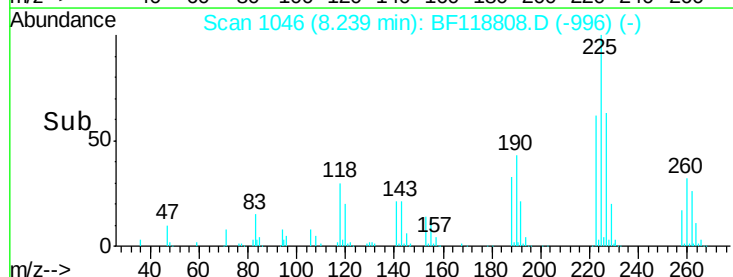
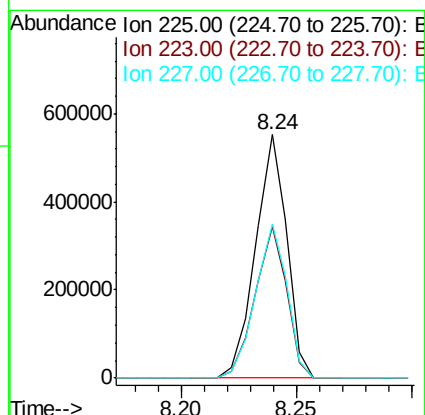
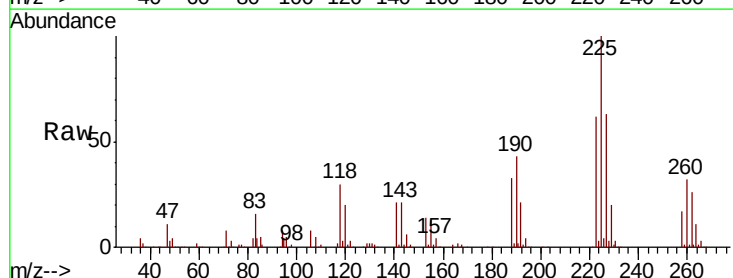
Manual Integrations
APPROVED

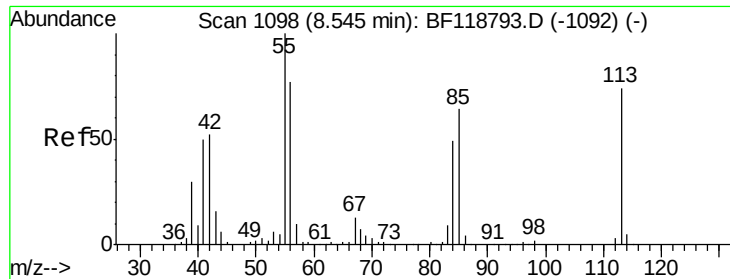
mohammad
2/6/2020 2:17:11 PM



#34
Hexachlorobutadiene
Concen: 47.421 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.9	49.8	74.8		
227	63.5	51.0	76.4		





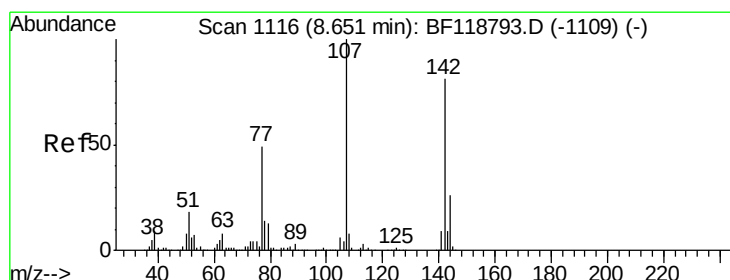
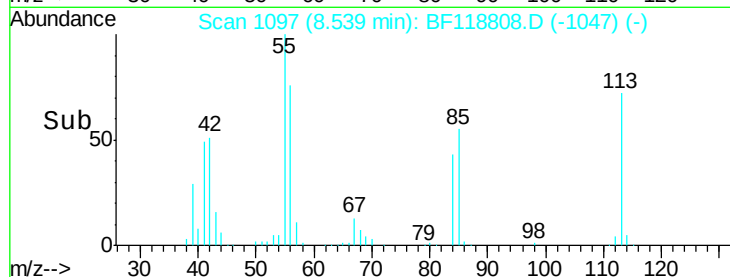
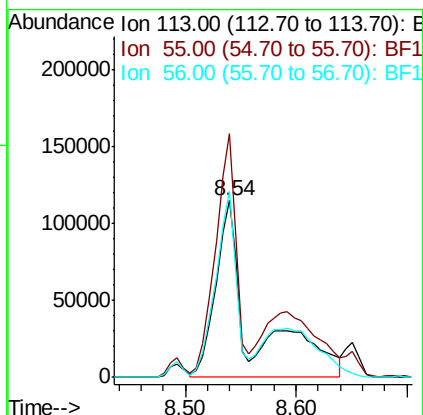
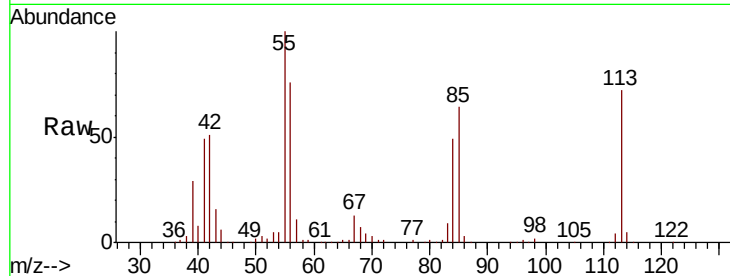
#35
Caprolactam
Concen: 52.585 ng/ml
RT: 8.54 min Scan# 1097
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	138.0	115.5	155.5
56	105.1	83.7	123.7

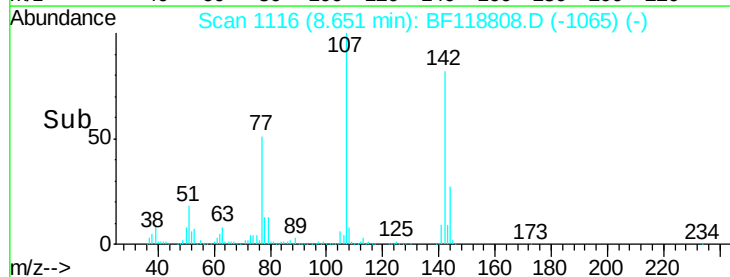
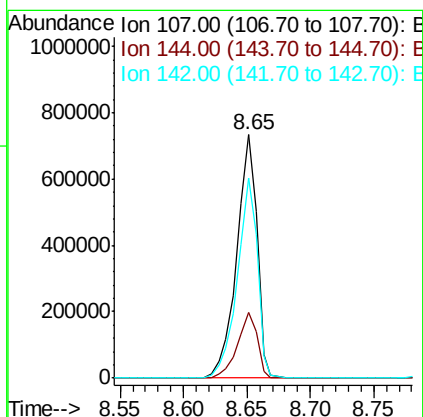
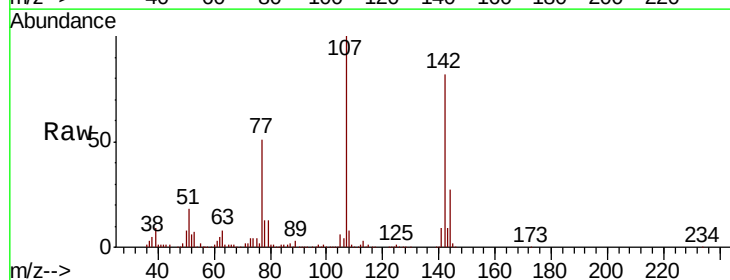
Manual Integrations
APPROVED

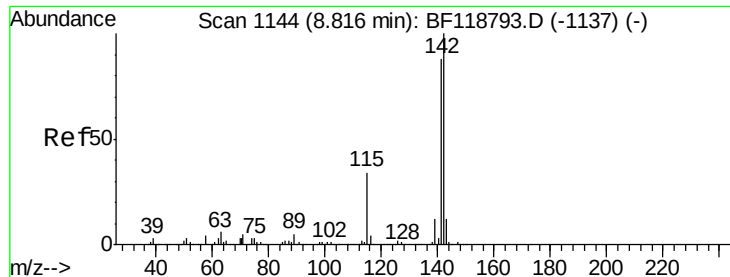
mohammad
2/6/2020 2:17:11 PM



#36
4-Chloro-3-methylphenol
Concen: 52.151 ng/ml
RT: 8.65 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.0	31.6
142	82.0	64.8	97.2





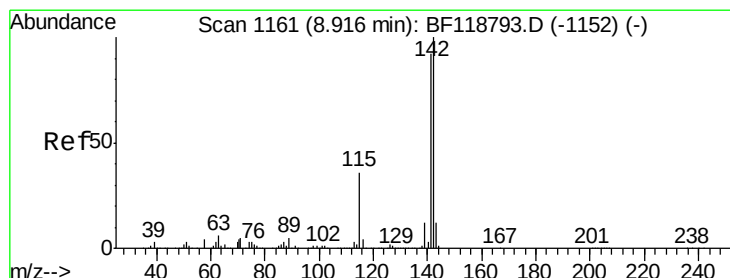
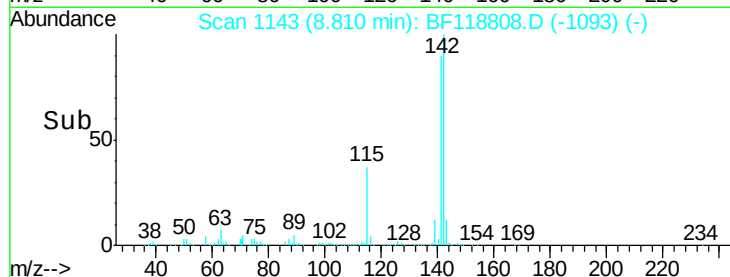
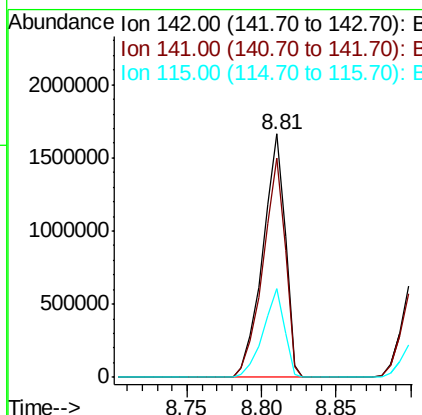
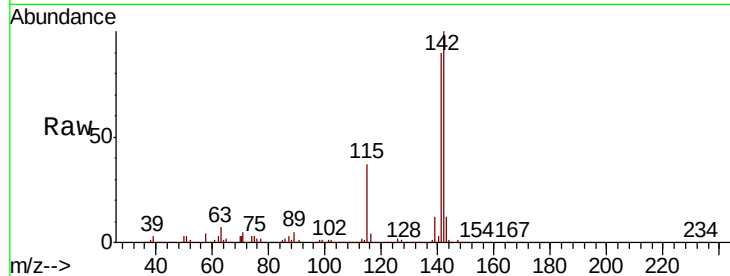
#37
2-Methylnaphthalene
Concen: 51.221 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion:142 Resp: 1720016
Ion Ratio Lower Upper
142 100
141 90.2 70.1 105.1
115 36.5 27.3 40.9

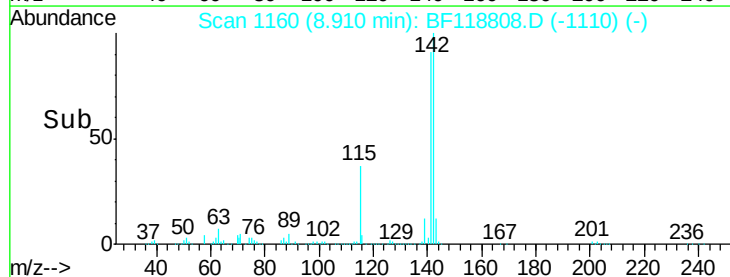
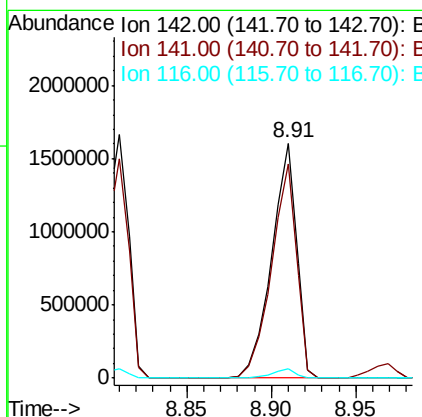
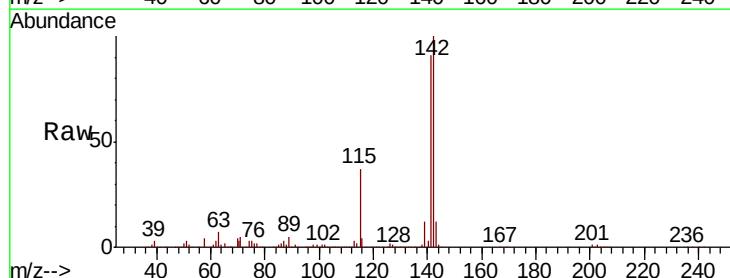
Manual Integrations
APPROVED

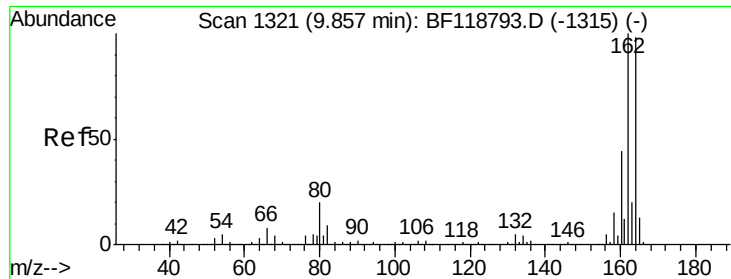
mohammad
2/6/2020 2:17:11 PM



#38
1-Methylnaphthalene
Concen: 51.962 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion:142 Resp: 1641474
Ion Ratio Lower Upper
142 100
141 91.1 73.8 110.6
116 3.9 3.0 4.4





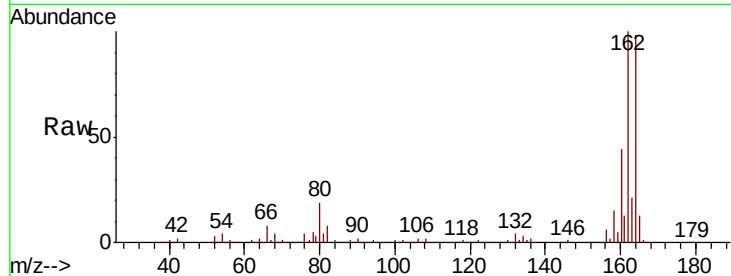
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.8	81.4	122.2	
160	44.3	35.6	53.4	

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM

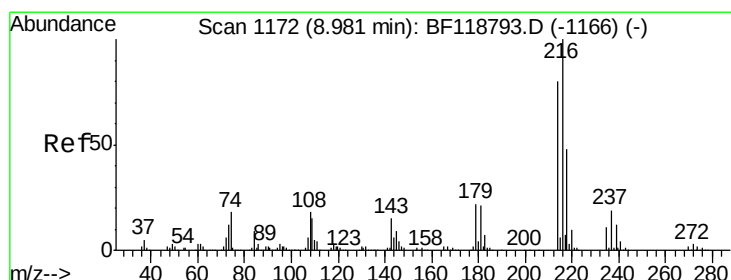
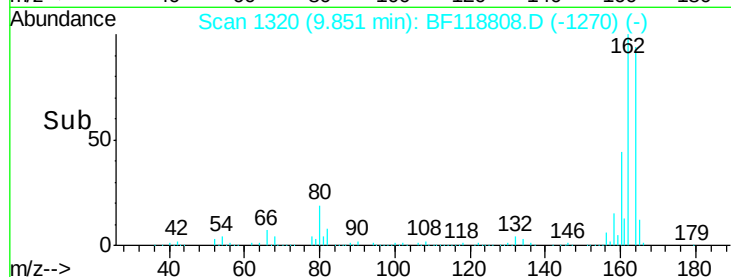
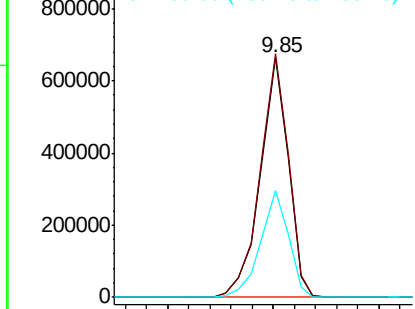


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.895 ng
RT: 8.98 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.2	63.0	94.4	
179	21.5	17.0	25.6	
108	19.0	13.5	20.3	

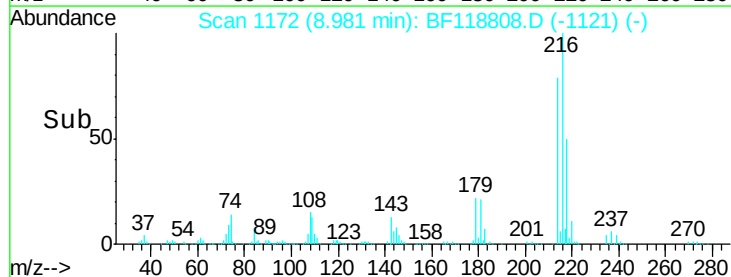
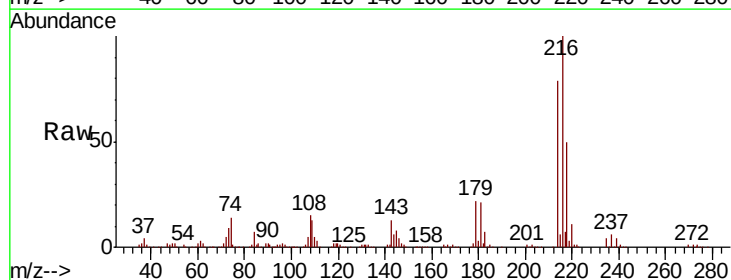
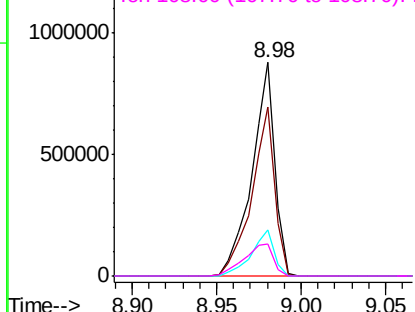
Abundance

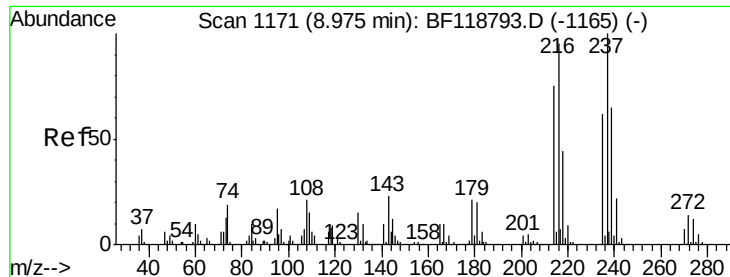
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 125.811 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

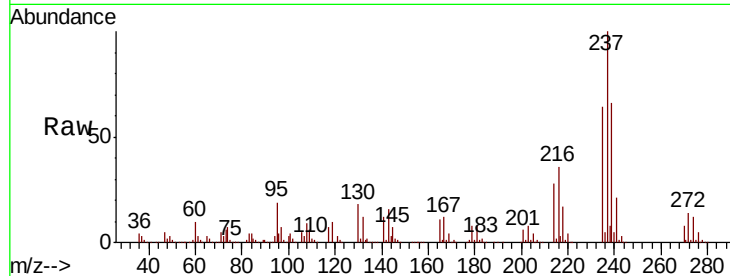
ClientSampleId :

TP-1MSD

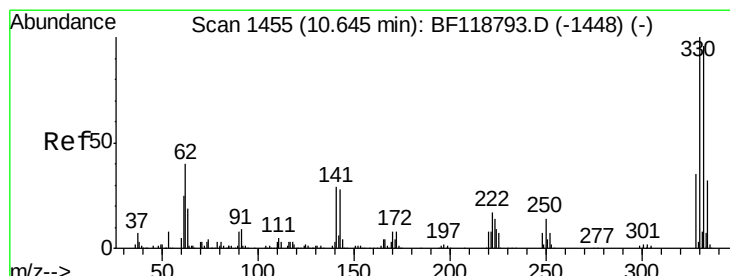
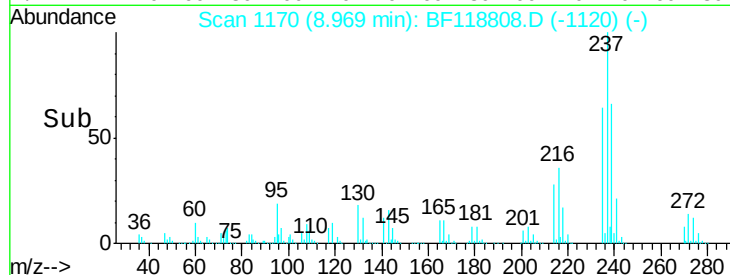
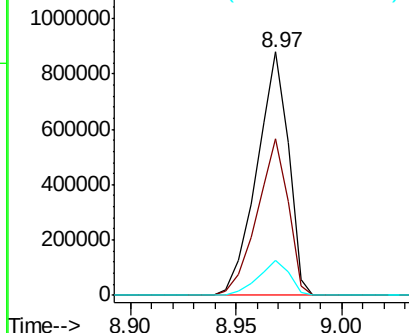
Tot Ion:	237	Resp:	917109
Ion Ratio	Lower	Upper	
237	100		
235	64.4	42.1	82.1
272	14.2	0.0	34.4

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 113.311 ng

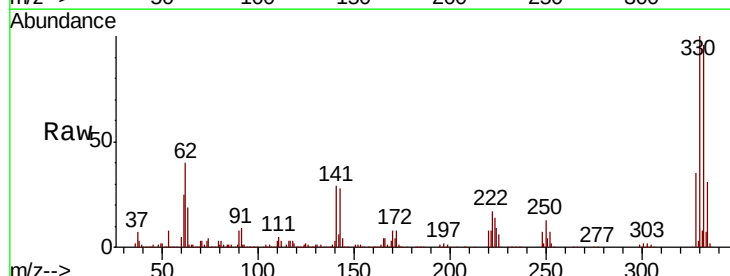
RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

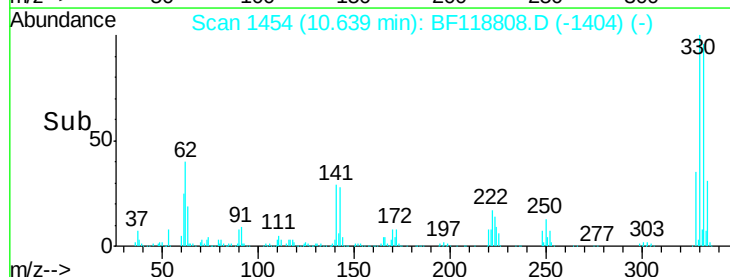
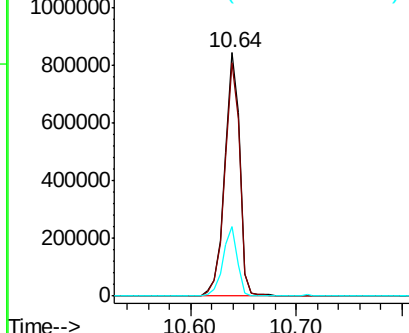
Lab File: BF118808.D

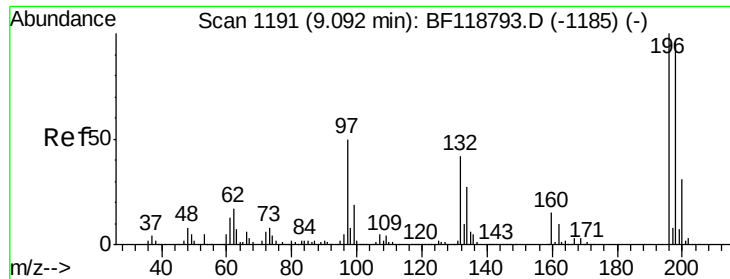
Acq: 4 Feb 2020 18:26

Tgt Ion:	330	Resp:	835130
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.3	115.9
141	28.0	22.4	33.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





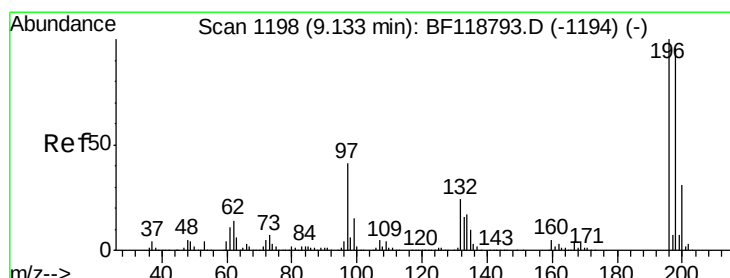
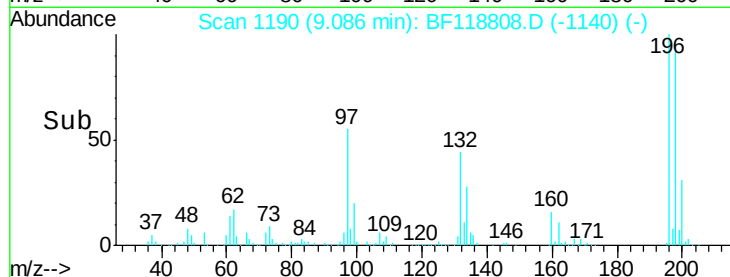
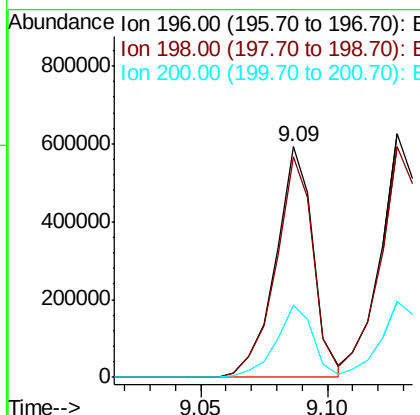
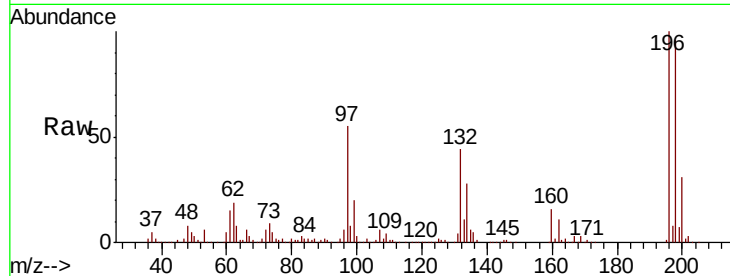
#43
 2,4,6-Trichlorophenol
 Concen: 49.146 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF118808.D
 Acq: 4 Feb 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MSD

Tot Ion:	196	Resp:	610954
Ion Ratio	Lower	Upper	
196	100		
198	95.9	76.7	115.1
200	31.3	24.9	37.3

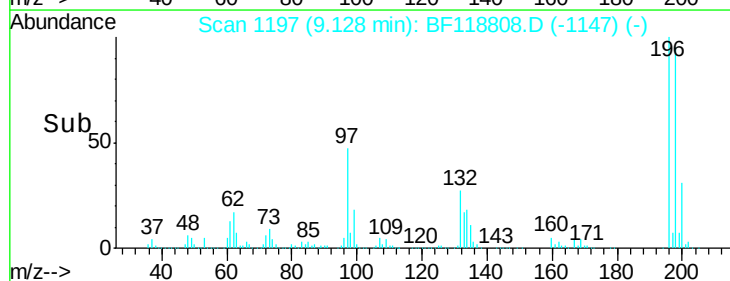
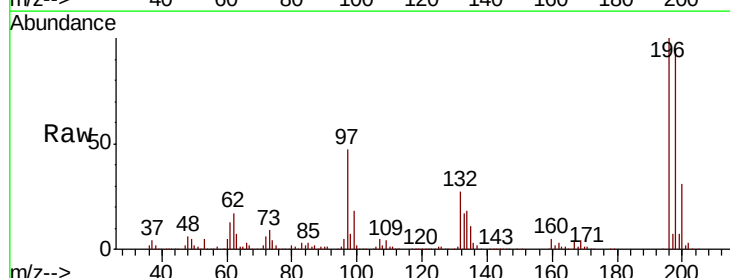
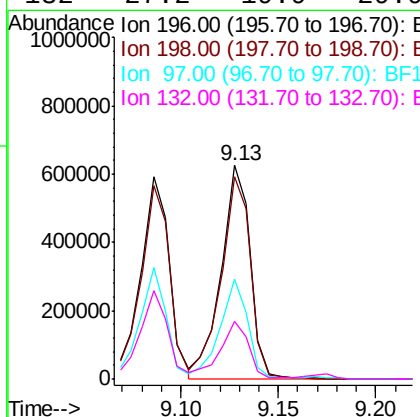
Manual Integrations
 APPROVED

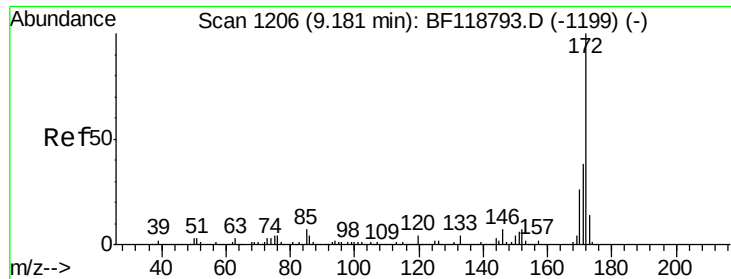
mohammad
 2/6/2020 2:17:11 PM



#44
 2,4,5-Trichlorophenol
 Concen: 50.666 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF118808.D
 Acq: 4 Feb 2020 18:26

Tgt Ion:	196	Resp:	643573
Ion Ratio	Lower	Upper	
196	100		
198	94.9	77.0	115.4
97	46.6	32.9	49.3
132	27.2	19.9	29.9





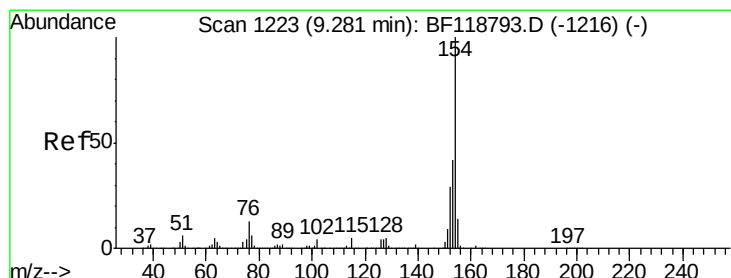
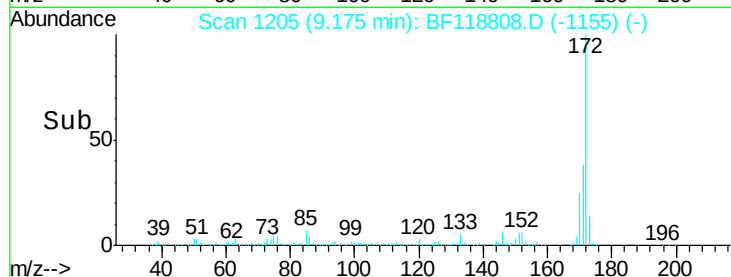
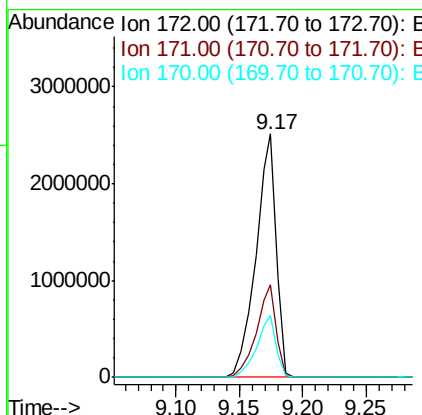
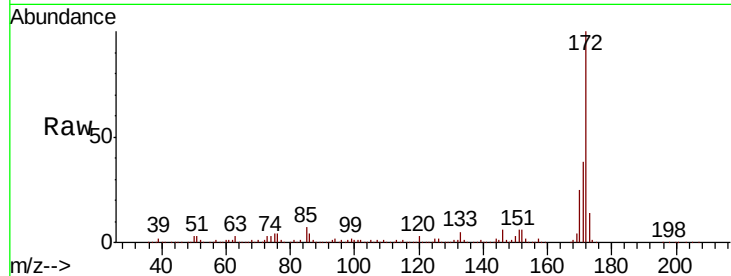
#45
2-Fluorobiphenyl
Concen: 81.815 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	30.8	46.2
170	25.3	20.5	30.7

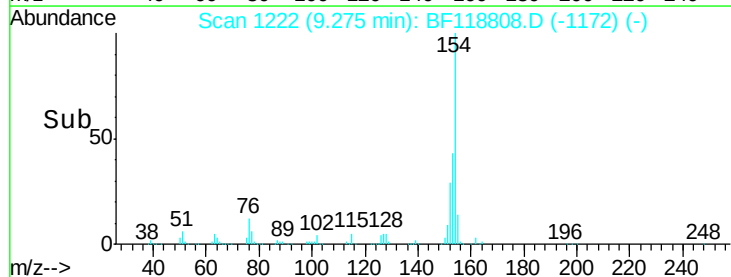
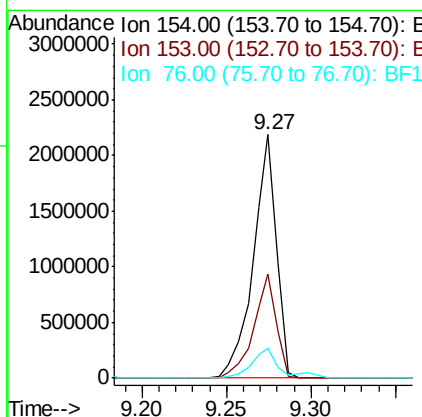
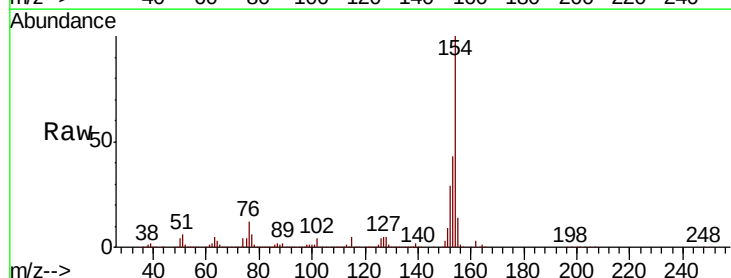
Manual Integrations
APPROVED

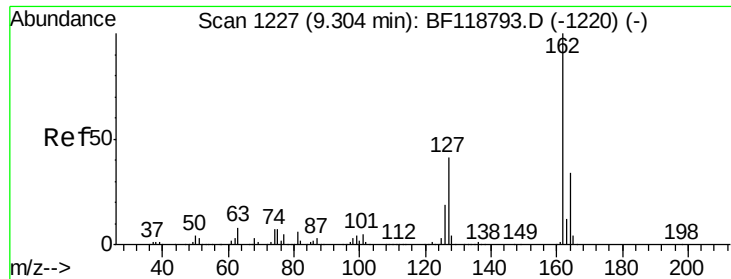
mohammad
2/6/2020 2:17:11 PM



#46
1,1'-Biphenyl
Concen: 49.257 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.7	22.4	62.4
76	12.3	0.0	32.7





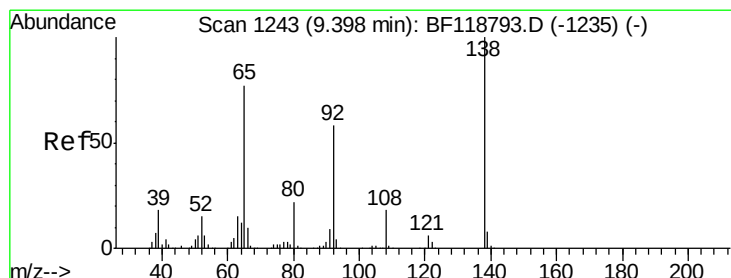
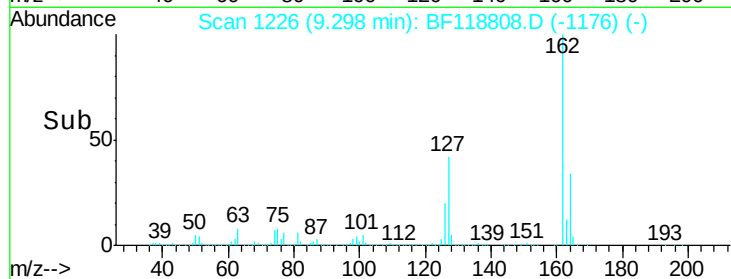
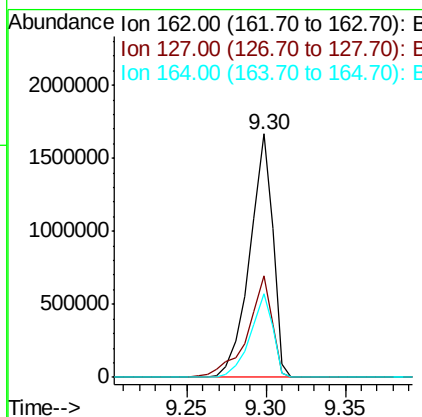
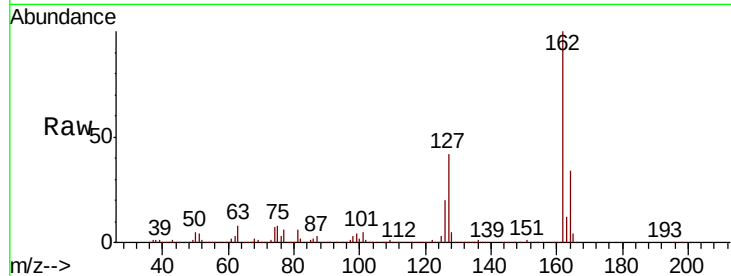
#47
 2-Chloronaphthalene
 Concen: 47.491 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF118808.D
 Acq: 4 Feb 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.9	33.3	49.9
164	34.3	27.1	40.7

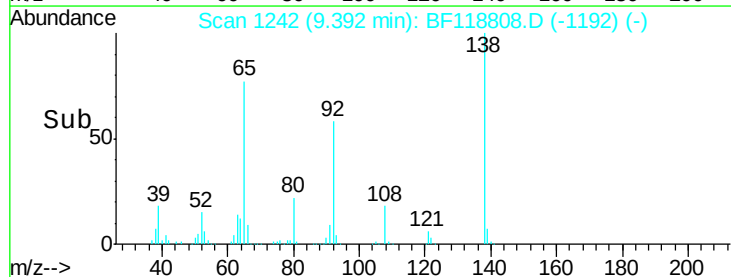
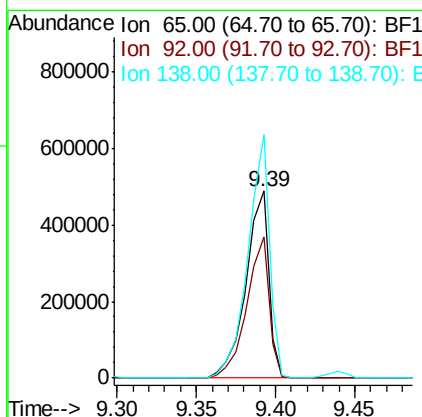
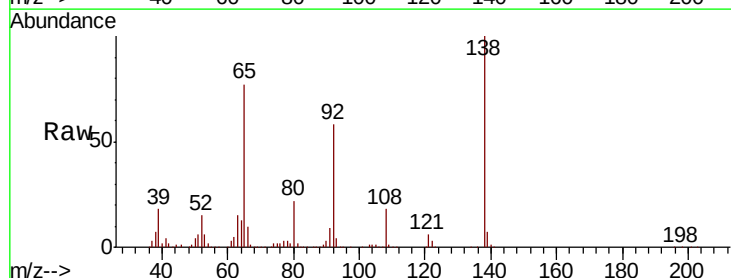
Manual Integrations
 APPROVED

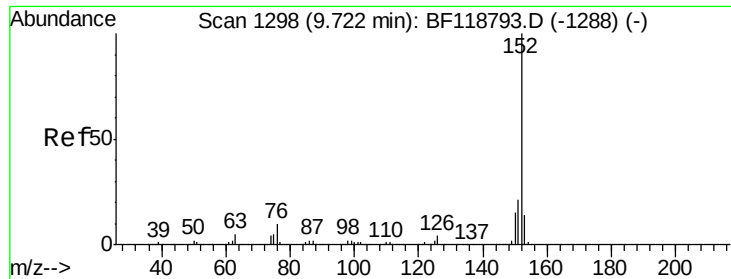
mohammad
 2/6/2020 2:17:11 PM



#48
 2-Nitroaniline
 Concen: 47.651 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF118808.D
 Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
65	100		
92	75.7	60.6	91.0
138	130.2	104.6	156.8





#49

Acenaphthylene

Concen: 50.937 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

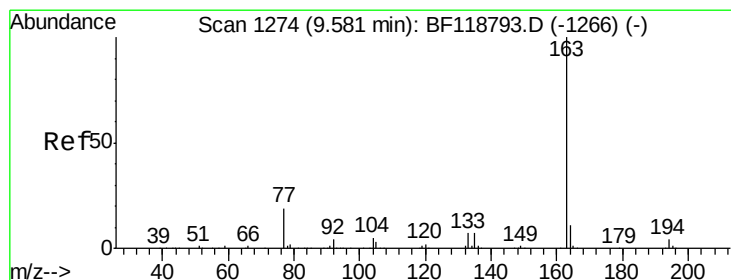
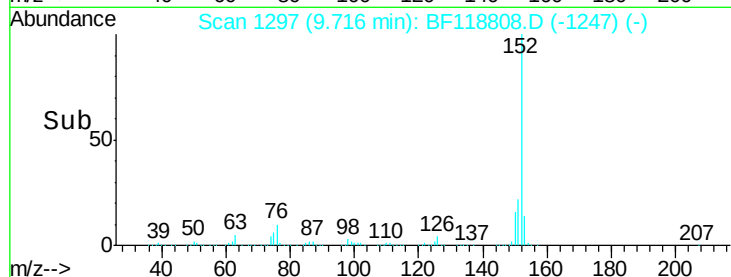
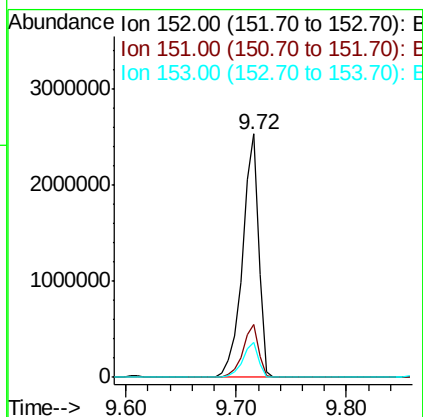
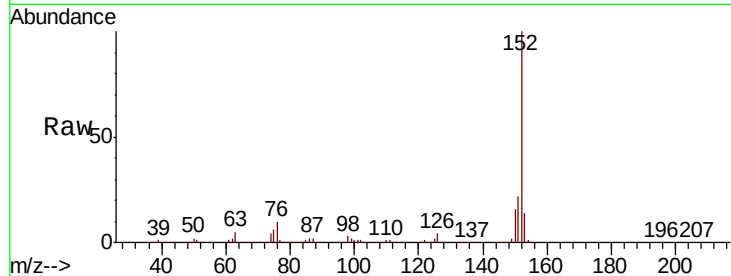
ClientSampleId :

TP-1MSD

Tot Ion:	152	Resp:	2605201
Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.1	25.7
153	14.1	11.0	16.4

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM



#50

Dimethylphthalate

Concen: 51.782 ng

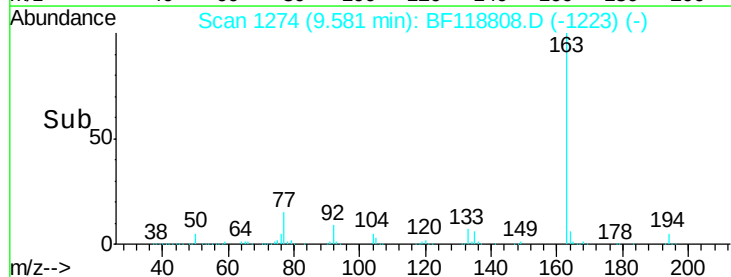
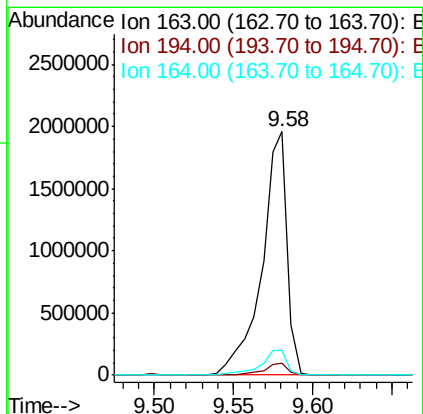
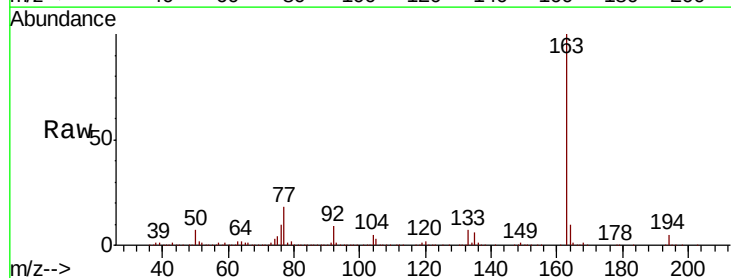
RT: 9.58 min Scan# 1274

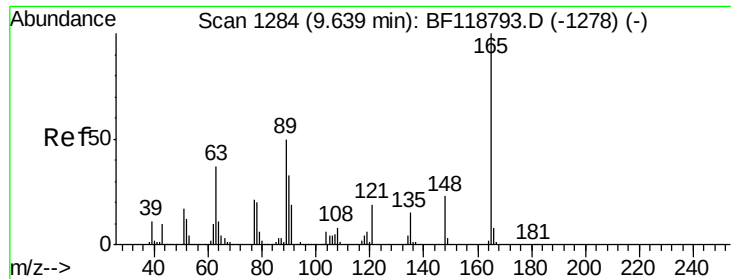
Delta R.T. 0.00 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Tgt Ion:	163	Resp:	2171808
Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.6	5.4
164	10.4	8.7	13.1





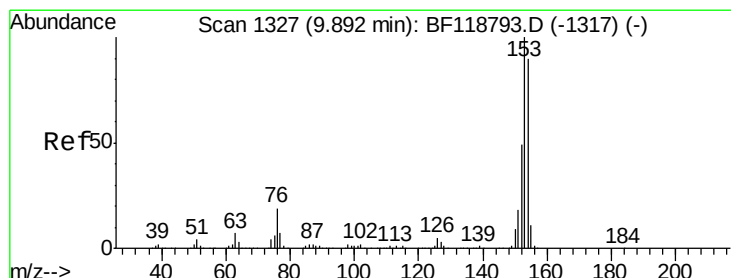
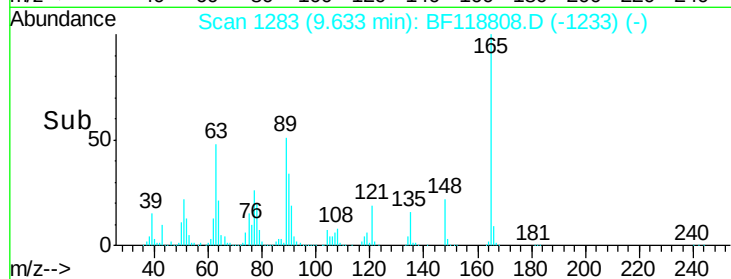
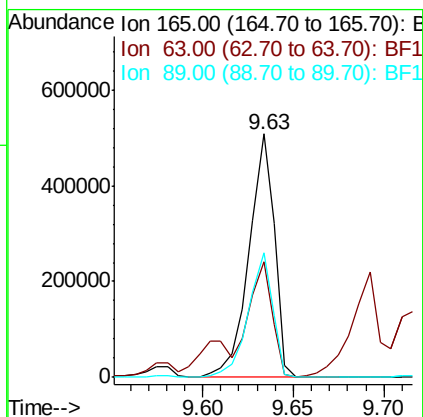
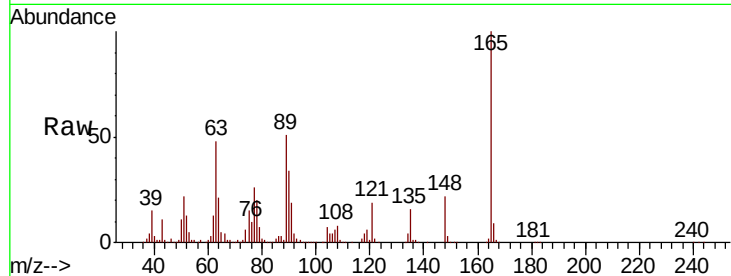
#51
2,6-Dinitrotoluene
Concen: 51.622 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	495402		
63	47.6		37.4	56.0
89	51.0		39.7	59.5

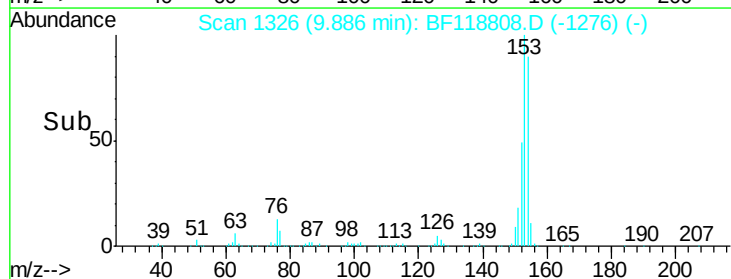
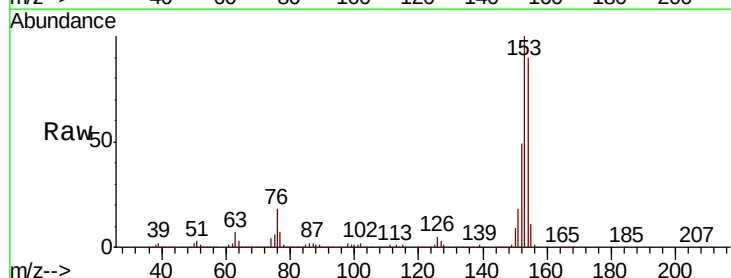
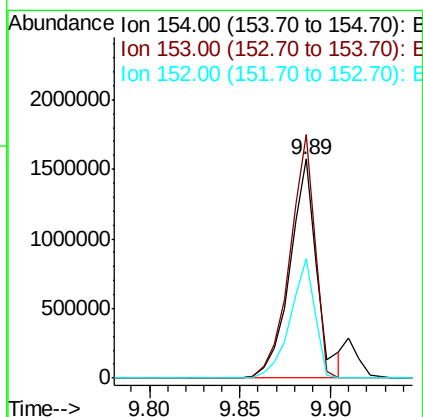
Manual Integrations
APPROVED

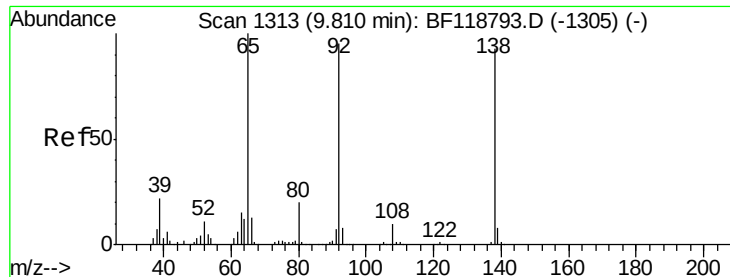
mohammad
2/6/2020 2:17:11 PM



#52
Acenaphthene
Concen: 48.477 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1633803		
153	111.2		89.4	134.0
152	54.4		43.6	65.4





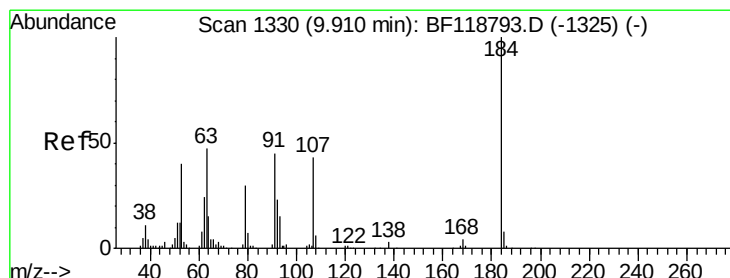
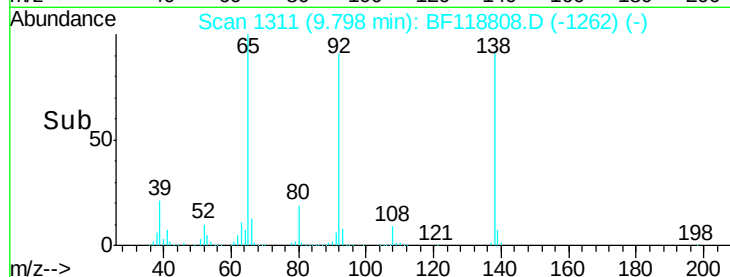
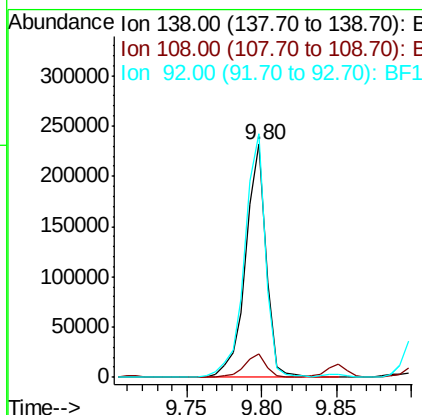
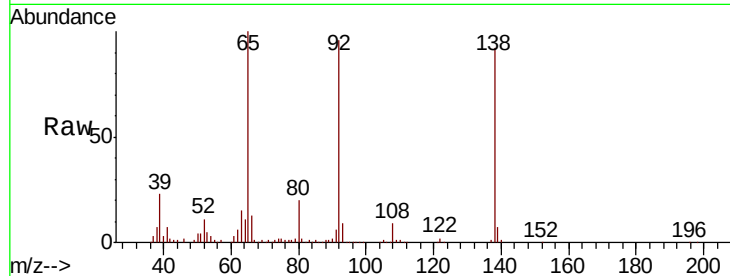
#53
3-Nitroaniline
Concen: 20.634 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.5	12.7
92	104.4	82.2	123.4

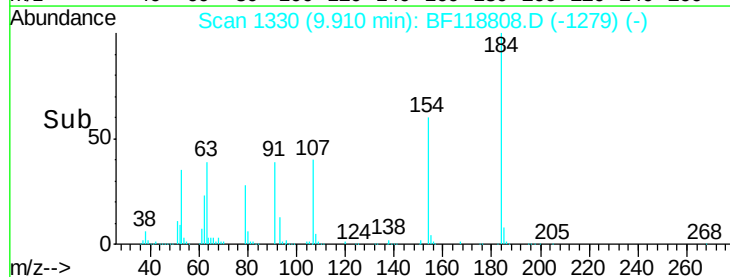
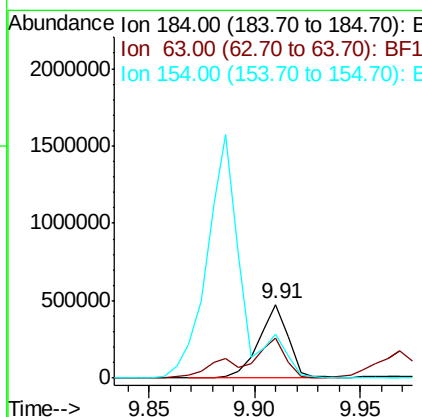
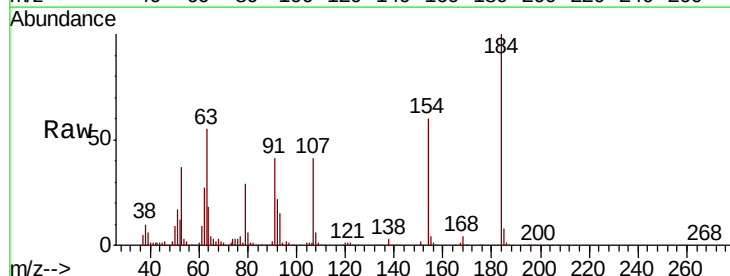
Manual Integrations
APPROVED

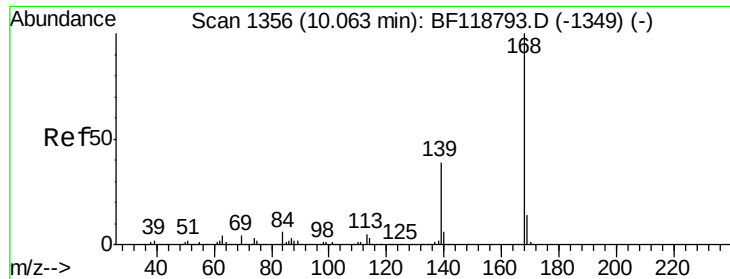
mohammad
2/6/2020 2:17:11 PM



#54
2,4-Dinitrophenol
Concen: 99.984 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
184	100		
63	54.7	47.5	71.3
154	59.7	48.6	72.8





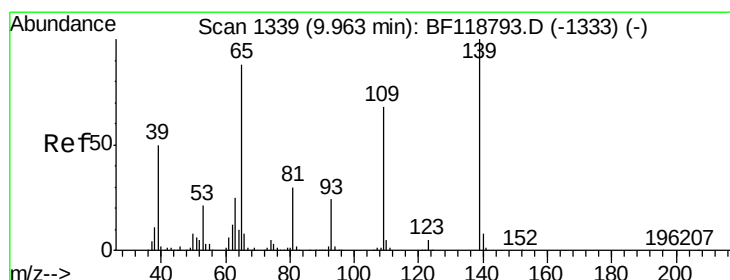
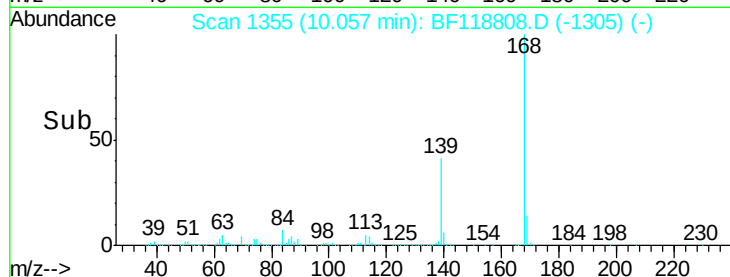
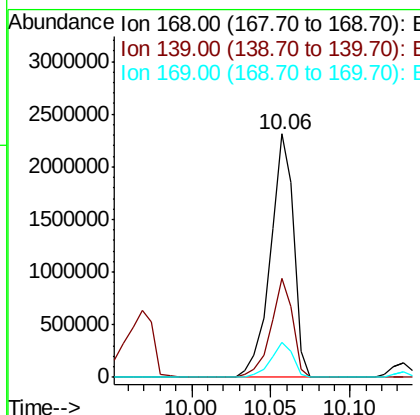
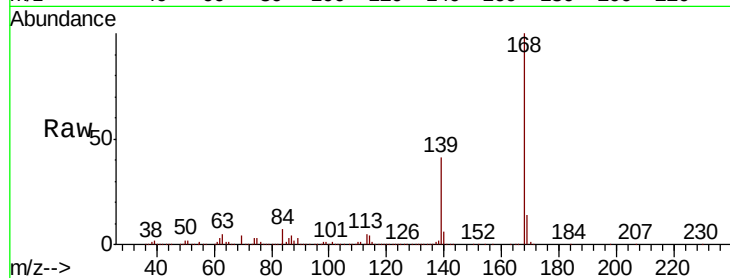
#55
Dibenzofuran
Concen: 48.343 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.5	31.6	47.4
169	14.3	11.4	17.2

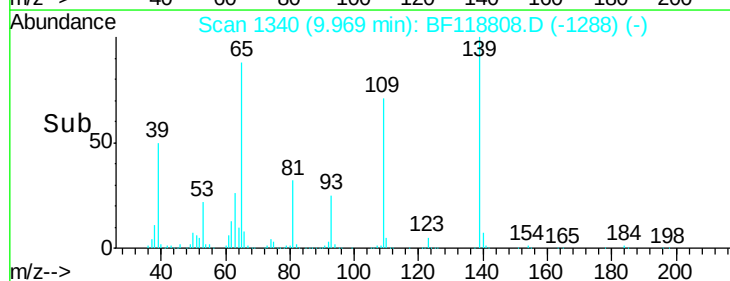
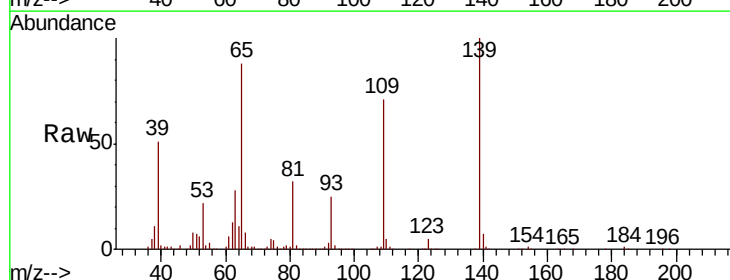
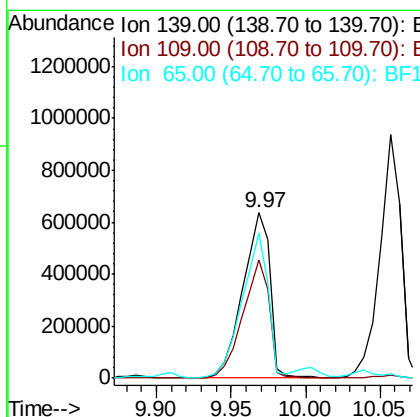
Manual Integrations
APPROVED

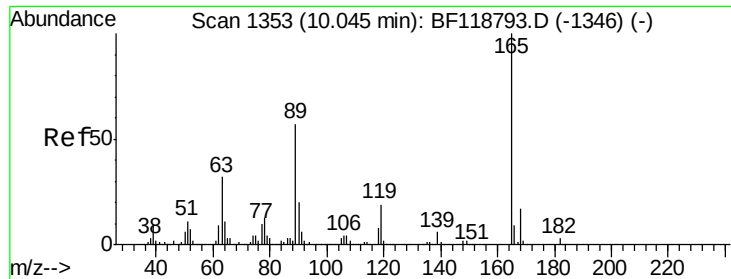
mohammad
2/6/2020 2:17:11 PM



#56
4-Nitrophenol
Concen: 104.425 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
139	100		
109	71.3	48.0	88.0
65	87.7	68.3	108.3





#57

2,4-Dinitrotoluene

Concen: 51.821 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

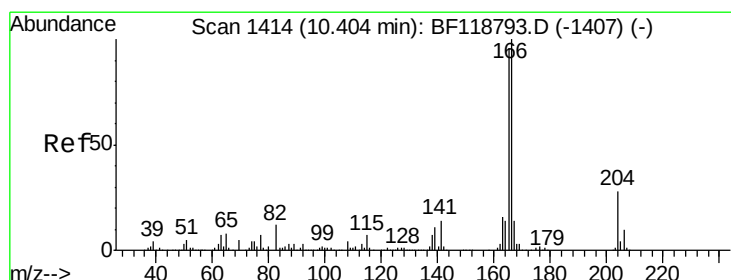
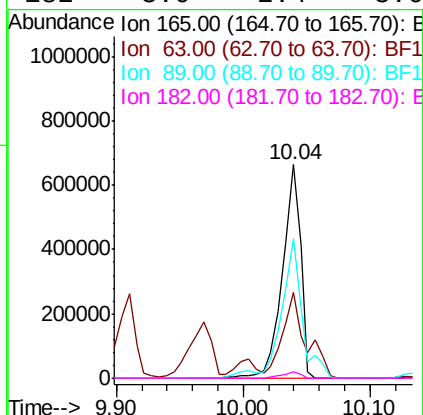
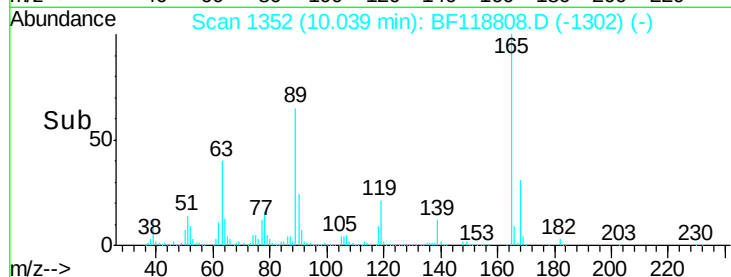
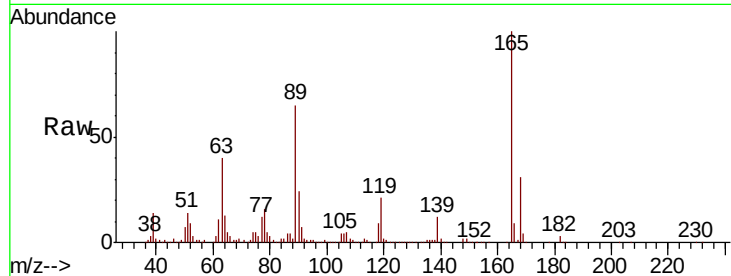
ClientSampled :

TP-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	658129		
63	40.1	25.5	38.3#	
89	65.4	45.4	68.0	
182	3.0	2.4	3.6	

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM



#58

Fluorene

Concen: 48.230 ng

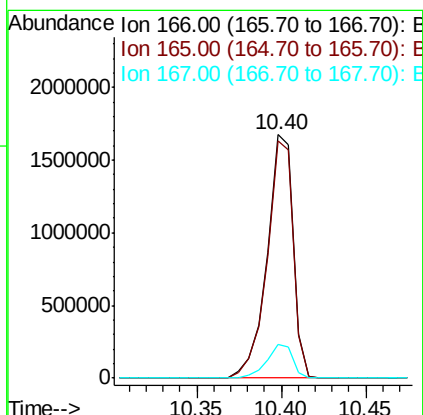
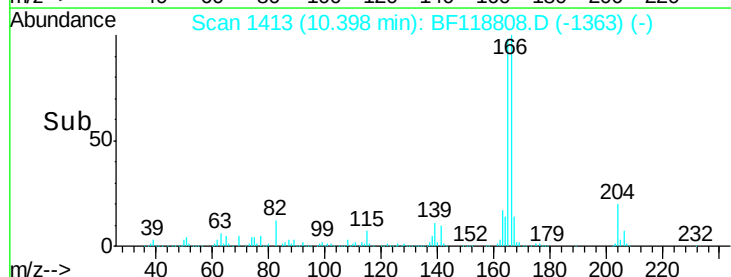
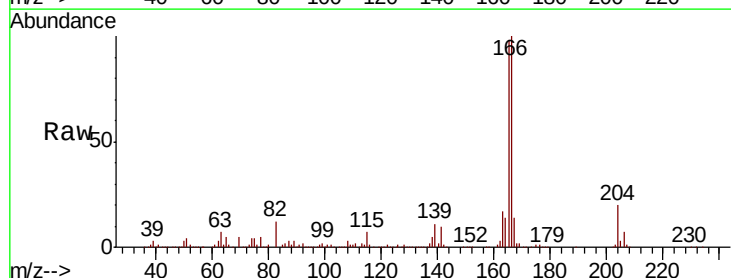
RT: 10.40 min Scan# 1413

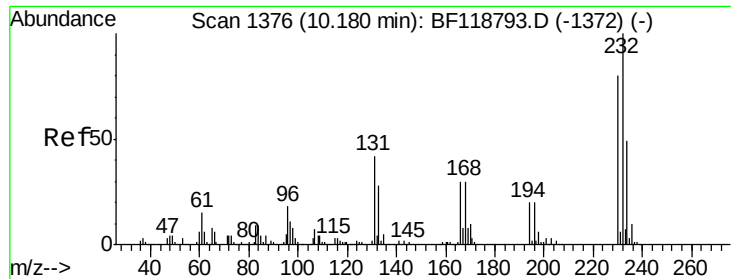
Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1767250		
165	97.7	77.0	115.6	
167	13.8	11.1	16.7	





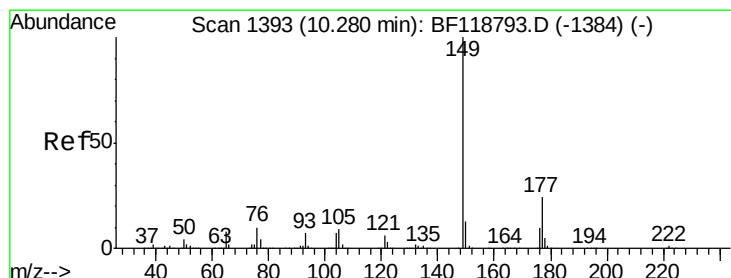
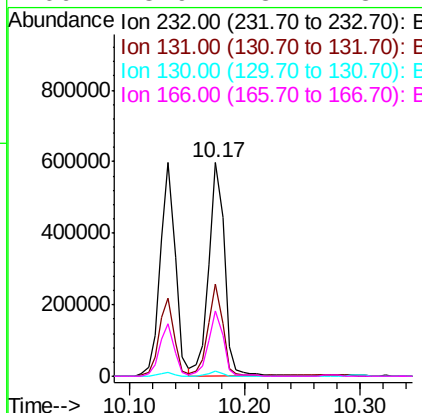
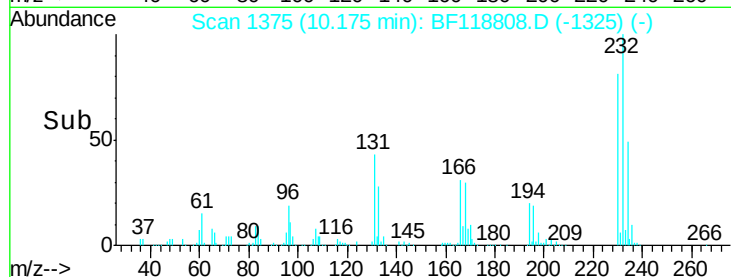
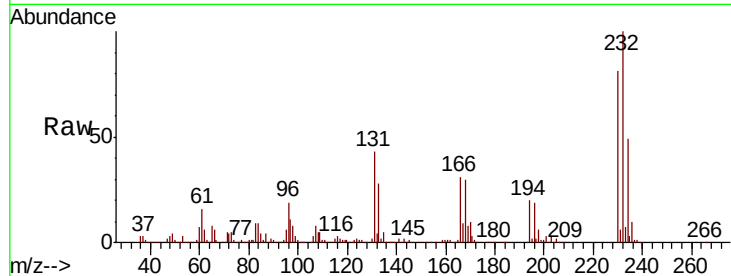
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.957 ng
RT: 10.17 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	40.5	31.8	47.6
130	2.1	1.6	2.4
166	28.9	23.1	34.7

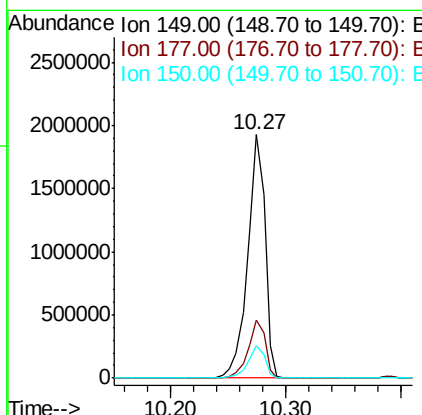
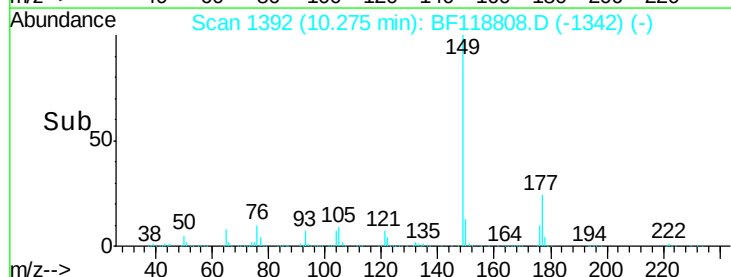
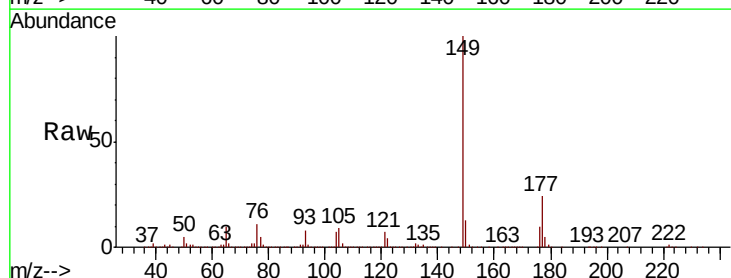
Manual Integrations
APPROVED

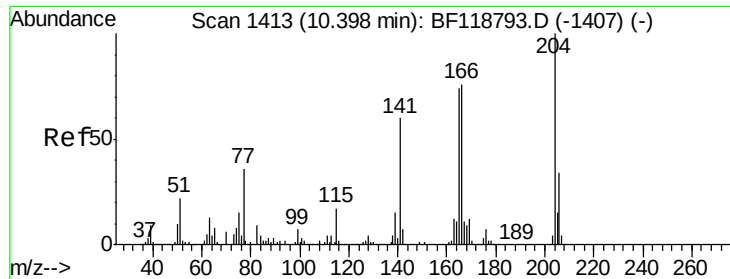
mohammad
2/6/2020 2:17:11 PM



#60
Diethylphthalate
Concen: 49.047 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.3	28.9
150	13.4	10.4	15.6





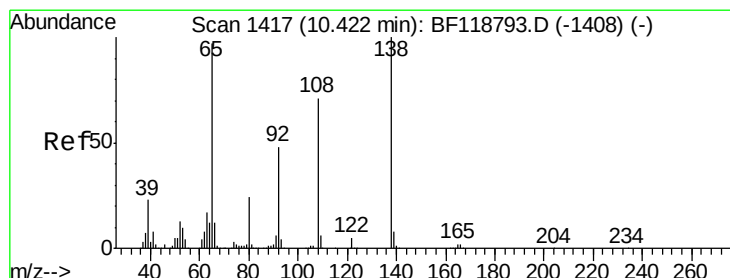
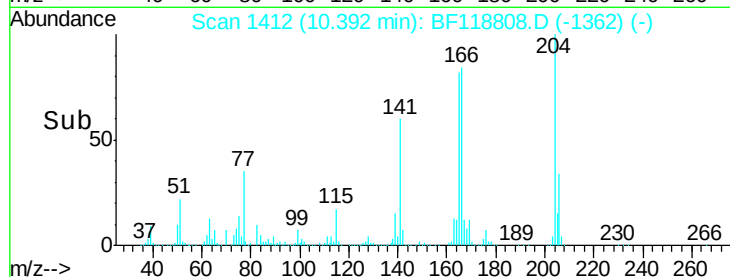
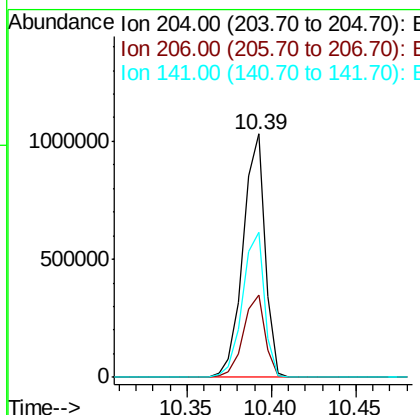
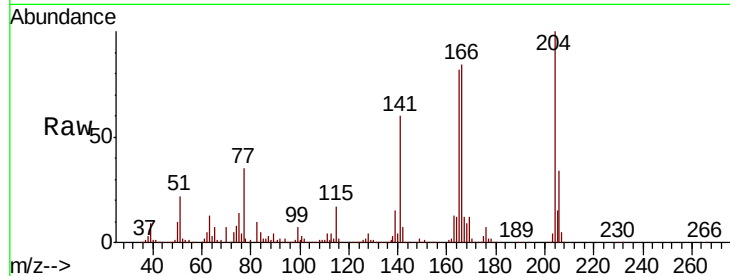
#61
4-Chlorophenyl-phenylether
Concen: 47.123 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampled :
TP-1MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.0	27.4	41.2
141	59.7	47.8	71.6

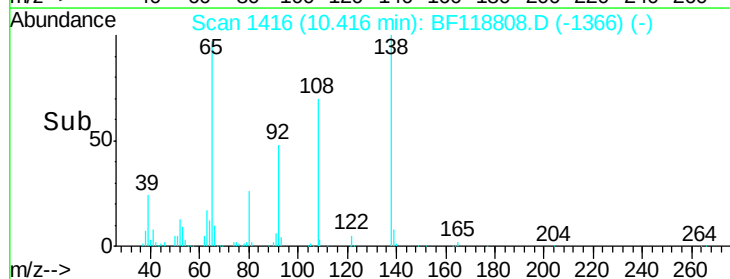
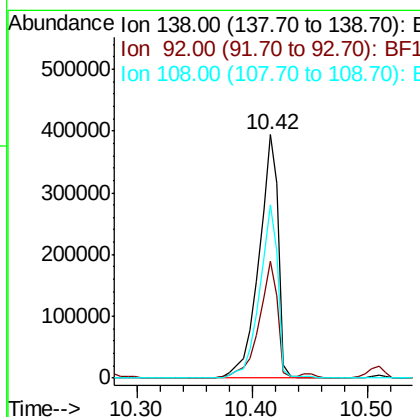
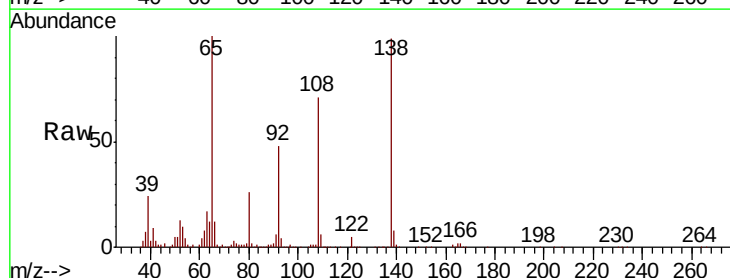
Manual Integrations
APPROVED

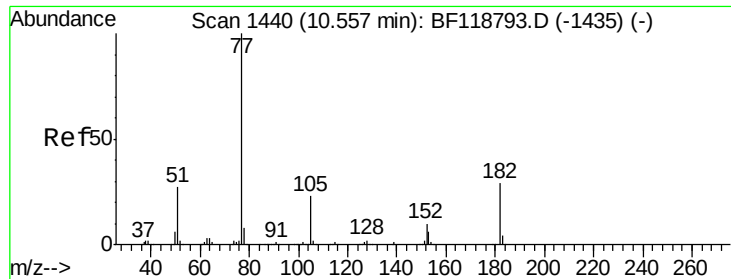
mohammad
2/6/2020 2:17:11 PM



#62
4-Nitroaniline
Concen: 43.451 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.9	27.6	67.6
108	71.4	51.3	91.3





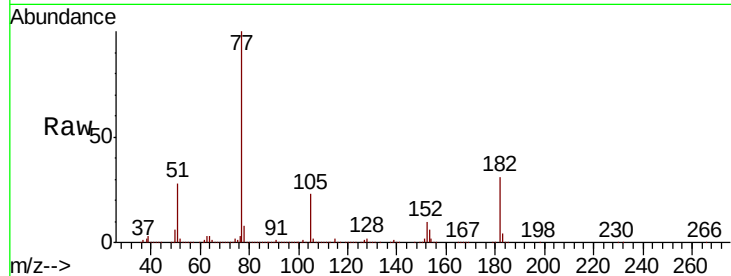
#63
Azobenzene
Concen: 50.596 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampled :
TP-1MSD

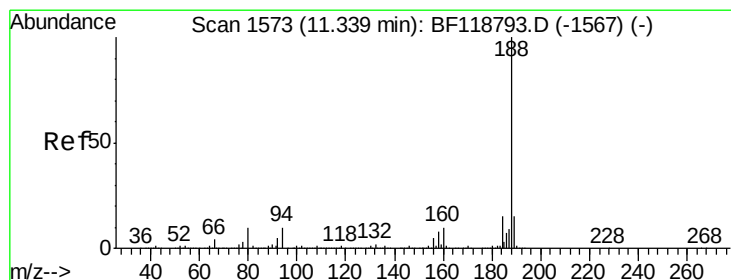
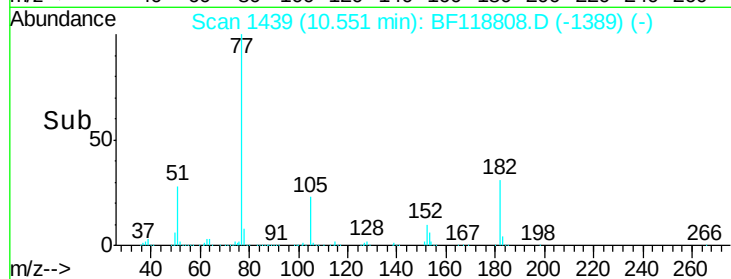
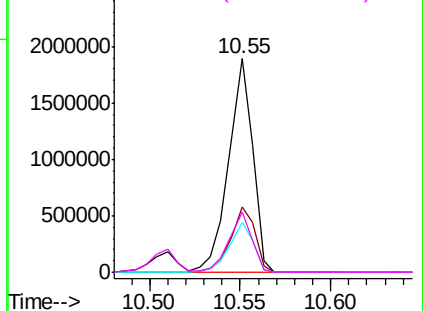
Tot Ion	77	Resp	1761651
Ion	Ratio	Lower	Upper
77	100		
182	30.6	9.2	49.2
105	23.5	3.1	43.1
51	28.4	7.4	47.4

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM

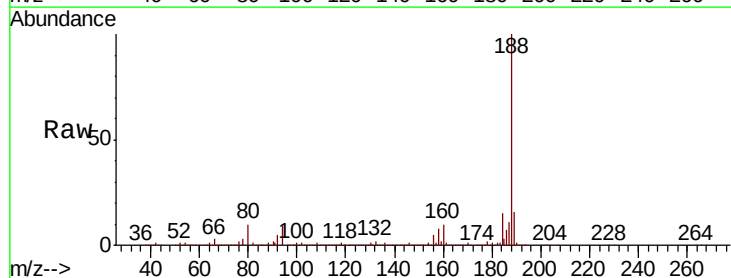


Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

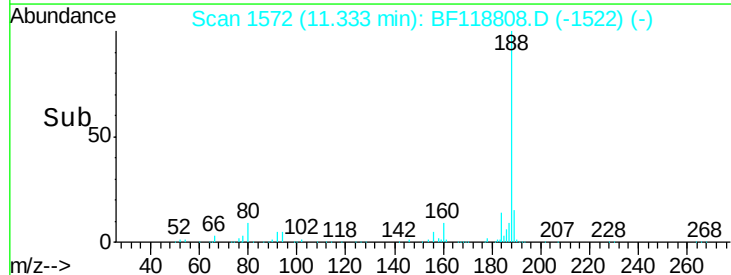
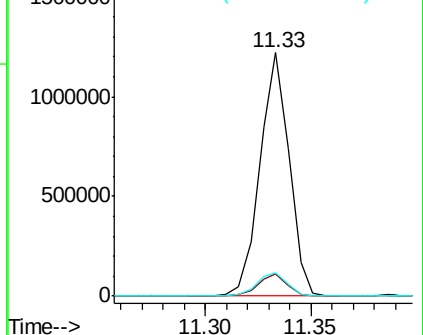


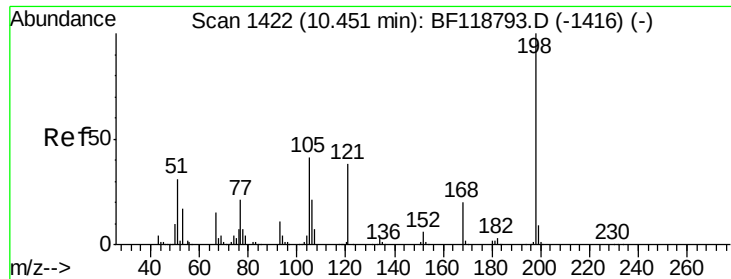
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	188	Resp	1179074
Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.9	11.9
80	9.6	8.4	12.6



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 54.951 ng

RT: 10.45 min Scan# 1422

Delta R.T. 0.00 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

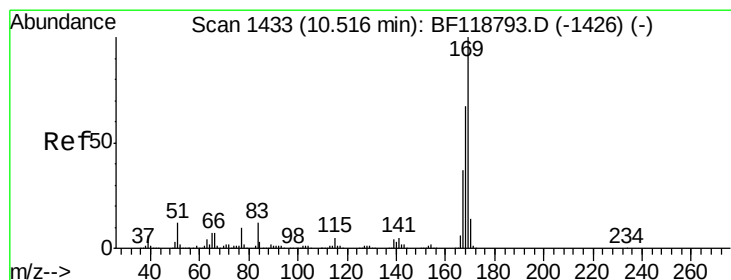
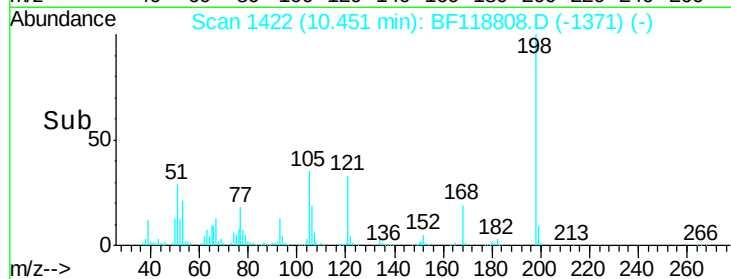
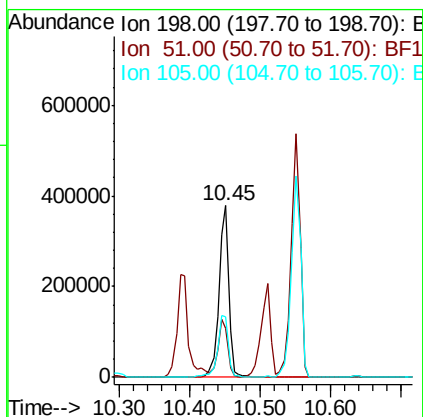
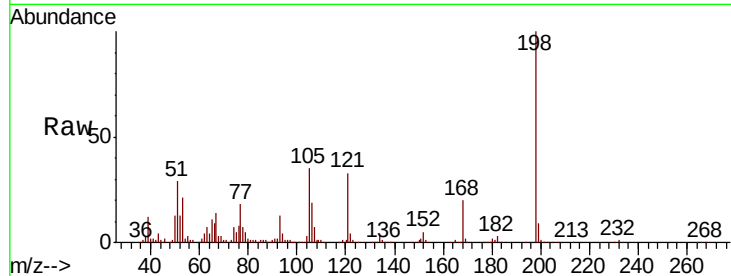
ClientSampleId :

TP-1MSD

Tot Ion:	198	Resp:	364071
Ion Ratio	Lower	Upper	
198	100		
51	29.0	16.7	56.7
105	35.4	22.0	62.0

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM



#66

n-Nitrosodiphenylamine

Concen: 49.977 ng

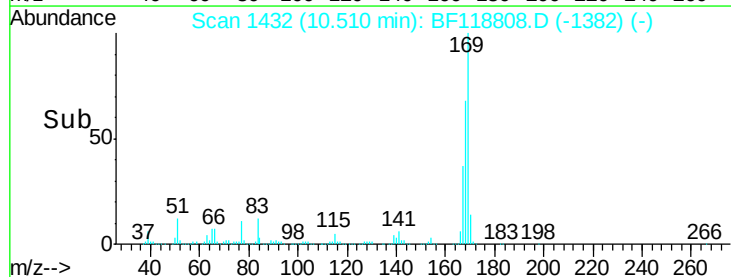
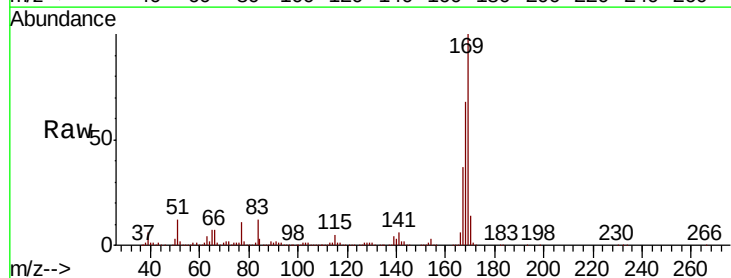
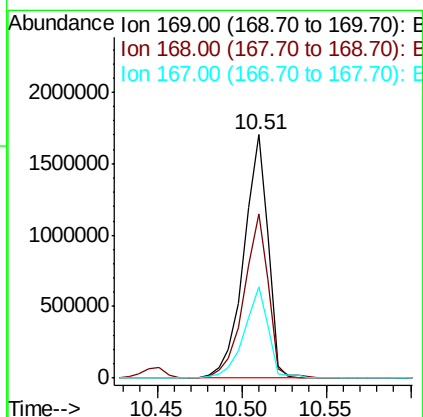
RT: 10.51 min Scan# 1432

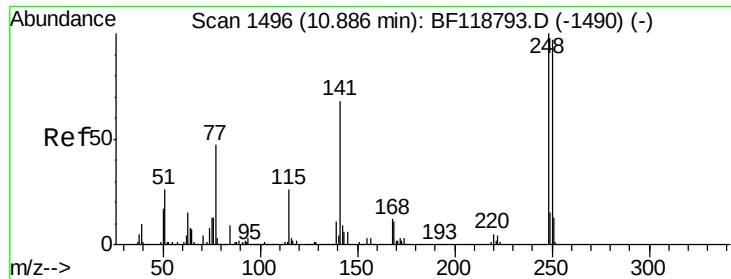
Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Tgt Ion:	169	Resp:	1706873
Ion Ratio	Lower	Upper	
169	100		
168	67.7	53.5	80.3
167	37.2	29.3	43.9





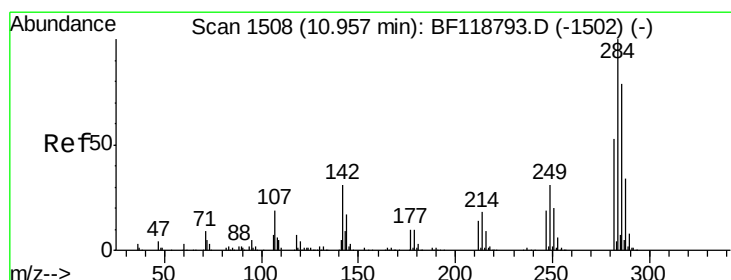
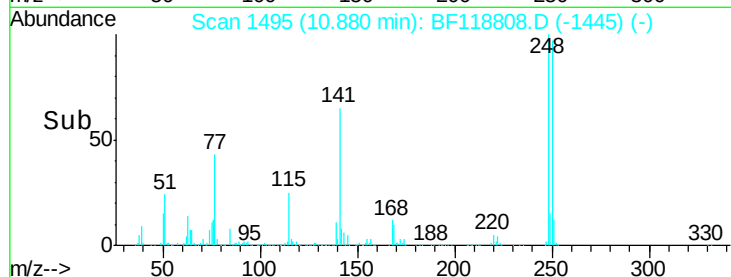
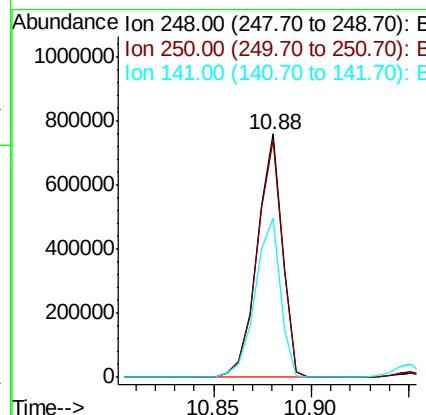
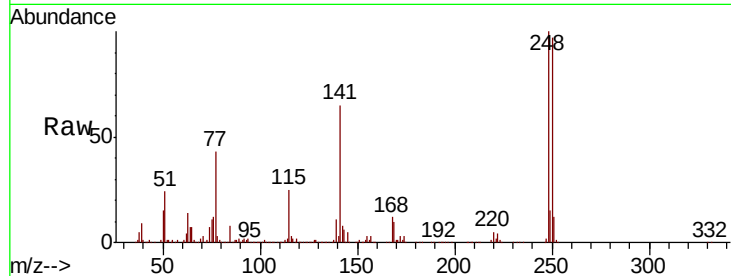
#67
4-Bromophenyl-phenylether
Concen: 48.447 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampled :
TP-1MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.6	116.4
141	65.3	54.4	81.6

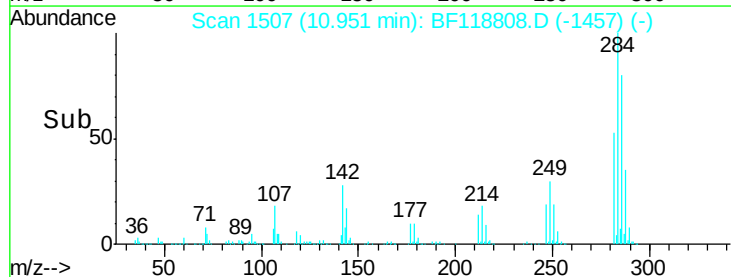
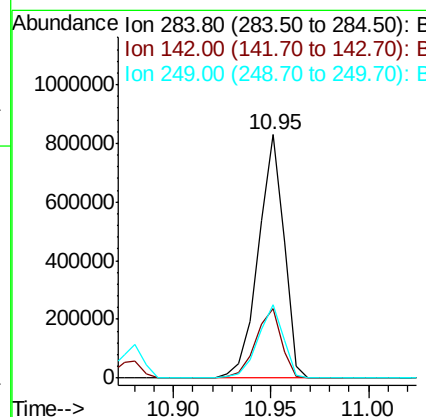
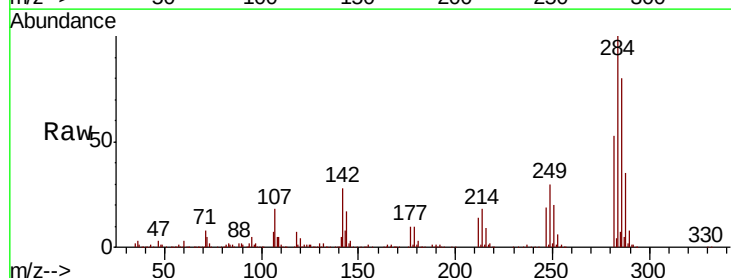
Manual Integrations
APPROVED

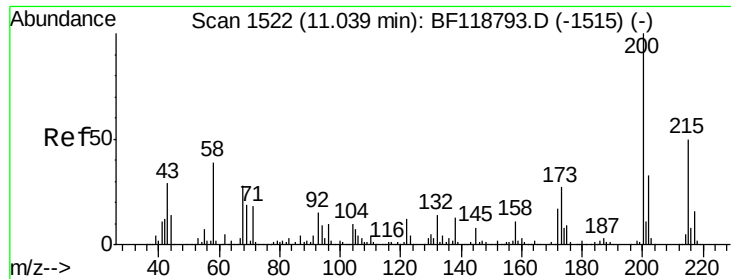
mohammad
2/6/2020 2:17:11 PM



#68
Hexachlorobenzene
Concen: 47.037 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.4	24.5	36.7
249	30.4	24.7	37.1





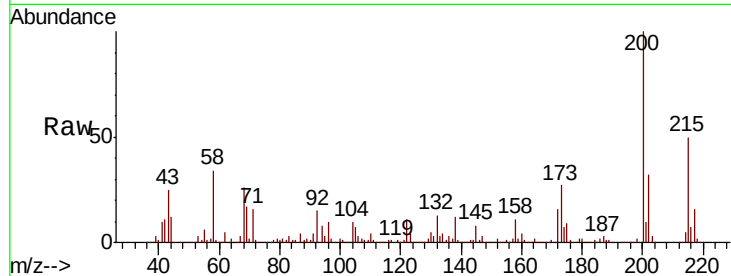
#69
Atrazine
Concen: 54.692 ng
RT: 11.04 min Scan# 1522
Delta R.T. 0.00 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

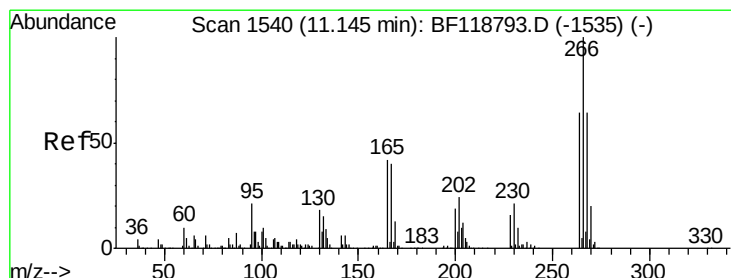
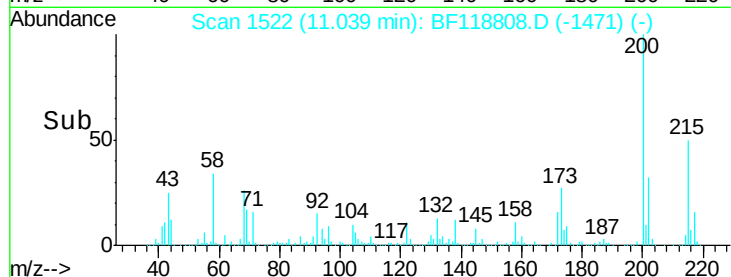
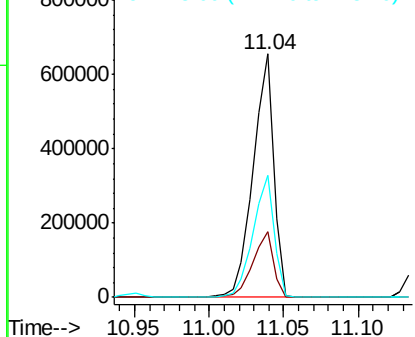
Tot Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.5	47.5
215	50.1	29.9	69.9

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM

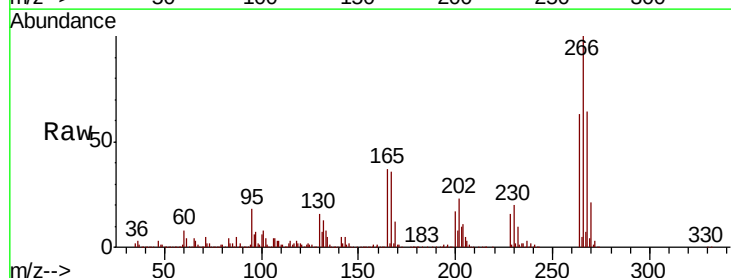


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

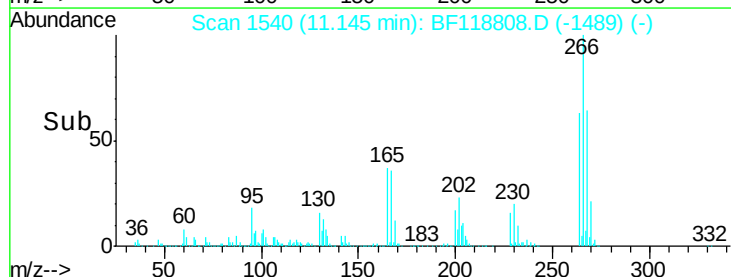
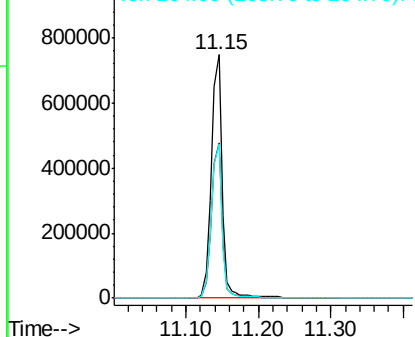


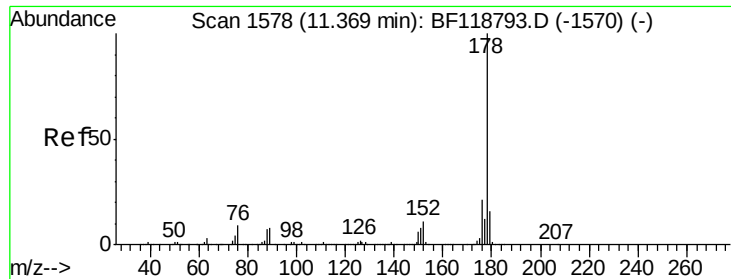
#70
Pentachlorophenol
Concen: 92.551 ng
RT: 11.15 min Scan# 1540
Delta R.T. 0.00 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	63.1	51.4	77.2



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 46.422 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

Tot Ion:178 Resp: 2693070

Ion Ratio Lower Upper

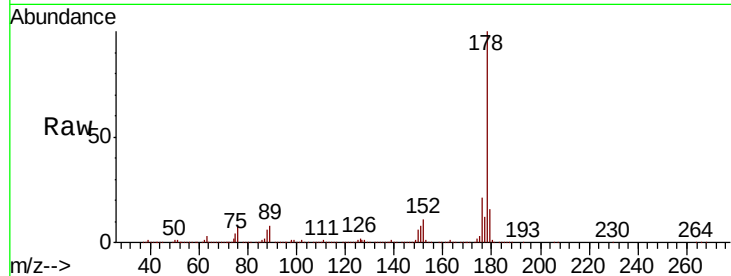
178 100

176 21.0 16.6 24.8

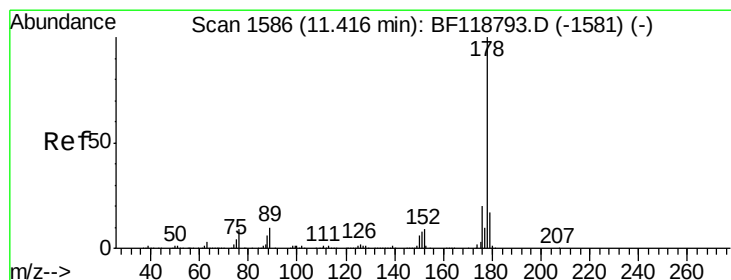
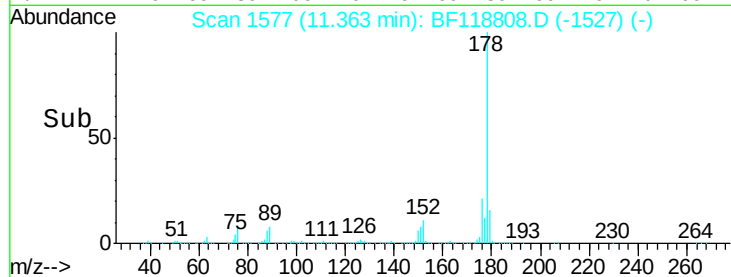
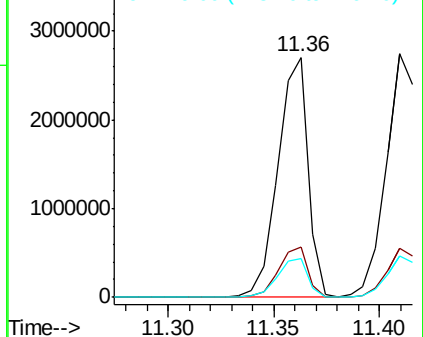
179 16.4 13.2 19.8

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 48.198 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Tgt Ion:178 Resp: 2781595

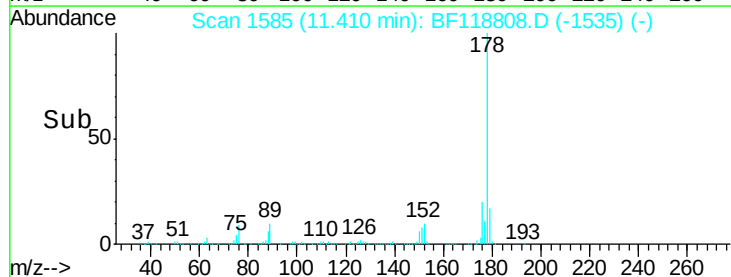
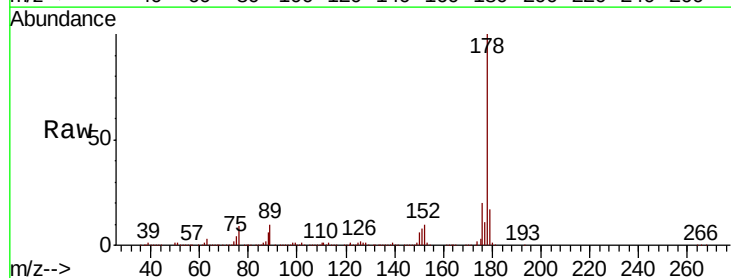
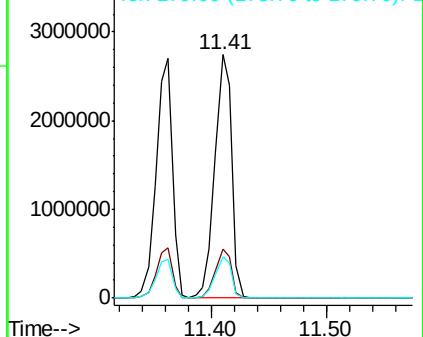
Ion Ratio Lower Upper

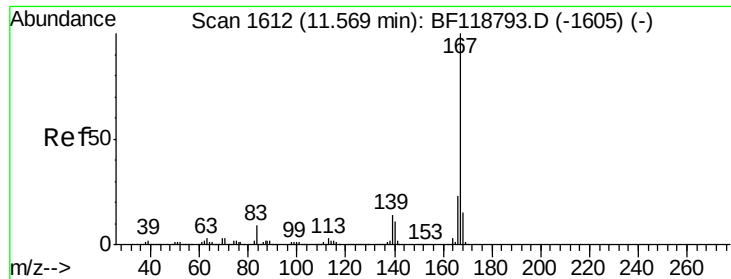
178 100

176 20.3 16.2 24.2

179 17.1 13.4 20.2

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





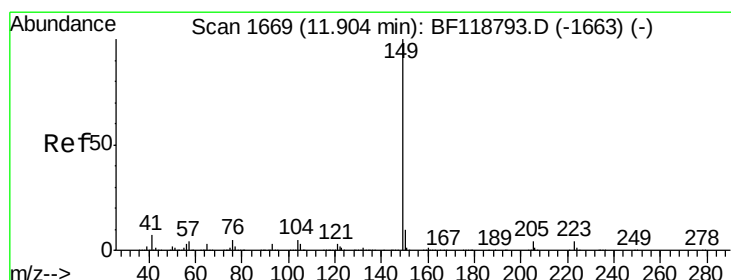
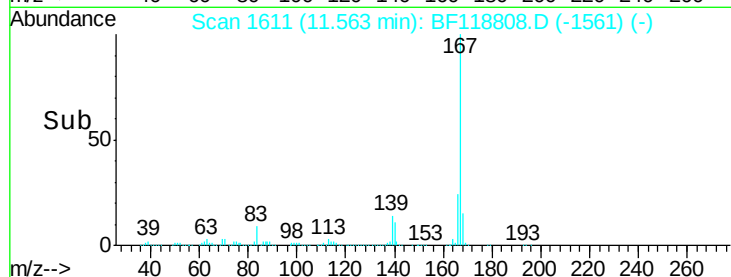
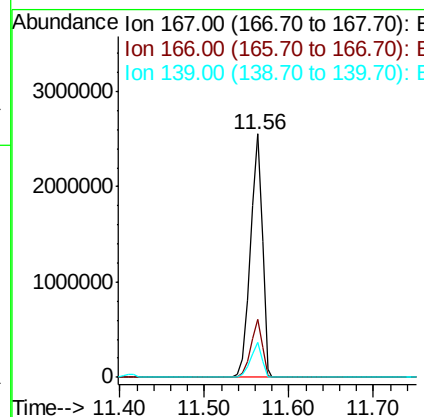
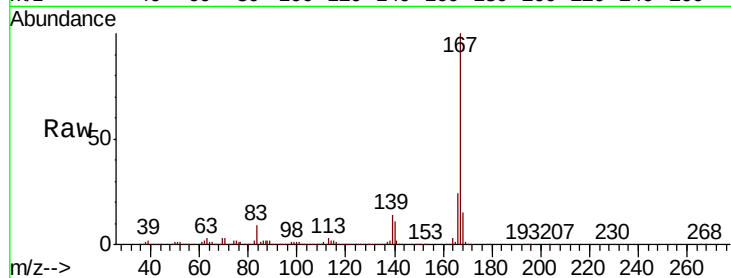
#73
 Carbazole
 Concen: 48.326 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF118808.D
 Acq: 4 Feb 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.6	18.4	27.6
139	14.2	11.1	16.7

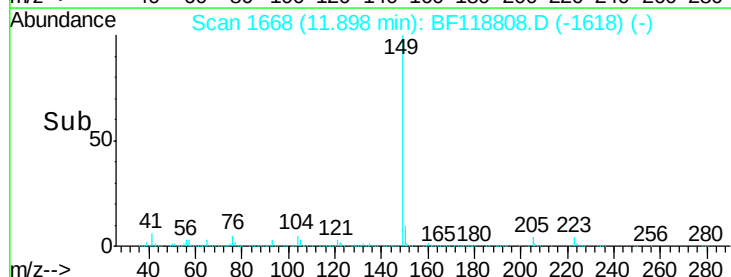
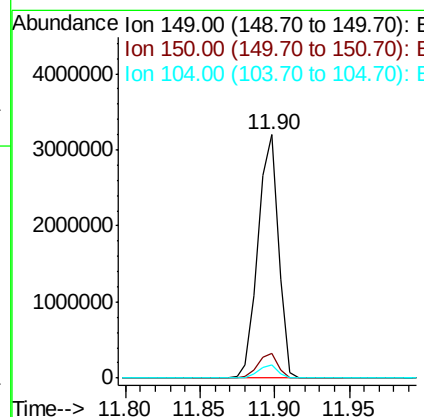
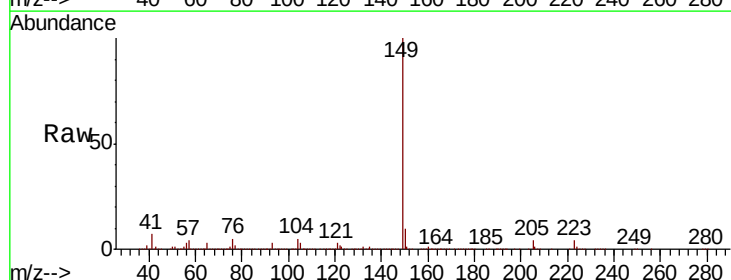
Manual Integrations
 APPROVED

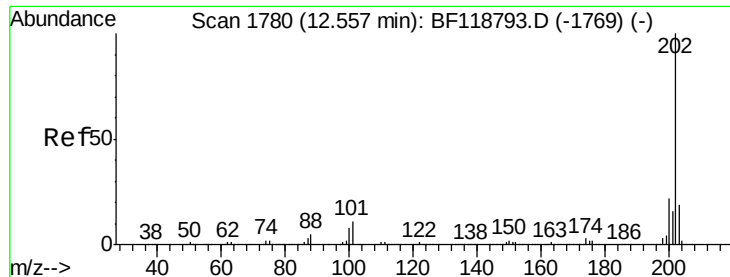
mohammad
 2/6/2020 2:17:11 PM



#74
 Di-n-butylphthalate
 Concen: 46.602 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BF118808.D
 Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.3	8.1	12.1
104	5.4	4.3	6.5





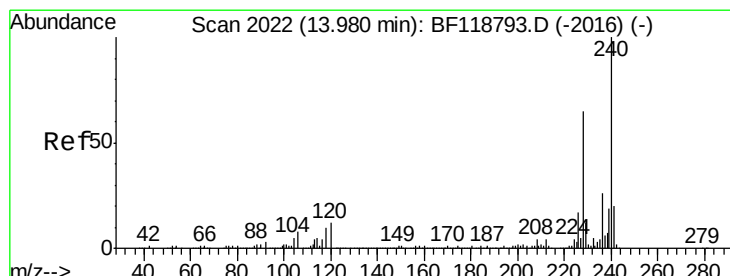
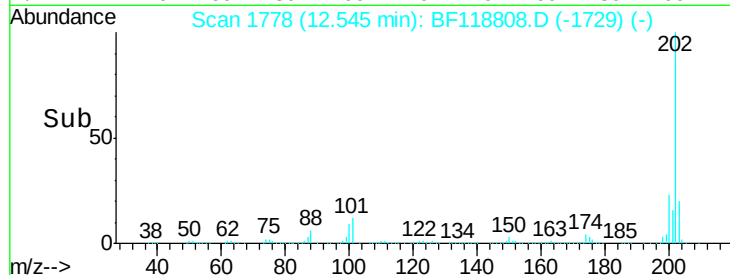
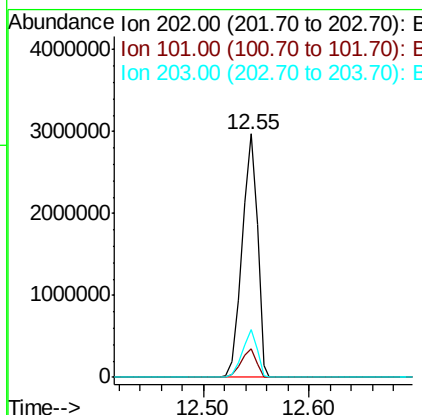
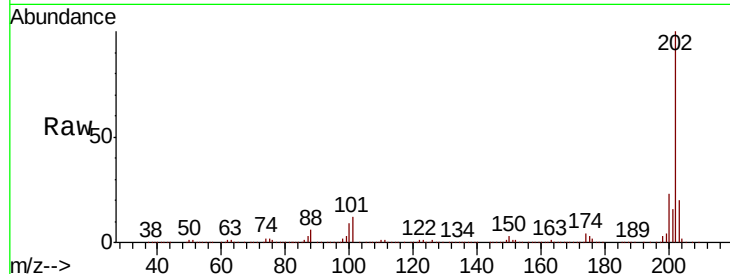
#75
Fluoranthene
Concen: 46.371 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.0
203	19.6	0.0	38.7

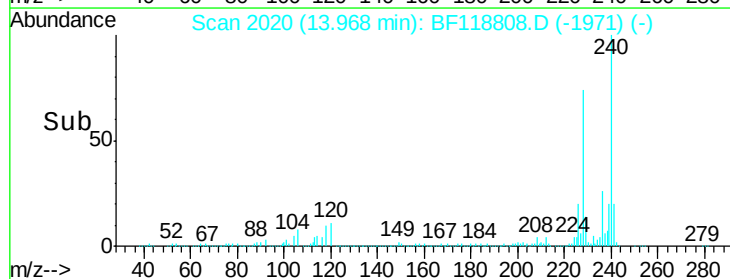
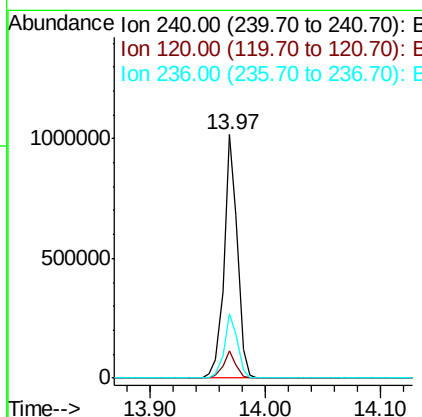
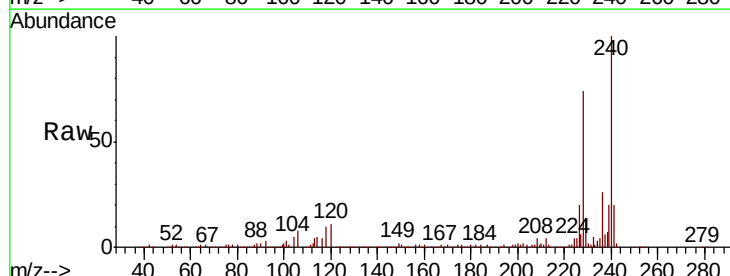
Manual Integrations
APPROVED

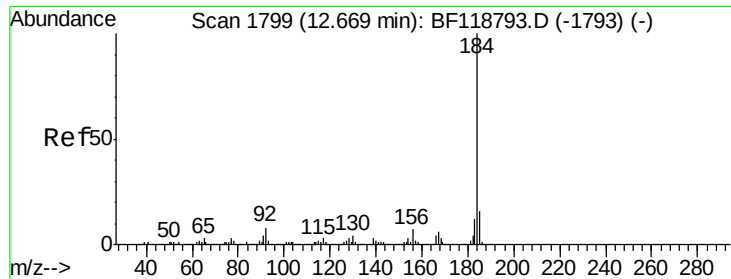
mohammad
2/6/2020 2:17:11 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.4	14.0
236	26.2	21.0	31.6





#77

Benzidine

Concen: 51.212 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

Tot Ion:184 Resp: 1257499

Ion Ratio Lower Upper

184 100

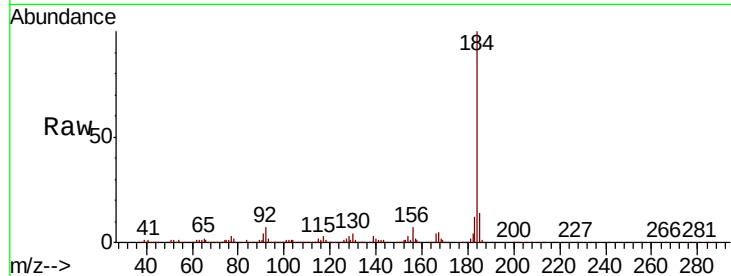
185 14.3 12.5 18.7

183 12.2 9.7 14.5

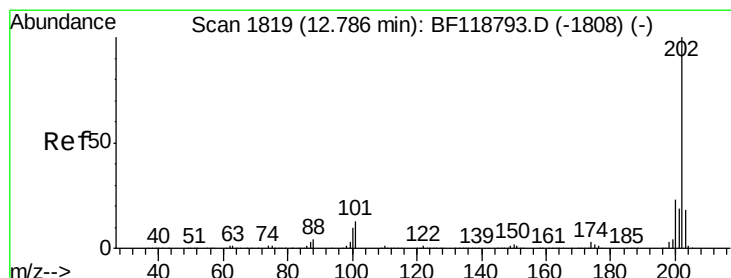
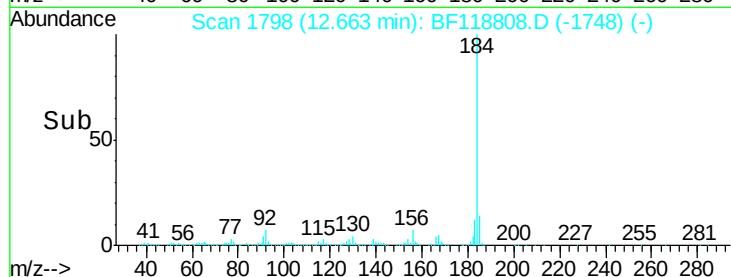
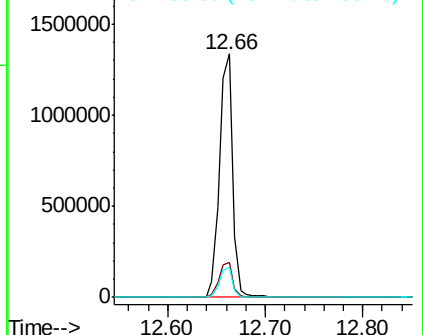
Manual Integrations
APPROVED

mohammad

2/6/2020 2:17:11 PM



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 51.731 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

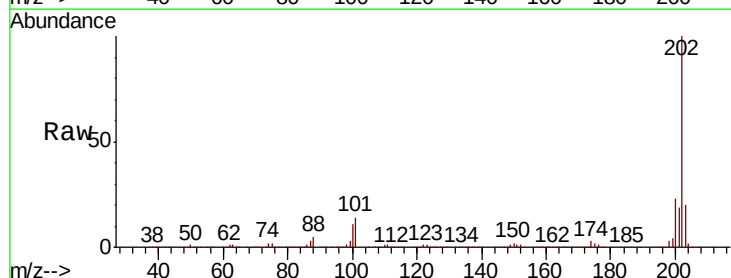
Tgt Ion:202 Resp: 2881153

Ion Ratio Lower Upper

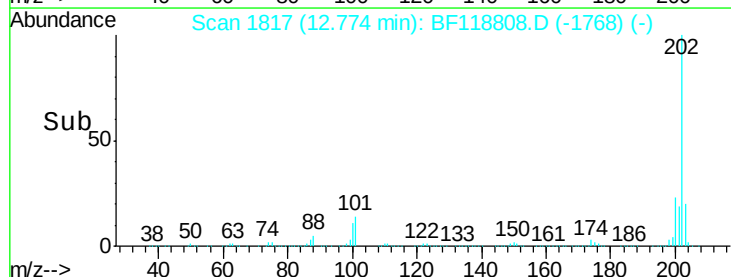
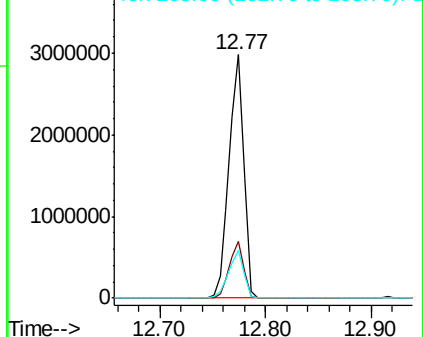
202 100

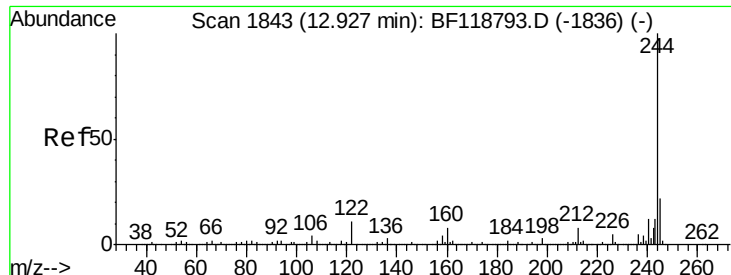
200 23.2 18.2 27.2

203 19.5 14.8 22.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





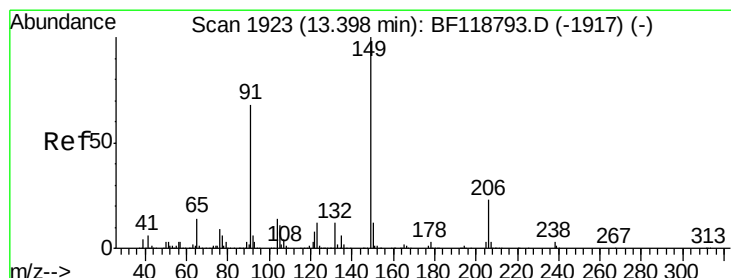
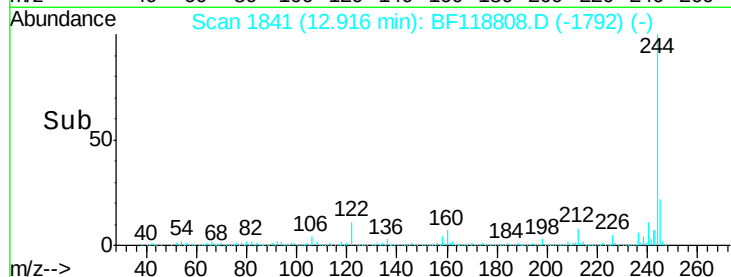
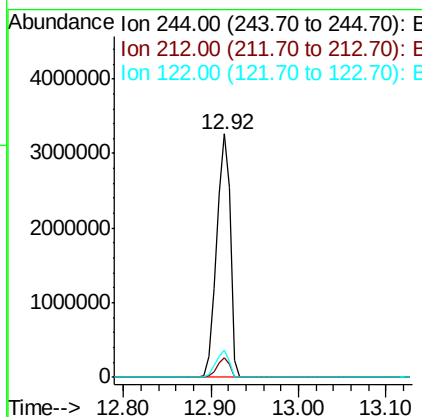
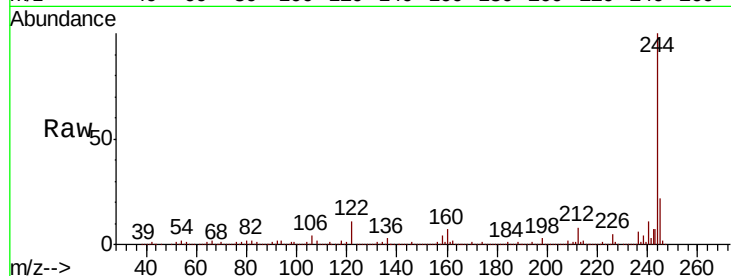
#79
 Terphenyl-d14
 Concen: 89.677 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF118808.D
 Acq: 4 Feb 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :
 TP-1MSD

Tot Ion:244 Resp: 3544408
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.5 9.7
 122 11.1 8.9 13.3

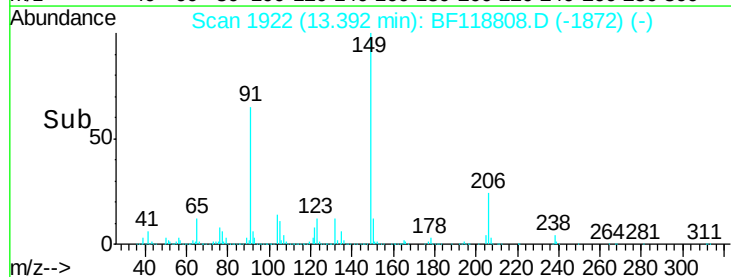
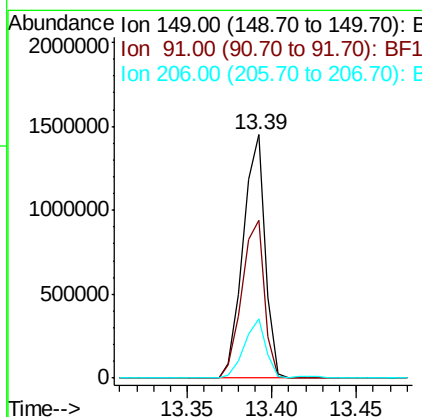
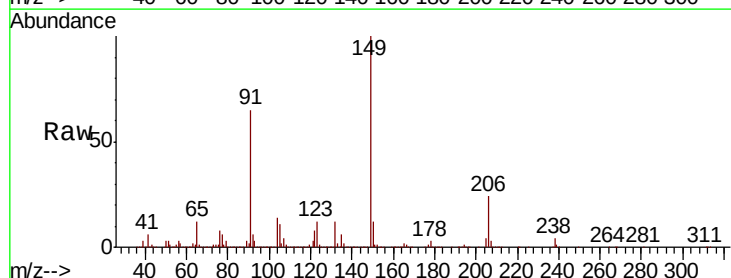
Manual Integrations
 APPROVED

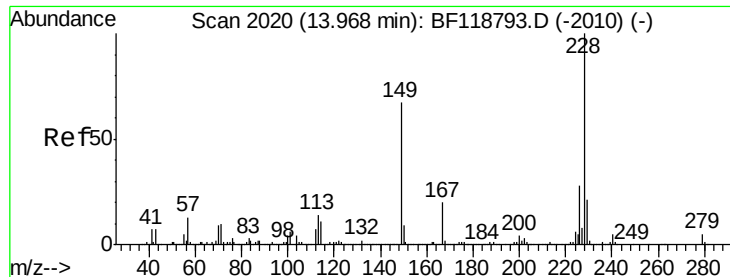
mohammad
 2/6/2020 2:17:11 PM



#80
 Butylbenzylphthalate
 Concen: 51.928 ng
 RT: 13.39 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: BF118808.D
 Acq: 4 Feb 2020 18:26

Tgt Ion:149 Resp: 1320037
 Ion Ratio Lower Upper
 149 100
 91 65.1 54.7 82.1
 206 24.1 18.5 27.7





#81

Benzo(a)anthracene

Concen: 48.642 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

ClientSampleId :

TP-1MSD

Tot Ion:228 Resp: 2349898

Ion Ratio Lower Upper

228 100

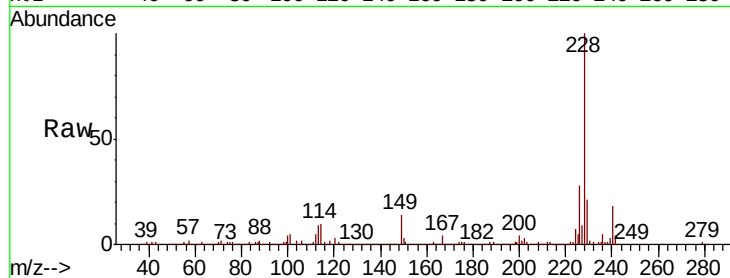
226 28.0 22.7 34.1

229 20.6 16.6 25.0

Manual Integrations
APPROVED

mohammad

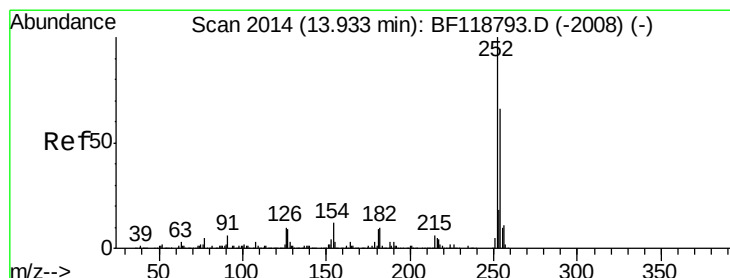
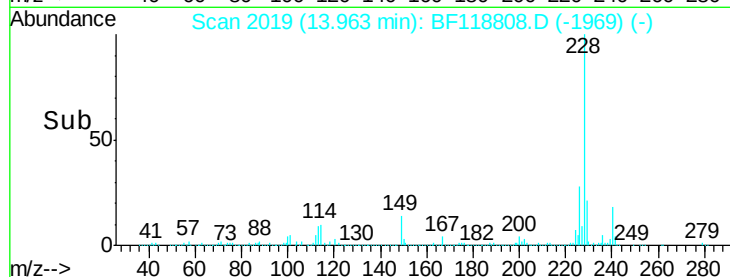
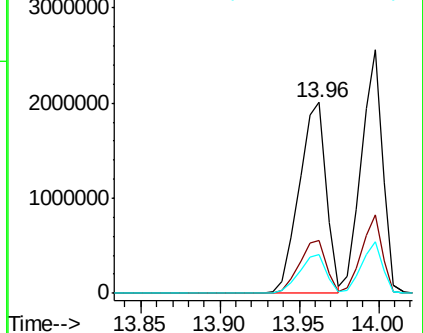
2/6/2020 2:17:11 PM



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 26.944 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.02 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

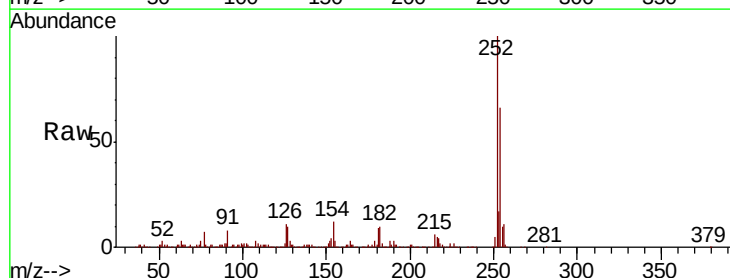
Tgt Ion:252 Resp: 532377

Ion Ratio Lower Upper

252 100

254 65.8 52.4 78.6

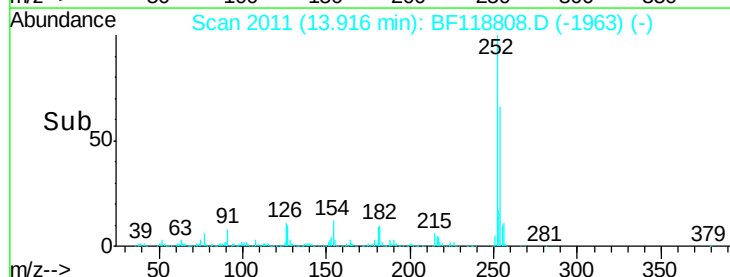
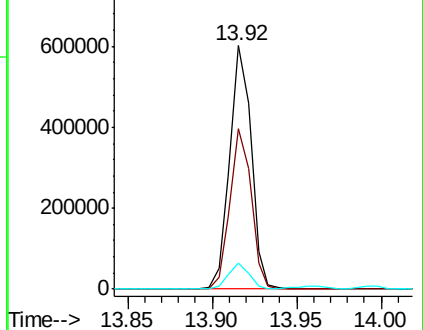
126 10.7 7.8 11.8

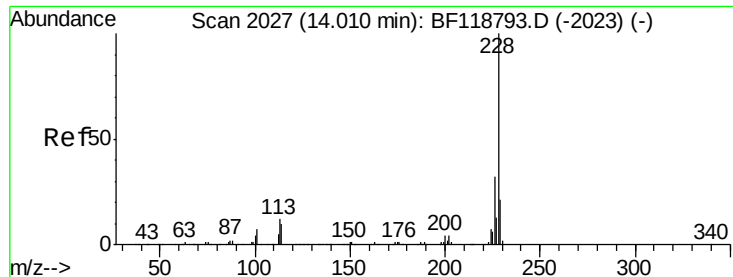


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





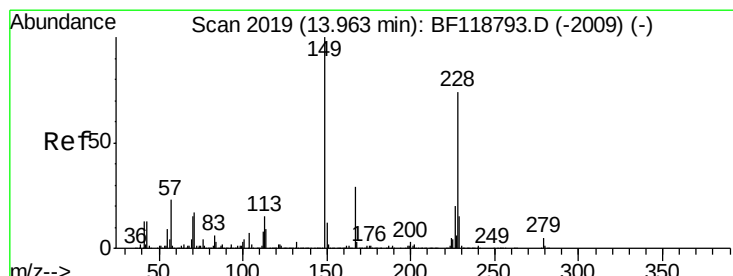
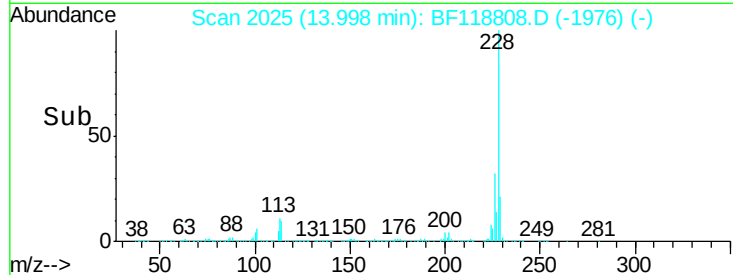
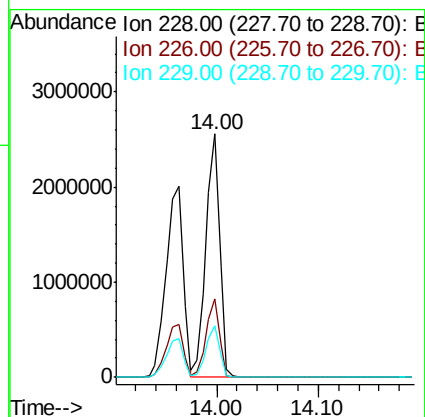
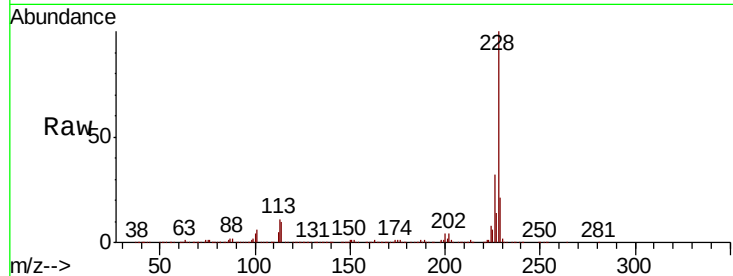
#83
Chrysene
Concen: 49.771 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion:228 Resp: 2413184
Ion Ratio Lower Upper
228 100
226 32.4 25.4 38.0
229 21.3 16.9 25.3

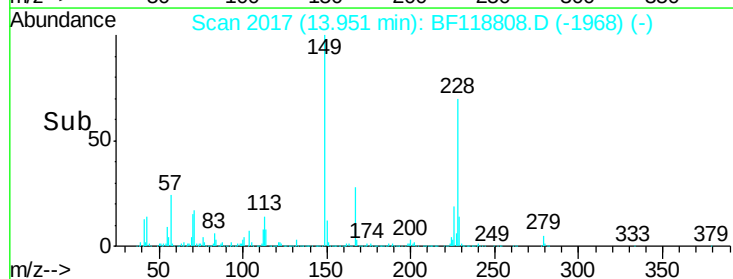
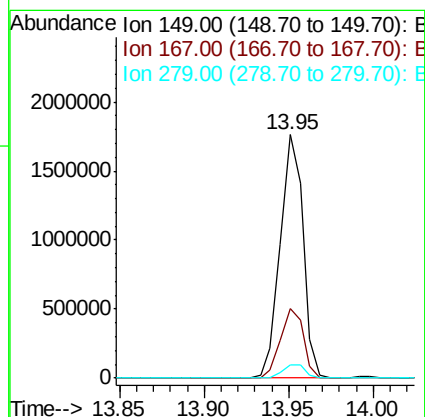
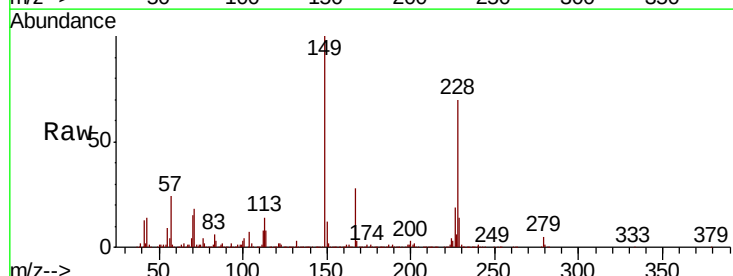
Manual Integrations
APPROVED

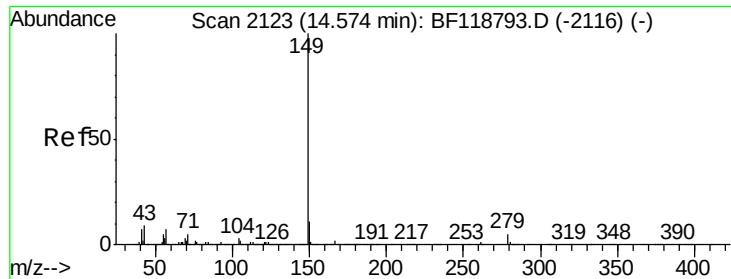
mohammad
2/6/2020 2:17:11 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 51.373 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion:149 Resp: 1656872
Ion Ratio Lower Upper
149 100
167 28.4 23.0 34.6
279 5.3 4.4 6.6





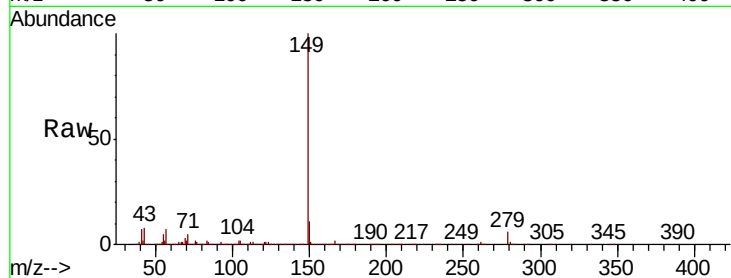
#85
Di-n-octyl phthalate
Concen: 49.686 ng
RT: 14.56 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

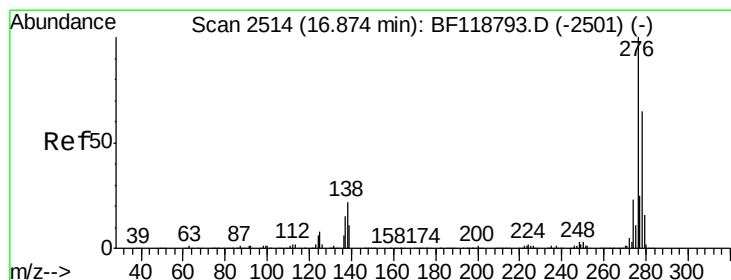
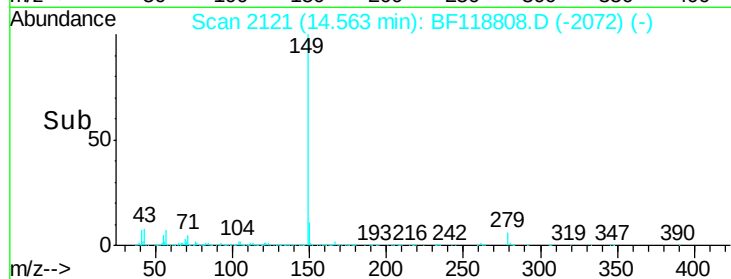
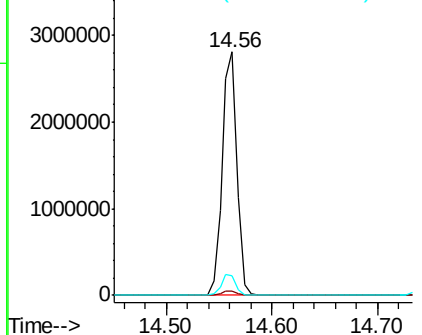
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	8.4	6.6	10.0

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM

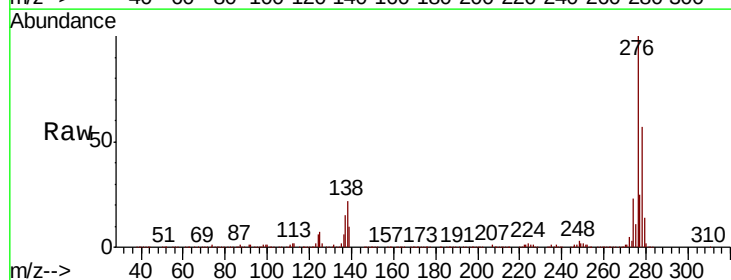


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

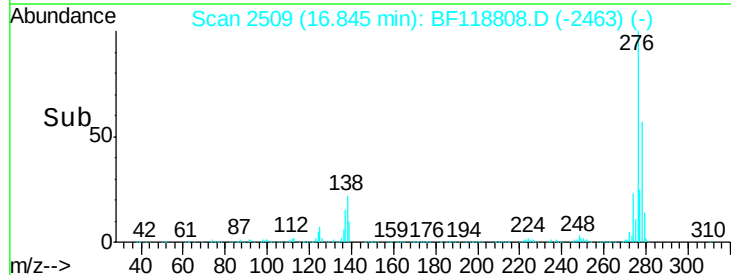
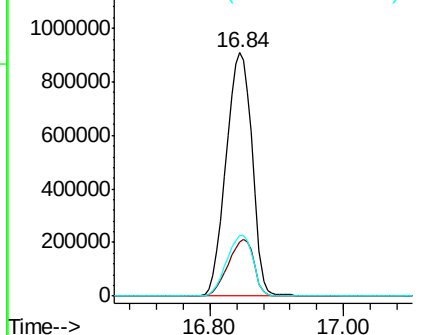


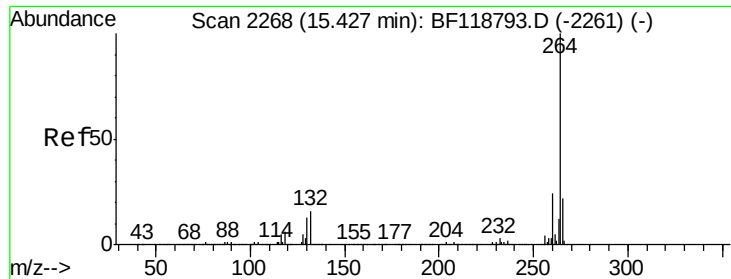
#86
Indeno(1,2,3-cd)pyrene
Concen: 51.418 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.03 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.3	27.5
277	25.6	20.2	30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





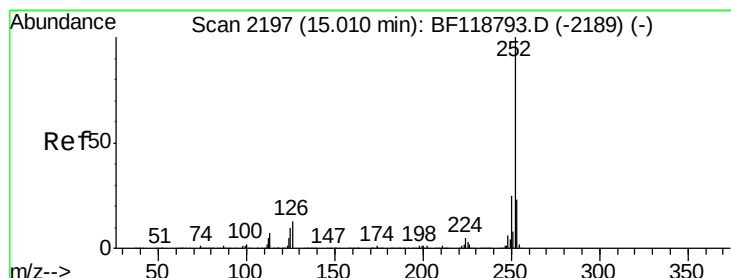
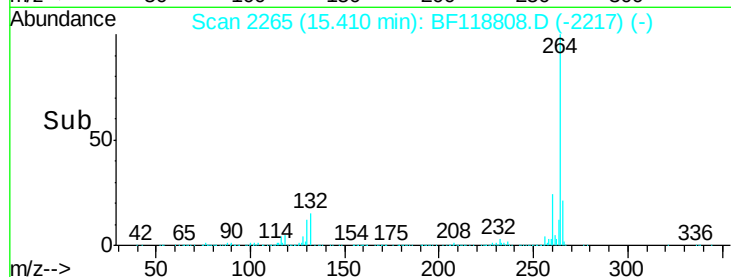
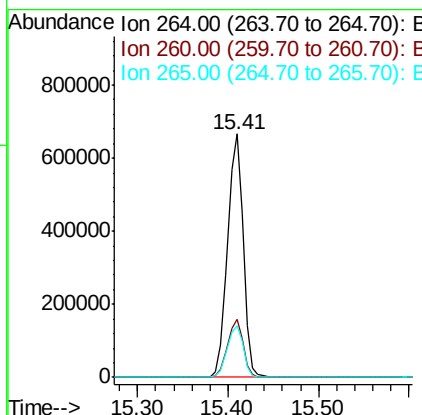
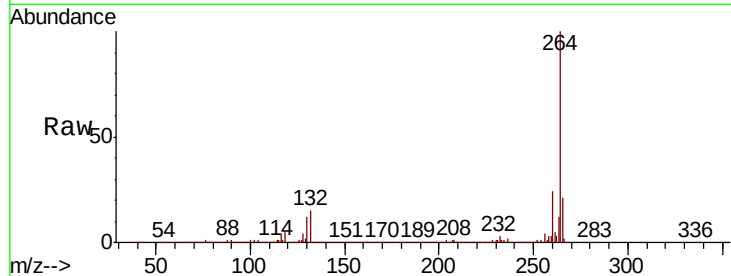
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.4	17.2	25.8

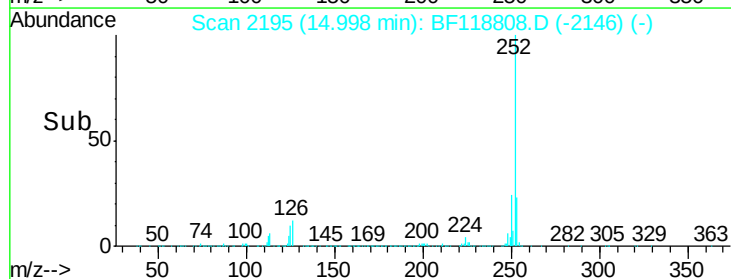
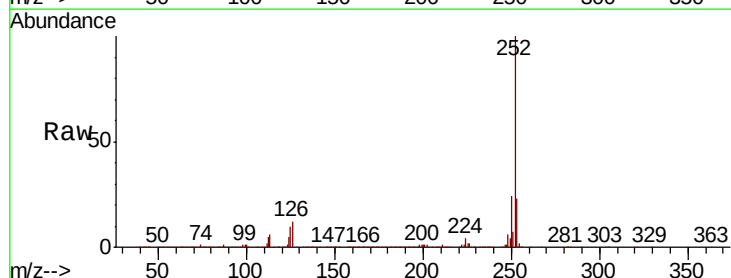
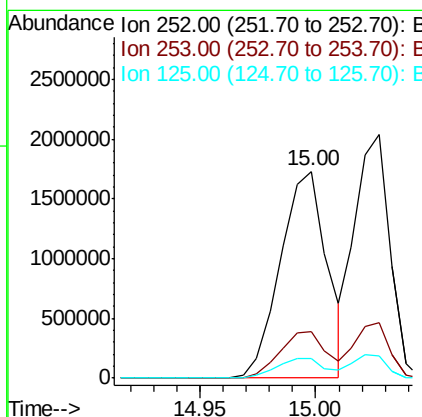
Manual Integrations
APPROVED

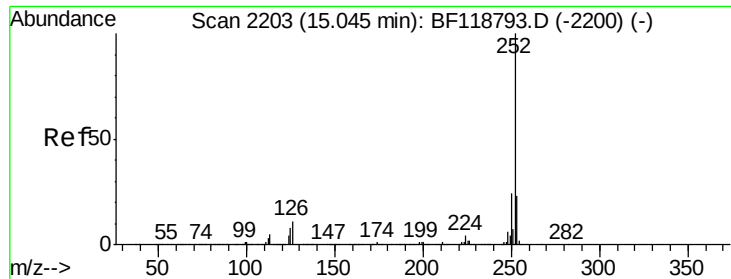
mohammad
2/6/2020 2:17:11 PM



#88
Benzo(b)fluoranthene
Concen: 48.915 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	9.7	8.1	12.1





#89

Benzo(k)fluoranthene

Concen: 50.007 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.02 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

Instrument :

BNA_F

ClientSampled :

TP-1MSD

Tot Ion:252 Resp: 2161391

Ion Ratio Lower Upper

252 100

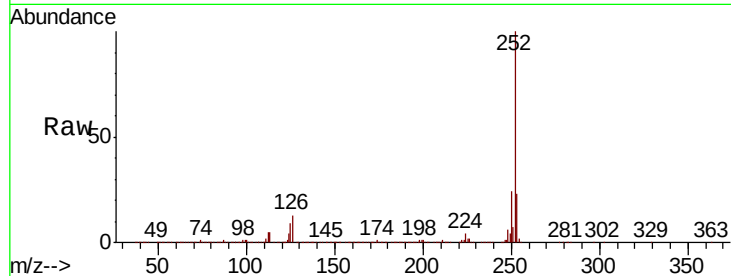
253 22.7 18.2 27.4

125 9.1 7.0 10.6

Manual Integrations
APPROVED

mohammad

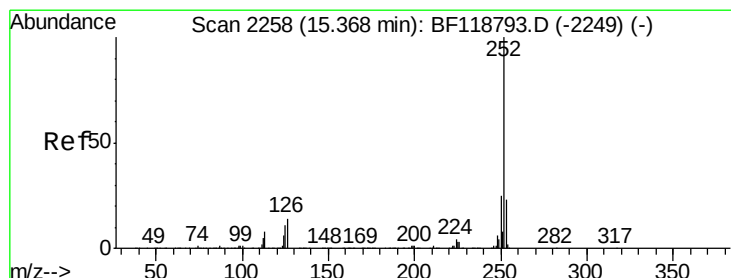
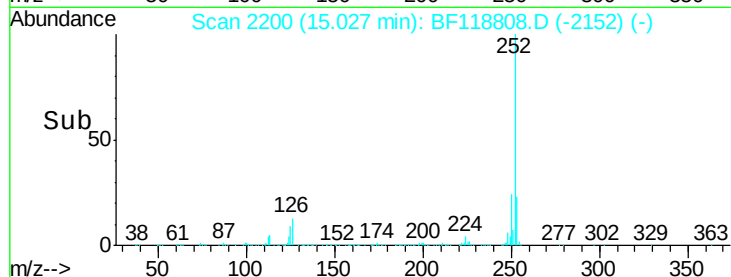
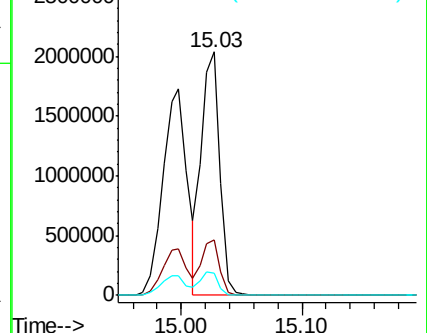
2/6/2020 2:17:11 PM



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 48.749 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.02 min

Lab File: BF118808.D

Acq: 4 Feb 2020 18:26

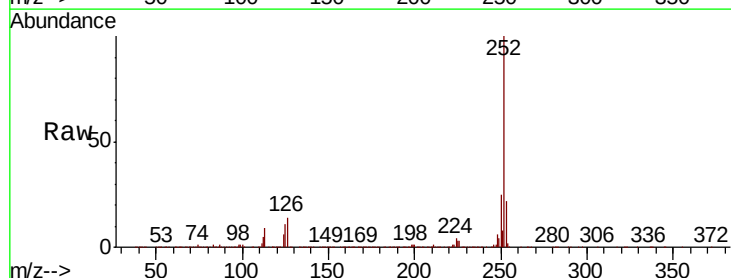
Tgt Ion:252 Resp: 2070757

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

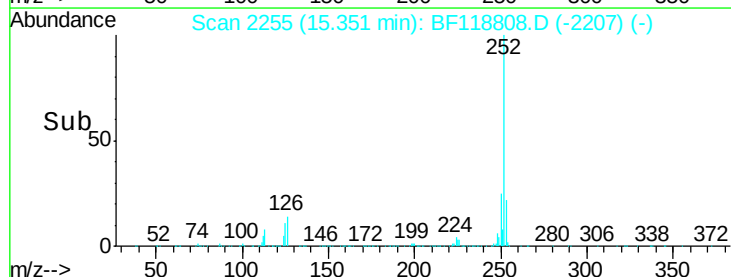
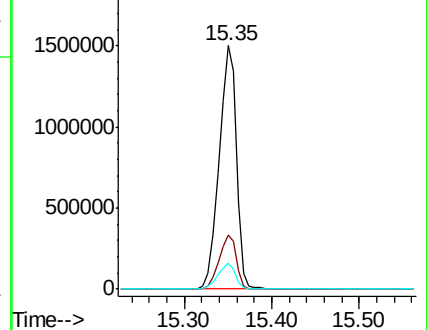
125 10.9 8.7 13.1

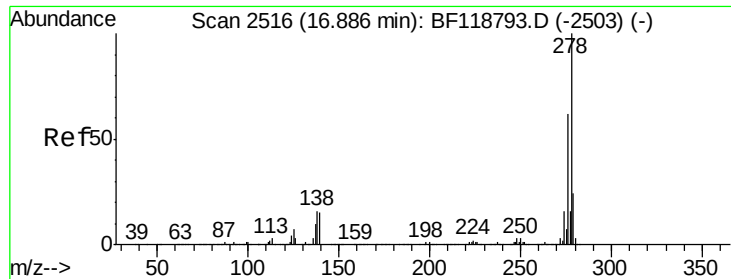


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





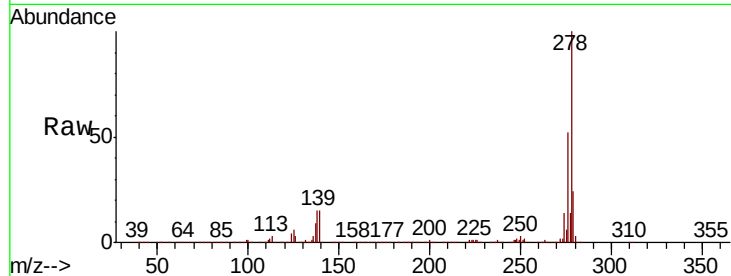
#91
Dibenzo(a,h)anthracene
Concen: 54.666 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.02 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Instrument :
BNA_F
ClientSampleId :
TP-1MSD

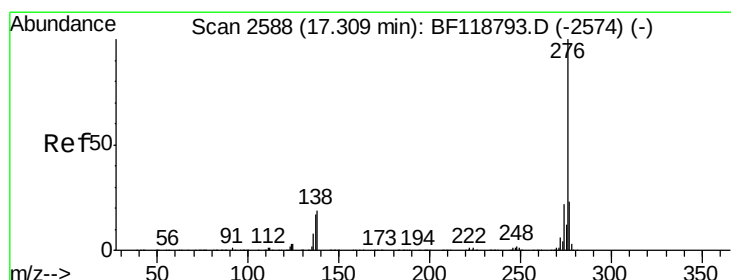
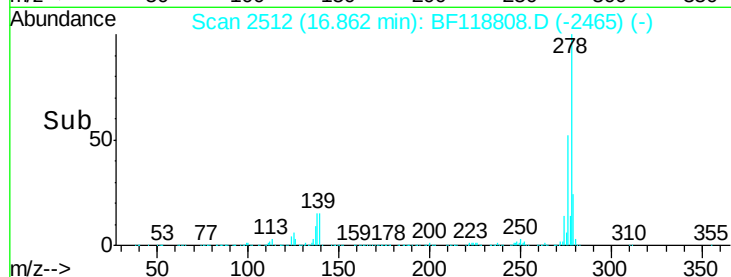
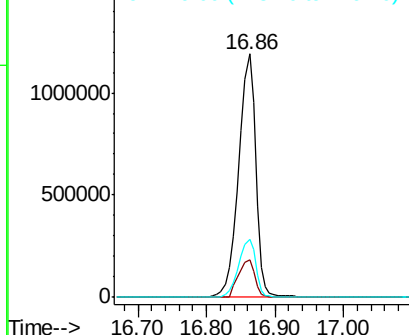
Tot Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.3	18.5
279	24.0	19.1	28.7

Manual Integrations
APPROVED

mohammad
2/6/2020 2:17:11 PM

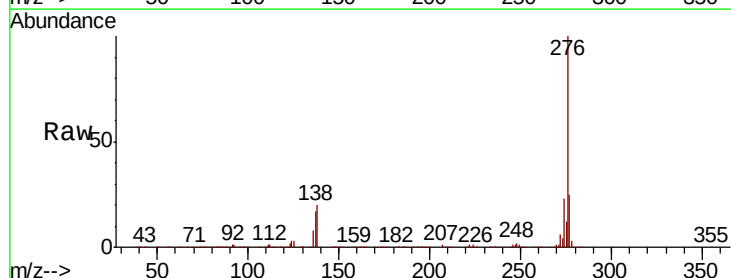


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 58.265 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.03 min
Lab File: BF118808.D
Acq: 4 Feb 2020 18:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.7	28.1
138	20.1	15.4	23.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

