

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050217\
 Data File : BF094814.D
 Acq On : 3 May 2017 2:16
 Operator : SJ/MA
 Sample : I2923-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6TH-ST-SOIL-CUTTINGS(COMP)

Manual Integrations
 APPROVED

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 5/4/2017 1:44:38 PM

Quant Time: May 03 04:40:52 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 02 17:18:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	94130	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	387908	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	176923	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	303845	20.00	ng	0.00
75) Chrysene-d12	18.64	240	210989	20.00	ng	-0.01
86) Perylene-d12	20.31	264	198134	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.68	112	812410	143.89	ng	0.00
7) Phenol-d6	7.28	99	986087	145.56	ng	0.00
23) Nitrobenzene-d5	8.62	82	534009	86.81	ng	-0.01
41) 2,4,6-Tribromophenol	13.88	330	195654	135.03	ng	0.00
44) 2-Fluorobiphenyl	11.52	172	932504	75.86	ng	0.00
78) Terphenyl-d14	17.31	244	681740	71.17	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.99	88	159	0.057	ng	# 1
6) Aniline	7.40	93	711	0.083	ng	# 1
8) 2-Chlorophenol	7.41	128	477	0.074	ng	# 1
9) Benzaldehyde	7.05	77	168	0.041	ng	# 1
10) Phenol	7.29	94	13522	1.894	ng	86
11) bis(2-Chloroethyl)ether	7.40	93	711	0.121	ng	# 1
15) Benzyl Alcohol	7.97	79	8607	1.975	ng	# 49
16) 2,2'-oxybis(1-Chloropropan	7.95	45	117	0.014	ng	# 1
17) 2-Methylphenol	8.27	107	704	0.134	ng	# 36
18) Hexachloroethane	8.58	117	251	0.100	ng	# 1
20) 3+4-Methylphenols	8.53	107	4447	0.622	ng	# 53
22) Acetophenone	8.41	105	2111	0.227	ng	# 96
24) Nitrobenzene	8.62	77	2082	0.323	ng	# 36
25) Isophorone	8.99	82	172	0.016	ng	# 67
27) 2,4-Dimethylphenol	9.32	122	3929	0.698	ng	90
28) bis(2-Chloroethoxy)methane	9.36	93	510	0.067	ng	# 1
31) Naphthalene	9.80	128	2372583	121.695	ng	99
36) 4-Chloro-3-methylphenol	10.65	107	947	0.167	ng	# 14
37) 2-Methylnaphthalene	10.91	142	336852	26.326	ng	98
45) 1,1'-Biphenyl	11.67	154	69438	4.662	ng	98
47) 2-Nitroaniline	11.92	65	1317	0.400	ng	# 7
48) Acenaphthylene	12.34	152	314797	16.710	ng	97
49) Dimethylphthalate	12.21	163	159244	10.964	ng	99
50) 2,6-Dinitrotoluene	12.21	165	1661	0.561	ng	# 4
54) Dibenzofuran	12.92	168	352195	22.618	ng	95
56) 2,4-Dinitrotoluene	13.01	165	1042	0.274	ng	# 54
57) Fluorene	13.47	166	316630	23.385	ng	99
59) Diethylphthalate	13.37	149	870	0.062	ng	# 60
61) 4-Nitroaniline	13.47	138	3423	1.172	ng	# 25
62) Azobenzene	13.75	77	4098	0.366	ng	# 1
64) 4,6-Dinitro-2-methylphenol	13.87	198	354	0.174	ng	# 1
65) n-Nitrosodiphenylamine	13.69	169	2828	0.256	ng	# 3
70) Phenanthrene	15.02	178	1284532	73.578	ng	99
71) Anthracene	15.10	178	541948	30.390	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) Carbazole	15.38	167	226629	13.967	ng	96
73) Di-n-butylphthalate	15.95	149	2032	0.100	ng #	1
74) Fluoranthene	16.77	202	996549	55.647	ng	98
77) Pyrene	17.07	202	905037	57.355	ng	99
79) Butylbenzylphthalate	17.99	149	125	0.017	ng #	7
80) Benzo(a)anthracene	18.63	228	413136m	33.645	ng	
81) 3,3'-Dichlorobenzidine	18.61	252	162	0.038	ng #	6
82) Chrysene	18.68	228	388753m	32.742	ng	
83) Bis(2-ethylhexyl)phthalate	18.71	149	3013	0.288	ng #	93
84) Di-n-octyl phthalate	19.47	149	249	0.015	ng #	75
85) Indeno(1,2,3-cd)pyrene	21.59	276	140836	14.606	ng	95
87) Benzo(b)fluoranthene	19.91	252	322181m	26.316	ng	
88) Benzo(k)fluoranthene	19.93	252	132953m	11.258	ng	
89) Benzo(a)pyrene	20.25	252	318430	28.187	ng	99
90) Dibenzo(a,h)anthracene	21.61	278	34328	3.679	ng	94
91) Benzo(g,h,i)perylene	21.96	276	135051	14.750	ng	97

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

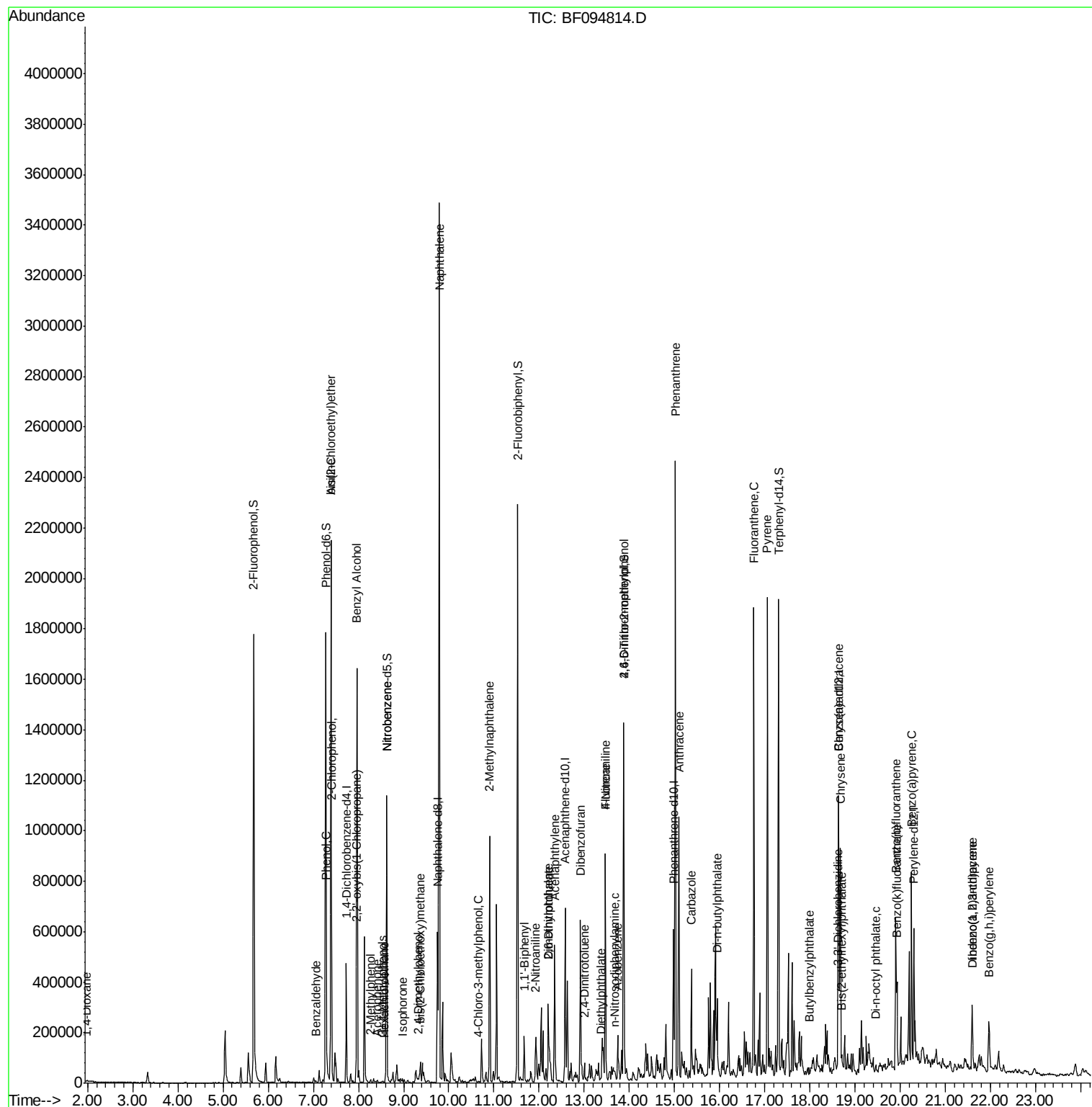
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#1

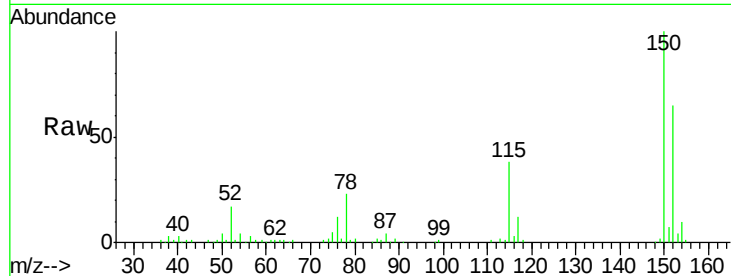
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.73 min Scan# 985
Delta R.T. -0.00 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

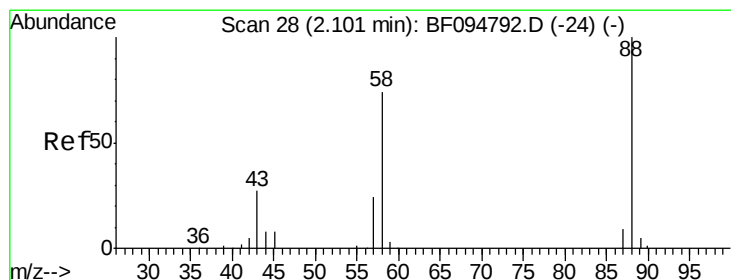
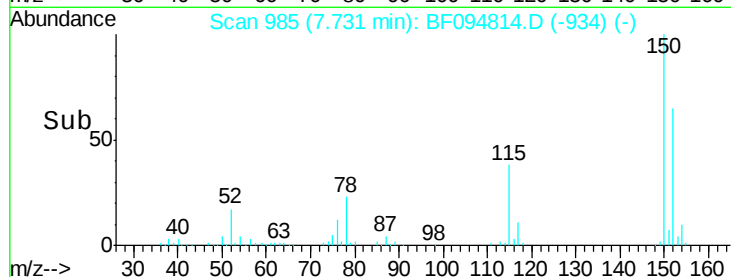
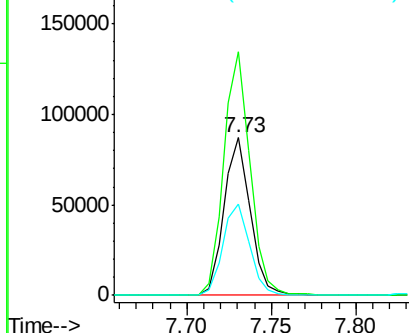
Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.2	189.2
115	58.2	52.2	78.2

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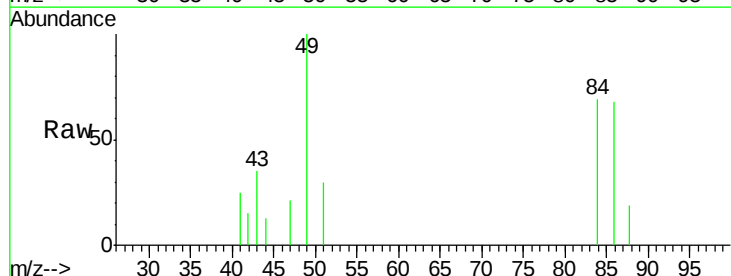
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



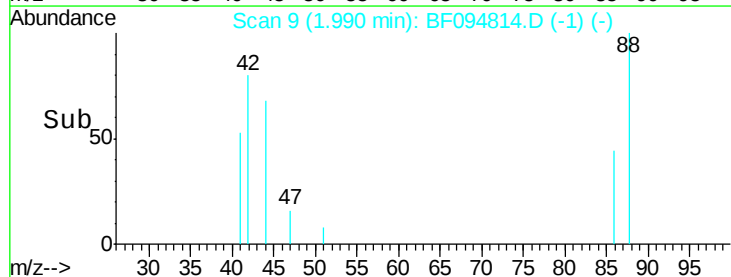
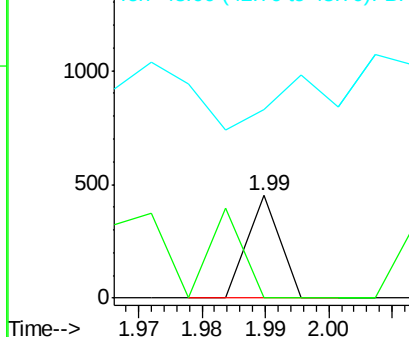
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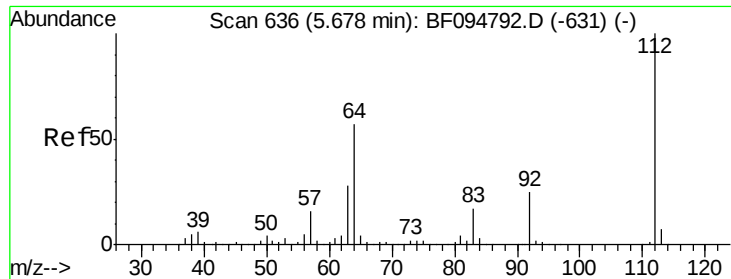
1,4-Dioxane
Concen: 0.057 ng
RT: 1.99 min Scan# 9
Delta R.T. -0.11 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Lower	Upper
88	100		
58	309.4	61.4	92.0#
43	0.0	23.4	35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 143.892 ng

RT: 5.68 min Scan# 637

Delta R.T. 0.01 min

Lab File: BF094814.D

Acq: 3 May 2017 2:16

Instrument :

BNA_F

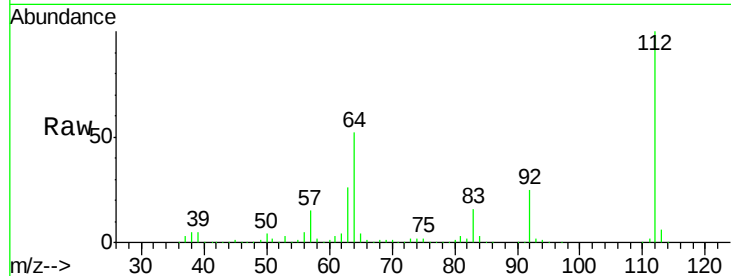
ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion:	112	Resp:	812410
Ion Ratio	Lower	Upper	
112	100		
64	52.2	46.0	69.0
63	26.2	23.4	35.0

Manual Integrations
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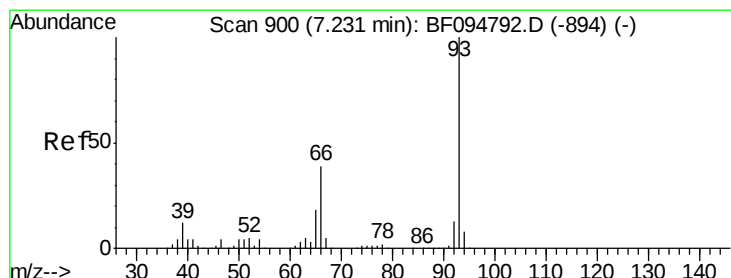
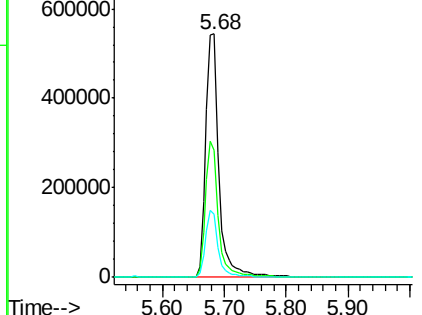
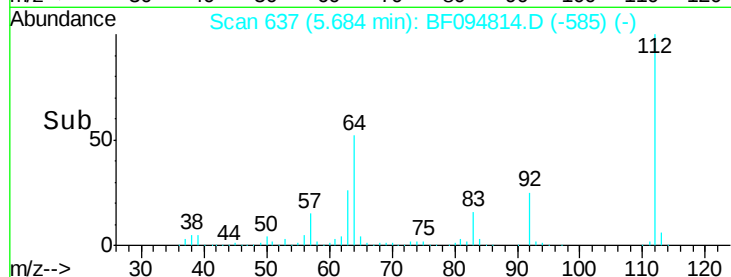
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.083 ng

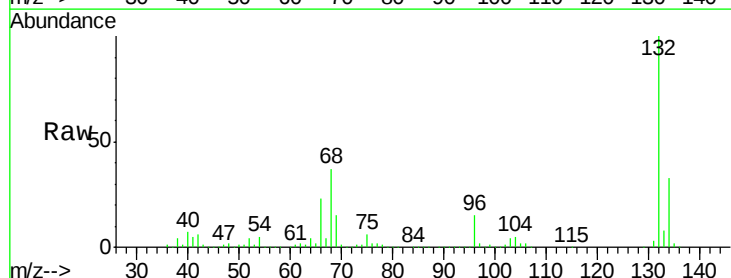
RT: 7.40 min Scan# 928

Delta R.T. 0.16 min

Lab File: BF094814.D

Acq: 3 May 2017 2:16

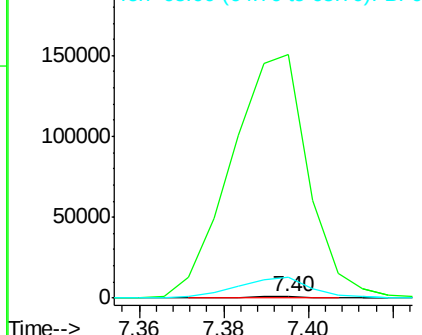
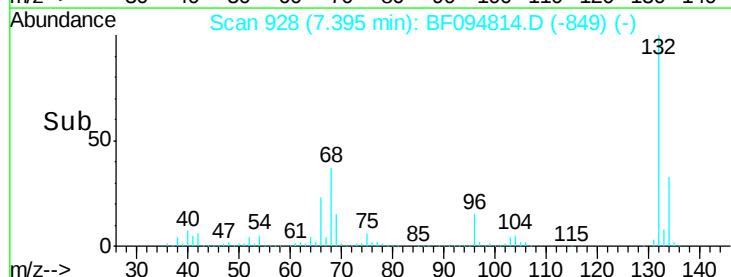
Tgt Ion:	93	Resp:	711
Ion Ratio	Lower	Upper	
93	100		
66	18409.8	32.9	49.3#
65	1560.8	16.0	24.0#

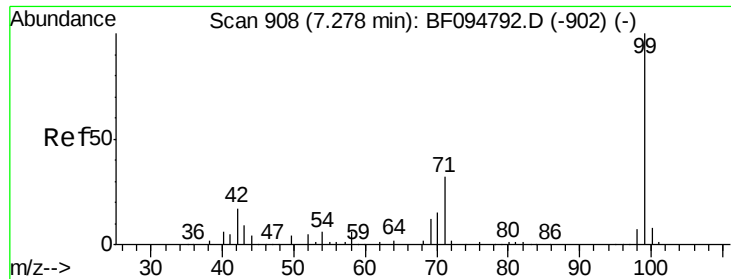


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 145.564 ng

RT: 7.28 min Scan# 908

Delta R.T. -0.00 min

Lab File: BF094814.D

Acq: 3 May 2017 2:16

Instrument :

BNA_F

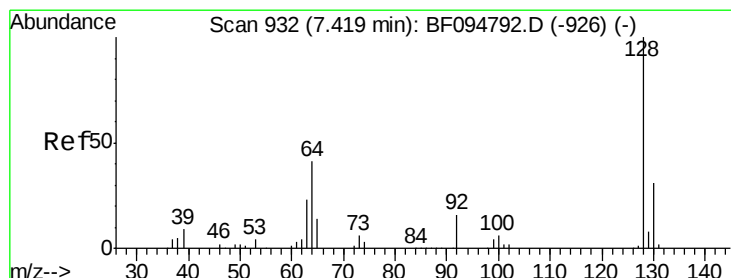
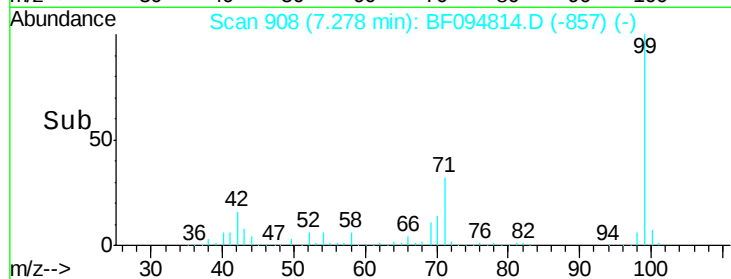
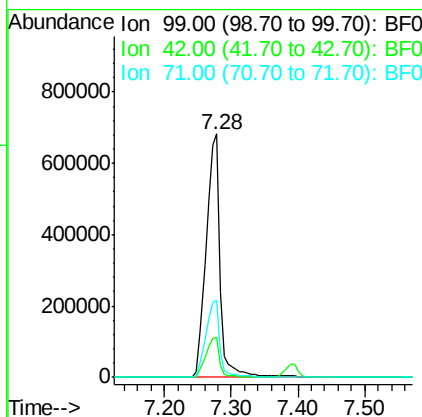
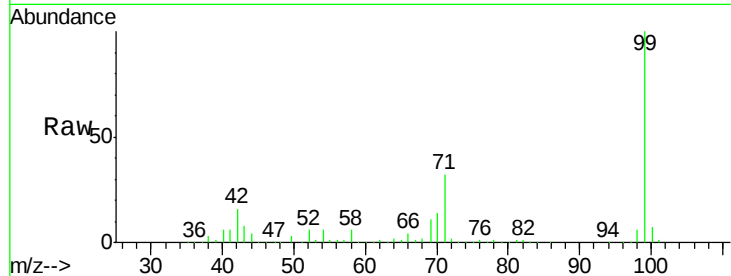
ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion:	99	Resp:	986087
Ion Ratio	Lower	Upper	
99	100		
42	16.4	13.5	20.3
71	32.0	24.5	36.7

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#8

2-Chlorophenol

Concen: 0.074 ng

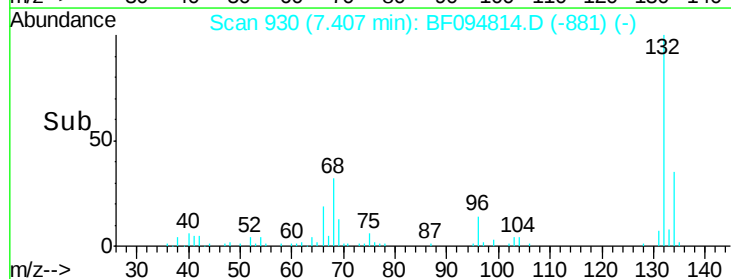
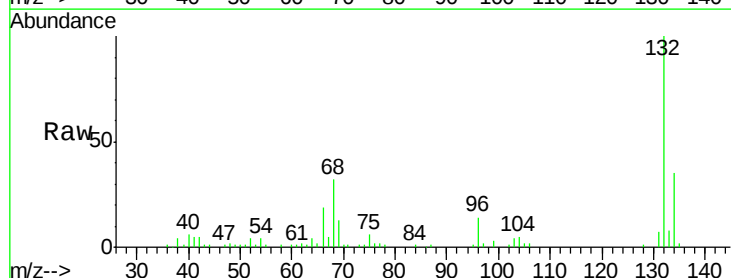
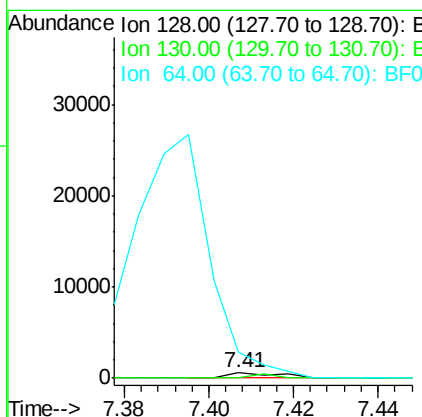
RT: 7.41 min Scan# 930

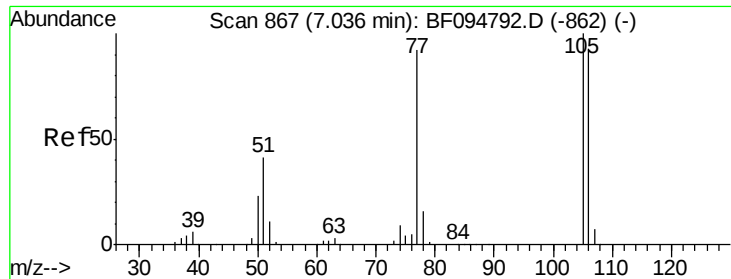
Delta R.T. -0.01 min

Lab File: BF094814.D

Acq: 3 May 2017 2:16

Tgt Ion:	128	Resp:	477
Ion Ratio	Lower	Upper	
128	100		
130	0.0	12.9	52.9#
64	504.7	28.4	68.4#





#9

Benzaldehyde

Concen: 0.041 ng

RT: 7.05 min Scan# 870

Delta R.T. 0.02 min

Lab File: BF094814.D

Acq: 3 May 2017 2:16

Instrument :

BNA_F

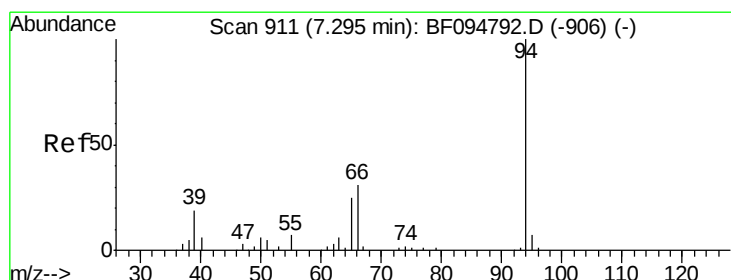
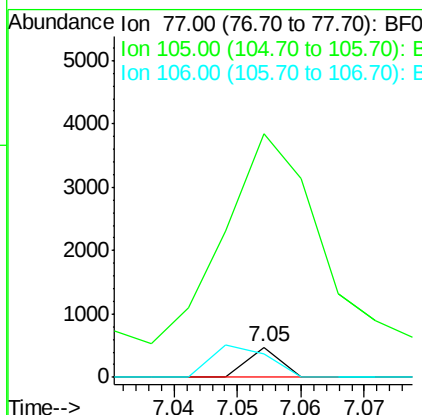
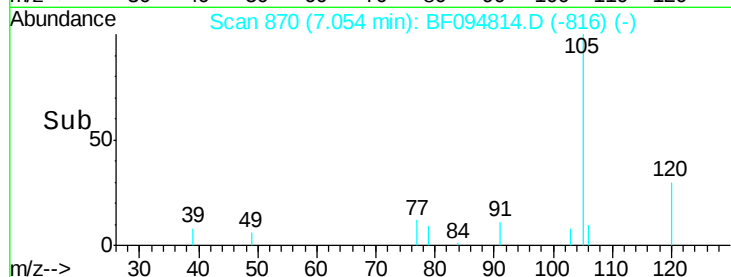
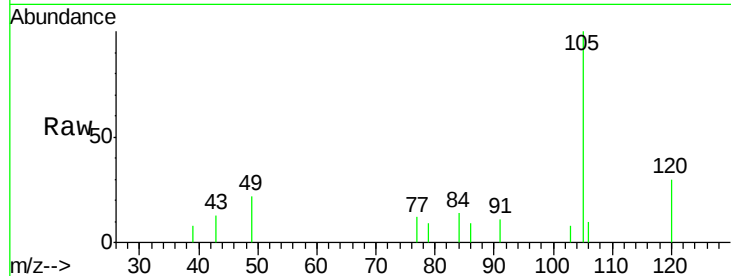
ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion: 77 Resp: 168
 Ion Ratio Lower Upper
 77 100
 105 805.7 83.8 123.8#
 106 79.2 79.1 119.1

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#10

Phenol

Concen: 1.894 ng

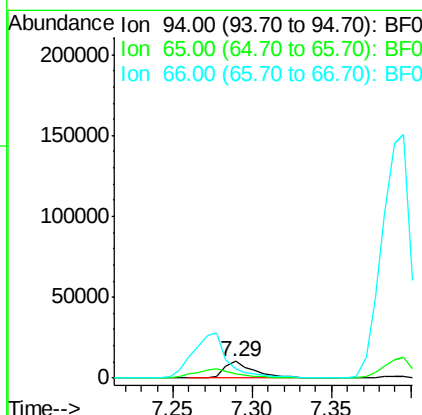
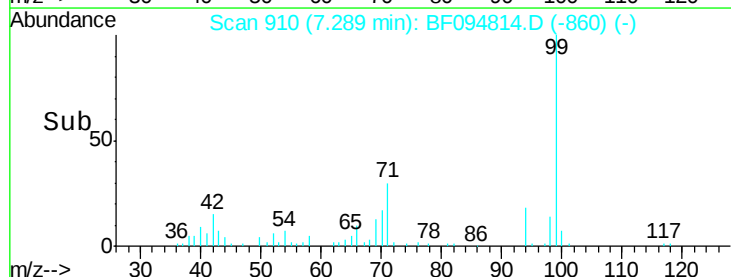
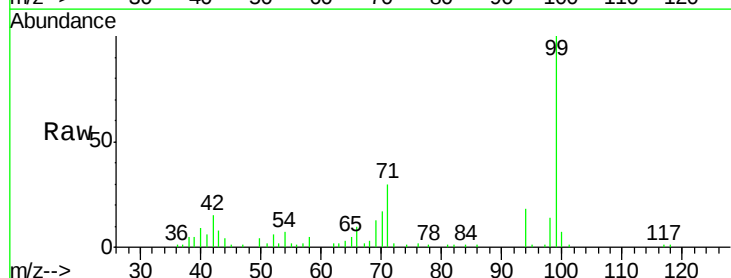
RT: 7.29 min Scan# 910

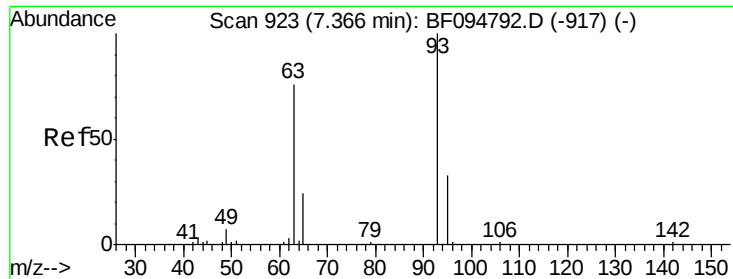
Delta R.T. -0.01 min

Lab File: BF094814.D

Acq: 3 May 2017 2:16

Tgt Ion: 94 Resp: 13522
 Ion Ratio Lower Upper
 94 100
 65 27.7 9.9 49.9
 66 56.8 23.1 63.1





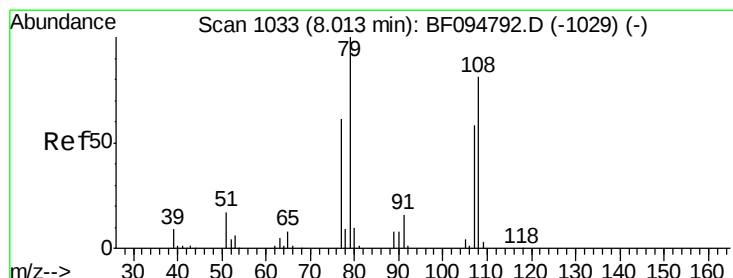
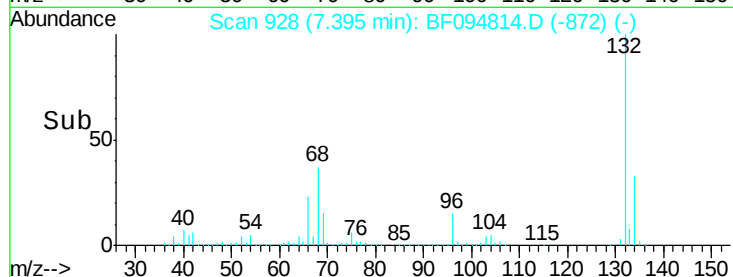
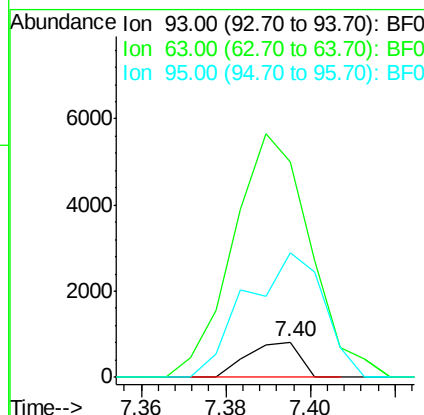
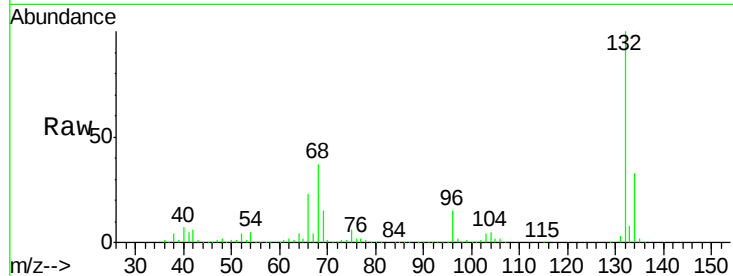
#11
bis(2-Chloroethyl)ether
Concen: 0.121 ng
RT: 7.40 min Scan# 928
Delta R.T. 0.03 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
93	100		
63	612.0	59.2	99.2#
95	355.1	12.8	52.8#

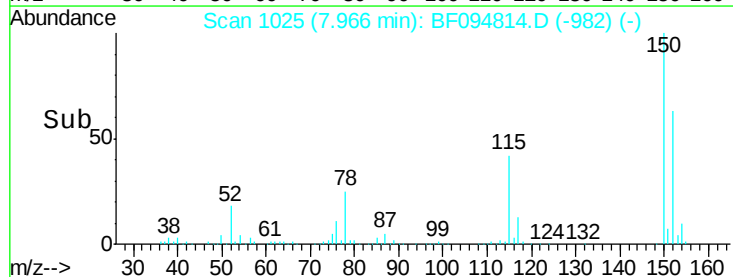
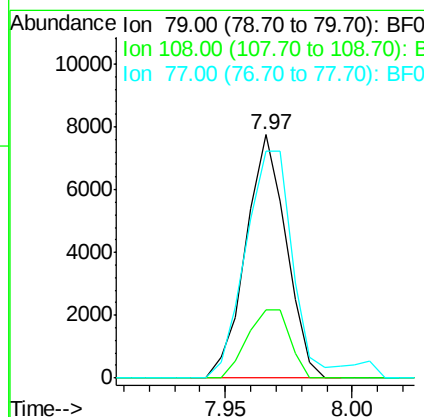
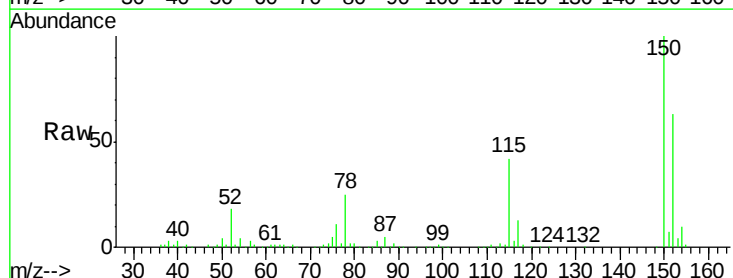
Manual Integrations
APPROVED

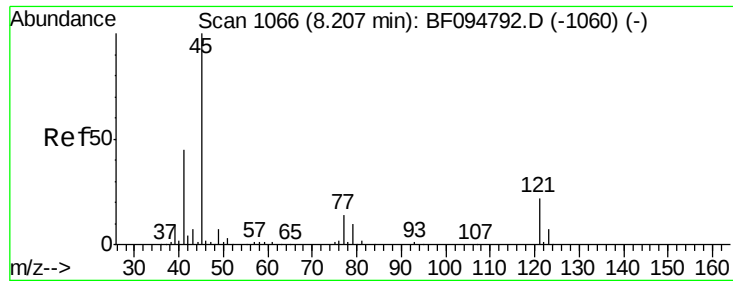
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#15
Benzyl Alcohol
Concen: 1.975 ng
RT: 7.97 min Scan# 1025
Delta R.T. -0.05 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Lower	Upper
79	100		
108	28.2	63.4	95.0#
77	93.1	49.2	73.8#





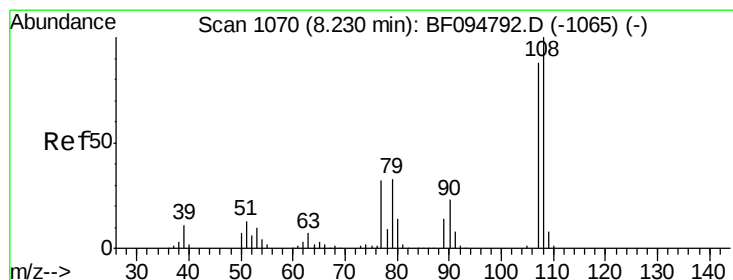
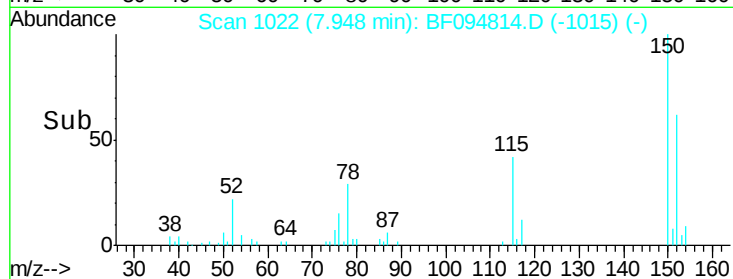
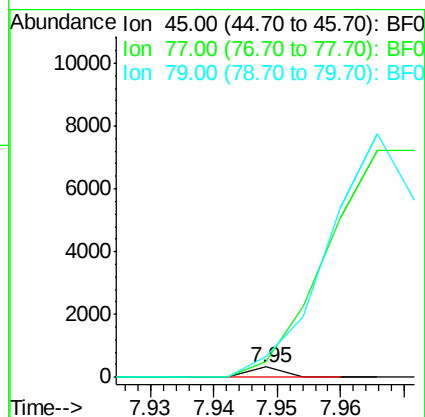
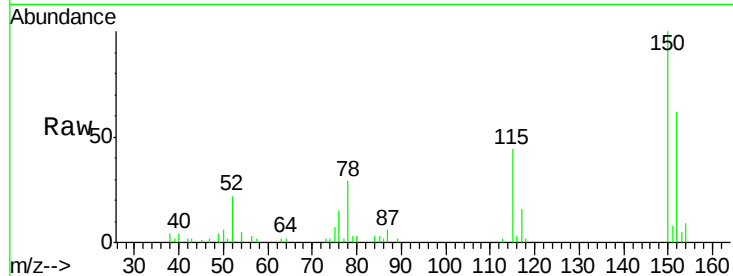
#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.014 ng
RT: 7.95 min Scan# 1022
Delta R.T. -0.26 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Lower	Upper
45	100		
77	151.7	0.0	33.2#
79	204.2	0.0	30.0#

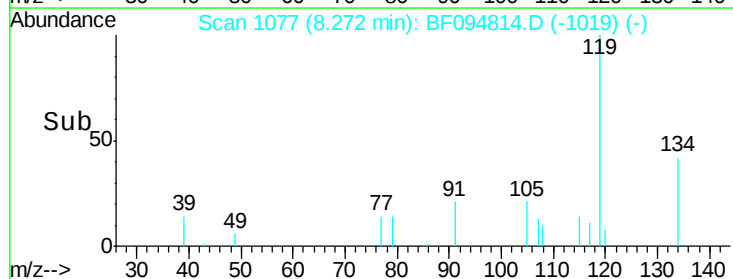
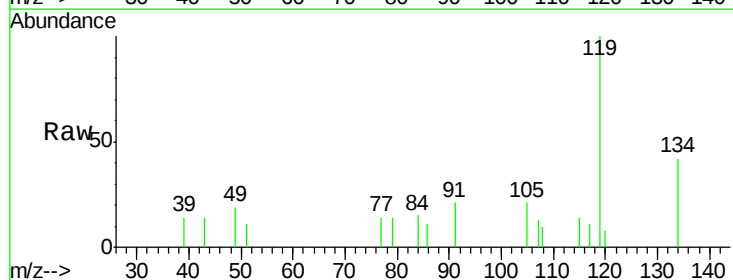
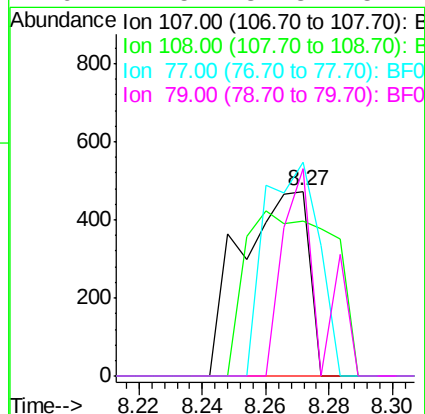
Manual Integrations
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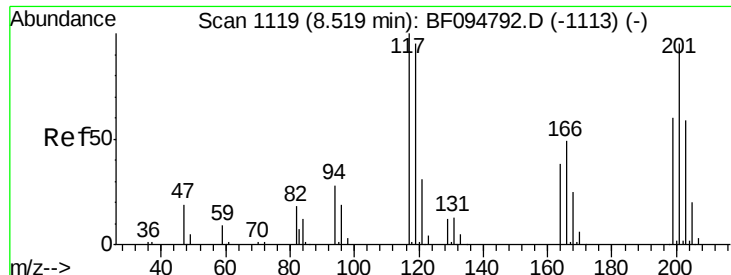
mohammad
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#17
2-Methylphenol
Concen: 0.134 ng
RT: 8.27 min Scan# 1077
Delta R.T. 0.04 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Lower	Upper
107	100		
108	83.7	93.4	140.0#
77	115.6	35.8	53.6#
79	112.5	34.8	52.2#





#18

Hexachloroethane

Concen: 0.100 ng

RT: 8.58 min Scan# 1129

Delta R.T. 0.06 min

Lab File: BF094814.D

Acq: 3 May 2017 2:16

Instrument :

BNA_F

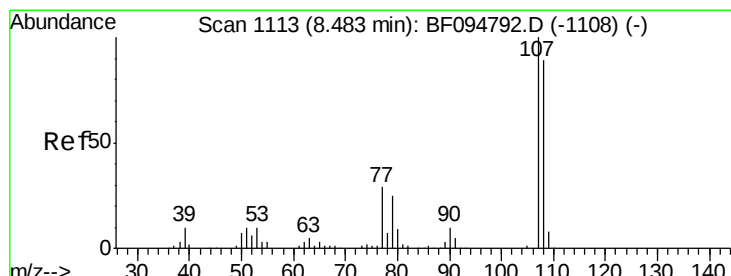
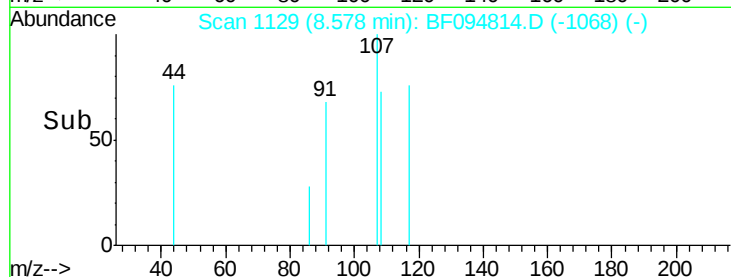
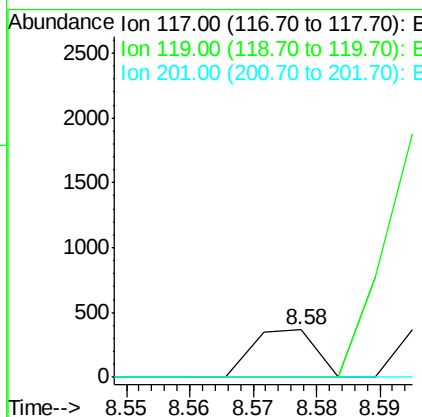
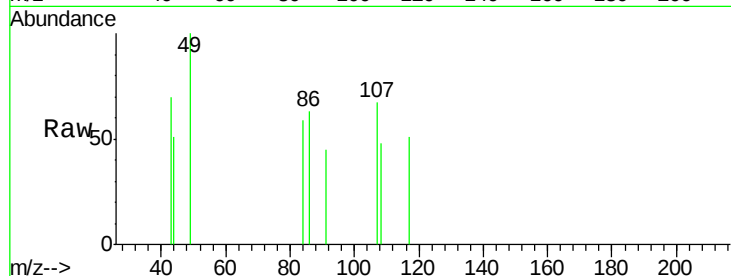
ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.4	116.0#
201	0.0	94.6	141.8#

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#20

3+4-Methylphenols

Concen: 0.622 ng

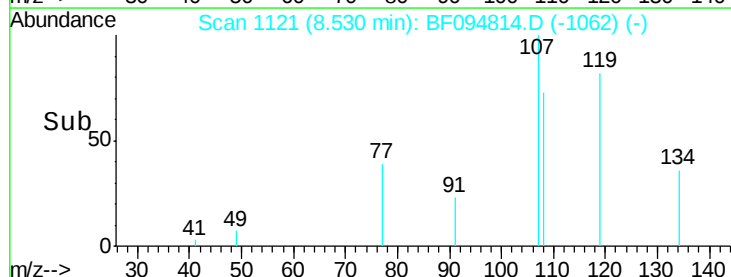
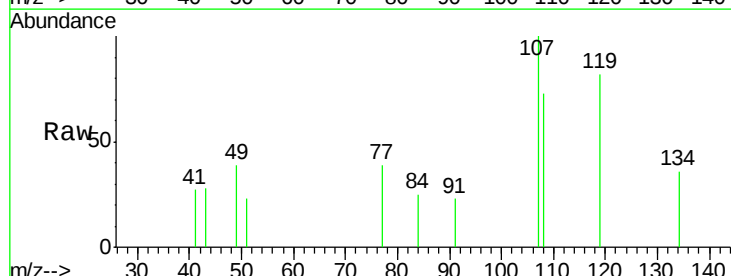
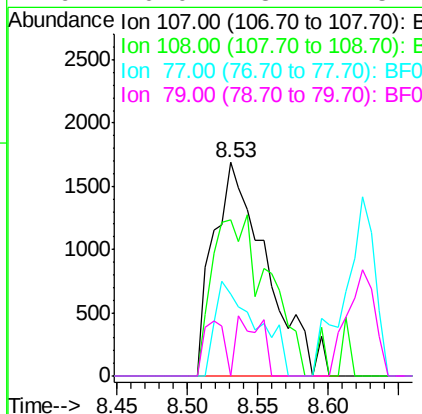
RT: 8.53 min Scan# 1121

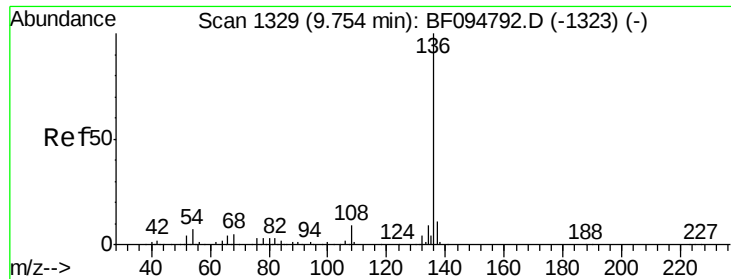
Delta R.T. 0.05 min

Lab File: BF094814.D

Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Lower	Upper
107	100		
108	72.9	71.0	111.0
77	38.6	90.5	130.5#
79	0.0	8.4	48.4#





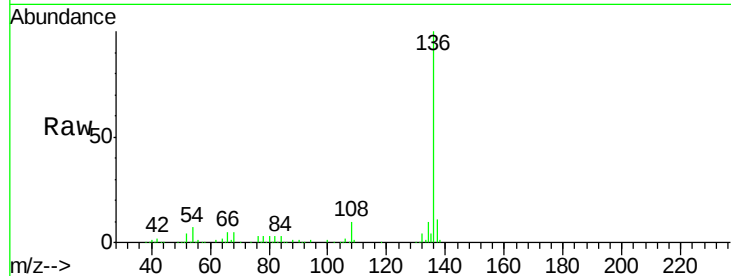
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.75 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

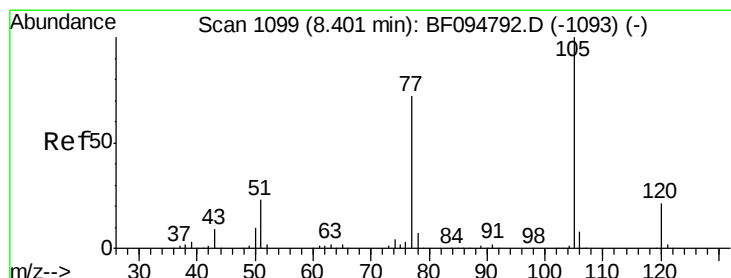
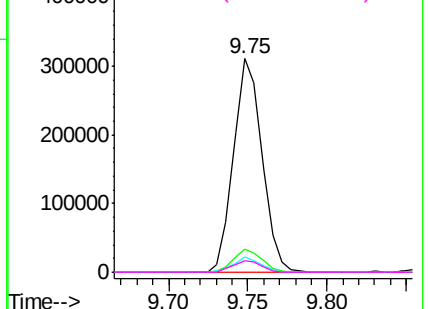
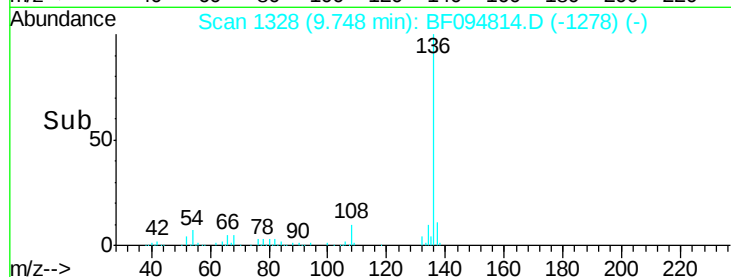
Tgt Ion	Ratio	Resp	Lower	Upper
136	100	387908		
137	10.7	8.5	12.7	
54	7.1	4.9	7.3	
68	5.2	4.1	6.1	

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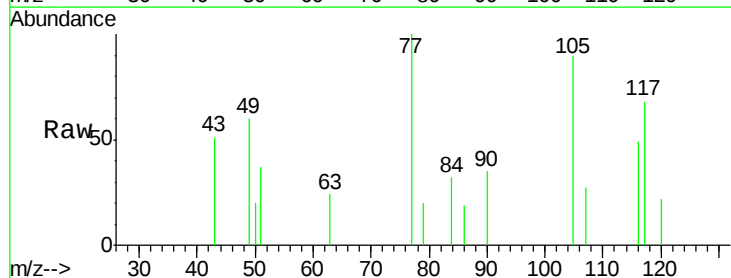


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

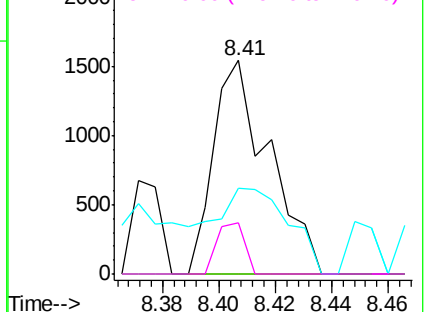
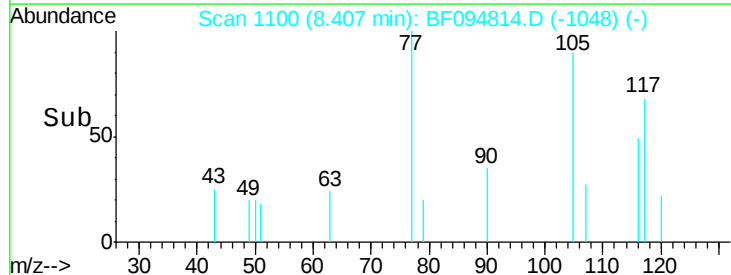


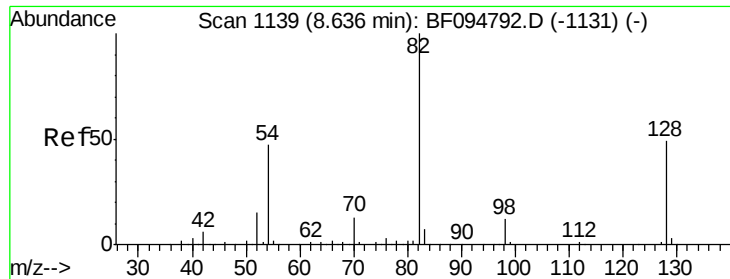
#22
Acetophenone
Concen: 0.227 ng
RT: 8.41 min Scan# 1100
Delta R.T. 0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	2111		
71	0.0	2.8	4.2#	
51	40.4	30.7	46.1	
120	24.1	17.4	26.0	



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BF0
Ion 51.00 (50.70 to 51.70): BF0
Ion 120.00 (119.70 to 120.70): E





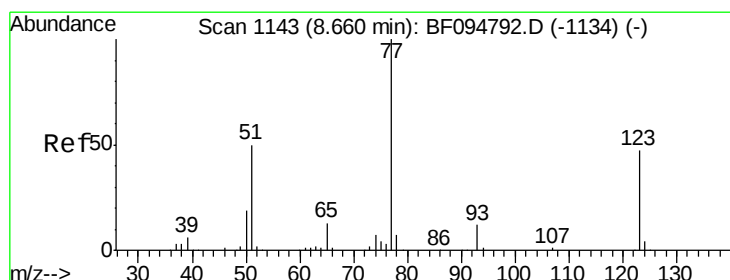
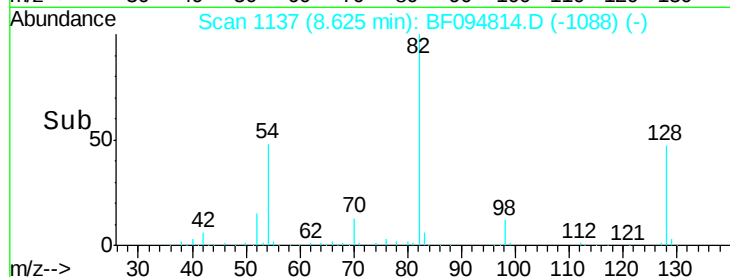
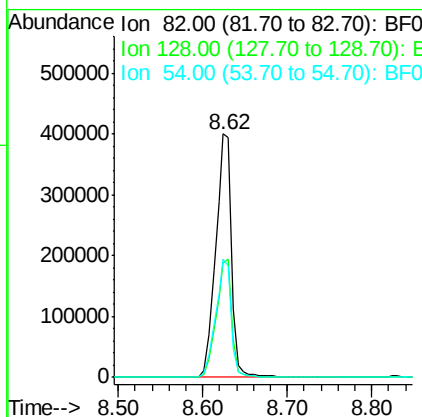
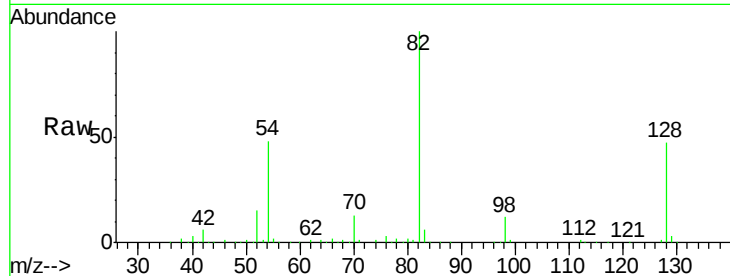
#23
 Nitrobenzene-d5
 Concen: 86.809 ng
 RT: 8.62 min Scan# 1137
 Delta R.T. -0.01 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Instrument :
 BNA_F
 ClientSampleId :
 6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion: 82 Resp: 534009
 Ion Ratio Lower Upper
 82 100
 128 46.9 34.0 51.0
 54 48.3 42.2 63.2

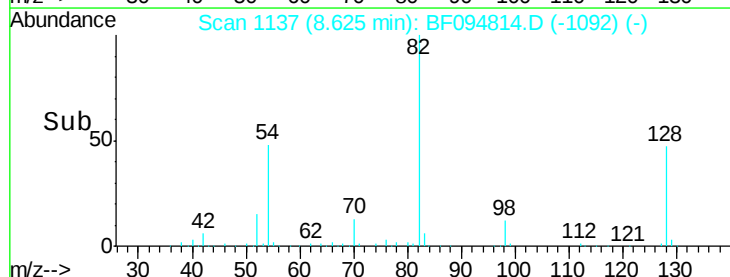
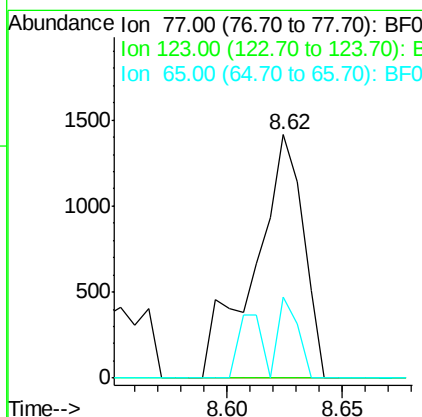
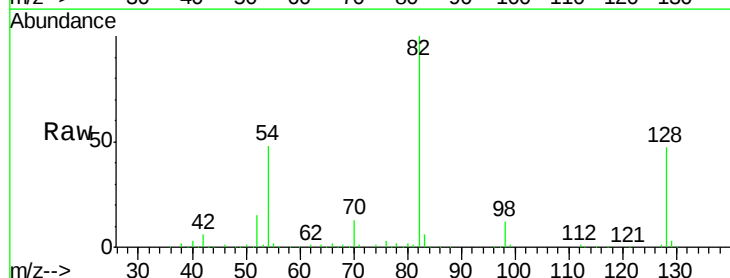
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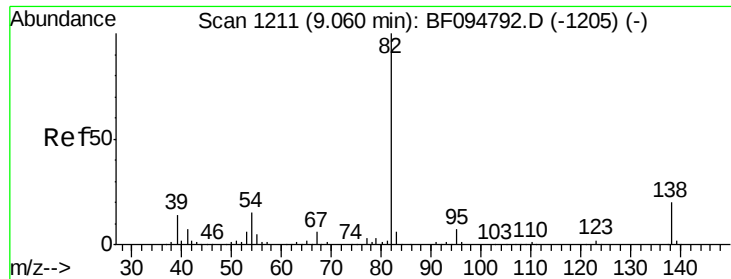
mohammad
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#24
 Nitrobenzene
 Concen: 0.323 ng
 RT: 8.62 min Scan# 1137
 Delta R.T. -0.04 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Tgt Ion: 77 Resp: 2082
 Ion Ratio Lower Upper
 77 100
 123 0.0 35.8 53.8#
 65 33.2 10.6 15.8#





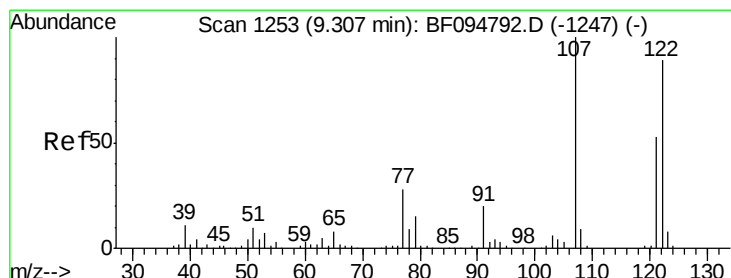
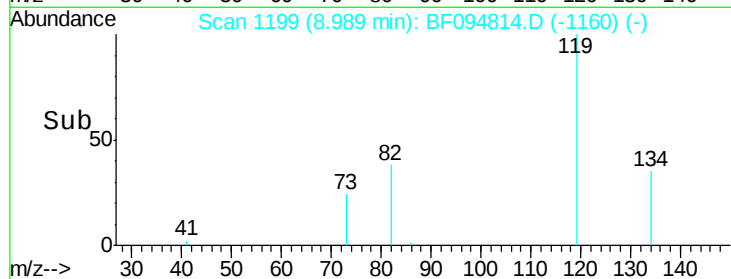
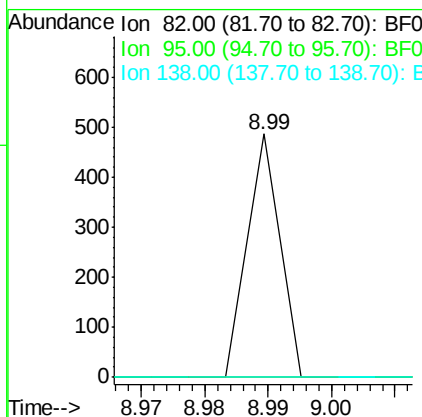
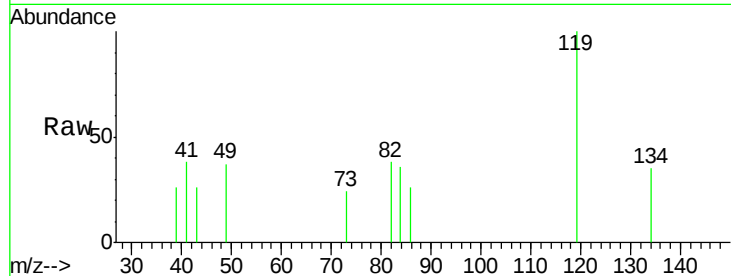
#25
Isophorone
Concen: 0.016 ng
RT: 8.99 min Scan# 1199
Delta R.T. -0.07 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion: 82 Resp: 172
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#

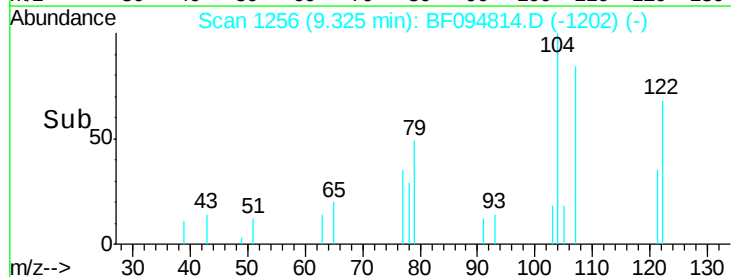
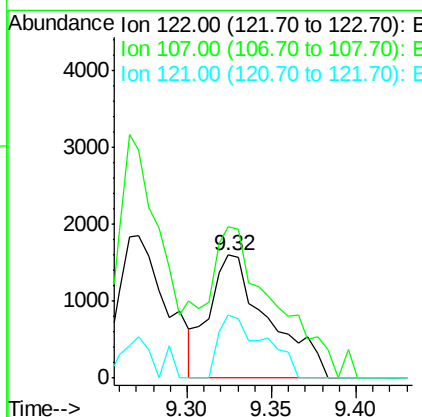
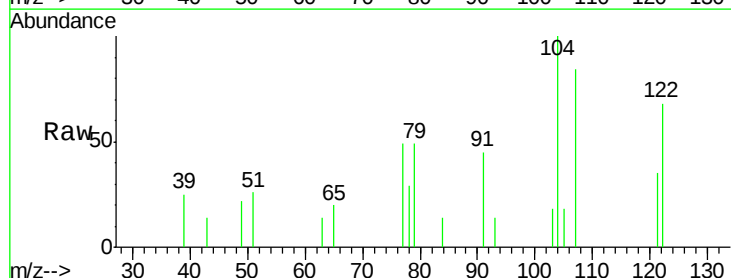
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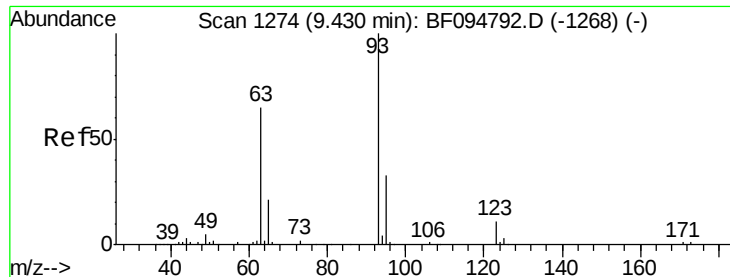
mohammad
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#27
2,4-Dimethylphenol
Concen: 0.698 ng
RT: 9.32 min Scan# 1256
Delta R.T. 0.02 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion: 122 Resp: 3929
Ion Ratio Lower Upper
122 100
107 123.5 89.2 133.8
121 51.3 45.2 67.8





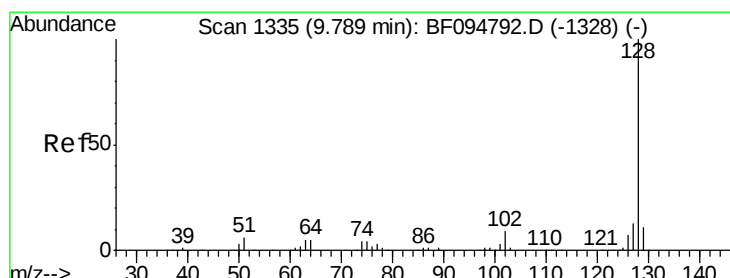
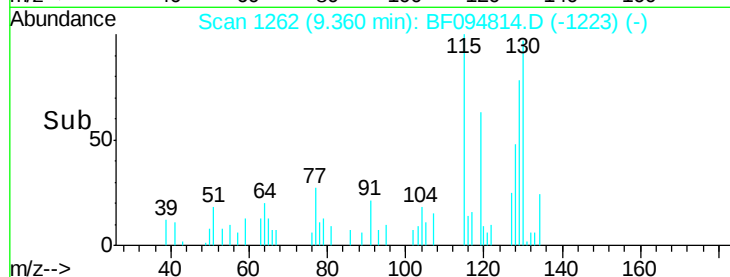
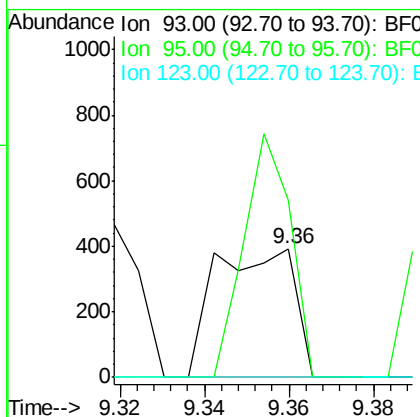
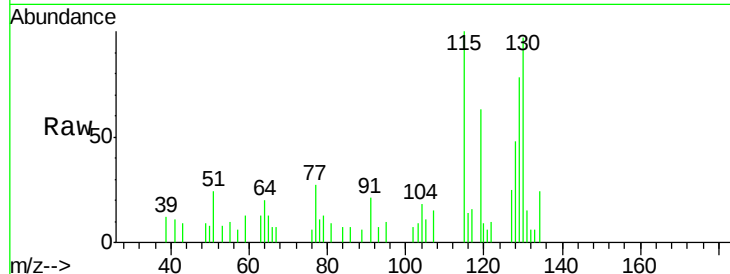
#28
bis(2-Chloroethoxy)methane
Concen: 0.067 ng
RT: 9.36 min Scan# 1262
Delta R.T. -0.07 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion: 93 Resp: 510
Ion Ratio Lower Upper
93 100
95 137.2 26.5 39.7#
123 0.0 9.0 13.4#

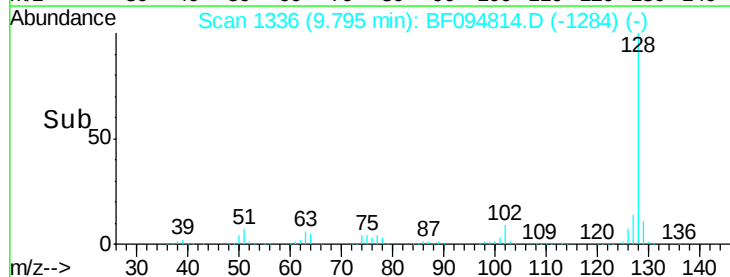
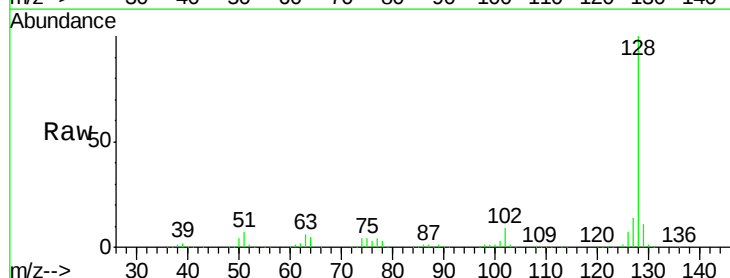
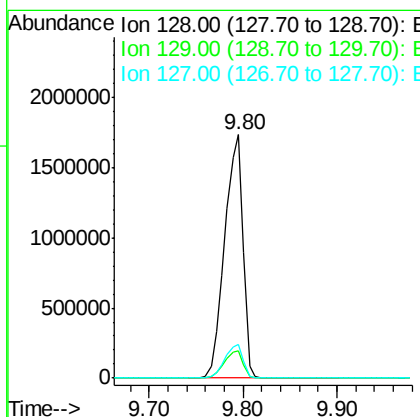
Manual Integrations
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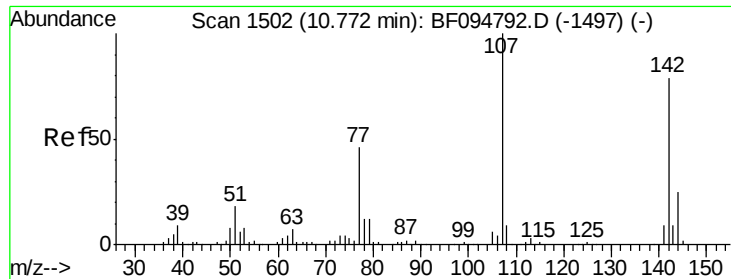
mohammad
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#31
Naphthalene
Concen: 121.695 ng
RT: 9.80 min Scan# 1336
Delta R.T. 0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion: 128 Resp: 2372583
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 14.0 10.8 16.2





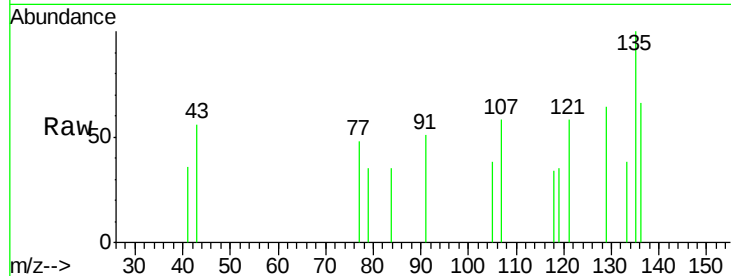
#36
 4-Chloro-3-methylphenol
 Concen: 0.167 ng
 RT: 10.65 min Scan# 1481
 Delta R.T. -0.12 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Instrument :
 BNA_F
 ClientSampleId :
 6TH-ST-SOIL-CUTTINGS(COMP)

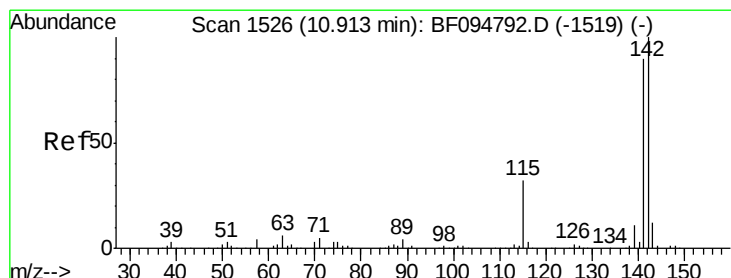
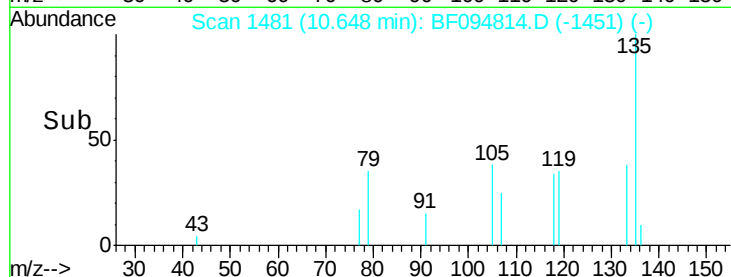
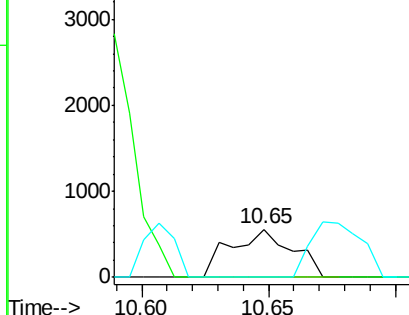
Tgt Ion	Ratio	Lower	Upper
107	100		
144	0.0	24.2	36.4#
142	0.0	73.4	110.0#

Manual Integrations
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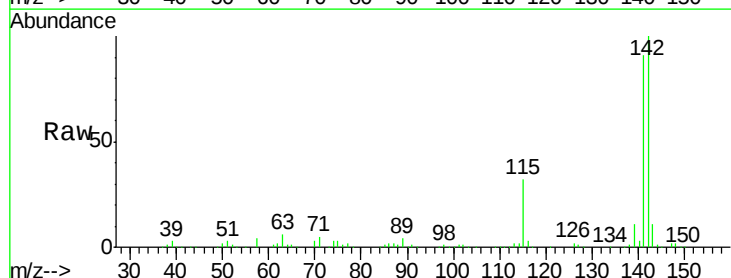


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

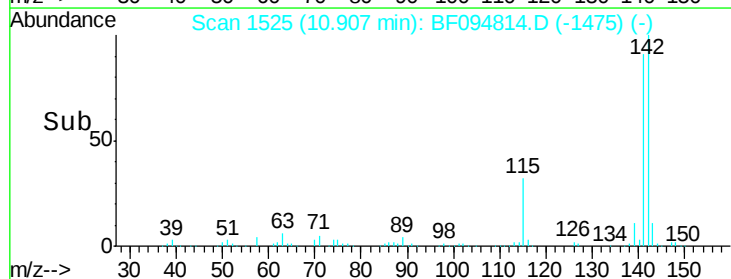
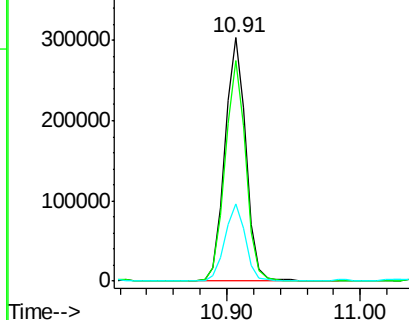


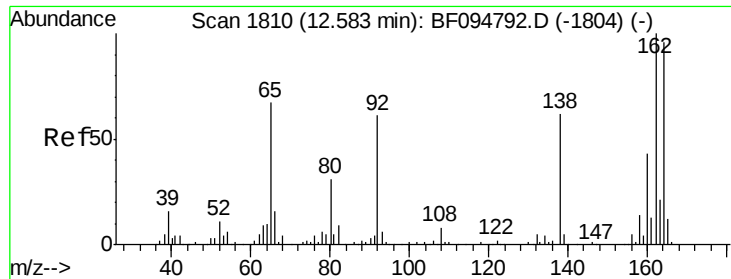
#37
 2-Methylnaphthalene
 Concen: 26.326 ng
 RT: 10.91 min Scan# 1525
 Delta R.T. -0.01 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.3	106.9
115	31.8	27.1	40.7



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E





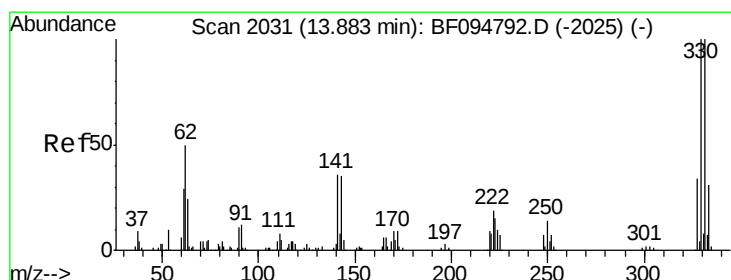
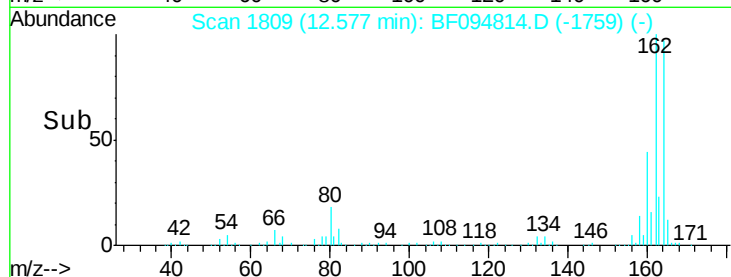
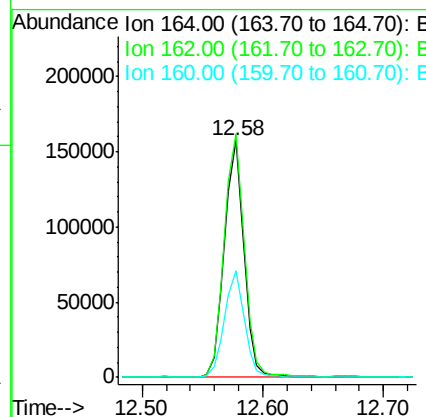
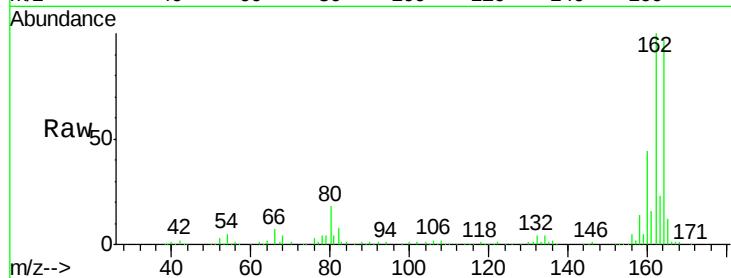
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.58 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	176923		
162	102.9	82.6	123.8	
160	45.1	36.2	54.2	

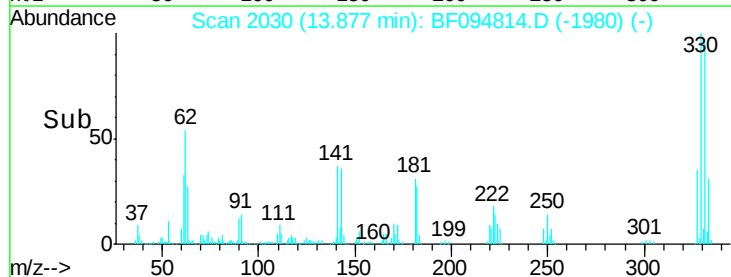
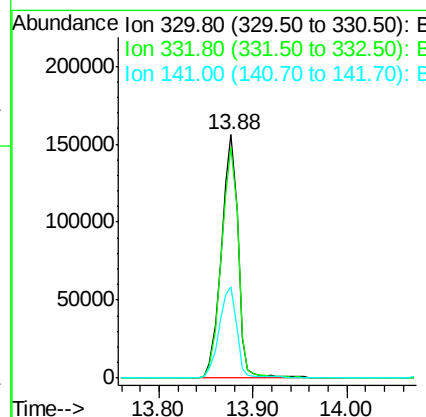
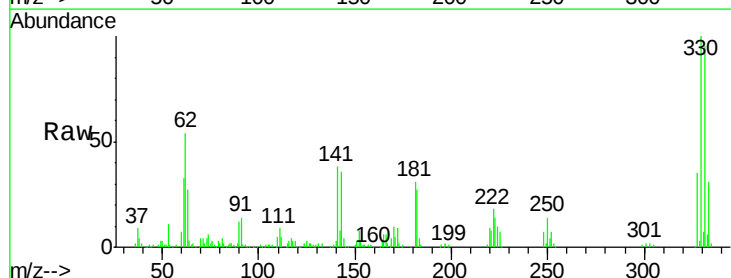
Manual Integrations
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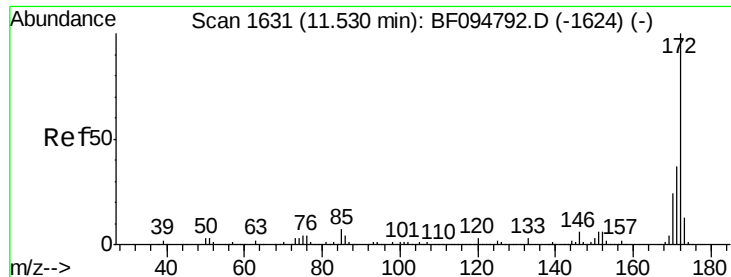
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#41
2,4,6-Tribromophenol
Concen: 135.032 ng
RT: 13.88 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	195654		
332	95.4	76.6	115.0	
141	40.9	31.4	47.2	





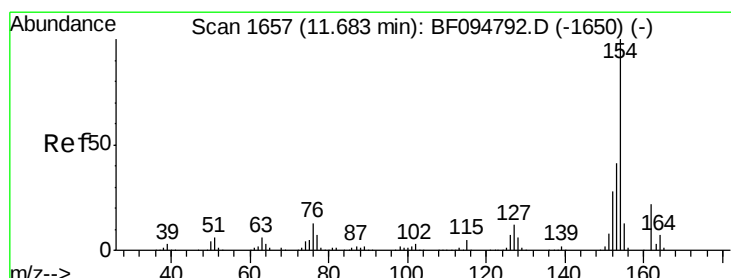
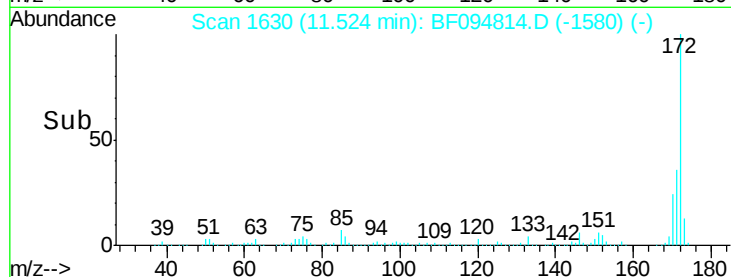
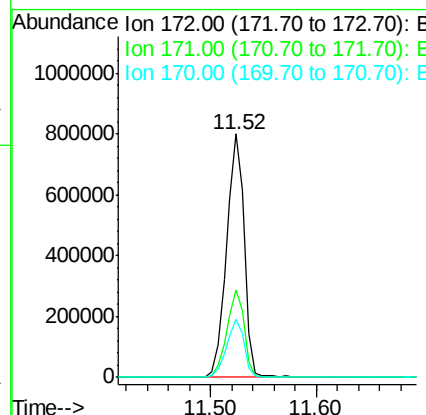
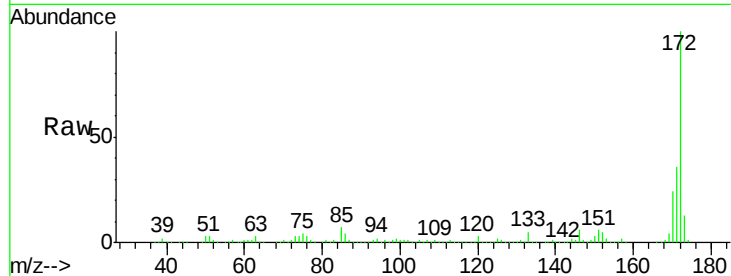
#44
 2-Fluorobiphenyl
 Concen: 75.863 ng
 RT: 11.52 min Scan# 1630
 Delta R.T. -0.01 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Instrument :
 BNA_F
 ClientSampleId :
 6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	932504		
171	35.7	29.6	44.4	
170	23.8	19.8	29.8	

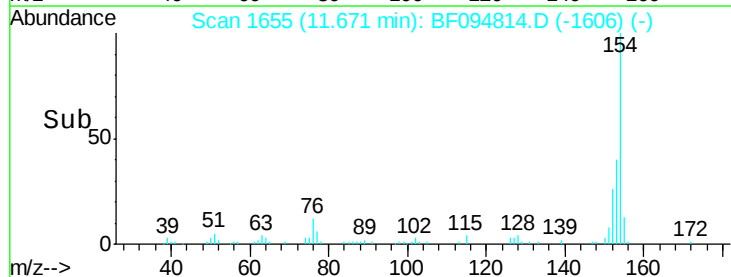
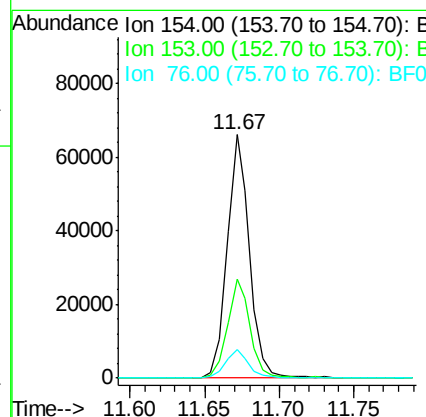
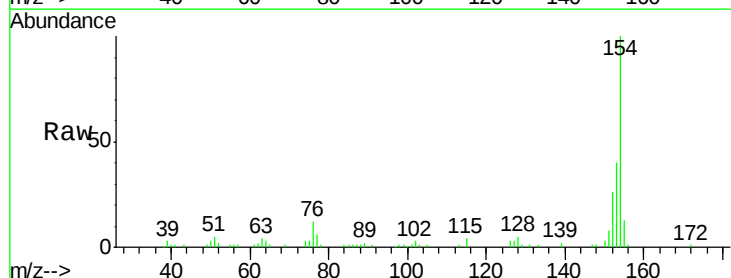
Manual Integrations
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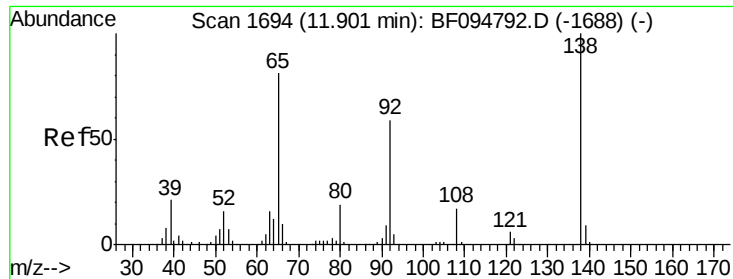
mohammad
 5/4/2017 1:44:38 PM



#45
 1,1'-Biphenyl
 Concen: 4.662 ng
 RT: 11.67 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	69438		
153	40.4	21.2	61.2	
76	11.8	0.0	29.9	





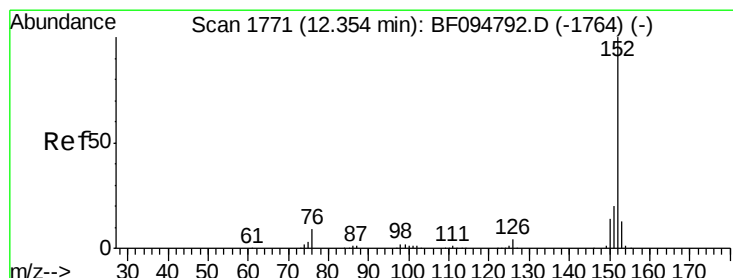
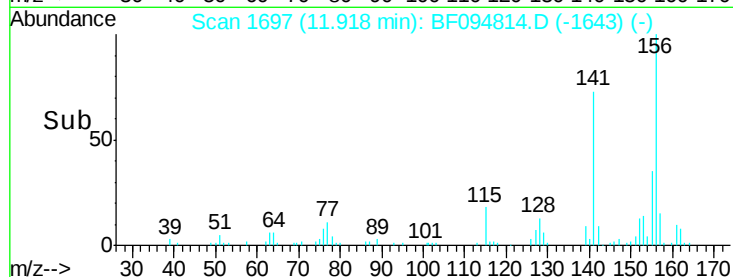
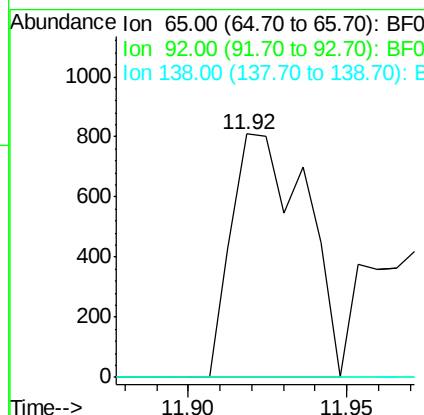
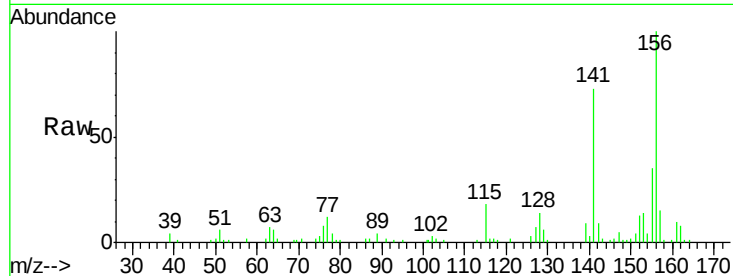
#47
2-Nitroaniline
Concen: 0.400 ng
RT: 11.92 min Scan# 1697
Delta R.T. 0.02 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Lower	Upper
65	100		
92	0.0	53.9	80.9#
138	0.0	78.8	118.2#

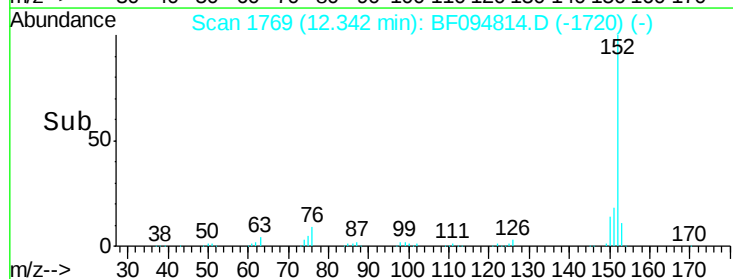
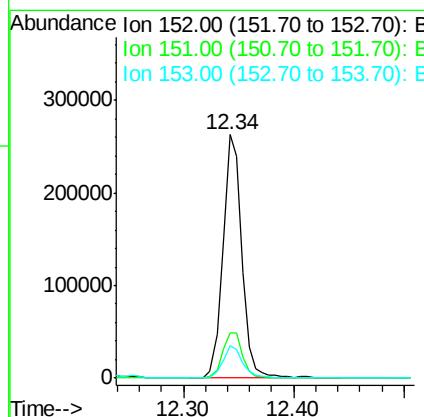
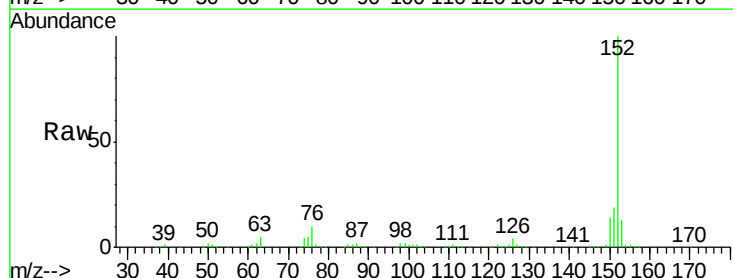
Manual Integrations
APPROVED

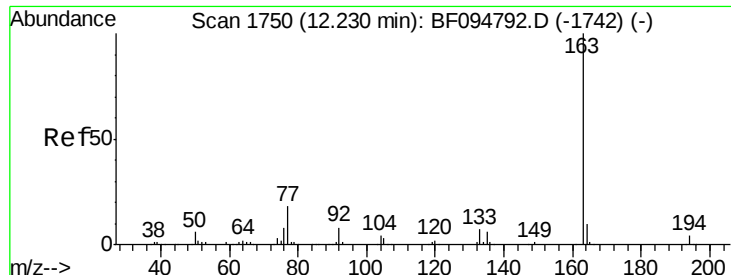
mohammad
5/4/2017 1:44:38 PM



#48
Acenaphthylene
Concen: 16.710 ng
RT: 12.34 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.7	16.8	25.2
153	13.4	10.8	16.2





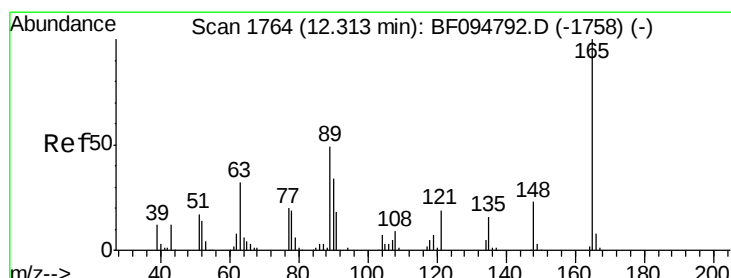
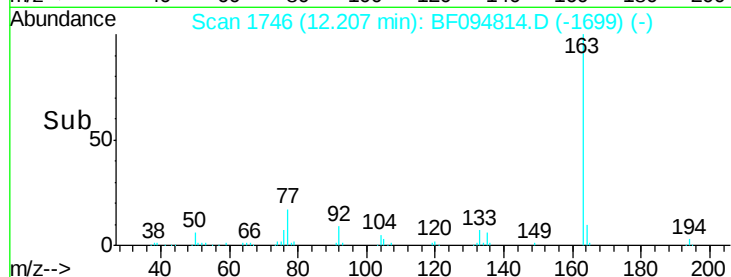
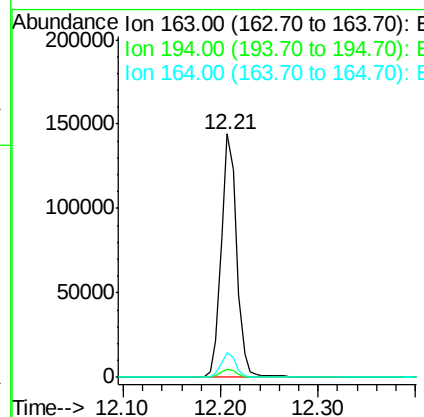
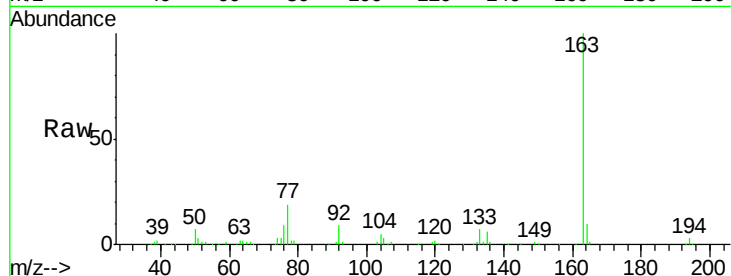
#49
Dimethylphthalate
Concen: 10.964 ng
RT: 12.21 min Scan# 1746
Delta R.T. -0.02 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.3	2.6	4.0
164	10.1	8.4	12.6

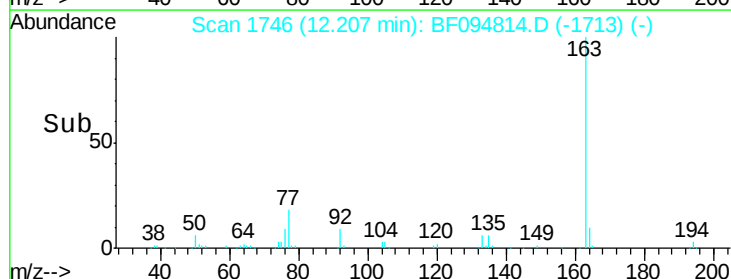
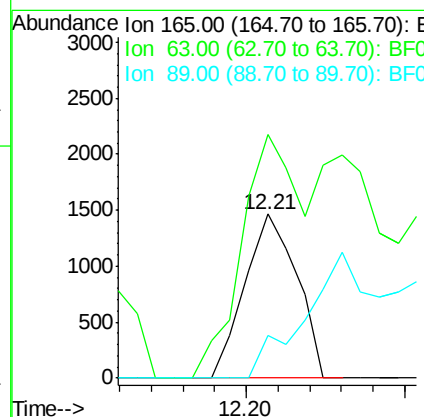
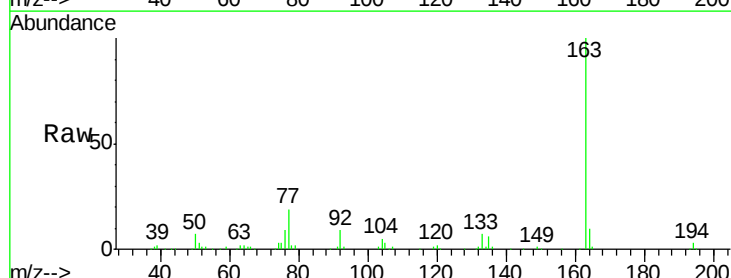
Manual Integrations
APPROVED

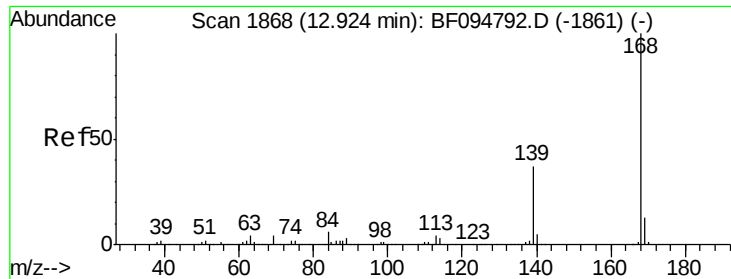
mohammad
5/4/2017 1:44:38 PM



#50
2,6-Dinitrotoluene
Concen: 0.561 ng
RT: 12.21 min Scan# 1746
Delta R.T. -0.11 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
165	100		
63	148.7	34.3	51.5#
89	25.7	37.1	55.7#





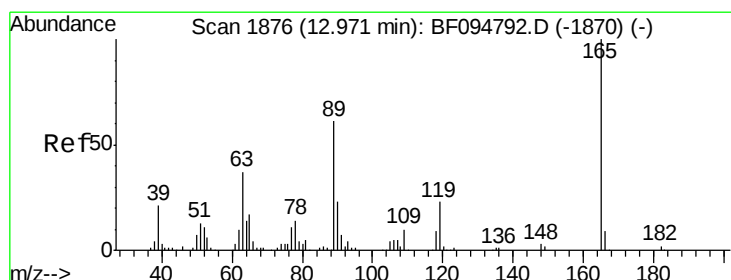
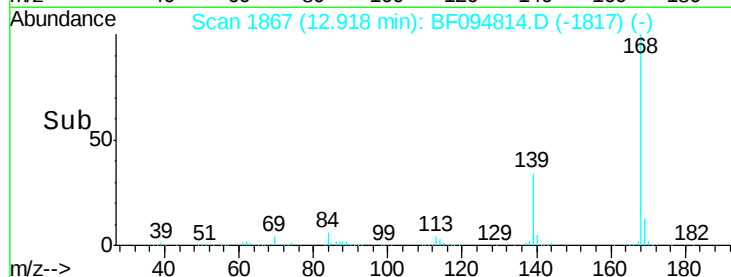
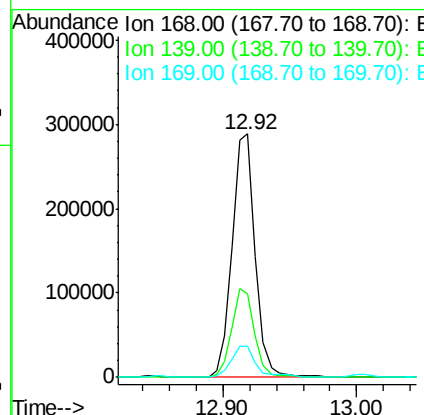
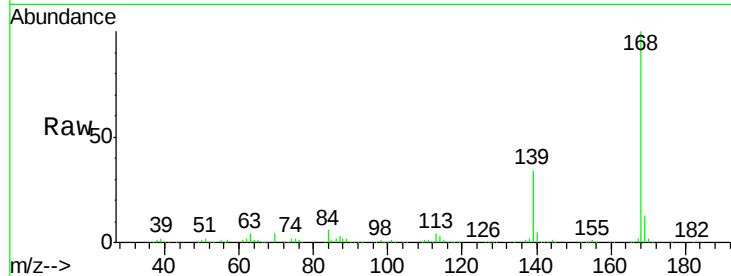
#54
Dibenzenofuran
Concen: 22.618 ng
RT: 12.92 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	352195		
139	34.2	30.6	45.8	
169	12.8	10.8	16.2	

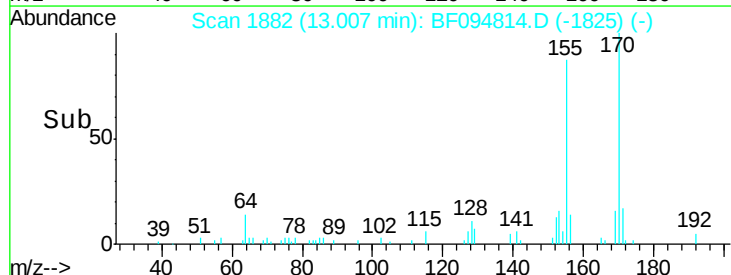
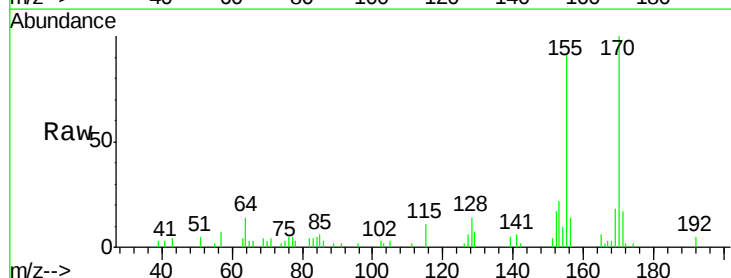
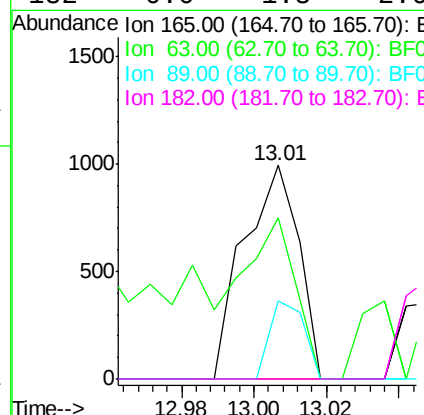
Manual Integrations
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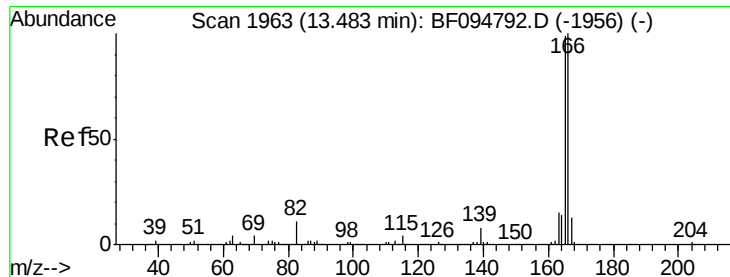
mohammad
5/4/2017 1:44:38 PM



#56
2,4-Dinitrotoluene
Concen: 0.274 ng
RT: 13.01 min Scan# 1882
Delta R.T. 0.04 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	1042		
63	75.4	25.4	38.0#	
89	36.3	46.4	69.6#	
182	0.0	1.8	2.6#	





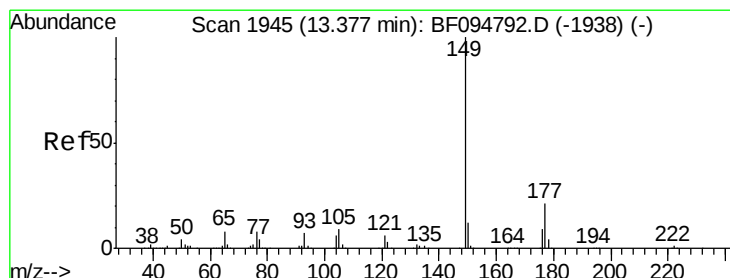
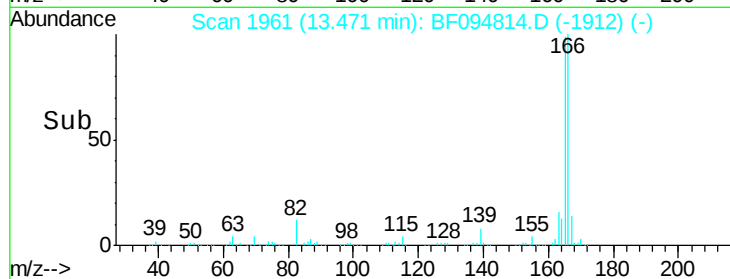
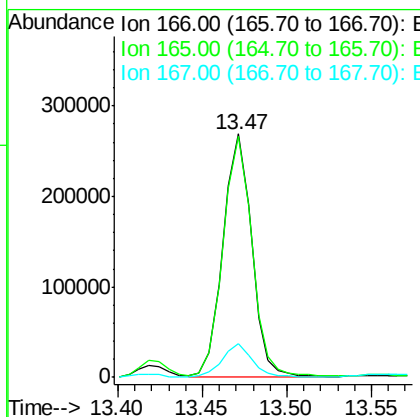
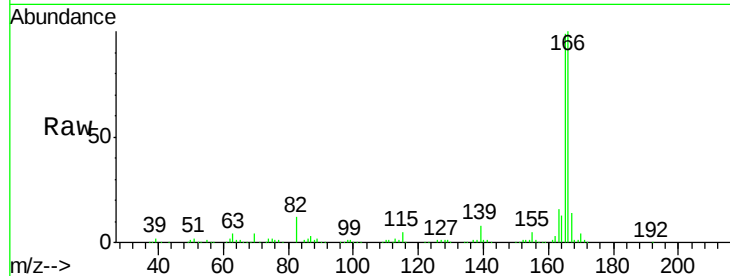
#57
Fluorene
 Concen: 23.385 ng
 RT: 13.47 min Scan# 1961
 Delta R.T. -0.01 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Instrument :
 BNA_F
 ClientSampleId :
 6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	316630		
165	99.2	78.8	118.2	
167	13.8	10.6	16.0	

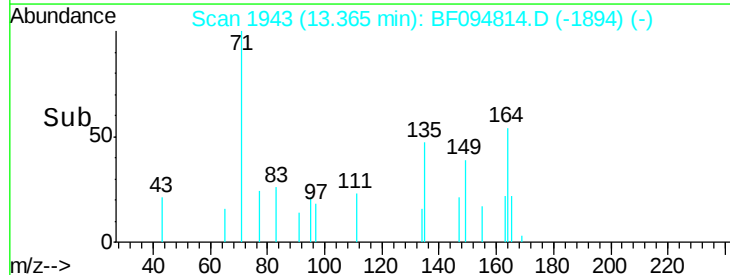
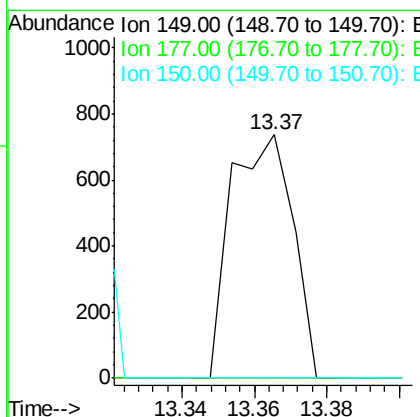
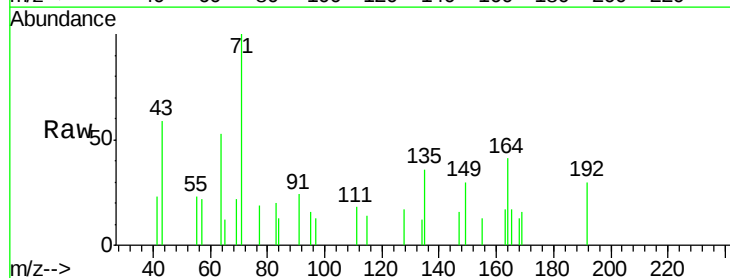
Manual Integrations
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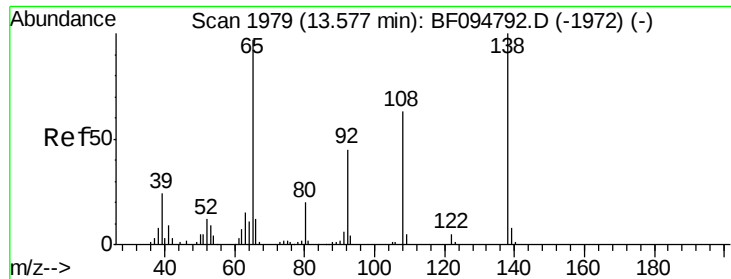
mohammad
 5/4/2017 1:44:38 PM



#59
Diethylphthalate
 Concen: 0.062 ng
 RT: 13.37 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	870		
177	0.0	16.7	25.1#	
150	0.0	10.2	15.2#	





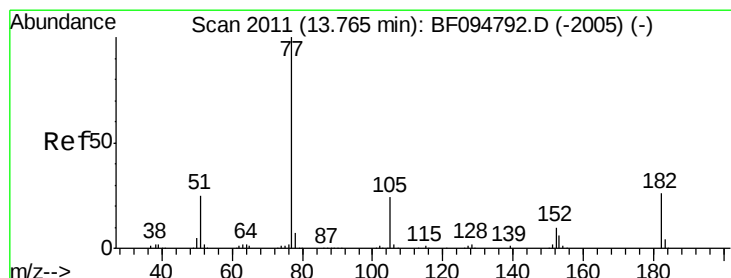
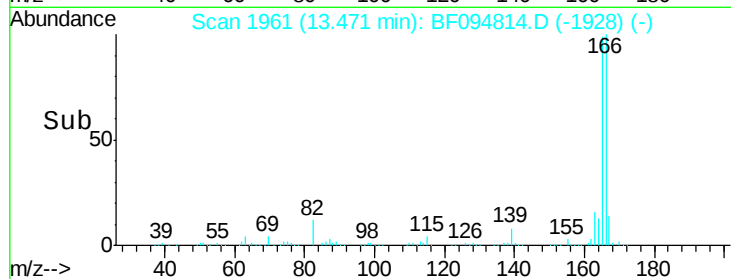
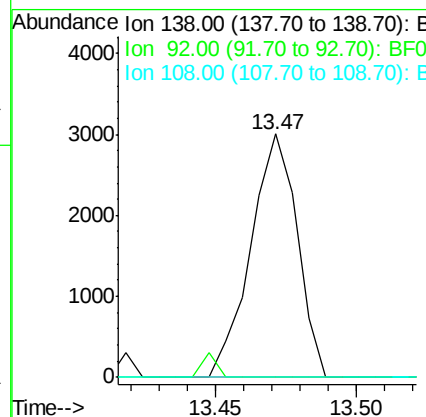
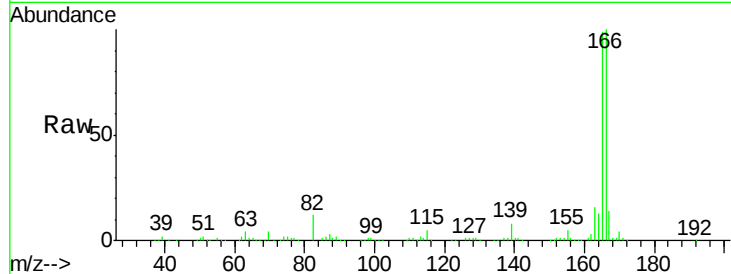
#61
4-Nitroaniline
Concen: 1.172 ng
RT: 13.47 min Scan# 1961
Delta R.T. -0.11 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	21.8	61.8#
108	0.0	42.3	82.3#

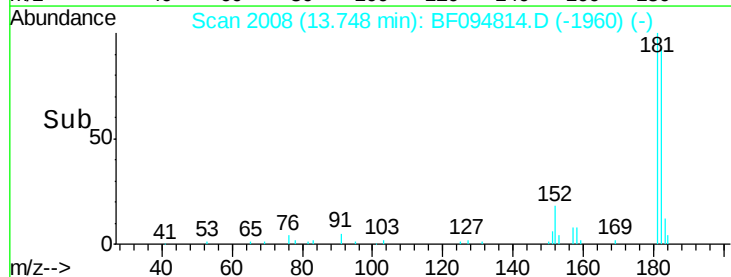
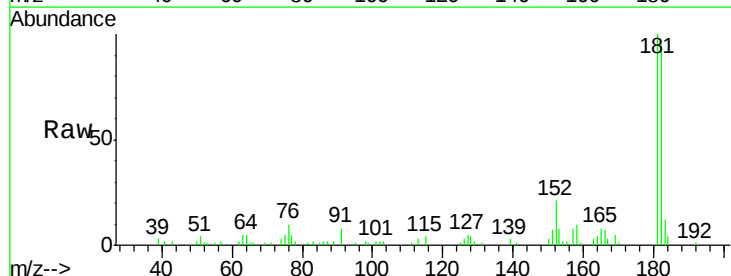
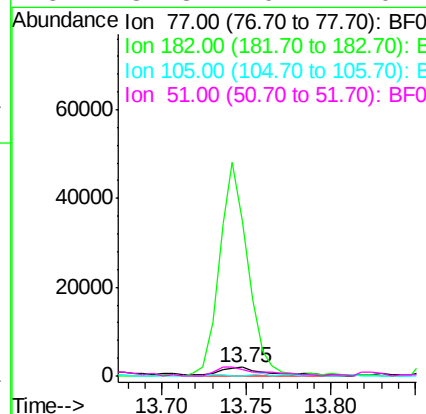
Manual Integrations
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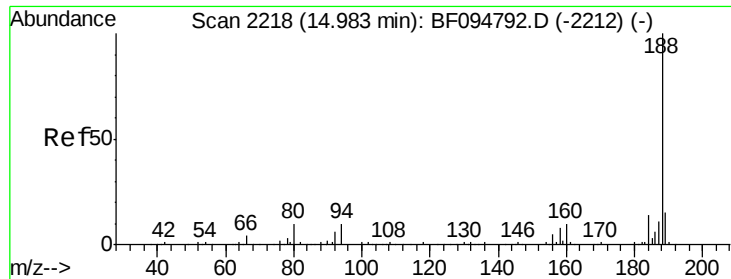
mohammad
5/4/2017 1:44:38 PM



#62
Azobenzene
Concen: 0.366 ng
RT: 13.75 min Scan# 2008
Delta R.T. -0.02 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Lower	Upper
77	100		
182	1852.3	0.1	40.1#
105	0.0	3.6	43.6#
51	82.3	9.4	49.4#





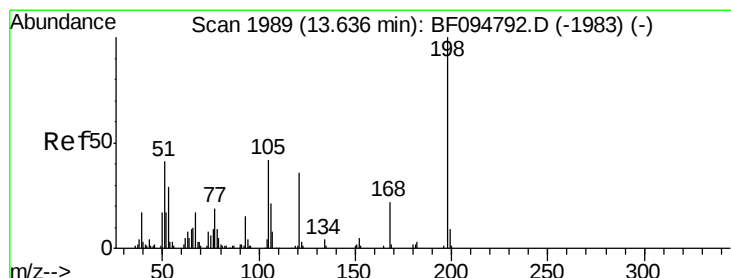
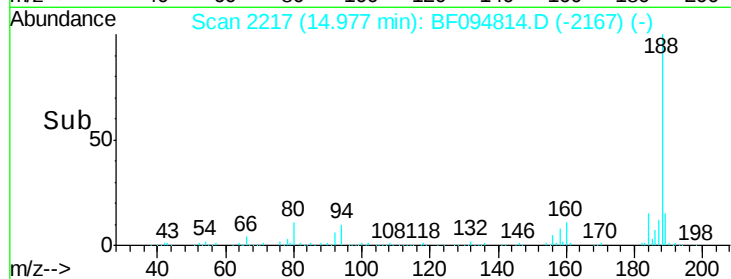
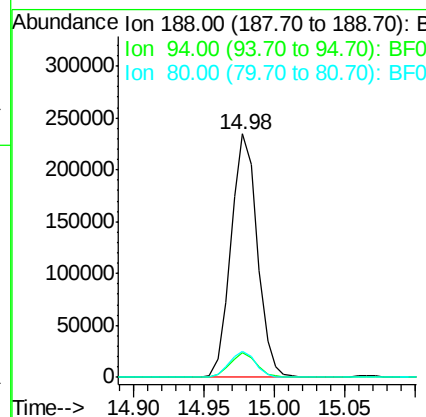
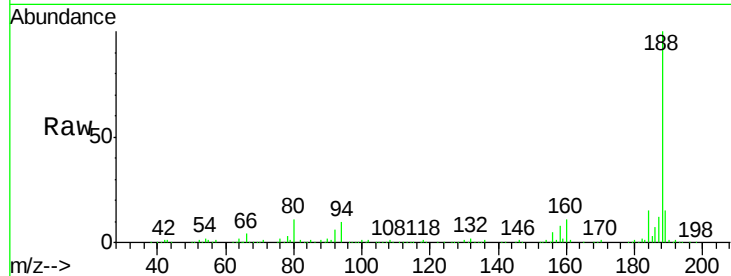
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 14.98 min Scan# 2217
 Delta R.T. -0.01 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Instrument :
 BNA_F
 ClientSampleId :
 6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.1	9.4	14.2
80	10.9	10.2	15.2

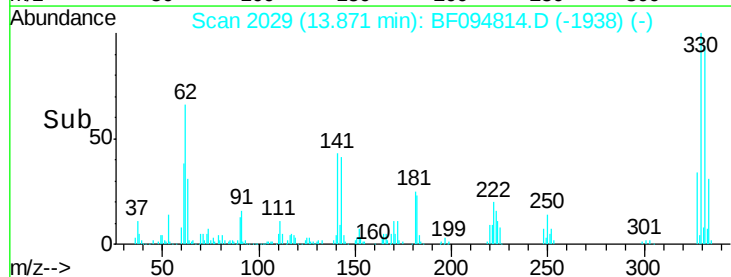
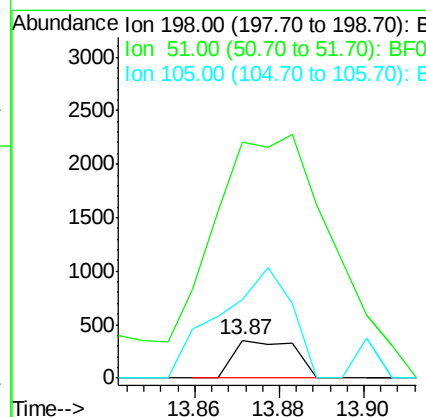
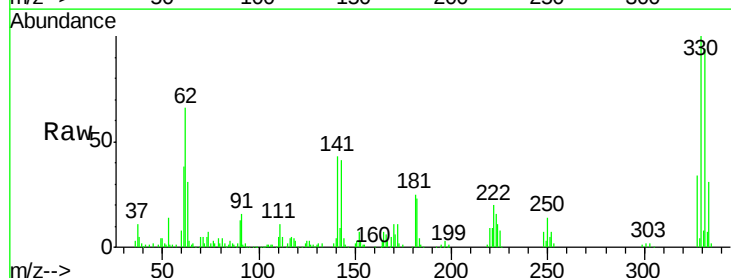
Manual Integrations
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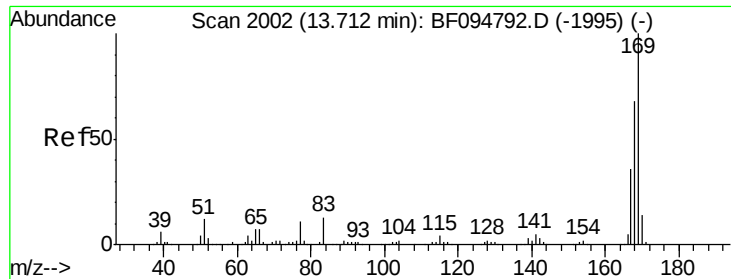
mohammad
 5/4/2017 1:44:38 PM



#64
 4,6-Dinitro-2-methylphenol
 Concen: 0.174 ng
 RT: 13.87 min Scan# 2029
 Delta R.T. 0.24 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	627.6	53.2	93.2#
105	209.7	45.8	85.8#





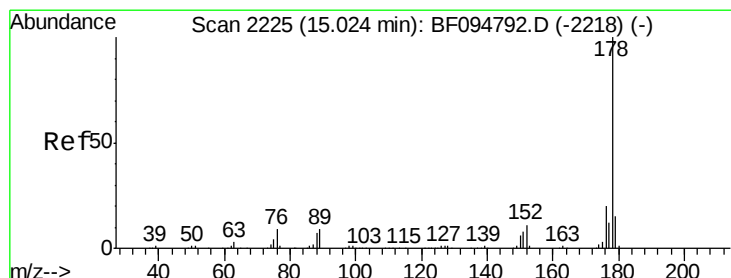
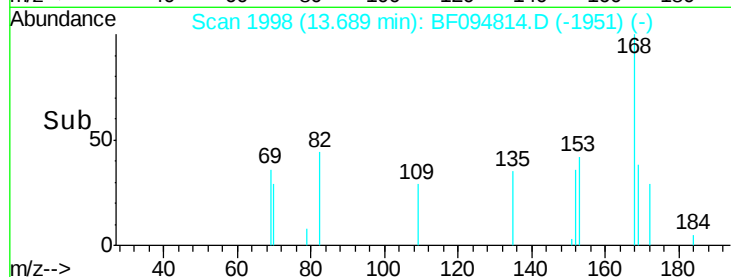
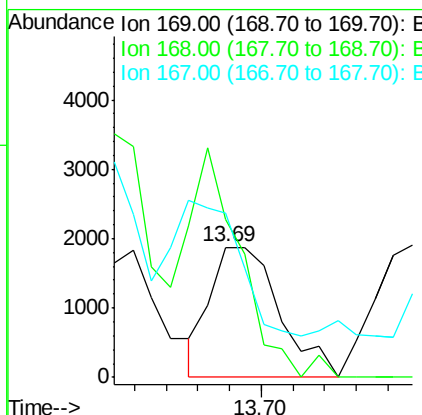
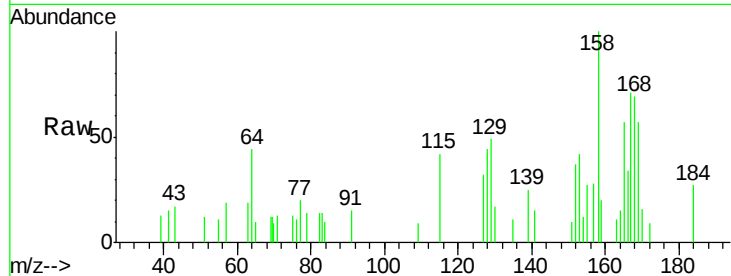
#65
n-Nitrosodiphenylamine
Concen: 0.256 ng
RT: 13.69 min Scan# 1998
Delta R.T. -0.02 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion:169 Resp: 2828
Ion Ratio Lower Upper
169 100
168 121.1 53.2 79.8#
167 125.7 29.5 44.3#

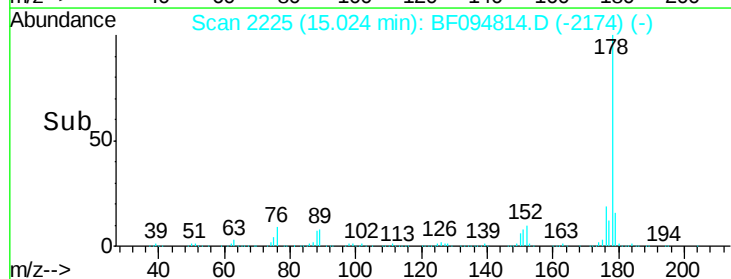
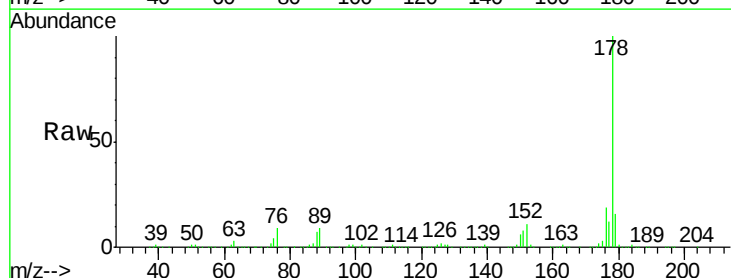
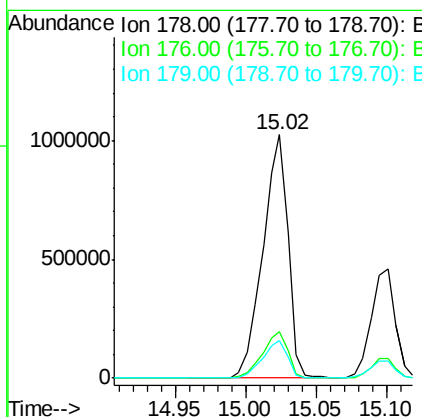
Manual Integrations
APPROVED

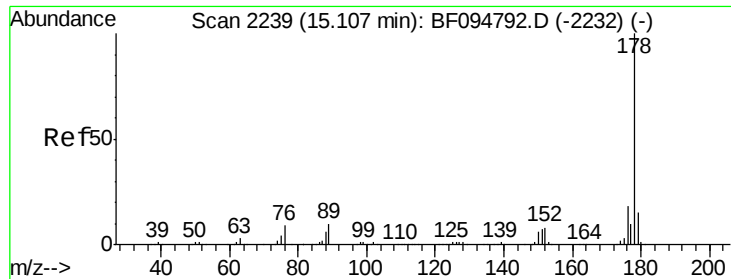
mohammad
5/4/2017 1:44:38 PM



#70
Phenanthrene
Concen: 73.578 ng
RT: 15.02 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion:178 Resp: 1284532
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.6 12.6 19.0





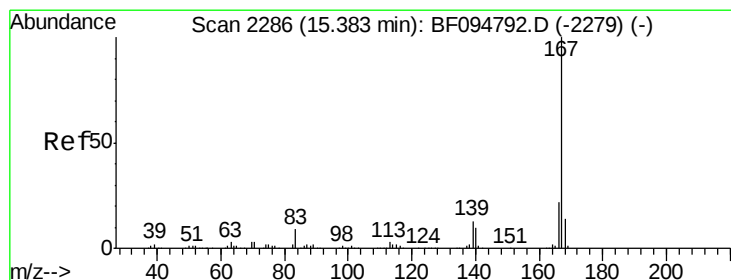
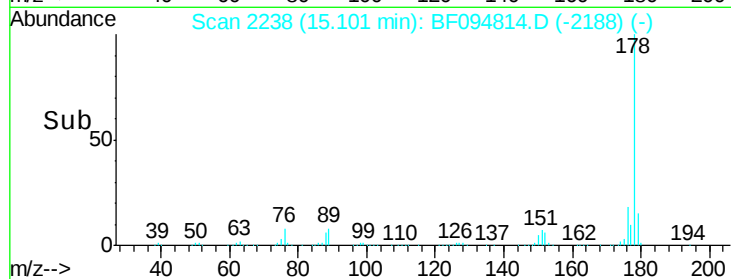
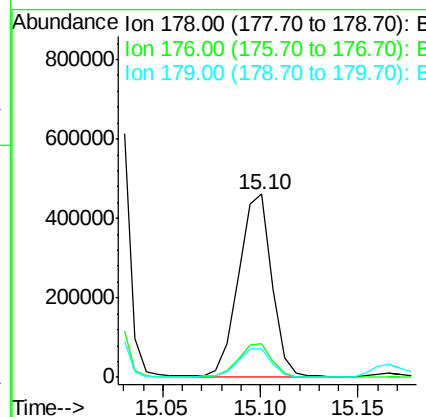
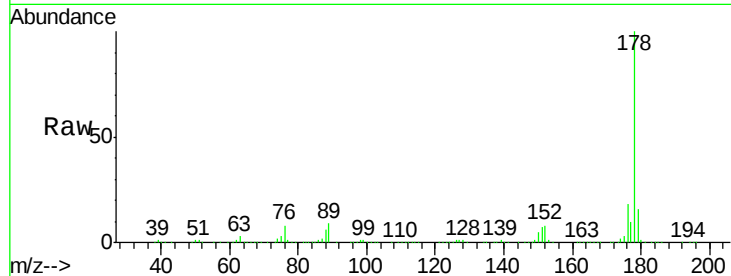
#71
 Anthracene
 Concen: 30.390 ng
 RT: 15.10 min Scan# 2238
 Delta R.T. -0.01 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Instrument :
 BNA_F
 ClientSampleId :
 6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	15.5	12.7	19.1

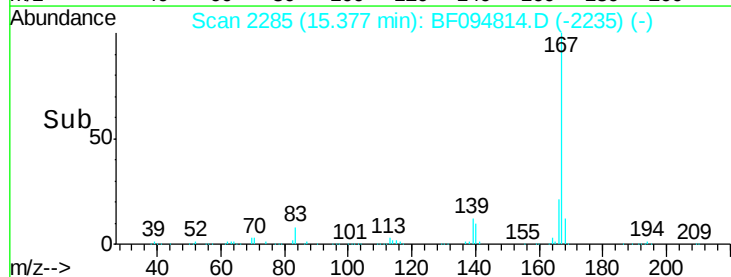
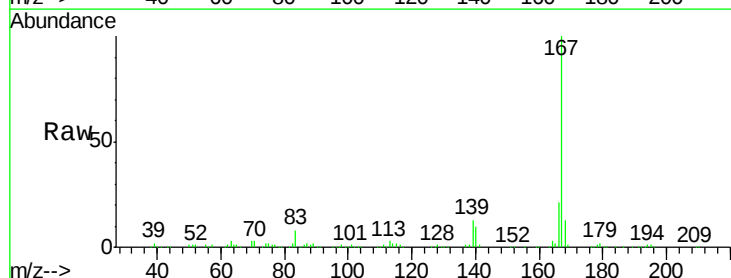
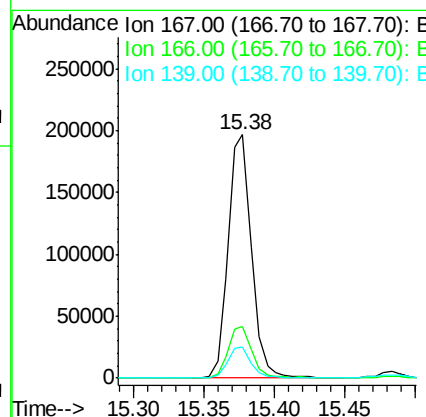
Manual Integrations
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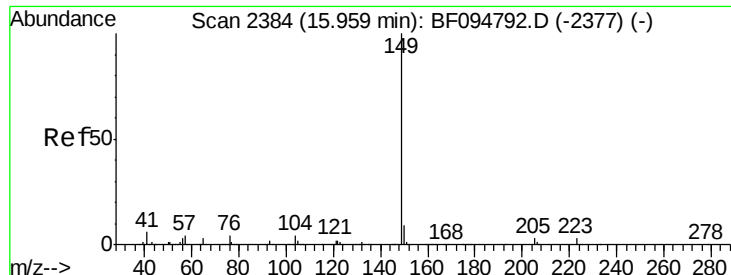
mohammad
 5/4/2017 1:44:38 PM



#72
 Carbazole
 Concen: 13.967 ng
 RT: 15.38 min Scan# 2285
 Delta R.T. -0.01 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.1	27.1
139	12.7	11.7	17.5





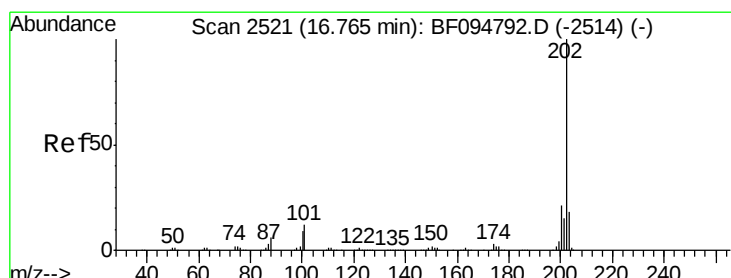
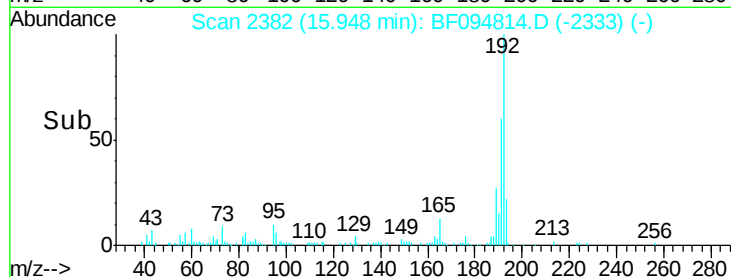
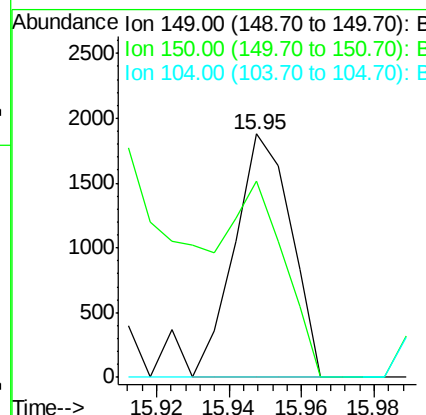
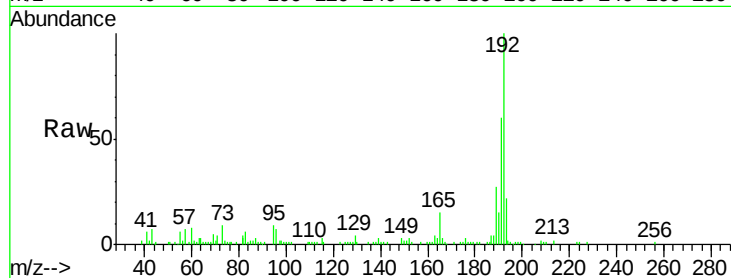
#73
Di-n-butylphthalate
Concen: 0.100 ng
RT: 15.95 min Scan# 2382
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
150	80.6	7.7	11.5#
104	0.0	4.0	6.0#

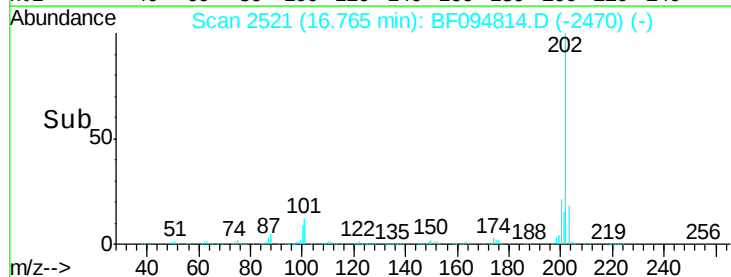
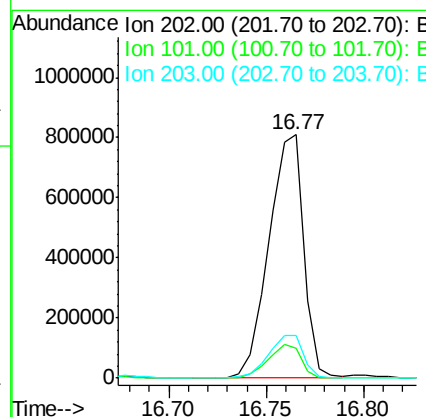
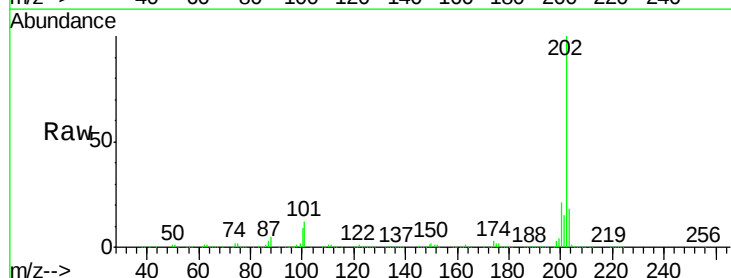
Manual Integrations
APPROVED

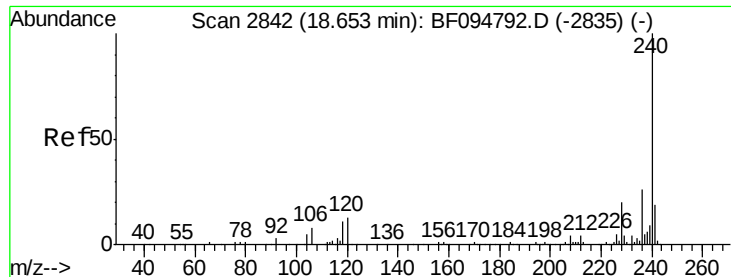
mohammad
5/4/2017 1:44:38 PM



#74
Fluoranthene
Concen: 55.647 ng
RT: 16.77 min Scan# 2521
Delta R.T. -0.00 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.2	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 18.64 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BF094814.D

Acq: 3 May 2017 2:16

Instrument :

BNA_F

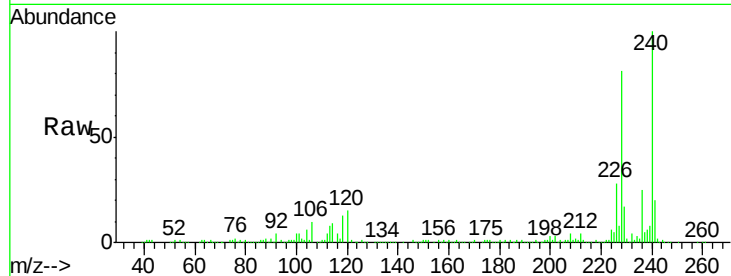
ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)

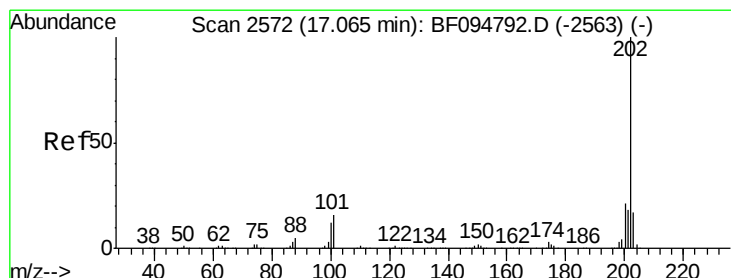
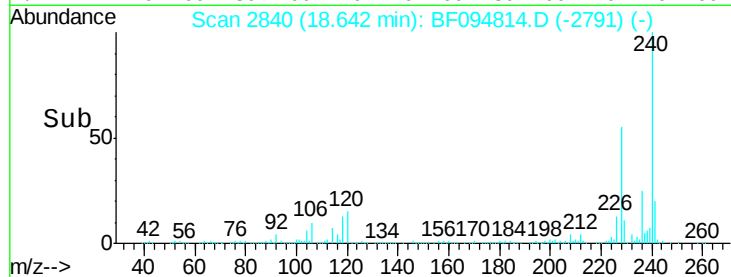
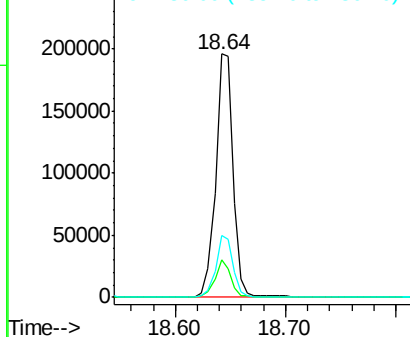
Tgt Ion:	240	Resp:	210989
Ion Ratio	Lower	Upper	
240	100		
120	15.2	5.8	8.8#
236	25.2	20.5	30.7

Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 57.355 ng

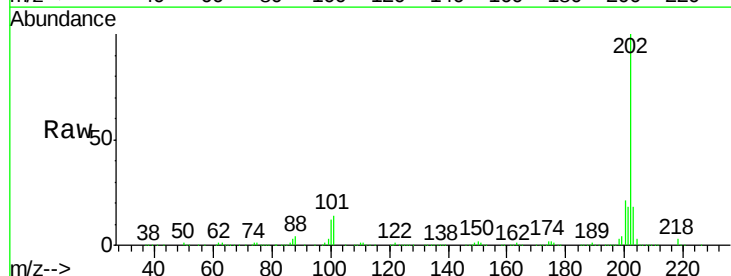
RT: 17.07 min Scan# 2572

Delta R.T. -0.00 min

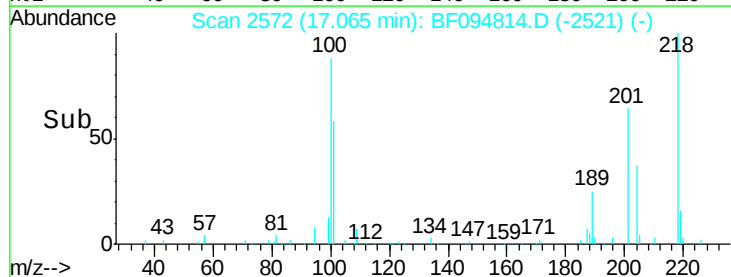
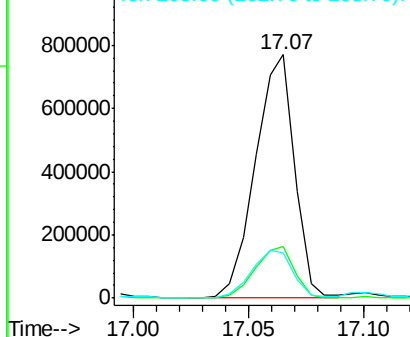
Lab File: BF094814.D

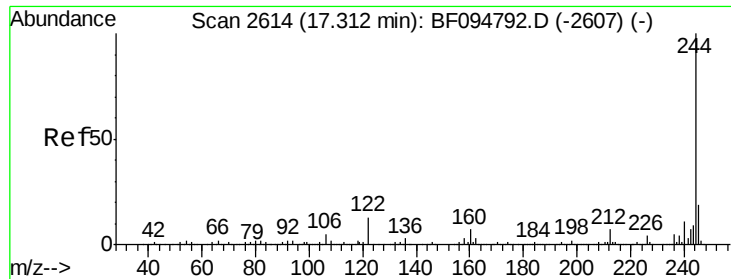
Acq: 3 May 2017 2:16

Tgt Ion:	202	Resp:	905037
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.6	26.4
203	18.4	14.4	21.6



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





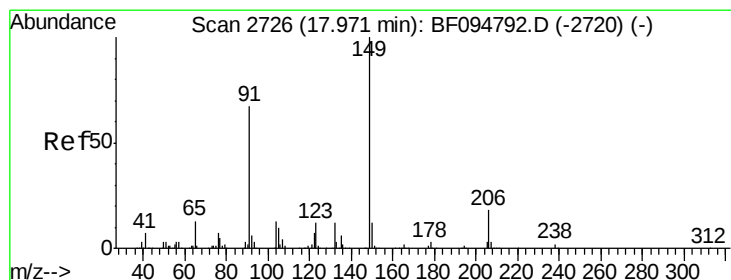
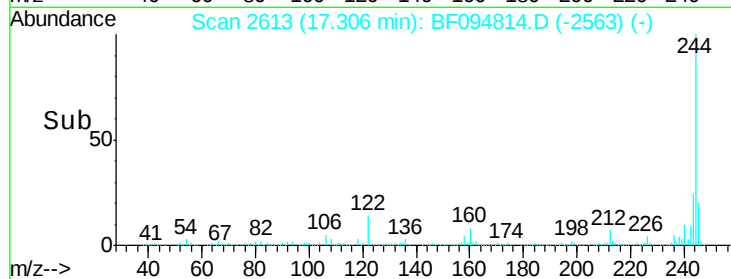
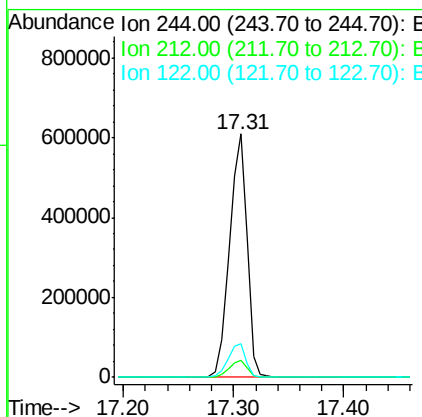
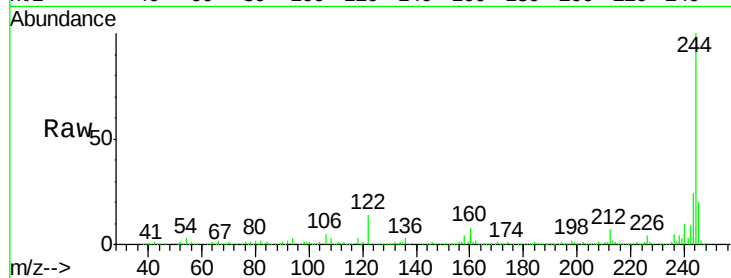
#78
 Terphenyl-d14
 Concen: 71.168 ng
 RT: 17.31 min Scan# 2613
 Delta R.T. -0.01 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Instrument :
 BNA_F
 ClientSampleId :
 6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	681740		
212	7.1	6.0	9.0	
122	13.8	10.3	15.5	

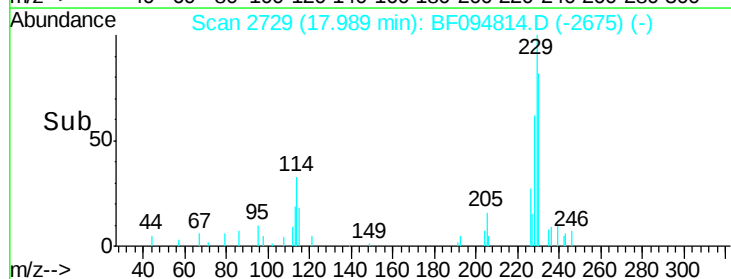
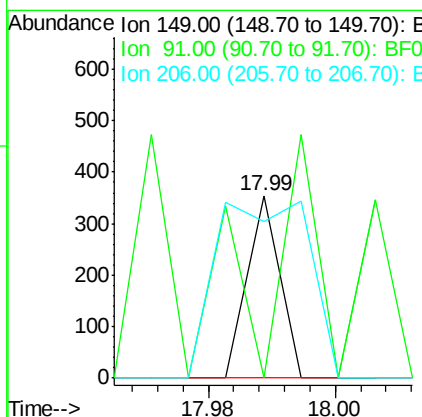
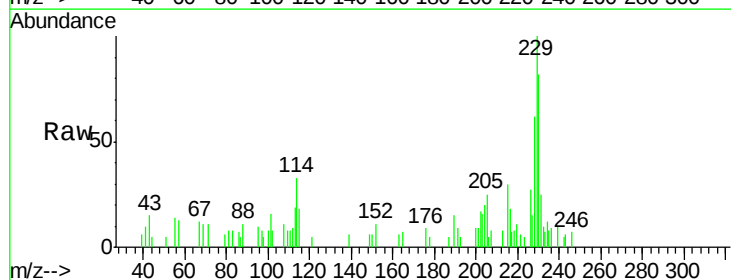
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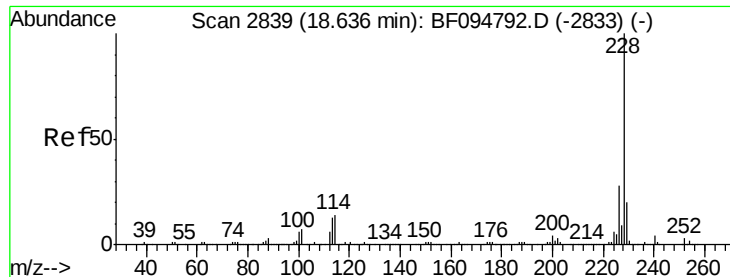
mohammad
 5/4/2017 1:44:38 PM



#79
 Butylbenzylphthalate
 Concen: 0.017 ng
 RT: 17.99 min Scan# 2729
 Delta R.T. 0.02 min
 Lab File: BF094814.D
 Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	125		
91	0.0	45.0	67.4#	
206	85.9	17.0	25.6#	





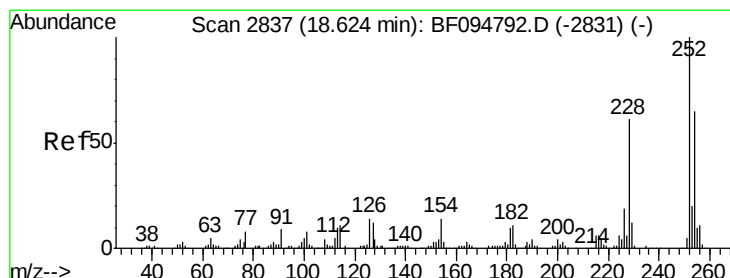
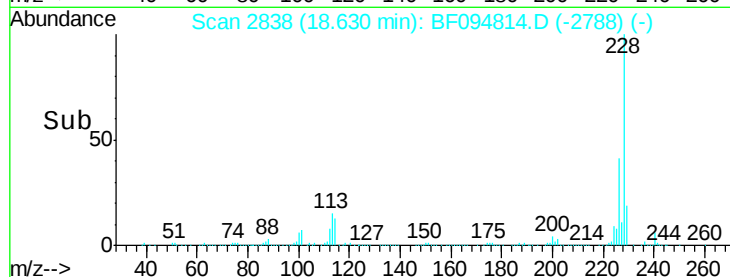
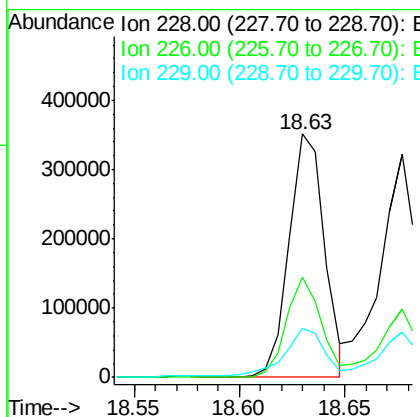
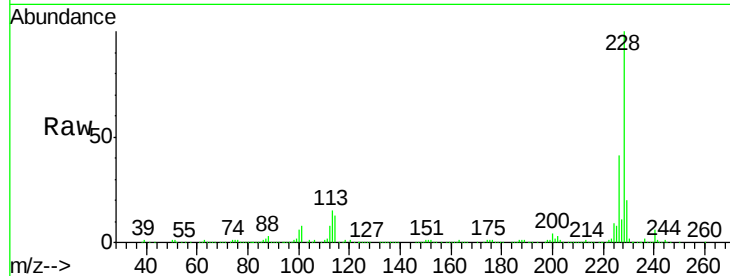
#80
Benzo(a)anthracene
Concen: 33.645 ng m
RT: 18.63 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	41.0	22.6	33.8#
229	20.3	16.3	24.5

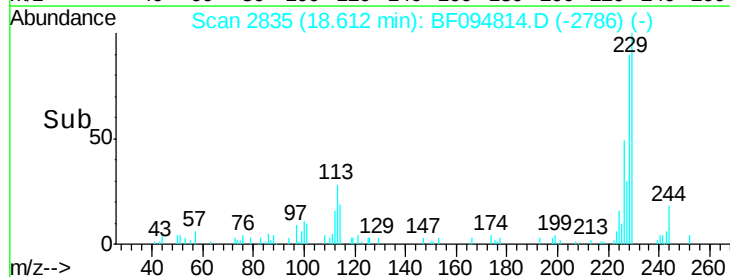
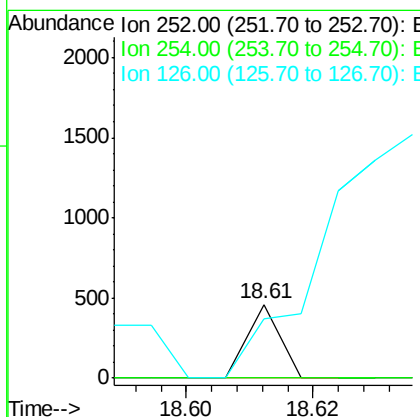
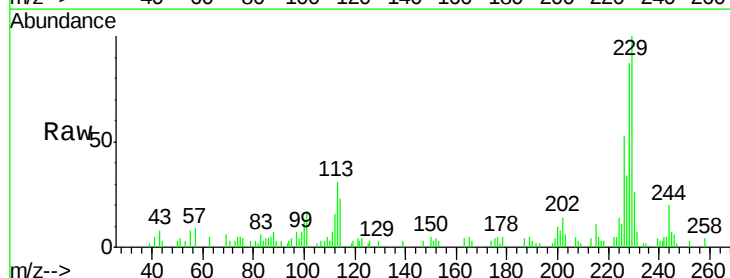
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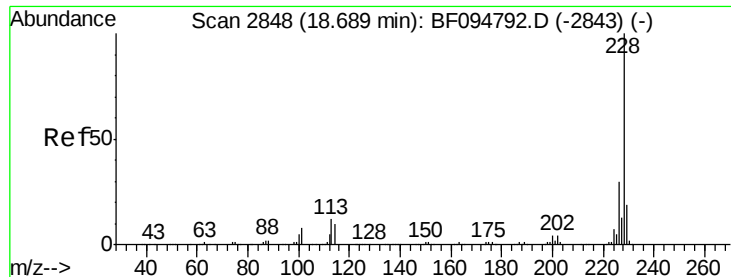
mohammad
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#81
3,3'-Dichlorobenzidine
Concen: 0.038 ng
RT: 18.61 min Scan# 2835
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.5	77.3#
126	80.1	15.8	23.8#





#82

Chrysene

Concen: 32.742 ng m

RT: 18.68 min Scan# 2846

Delta R.T. -0.01 min

Lab File: BF094814.D

Acq: 3 May 2017 2:16

Instrument :

BNA_F

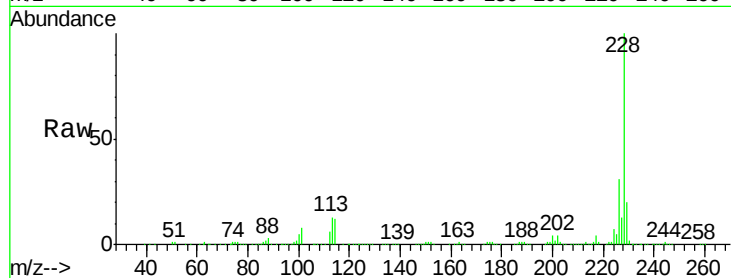
ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)

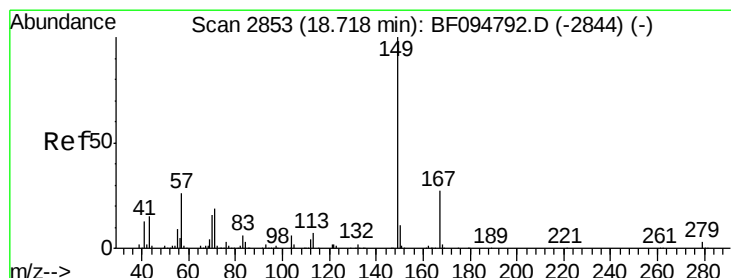
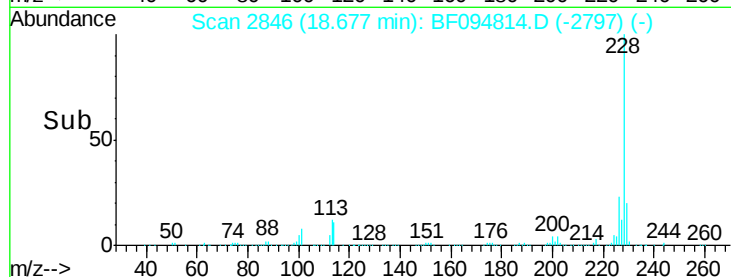
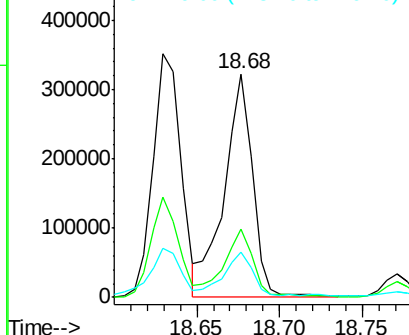
Tgt Ion:	228	Resp:	388753
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.9	37.3
229	20.2	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.288 ng

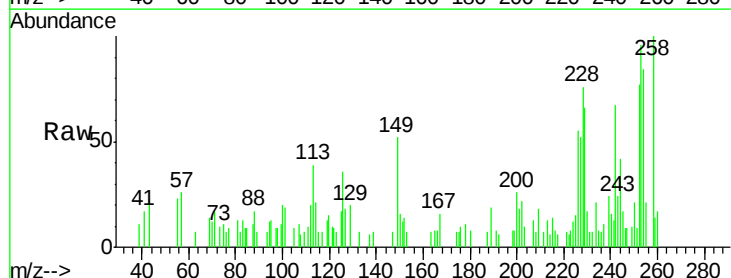
RT: 18.71 min Scan# 2852

Delta R.T. -0.01 min

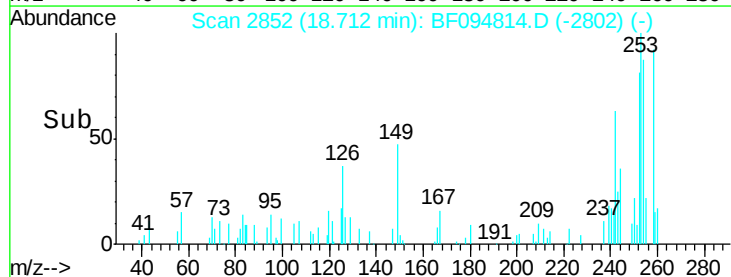
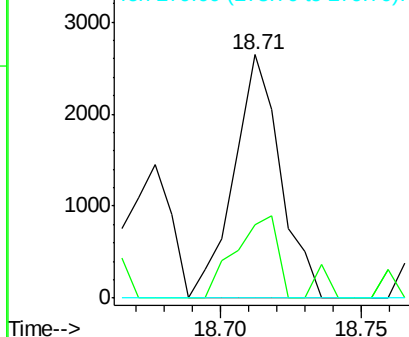
Lab File: BF094814.D

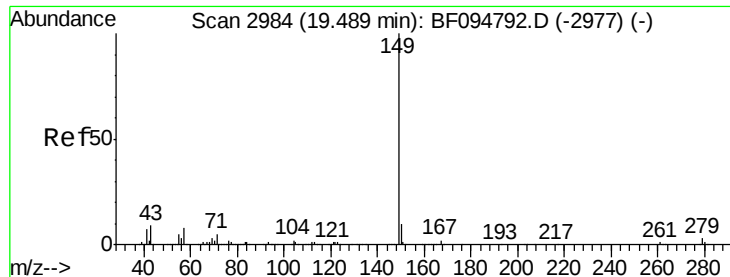
Acq: 3 May 2017 2:16

Tgt Ion:	149	Resp:	3013
Ion Ratio	Lower	Upper	
149	100		
167	29.9	21.0	31.4
279	0.0	1.9	2.9#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 0.015 ng

RT: 19.47 min Scan# 2980

Delta R.T. -0.02 min

Lab File: BF094814.D

Acq: 3 May 2017 2:16

Instrument :

BNA_F

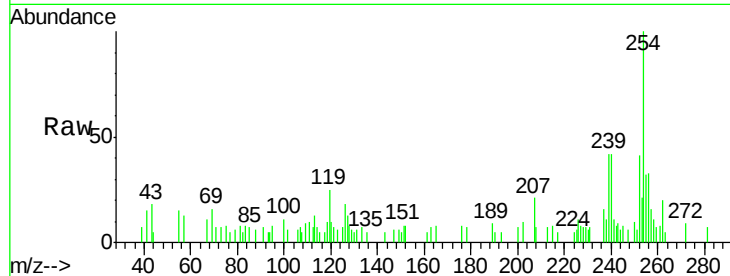
ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)

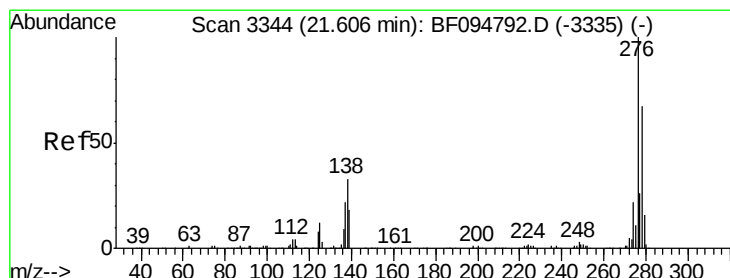
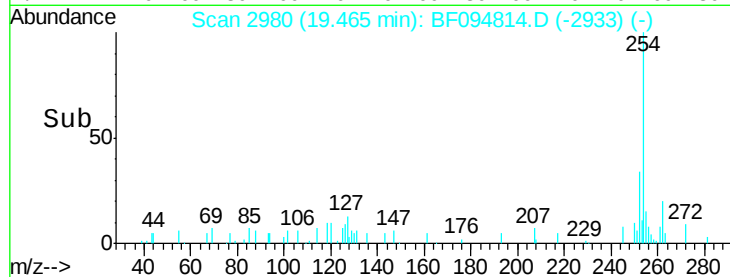
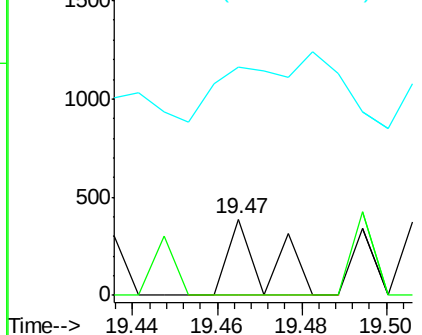
Tgt Ion:	149	Resp:	249
Ion Ratio	Lower	Upper	
149	100		
167	0.0	1.2	1.8#
43	0.0	8.5	12.7#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0



#85

Indeno(1,2,3-cd)pyrene

Concen: 14.606 ng

RT: 21.59 min Scan# 3342

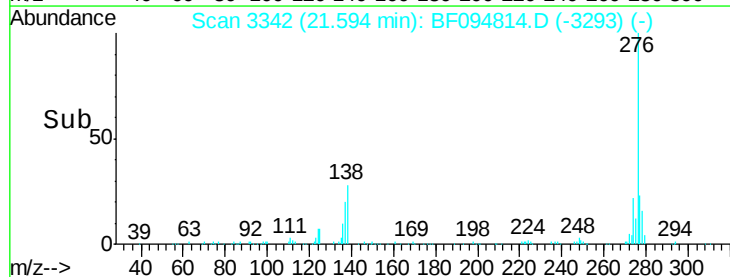
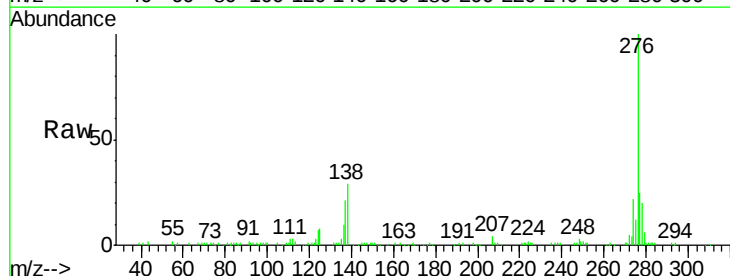
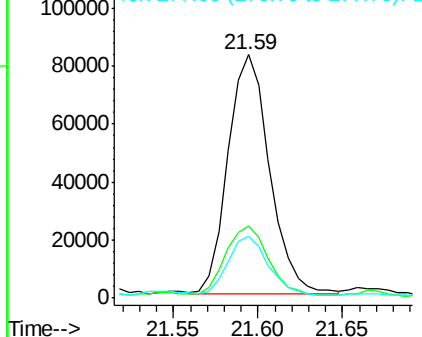
Delta R.T. -0.01 min

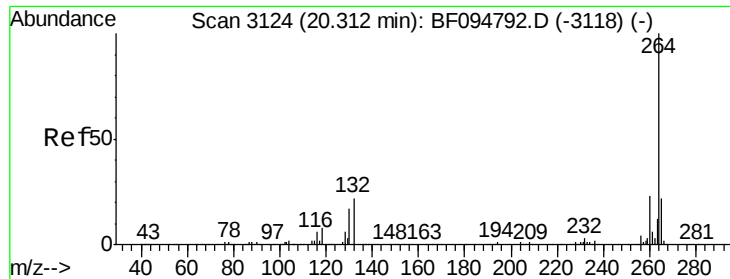
Lab File: BF094814.D

Acq: 3 May 2017 2:16

Tgt Ion:	276	Resp:	140836
Ion Ratio	Lower	Upper	
276	100		
138	31.1	27.8	41.6
277	24.2	20.2	30.4

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





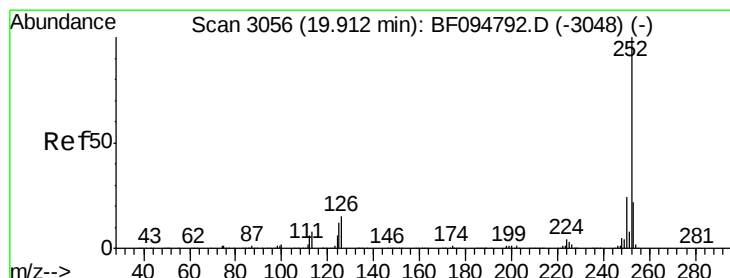
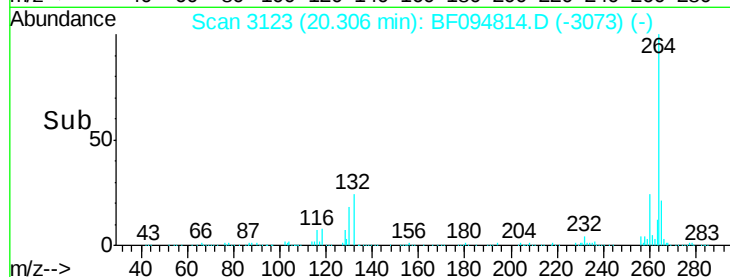
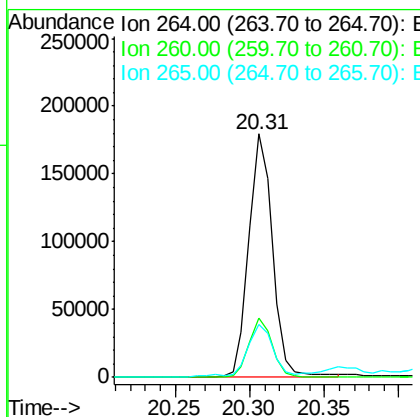
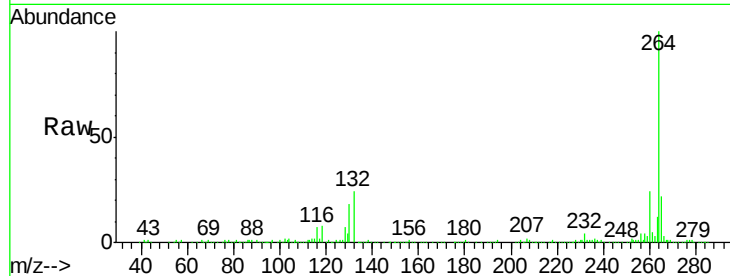
#86
Perylene-d12
Concen: 20.000 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	198134		
260	24.3	19.5	29.3	
265	21.6	17.2	25.8	

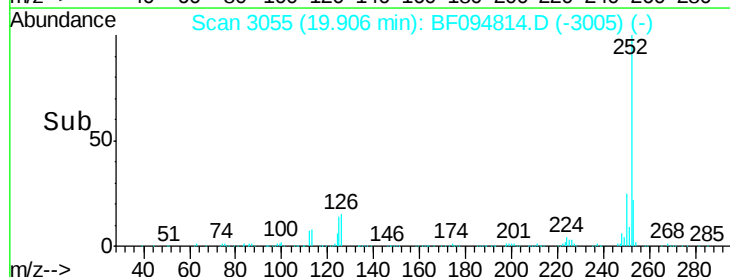
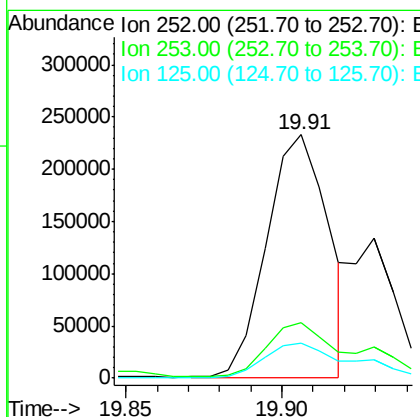
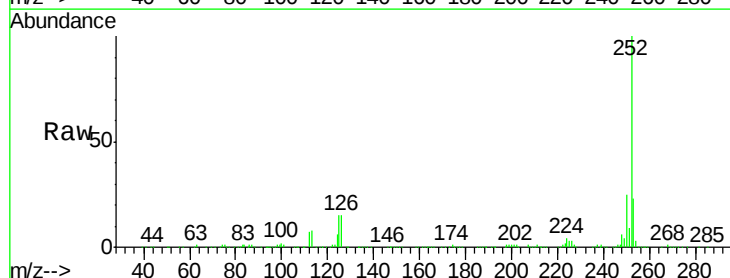
Manual Integrations
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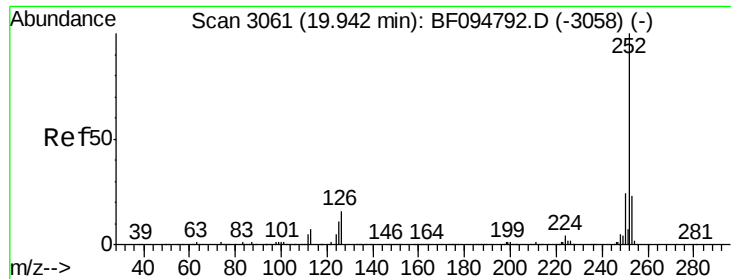
mohammad
5/4/2017 1:44:38 PM



#87
Benzo(b)fluoranthene
Concen: 26.316 ng m
RT: 19.91 min Scan# 3055
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	322181		
253	22.6	18.1	27.1	
125	14.6	9.8	14.8	





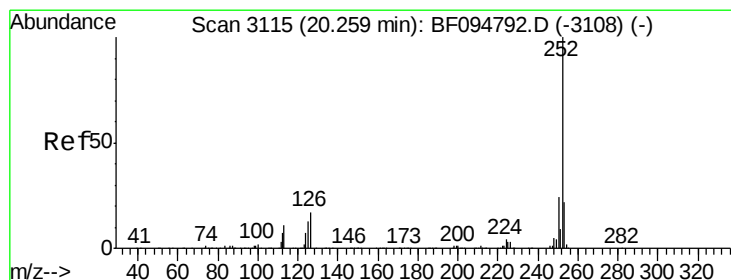
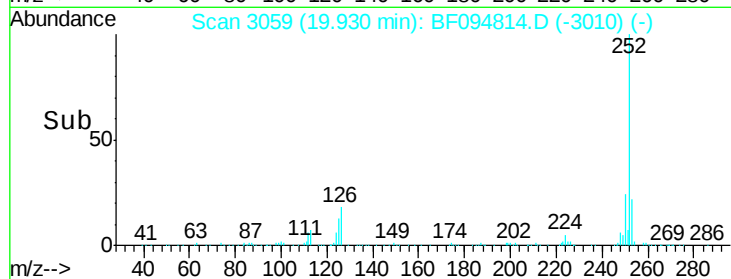
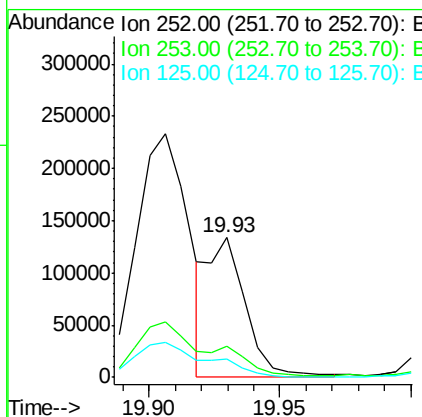
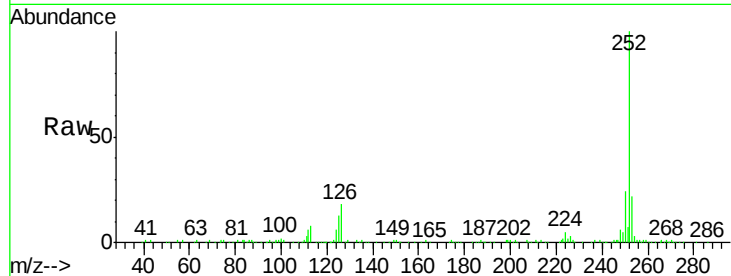
#88
Benzo(k)fluoranthene
Concen: 11.258 ng m
RT: 19.93 min Scan# 3059
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	13.2	13.1	19.7

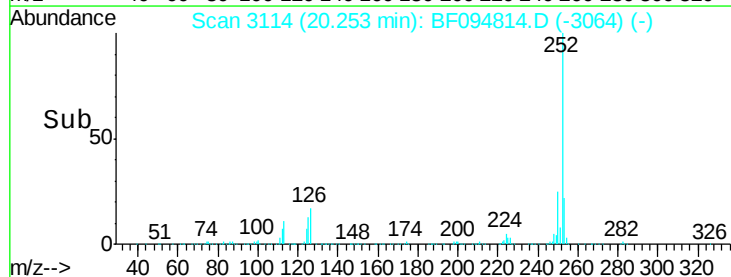
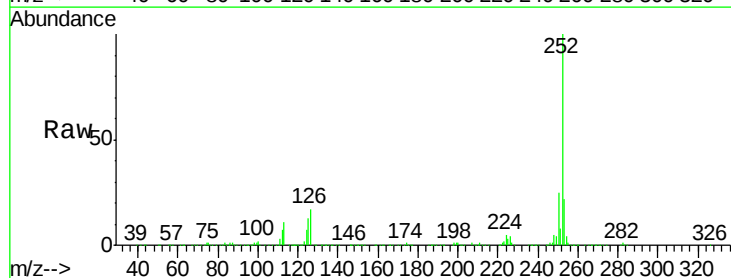
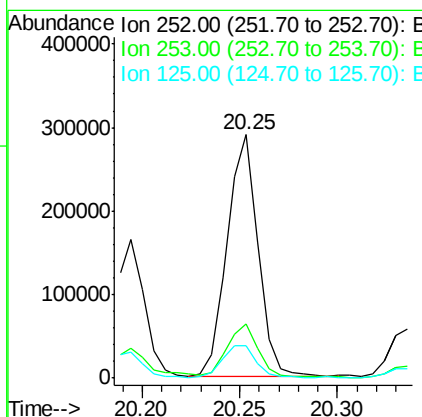
Manual Integrations
APPROVED

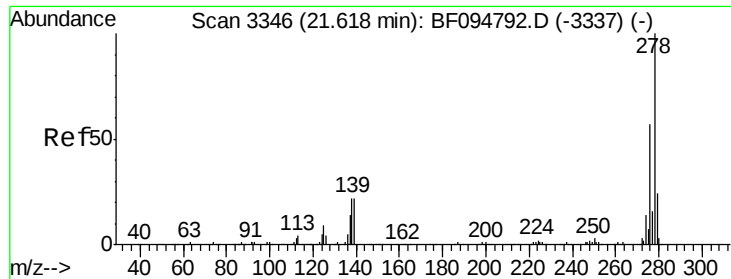
mohammad
5/4/2017 1:44:38 PM



#89
Benzo(a)pyrene
Concen: 28.187 ng
RT: 20.25 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	13.4	11.0	16.4





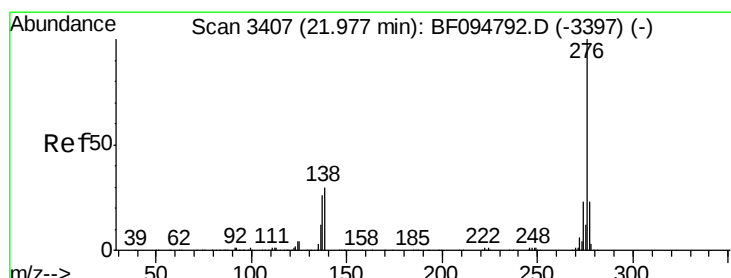
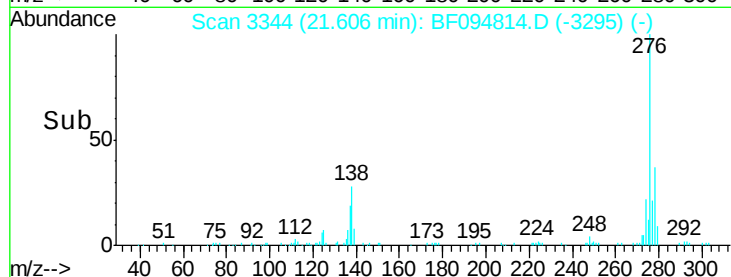
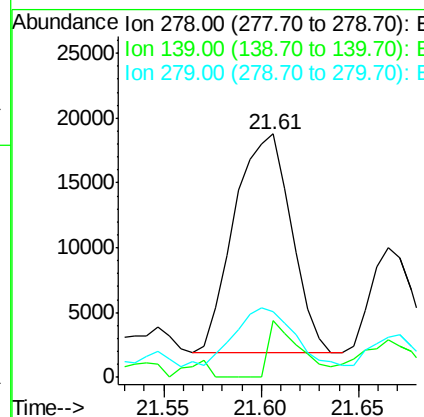
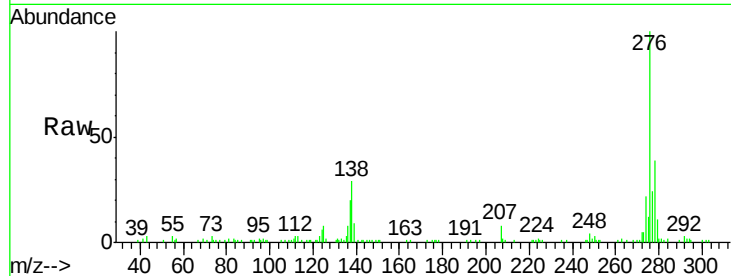
#90
Dibenzo(a,h)anthracene
Concen: 3.679 ng
RT: 21.61 min Scan# 3344
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Instrument :
BNA_F
ClientSampleId :
6TH-ST-SOIL-CUTTINGS(COMP)

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.4	16.6	24.8
279	27.1	19.3	28.9

Manual Integrations
APPROVED

mohammad
5/4/2017 1:44:38 PM



#91
Benzo(g,h,i)perylene
Concen: 14.750 ng
RT: 21.96 min Scan# 3405
Delta R.T. -0.01 min
Lab File: BF094814.D
Acq: 3 May 2017 2:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.2	18.6	28.0
138	29.9	25.4	38.0

