

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011916\
 Data File : BF084559.D
 Acq On : 19 Jan 2016 18:29
 Operator : SJ/UM
 Sample : H1169-07MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

Manual Integrations
 APPROVED

mohammad
 1/20/2016 2:22:50 PM

Quant Time: Jan 20 03:40:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	208321	20.00	ng	-0.03
21) Naphthalene-d8	8.09	136	830348	20.00	ng	-0.03
38) Acenaphthene-d10	9.84	164	354415	20.00	ng	-0.03
63) Phenanthrene-d10	11.32	188	609412	20.00	ng	-0.03
75) Chrysene-d12	13.95	240	365601	20.00	ng	-0.05
86) Perylene-d12	15.36	264	414923	20.00	ng	-0.06

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1605039	124.62	ng	-0.03
7) Phenol-d6	6.45	99	2135952	132.05	ng	-0.02
23) Nitrobenzene-d5	7.37	82	1303036	87.34	ng	-0.03
41) 2,4,6-Tribromophenol	10.64	330	459284	128.36	ng	-0.03
44) 2-Fluorobiphenyl	9.16	172	1738012	86.37	ng	-0.03
78) Terphenyl-d14	12.90	244	1274672	77.83	ng	-0.05

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.41	88	226370	37.10	ng	# 77
3) Pyridine	3.10	79	536568	31.54	ng	# 64
4) n-Nitrosodimethylamine	3.06	42	311097	35.63	ng	# 75
6) Aniline	6.46	93	499339	21.10	ng	# 12
8) 2-Chlorophenol	6.58	128	642357	43.96	ng	# 81
9) Benzaldehyde	6.34	77	34433	3.27	ng	# 72
10) Phenol	6.46	94	844587	45.92	ng	96
11) bis(2-Chloroethyl)ether	6.53	93	649596	45.60	ng	# 82
12) 1,3-Dichlorobenzene	6.74	146	675698	44.83	ng	98
13) 1,4-Dichlorobenzene	6.81	146	648750	42.92	ng	97
14) 1,2-Dichlorobenzene	6.97	146	654810	45.23	ng	100
15) Benzyl Alcohol	6.94	79	522024	38.36	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.08	45	1010738	38.96	ng	88
17) 2-Methylphenol	7.07	107	562512	45.93	ng	93
18) Hexachloroethane	7.31	117	283137m	46.84	ng	
19) n-Nitroso-di-n-propylamine	7.22	70	447904	40.91	ng	# 74
20) 3+4-Methylphenols	7.22	107	620545	43.11	ng	# 67
22) Acetophenone	7.21	105	979461	49.05	ng	96
24) Nitrobenzene	7.39	77	726743	48.03	ng	# 86
25) Isophorone	7.63	82	1320050	46.26	ng	97
26) 2-Nitrophenol	7.70	139	331272	48.10	ng	# 81
27) 2,4-Dimethylphenol	7.74	122	567589	40.72	ng	97
28) bis(2-Chloroethoxy)methane	7.84	93	766473	43.98	ng	97
29) 2,4-Dichlorophenol	7.95	162	559205	48.16	ng	98
30) 1,2,4-Trichlorobenzene	8.03	180	568510	47.42	ng	# 93
31) Naphthalene	8.11	128	2025559	53.77	ng	98
32) Benzoic acid	7.84	122	63602	12.42	ng	95
33) 4-Chloroaniline	8.16	127	375785	21.76	ng	98
34) Hexachlorobutadiene	8.22	225	302524	43.90	ng	97
35) Caprolactam	8.53	113	208173m	53.18	ng	
36) 4-Chloro-3-methylphenol	8.66	107	610381	46.93	ng	90
37) 2-Methylnaphthalene	8.80	142	1204789	44.55	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	513028	50.35	ng	98
40) Hexachlorocyclopentadiene	8.96	237	389461	63.32	ng	99

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011916\
 Data File : BF084559.D
 Acq On : 19 Jan 2016 18:29
 Operator : SJ/UM
 Sample : H1169-07MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

Manual Integrations
 APPROVED

mohammad
 1/20/2016 2:22:50 PM

Quant Time: Jan 20 03:40:59 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.08	196	365674	47.97	nq	95
43) 2,4,5-Trichlorophenol	9.13	196	341615	46.75	nq	# 84
45) 1,1'-Biphenyl	9.26	154	1415929	50.27	nq	99
46) 2-Chloronaphthalene	9.29	162	1044616	47.21	nq	94
47) 2-Nitroaniline	9.39	65	398343	54.55	nq	# 76
48) Acenaphthylene	9.70	152	1479930	45.27	nq	97
49) Dimethylphthalate	9.57	163	1606401	63.40	nq	# 90
50) 2,6-Dinitrotoluene	9.63	165	276688	49.79	nq	# 62
51) Acenaphthene	9.87	154	1035900	47.24	nq	98
52) 3-Nitroaniline	9.80	138	246361	35.78	nq	# 67
53) 2,4-Dinitrophenol	9.90	184	178435	75.58	nq	92
54) Dibenzofuran	10.04	168	1238037	43.50	nq	# 88
55) 4-Nitrophenol	9.97	139	373342	74.69	nq	# 77
56) 2,4-Dinitrotoluene	10.03	165	326600	46.44	nq	# 88
57) Fluorene	10.38	166	959408	43.62	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.17	232	298503	47.84	nq	90
59) Diethylphthalate	10.27	149	1233710	49.38	nq	98
60) 4-Chlorophenyl-phenylether	10.38	204	493043	54.97	nq	# 87
61) 4-Nitroaniline	10.41	138	251509	40.97	nq	93
62) Azobenzene	10.54	77	1243081	45.37	nq	93
64) 4,6-Dinitro-2-methylphenol	10.44	198	176018	47.66	nq	97
65) n-Nitrosodiphenylamine	10.50	169	923659	47.40	nq	97
66) 4-Bromophenyl-phenylether	10.86	248	301228	45.92	nq	# 70
67) Hexachlorobenzene	10.93	284	325384	44.07	nq	# 93
68) Atrazine	11.04	200	298176	46.76	nq	91
69) Pentachlorophenol	11.13	266	302828	79.11	nq	98
70) Phenanthrene	11.34	178	1457436	45.72	nq	97
71) Anthracene	11.40	178	1520036	48.64	nq	100
72) Carbazole	11.55	167	1176792	38.52	nq	99
73) Di-n-butylphthalate	11.89	149	1677969	54.44	nq	98
74) Fluoranthene	12.53	202	1524198	45.77	nq	94
76) Benzidine	12.66	184	73122	5.58	nq	98
77) Pyrene	12.76	202	1466675	51.12	nq	99
79) Butylbenzylphthalate	13.38	149	523548	42.17	nq	87
80) Benzo(a)anthracene	13.94	228	1058559	49.31	nq	98
81) 3,3'-Dichlorobenzidine	13.91	252	283841	37.89	nq	# 96
82) Chrysene	13.99	228	1009759	48.95	nq	99
83) Bis(2-ethylhexyl)phthalate	13.94	149	714940	45.58	nq	100
84) Di-n-octyl phthalate	14.56	149	1252817	47.31	nq	# 88
85) Indeno(1,2,3-cd)pyrene	16.73	276	1257609	76.91	nq	100
87) Benzo(b)fluoranthene	14.97	252	1283417m	47.29	nq	
88) Benzo(k)fluoranthene	14.99	252	873728m	39.36	nq	
89) Benzo(a)pyrene	15.31	252	1092078	47.44	nq	98
90) Dibenzo(a,h)anthracene	16.74	278	998632	50.41	nq	99
91) Benzo(g,h,i)perylene	17.14	276	1055869	51.47	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

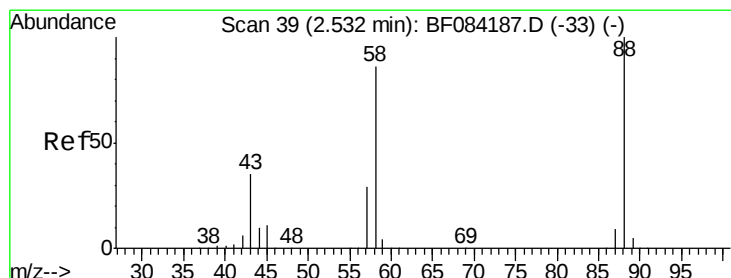
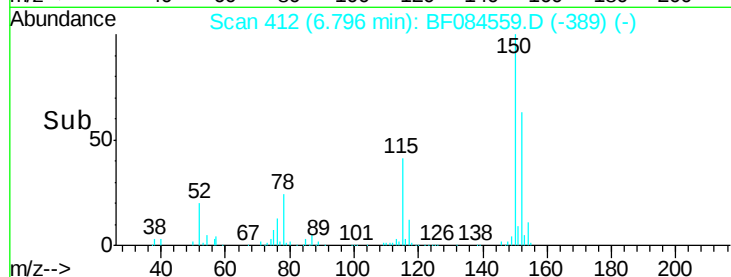
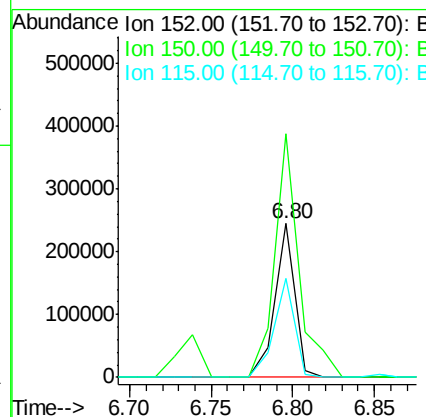
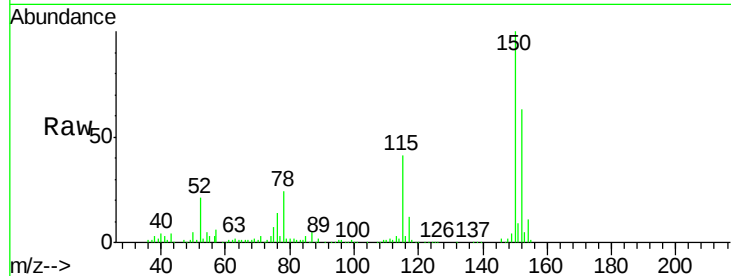
ClientSampleId :

SP-004(0-2)MSD

Tot Ion:	152	Resp:	208321
Ion Ratio	Lower	Upper	
152	100		
150	158.6	123.0	184.4
115	64.5	51.4	77.2

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#2

1,4-Dioxane

Concen: 37.10 ng

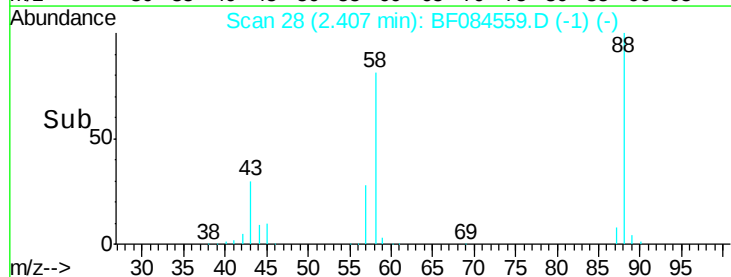
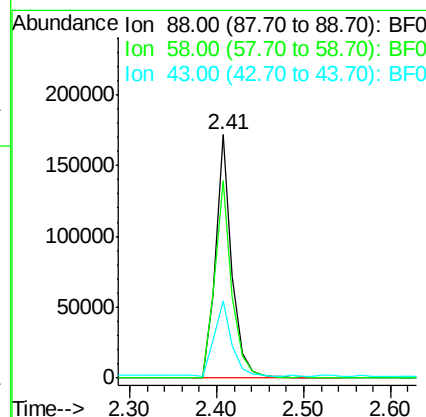
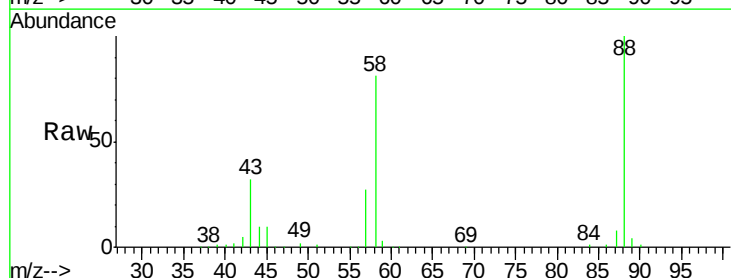
RT: 2.41 min Scan# 28

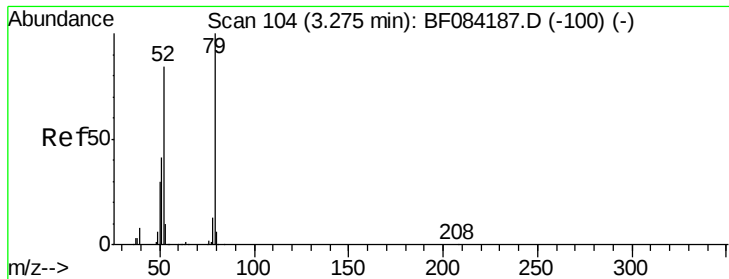
Delta R.T. 0.01 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt Ion:	88	Resp:	226370
Ion Ratio	Lower	Upper	
88	100		
58	83.4	51.2	76.8#
43	32.7	19.5	29.3#





#3

Pvridine

Concen: 31.54 ng

RT: 3.10 min Scan# 89

Delta R.T. -0.02 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

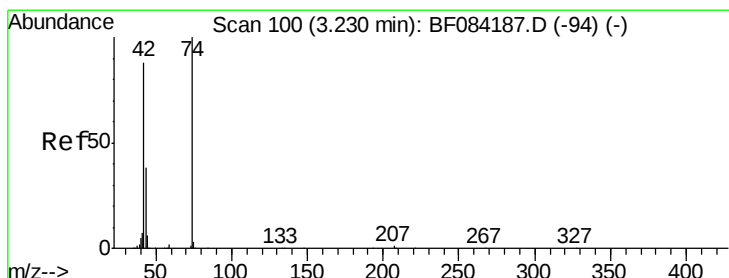
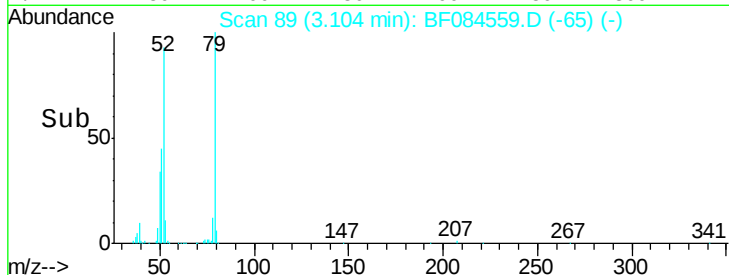
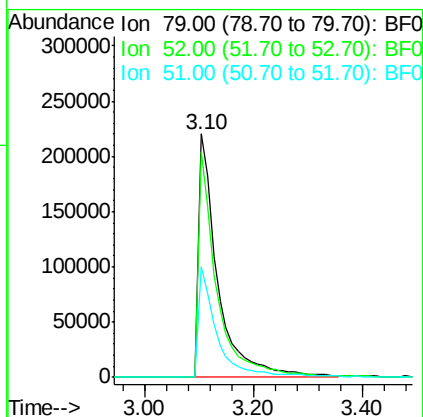
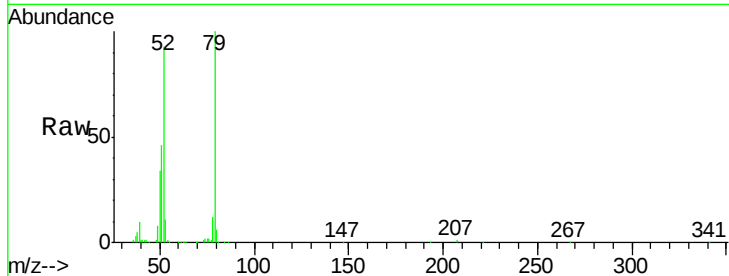
ClientSampleId :

SP-004(0-2)MSD

Tot Ion:	79	Resp:	536568
Ion Ratio	Lower	Upper	
79	100		
52	92.7	49.0	73.4#
51	45.5	25.2	37.8#

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#4

n-Nitrosodimethylamine

Concen: 35.63 ng

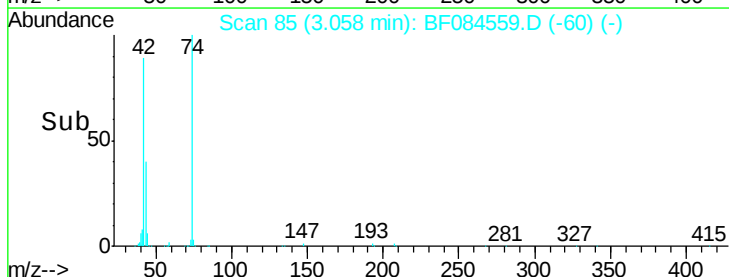
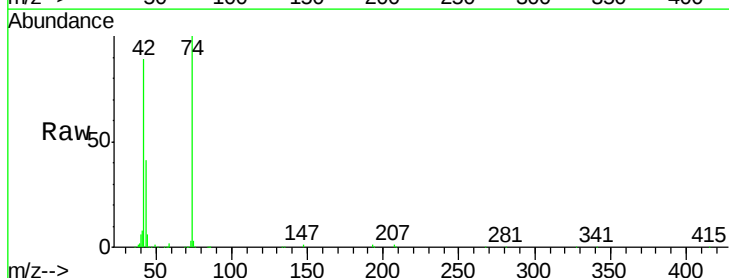
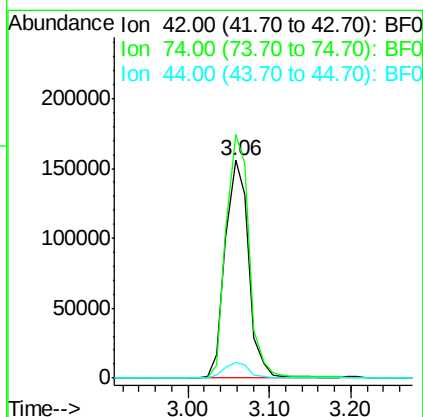
RT: 3.06 min Scan# 85

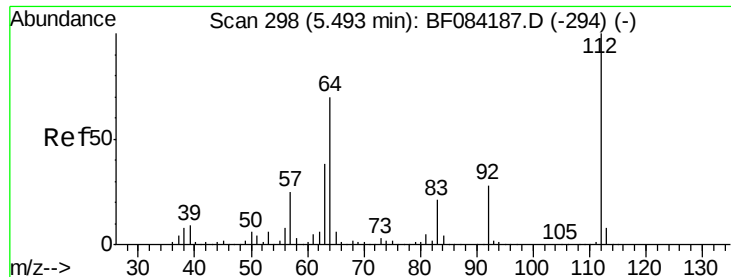
Delta R.T. -0.01 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt Ion:	42	Resp:	311097
Ion Ratio	Lower	Upper	
42	100		
74	112.0	115.7	173.5#
44	7.2	5.1	7.7





#5

2-Fluorophenol

Concen: 124.62 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

Tot Ion:112 Resp: 1605039

Ion Ratio Lower Upper

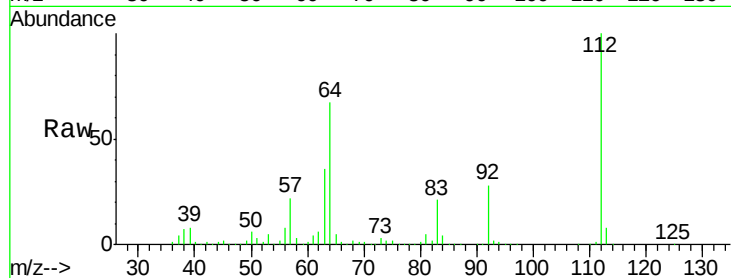
112 100

64 67.0 36.6 55.0#

63 35.5 19.4 29.0#

Manual Integrations
APPROVED

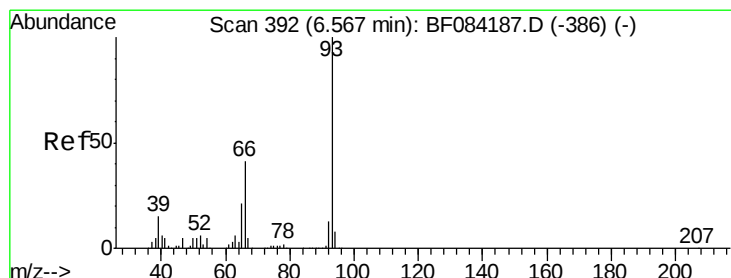
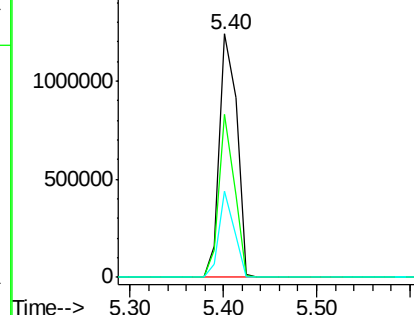
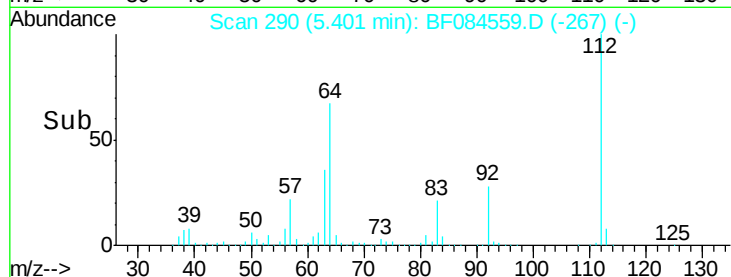
mohammad
1/20/2016 2:22:50 PM



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 21.10 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

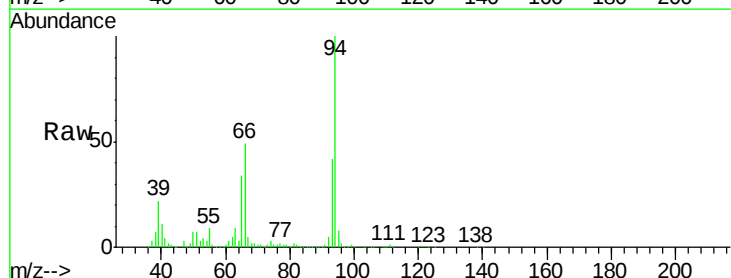
Tgt Ion: 93 Resp: 499339

Ion Ratio Lower Upper

93 100

66 117.3 44.9 67.3#

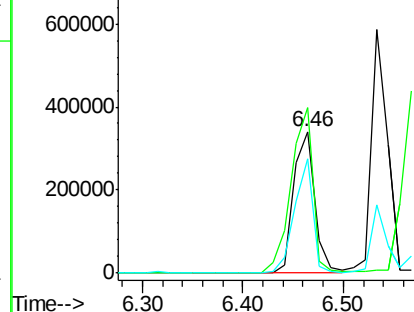
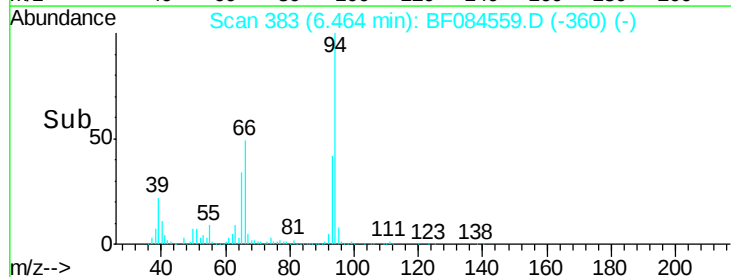
65 80.7 23.7 35.5#

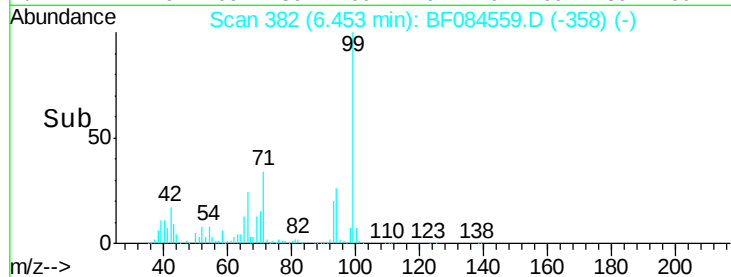
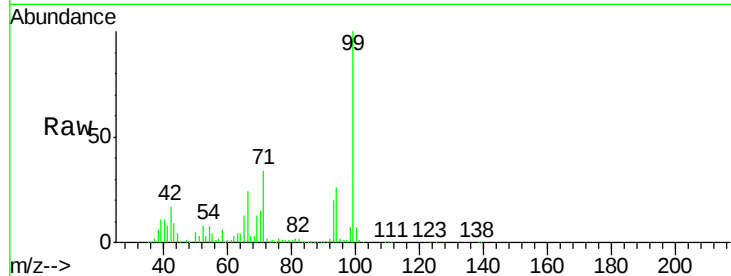


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 132.05 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tot Ion:	99	Resp:	2135952
Ion	Ratio	Lower	Upper
99	100		
42	17.4	12.8	19.2
71	33.9	30.9	46.3

Instrument :

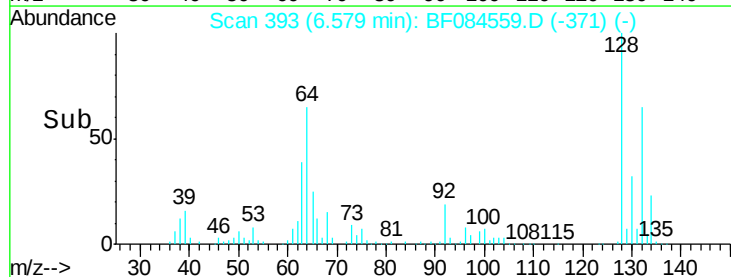
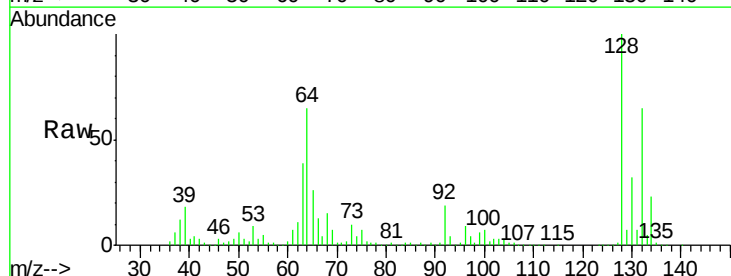
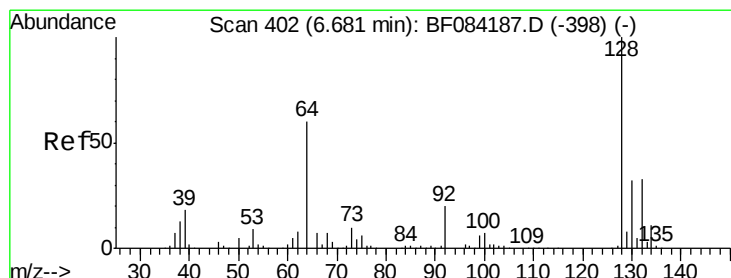
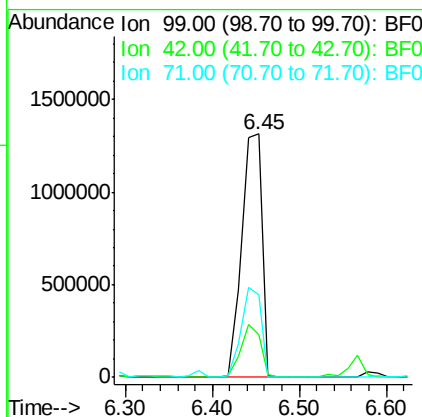
BNA_F

ClientSampleId :

SP-004(0-2)MSD

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#8

2-Chlorophenol

Concen: 43.96 ng

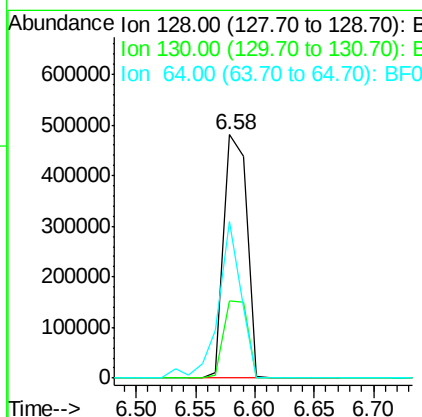
RT: 6.58 min Scan# 393

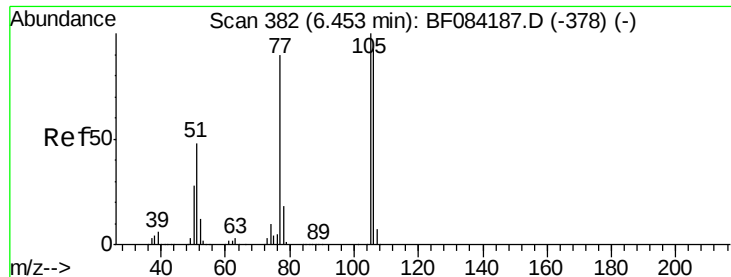
Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt Ion:	128	Resp:	642357
Ion	Ratio	Lower	Upper
128	100		
130	31.8	11.6	51.6
64	64.5	23.8	63.8#





#9

Benzaldehyde

Concen: 3.27 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

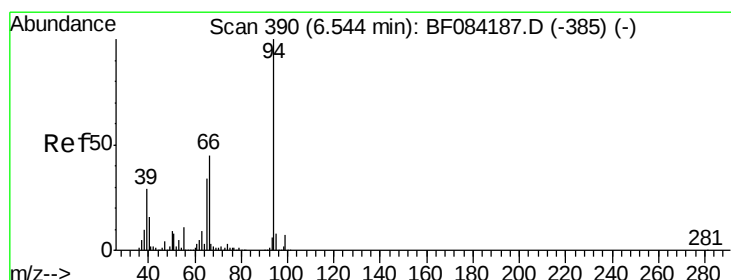
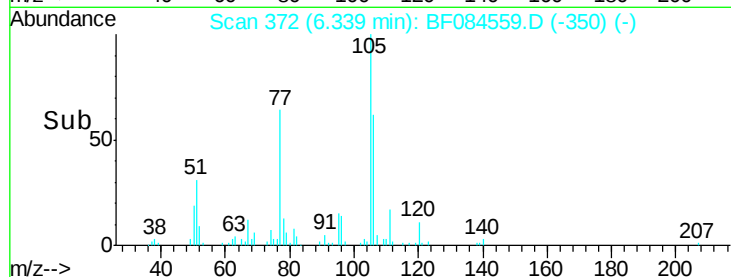
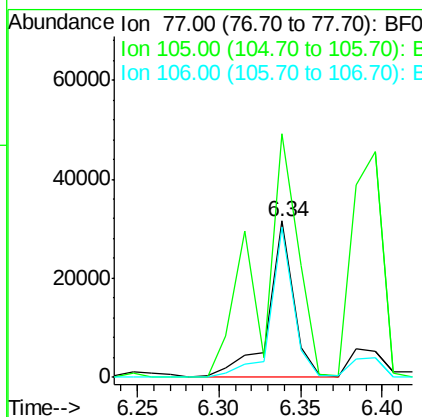
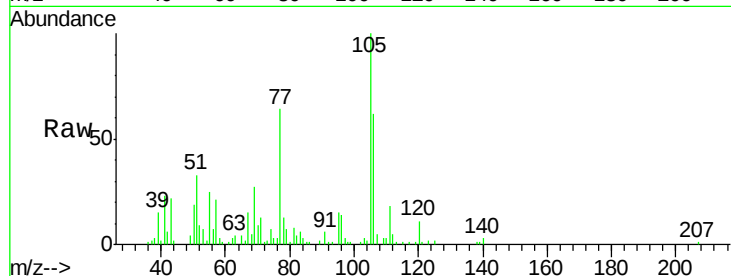
ClientSampleId :

SP-004(0-2)MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	155.7	83.0	123.0#
106	96.5	74.6	114.6

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#10

Phenol

Concen: 45.92 ng

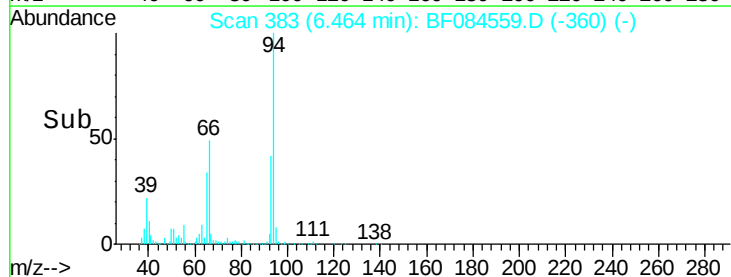
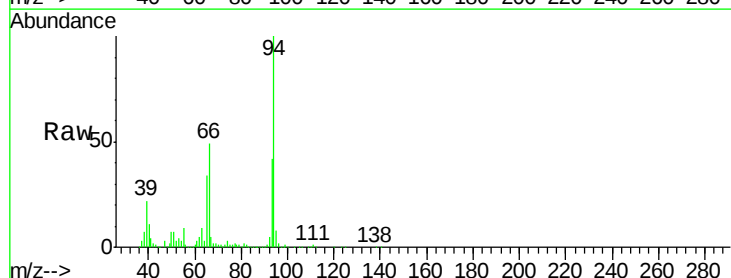
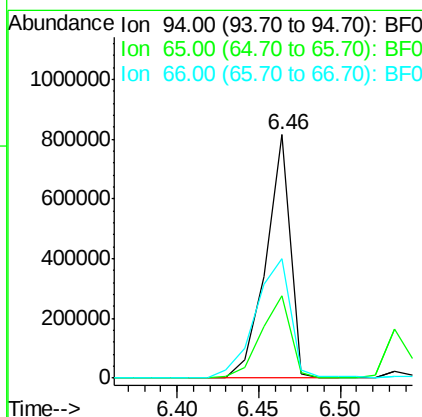
RT: 6.46 min Scan# 383

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Lower	Upper
94	100		
65	33.7	12.9	52.9
66	49.0	32.7	72.7





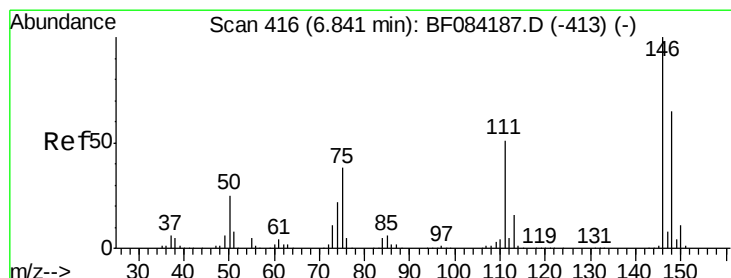
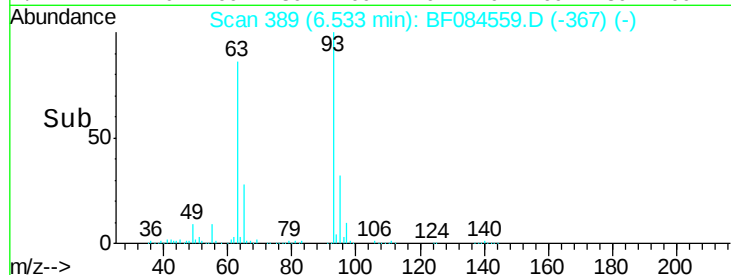
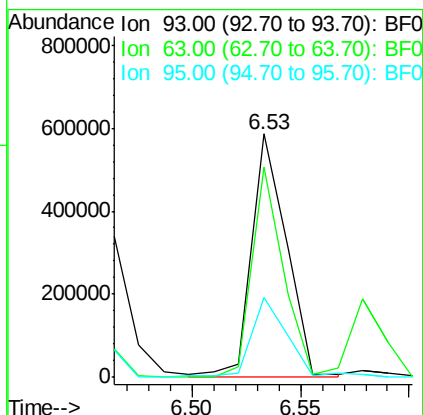
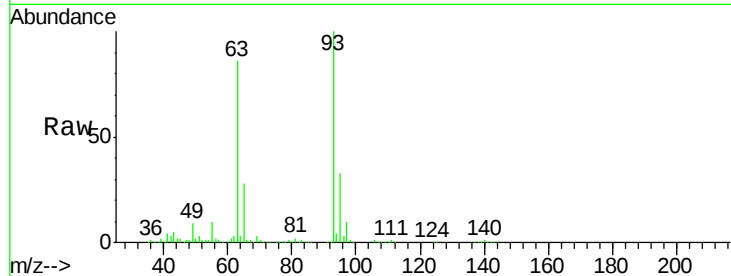
#11
bis(2-Chloroethyl)ether
Concen: 45.60 ng
RT: 6.53 min Scan# 389
Delta R.T. -0.05 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tot Ion	Ratio	Resp Lower	Upper
93	100		
63	86.2	45.9	85.9#
95	33.0	12.3	52.3

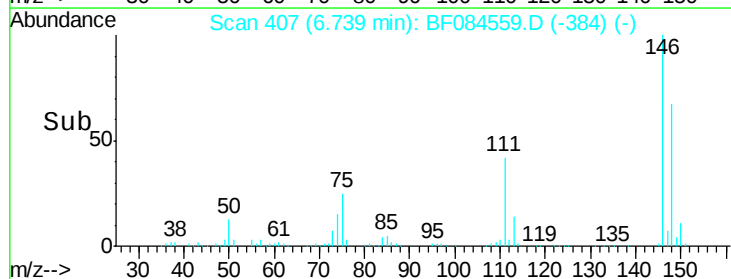
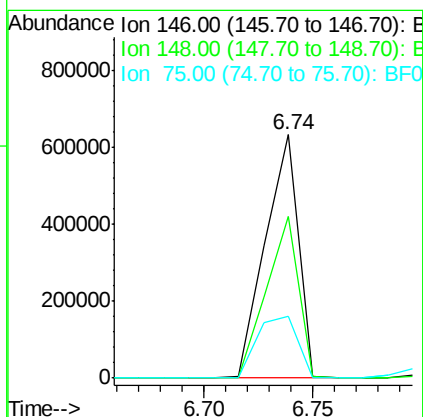
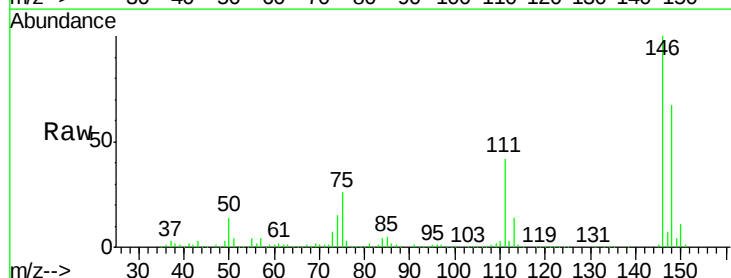
Manual Integrations
APPROVED

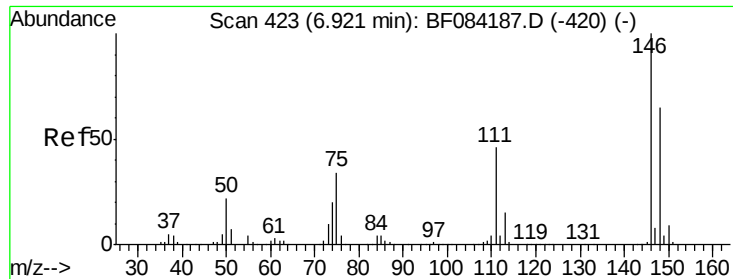
mohammad
1/20/2016 2:22:50 PM



#12
1,3-Dichlorobenzene
Concen: 44.83 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Resp Lower	Upper
146	100		
148	66.6	51.9	77.9
75	25.6	20.5	30.7





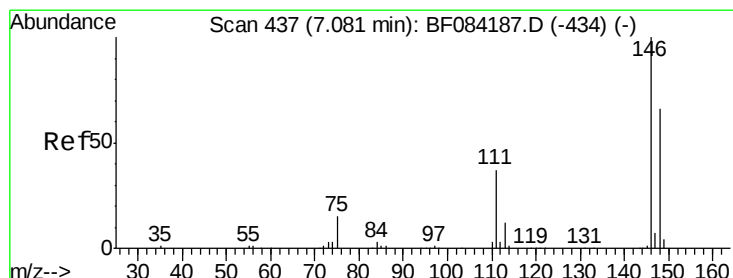
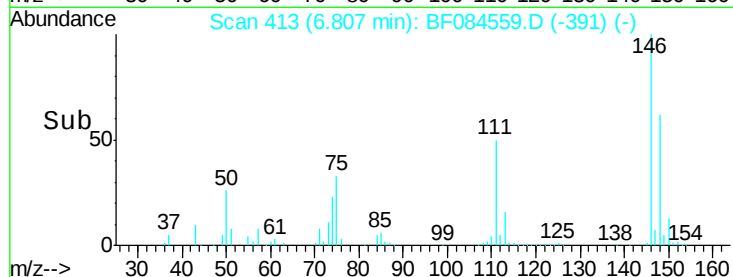
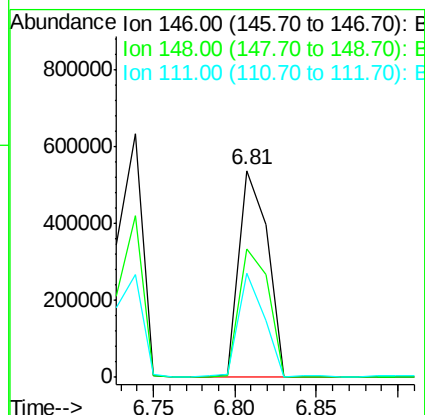
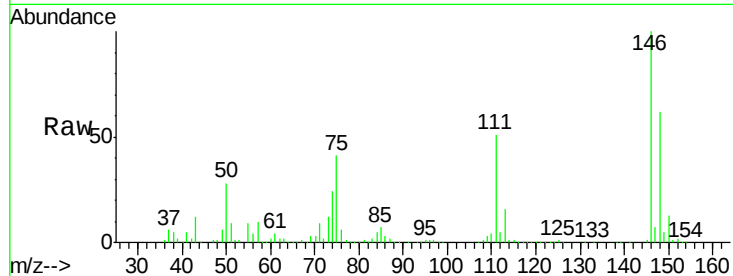
#13
 1,4-Dichlorobenzene
 Concen: 42.92 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.05 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	61.9	51.9	77.9
111	50.5	41.6	62.4

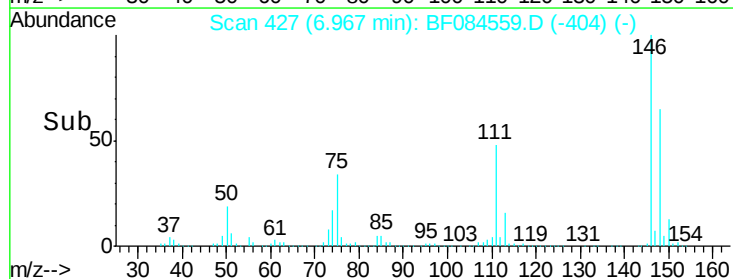
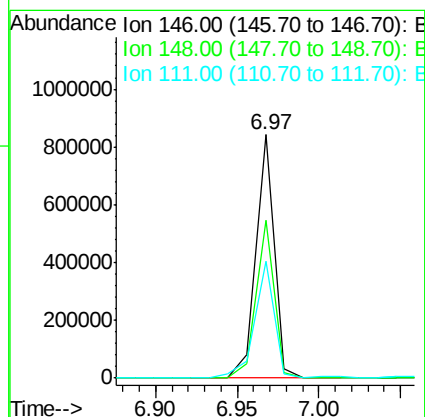
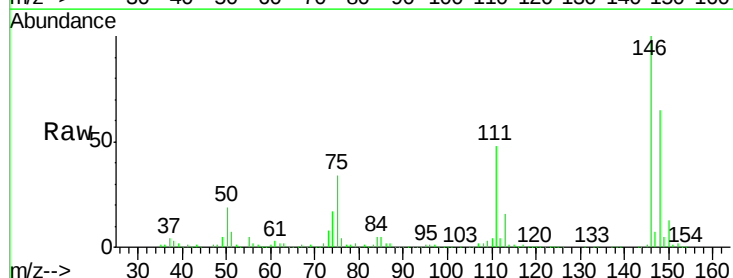
Manual Integrations
 APPROVED

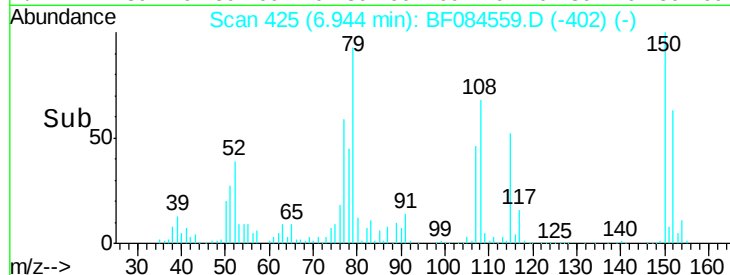
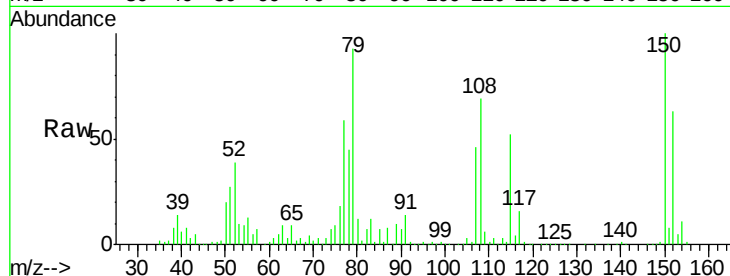
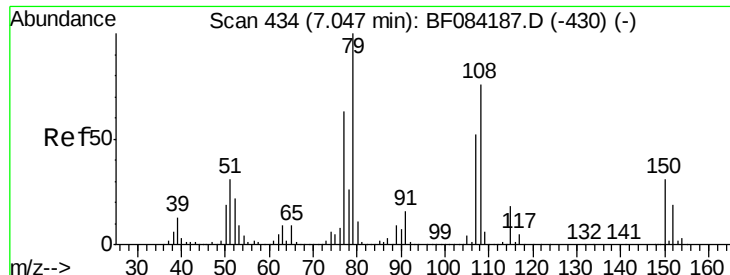
mohammad
 1/20/2016 2:22:50 PM



#14
 1,2-Dichlorobenzene
 Concen: 45.23 ng
 RT: 6.97 min Scan# 427
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.6	77.4
111	48.1	38.0	57.0





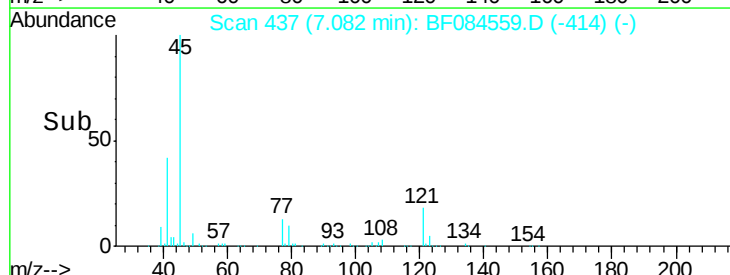
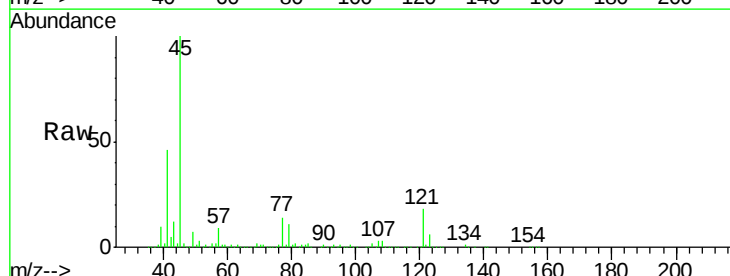
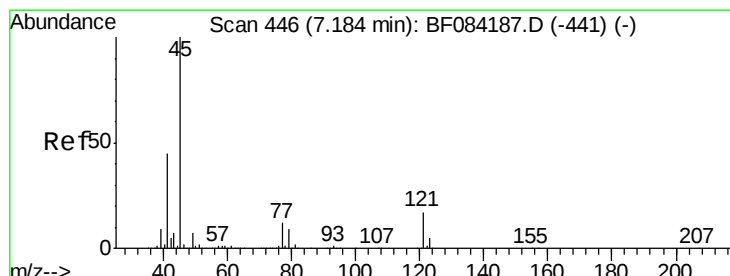
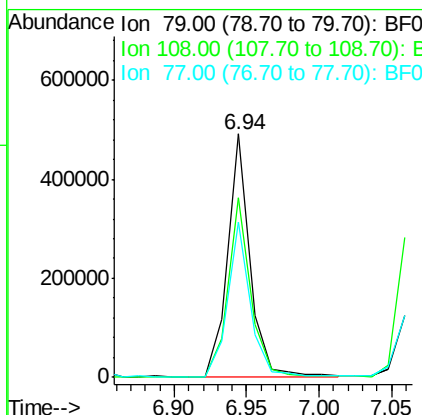
#15
Benzyl Alcohol
Concen: 38.36 ng
RT: 6.94 min Scan# 425
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tot Ion	Ratio	Lower	Upper
79	100		
108	73.9	69.0	103.4
77	63.7	50.0	75.0

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

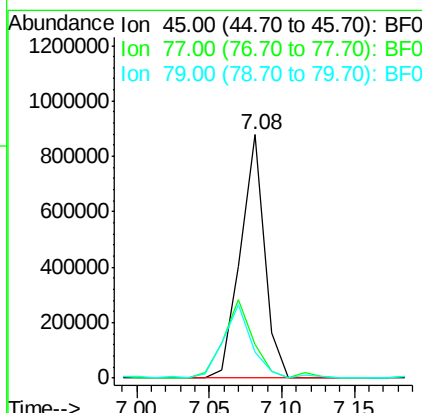
Manual Integrations
APPROVED

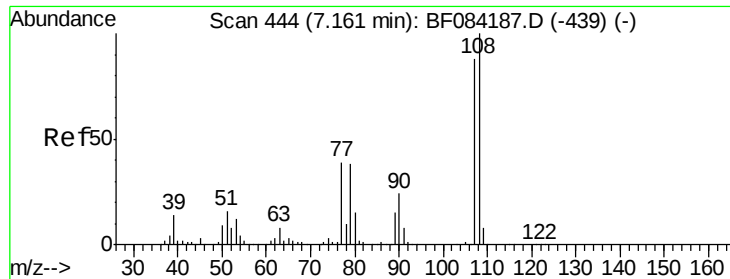
mohammad
1/20/2016 2:22:50 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.96 ng
RT: 7.08 min Scan# 437
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.7	0.0	39.6
79	10.5	0.0	35.0





#17

2-Methylphenol

Concen: 45.93 ng

RT: 7.07 min Scan# 436

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

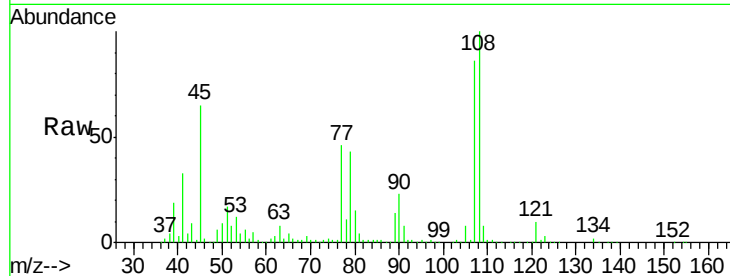
ClientSampleId :

SP-004(0-2)MSD

Tot Ion:	107	Resp:	562512
Ion Ratio	Lower	Upper	
107	100		
108	116.4	89.8	134.6
77	53.0	35.7	53.5
79	50.2	35.7	53.5

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM

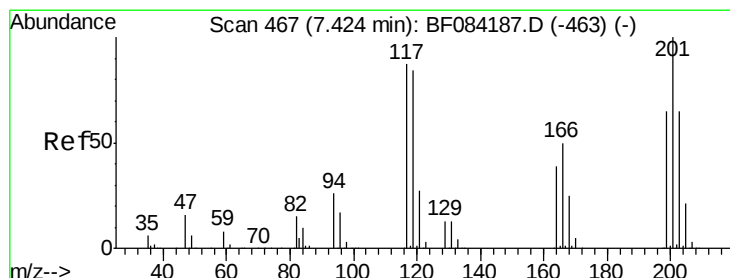
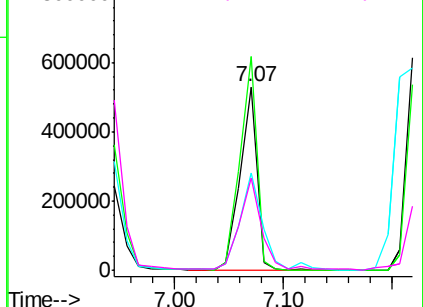
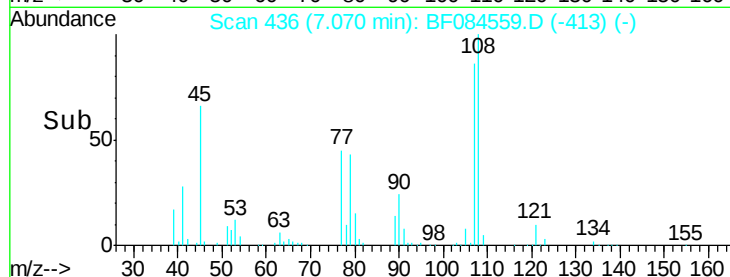


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 46.84 ng m

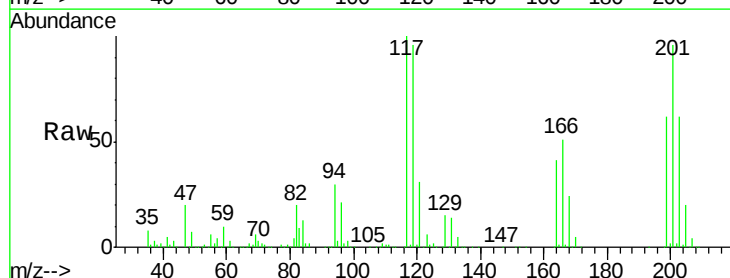
RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

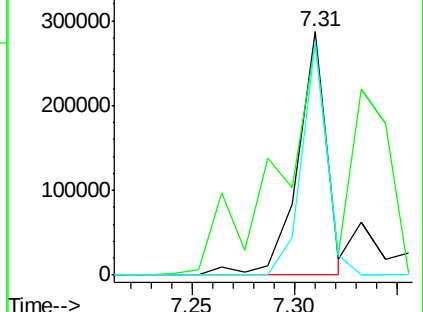
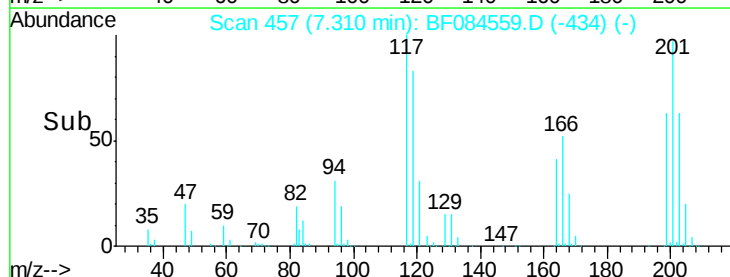
Tgt Ion:	117	Resp:	283137
Ion Ratio	Lower	Upper	
117	100		
119	95.6	77.4	116.0
201	95.7	68.6	103.0

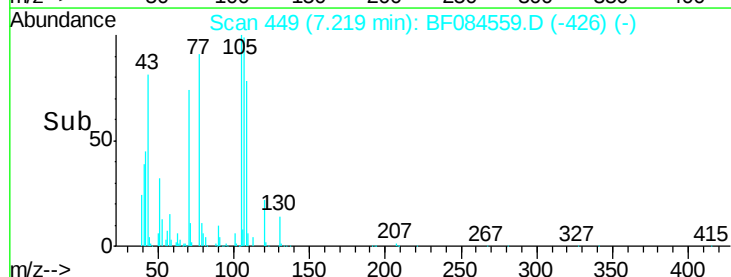
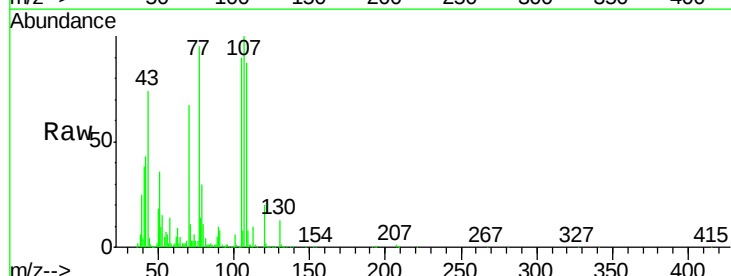
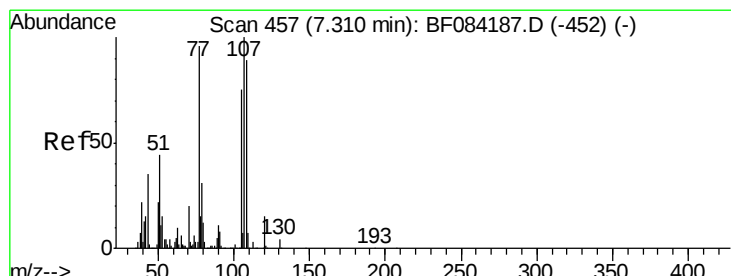
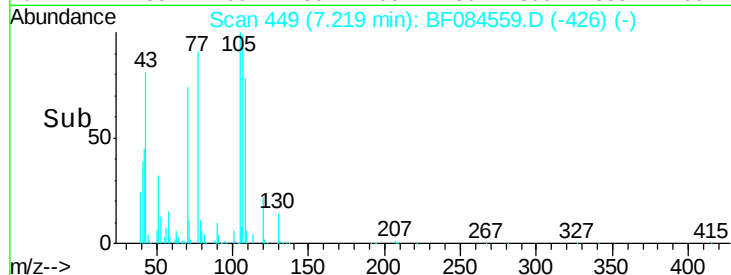
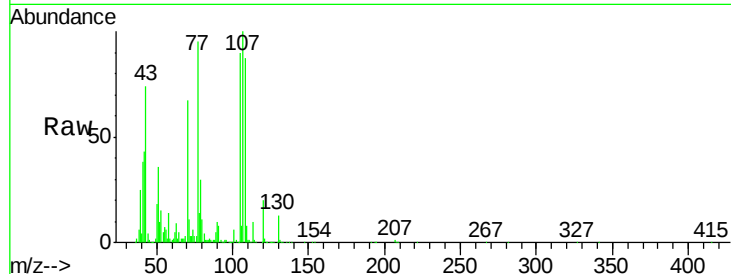
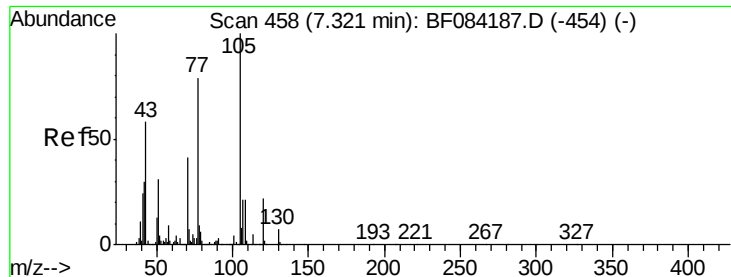


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





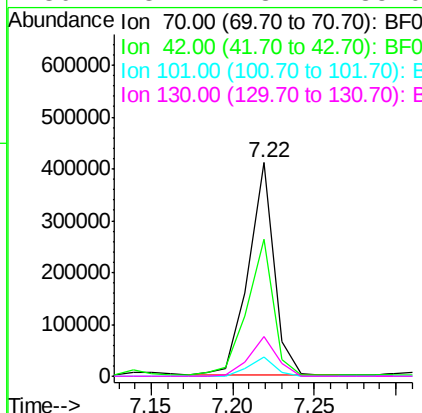
#19
n-Nitroso-di-n-propylamine
Concen: 40.91 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	63.9	33.3	49.9#
101	9.1	9.3	13.9#
130	18.7	23.4	35.0#

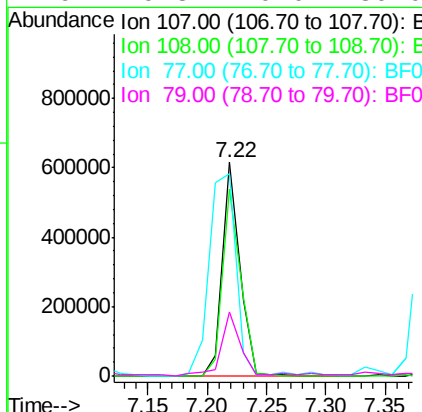
Manual Integrations
APPROVED

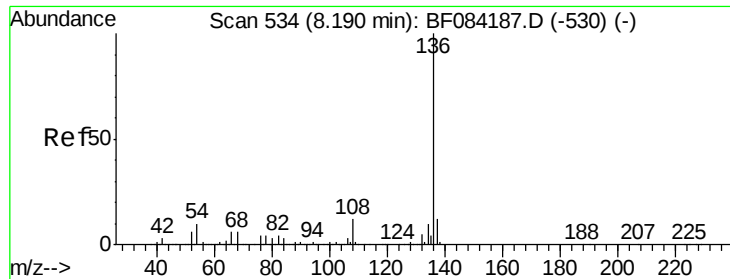
mohammad
1/20/2016 2:22:50 PM



#20
3+4-Methylphenols
Concen: 43.11 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.3	74.6	114.6
77	94.9	0.7	40.7#
79	29.8	0.0	39.0





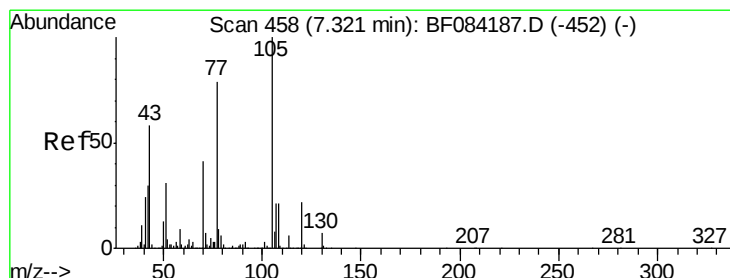
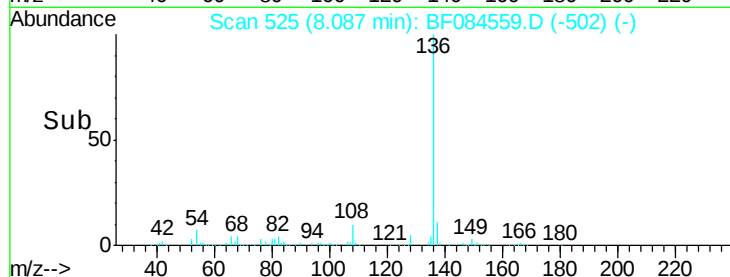
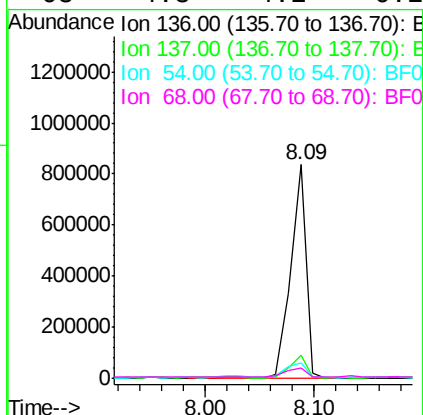
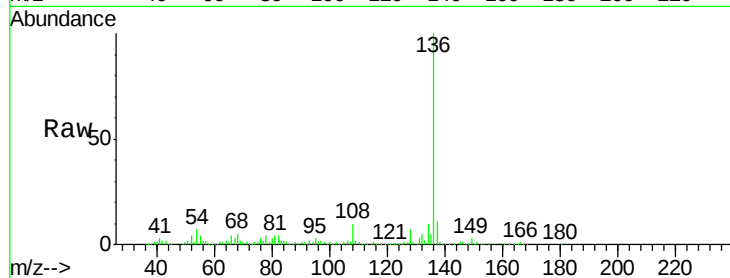
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		830348		
137	11.1		8.7	13.1	
54	7.3		5.8	8.8	
68	4.8		4.2	6.2	

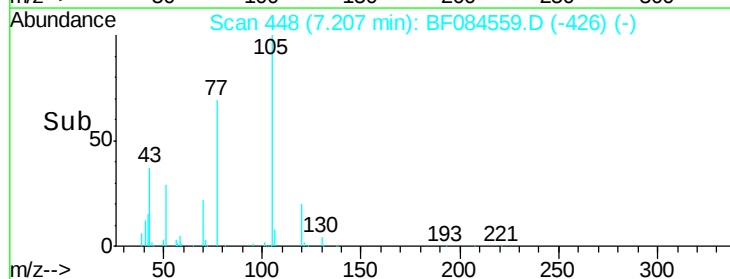
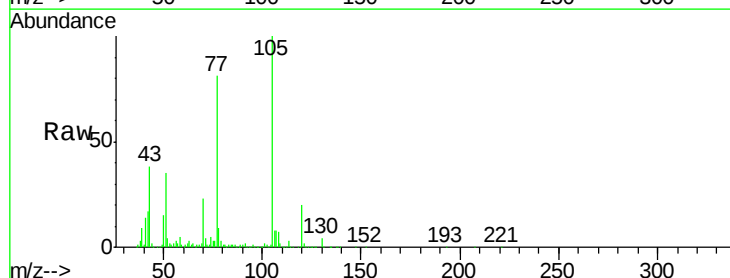
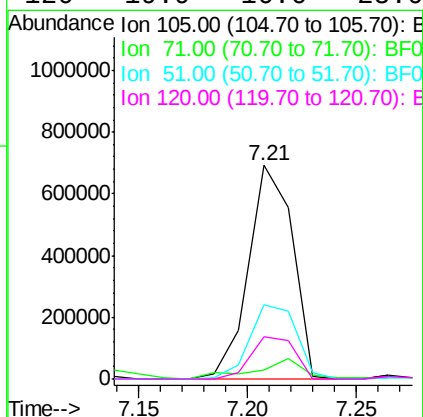
Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#22
Acetophenone
Concen: 49.05 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.05 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		979461		
71	4.4		3.7	5.5	
51	34.6		25.1	37.7	
120	19.9		16.6	25.0	





#23

Nitrobenzene-d5

Concen: 87.34 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

Tot Ion: 82 Resp: 1303036

Ion Ratio Lower Upper

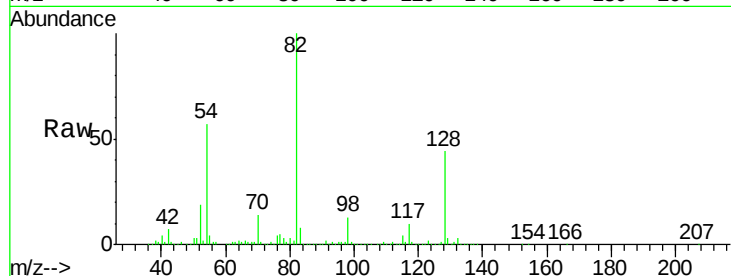
82 100

128 44.3 34.6 51.8

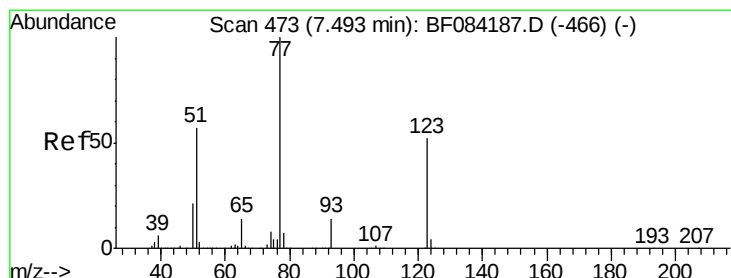
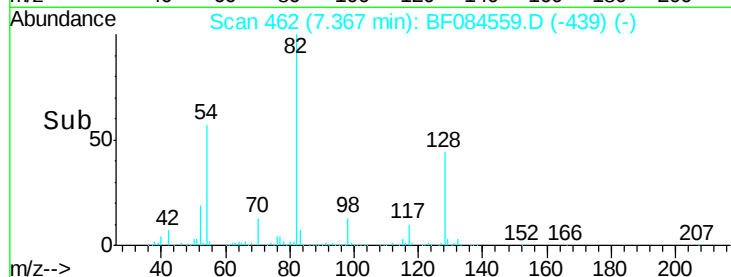
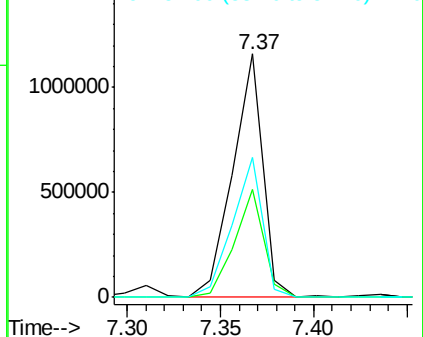
54 57.3 38.4 57.6

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 48.03 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

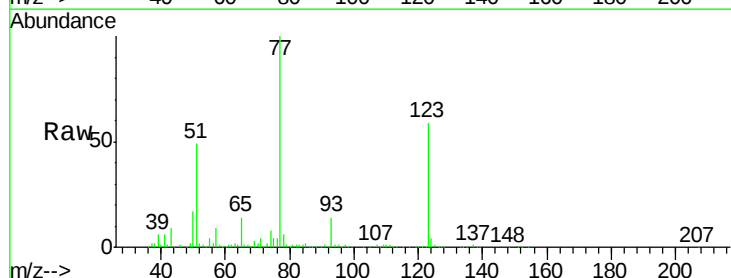
Tgt Ion: 77 Resp: 726743

Ion Ratio Lower Upper

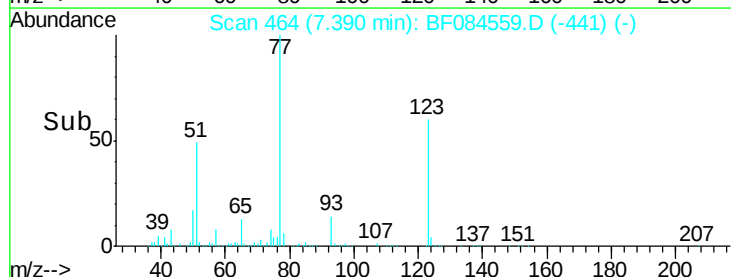
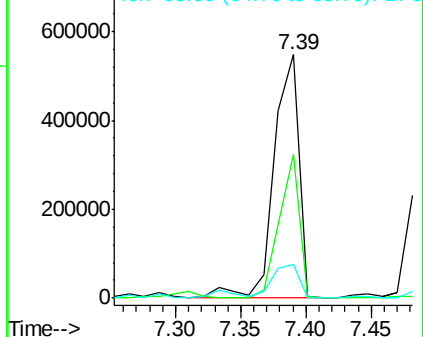
77 100

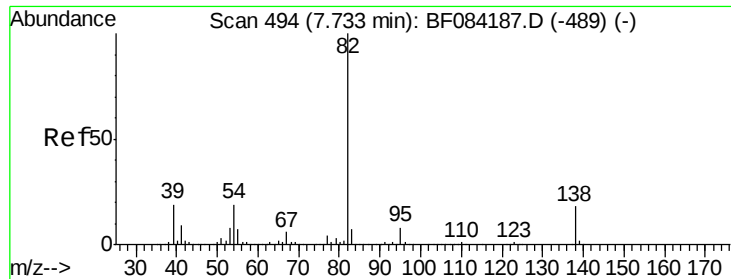
123 59.2 37.4 56.2#

65 13.7 10.9 16.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 46.26 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

Tot Ion: 82 Resp: 1320050

Ion Ratio Lower Upper

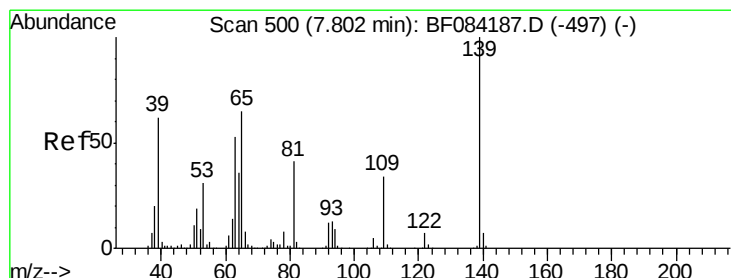
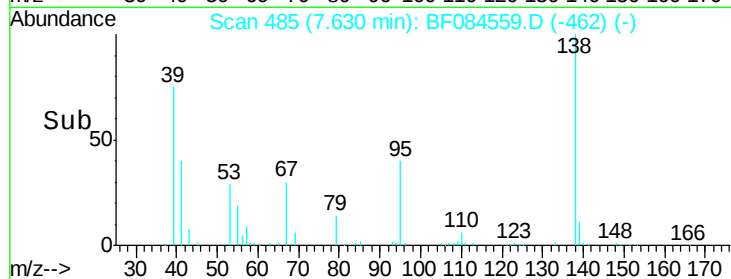
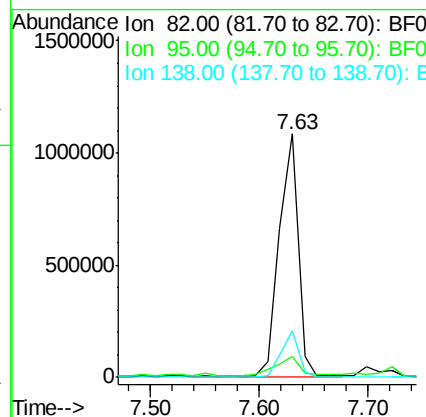
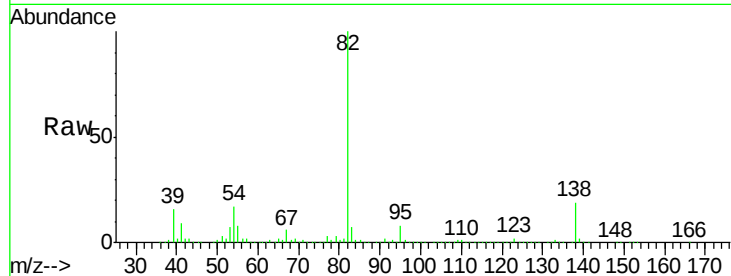
82 100

95 8.4 6.6 10.0

138 19.0 13.6 20.4

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#26

2-Nitrophenol

Concen: 48.10 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

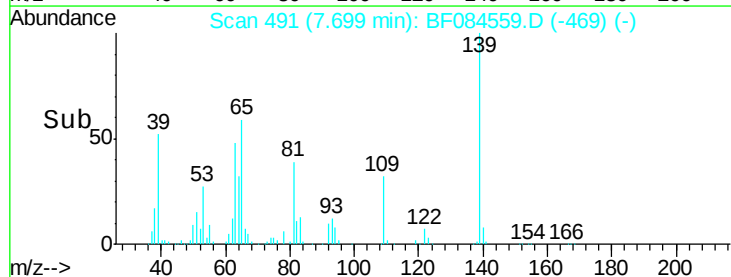
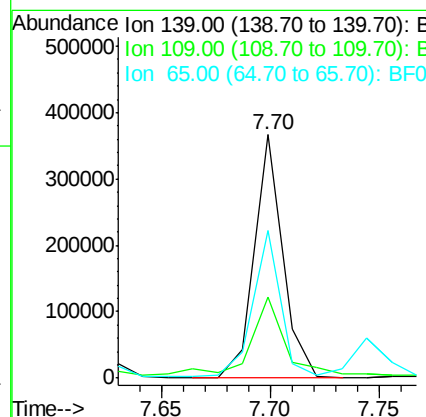
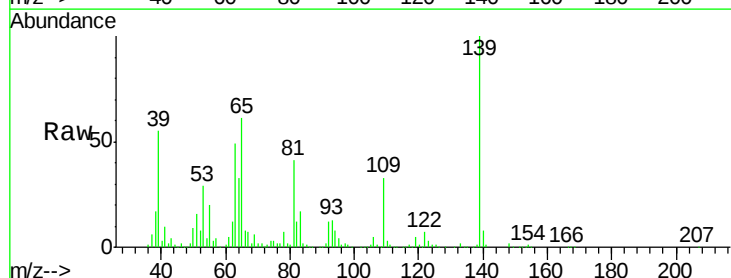
Tgt Ion: 139 Resp: 331272

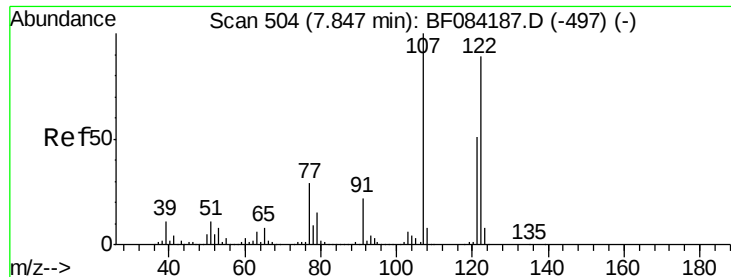
Ion Ratio Lower Upper

139 100

109 33.2 25.4 38.2

65 60.5 32.3 48.5#





#27

2,4-Dimethylphenol

Concen: 40.72 ng

RT: 7.74 min Scan# 495

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

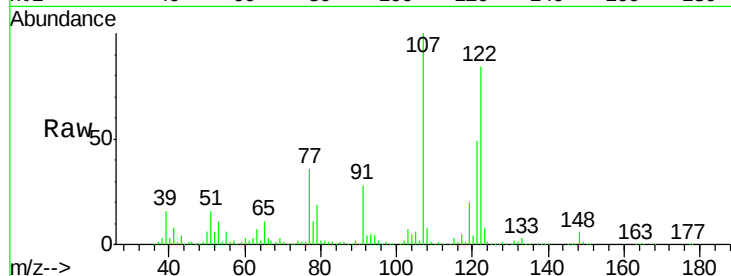
ClientSampleId :

SP-004(0-2)MSD

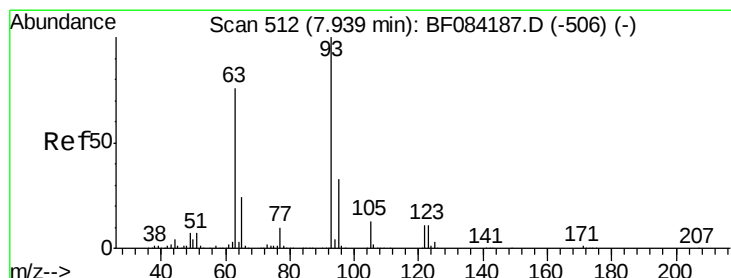
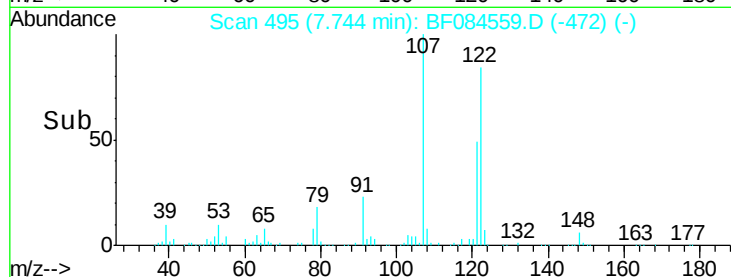
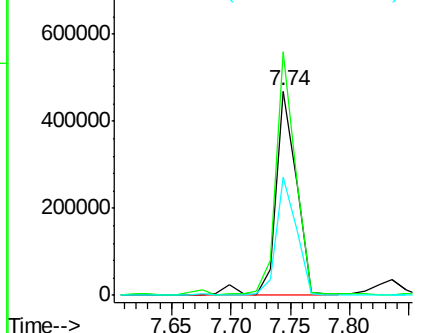
Tot Ion:	122	Resp:	567589
Ion Ratio	Lower	Upper	
122	100		
107	119.4	99.1	148.7
121	58.2	47.9	71.9

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.98 ng

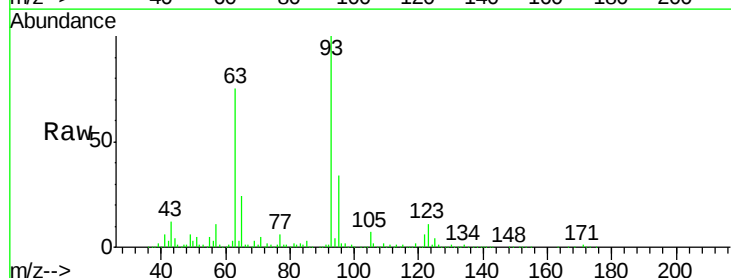
RT: 7.84 min Scan# 503

Delta R.T. -0.05 min

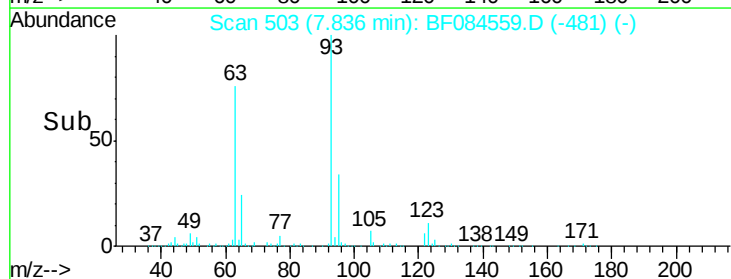
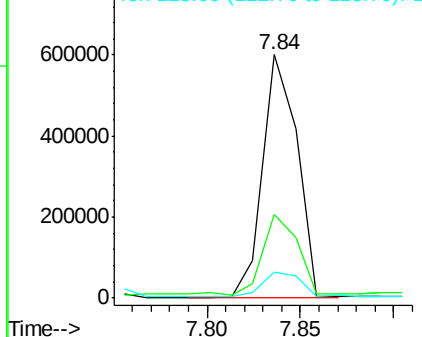
Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt Ion:	93	Resp:	766473
Ion Ratio	Lower	Upper	
93	100		
95	34.4	25.8	38.6
123	10.8	8.6	12.8



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 123.00 (122.70 to 123.70): E





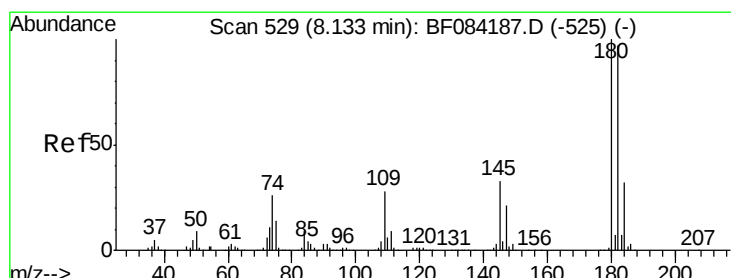
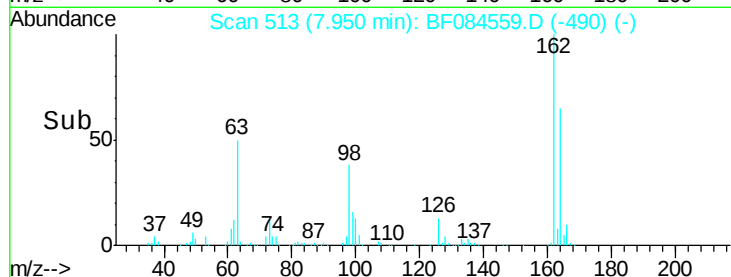
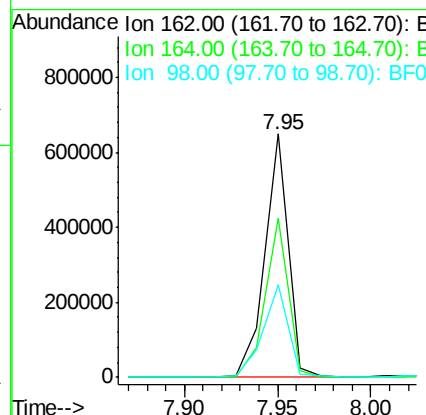
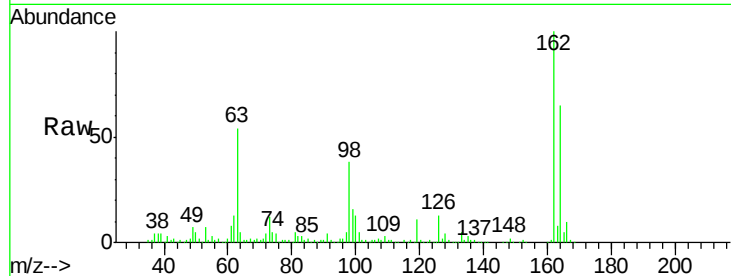
#29
2,4-Dichlorophenol
Concen: 48.16 ng
RT: 7.95 min Scan# 513
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	65.3	44.1	84.1
98	38.1	20.2	60.2

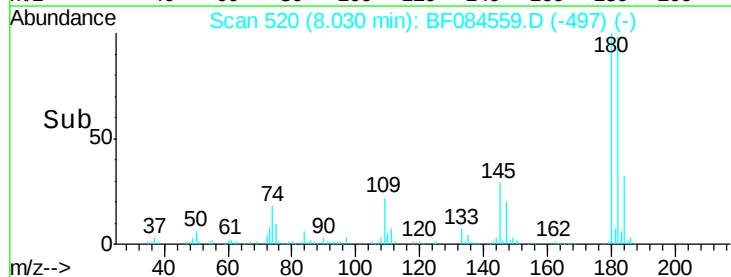
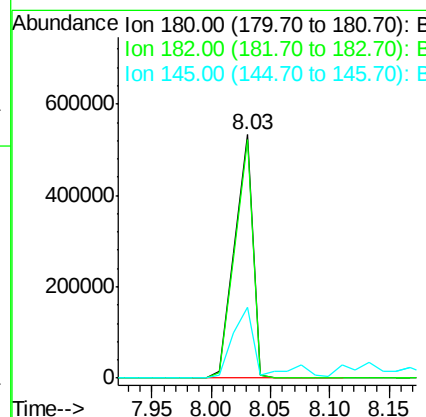
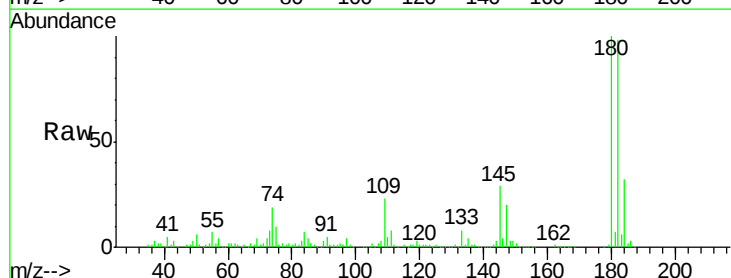
Manual Integrations
APPROVED

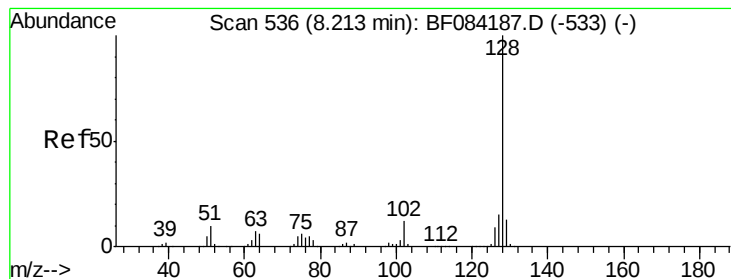
mohammad
1/20/2016 2:22:50 PM



#30
1,2,4-Trichlorobenzene
Concen: 47.42 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	97.8	76.4	114.6
145	29.2	31.6	47.4#





#31

Naphthalene

Concen: 53.77 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

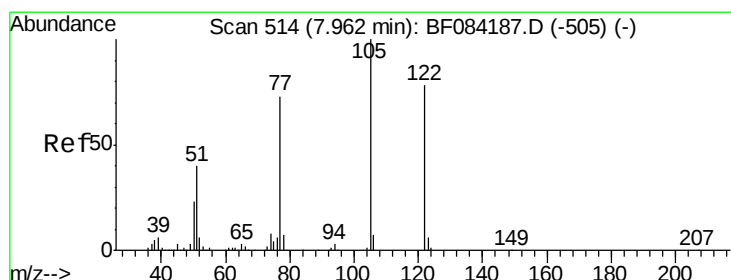
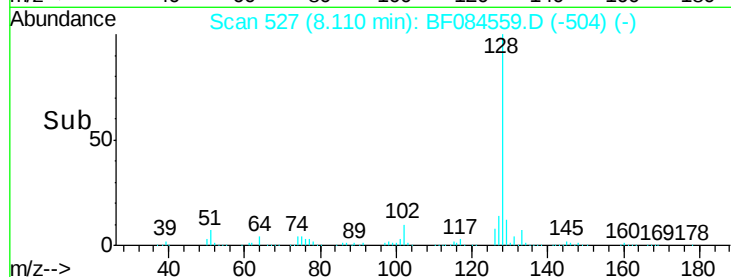
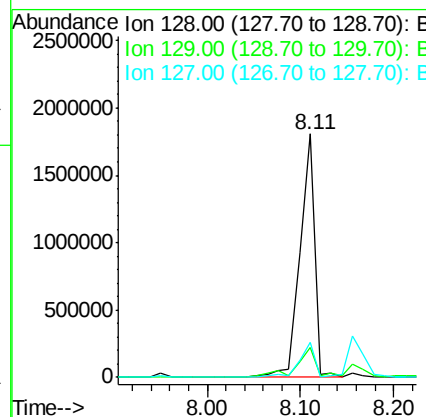
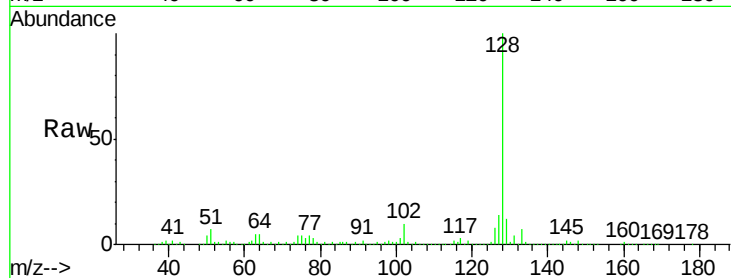
ClientSampleId :

SP-004(0-2)MSD

Tot	Ion:128	Resp:	2025559
Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.1	13.7
127	14.3	11.1	16.7

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#32

Benzoic acid

Concen: 12.42 ng

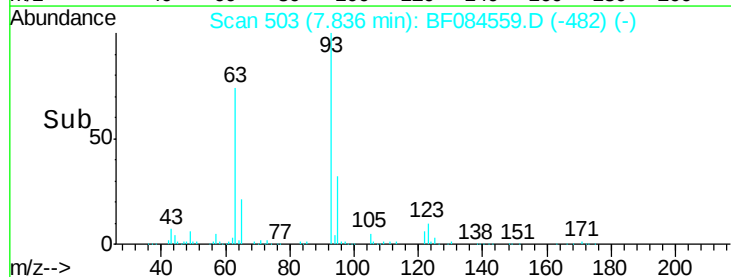
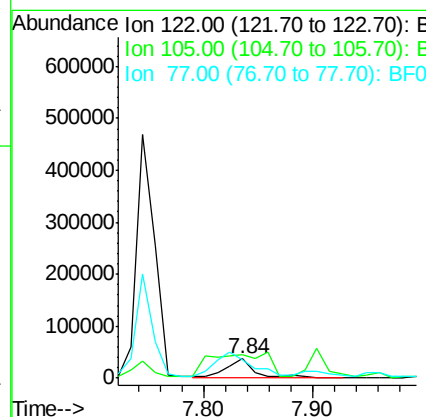
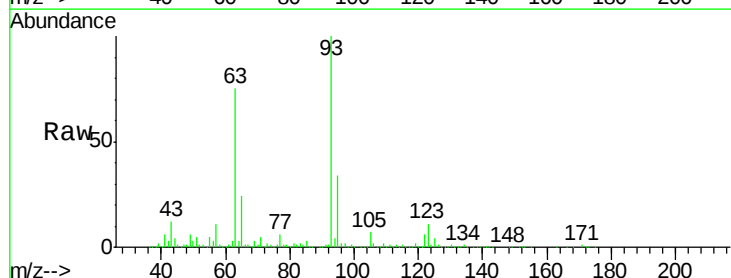
RT: 7.84 min Scan# 503

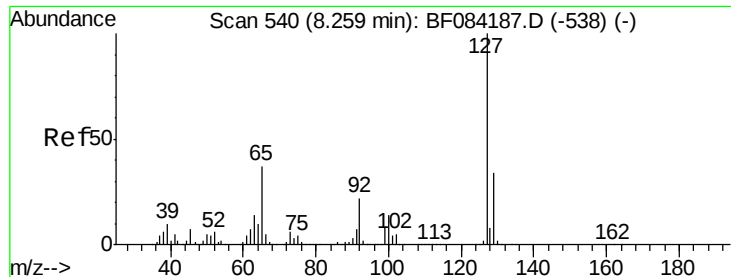
Delta R.T. -0.06 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt	Ion:122	Resp:	63602
Ion	Ratio	Lower	Upper
122	100		
105	119.9	100.3	140.3
77	95.0	63.5	103.5





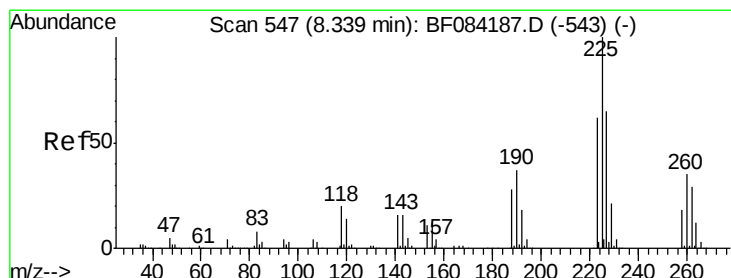
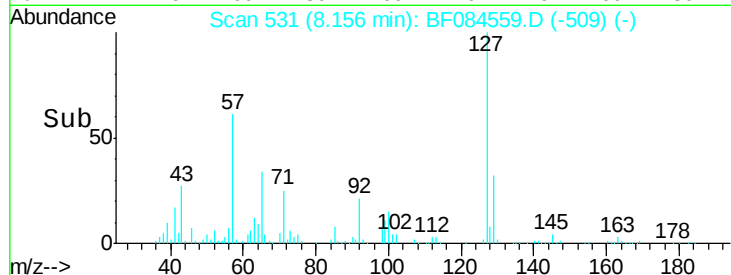
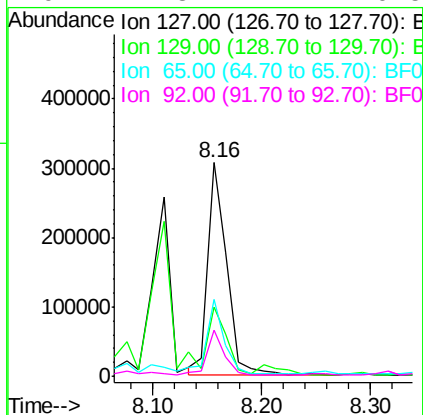
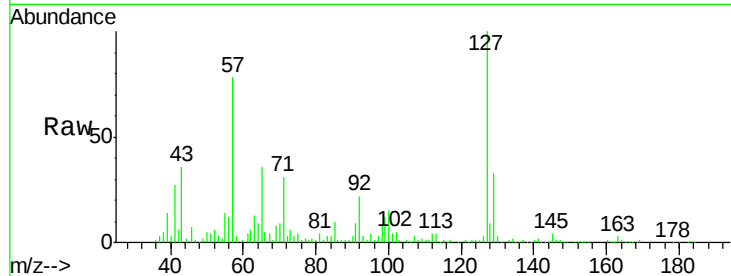
#33
4-Chloroaniline
Concen: 21.76 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.05 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		375785		
129	32.6	26.5	39.7		
65	36.2	27.2	40.8		
92	21.8	17.7	26.5		

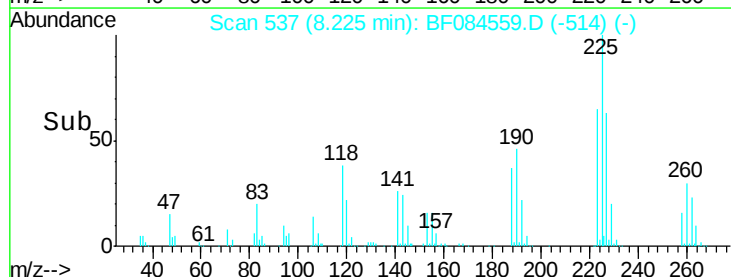
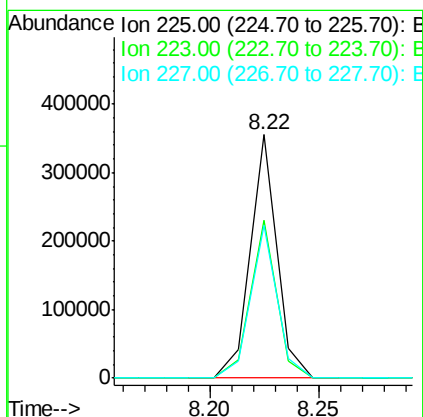
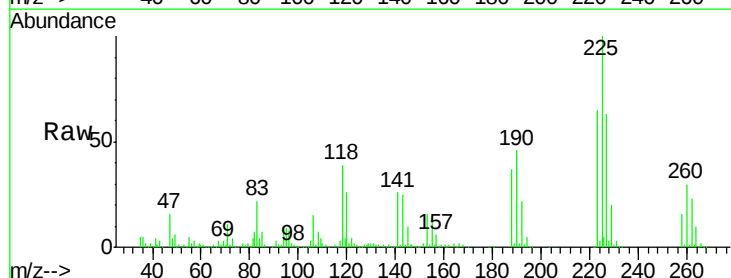
Manual Integrations
APPROVED

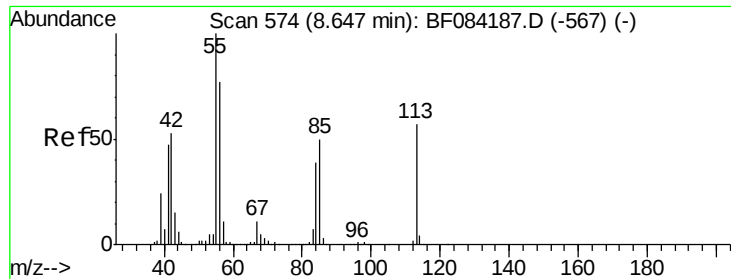
mohammad
1/20/2016 2:22:50 PM



#34
Hexachlorobutadiene
Concen: 43.90 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		302524		
223	65.0	49.4	74.0		
227	62.8	50.8	76.2		





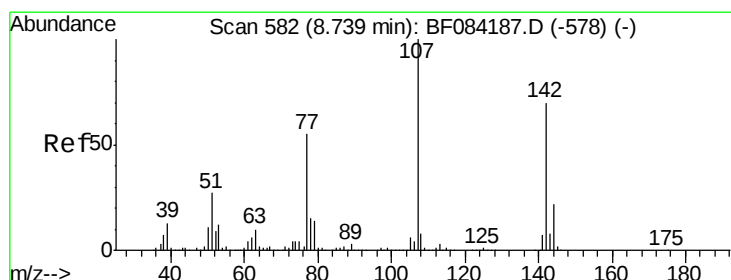
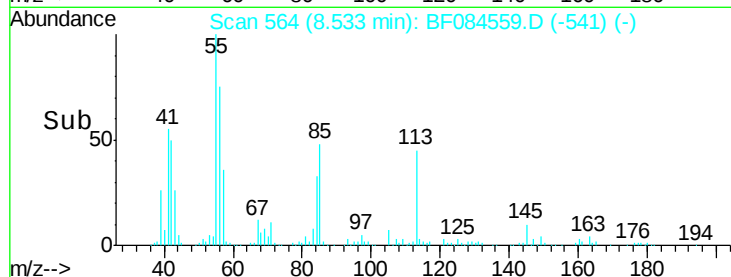
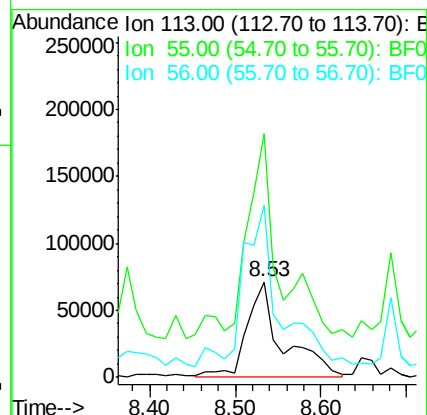
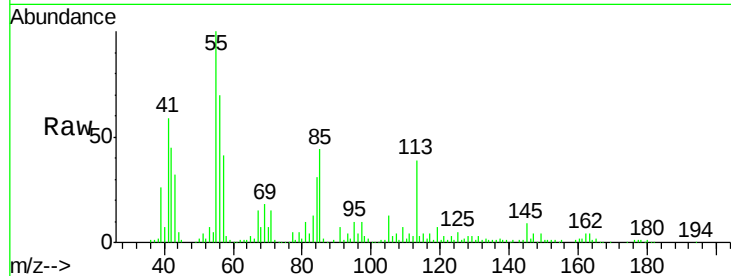
#35
Caprolactam
Concen: 53.18 ng/ml
RT: 8.53 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	254.8	116.9	156.9#
56	179.4	93.8	133.8#

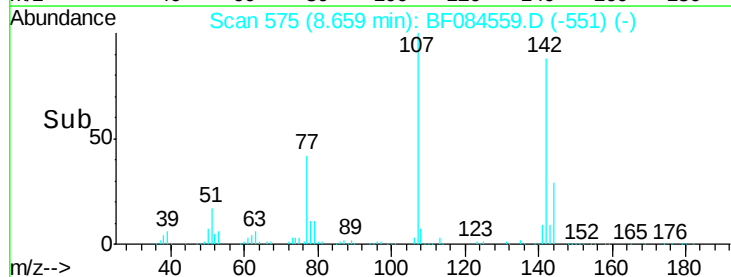
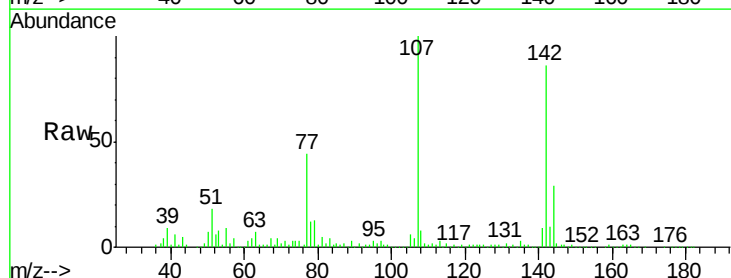
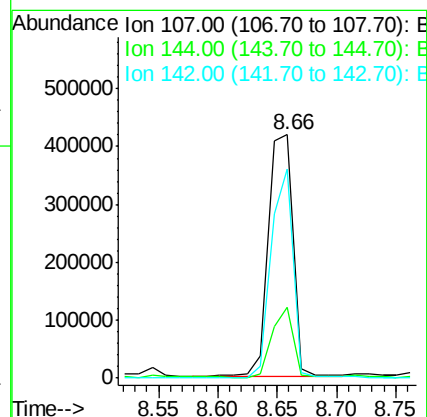
Manual Integrations
APPROVED

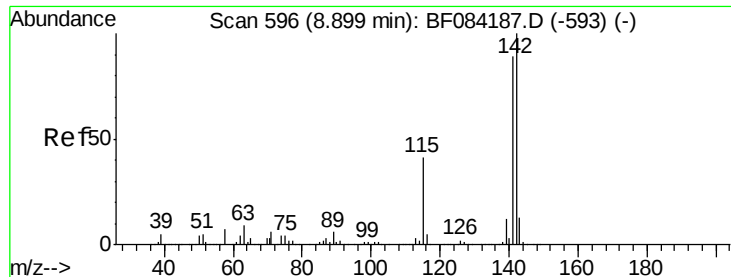
mohammad
1/20/2016 2:22:50 PM



#36
4-Chloro-3-methylphenol
Concen: 46.93 ng/ml
RT: 8.66 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Lower	Upper
107	100		
144	29.0	19.7	29.5
142	86.1	61.8	92.6





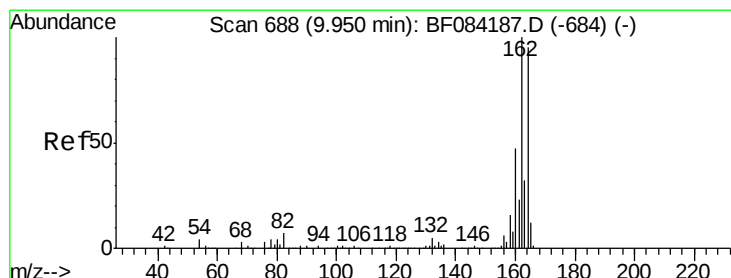
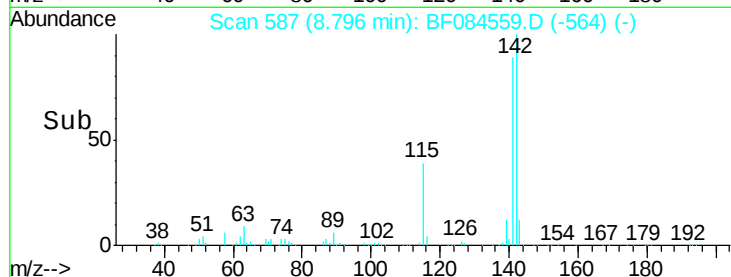
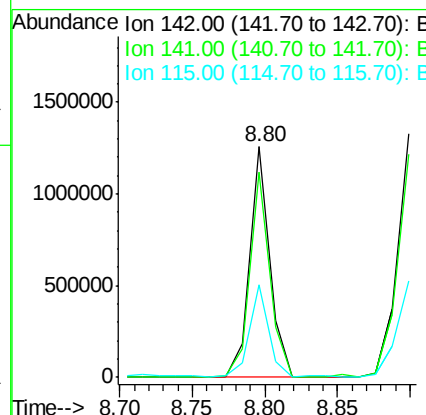
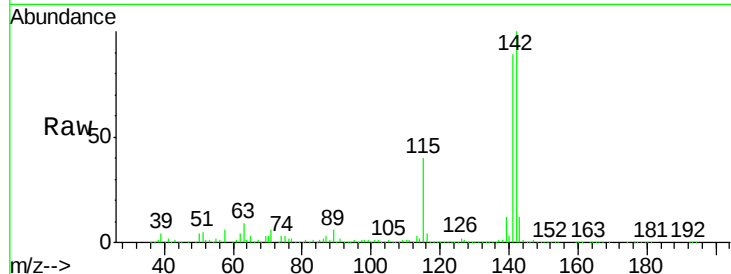
#37
2-Methylnaphthalene
Concen: 44.55 ng
RT: 8.80 min Scan# 587
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.4	108.6
115	40.0	27.9	41.9

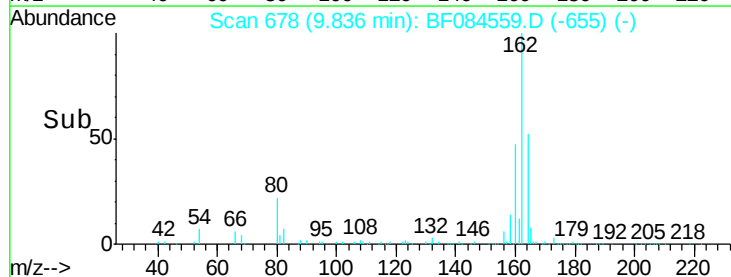
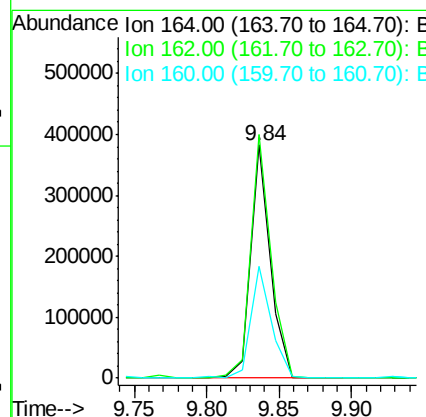
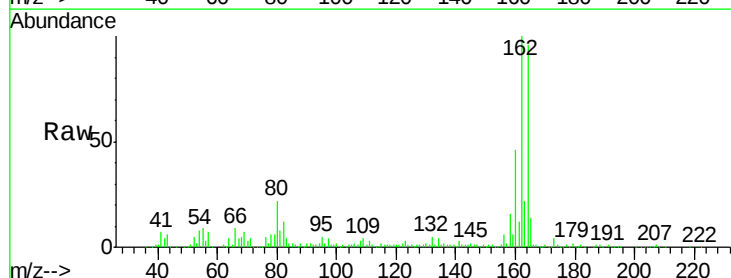
Manual Integrations
APPROVED

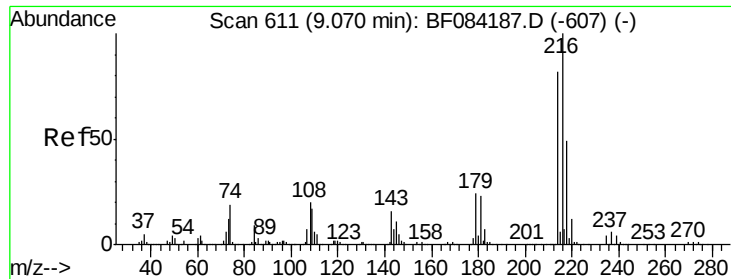
mohammad
1/20/2016 2:22:50 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	85.1	127.7
160	47.9	37.5	56.3





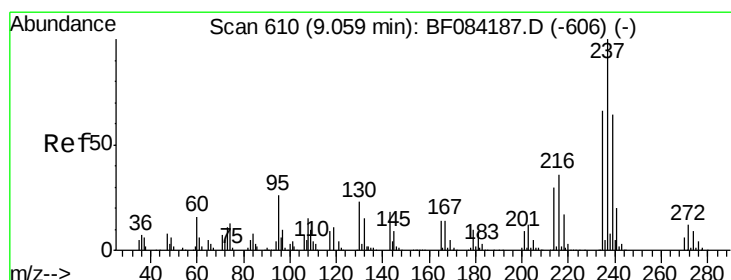
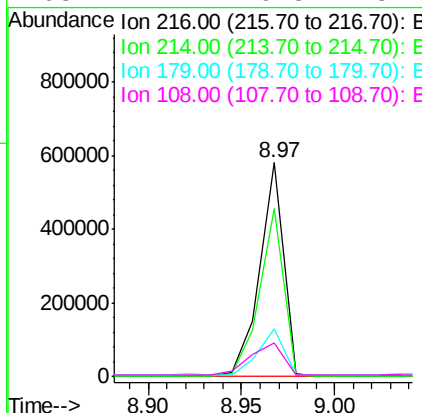
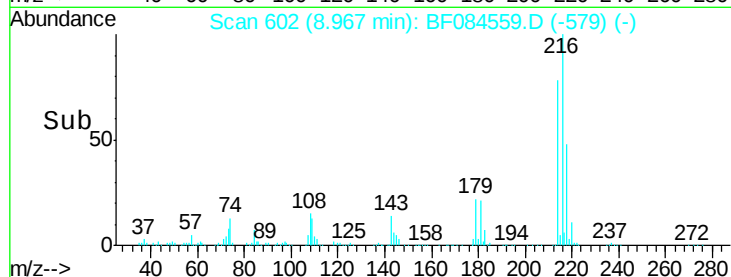
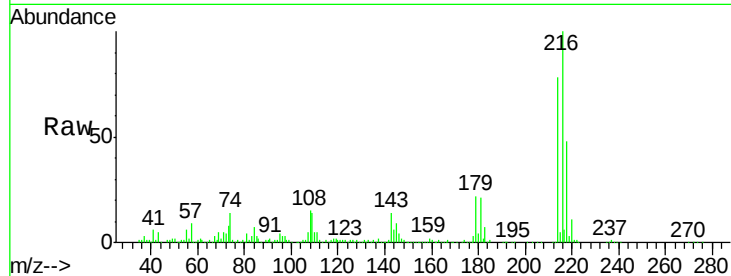
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 50.35 ng
 RT: 8.97 min Scan# 602
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		513028		
214	79.4	64.2	96.2		
179	26.0	18.7	28.1		
108	21.7	16.8	25.2		

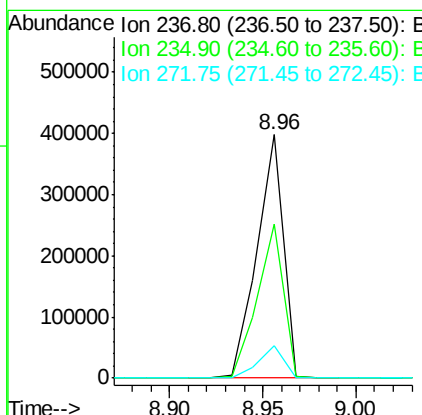
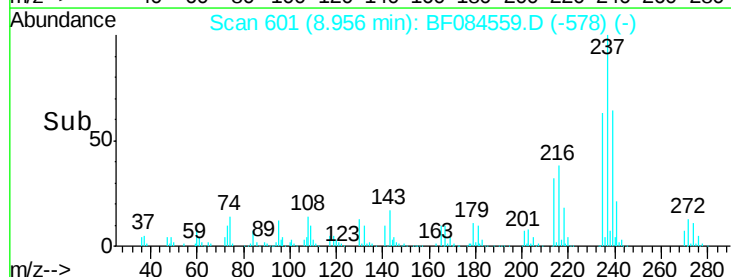
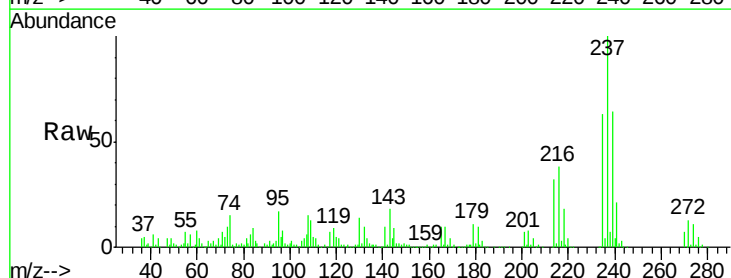
Manual Integrations
 APPROVED

mohammad
 1/20/2016 2:22:50 PM



#40
 Hexachlorocyclopentadiene
 Concen: 63.32 ng
 RT: 8.96 min Scan# 601
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		389461		
235	63.3	43.1	83.1		
272	13.5	0.0	35.1		





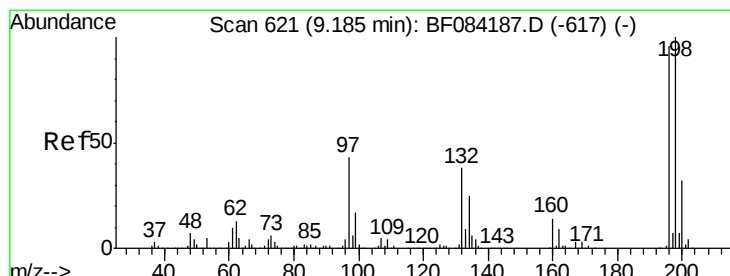
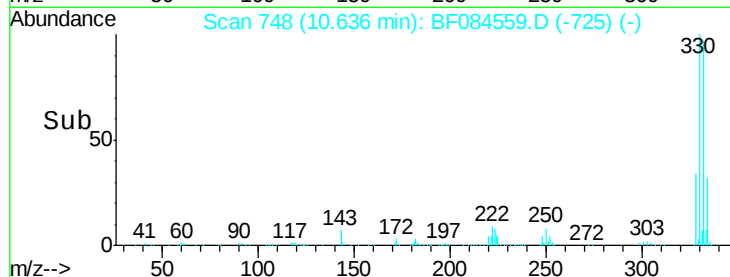
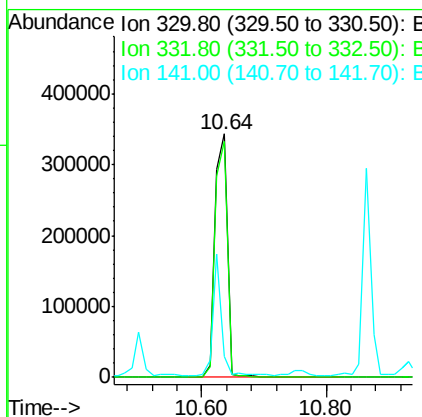
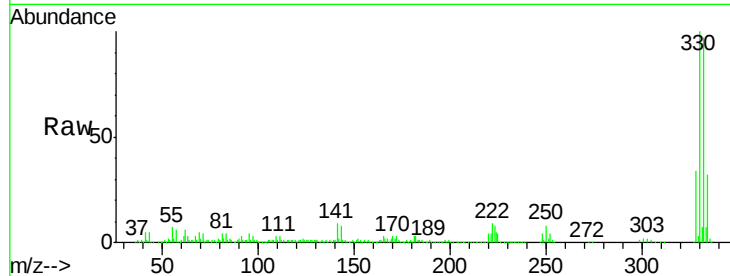
#41
 2,4,6-Tribromophenol
 Concen: 128.36 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	459284		
332	96.3		76.6	114.8
141	33.4		27.8	41.6

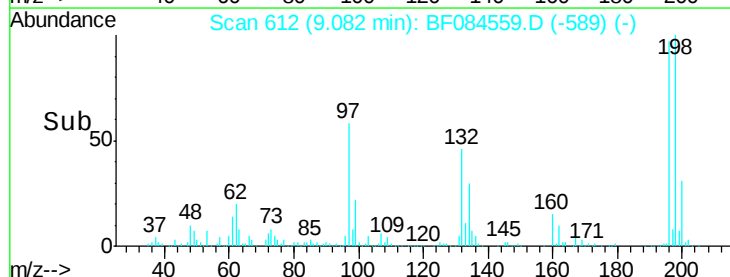
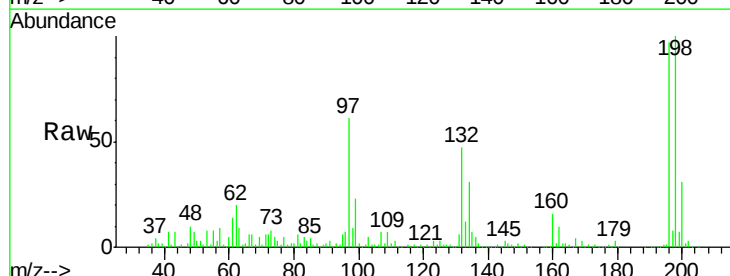
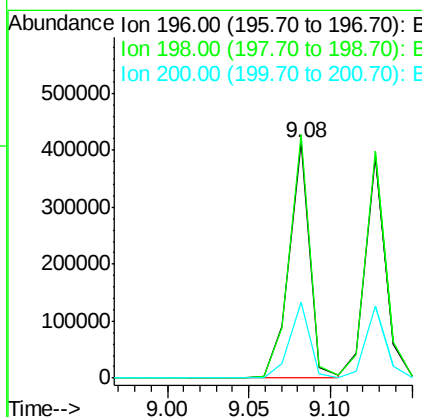
Manual Integrations
 APPROVED

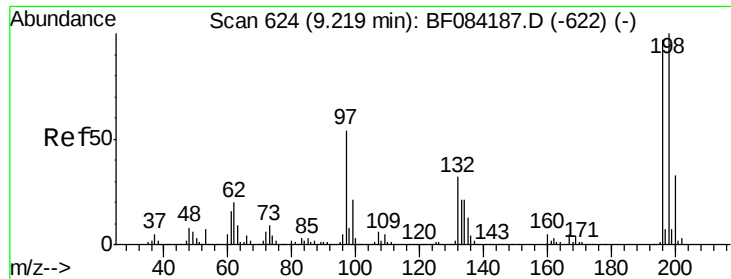
mohammad
 1/20/2016 2:22:50 PM



#42
 2,4,6-Trichlorophenol
 Concen: 47.97 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	365674		
198	103.4		77.7	116.5
200	32.2		24.6	37.0





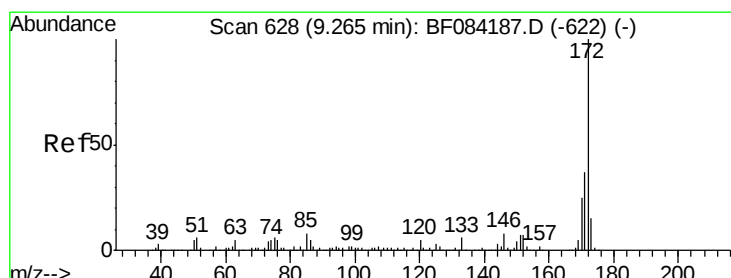
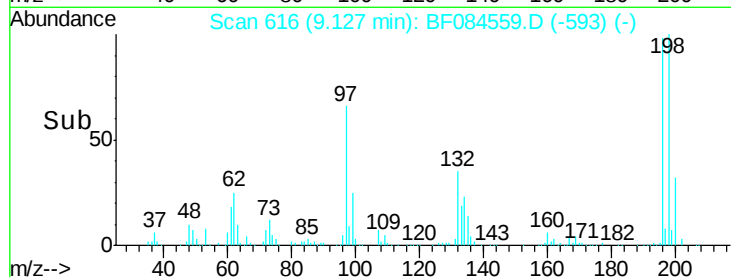
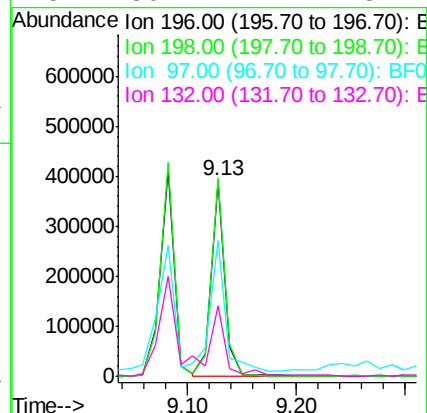
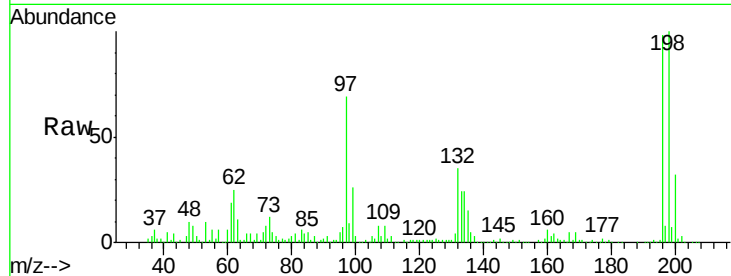
#43
 2,4,5-Trichlorophenol
 Concen: 46.75 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	341615		
198	102.1	79.0	118.6	
97	69.9	33.0	49.6	#
132	36.2	21.1	31.7	#

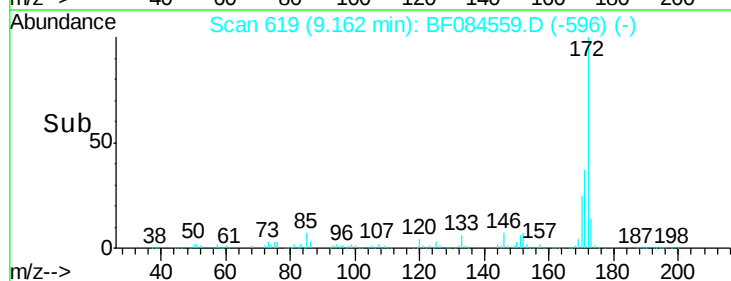
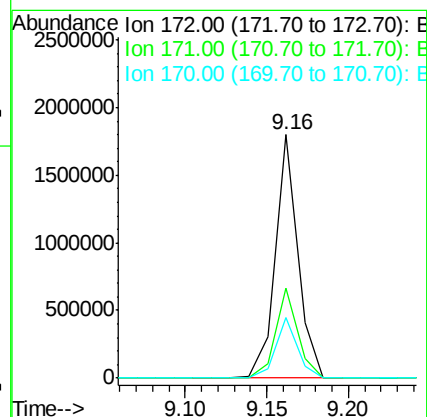
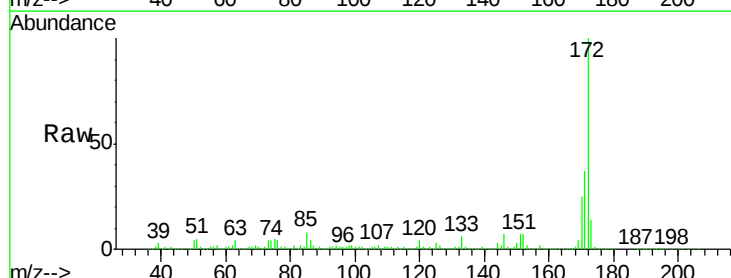
Manual Integrations
 APPROVED

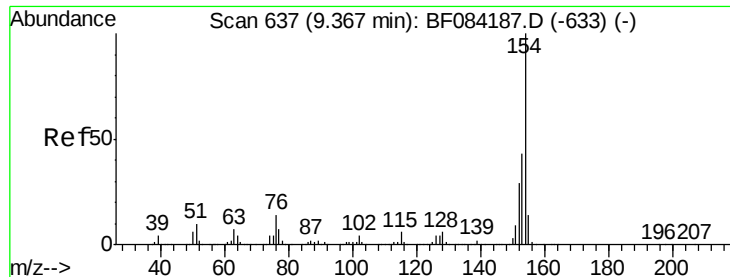
mohammad
 1/20/2016 2:22:50 PM



#44
 2-Fluorobiphenyl
 Concen: 86.37 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1738012		
171	37.2	28.9	43.3	
170	24.9	18.6	27.8	





#45

1,1'-Biphenyl

Concen: 50.27 ng

RT: 9.26 min Scan# 628

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

Tot Ion:154 Resp: 1415929

Ion Ratio Lower Upper

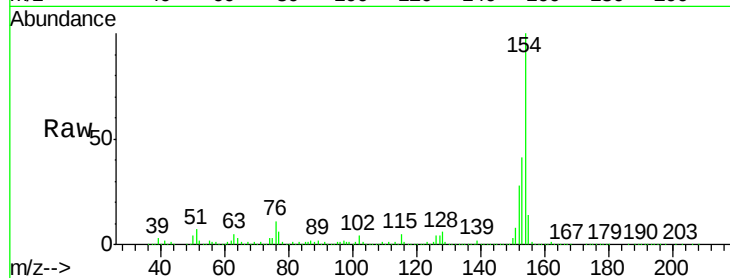
154 100

153 41.4 21.6 61.6

76 11.1 0.0 32.7

Manual Integrations
APPROVED

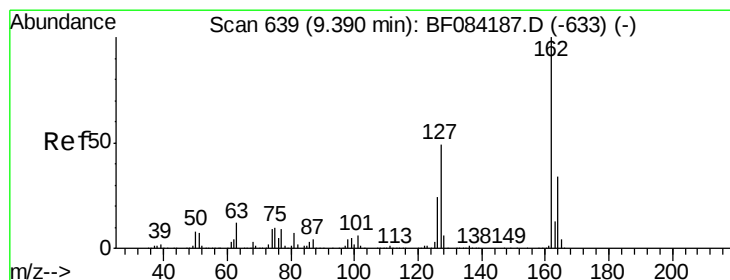
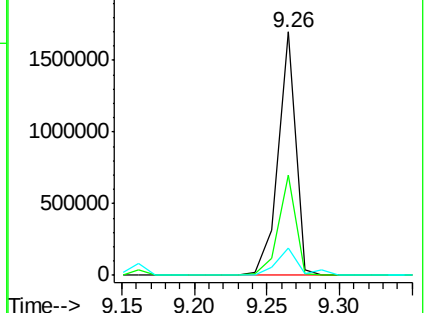
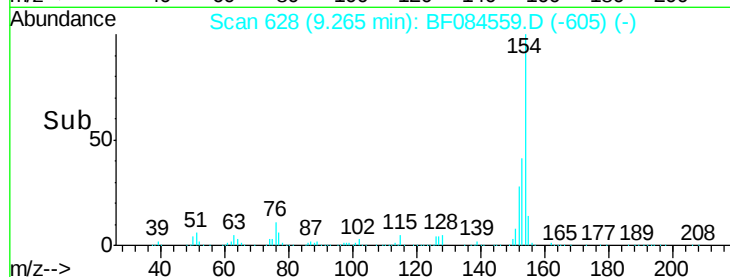
mohammad
1/20/2016 2:22:50 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 47.21 ng

RT: 9.29 min Scan# 630

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

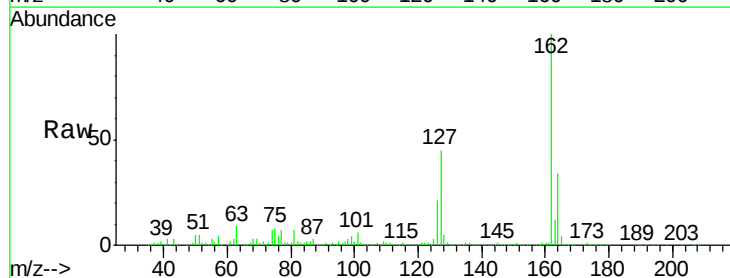
Tgt Ion:162 Resp: 1044616

Ion Ratio Lower Upper

162 100

127 44.8 40.2 60.4

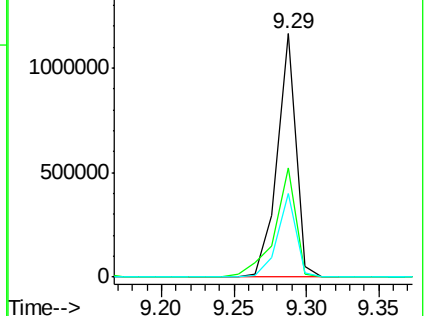
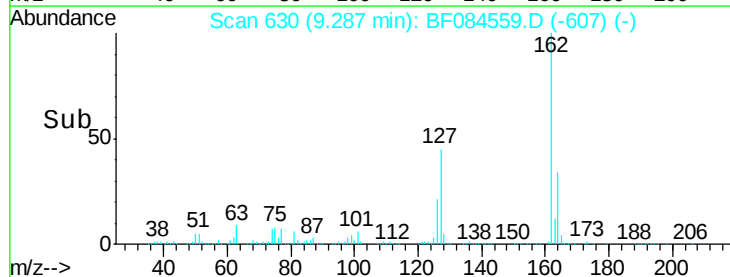
164 34.1 25.7 38.5

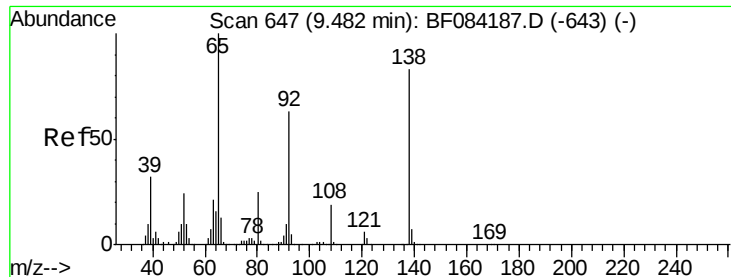


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 54.55 ng

RT: 9.39 min Scan# 639

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

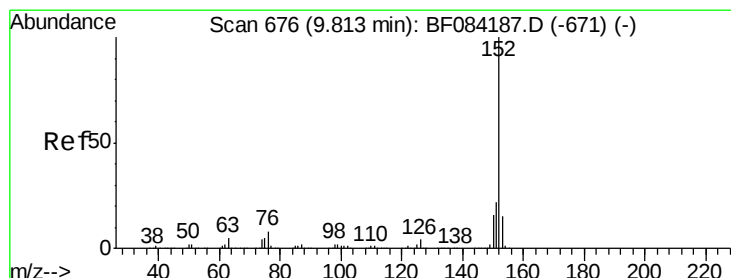
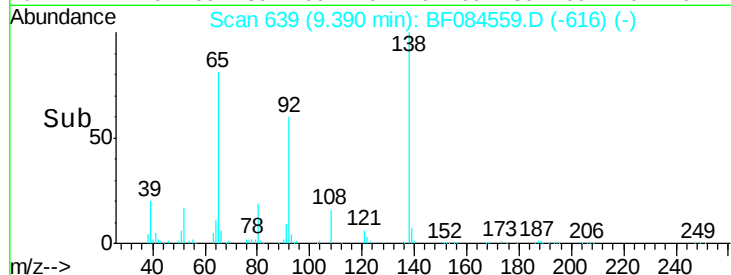
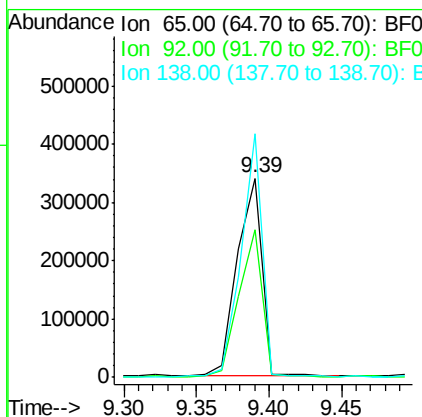
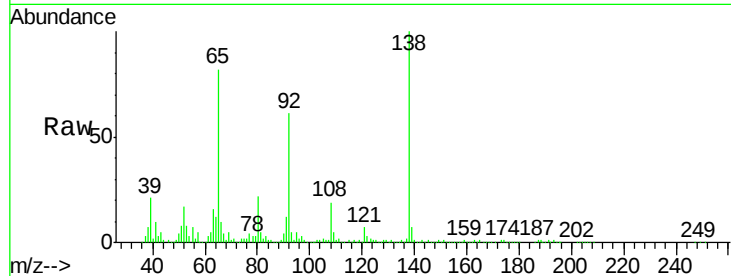
ClientSampleId :

SP-004(0-2)MSD

Tot Ion:	65	Resp:	398343
Ion Ratio	Lower	Upper	
65	100		
92	74.3	53.4	80.2
138	122.5	71.1	106.7#

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#48

Acenaphthylene

Concen: 45.27 ng

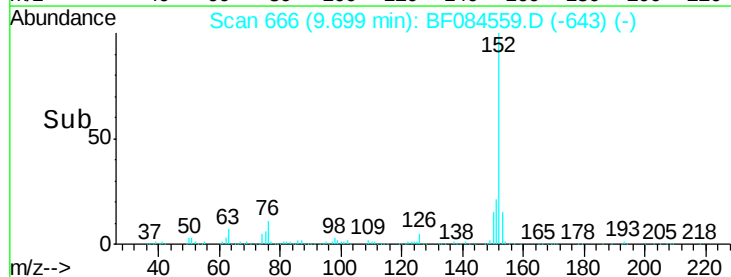
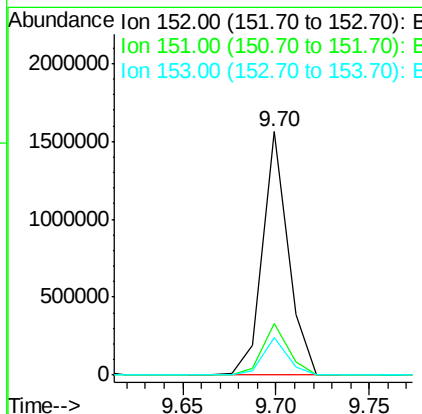
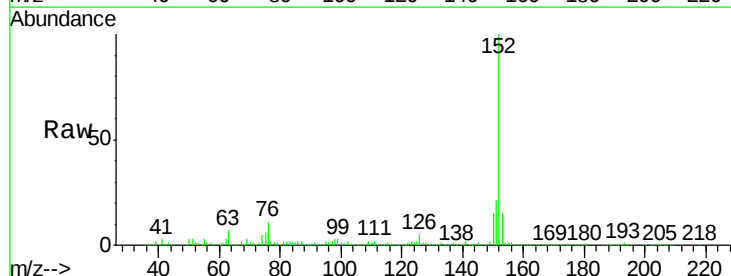
RT: 9.70 min Scan# 666

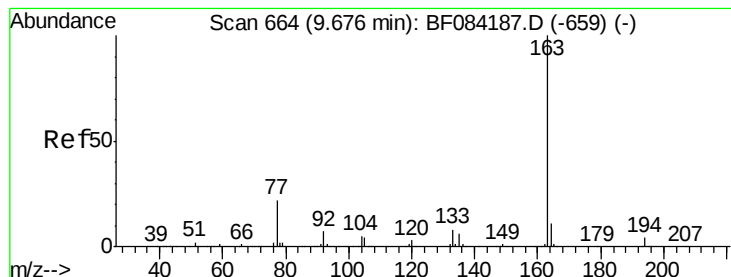
Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt Ion:	152	Resp:	1479930
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.3	24.5
153	15.5	10.4	15.6





#49

Dimethylphthalate

Concen: 63.40 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

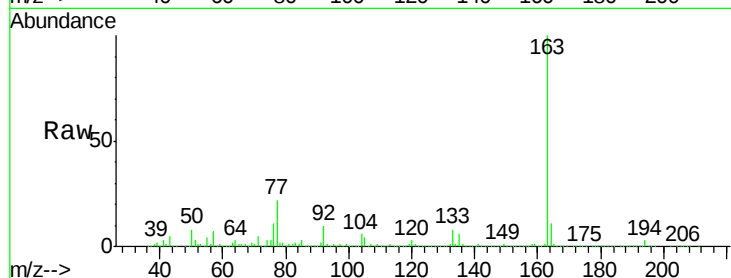
ClientSampleId :

SP-004(0-2)MSD

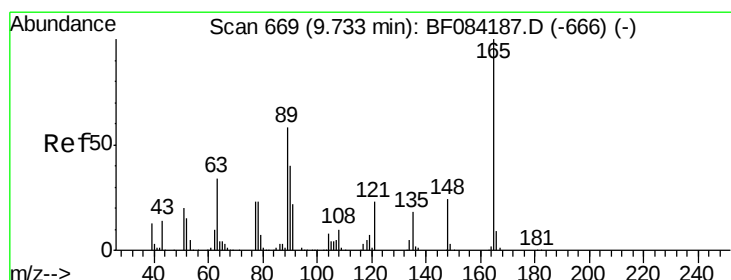
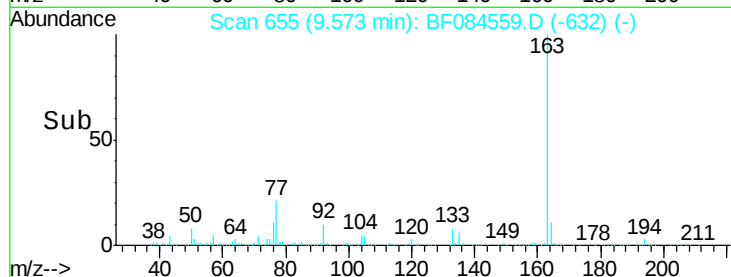
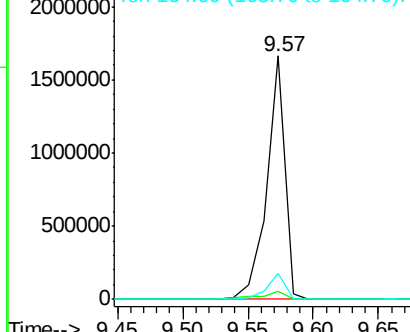
Tot Ion:	163	Resp:	1606401
Ion	Ratio	Lower	Upper
163	100		
194	3.5	8.0	12.0#
164	10.9	8.0	12.0

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 49.79 ng

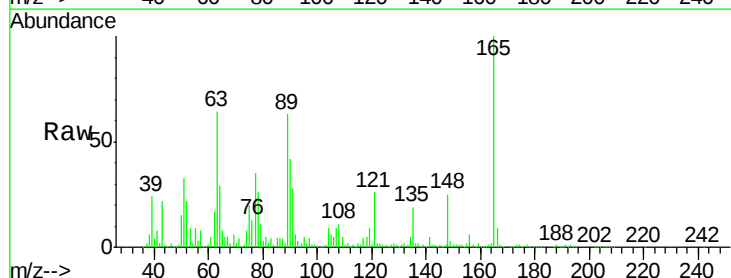
RT: 9.63 min Scan# 660

Delta R.T. -0.03 min

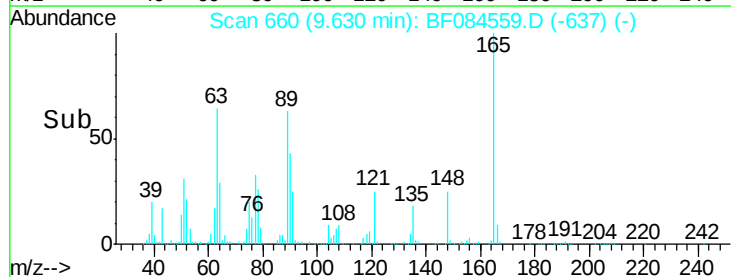
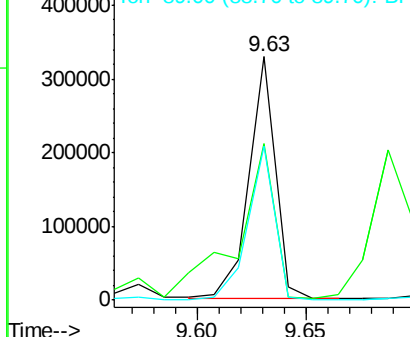
Lab File: BF084559.D

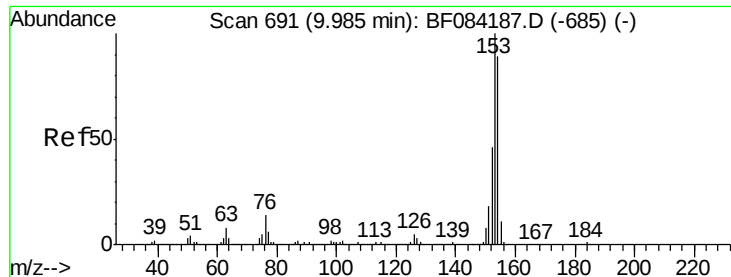
Acq: 19 Jan 2016 18:29

Tgt Ion:	165	Resp:	276688
Ion	Ratio	Lower	Upper
165	100		
63	64.5	28.8	43.2#
89	63.1	35.1	52.7#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 47.24 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

Tot Ion:154 Resp: 1035900

Ion Ratio Lower Upper

154 100

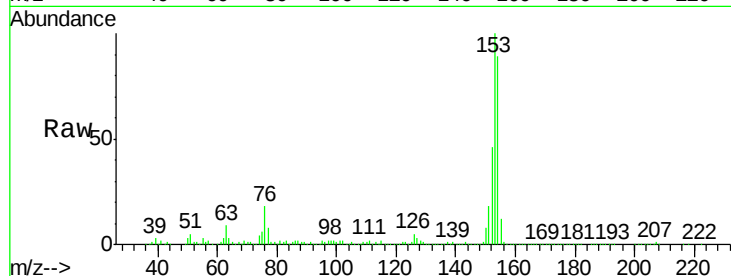
153 112.3 91.5 137.3

152 51.6 43.0 64.6

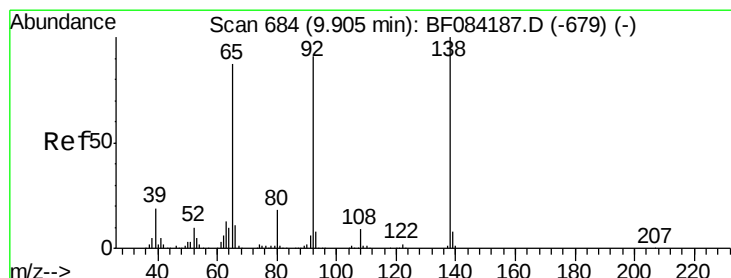
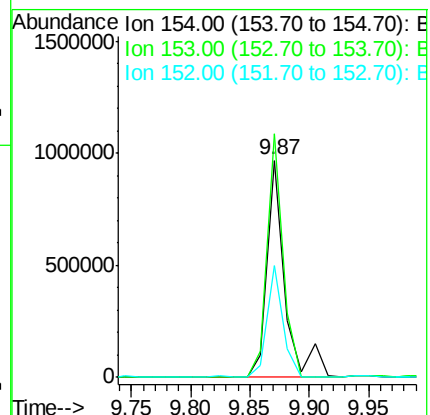
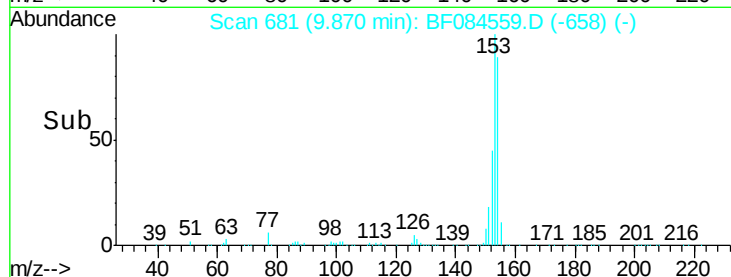
Manual Integrations
APPROVED

mohammad

1/20/2016 2:22:50 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 35.78 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

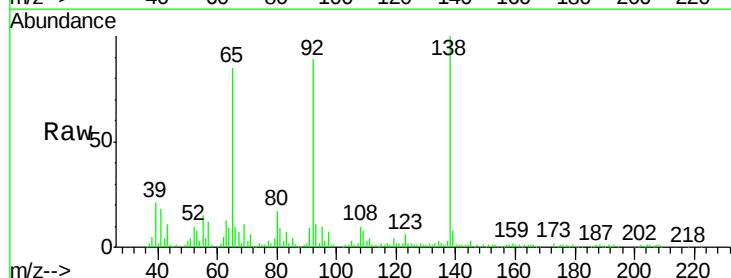
Tgt Ion:138 Resp: 246361

Ion Ratio Lower Upper

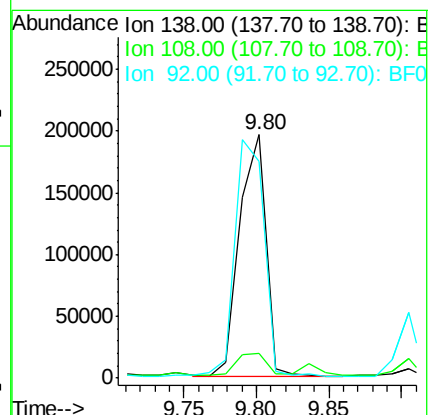
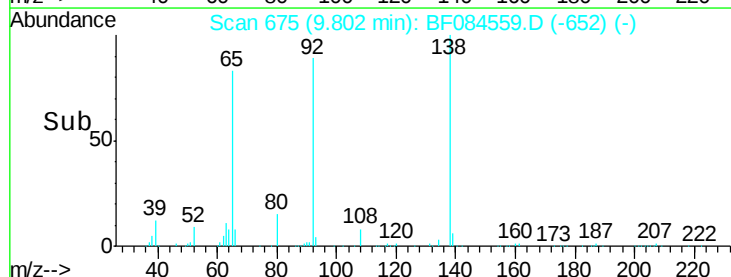
138 100

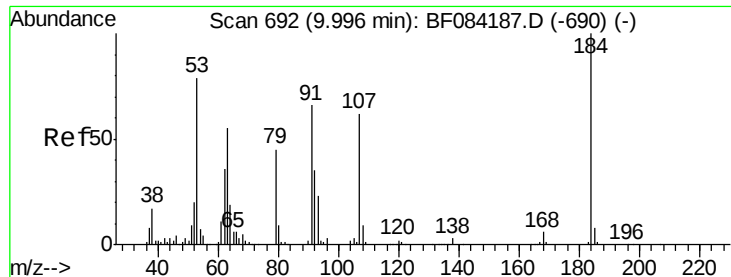
108 10.2 10.5 15.7#

92 89.1 103.9 155.9#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





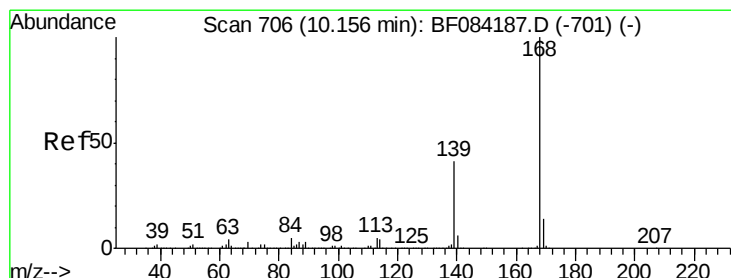
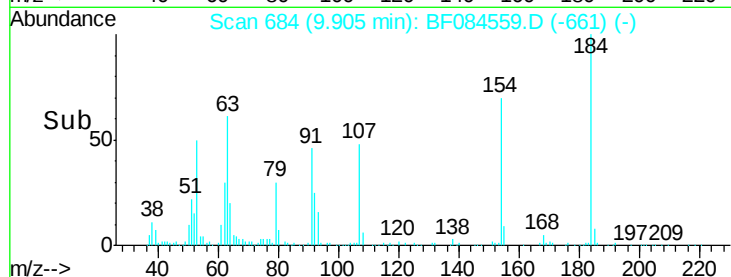
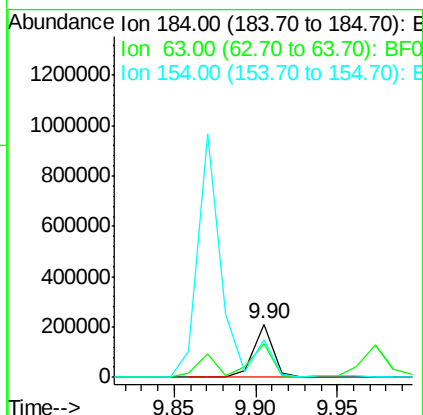
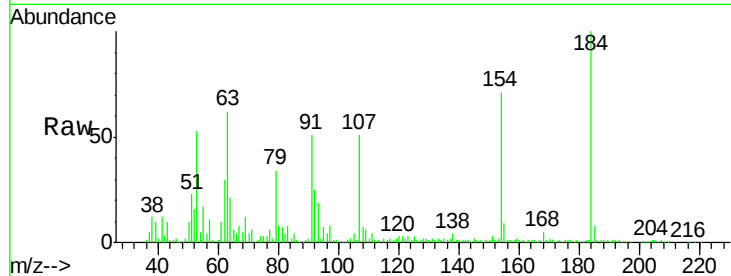
#53
2,4-Dinitrophenol
Concen: 75.58 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100	178435		
63	62.4	43.1	64.7	
154	70.7	60.5	90.7	

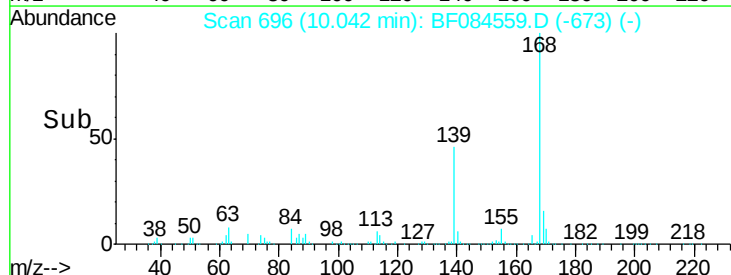
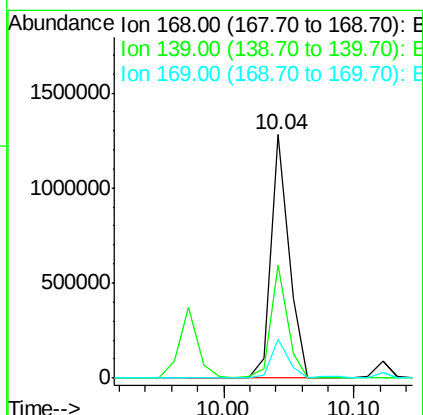
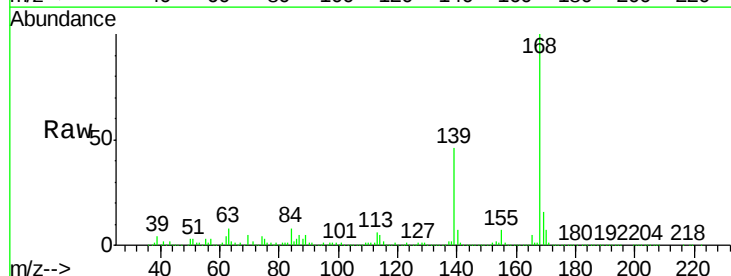
Manual Integrations
APPROVED

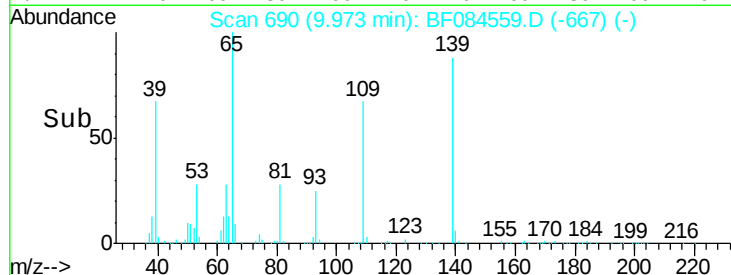
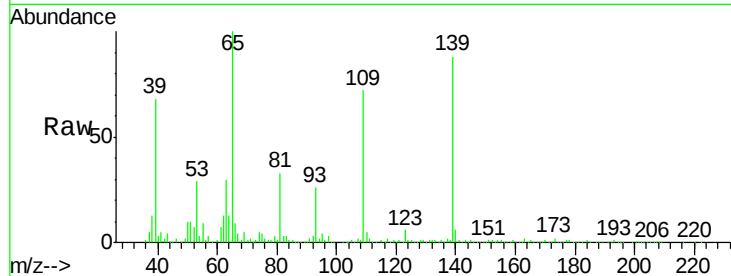
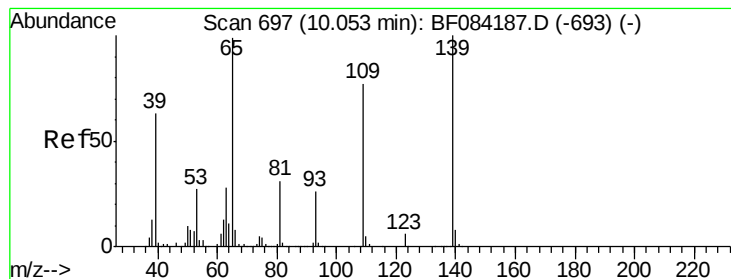
mohammad
1/20/2016 2:22:50 PM



#54
Dibenzofuran
Concen: 43.50 ng
RT: 10.04 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1238037		
139	46.2	30.5	45.7#	
169	15.7	10.4	15.6#	





#55

4-Nitrophenol

Concen: 74.69 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	81.9	58.5	98.5	
65	114.0	57.6	97.6	

Instrument :

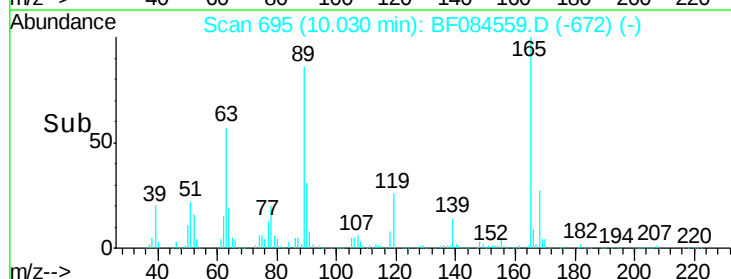
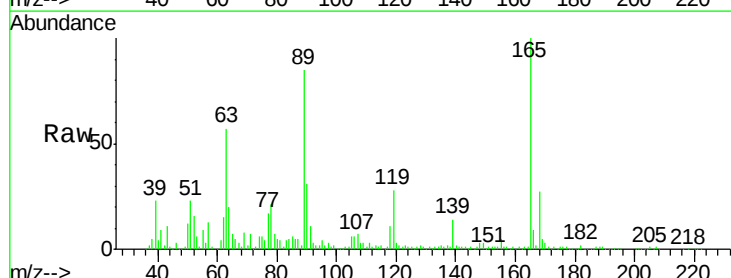
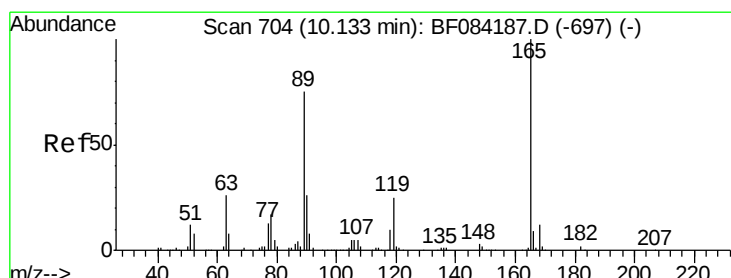
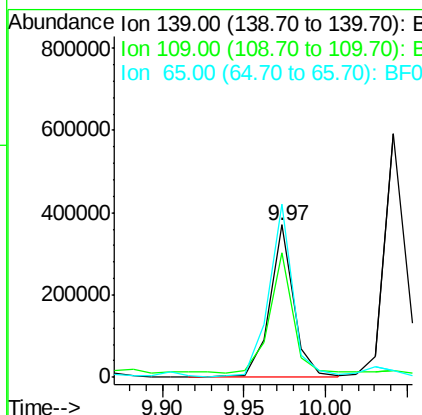
BNA_F

ClientSampleId :

SP-004(0-2)MSD

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#56

2,4-Dinitrotoluene

Concen: 46.44 ng

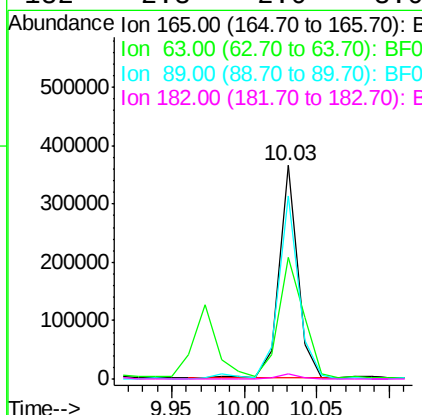
RT: 10.03 min Scan# 695

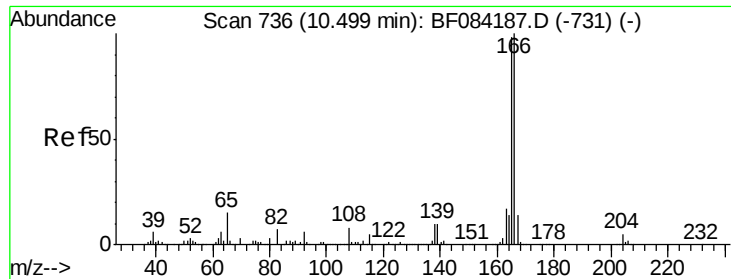
Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	57.2	36.7	55.1	
89	85.5	61.9	92.9	
182	2.3	2.0	3.0	





#57

Fluorene

Concen: 43.62 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF084559.D

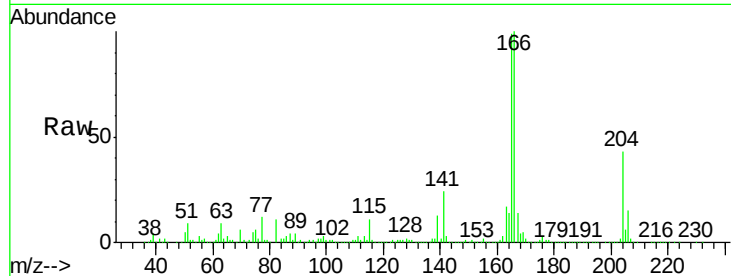
Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

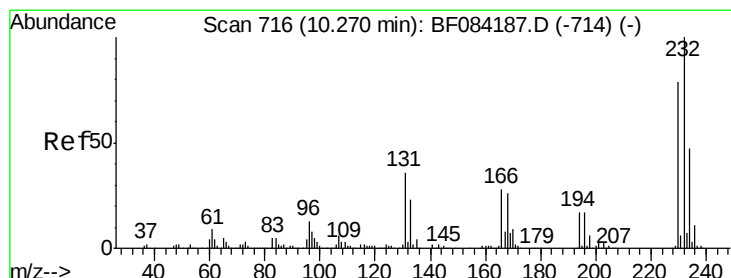
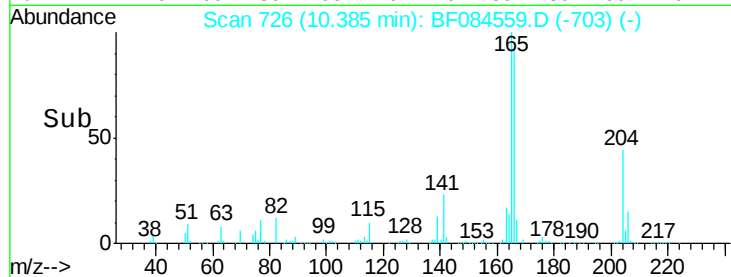
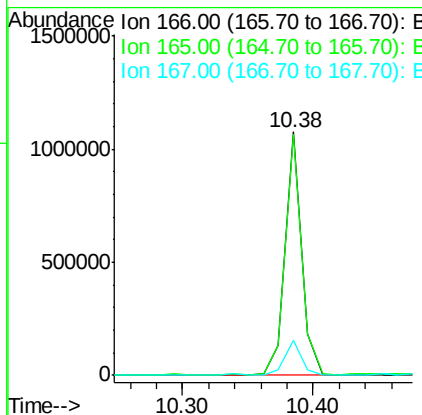
SP-004(0-2)MSD



Tot Ion	166	Resp	959408
Ion Ratio	Lower	Upper	
166	100		
165	99.2	79.1	118.7
167	14.2	10.4	15.6

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 47.84 ng

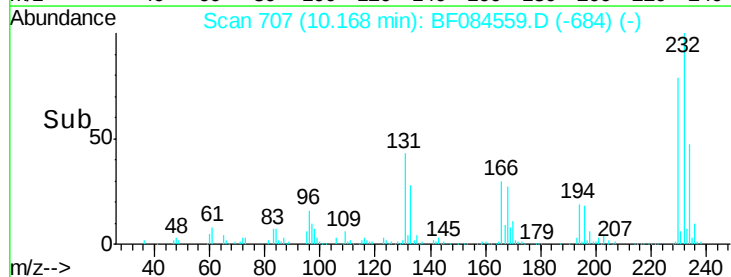
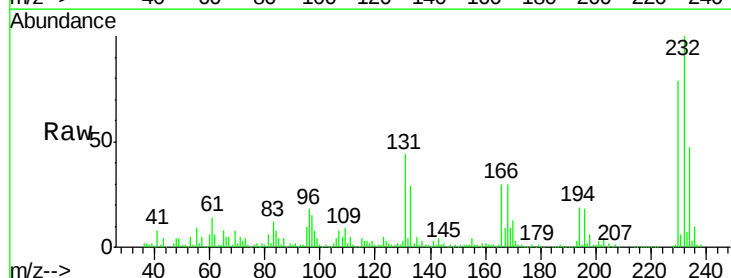
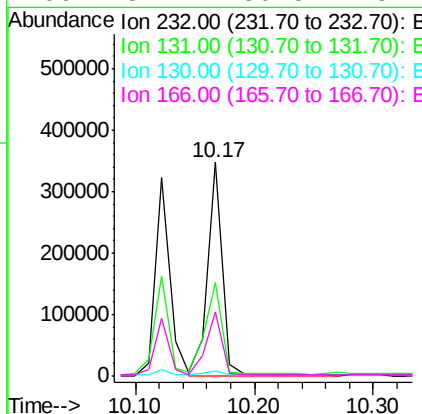
RT: 10.17 min Scan# 707

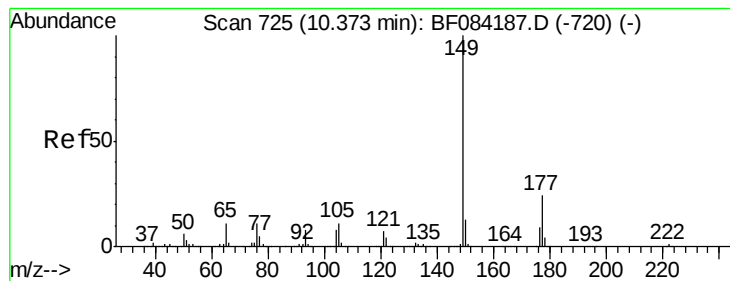
Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt Ion	232	Resp	298503
Ion Ratio	Lower	Upper	
232	100		
131	51.3	47.0	70.6
130	3.0	2.0	3.0
166	32.2	30.5	45.7





#59

Diethylphthalate

Concen: 49.38 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

Tot Ion:149 Resp: 1233710

Ion Ratio Lower Upper

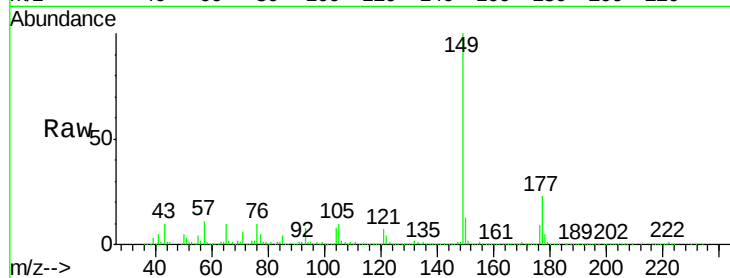
149 100

177 22.6 17.3 25.9

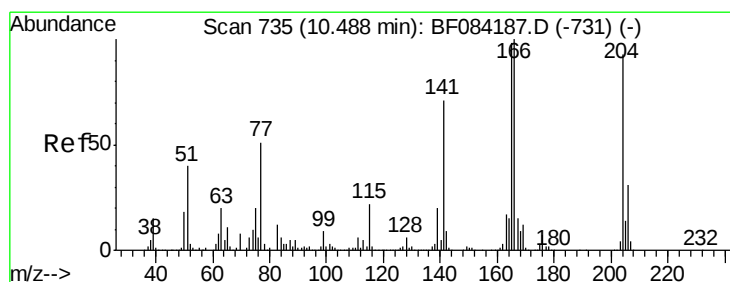
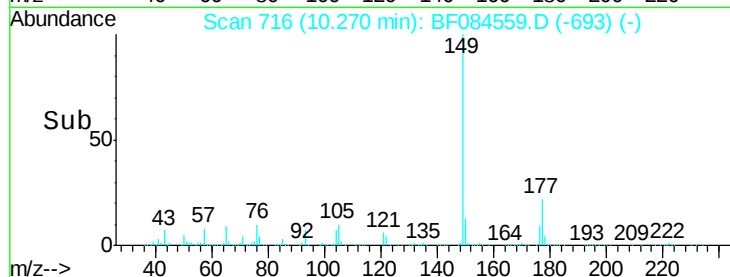
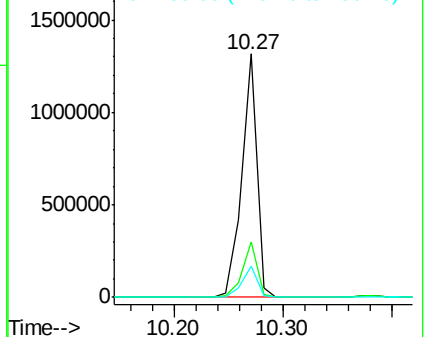
150 12.8 9.8 14.8

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 54.97 ng

RT: 10.38 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

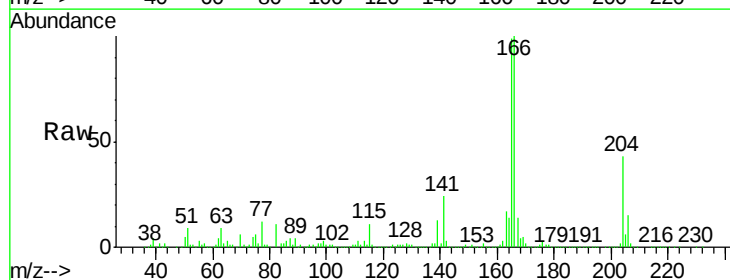
Tgt Ion:204 Resp: 493043

Ion Ratio Lower Upper

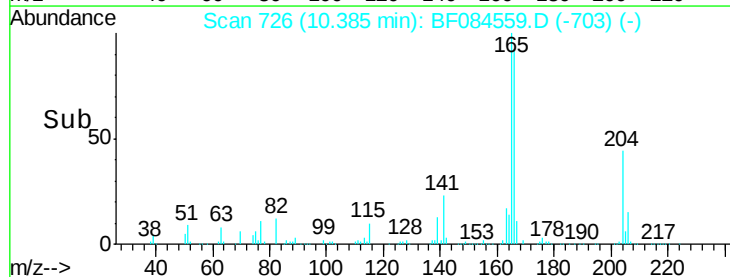
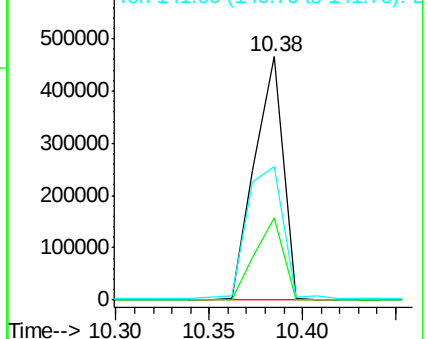
204 100

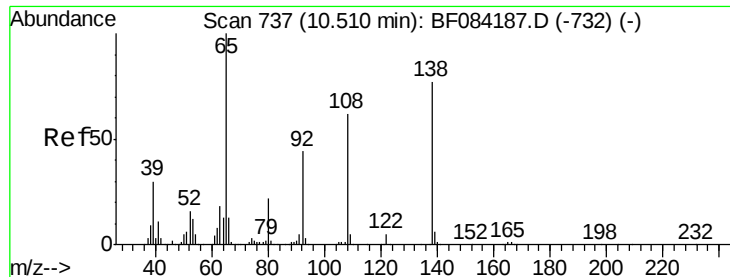
206 34.0 25.7 38.5

141 55.1 55.1 82.7#



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





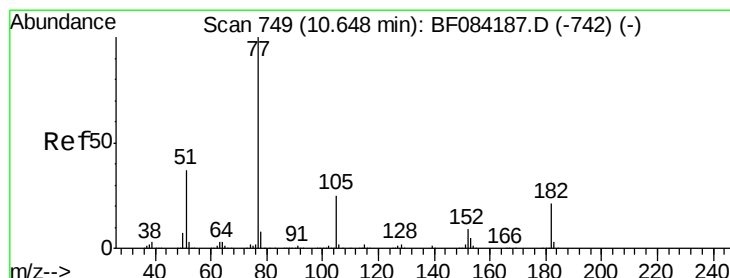
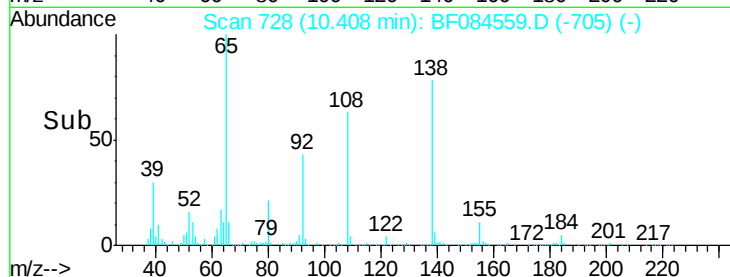
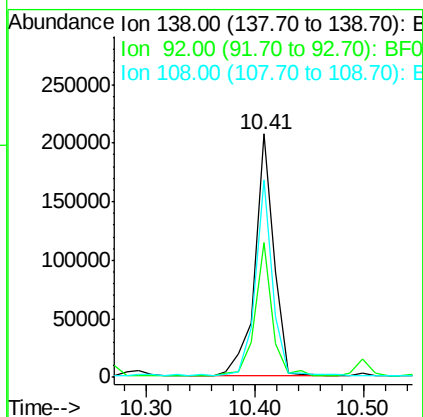
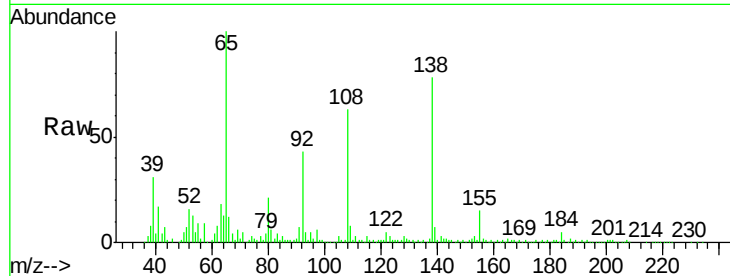
#61
4-Nitroaniline
Concen: 40.97 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	55.3	32.6	72.6
108	81.0	68.6	108.6

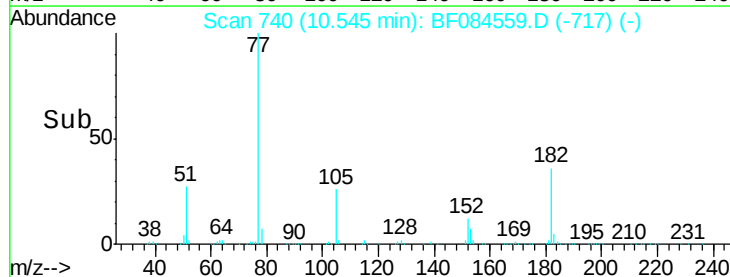
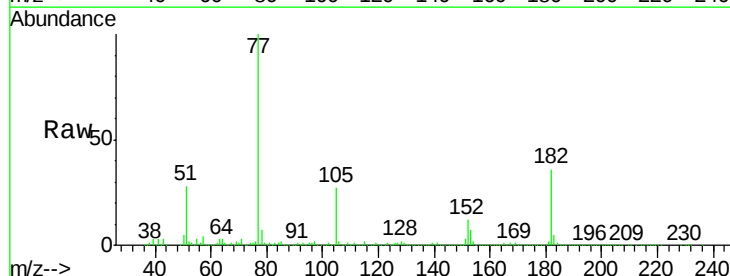
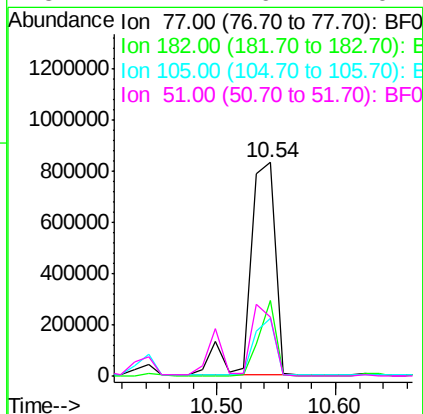
Manual Integrations
APPROVED

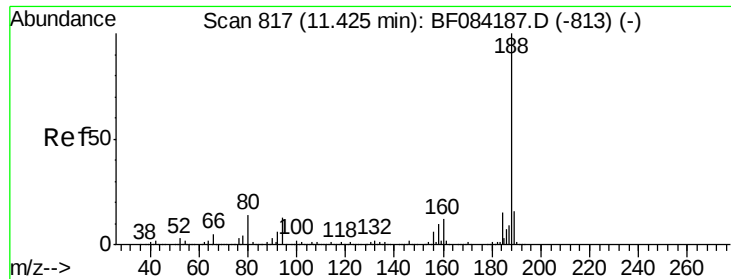
mohammad
1/20/2016 2:22:50 PM



#62
Azobenzene
Concen: 45.37 ng
RT: 10.54 min Scan# 740
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Lower	Upper
77	100		
182	35.5	8.3	48.3
105	27.1	4.6	44.6
51	27.7	6.2	46.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

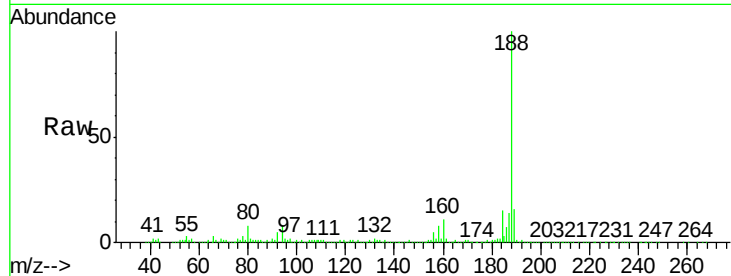
ClientSampleId :

SP-004(0-2)MSD

Tot Ion:	188	Resp:	609412
Ion Ratio	Lower	Upper	
188	100		
94	7.8	9.0	13.4#
80	8.0	9.6	14.4#

Manual Integrations
APPROVED

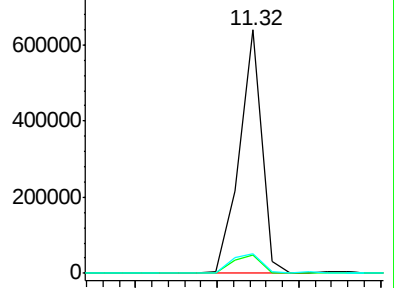
mohammad
1/20/2016 2:22:50 PM



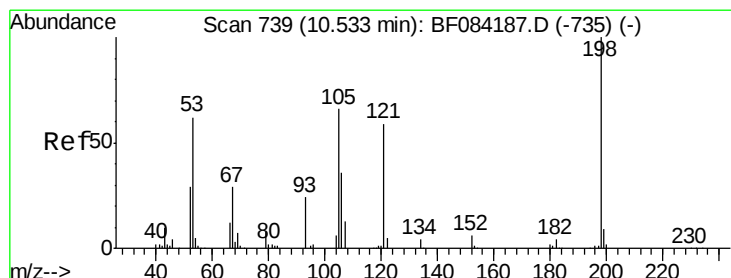
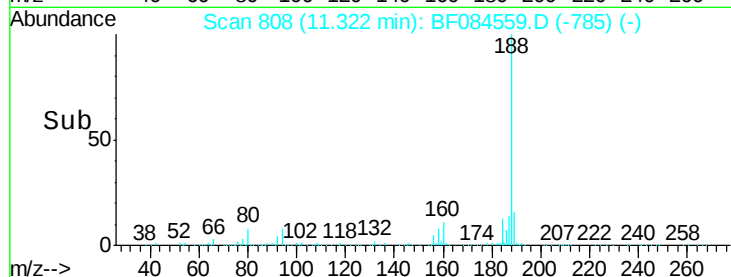
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 47.66 ng

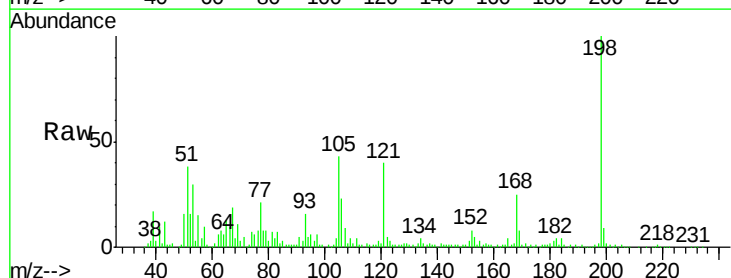
RT: 10.44 min Scan# 731

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

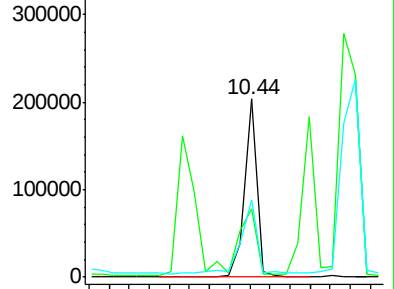
Tgt Ion:	198	Resp:	176018
Ion Ratio	Lower	Upper	
198	100		
51	38.1	18.9	58.9
105	43.0	26.4	66.4



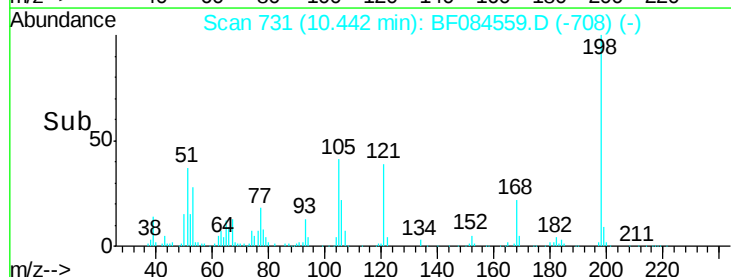
Abundance Ion 198.00 (197.70 to 198.70): E

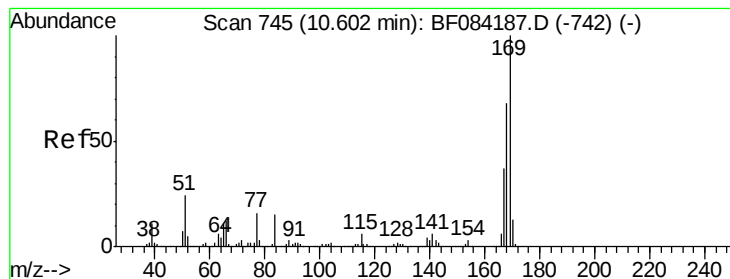
Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



Time-->





#65

n-Nitrosodiphenylamine

Concen: 47.40 ng

RT: 10.50 min Scan# 736

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

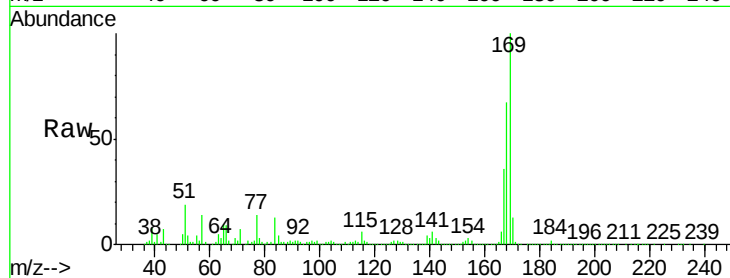
ClientSampled :

SP-004(0-2)MSD

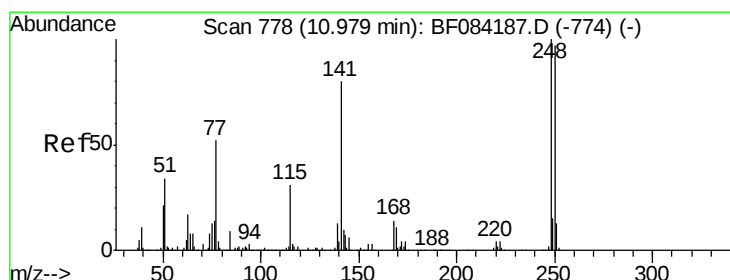
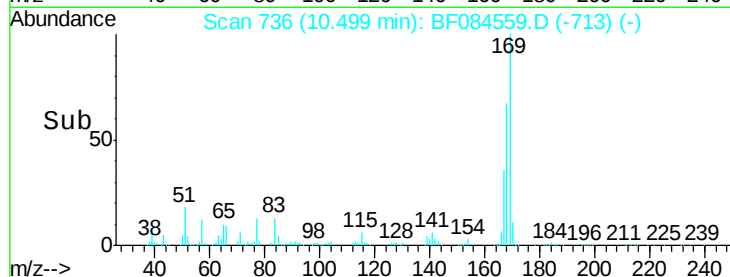
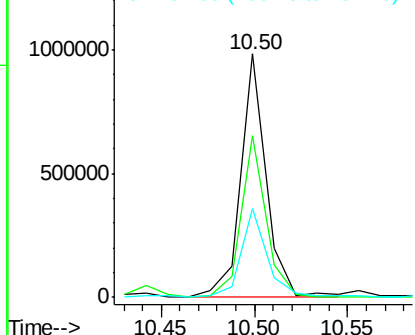
Tot Ion:	169	Resp:	923659
Ion Ratio	Lower	Upper	
169	100		
168	66.7	55.1	82.7
167	36.2	30.0	45.0

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 45.92 ng

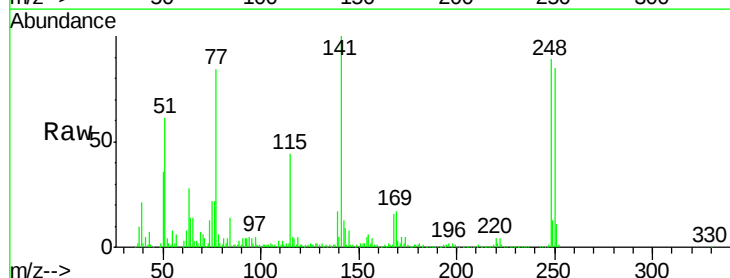
RT: 10.86 min Scan# 768

Delta R.T. -0.05 min

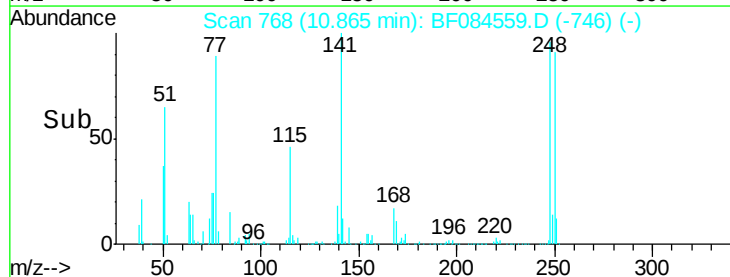
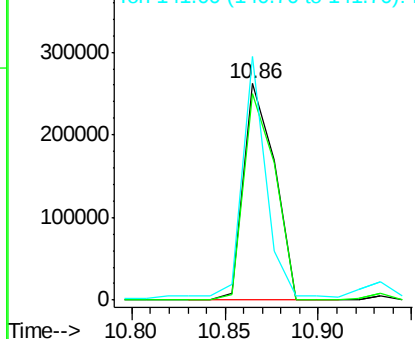
Lab File: BF084559.D

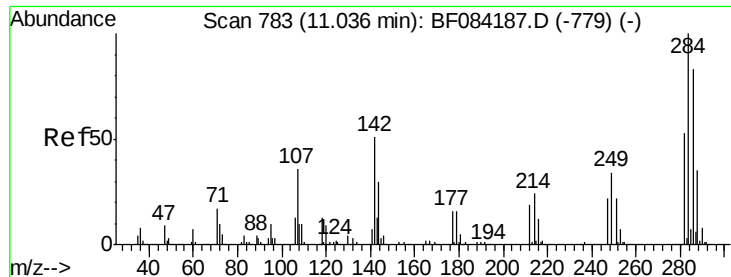
Acq: 19 Jan 2016 18:29

Tgt Ion:	248	Resp:	301228
Ion Ratio	Lower	Upper	
248	100		
250	95.7	78.4	117.6
141	112.5	44.0	66.0#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





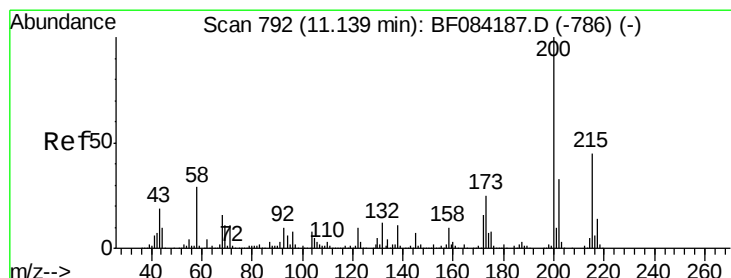
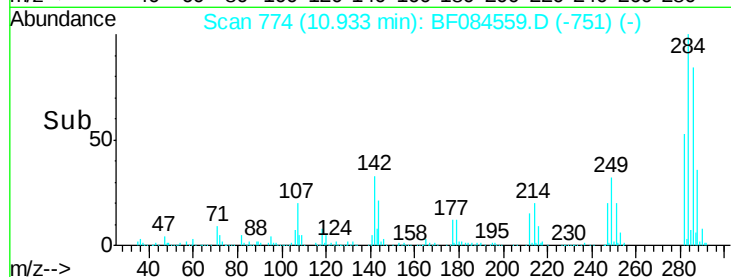
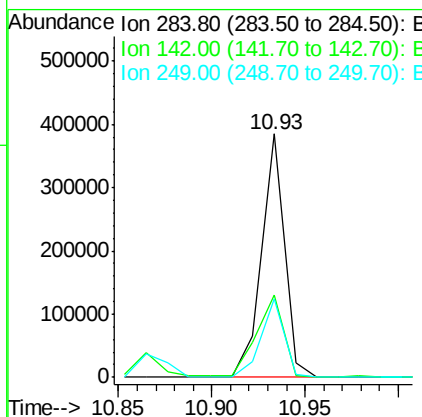
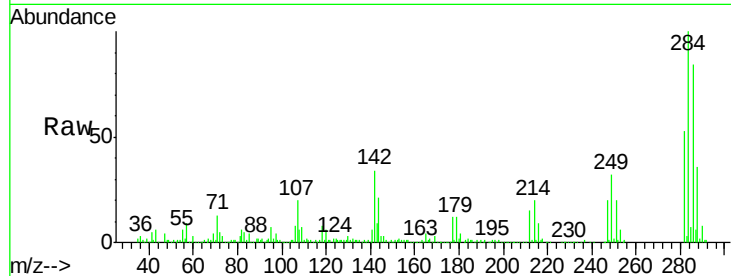
#67
Hexachlorobenzene
Concen: 44.07 ng
RT: 10.93 min Scan# 774
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
284	100	325384		
142	33.6	22.2	33.4	#
249	32.3	24.6	37.0	

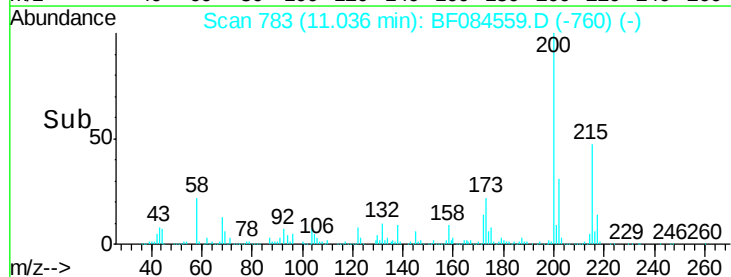
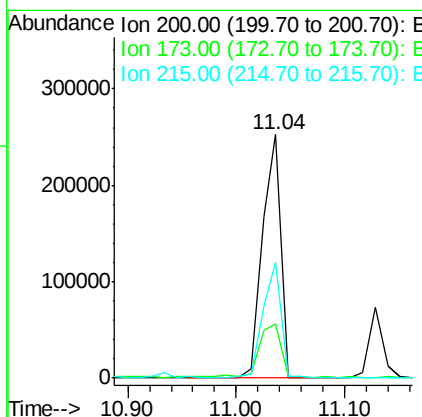
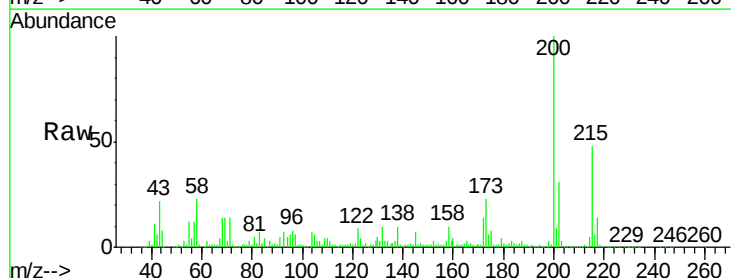
Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#68
Atrazine
Concen: 46.76 ng
RT: 11.04 min Scan# 783
Delta R.T. -0.03 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	298176		
173	22.5	9.5	49.5	
215	47.6	23.8	63.8	





#69

Pentachlorophenol

Concen: 79.11 ng

RT: 11.13 min Scan# 791

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

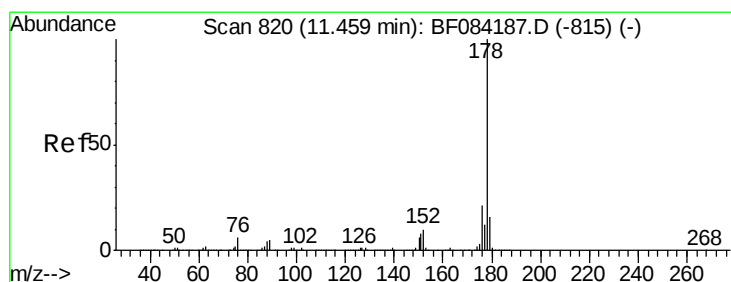
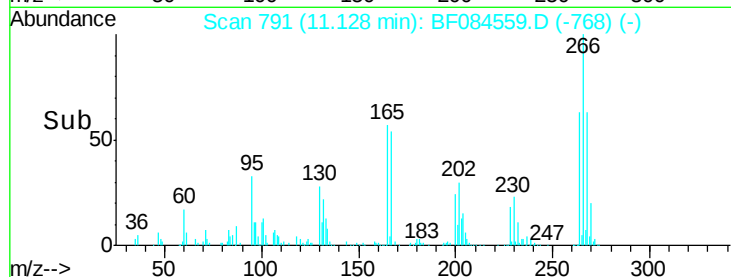
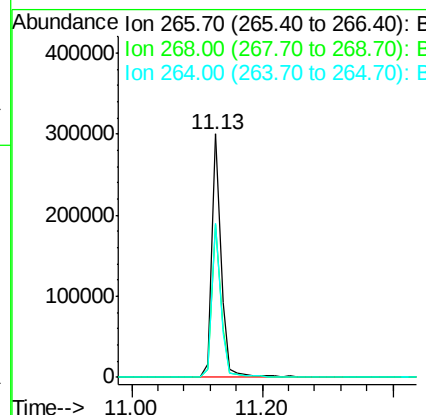
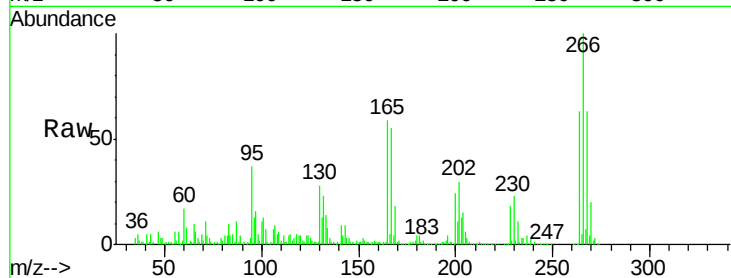
ClientSampleId :

SP-004(0-2)MSD

Tot Ion:	266	Resp:	302828
Ion Ratio		Lower	Upper
266	100		
268	62.7	52.4	78.6
264	63.2	50.2	75.2

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#70

Phenanthrene

Concen: 45.72 ng

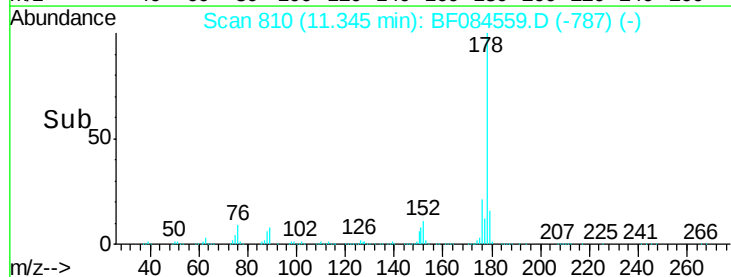
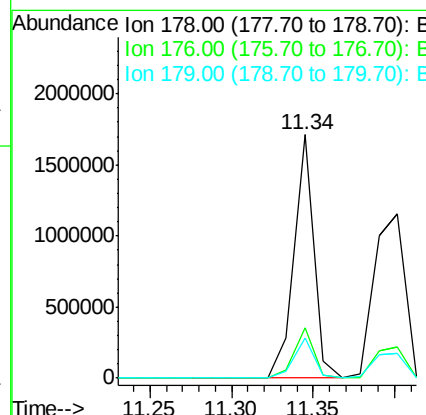
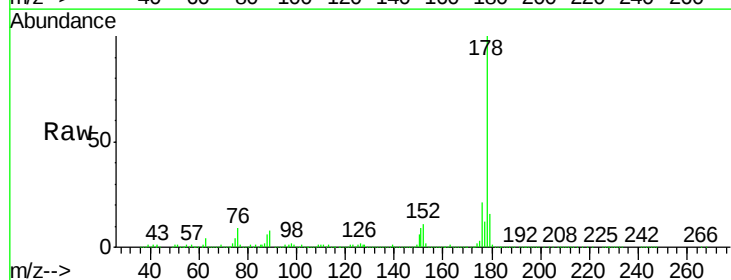
RT: 11.34 min Scan# 810

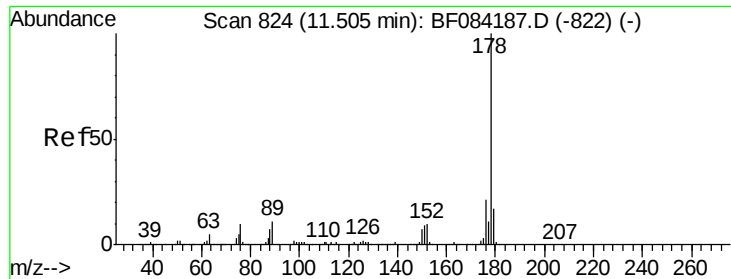
Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt Ion:	178	Resp:	1457436
Ion Ratio		Lower	Upper
178	100		
176	20.8	15.3	22.9
179	16.2	12.0	18.0





#71

Anthracene

Concen: 48.64 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

Tot Ion:178 Resp: 1520036

Ion Ratio Lower Upper

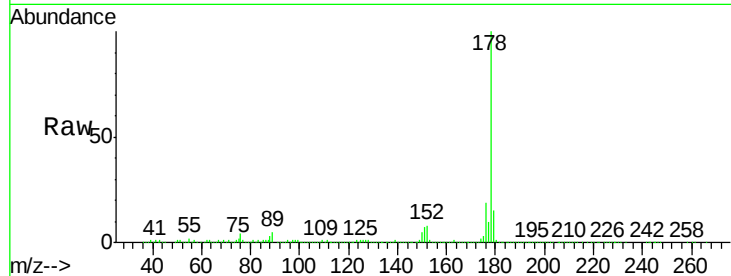
178 100

176 19.1 15.4 23.0

179 15.3 12.5 18.7

Manual Integrations
APPROVED

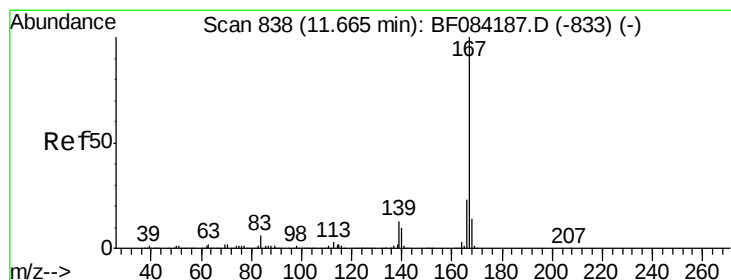
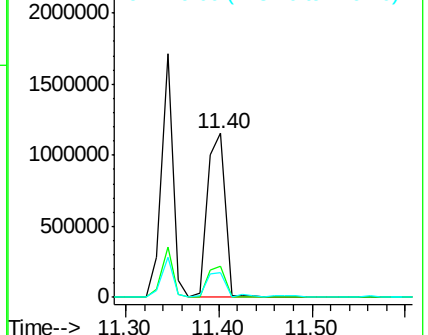
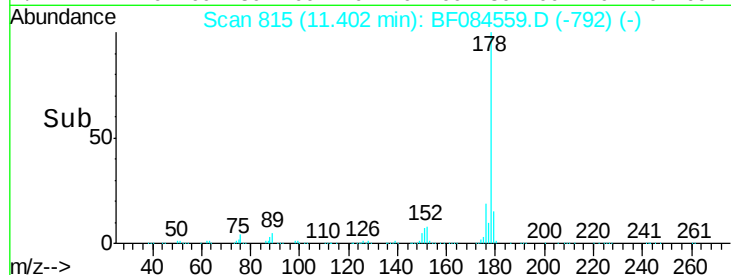
mohammad
1/20/2016 2:22:50 PM



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

Carbazole

Concen: 38.52 ng

RT: 11.55 min Scan# 828

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

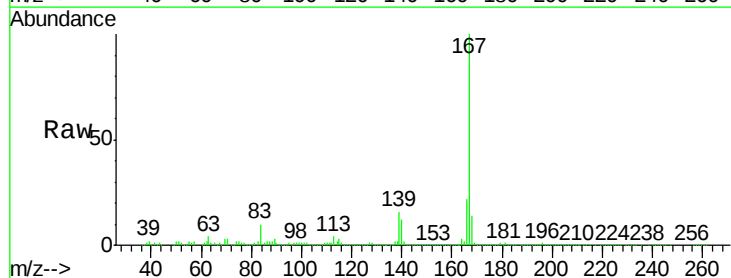
Tgt Ion:167 Resp: 1176792

Ion Ratio Lower Upper

167 100

166 22.4 17.6 26.4

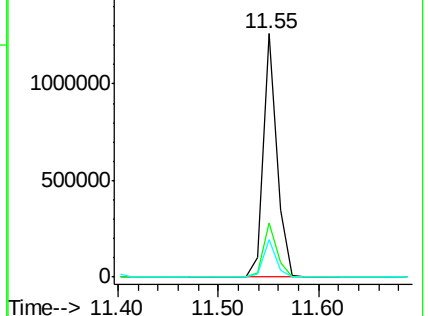
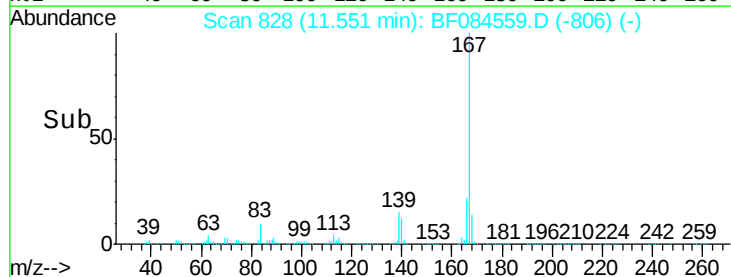
139 15.6 11.8 17.8

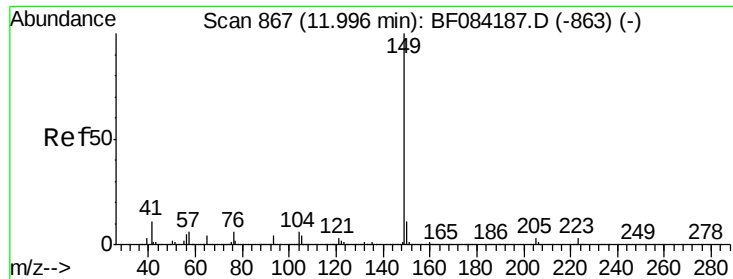


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 54.44 ng

RT: 11.89 min Scan# 858

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

Tot Ion:149 Resp: 1677969

Ion Ratio Lower Upper

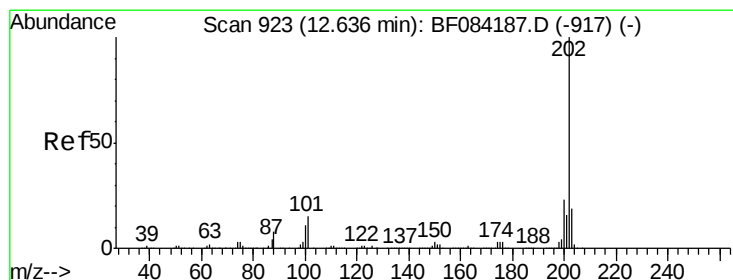
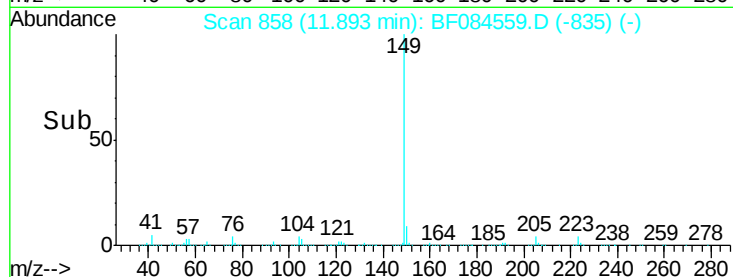
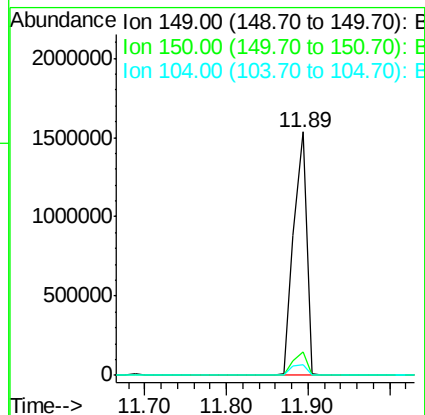
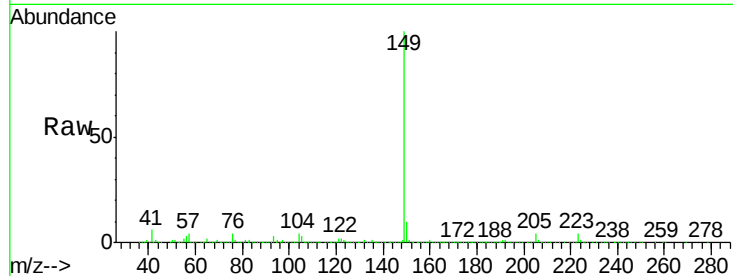
149 100

150 9.5 7.1 10.7

104 4.3 3.2 4.8

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#74

Fluoranthene

Concen: 45.77 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

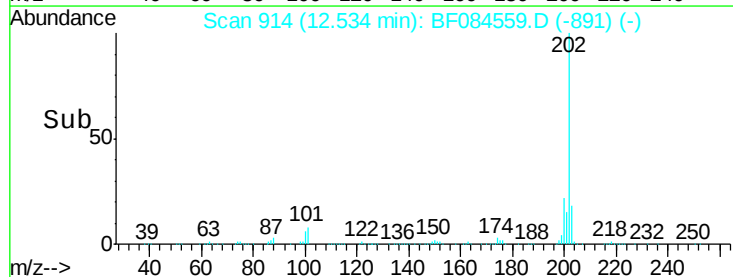
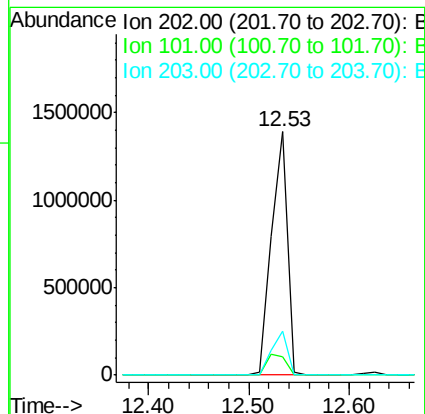
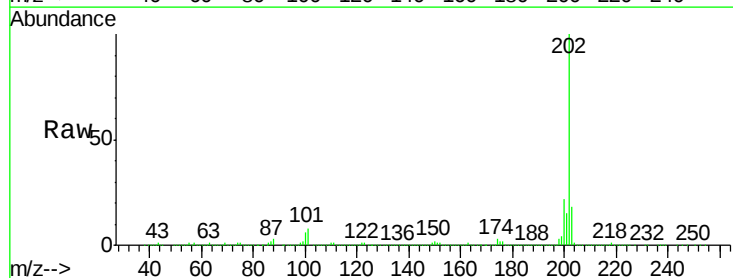
Tgt Ion:202 Resp: 1524198

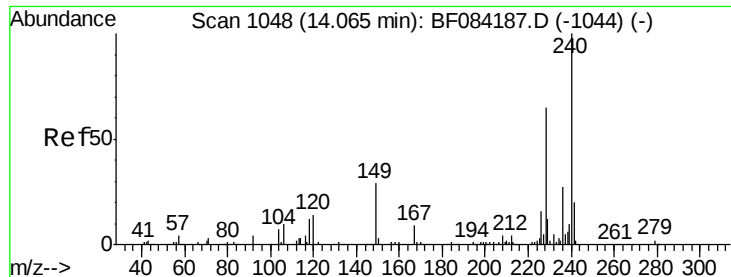
Ion Ratio Lower Upper

202 100

101 7.6 0.0 32.8

203 18.1 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

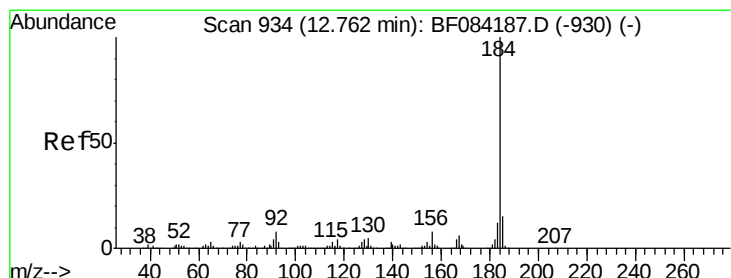
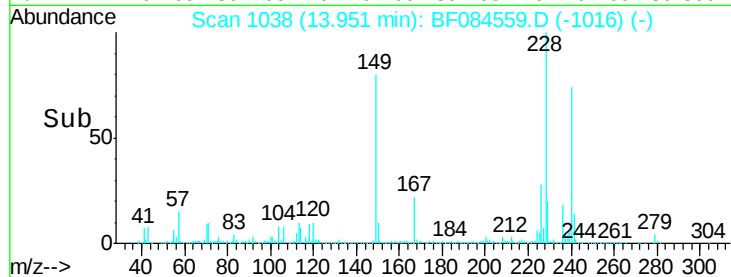
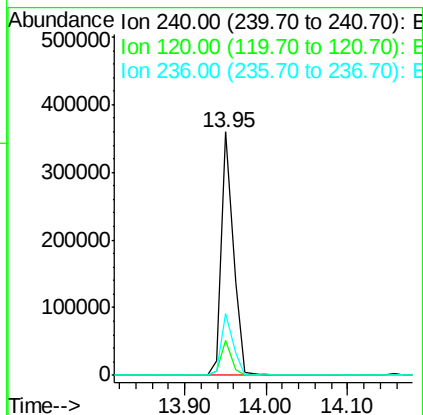
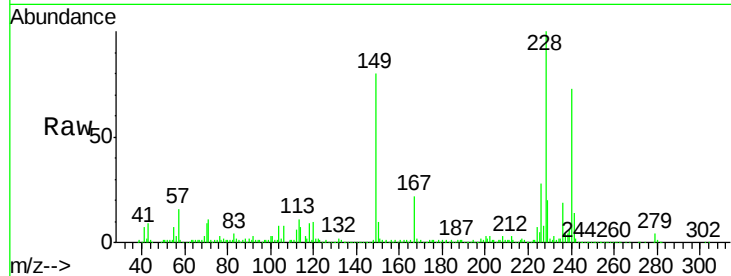
ClientSampleId :

SP-004(0-2)MSD

Tot Ion:	240	Resp:	365601
Ion Ratio		Lower	Upper
240	100		
120	14.1	9.5	14.3
236	25.4	20.6	31.0

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#76

Benzidine

Concen: 5.58 ng

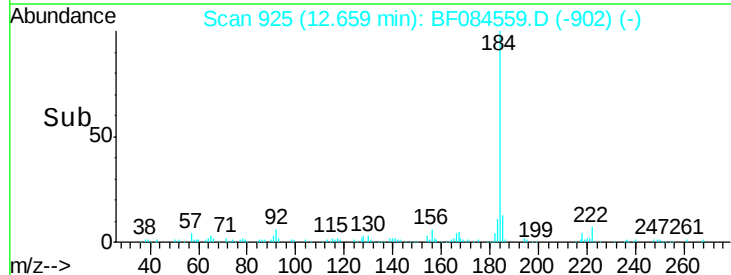
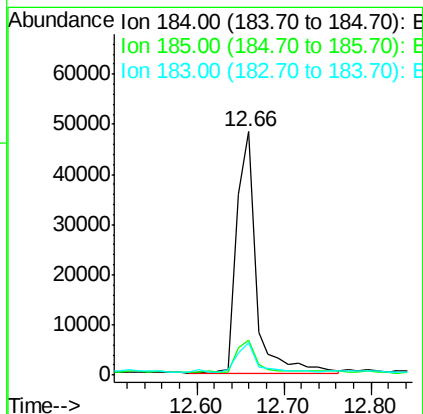
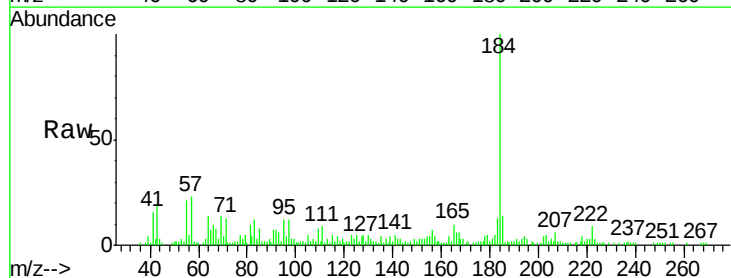
RT: 12.66 min Scan# 925

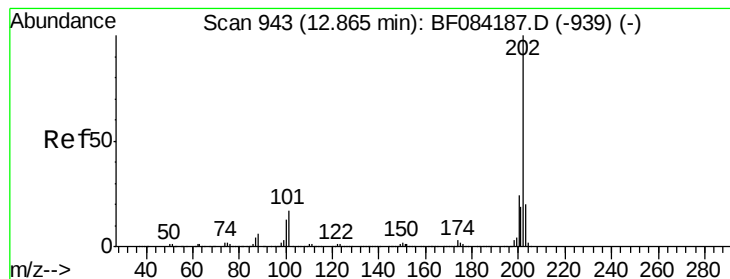
Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt Ion:	184	Resp:	73122
Ion Ratio		Lower	Upper
184	100		
185	14.3	12.2	18.2
183	13.1	9.8	14.8





#77

Pvrene

Concen: 51.12 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

Tot Ion:202 Resp: 1466675

Ion Ratio Lower Upper

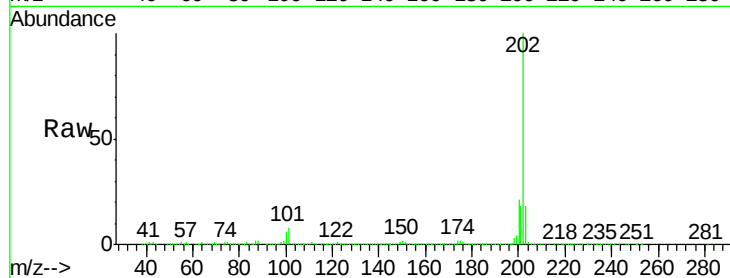
202 100

200 21.3 17.2 25.8

203 17.6 14.3 21.5

Manual Integrations
APPROVED

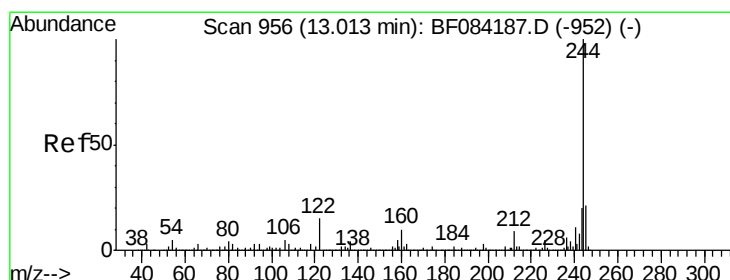
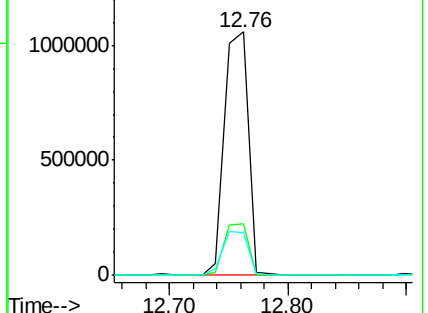
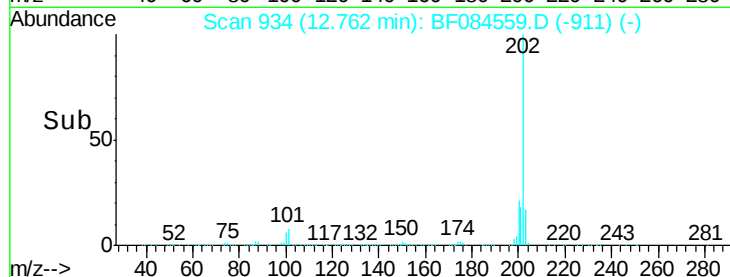
mohammad
1/20/2016 2:22:50 PM



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



#78

Terphenyl-d14

Concen: 77.83 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

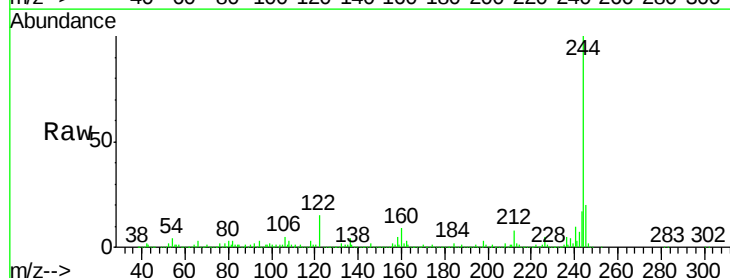
Tgt Ion:244 Resp: 1274672

Ion Ratio Lower Upper

244 100

212 7.9 5.7 8.5

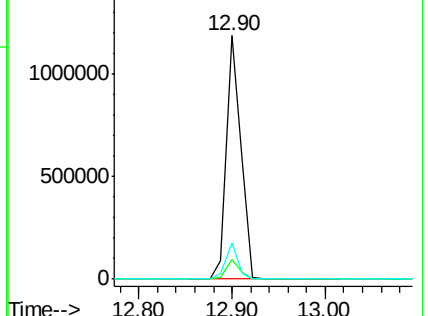
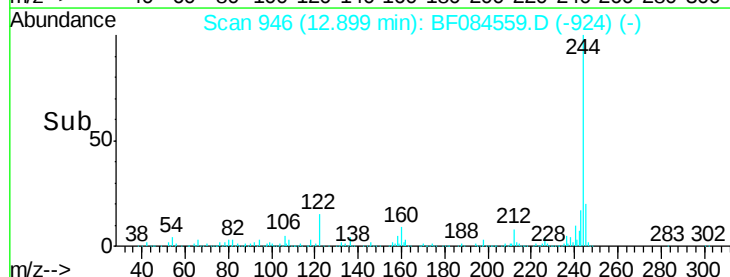
122 15.0 7.4 11.0#

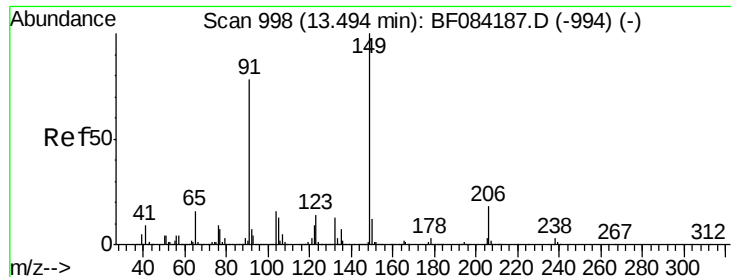


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





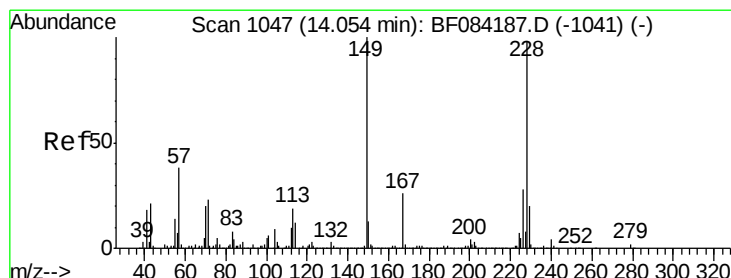
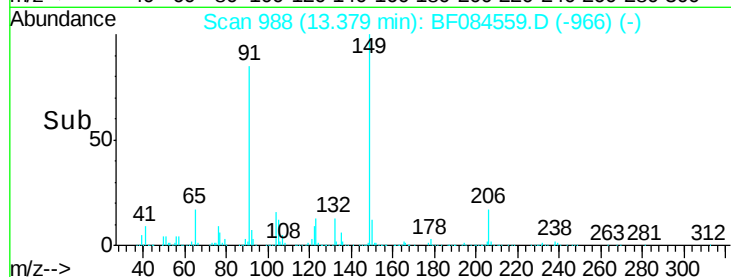
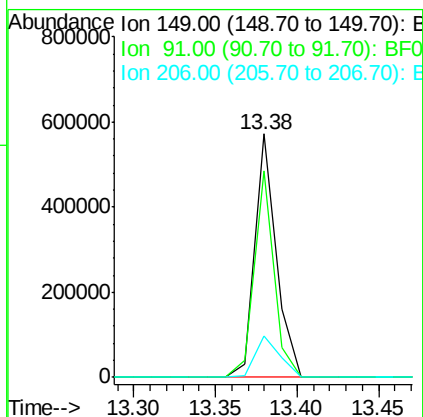
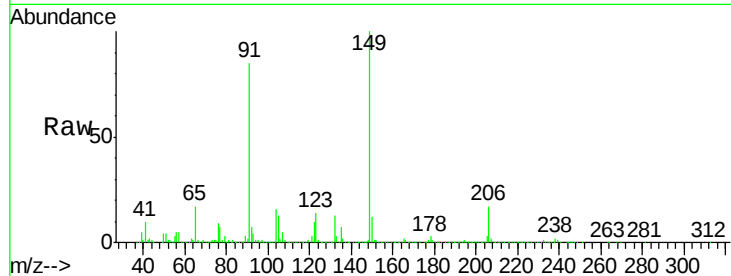
#79
Butylbenzylphthalate
Concen: 42.17 ng
RT: 13.38 min Scan# 988
Delta R.T. -0.05 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	523548		
91	84.8	57.6	86.4	
206	16.8	13.2	19.8	

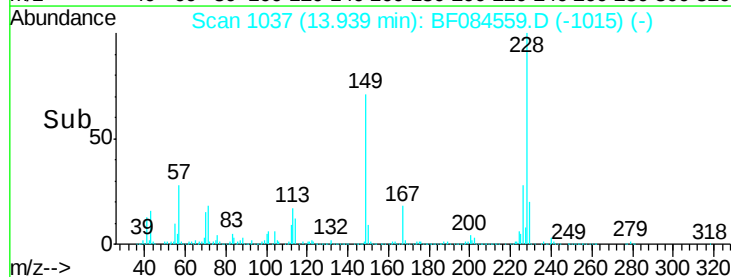
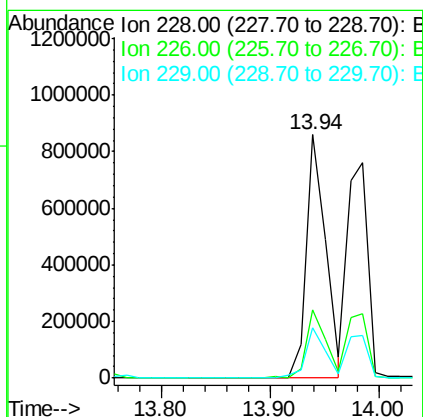
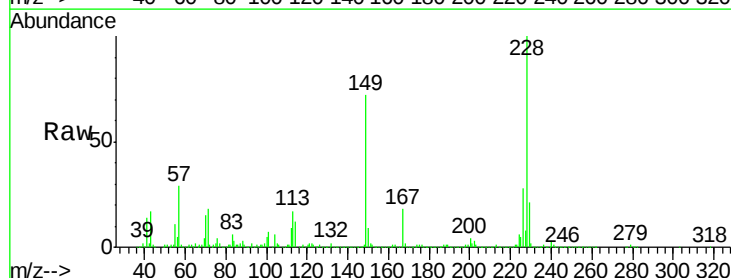
Manual Integrations
APPROVED

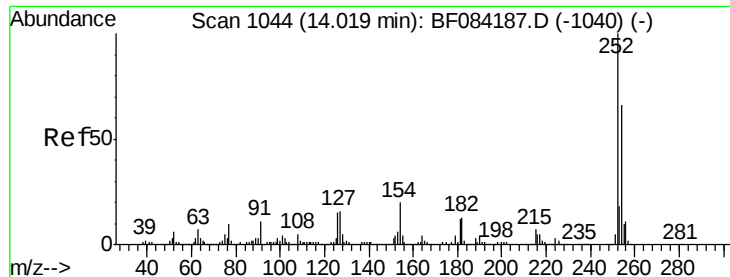
mohammad
1/20/2016 2:22:50 PM



#80
Benzo(a)anthracene
Concen: 49.31 ng
RT: 13.94 min Scan# 1037
Delta R.T. -0.05 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1058559		
226	28.2	21.8	32.6	
229	20.6	15.8	23.8	





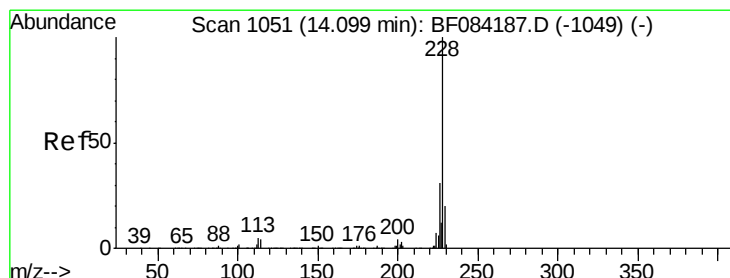
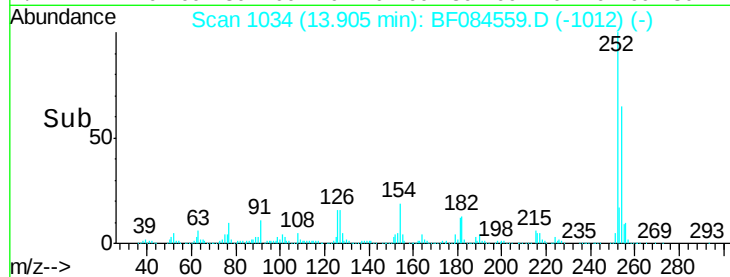
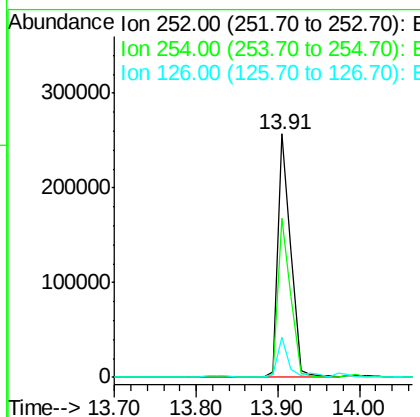
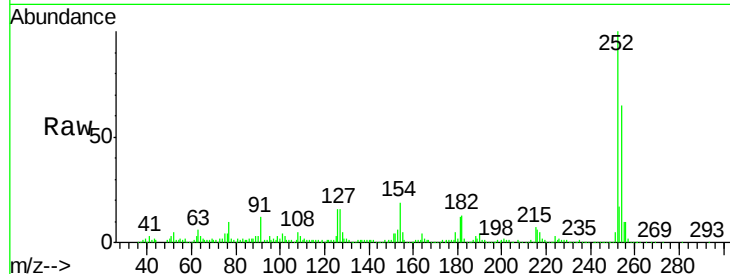
#81
 3,3'-Dichlorobenzidine
 Concen: 37.89 ng
 RT: 13.91 min Scan# 1034
 Delta R.T. -0.05 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Instrument :
 BNA_F
 ClientSampleId :
 SP-004(0-2)MSD

Tot Ion	Ratio	Resp	Lower	Upper
252	100	283841		
254	65.5	53.5	80.3	
126	16.3	4.9	7.3	

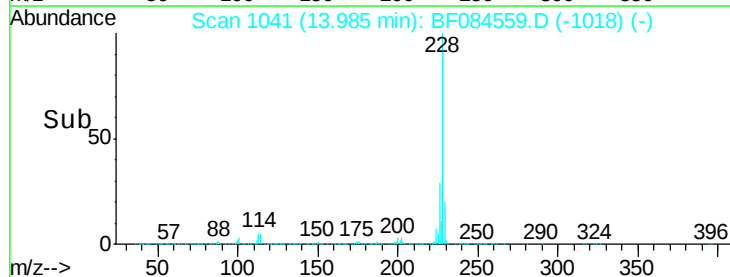
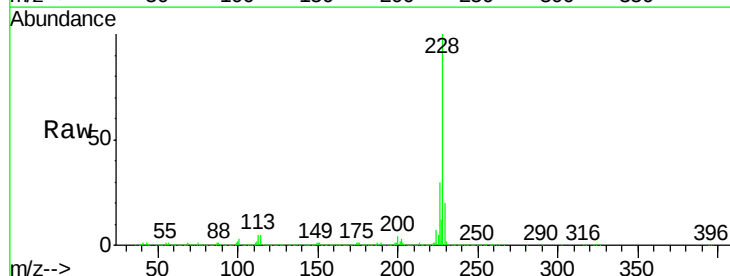
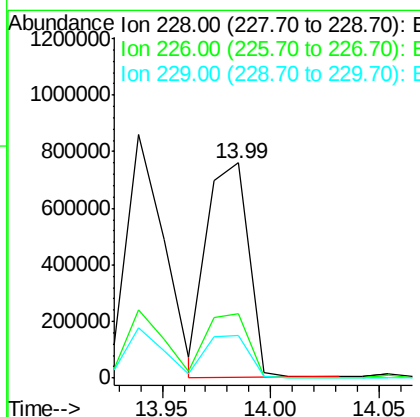
Manual Integrations
 APPROVED

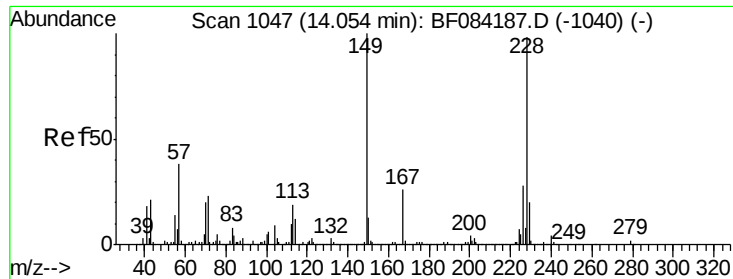
mohammad
 1/20/2016 2:22:50 PM



#82
 Chrysene
 Concen: 48.95 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.03 min
 Lab File: BF084559.D
 Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1009759		
226	29.9	24.3	36.5	
229	19.8	16.1	24.1	





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.58 ng

RT: 13.94 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

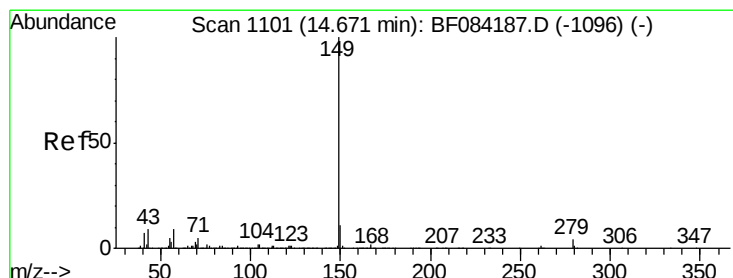
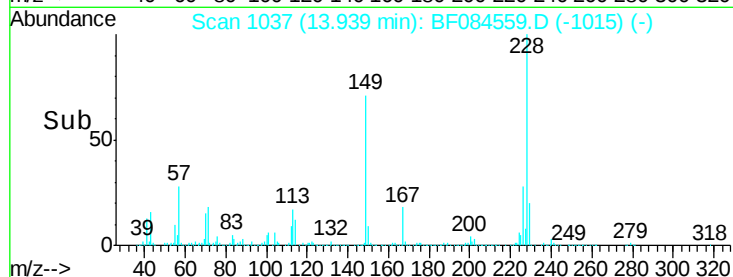
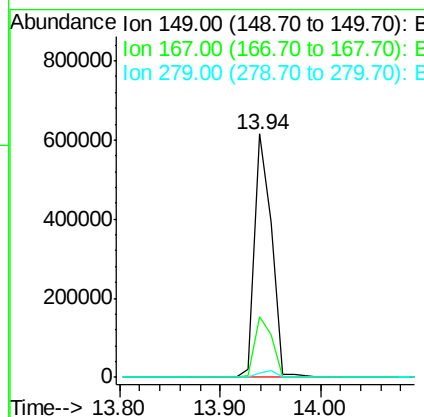
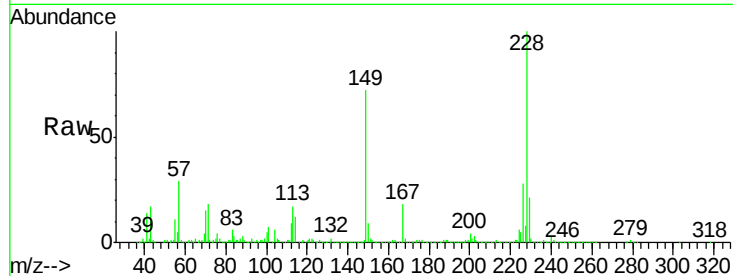
ClientSampleId :

SP-004(0-2)MSD

Tot Ion:	149	Resp:	714940
Ion Ratio	Lower	Upper	
149	100		
167	24.8	19.7	29.5
279	1.9	1.8	2.6

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM



#84

Di-n-octyl phthalate

Concen: 47.31 ng

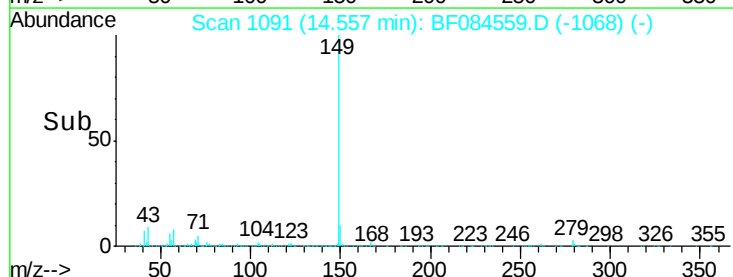
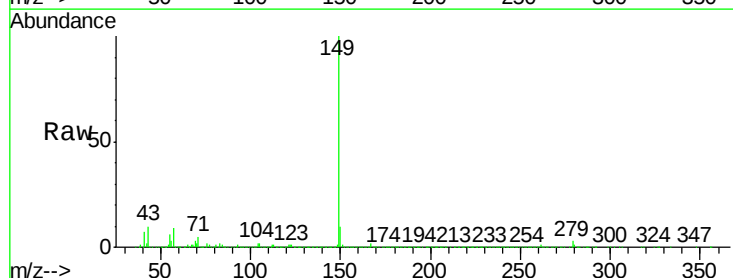
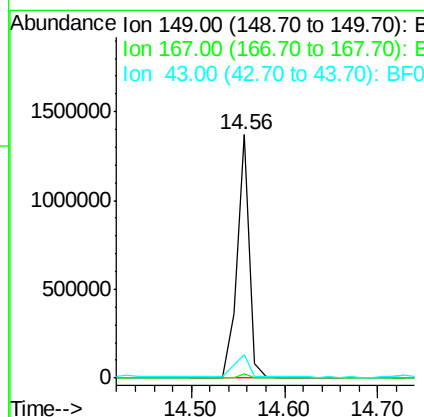
RT: 14.56 min Scan# 1091

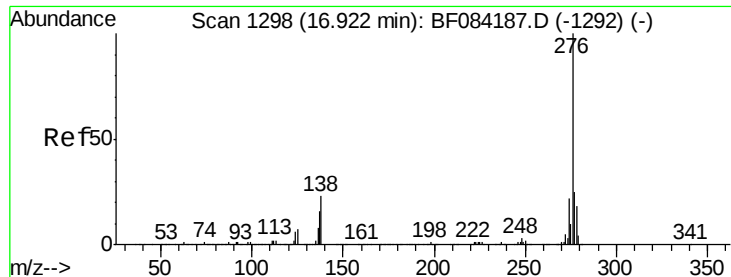
Delta R.T. -0.03 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Tgt Ion:	149	Resp:	1252817
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	12.0	5.6	8.4#





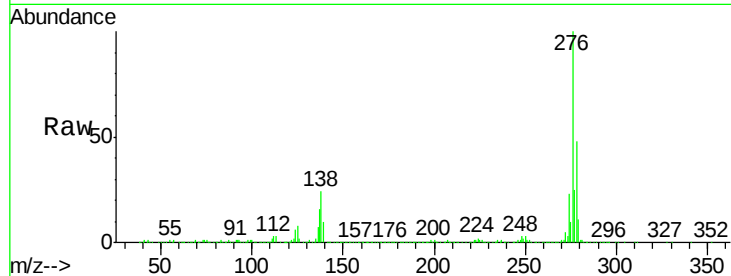
#85
Indeno(1,2,3-cd)pyrene
Concen: 76.91 ng
RT: 16.73 min Scan# 1281
Delta R.T. -0.07 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

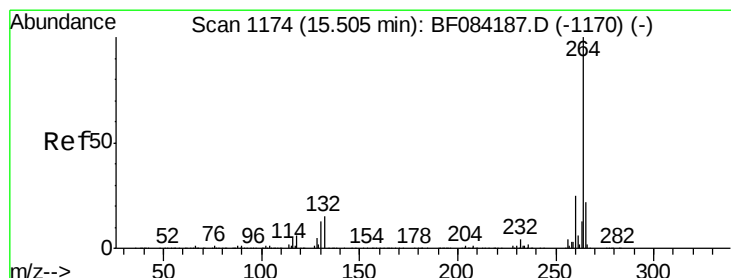
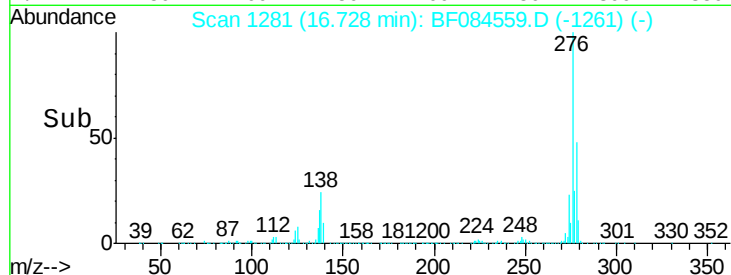
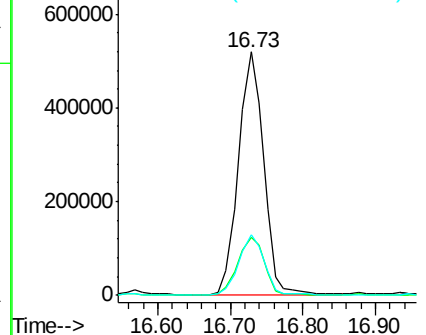
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.4	20.6	30.8
277	25.0	20.1	30.1

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM

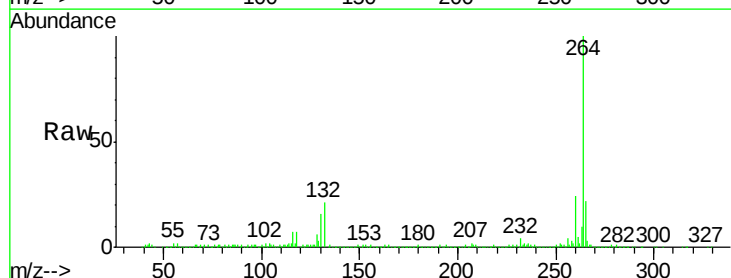


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

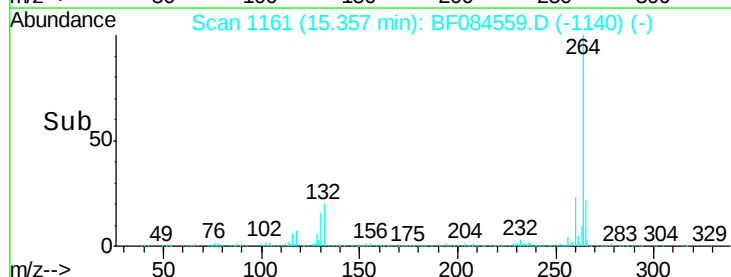
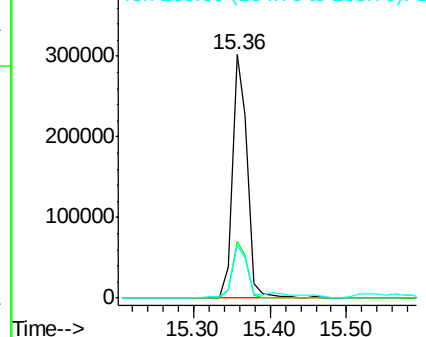


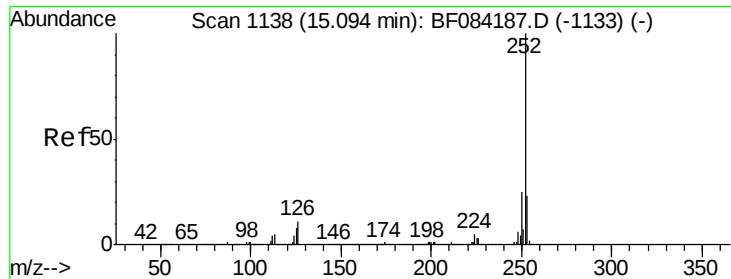
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.06 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	21.8	17.8	26.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





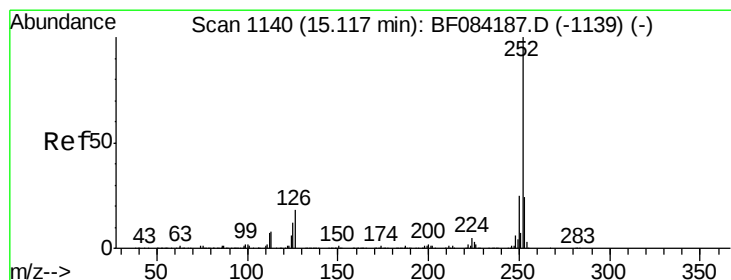
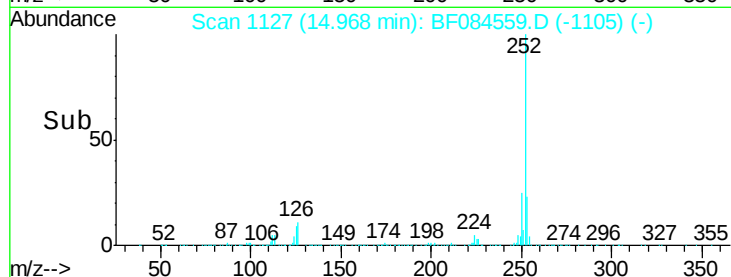
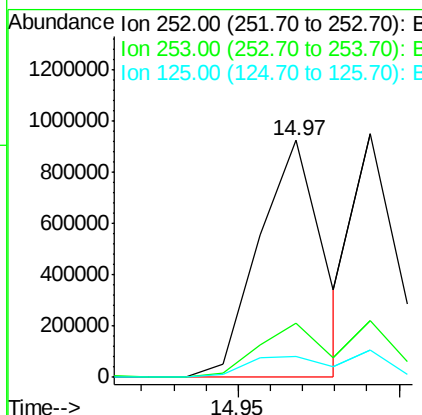
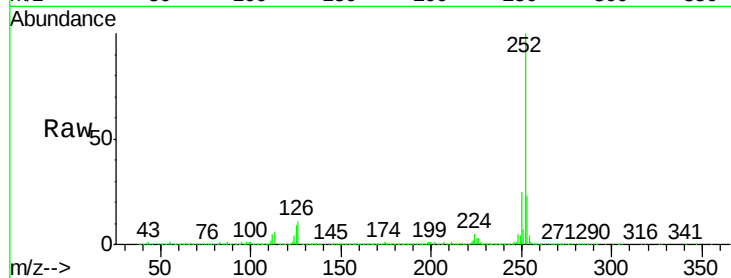
#87
Benzo(b)fluoranthene
Concen: 47.29 ng m
RT: 14.97 min Scan# 1127
Delta R.T. -0.05 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

Tot Ion:252 Resp: 1283417
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 8.7 6.5 9.7

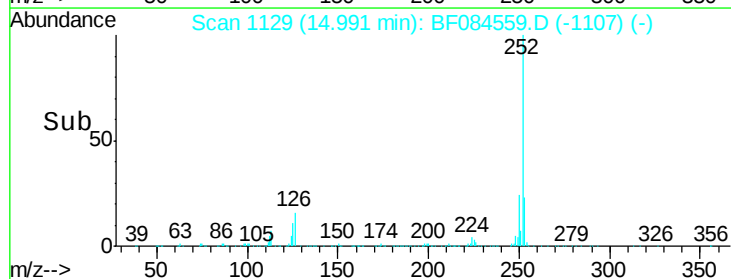
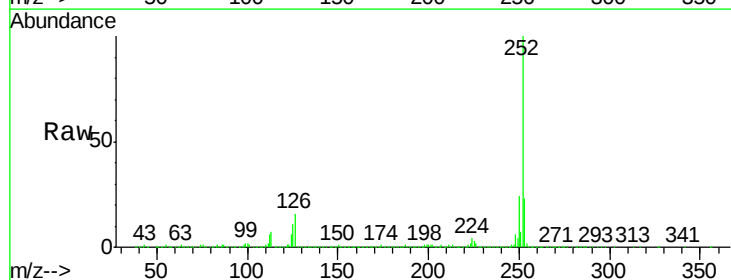
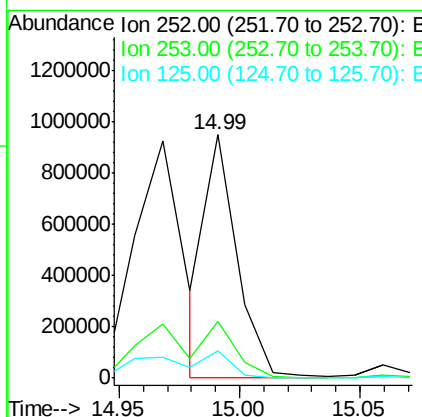
Manual Integrations
APPROVED

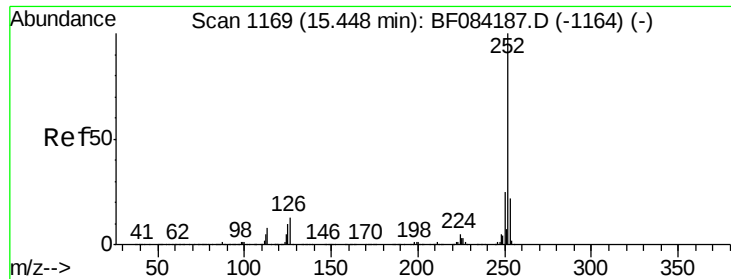
mohammad
1/20/2016 2:22:50 PM



#88
Benzo(k)fluoranthene
Concen: 39.36 ng m
RT: 14.99 min Scan# 1129
Delta R.T. -0.05 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion:252 Resp: 873728
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 11.1 9.0 13.6





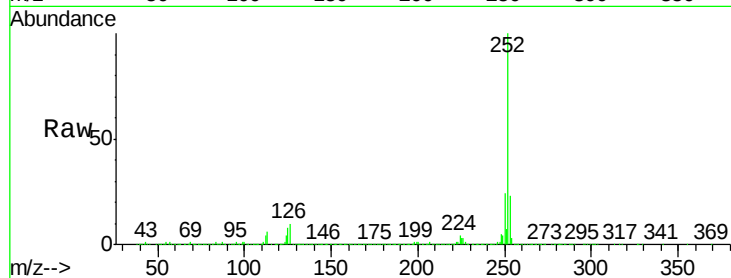
#89
Benzo(a)pyrene
Concen: 47.44 ng
RT: 15.31 min Scan# 1157
Delta R.T. -0.05 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Instrument :
BNA_F
ClientSampleId :
SP-004(0-2)MSD

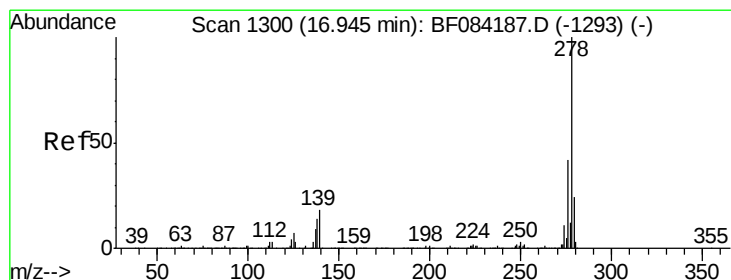
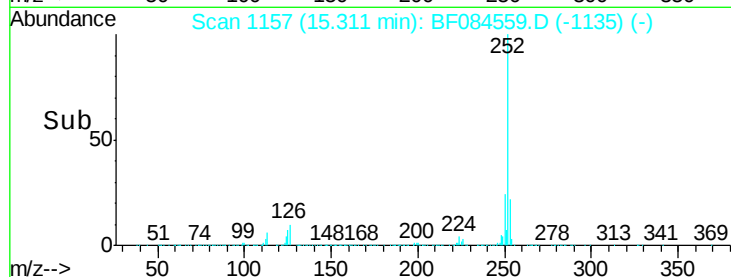
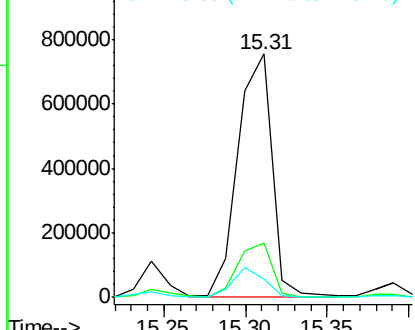
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.3	25.9
125	7.7	7.0	10.4

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM

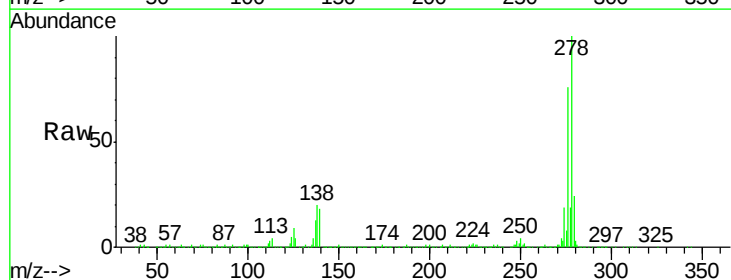


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

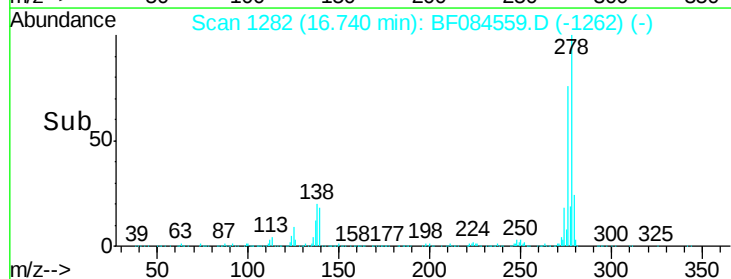
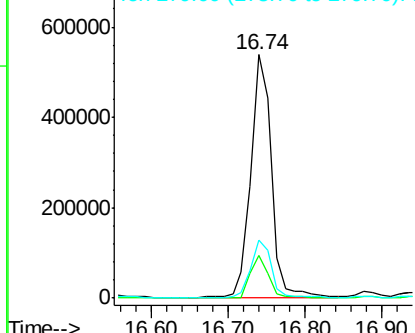


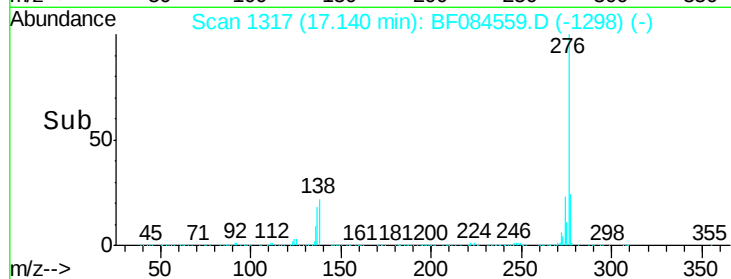
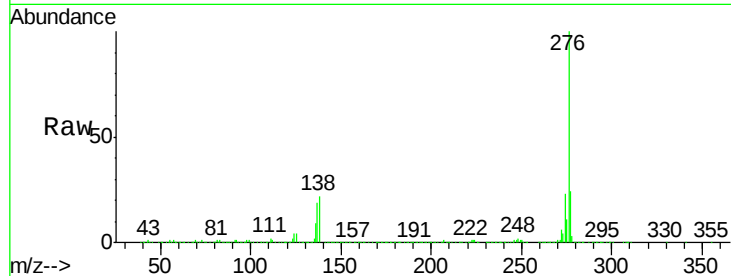
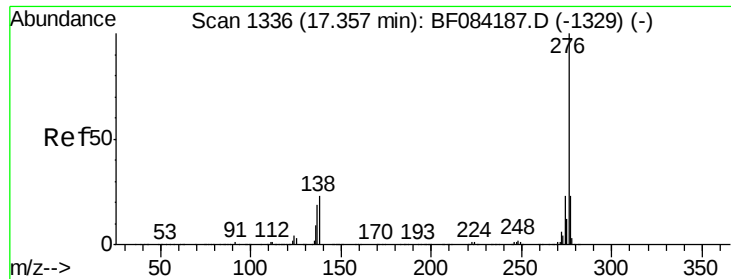
#90
Dibenzo(a,h)anthracene
Concen: 50.41 ng
RT: 16.74 min Scan# 1282
Delta R.T. -0.07 min
Lab File: BF084559.D
Acq: 19 Jan 2016 18:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.7	15.0	22.4
279	24.0	18.9	28.3



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





#91

Benzo(a,h,i)perylene

Concen: 51.47 ng

RT: 17.14 min Scan# 1317

Delta R.T. -0.08 min

Lab File: BF084559.D

Acq: 19 Jan 2016 18:29

Instrument :

BNA_F

ClientSampleId :

SP-004(0-2)MSD

Tot Ion: 276 Resp: 1055869

Ion Ratio Lower Upper

276 100

277 23.7 18.8 28.2

138 21.9 17.8 26.6

Manual Integrations
APPROVED

mohammad
1/20/2016 2:22:50 PM

