

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050217\
 Data File : BF094834.D
 Acq On : 3 May 2017 14:11
 Operator : SJ/MA
 Sample : I2923-01DL 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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 5/4/2017 1:45:55 PM

Quant Time: May 03 15:20:39 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	7.72	152	85046	20.00	ng	0.00
21) Naphthalene-d8	9.75	136	341863	20.00	ng	0.00
38) Acenaphthene-d10	12.58	164	140465	20.00	ng	0.00
63) Phenanthrene-d10	14.98	188	233179	20.00	ng	0.00
75) Chrysene-d12	18.64	240	197071	20.00	ng	-0.01
86) Perylene-d12	20.31	264	159567	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.68	112	163385	32.03	ng	0.00
7) Phenol-d6	7.26	99	206460	33.73	ng	-0.02
23) Nitrobenzene-d5	8.61	82	111354	20.54	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	31085	27.02	ng	-0.01
44) 2-Fluorobiphenyl	11.52	172	208304	21.34	ng	-0.01
78) Terphenyl-d14	17.30	244	125894	14.07	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.10	88	149	0.060	ng	# 21
6) Aniline	7.38	93	108	0.014	ng	# 1
9) Benzaldehyde	7.12	77	303	0.081	ng	# 1
10) Phenol	7.29	94	1390	0.216	ng	# 5
11) bis(2-Chloroethyl)ether	7.38	93	108	0.020	ng	# 1
15) Benzyl Alcohol	7.96	79	1886	0.479	ng	# 41
17) 2-Methylphenol	8.35	107	237	0.050	ng	# 10
18) Hexachloroethane	8.42	117	116	0.051	ng	# 1
20) 3+4-Methylphenols	8.35	107	237	0.037	ng	# 5
22) Acetophenone	8.42	105	106	0.013	ng	# 1
24) Nitrobenzene	8.61	77	111	0.020	ng	# 39
25) Isophorone	8.84	82	473	0.049	ng	# 67
31) Naphthalene	9.78	128	541377	31.509	ng	99
37) 2-Methylnaphthalene	10.91	142	66691m	5.914	ng	
45) 1,1'-Biphenyl	11.68	154	12482	1.055	ng	96
48) Acenaphthylene	12.34	152	60879	4.070	ng	97
49) Dimethylphthalate	12.21	163	27696	2.402	ng	99
51) Acenaphthene	11.68	154	12482	1.055	ng	# 42
54) Dibenzofuran	12.92	168	61109	4.943	ng	98
56) 2,4-Dinitrotoluene	12.70	165	497	0.164	ng	# 31
57) Fluorene	13.47	166	59553	5.540	ng	97
59) Diethylphthalate	13.36	149	670	0.061	ng	# 60
61) 4-Nitroaniline	13.47	138	497	0.214	ng	# 25
62) Azobenzene	13.75	77	266	0.030	ng	# 1
65) n-Nitrosodiphenylamine	13.69	169	540	0.064	ng	# 5
70) Phenanthrene	15.01	178	239212	17.855	ng	96
71) Anthracene	15.09	178	86482	6.319	ng	96
72) Carbazole	15.38	167	36238	2.910	ng	96
73) Di-n-butylphthalate	15.95	149	498	0.032	ng	# 1
74) Fluoranthene	16.75	202	191668	13.946	ng	98
77) Pyrene	17.05	202	175160	11.884	ng	97
80) Benzo(a)anthracene	18.63	228	82602m	7.202	ng	
81) 3,3'-Dichlorobenzidine	18.71	252	678	0.171	ng	# 37
82) Chrysene	18.67	228	75193	6.780	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Bis(2-ethylhexyl)phthalate	18.71	149	545	0.056	ng	# 52
84) Di-n-octyl phthalate	19.48	149	224	0.014	ng	# 1
85) Indeno(1,2,3-cd)pyrene	21.60	276	21791	2.420	ng	94
87) Benzo(b)fluoranthene	19.90	252	58646m	5.948	ng	
88) Benzo(k)fluoranthene	19.93	252	24121m	2.536	ng	
89) Benzo(a)pyrene	20.25	252	54276	5.966	ng	96
90) Dibenzo(a,h)anthracene	21.61	278	6826	0.908	ng	# 91
91) Benzo(g,h,i)perylene	21.98	276	21209	2.876	ng	97

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

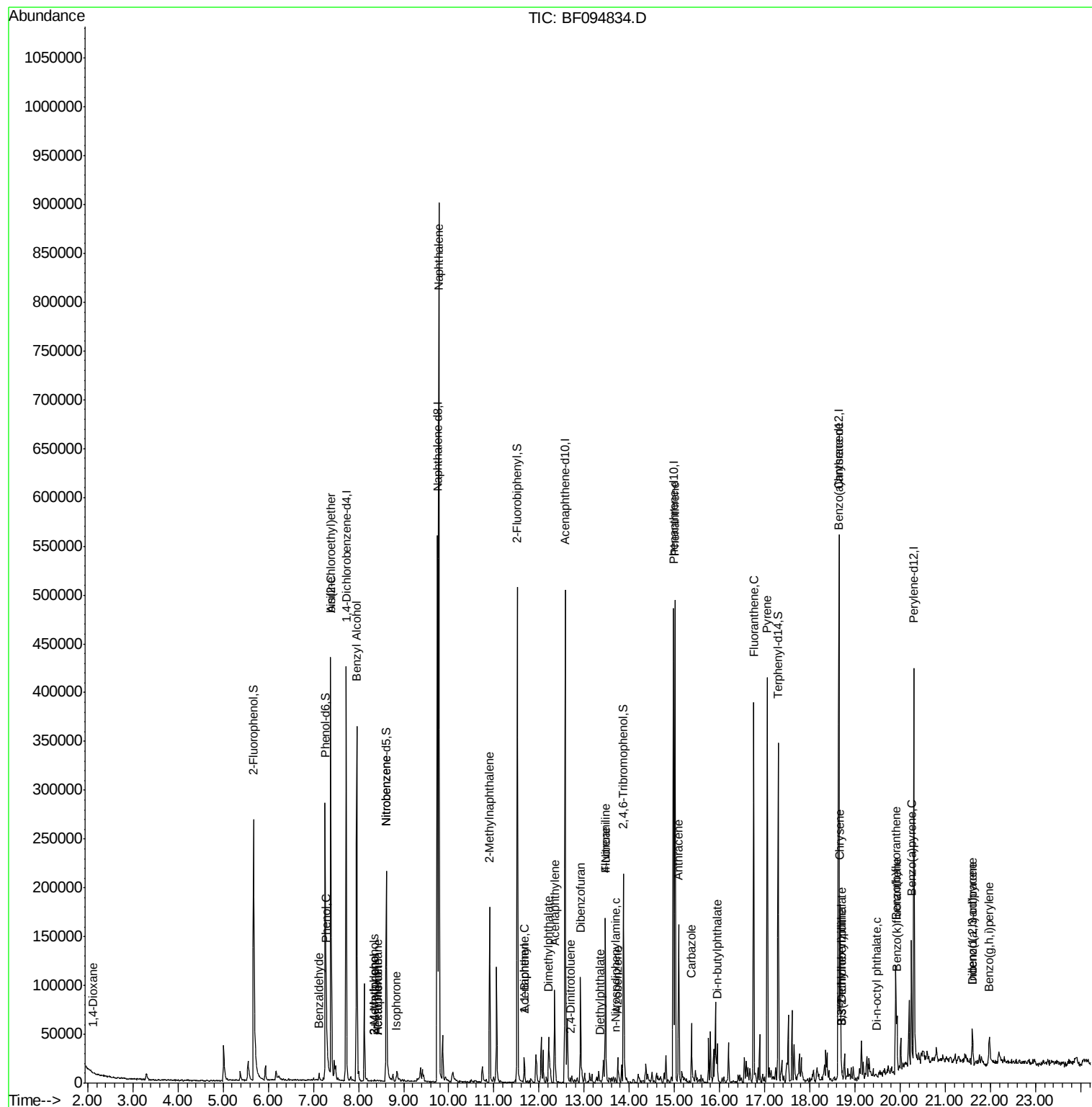
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Data File : BF094834.D
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Sample : I2923-01DL 5X
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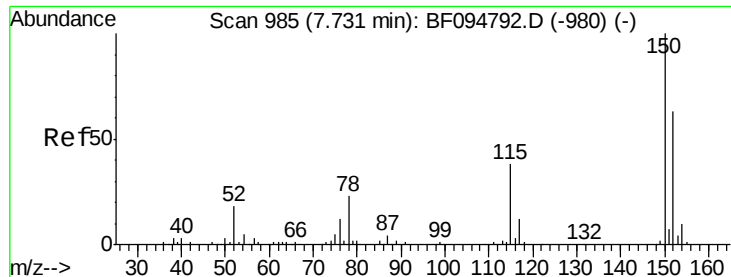
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.72 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF094834.D

Acq: 3 May 2017 14:11

Instrument :

BNA_F

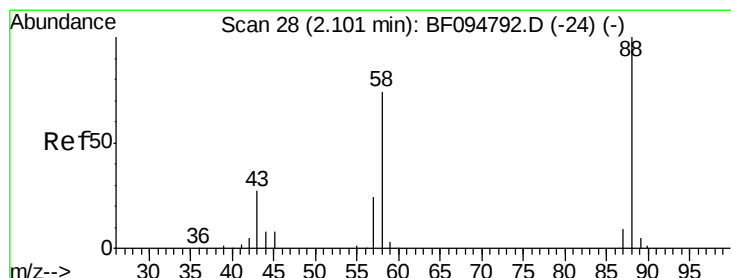
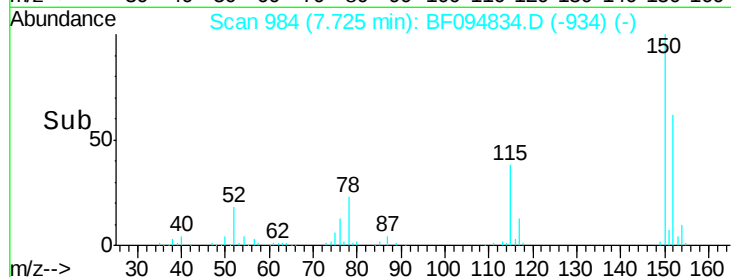
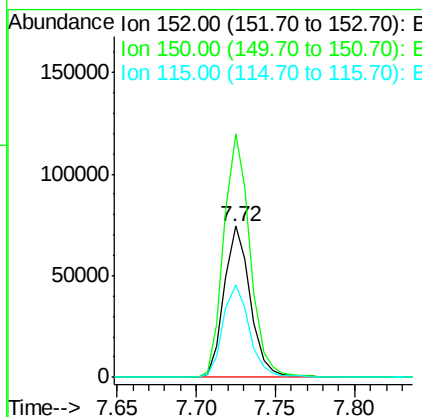
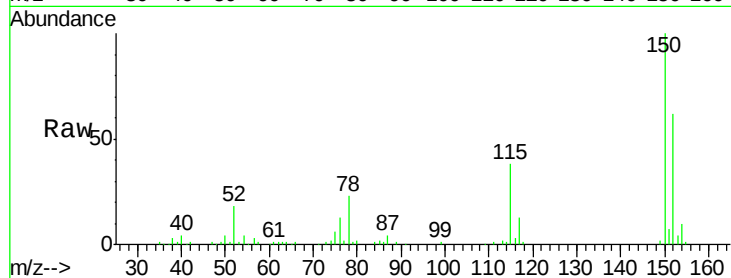
ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)DL

Tgt Ion:	152	Resp:	85046
Ion Ratio	Lower	Upper	
152	100		
150	161.2	126.2	189.2
115	61.2	52.2	78.2

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#2

1,4-Dioxane

Concen: 0.060 ng

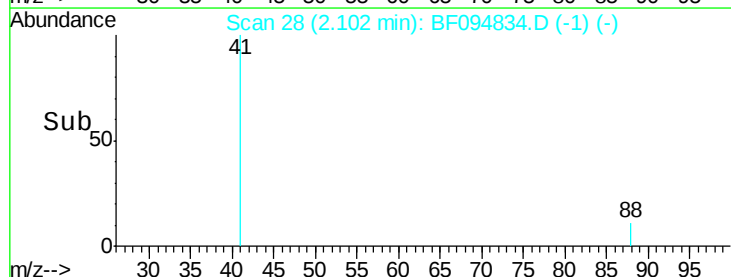
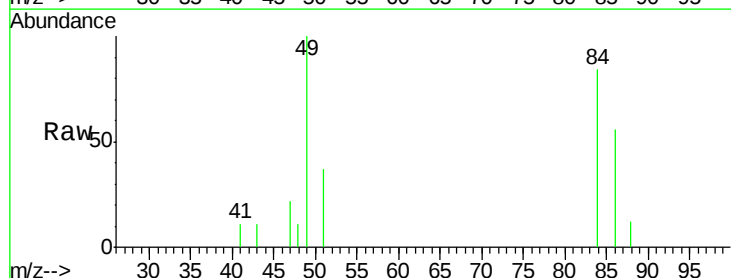
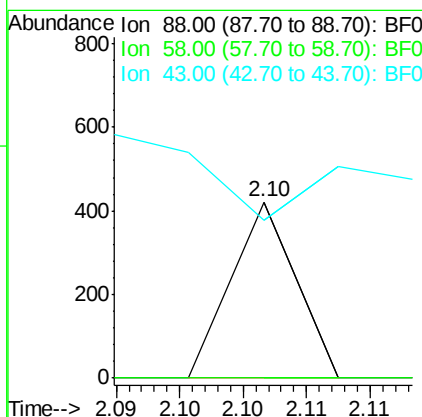
RT: 2.10 min Scan# 28

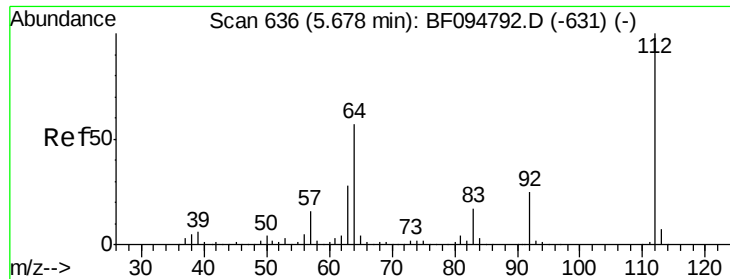
Delta R.T. 0.00 min

Lab File: BF094834.D

Acq: 3 May 2017 14:11

Tgt Ion:	88	Resp:	149
Ion Ratio	Lower	Upper	
88	100		
58	0.0	61.4	92.0#
43	0.0	23.4	35.0#





#5

2-Fluorophenol

Concen: 32.029 ng

RT: 5.68 min Scan# 636

Delta R.T. 0.00 min

Lab File: BF094834.D

Acq: 3 May 2017 14:11

Instrument :

BNA_F

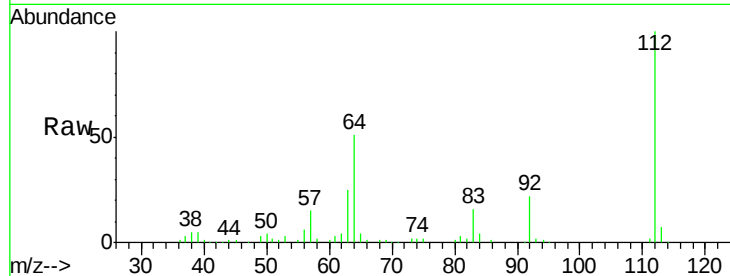
ClientSampleId :

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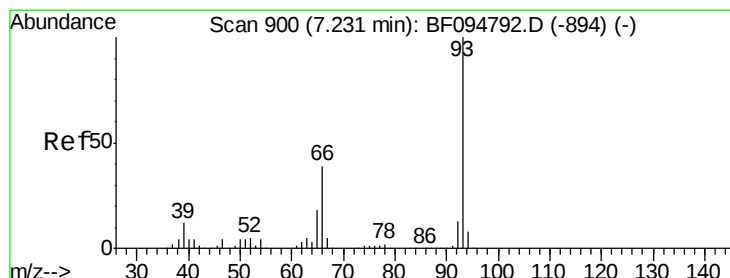
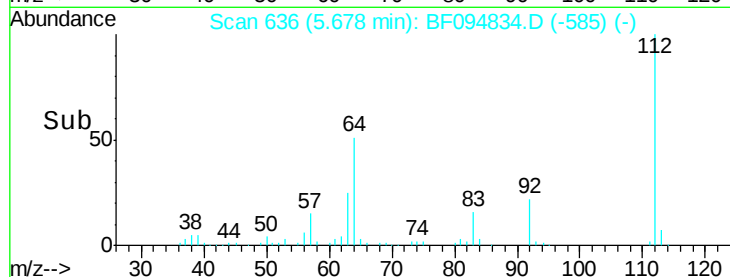
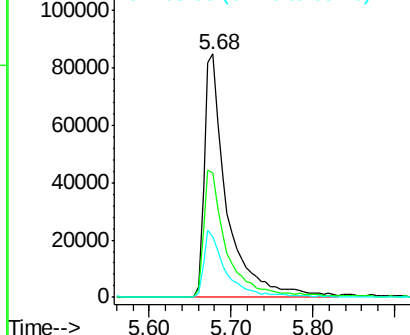
Tgt Ion:	112	Resp:	163385
Ion Ratio	Lower	Upper	
112	100		
64	51.2	46.0	69.0
63	24.9	23.4	35.0

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Abundance Ion 112.00 (111.70 to 112.70): BF0
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 0.014 ng

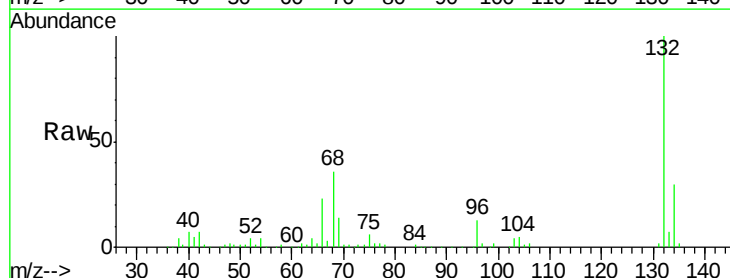
RT: 7.38 min Scan# 926

Delta R.T. 0.15 min

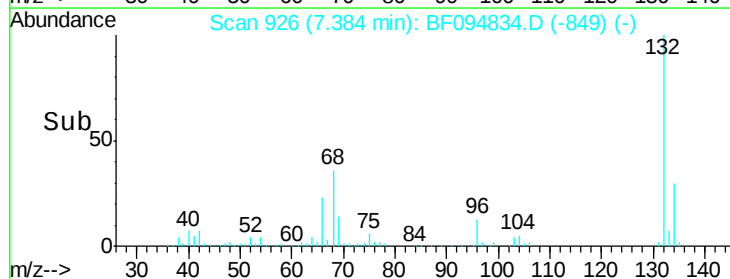
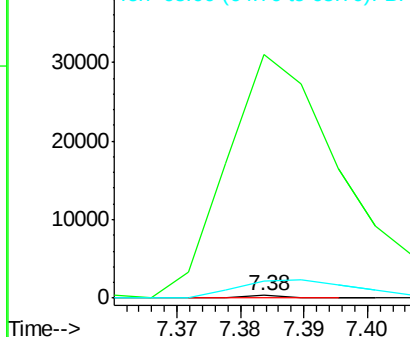
Lab File: BF094834.D

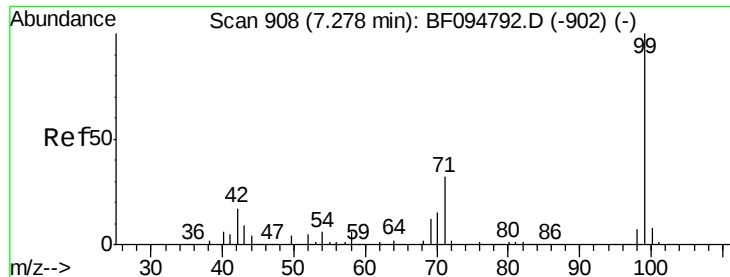
Acq: 3 May 2017 14:11

Tgt Ion:	93	Resp:	108
Ion Ratio	Lower	Upper	
93	100		
66	10133.3	32.9	49.3#
65	701.0	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: 33.732 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094834.D

Acq: 3 May 2017 14:11

Instrument :

BNA_F

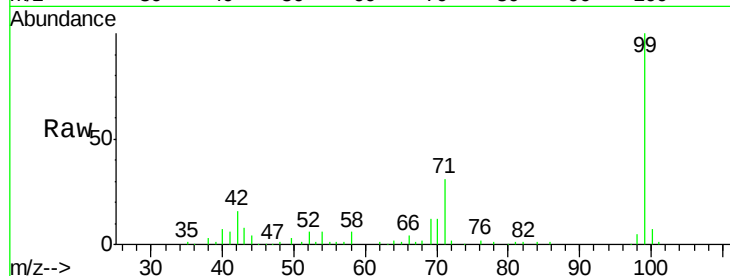
ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)DL

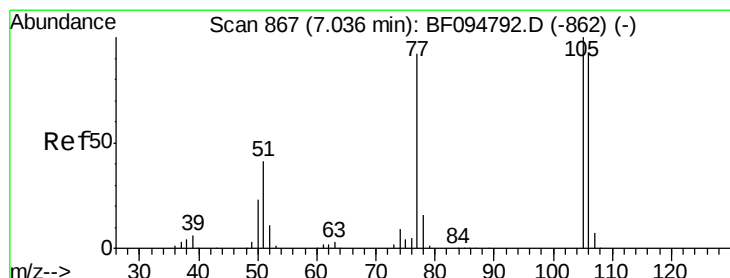
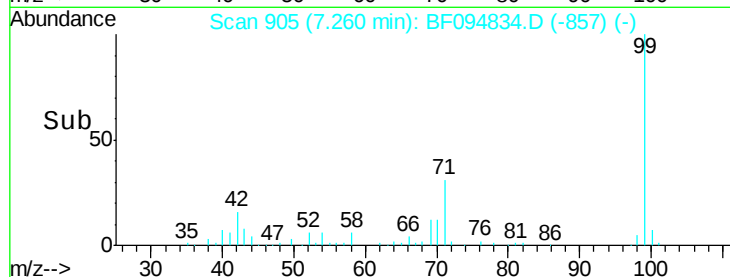
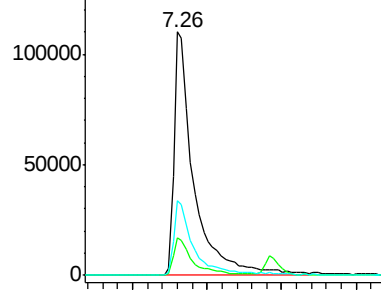
Tgt Ion:	99	Resp:	206460
Ion Ratio	Lower	Upper	
99	100		
42	15.6	13.5	20.3
71	30.9	24.5	36.7

Manual Integrations
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 0.081 ng

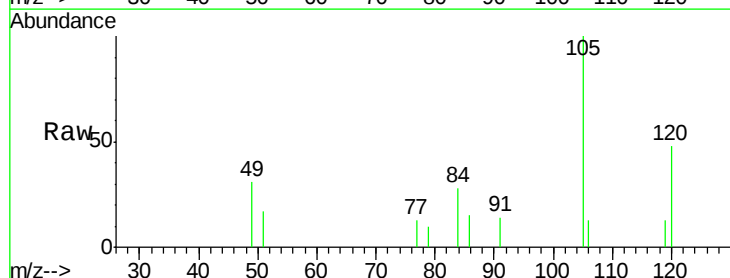
RT: 7.12 min Scan# 882

Delta R.T. 0.09 min

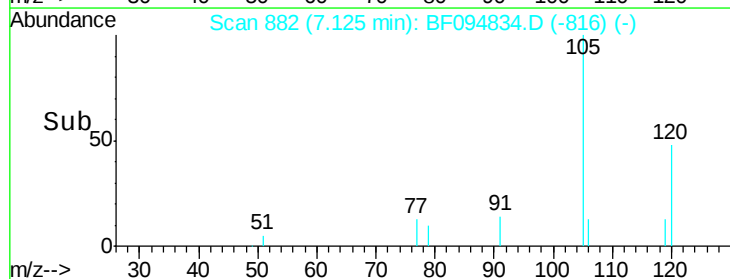
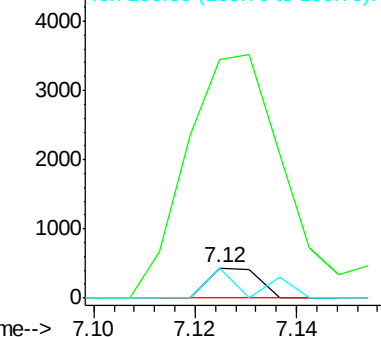
Lab File: BF094834.D

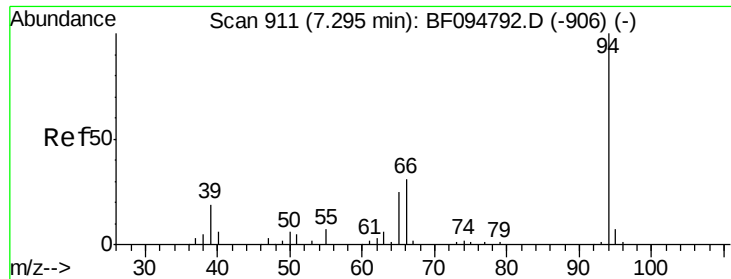
Acq: 3 May 2017 14:11

Tgt Ion:	77	Resp:	303
Ion Ratio	Lower	Upper	
77	100		
105	784.3	83.8	123.8#
106	99.1	79.1	119.1



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





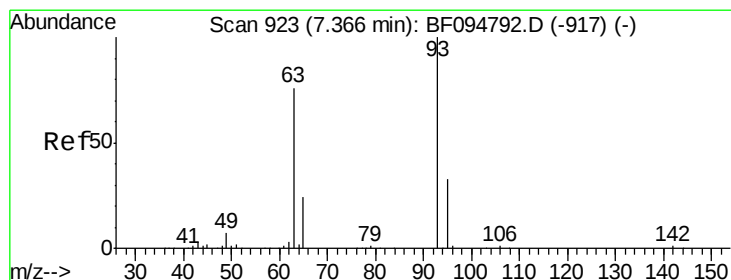
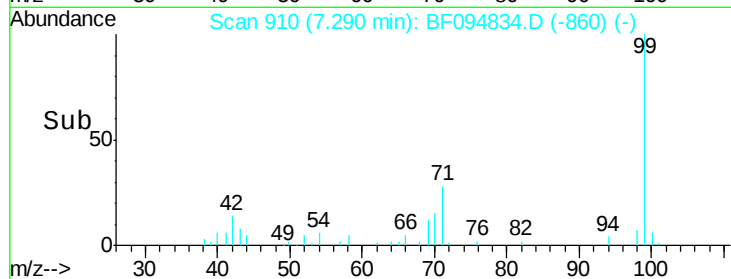
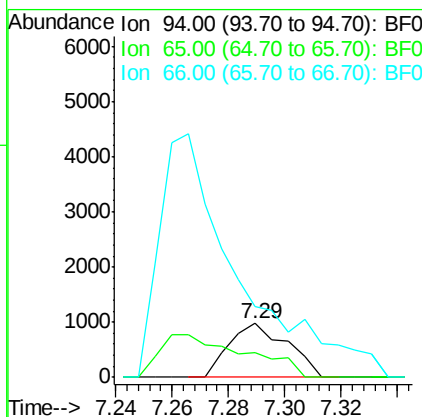
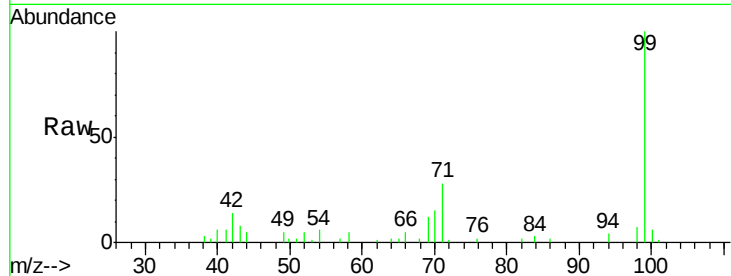
#10
Phenol
Concen: 0.216 ng
RT: 7.29 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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Tgt Ion	Ratio	Lower	Upper
94	100		
65	47.1	9.9	49.9
66	132.3	23.1	63.1#

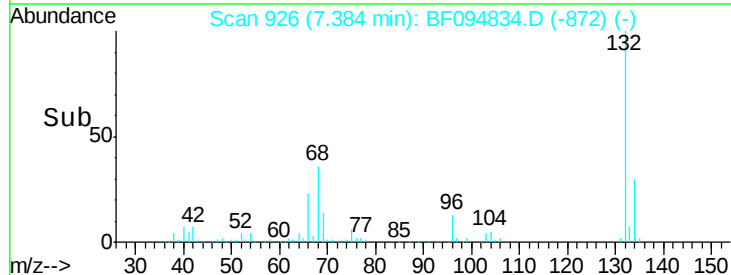
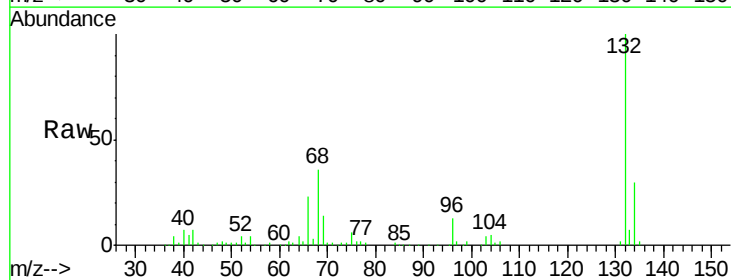
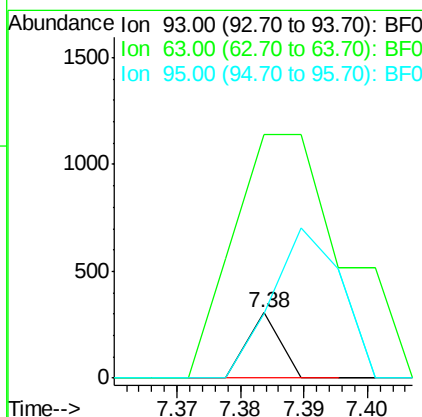
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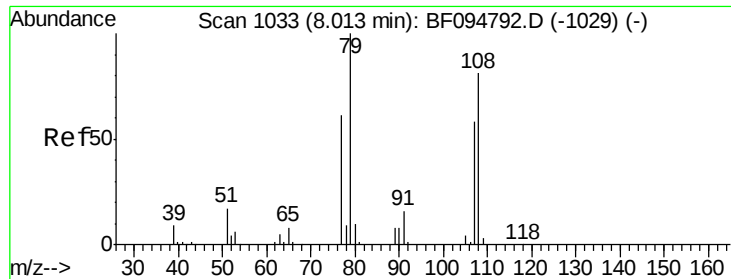
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#11
bis(2-Chloroethyl)ether
Concen: 0.020 ng
RT: 7.38 min Scan# 926
Delta R.T. 0.02 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Lower	Upper
93	100		
63	372.2	59.2	99.2#
95	99.0	12.8	52.8#





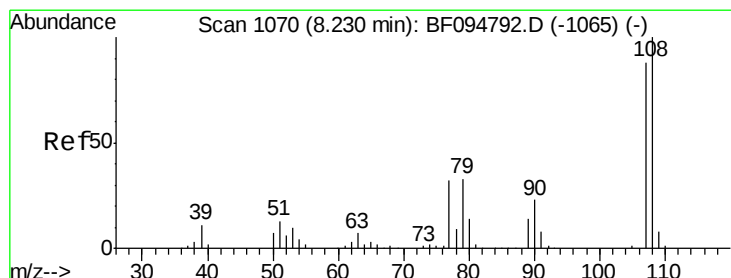
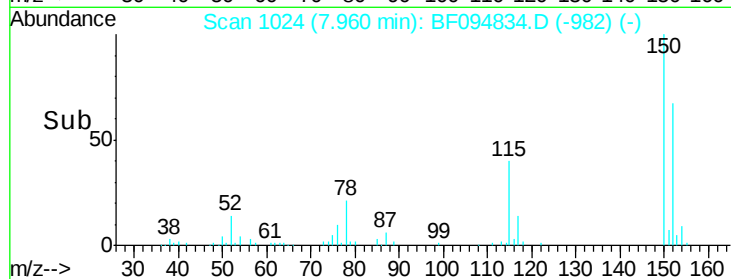
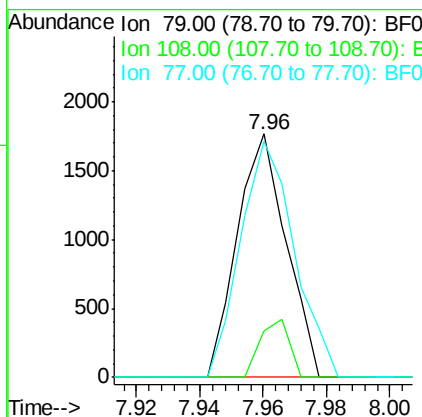
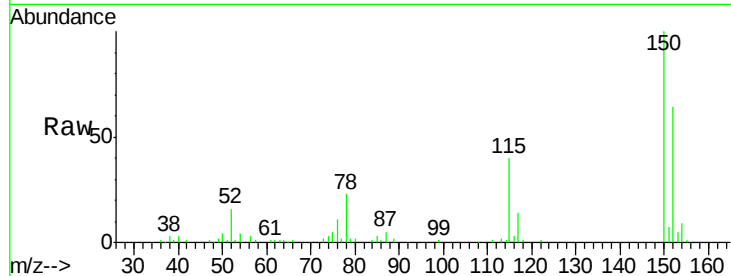
#15
Benzyl Alcohol
Concen: 0.479 ng
RT: 7.96 min Scan# 1024
Delta R.T. -0.05 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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Tgt Ion	Ratio	Resp	Lower	Upper
79	100	1886		
108	19.0	63.4	95.0#	
77	96.9	49.2	73.8#	

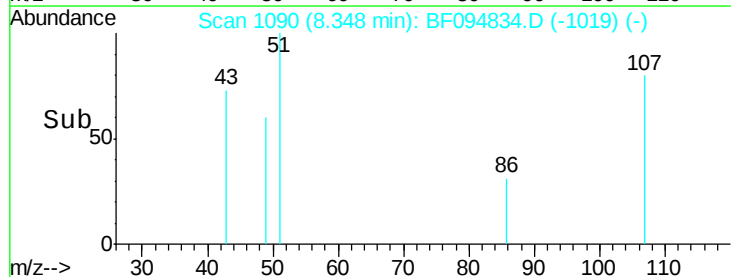
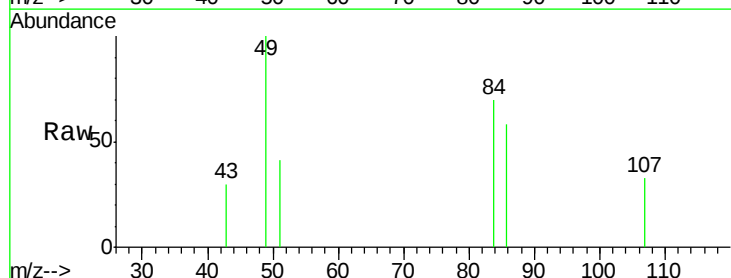
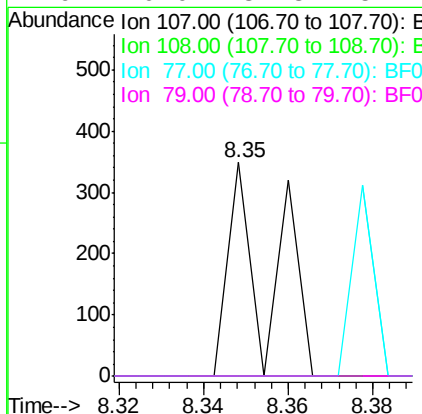
Manual Integrations
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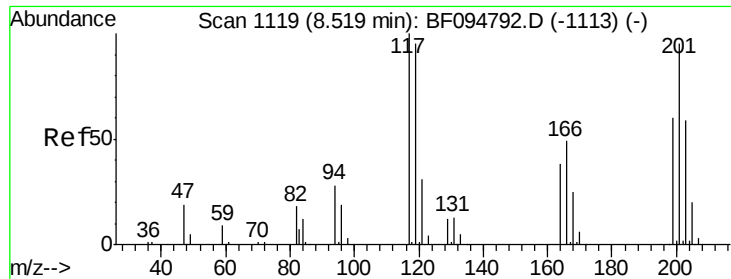
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#17
2-Methylphenol
Concen: 0.050 ng
RT: 8.35 min Scan# 1090
Delta R.T. 0.12 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	237		
108	0.0	93.4	140.0#	
77	0.0	35.8	53.6#	
79	0.0	34.8	52.2#	





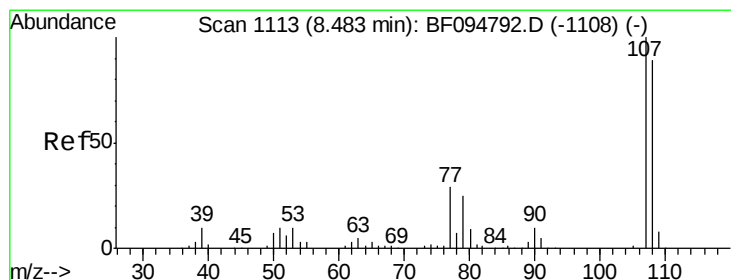
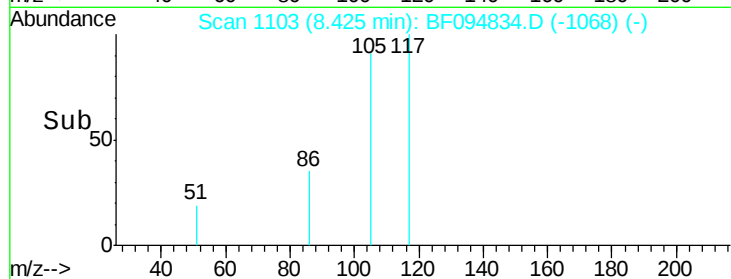
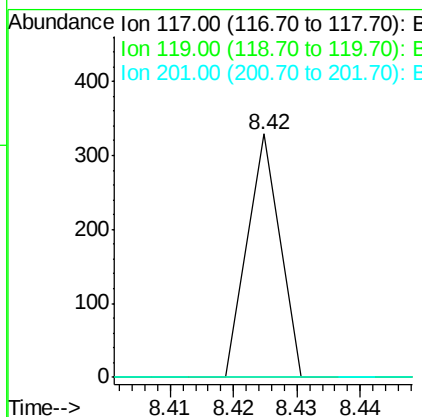
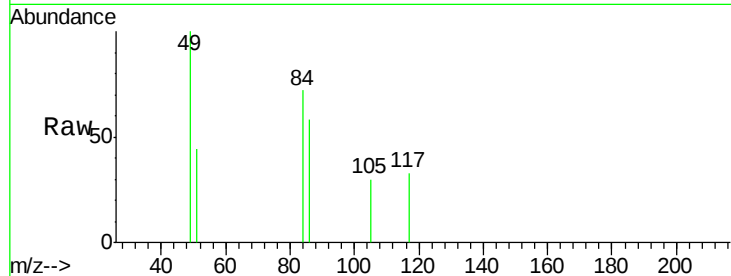
#18
Hexachloroethane
Concen: 0.051 ng
RT: 8.42 min Scan# 1103
Delta R.T. -0.09 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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

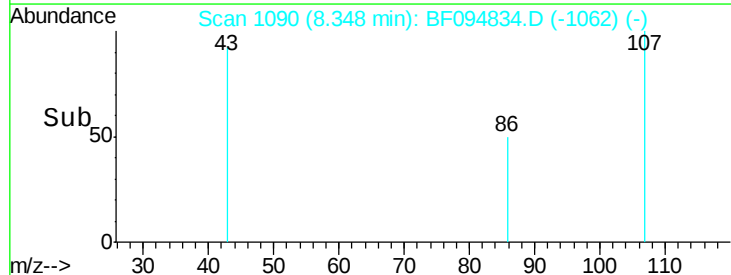
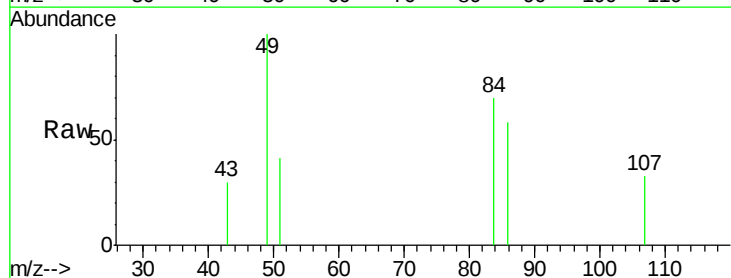
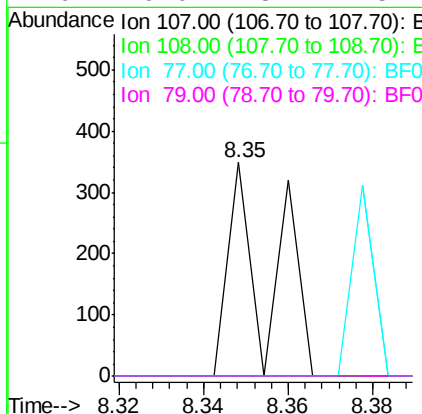
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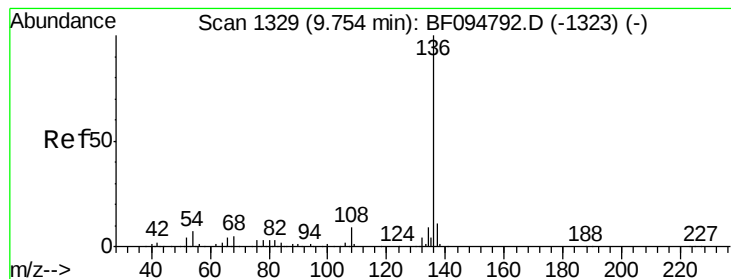
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#20
3+4-Methylphenols
Concen: 0.037 ng
RT: 8.35 min Scan# 1090
Delta R.T. -0.14 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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





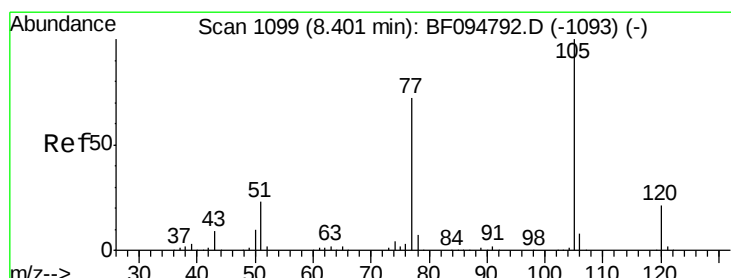
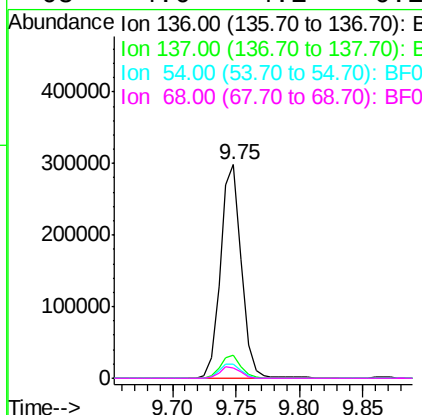
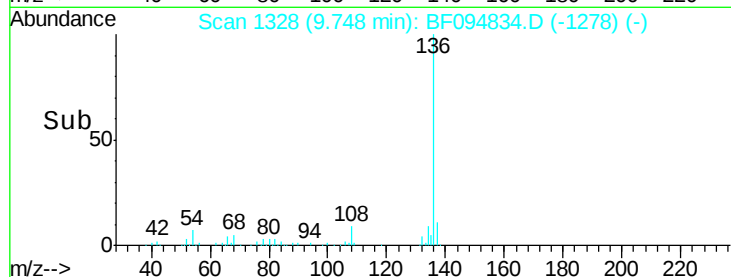
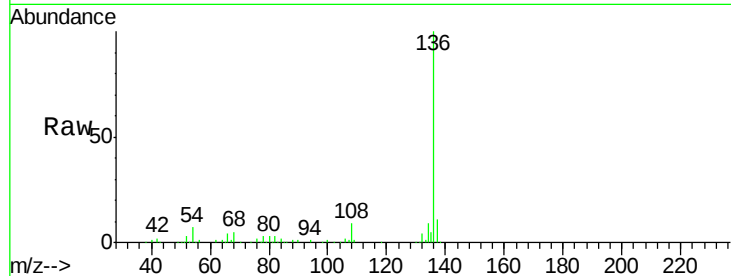
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.75 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	341863		
137	10.8	8.5	12.7	
54	6.6	4.9	7.3	
68	4.6	4.1	6.1	

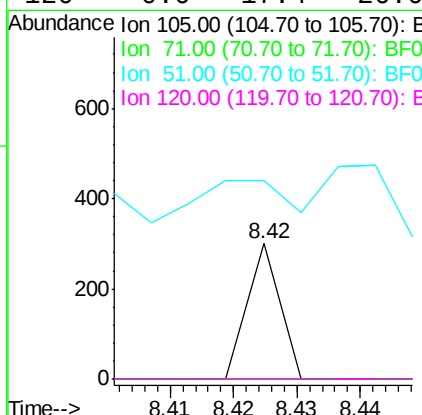
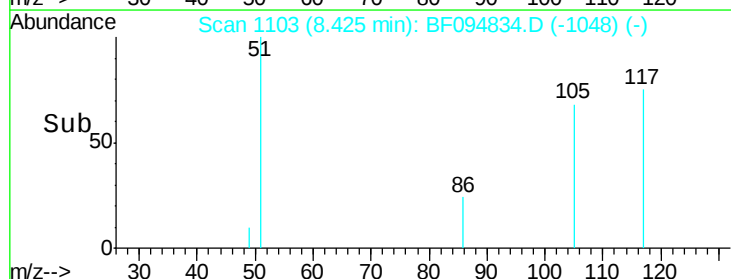
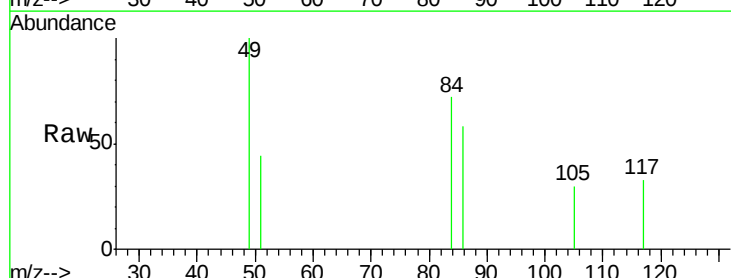
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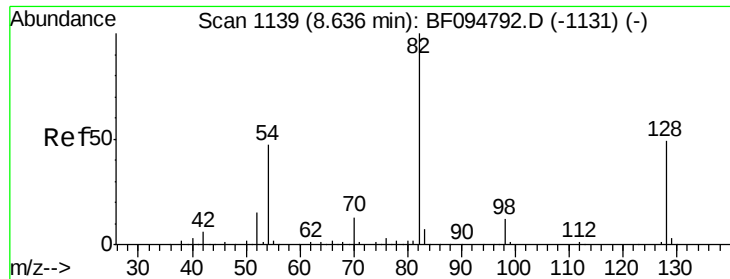
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#22
Acetophenone
Concen: 0.013 ng
RT: 8.42 min Scan# 1103
Delta R.T. 0.02 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	106		
71	0.0	2.8	4.2#	
51	147.0	30.7	46.1#	
120	0.0	17.4	26.0#	





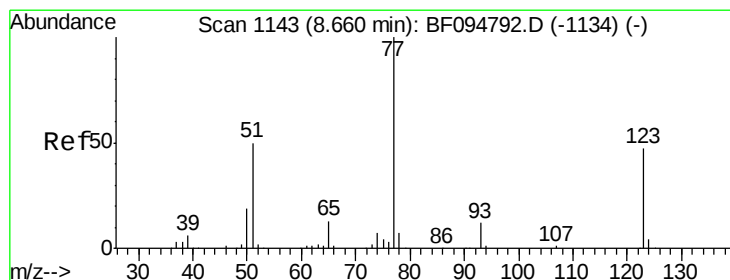
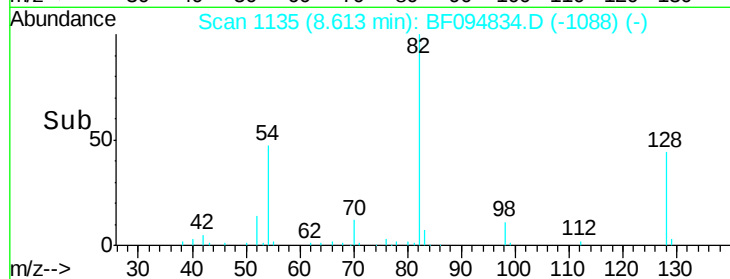
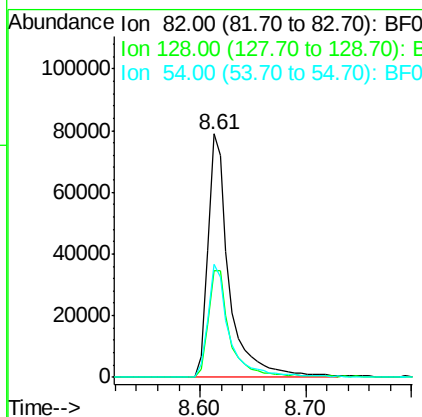
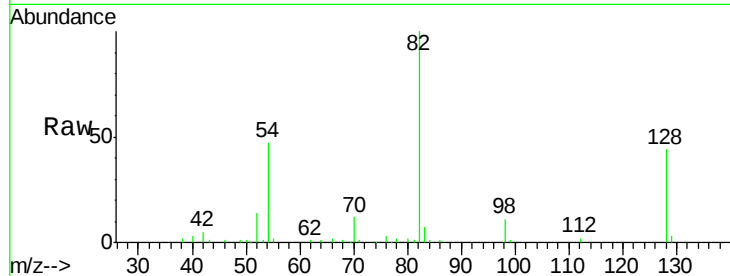
#23
Nitrobenzene-d5
Concen: 20.540 ng
RT: 8.61 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	111354		
128	43.7	34.0	51.0	
54	46.5	42.2	63.2	

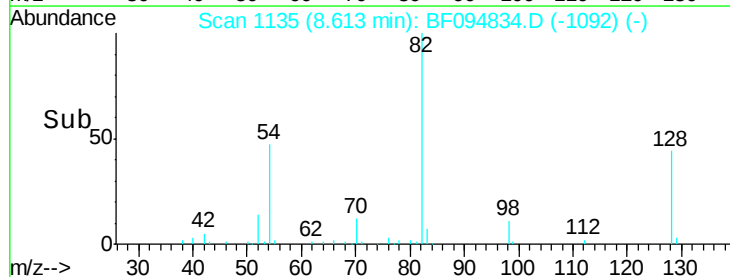
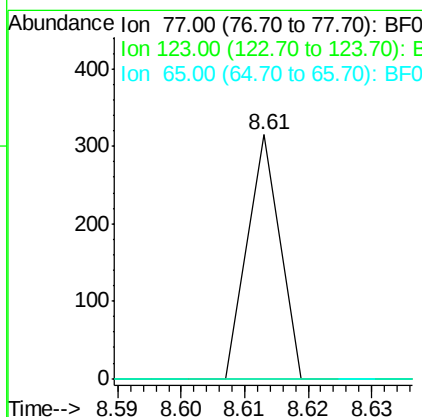
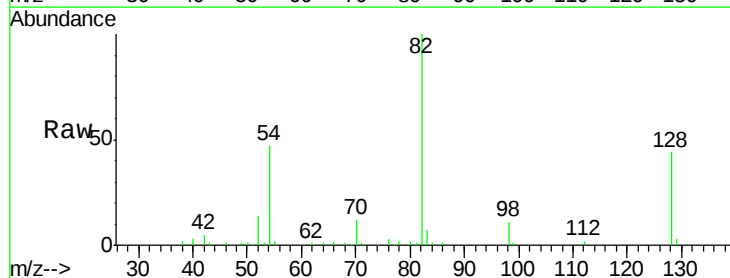
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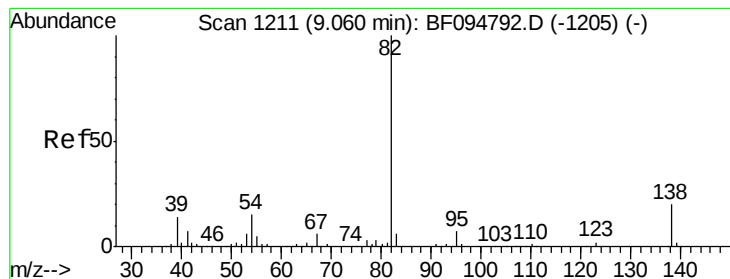
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#24
Nitrobenzene
Concen: 0.020 ng
RT: 8.61 min Scan# 1135
Delta R.T. -0.05 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	111		
123	0.0	35.8	53.8#	
65	0.0	10.6	15.8#	





#25

Isophorone

Concen: 0.049 ng

RT: 8.84 min Scan# 1173

Delta R.T. -0.22 min

Lab File: BF094834.D

Acq: 3 May 2017 14:11

Instrument :

BNA_F

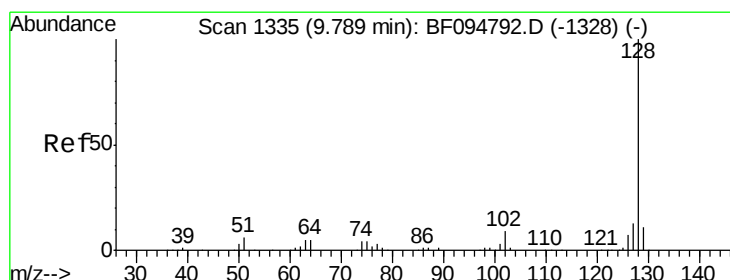
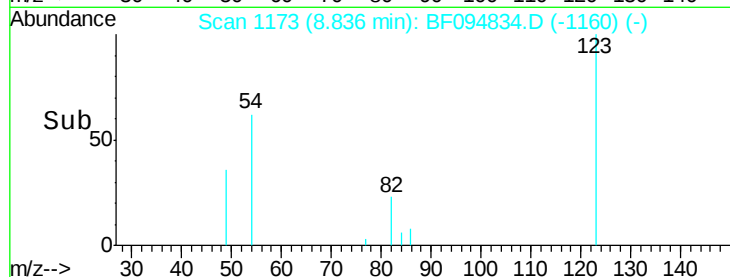
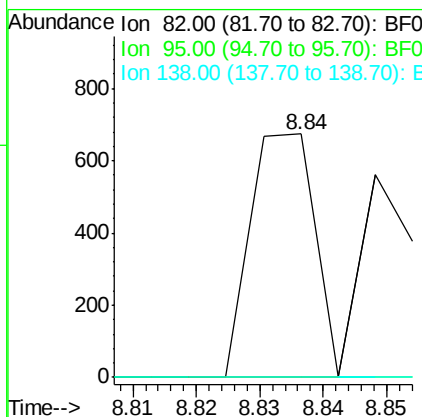
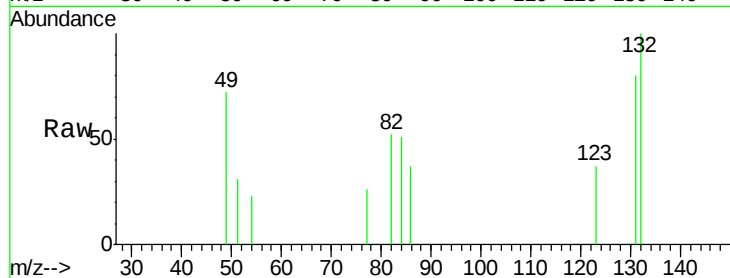
ClientSampleId :

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Tgt Ion:	82	Resp:	473
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

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#31

Naphthalene

Concen: 31.509 ng

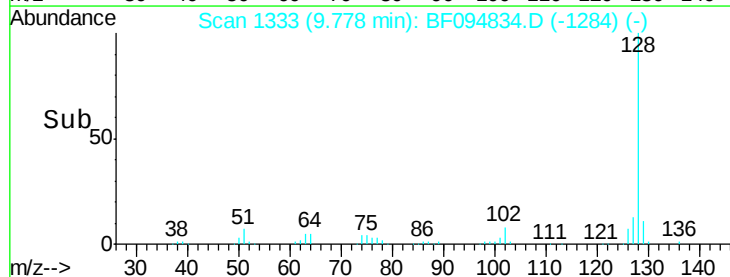
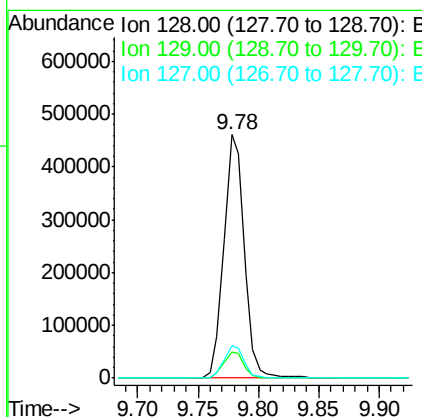
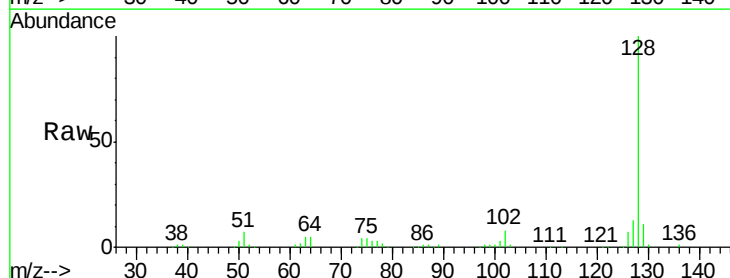
RT: 9.78 min Scan# 1333

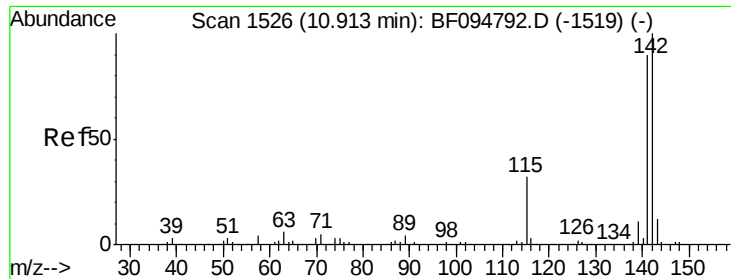
Delta R.T. -0.01 min

Lab File: BF094834.D

Acq: 3 May 2017 14:11

Tgt Ion:	128	Resp:	541377
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.0	13.6
127	13.3	10.8	16.2





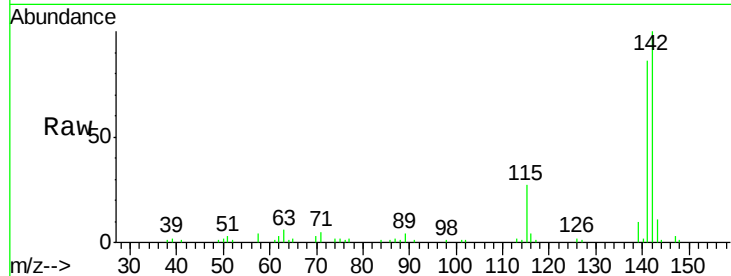
#37
2-Methylnaphthalene
Concen: 5.914 ng m
RT: 10.91 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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

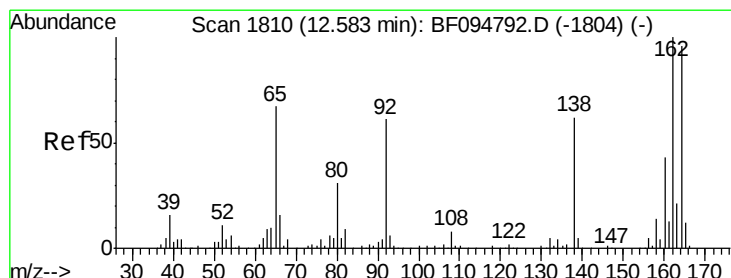
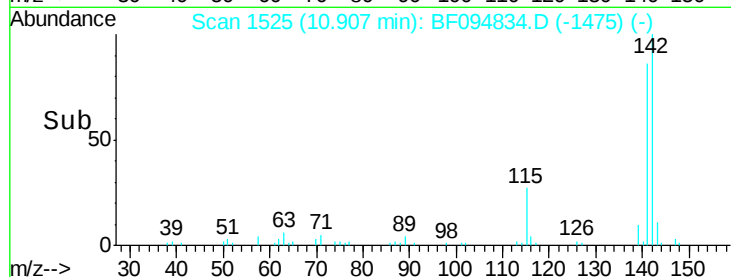
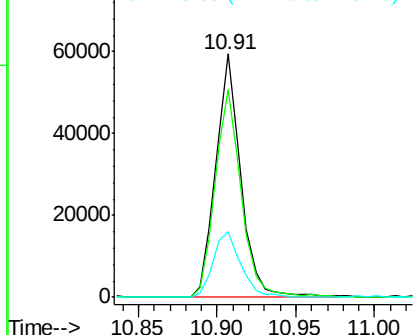
Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.5	71.3	106.9
115	26.8	27.1	40.7#

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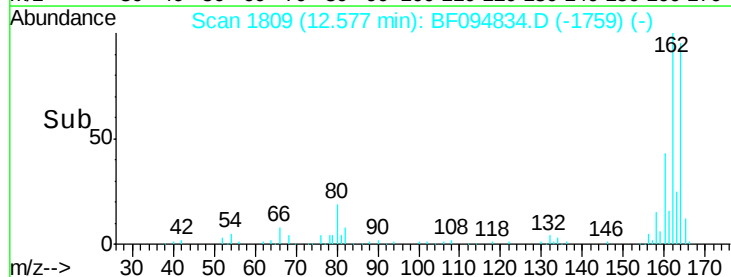
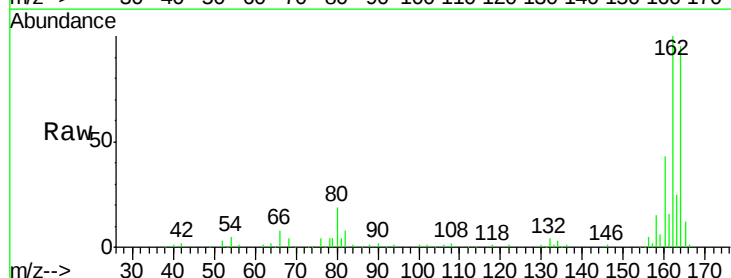
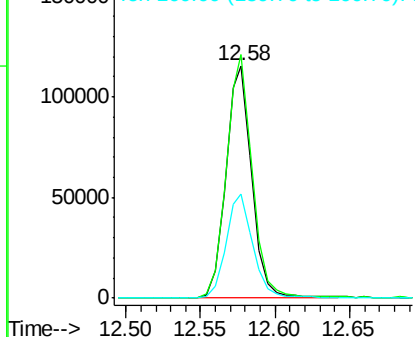
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

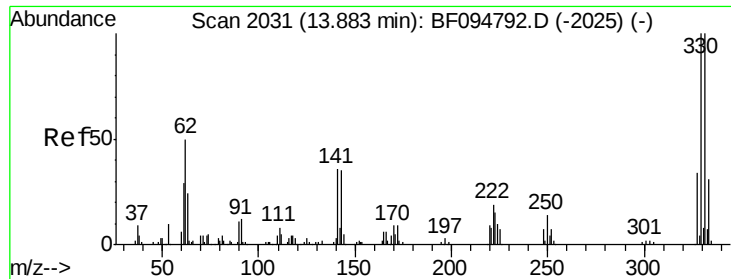


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.58 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	82.6	123.8
160	44.6	36.2	54.2

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 27.022 ng

RT: 13.87 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF094834.D

Acq: 3 May 2017 14:11

Instrument :

BNA_F

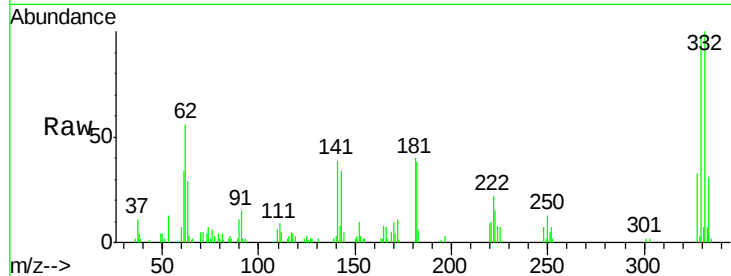
ClientSampleId :

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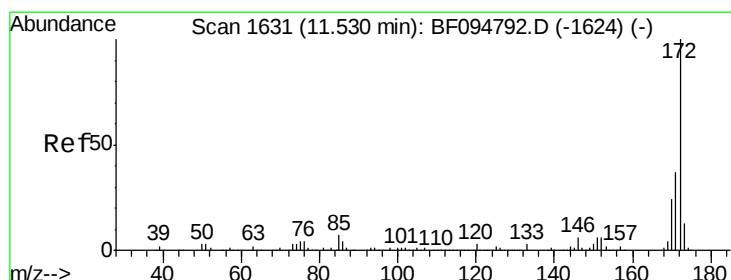
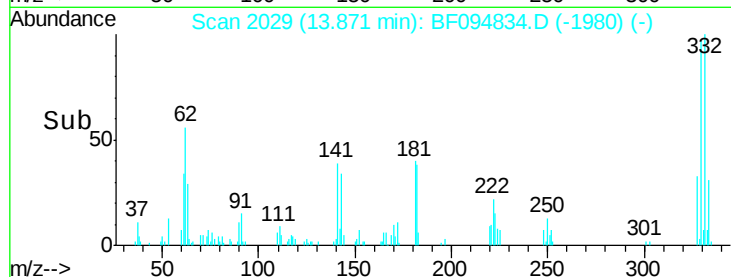
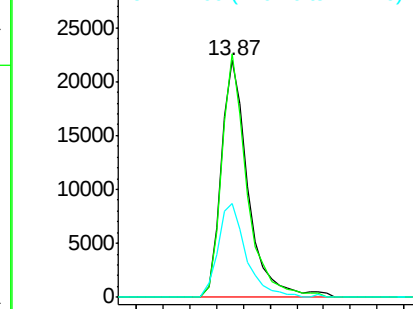
Tgt Ion:	330	Resp:	31085
Ion Ratio	Lower	Upper	
330	100		
332	96.9	76.6	115.0
141	41.2	31.4	47.2

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



#44

2-Fluorobiphenyl

Concen: 21.345 ng

RT: 11.52 min Scan# 1629

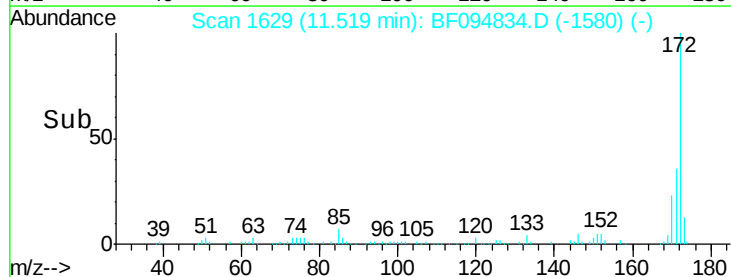
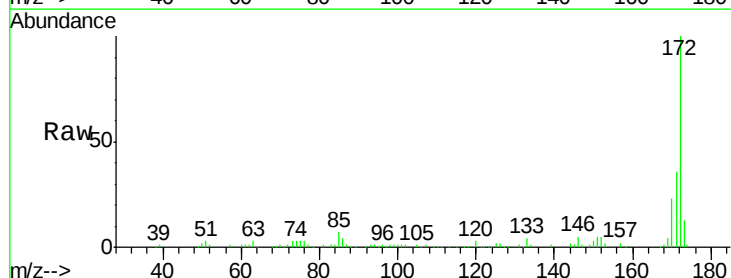
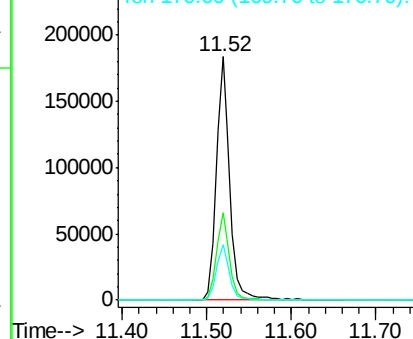
Delta R.T. -0.01 min

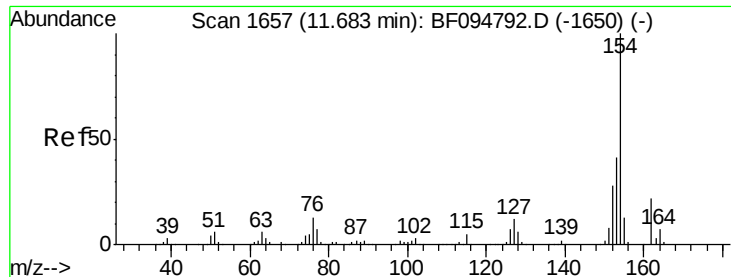
Lab File: BF094834.D

Acq: 3 May 2017 14:11

Tgt Ion:	172	Resp:	208304
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.6	44.4
170	22.7	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





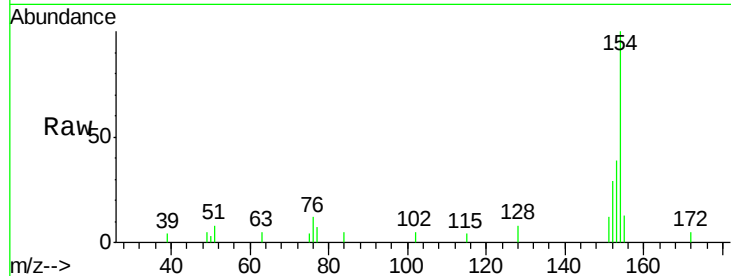
#45
 1,1'-Biphenyl
 Concen: 1.055 ng
 RT: 11.68 min Scan# 1656
 Delta R.T. -0.01 min
 Lab File: BF094834.D
 Acq: 3 May 2017 14:11

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

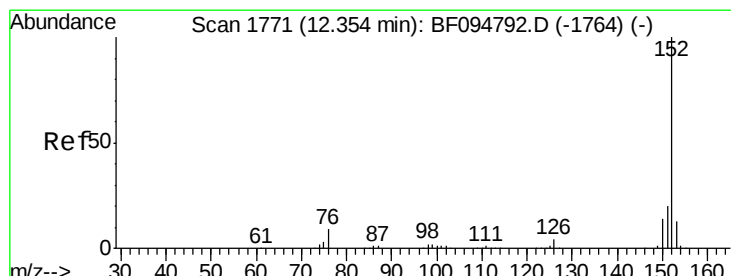
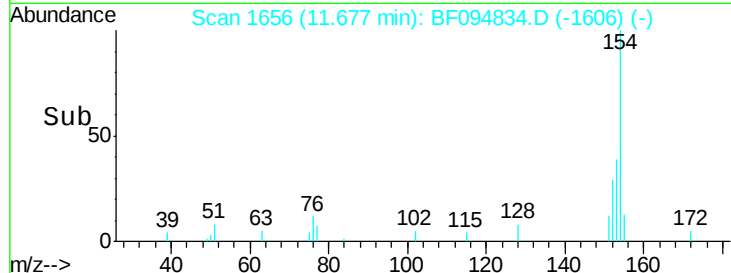
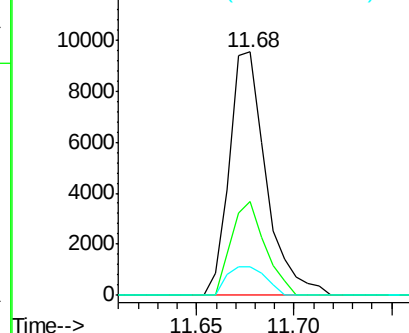
Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.6	21.2	61.2
76	11.9	0.0	29.9

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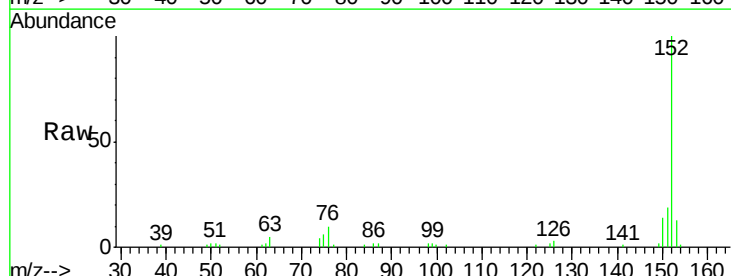


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

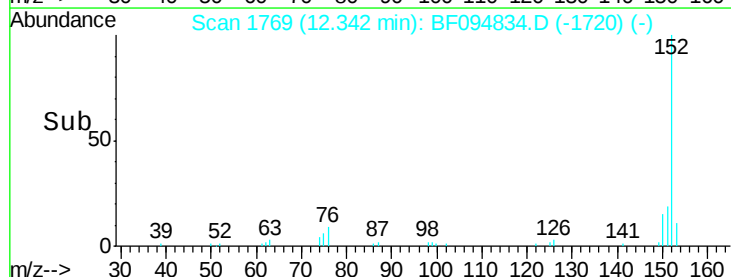
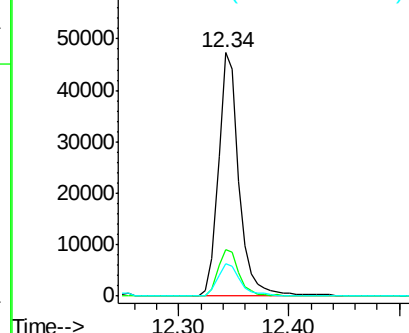


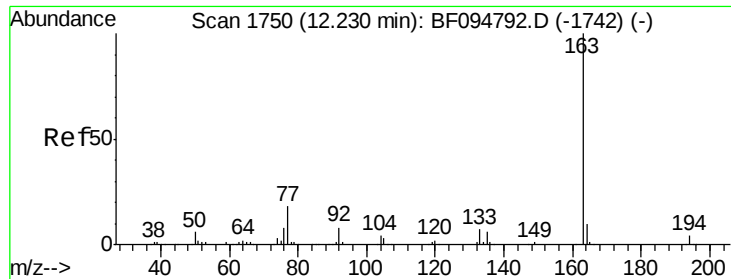
#48
 Acenaphthylene
 Concen: 4.070 ng
 RT: 12.34 min Scan# 1769
 Delta R.T. -0.01 min
 Lab File: BF094834.D
 Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.8	25.2
153	13.1	10.8	16.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





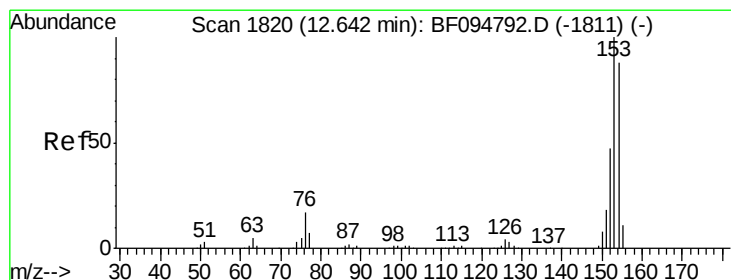
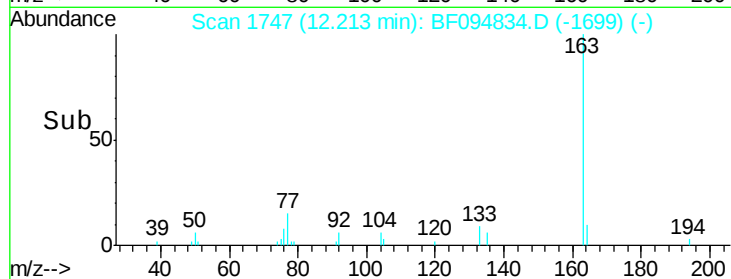
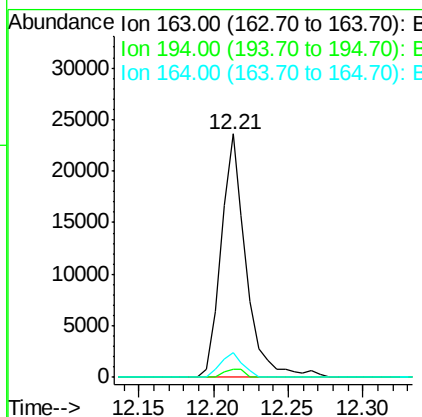
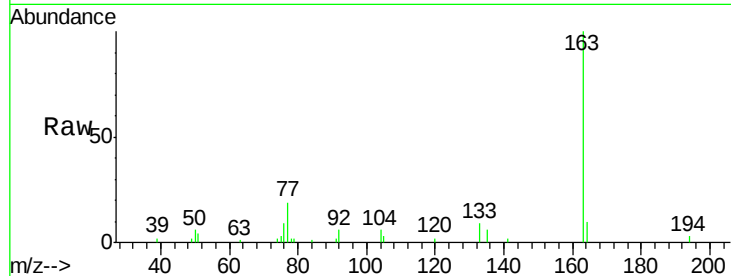
#49
Dimethylphthalate
Concen: 2.402 ng
RT: 12.21 min Scan# 1747
Delta R.T. -0.02 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	27696		
194	3.3		2.6	4.0
164	10.1		8.4	12.6

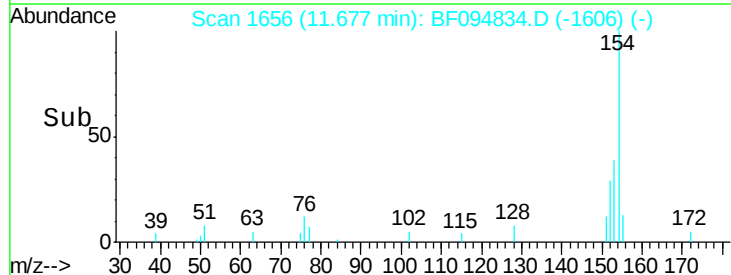
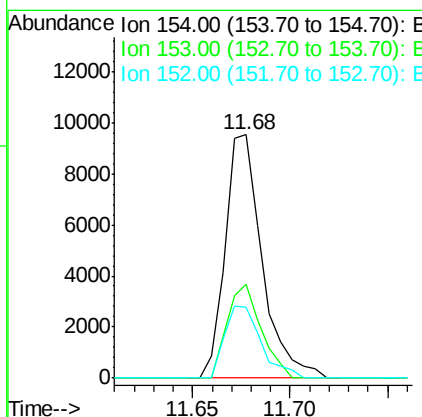
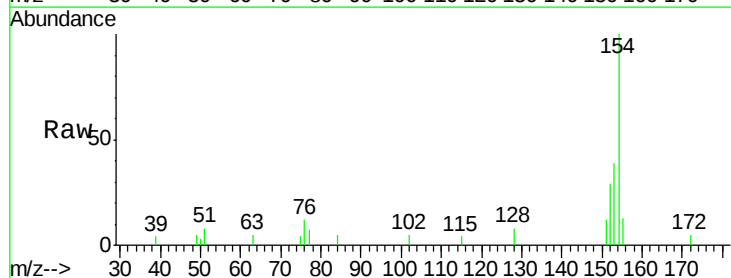
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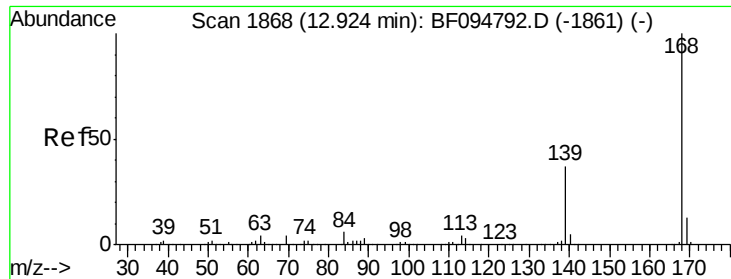
mohammad
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#51
Acenaphthene
Concen: 1.055 ng
RT: 11.68 min Scan# 1656
Delta R.T. -0.01 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	12482		
153	38.6		90.5	135.7#
152	28.8		43.6	65.4#





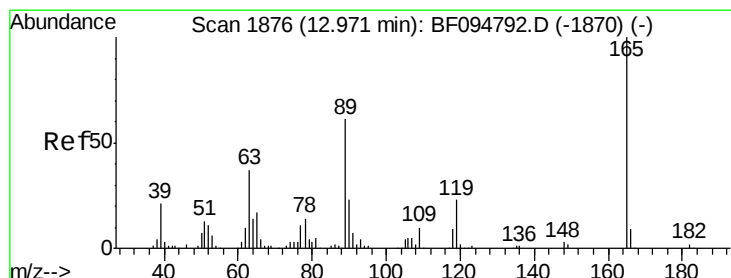
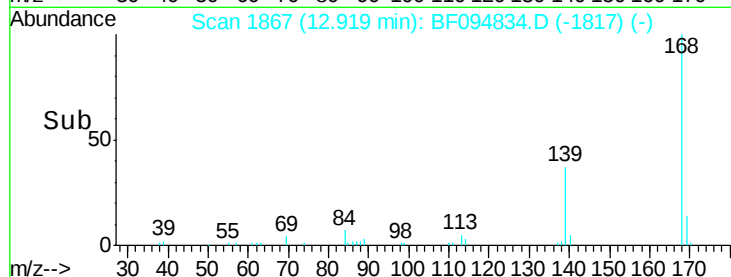
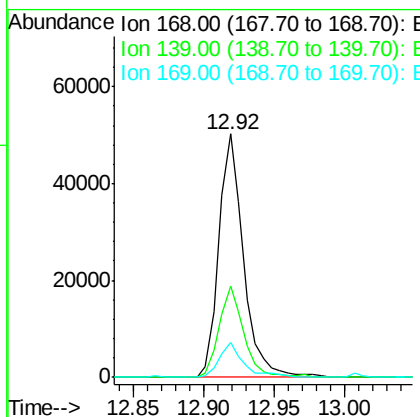
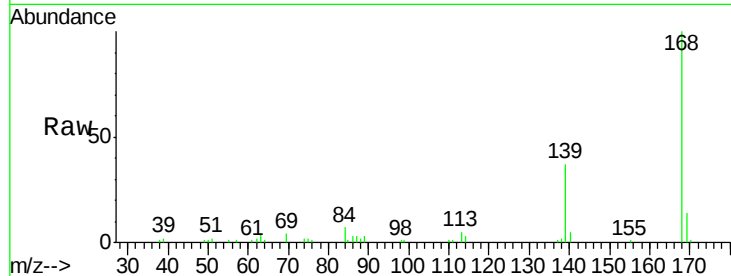
#54
Dibenzenofuran
Concen: 4.943 ng
RT: 12.92 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	61109		
139	37.2	30.6	45.8	
169	14.1	10.8	16.2	

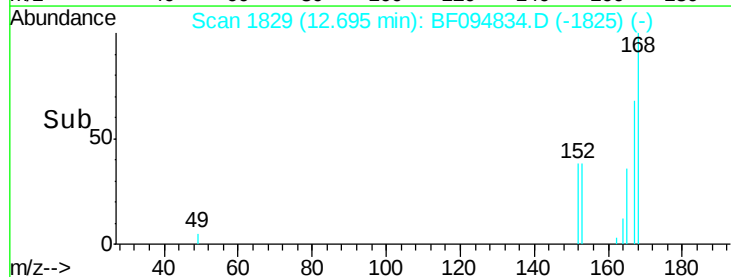
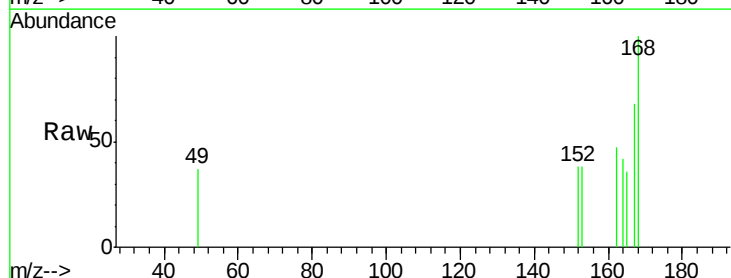
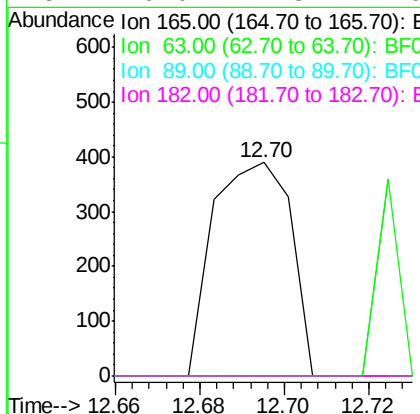
Manual Integrations
APPROVED

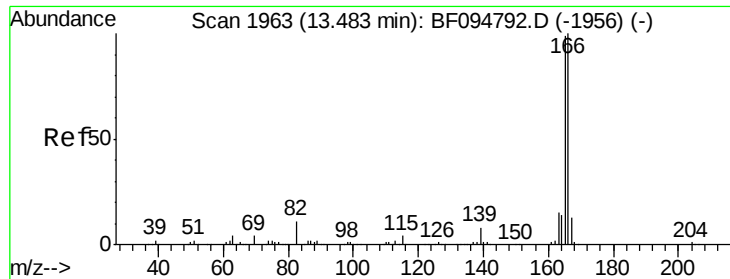
mohammad
5/4/2017 1:45:55 PM



#56
2,4-Dinitrotoluene
Concen: 0.164 ng
RT: 12.70 min Scan# 1829
Delta R.T. -0.28 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	497		
63	0.0	25.4	38.0#	
89	0.0	46.4	69.6#	
182	0.0	1.8	2.6#	





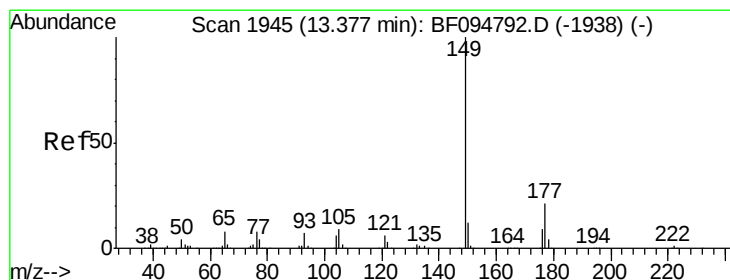
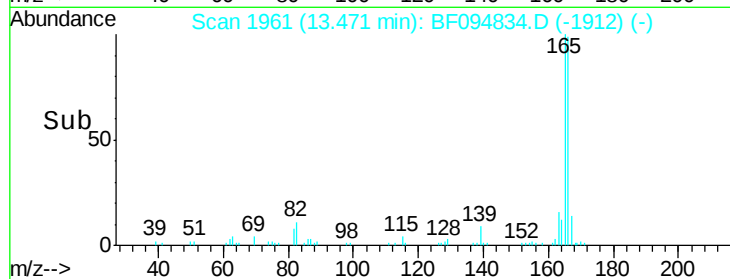
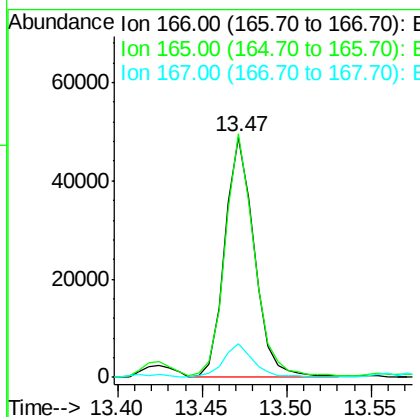
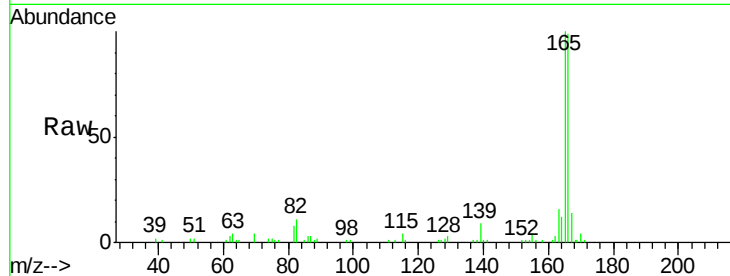
#57
 Fluorene
 Concen: 5.540 ng
 RT: 13.47 min Scan# 1961
 Delta R.T. -0.01 min
 Lab File: BF094834.D
 Acq: 3 May 2017 14:11

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

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	59553		
165	101.5	78.8	118.2	
167	13.9	10.6	16.0	

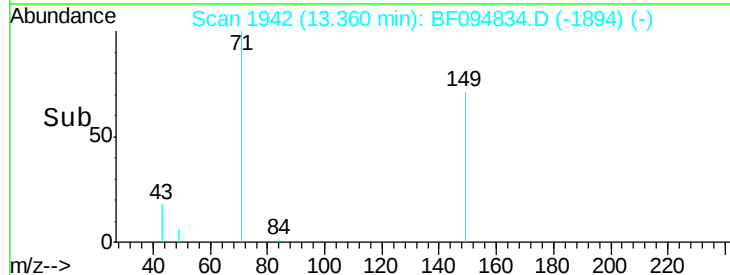
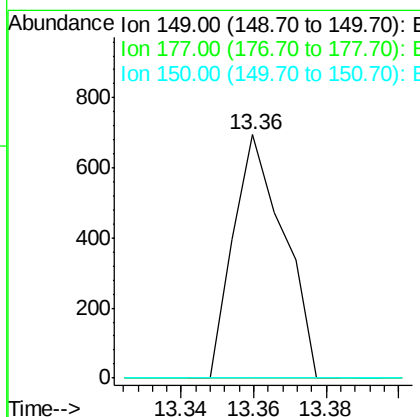
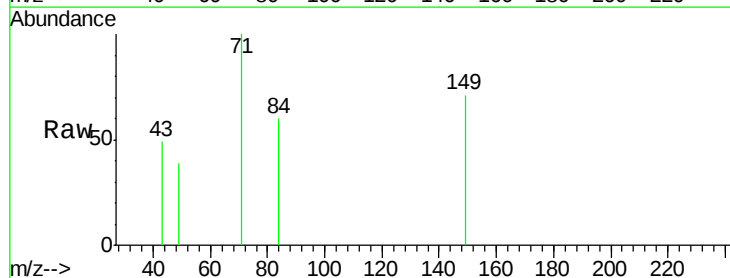
Manual Integrations
 APPROVED

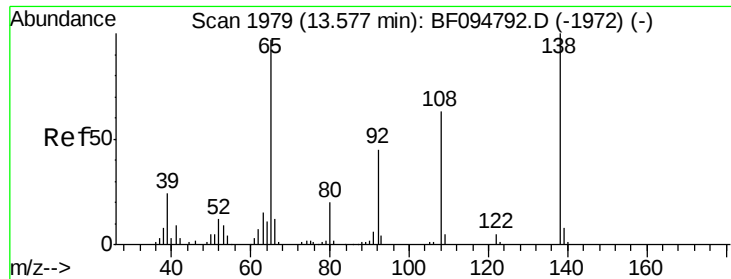
mohammad
 5/4/2017 1:45:55 PM



#59
 Diethylphthalate
 Concen: 0.061 ng
 RT: 13.36 min Scan# 1942
 Delta R.T. -0.02 min
 Lab File: BF094834.D
 Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	670		
177	0.0	16.7	25.1#	
150	0.0	10.2	15.2#	





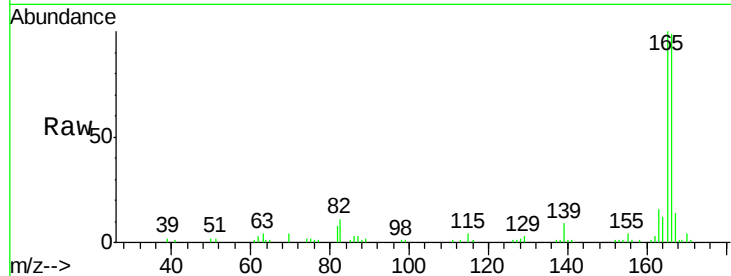
#61
4-Nitroaniline
Concen: 0.214 ng
RT: 13.47 min Scan# 1961
Delta R.T. -0.11 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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

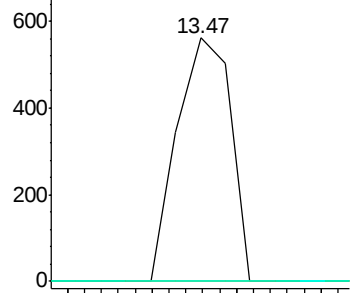
Tgt Ion	Ratio	Lower	Upper
138	100		
92	0.0	21.8	61.8#
108	0.0	42.3	82.3#

Manual Integrations
APPROVED

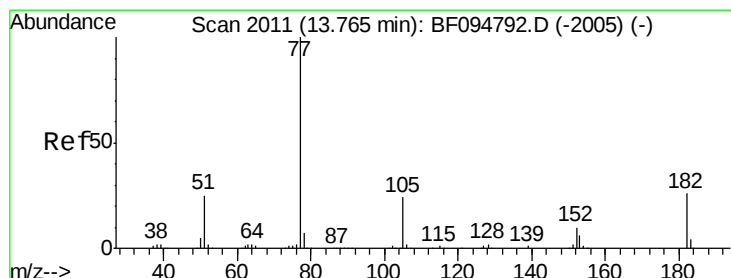
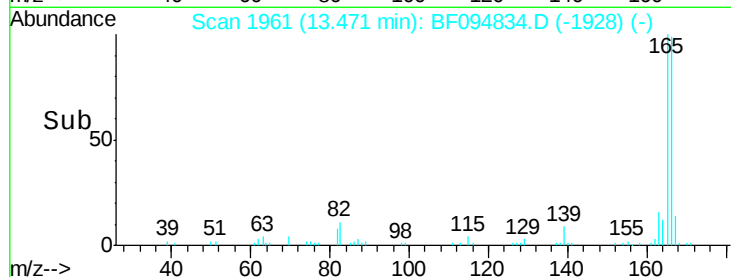
mohammad
5/4/2017 1:45:55 PM



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



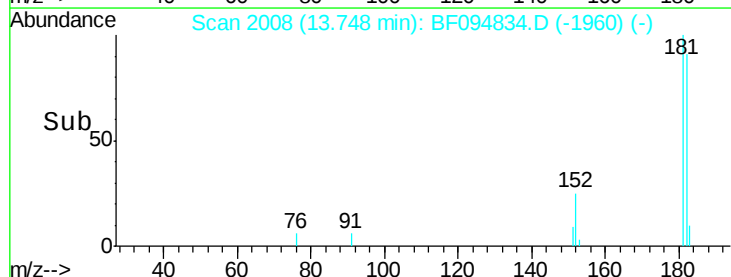
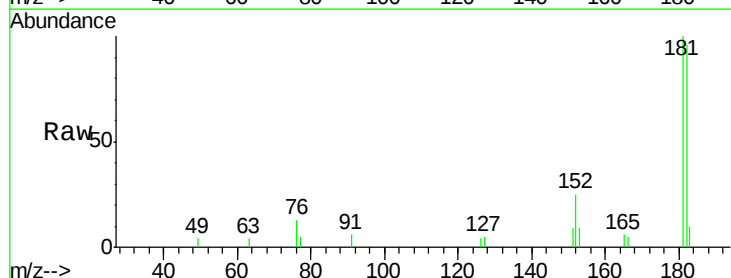
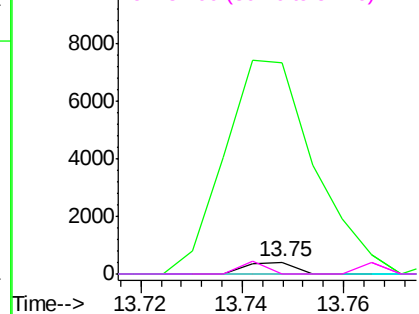
Time--> 13.44 13.46 13.48 13.50

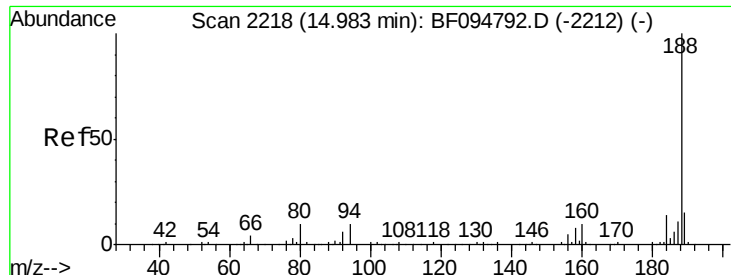


#62
Azobenzene
Concen: 0.030 ng
RT: 13.75 min Scan# 2008
Delta R.T. -0.02 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Lower	Upper
77	100		
182	1789.7	0.1	40.1#
105	0.0	3.6	43.6#
51	0.0	9.4	49.4#

Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 14.98 min Scan# 2217

Delta R.T. -0.01 min

Lab File: BF094834.D

Acq: 3 May 2017 14:11

Instrument :

BNA_F

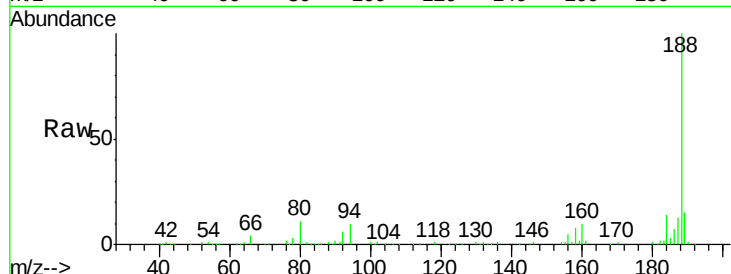
ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)DL

Tgt Ion:	188	Resp:	233179
Ion Ratio	Lower	Upper	
188	100		
94	9.6	9.4	14.2
80	10.5	10.2	15.2

Manual Integrations
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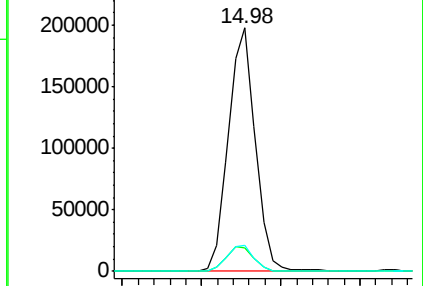
mohammad
5/4/2017 1:45:55 PM



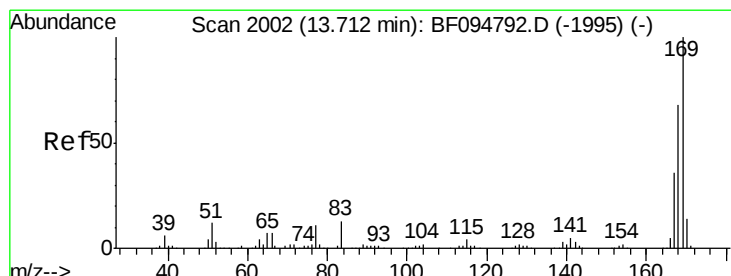
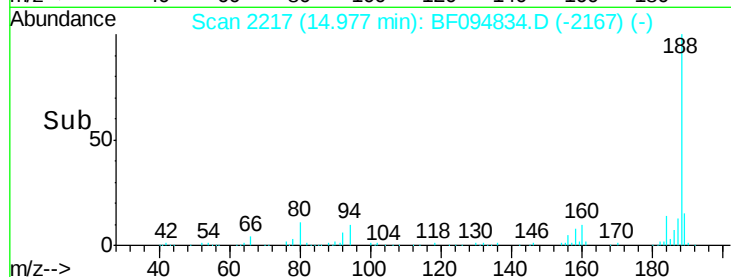
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time--> 14.90 14.95 15.00 15.05



#65

n-Nitrosodiphenylamine

Concen: 0.064 ng

RT: 13.69 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF094834.D

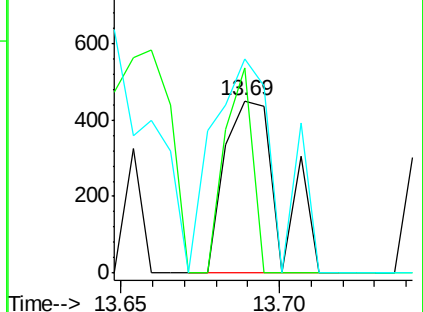
Acq: 3 May 2017 14:11

Tgt Ion:	169	Resp:	540
Ion Ratio	Lower	Upper	
169	100		
168	119.1	53.2	79.8#
167	124.2	29.5	44.3#

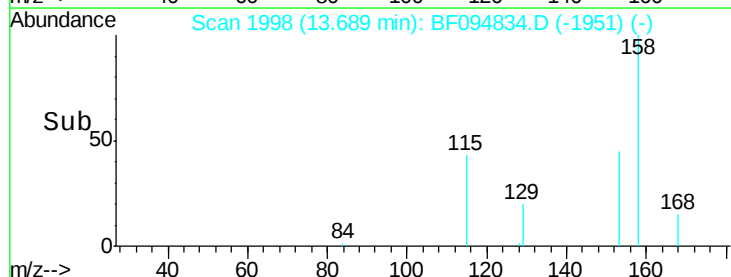
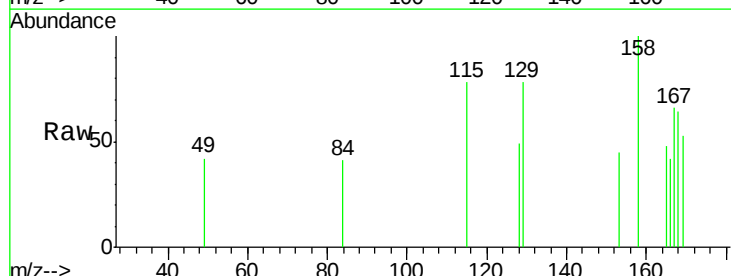
Abundance Ion 169.00 (168.70 to 169.70): E

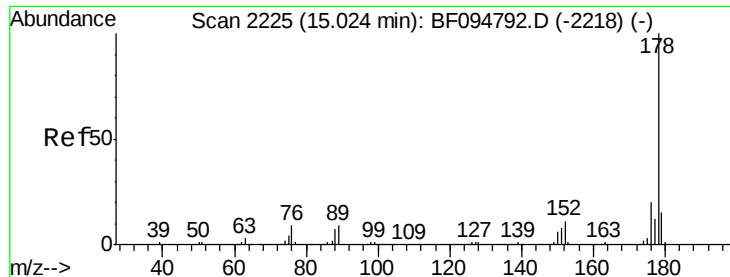
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 13.65 13.70 13.75





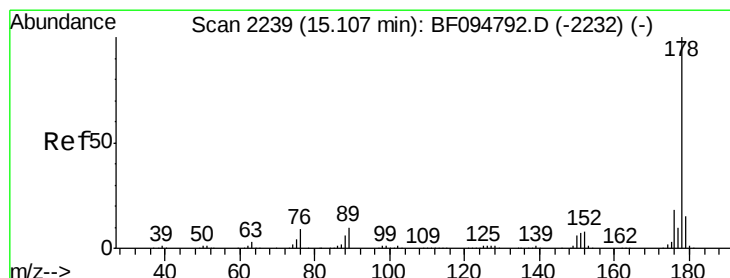
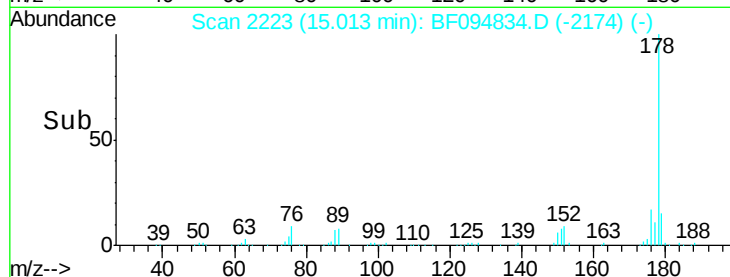
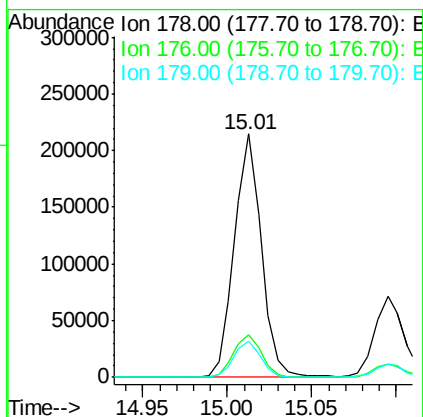
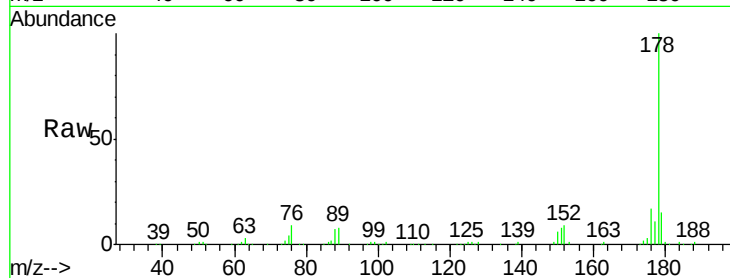
#70
Phenanthrene
Concen: 17.855 ng
RT: 15.01 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	16.2	24.4
179	15.1	12.6	19.0

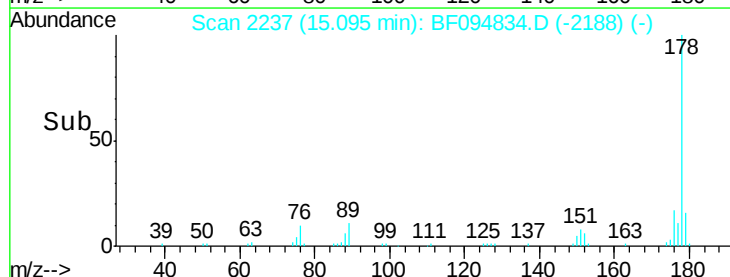
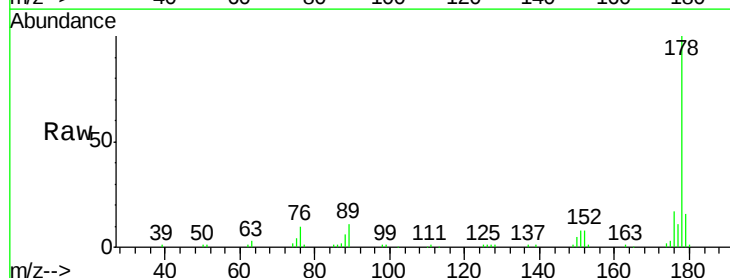
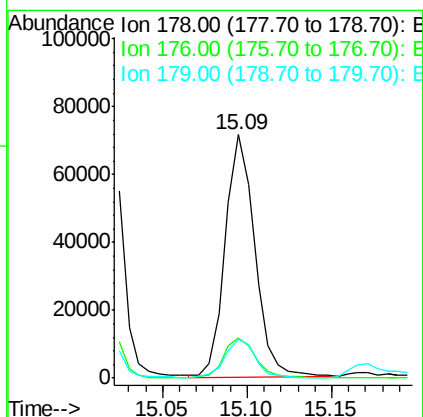
Manual Integrations
APPROVED

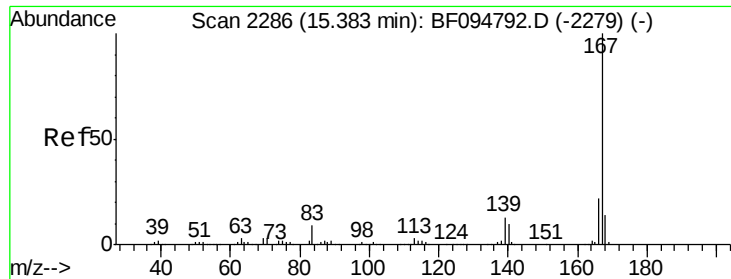
mohammad
5/4/2017 1:45:55 PM



#71
Anthracene
Concen: 6.319 ng
RT: 15.09 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.6	15.8	23.8
179	16.0	12.7	19.1





#72

Carbazole

Concen: 2.910 ng

RT: 15.38 min Scan# 2285

Delta R.T. -0.01 min

Lab File: BF094834.D

Acq: 3 May 2017 14:11

Instrument :

BNA_F

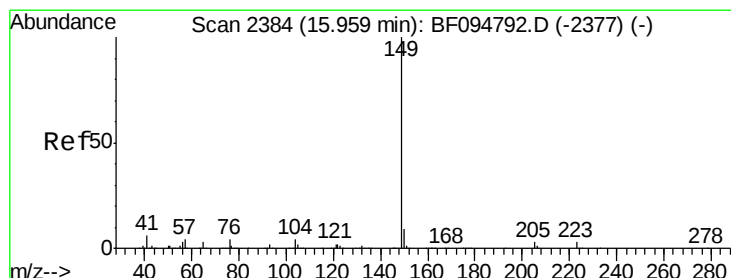
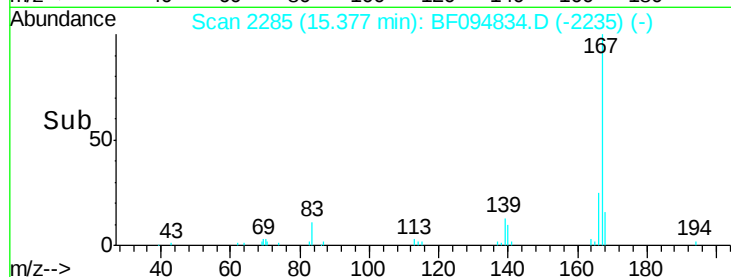
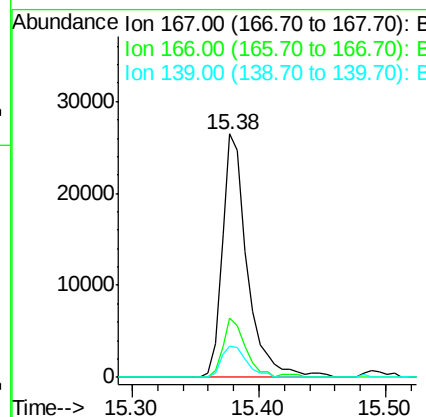
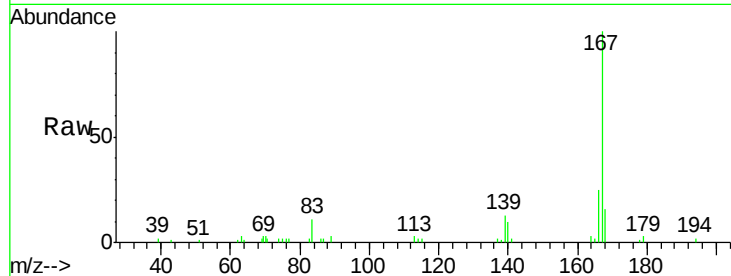
ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)DL

Tgt Ion:	167	Resp:	36238
Ion Ratio	Lower	Upper	
167	100		
166	24.5	18.1	27.1
139	12.8	11.7	17.5

Manual Integrations
APPROVED

mohammad
5/4/2017 1:45:55 PM



#73

Di-n-butylphthalate

Concen: 0.032 ng

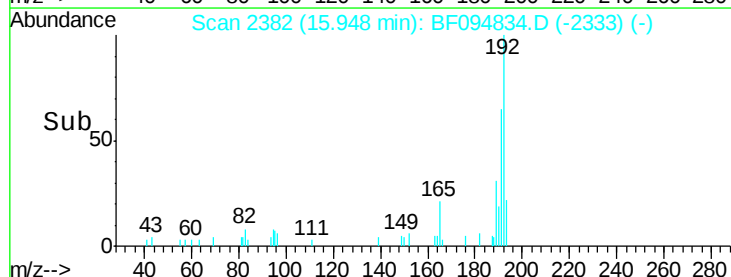
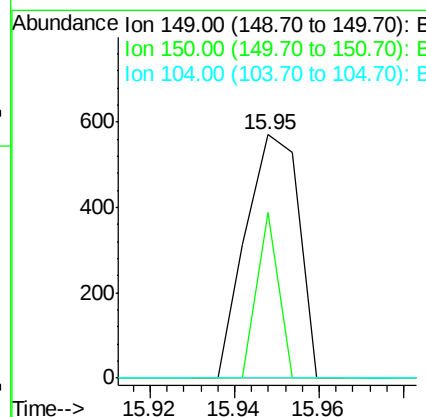
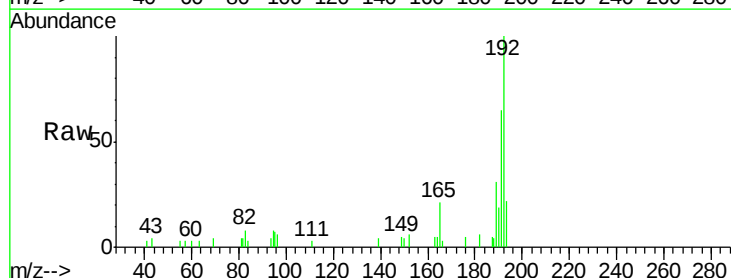
RT: 15.95 min Scan# 2382

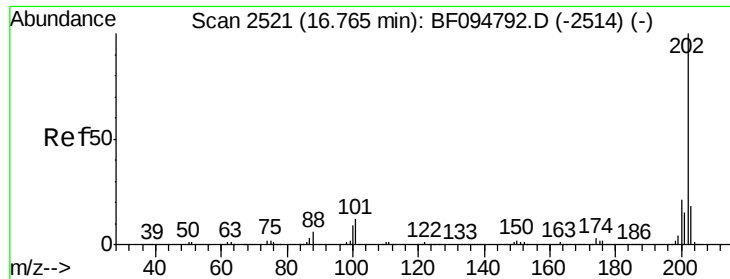
Delta R.T. -0.01 min

Lab File: BF094834.D

Acq: 3 May 2017 14:11

Tgt Ion:	149	Resp:	498
Ion Ratio	Lower	Upper	
149	100		
150	67.8	7.7	11.5#
104	0.0	4.0	6.0#





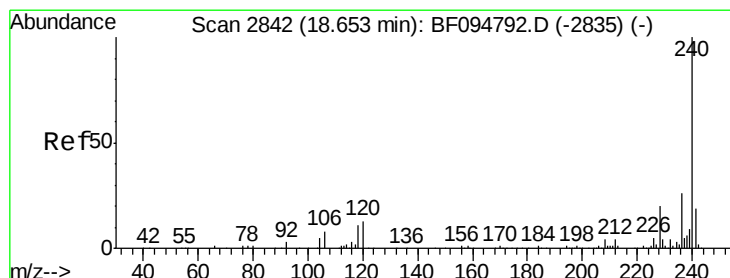
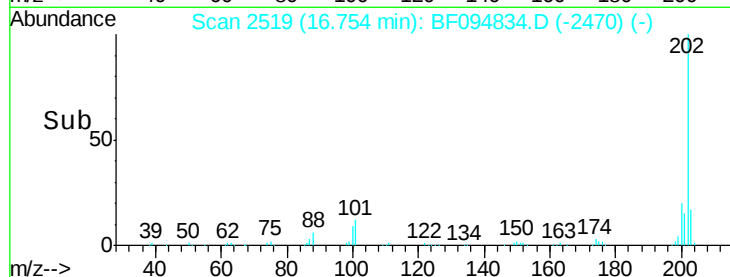
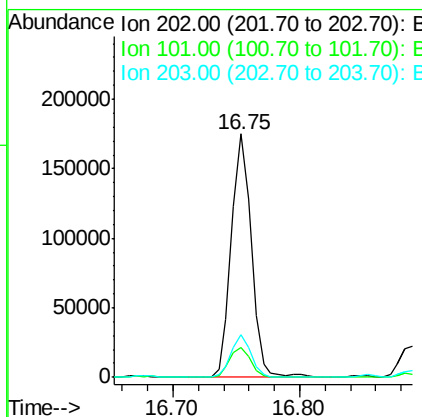
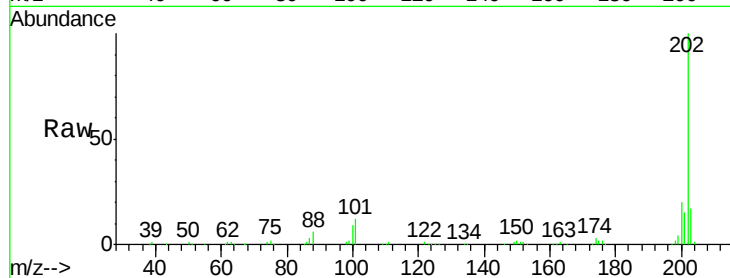
#74
 Fluoranthene
 Concen: 13.946 ng
 RT: 16.75 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BF094834.D
 Acq: 3 May 2017 14:11

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.5	0.0	33.2
203	17.4	0.0	38.1

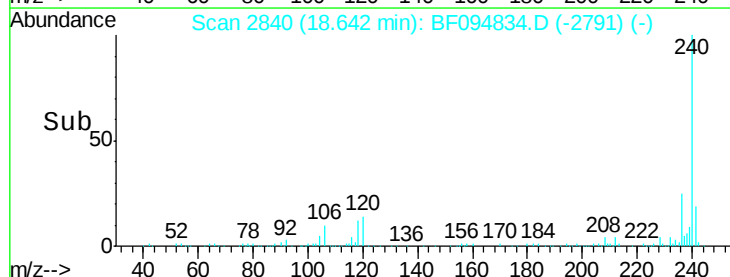
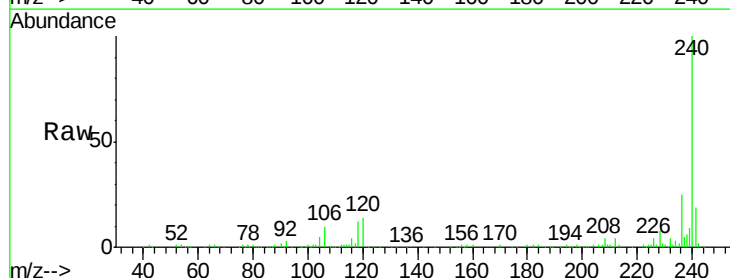
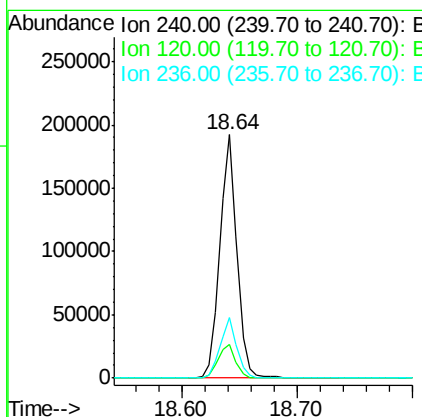
Manual Integrations
 APPROVED

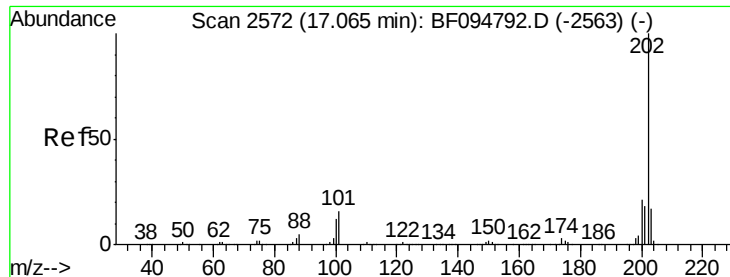
mohammad
 5/4/2017 1:45:55 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 18.64 min Scan# 2840
 Delta R.T. -0.01 min
 Lab File: BF094834.D
 Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.9	5.8	8.8#
236	24.8	20.5	30.7





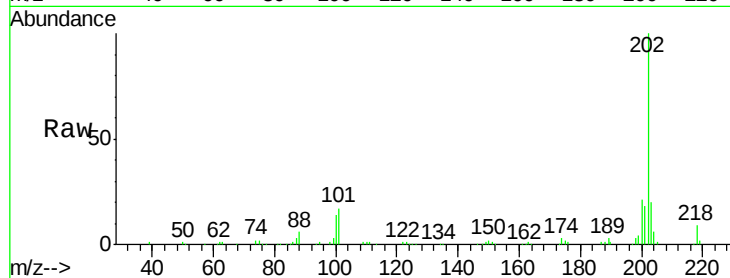
#77
 Pyrene
 Concen: 11.884 ng
 RT: 17.05 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BF094834.D
 Acq: 3 May 2017 14:11

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

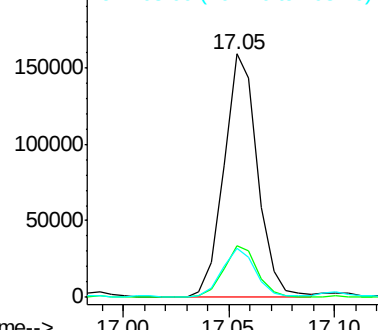
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	175160		
200	21.0		17.6	26.4
203	20.0		14.4	21.6

Manual Integrations
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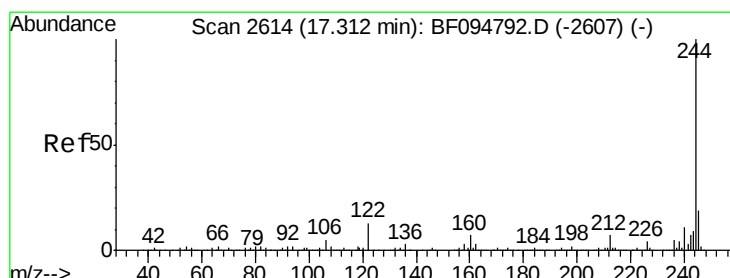
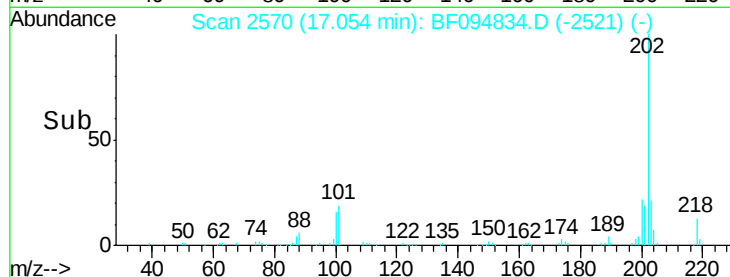
mohammad
 5/4/2017 1:45:55 PM



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



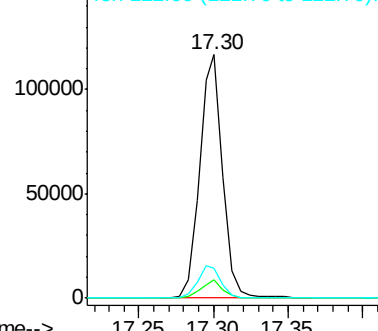
Time-->



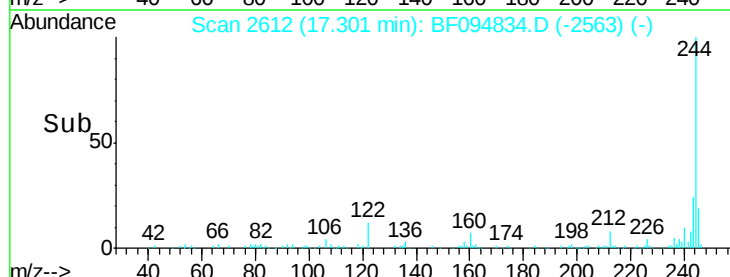
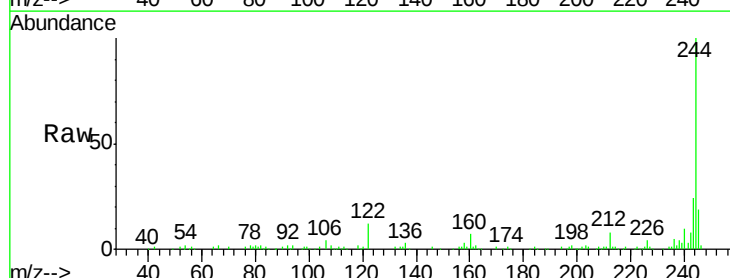
#78
 Terphenyl-d14
 Concen: 14.071 ng
 RT: 17.30 min Scan# 2612
 Delta R.T. -0.01 min
 Lab File: BF094834.D
 Acq: 3 May 2017 14:11

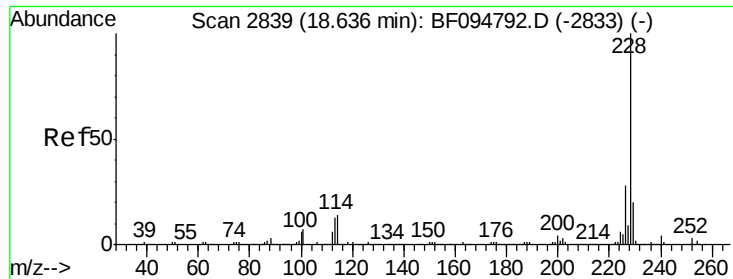
Tgt Ion	Ratio	Resp	Lower	Upper
244	100	125894		
212	7.7		6.0	9.0
122	12.3		10.3	15.5

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



Time-->





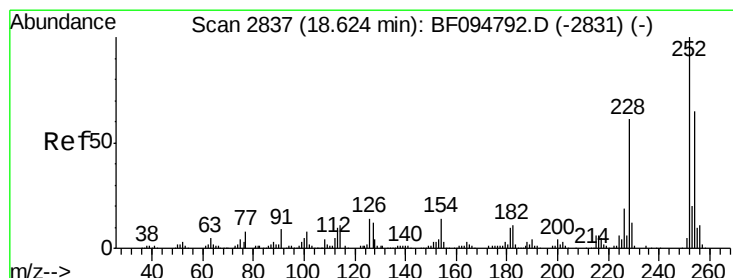
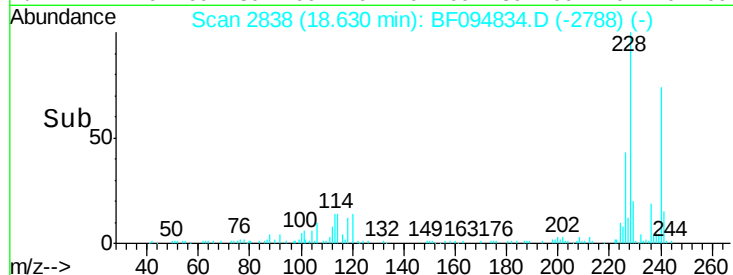
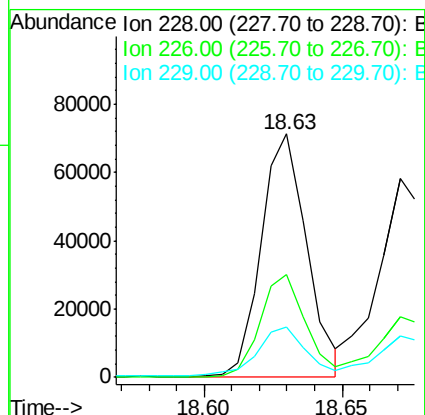
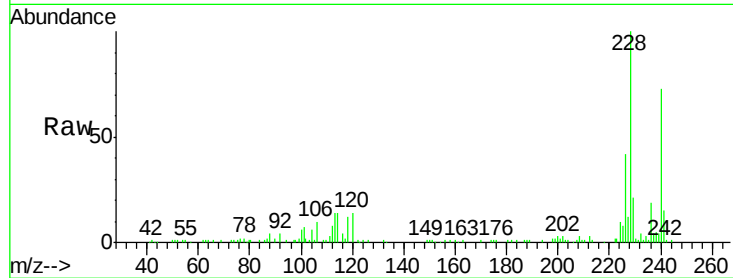
#80
Benzo(a)anthracene
Concen: 7.202 ng m
RT: 18.63 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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

Tgt Ion:228 Resp: 82602
Ion Ratio Lower Upper
228 100
226 42.5 22.6 33.8#
229 20.6 16.3 24.5

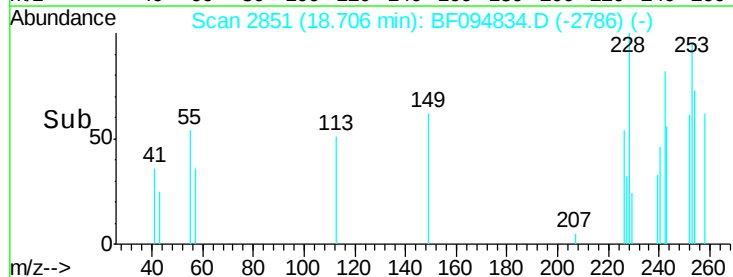
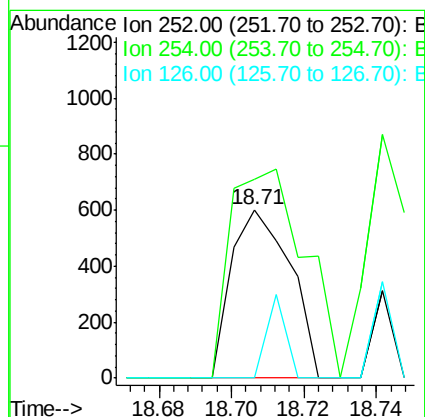
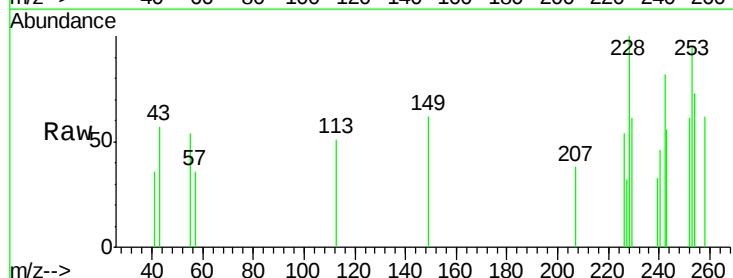
Manual Integrations
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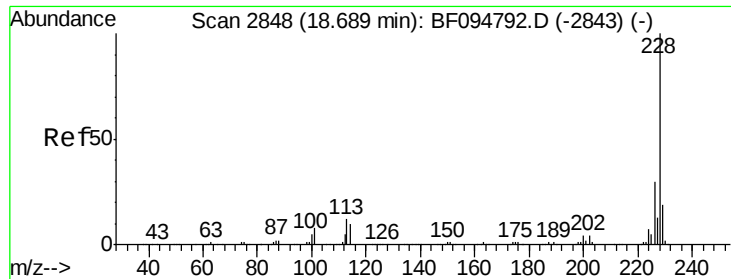
mohammad
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#81
3,3'-Dichlorobenzidine
Concen: 0.171 ng
RT: 18.71 min Scan# 2851
Delta R.T. 0.08 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

Tgt Ion:252 Resp: 678
Ion Ratio Lower Upper
252 100
254 118.5 51.5 77.3#
126 0.0 15.8 23.8#





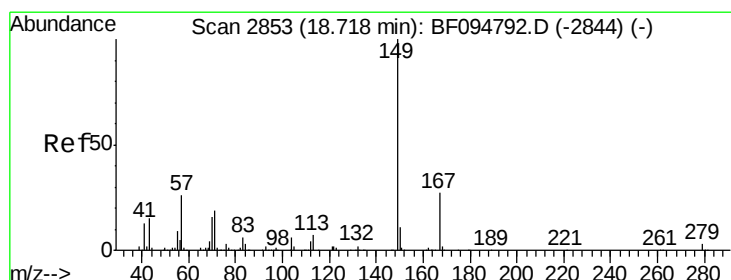
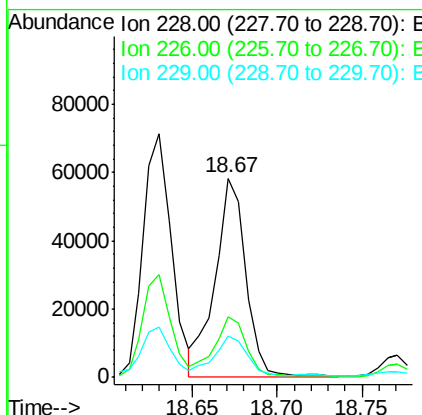
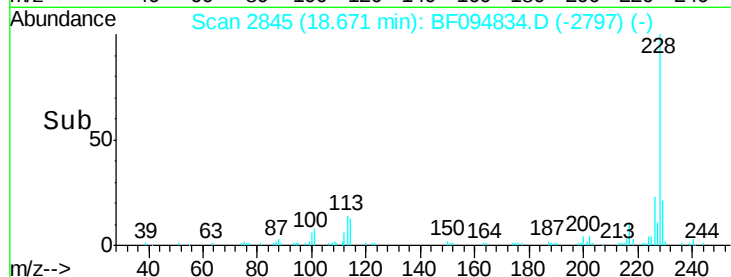
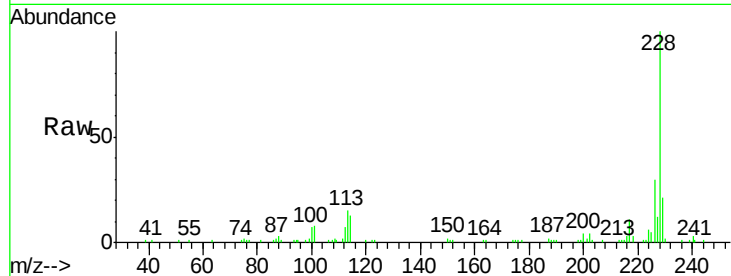
#82
Chrysene
Concen: 6.780 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	75193		
226	30.4		24.9	37.3
229	21.1		15.8	23.6

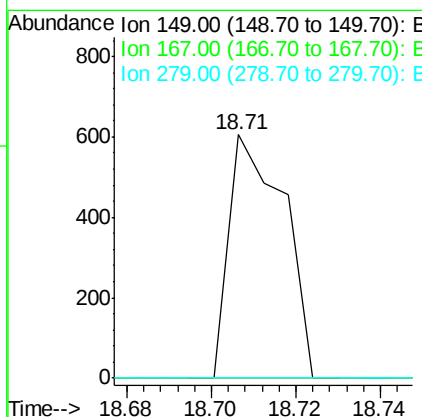
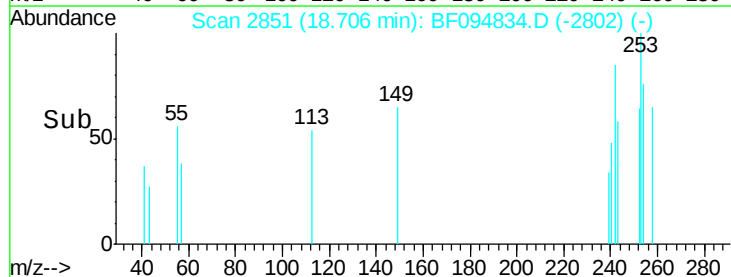
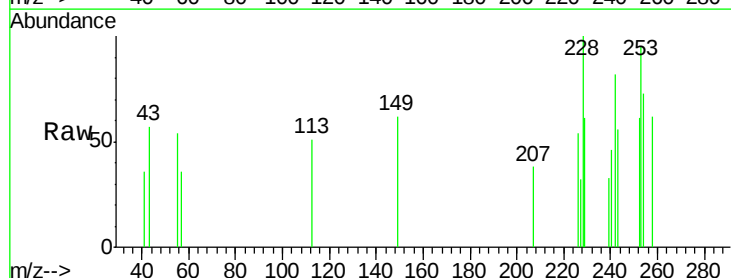
Manual Integrations
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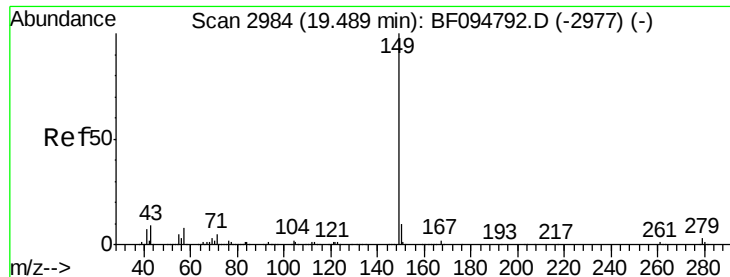
mohammad
5/4/2017 1:45:55 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 0.056 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	545		
167	0.0		21.0	31.4#
279	0.0		1.9	2.9#





#84

Di-n-octyl phthalate

Concen: 0.014 ng

RT: 19.48 min Scan# 2982

Delta R.T. -0.01 min

Lab File: BF094834.D

Acq: 3 May 2017 14:11

Instrument :

BNA_F

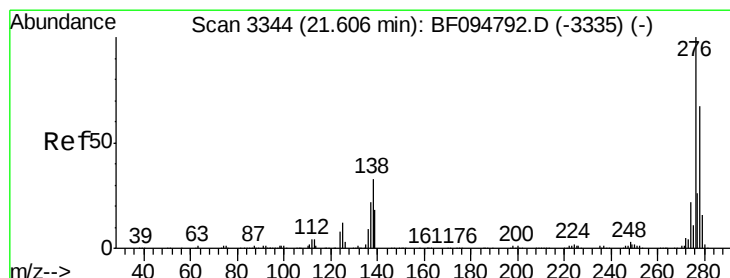
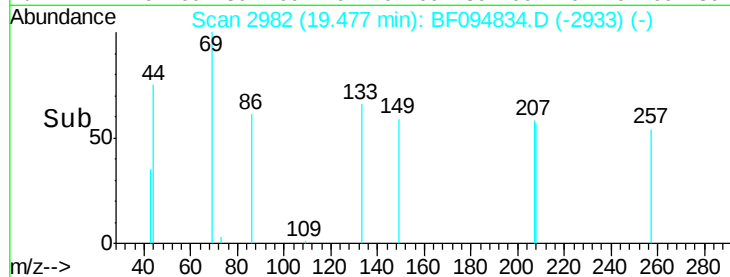
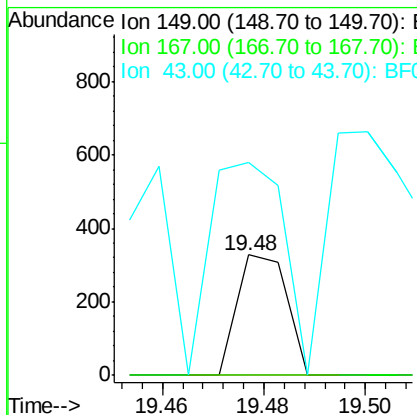
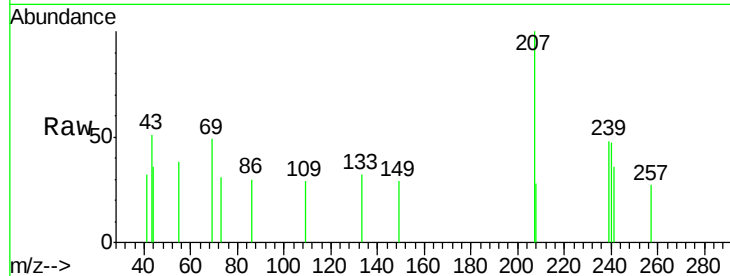
ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)DL

Tgt Ion:	149	Resp:	224
Ion Ratio	Lower	Upper	
149	100		
167	0.0	1.2	1.8#
43	260.7	8.5	12.7#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.420 ng

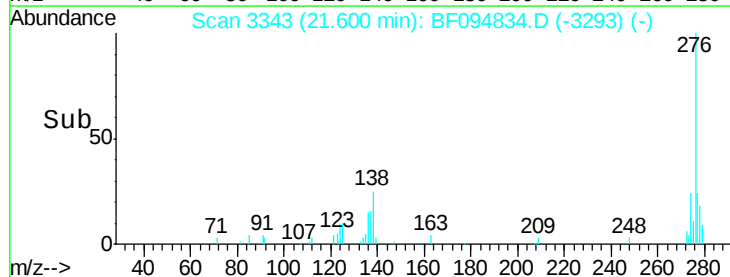
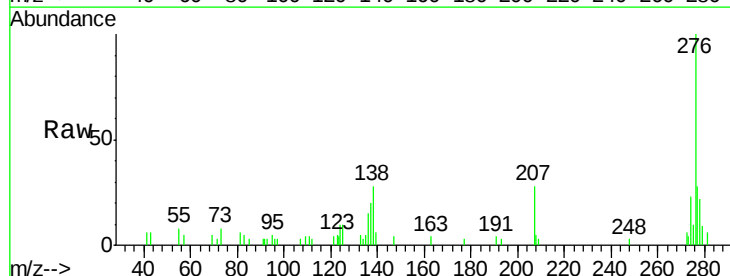
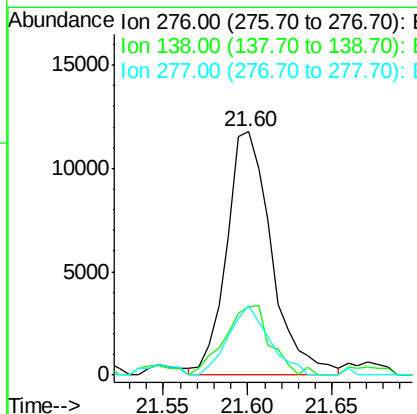
RT: 21.60 min Scan# 3343

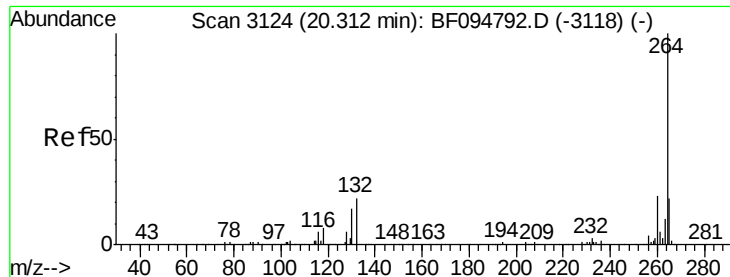
Delta R.T. -0.01 min

Lab File: BF094834.D

Acq: 3 May 2017 14:11

Tgt Ion:	276	Resp:	21791
Ion Ratio	Lower	Upper	
276	100		
138	28.9	27.8	41.6
277	25.8	20.2	30.4





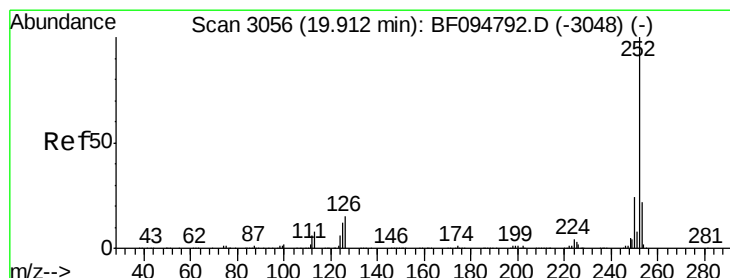
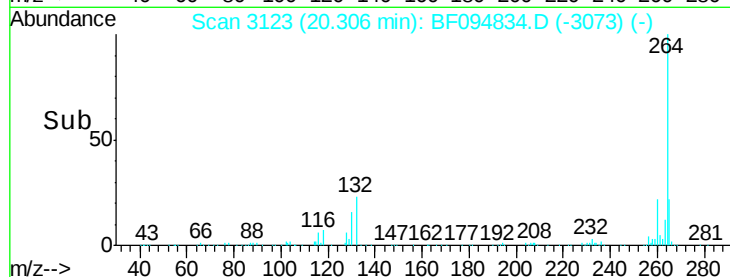
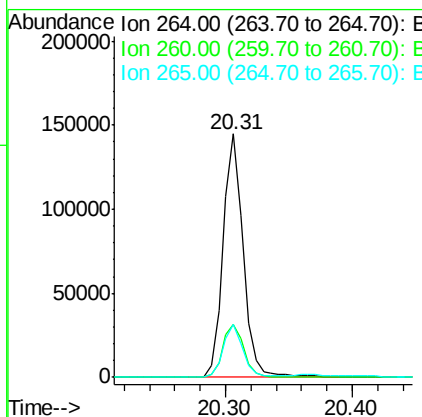
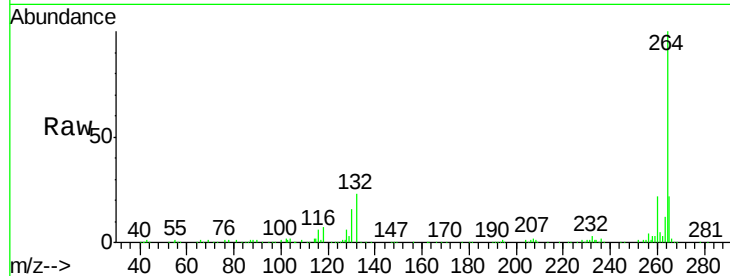
#86
Perylene-d12
Concen: 20.000 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	159567		
260	21.7	19.5	29.3	
265	21.6	17.2	25.8	

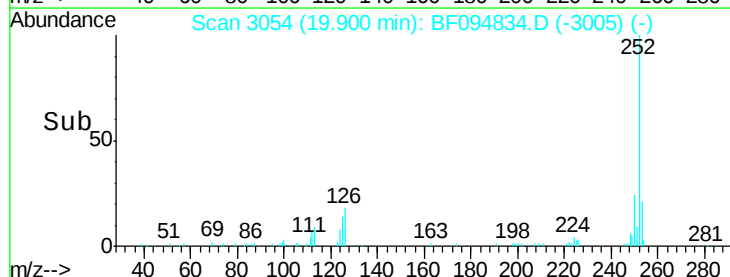
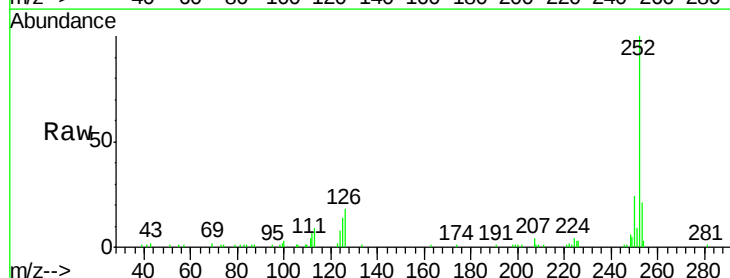
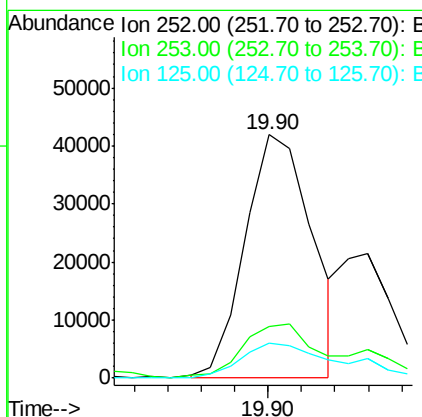
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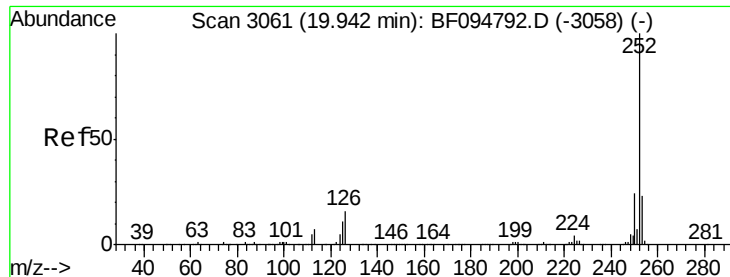
mohammad
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#87
Benzo(b)fluoranthene
Concen: 5.948 ng m
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	58646		
253	21.3	18.1	27.1	
125	14.3	9.8	14.8	





#88

Benzo(k)fluoranthene

Concen: 2.536 ng m

RT: 19.93 min Scan# 3059

Delta R.T. -0.01 min

Lab File: BF094834.D

Acq: 3 May 2017 14:11

Instrument :

BNA_F

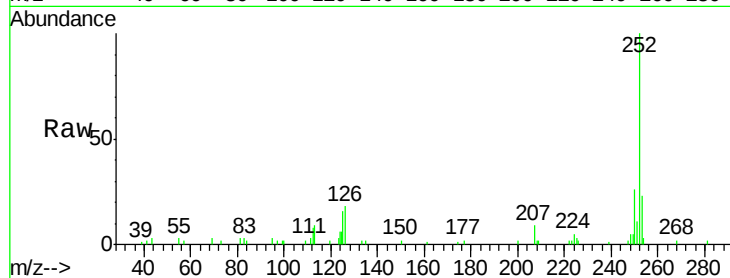
ClientSampleId :

6TH-ST-SOIL-CUTTINGS(COMP)DL

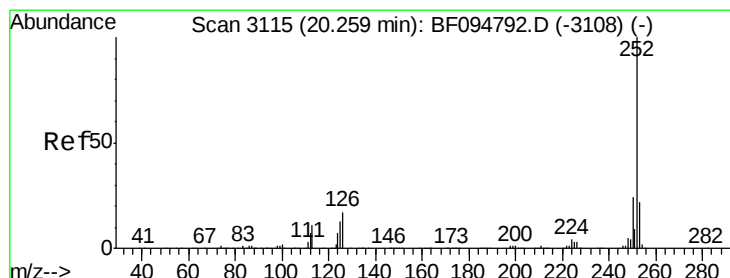
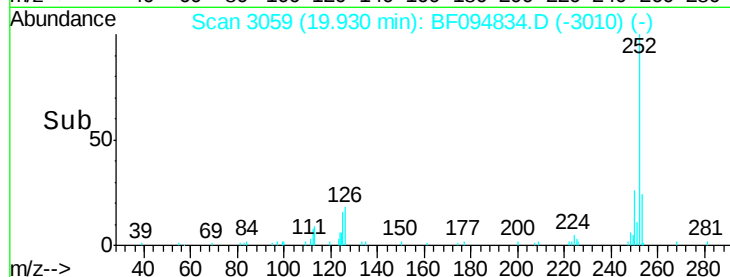
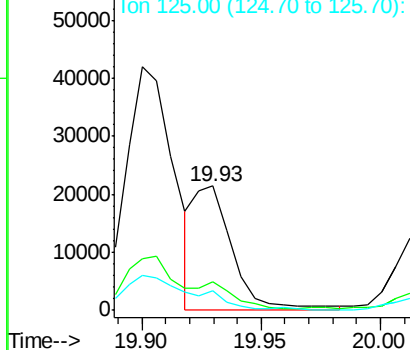
Tgt Ion:	252	Resp:	24121
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.4	27.6
125	15.8	13.1	19.7

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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



#89

Benzo(a)pyrene

Concen: 5.966 ng

RT: 20.25 min Scan# 3113

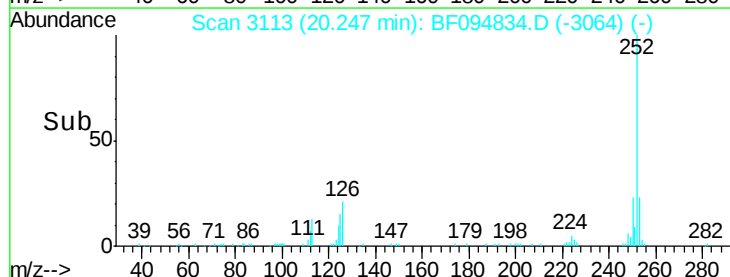
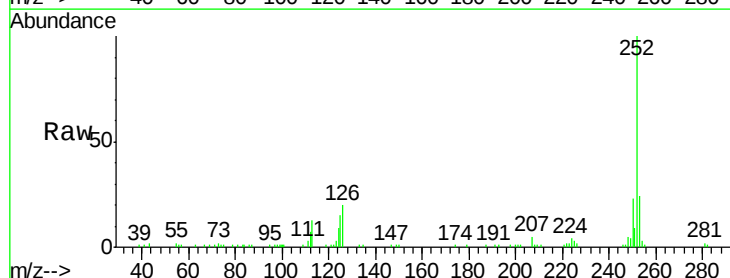
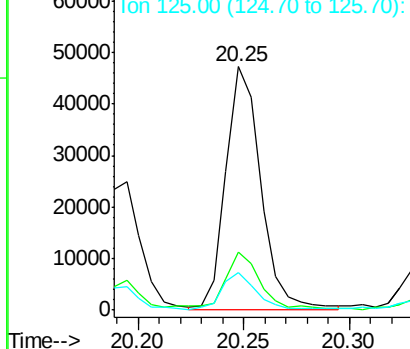
Delta R.T. -0.01 min

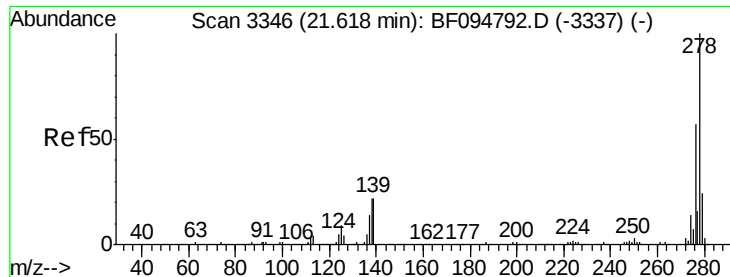
Lab File: BF094834.D

Acq: 3 May 2017 14:11

Tgt Ion:	252	Resp:	54276
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.5	26.3
125	15.3	11.0	16.4

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





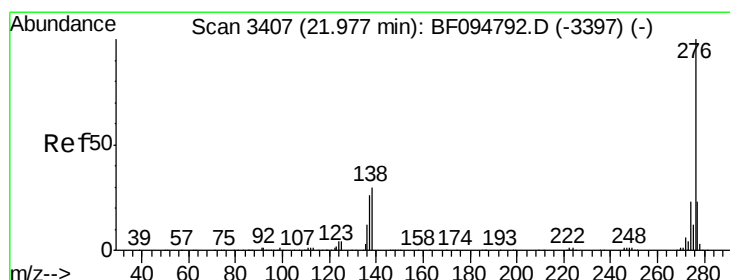
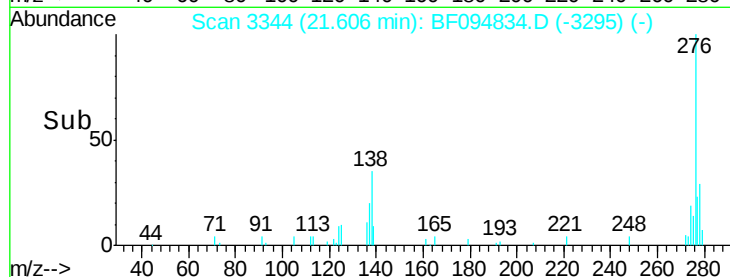
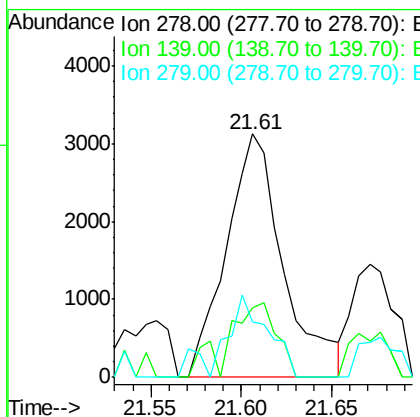
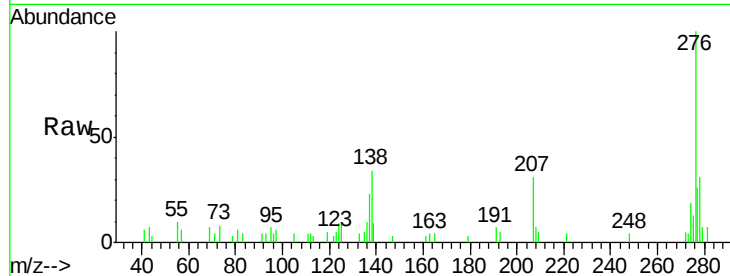
#90
Dibenzo(a,h)anthracene
Concen: 0.908 ng
RT: 21.61 min Scan# 3344
Delta R.T. -0.01 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

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

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.4	16.6	24.8
279	23.0	19.3	28.9

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.876 ng
RT: 21.98 min Scan# 3407
Delta R.T. 0.00 min
Lab File: BF094834.D
Acq: 3 May 2017 14:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	29.1	25.4	38.0

