

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110916\
 Data File : BE092520.D
 Acq On : 9 Nov 2016 11:55
 Operator : UM/SJ
 Sample : H5524-15 50X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BNA-SOIL

Manual Integrations
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Quant Time: Nov 09 12:40:58 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE110816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 08 16:27:22 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	7553	5.00	ng	-0.02
7) Naphthalene-d8	10.93	136	35094	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	24645	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	54010	5.00	ng	0.00
24) Chrysene-d12	21.72	240	78130	5.00	ng	0.00
31) Perylene-d12	24.09	264	69525	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	3895	2.34	ng	-0.01
5) Phenol-d6	7.31	99	5822	2.62	ng	-0.02
8) Nitrobenzene-d5	9.32	82	3968	1.72	ng	-0.02
13) 2,4,6-Tribromophenol	16.30	330	1479	1.86	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	10755	1.76	ng	-0.01
26) Terphenyl-d14	20.16	244	17925	1.89	ng	-0.02
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.57	93	6282	2.58	ng	87
9) Naphthalene	10.97	128	17731	2.34	ng	# 96
10) Hexachlorobutadiene	11.26	225	3320	2.88	ng	99
11) 2-Methylnaphthalene	12.61	142	9539	1.93	ng	94
15) Acenaphthylene	14.51	152	79873	2.26	ng	100
16) Acenaphthene	14.87	154	9461	1.66	ng	92
17) Fluorene	15.84	166	13568	1.89	ng	99
19) Hexachlorobenzene	16.87	284	2311m	1.13	ng	
21) Phenanthrene	17.58	178	42940	3.68	ng	# 78
22) Anthracene	17.70	178	30617	2.70	ng	# 77
23) Fluoranthene	19.59	202	163092	2.78	ng	99
25) Pyrene	19.95	202	118886	1.86	ng	99
27) Benzo(a)anthracene	21.70	228	49910m	0.63	ng	
28) Chrysene	21.77	228	80410m	1.15	ng	
29) Bis(2-ethylhexyl)phthalate	21.63	149	28905	4.17	ng	# 72
30) Indeno(1,2,3-cd)pyrene	26.56	276	105790	1.22	ng	95
32) Benzo(b)fluoranthene	23.36	252	35303	1.85	ng	# 97
35) Dibenzo(a,h)anthracene	26.58	278	32867	1.94	ng	97
36) Benzo(a,h,i)perylene	27.33	276	64739	0.93	ng	98

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

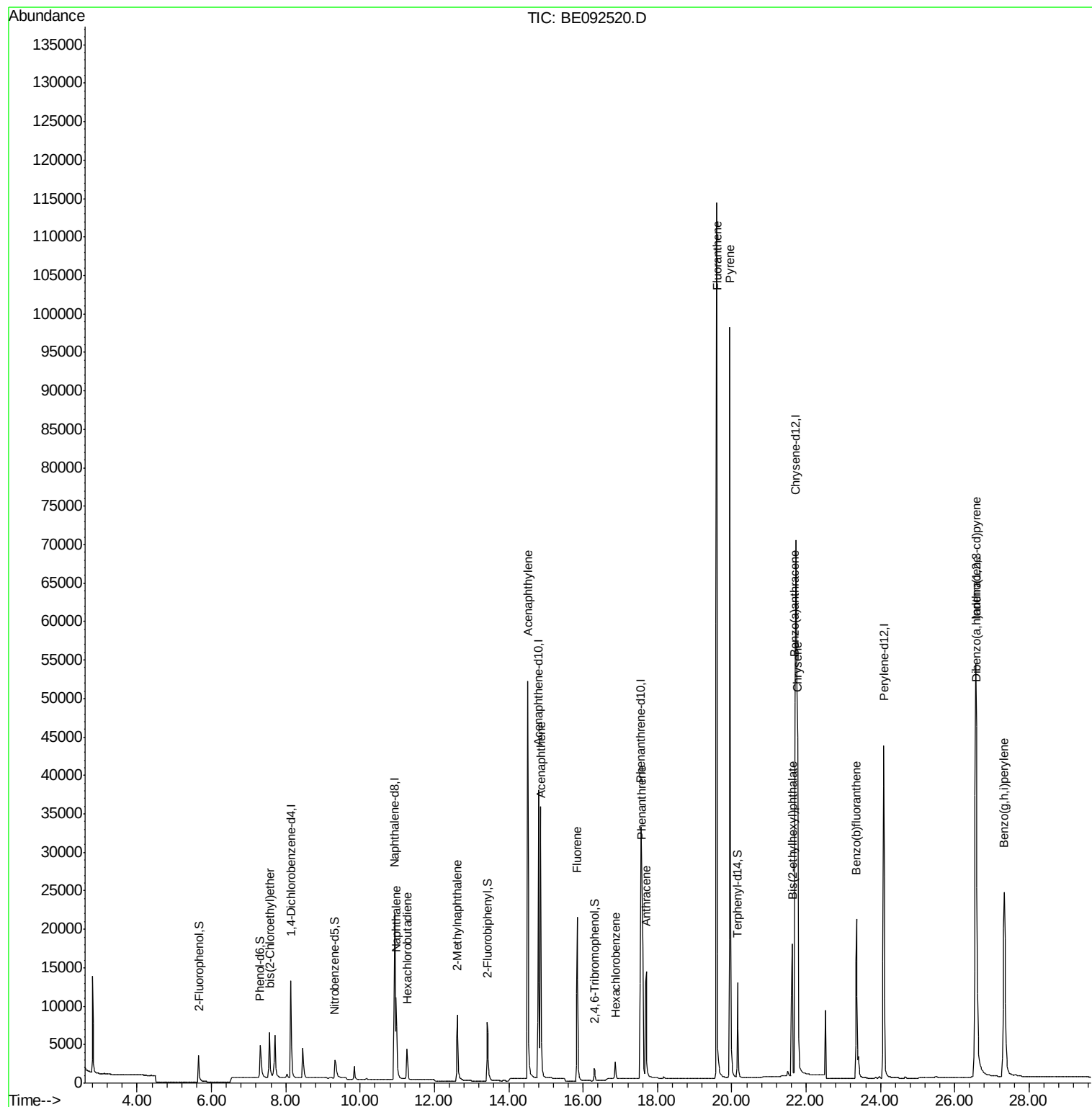
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110916\
Data File : BE092520.D
Acq On : 9 Nov 2016 11:55
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Sample : H5524-15 50X
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ALS Vial : 3 Sample Multiplier: 1

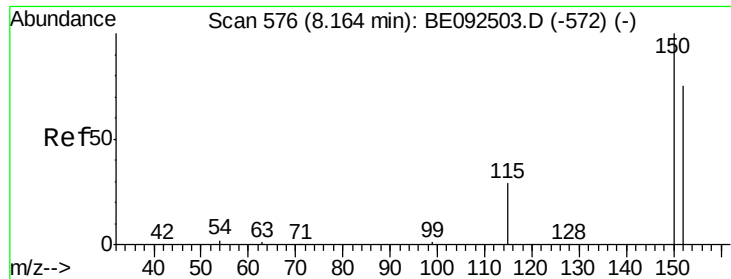
Instrument :
BNA_E
ClientSampled :
PT-BNA-SOIL

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#1

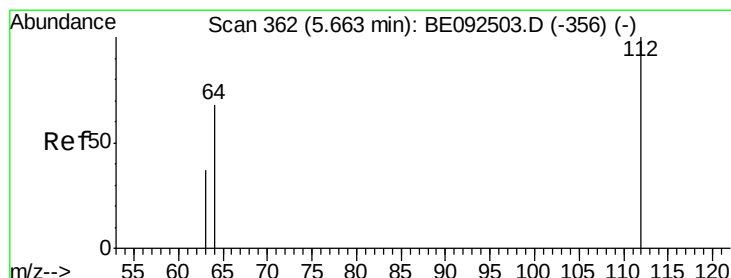
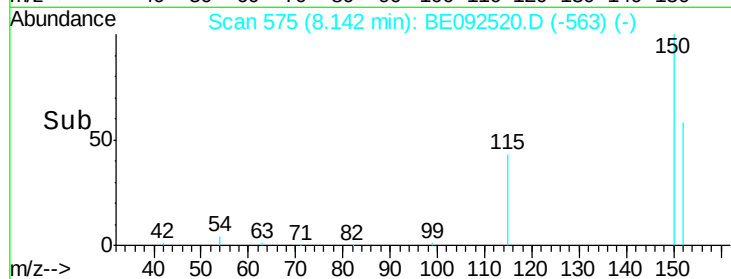
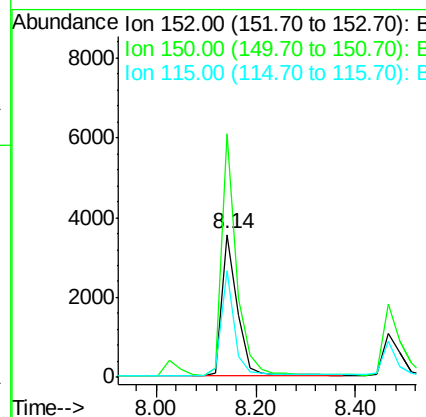
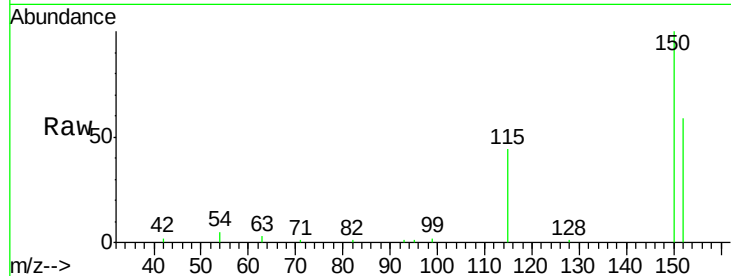
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. -0.02 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	170.4	106.0	159.0#
115	74.4	31.2	46.8#

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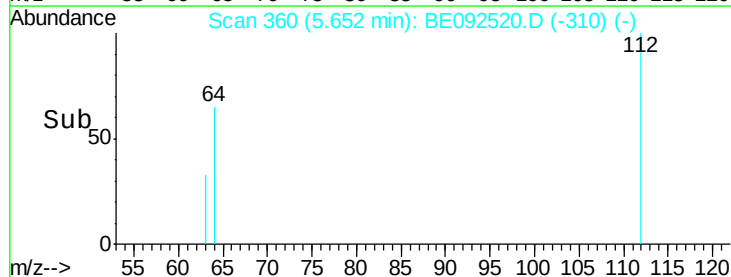
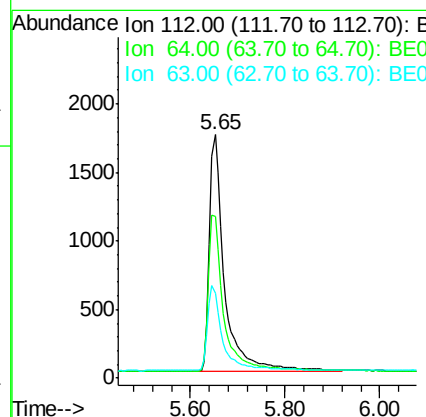
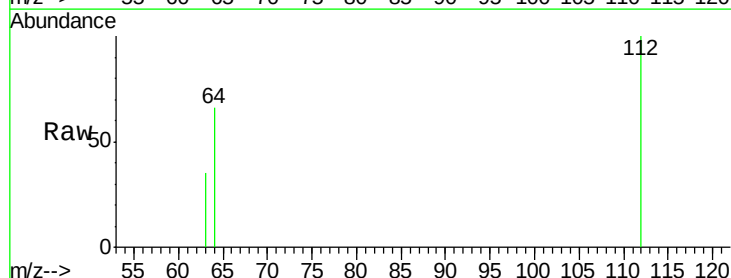
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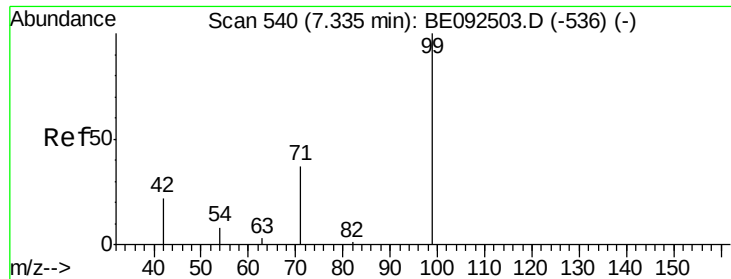


#4

2-Fluorophenol
Concen: 2.34 ng
RT: 5.65 min Scan# 360
Delta R.T. -0.01 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.7	53.5	80.3
63	35.7	27.9	41.9





#5

Phenol-d6

Concen: 2.62 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092520.D

Acq: 9 Nov 2016 11:55

Instrument :

BNA_E

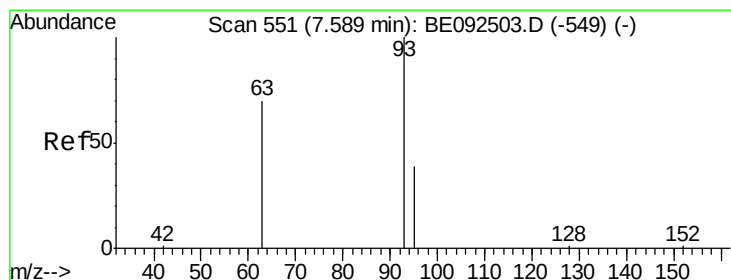
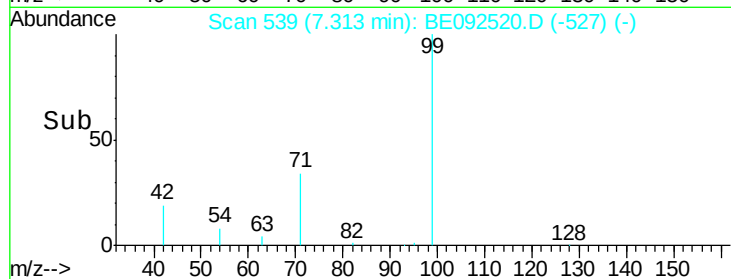
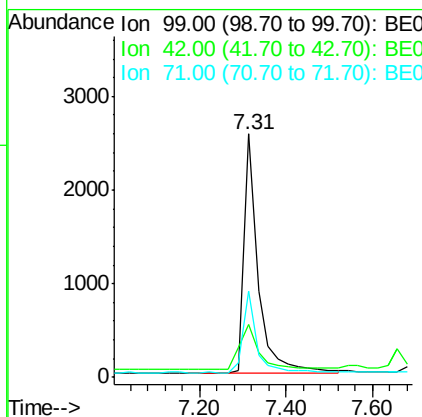
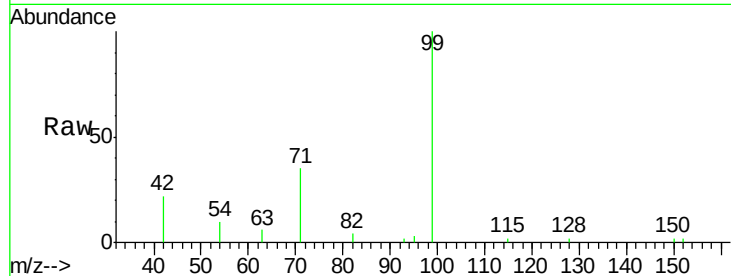
ClientSampleId :

PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
99	100		
42	25.0	16.0	24.0#
71	32.7	30.6	45.8

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#6

bis(2-Chloroethyl)ether

Concen: 2.58 ng

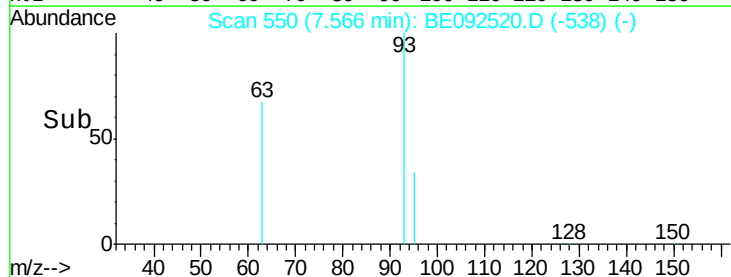
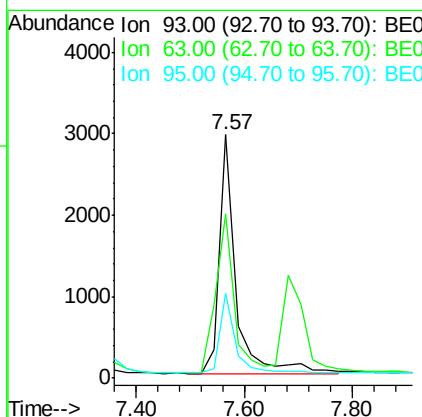
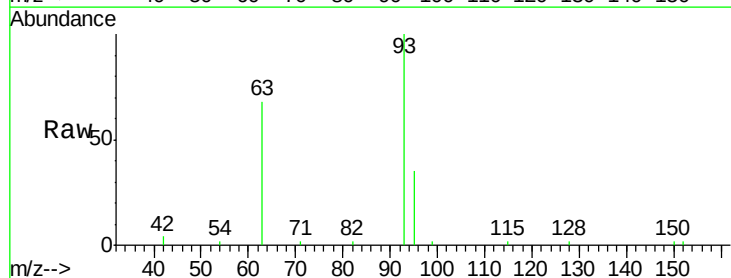
RT: 7.57 min Scan# 550

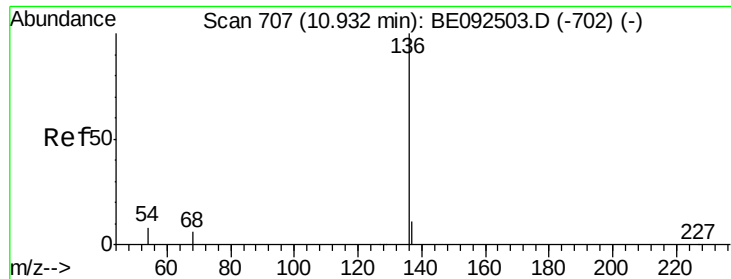
Delta R.T. -0.02 min

Lab File: BE092520.D

Acq: 9 Nov 2016 11:55

Tgt Ion	Ratio	Lower	Upper
93	100		
63	74.7	71.6	107.4
95	31.7	24.0	36.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.93 min Scan# 707

Delta R.T. 0.00 min

Lab File: BE092520.D

Acq: 9 Nov 2016 11:55

Instrument :

BNA_E

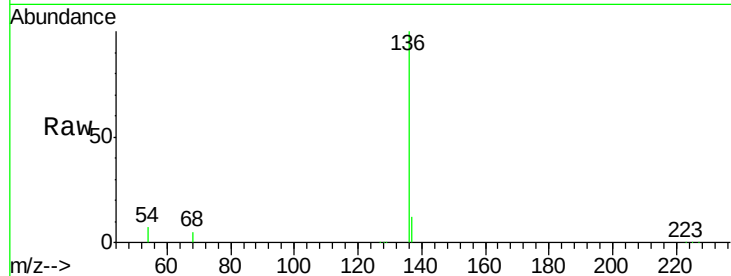
ClientSampled :

PT-BNA-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	8.2	12.4	
54	6.6	9.6	14.4	#
68	5.1	6.7	10.1	#

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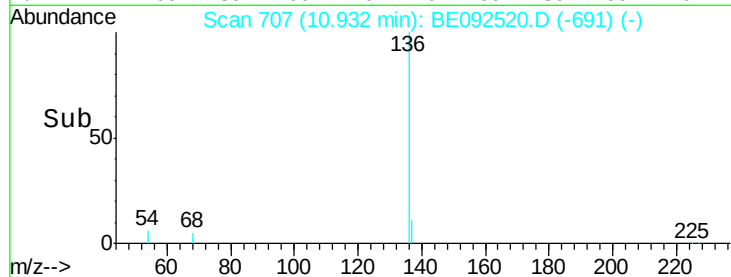
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

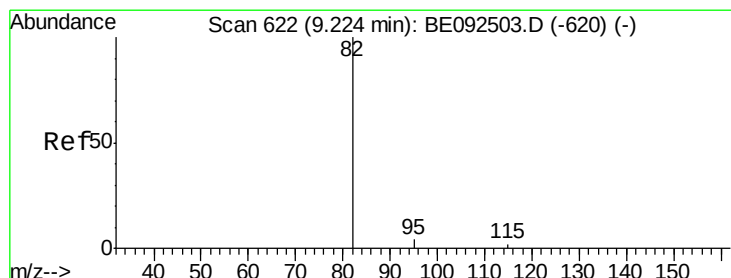
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 1.72 ng

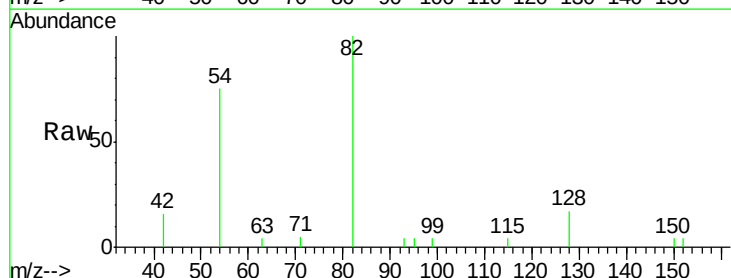
RT: 9.32 min Scan# 626

Delta R.T. -0.02 min

Lab File: BE092520.D

Acq: 9 Nov 2016 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	16.7	39.0	58.4	#
54	75.3	44.8	67.2	#

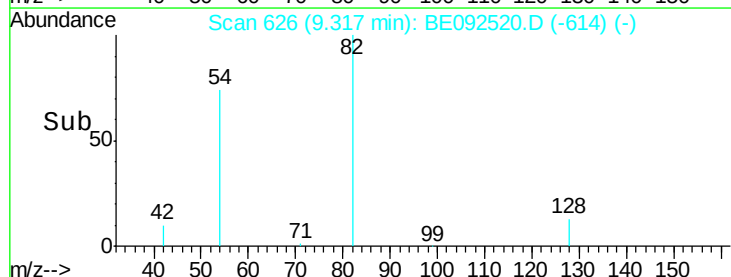


Abundance Ion 82.00 (81.70 to 82.70): BE0

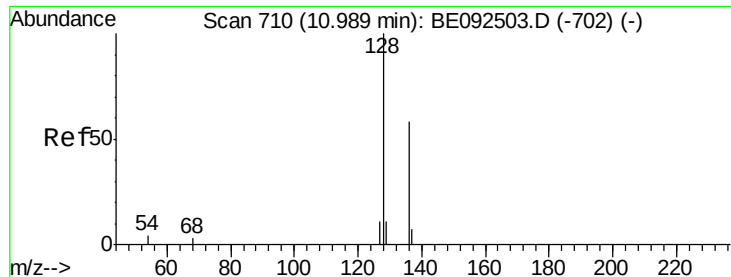
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#9

Naphthalene

Concen: 2.34 ng

RT: 10.97 min Scan# 709

Delta R.T. -0.02 min

Lab File: BE092520.D

Acq: 9 Nov 2016 11:55

Instrument :

BNA_E

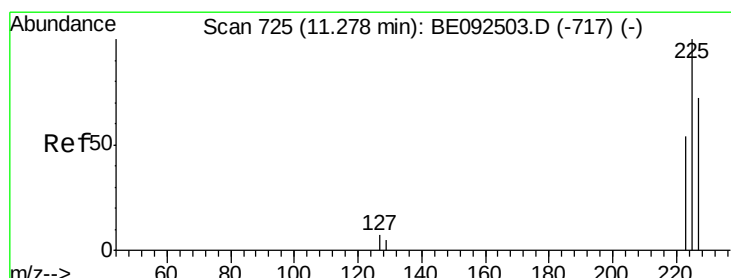
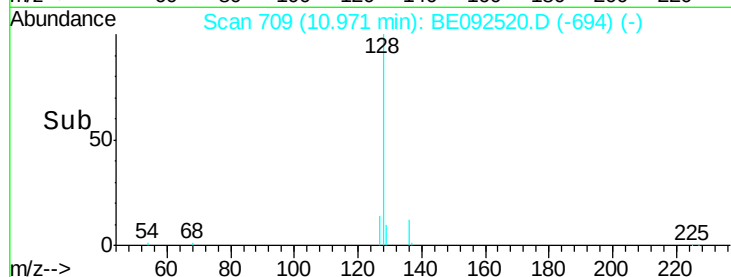
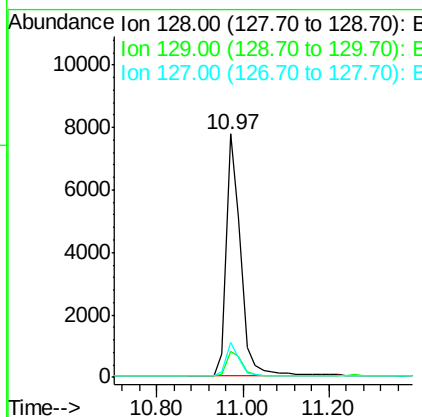
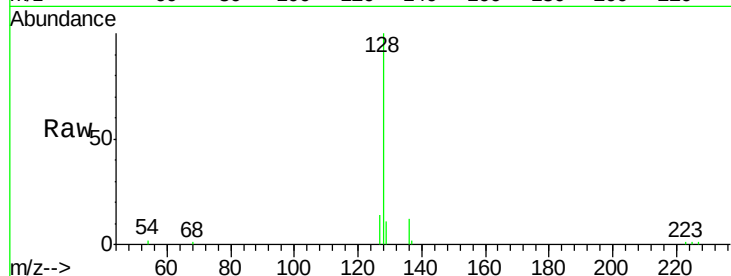
ClientSampled :

PT-BNA-SOIL

Tot Ion:	128	Resp:	17731
Ion Ratio	Lower	Upper	
128	100		
129	10.8	11.2	16.8#
127	14.4	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 2.88 ng

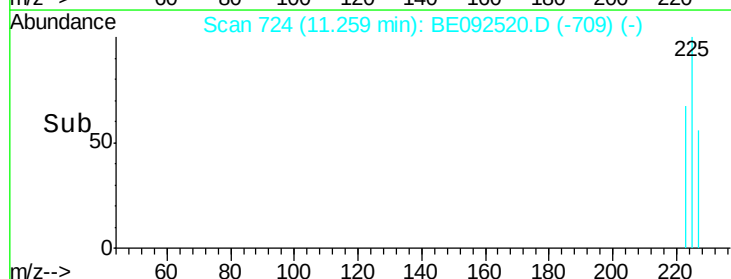
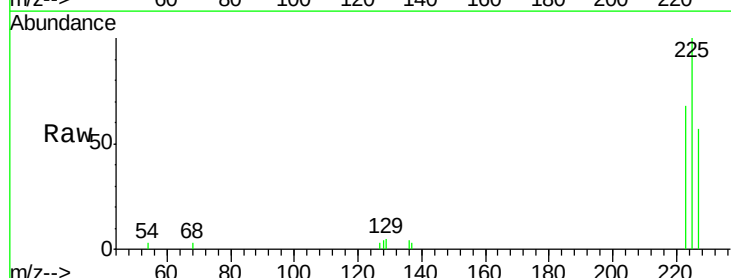
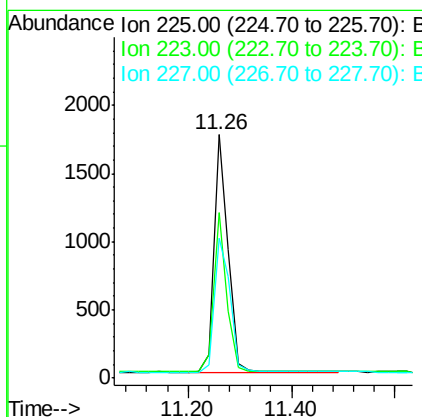
RT: 11.26 min Scan# 724

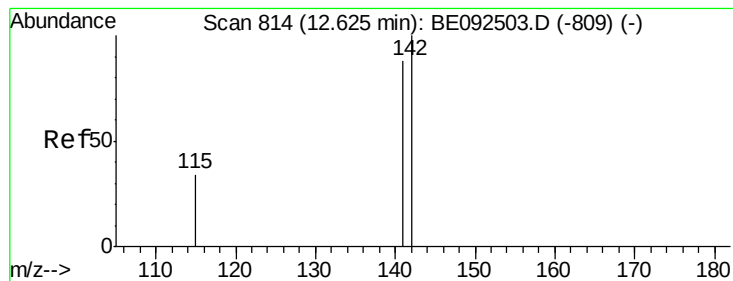
Delta R.T. -0.02 min

Lab File: BE092520.D

Acq: 9 Nov 2016 11:55

Tgt Ion:	225	Resp:	3320
Ion Ratio	Lower	Upper	
225	100		
223	62.4	50.6	76.0
227	62.8	51.4	77.0





#11

2-Methylnaphthalene

Concen: 1.93 ng

RT: 12.61 min Scan# 813

Delta R.T. -0.01 min

Lab File: BE092520.D

Acq: 9 Nov 2016 11:55

Instrument :

BNA_E

ClientSampled :

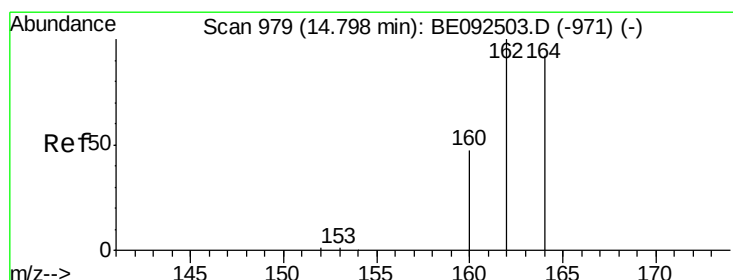
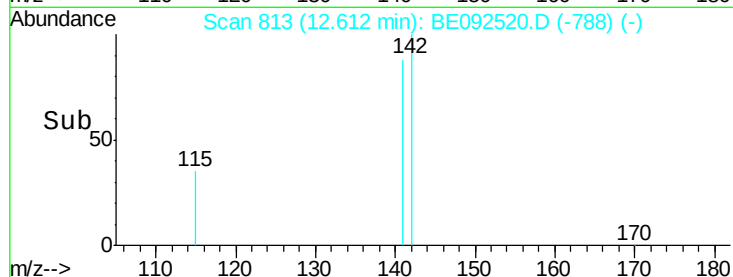
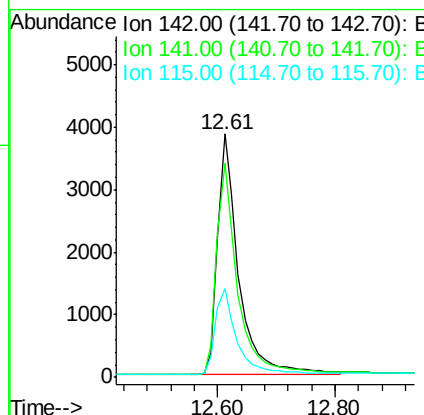
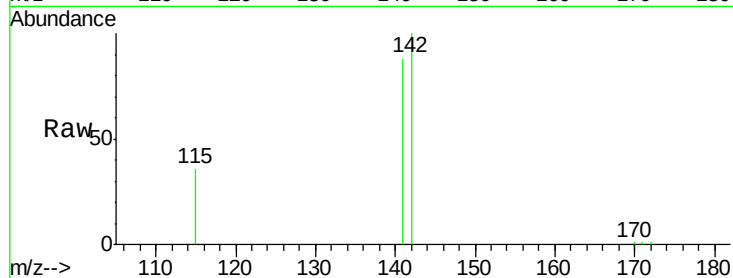
PT-BNA-SOIL

Tot Ion:142 Resp: 9539

Ion	Ratio	Lower	Upper
142	100		
141	87.9	73.7	110.5
115	36.3	34.0	51.0

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#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.80 min Scan# 979

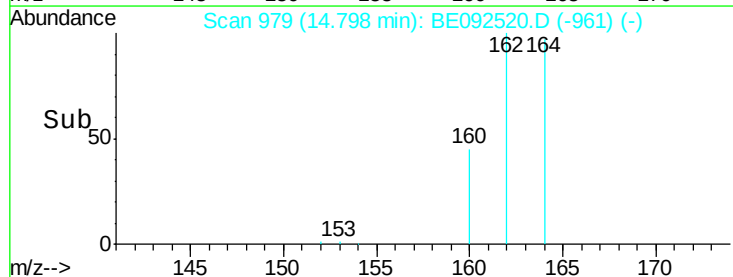
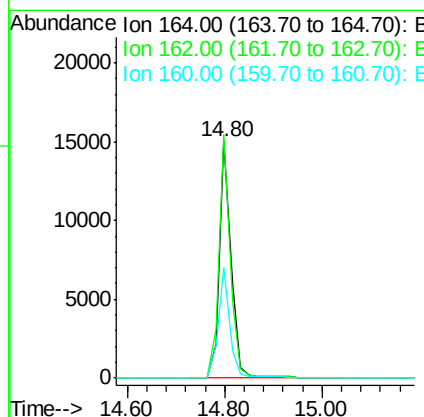
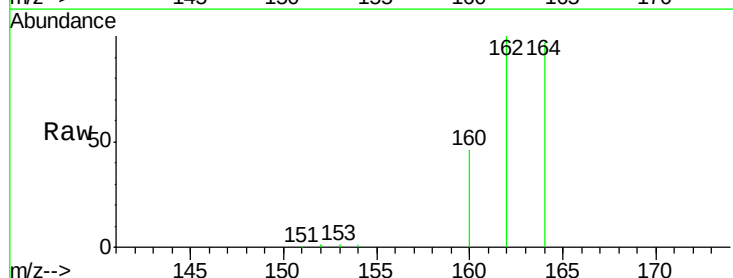
Delta R.T. 0.00 min

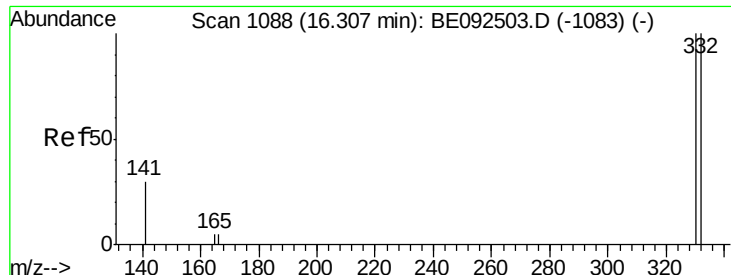
Lab File: BE092520.D

Acq: 9 Nov 2016 11:55

Tgt Ion:164 Resp: 24645

Ion	Ratio	Lower	Upper
164	100		
162	102.9	71.4	107.0
160	46.9	27.4	41.2





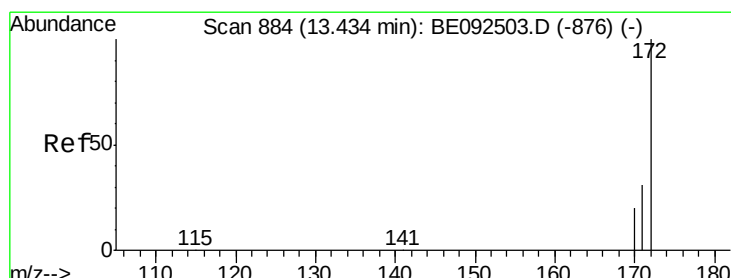
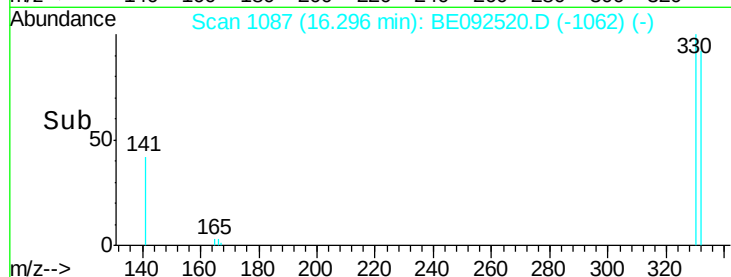
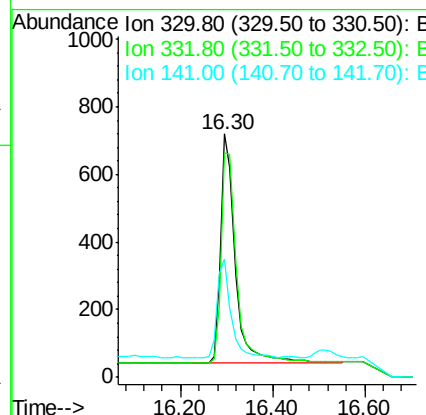
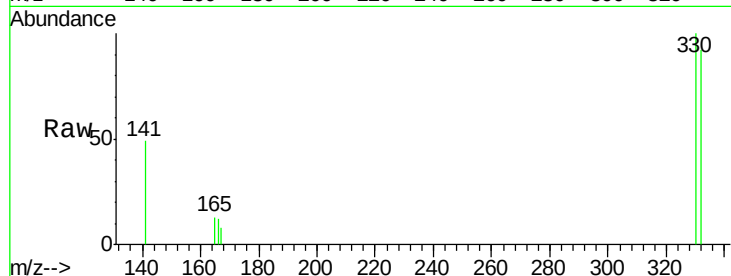
#13
 2,4,6-Tribromophenol
 Concen: 1.86 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092520.D
 Acq: 9 Nov 2016 11:55

Instrument :
 BNA_E
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	75.4	113.0
141	41.7	31.0	46.6

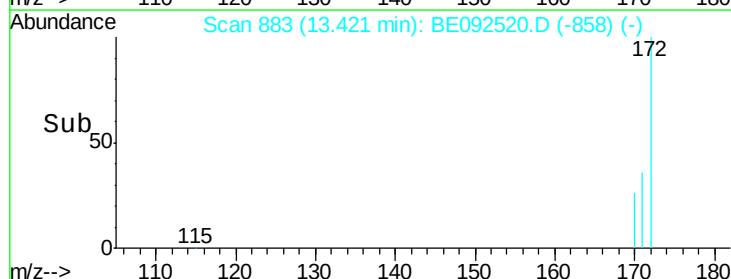
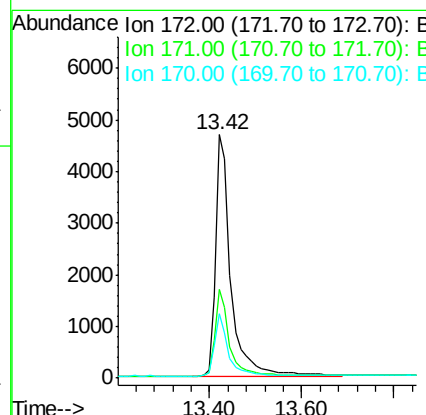
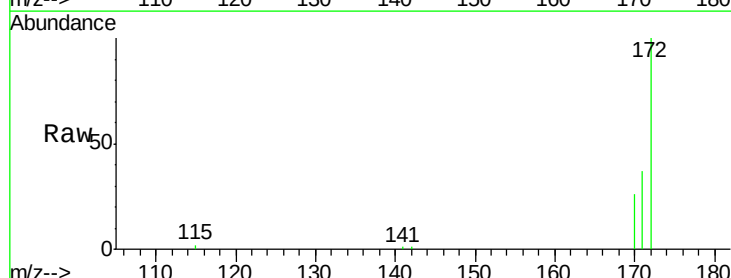
Manual Integrations
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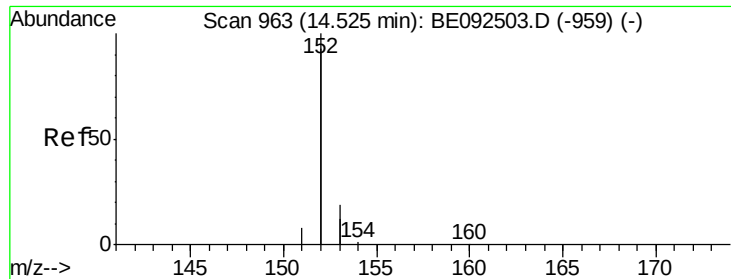
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#14
 2-Fluorobiphenyl
 Concen: 1.76 ng
 RT: 13.42 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BE092520.D
 Acq: 9 Nov 2016 11:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.1	45.1
170	26.3	21.8	32.6





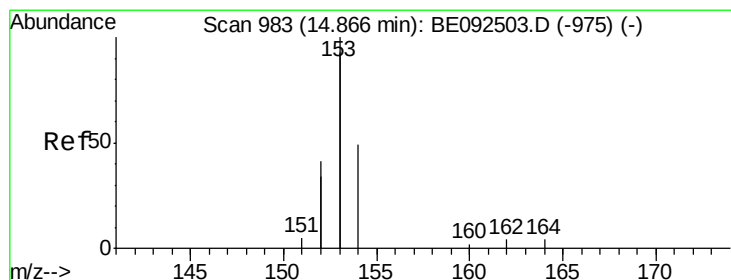
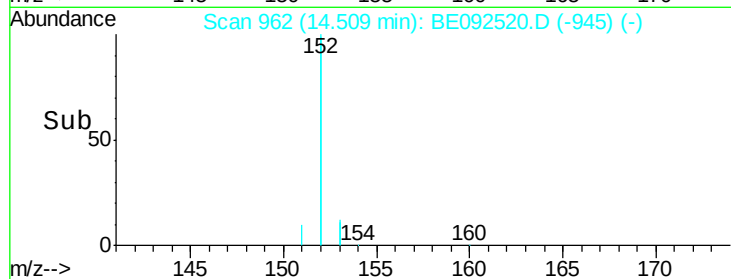
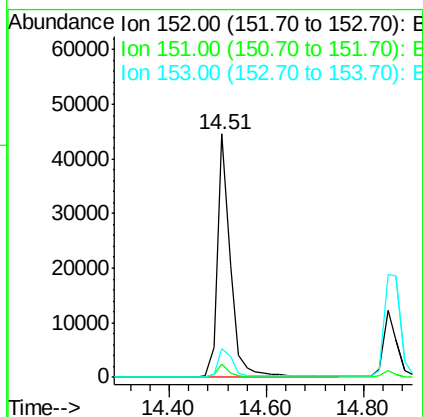
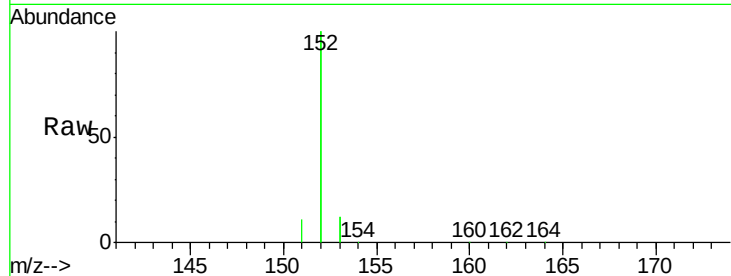
#15
Acenaphthylene
Concen: 2.26 ng
RT: 14.51 min Scan# 962
Delta R.T. -0.02 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.9	5.9
153	13.0	10.4	15.6

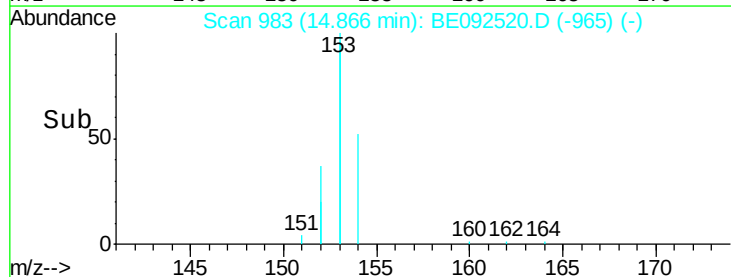
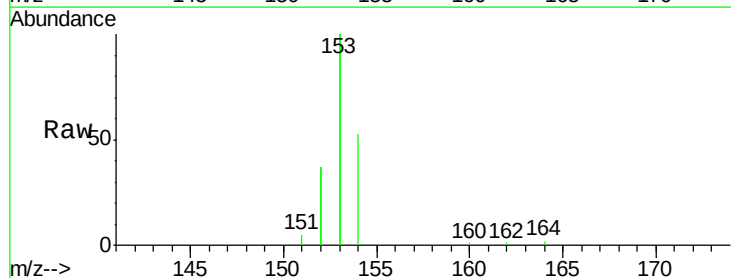
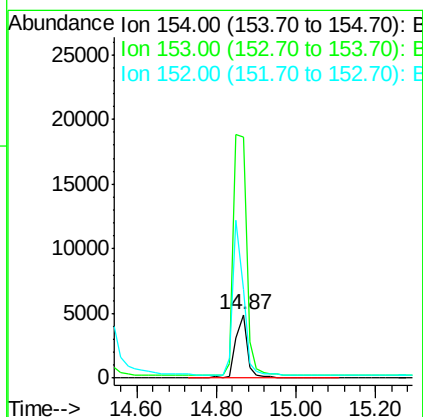
Manual Integrations
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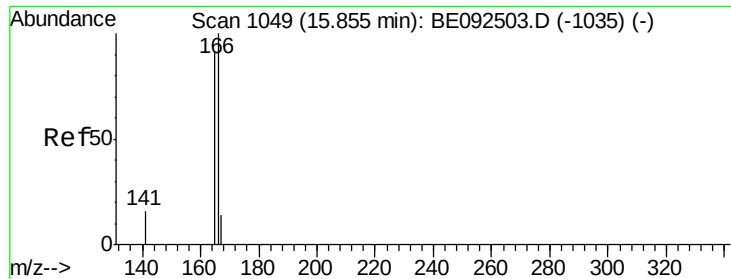
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#16
Acenaphthene
Concen: 1.66 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	452.9	350.8	526.2
152	232.1	171.1	256.7





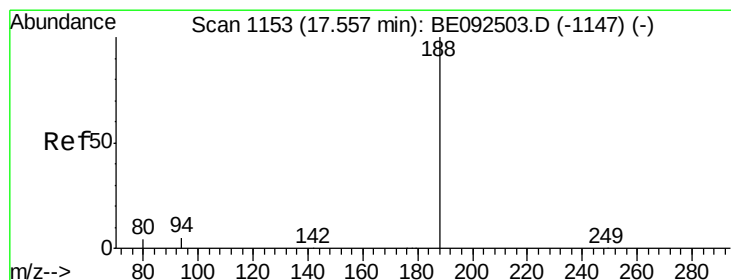
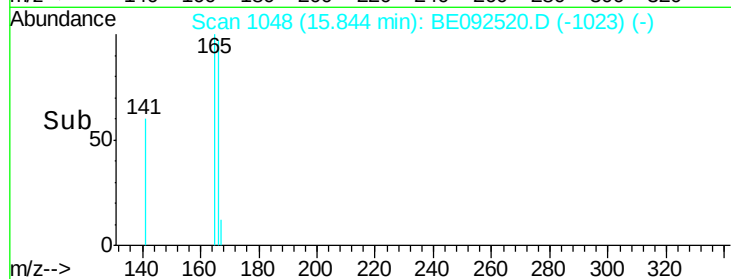
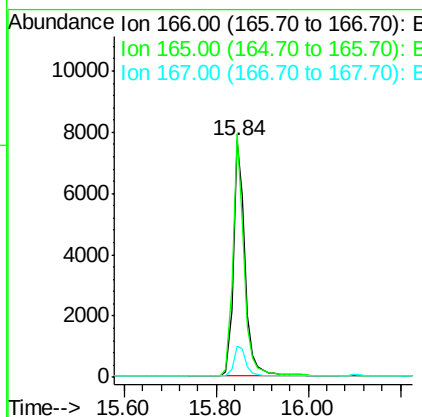
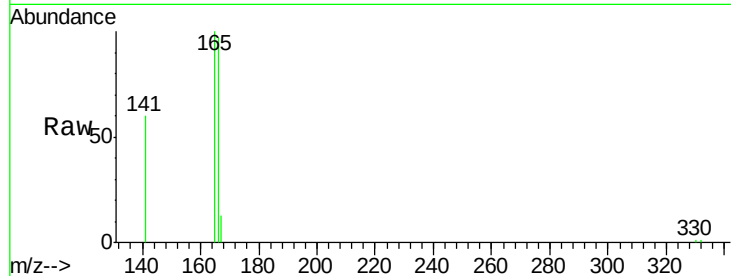
#17
Fluorene
Concen: 1.89 ng
RT: 15.84 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Instrument :
BNA_E
ClientSampled :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.2	117.4
167	13.6	11.0	16.4

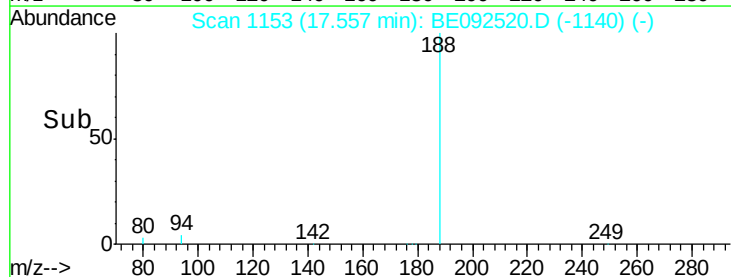
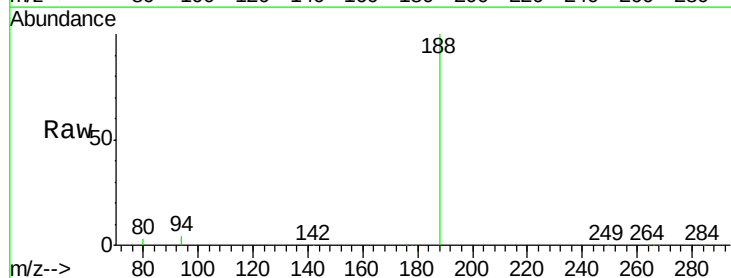
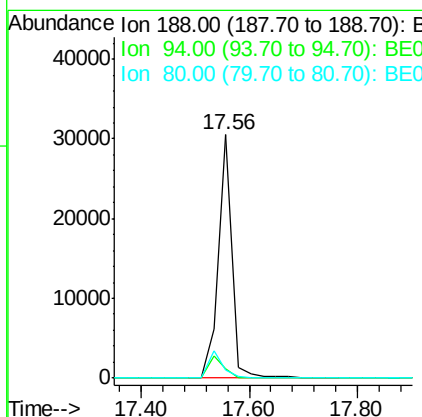
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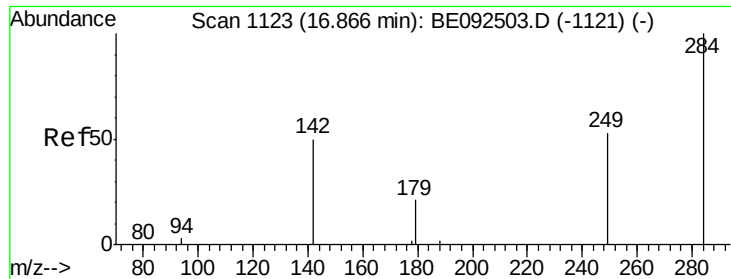
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#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.9	3.2	4.8
80	3.3	2.6	3.8





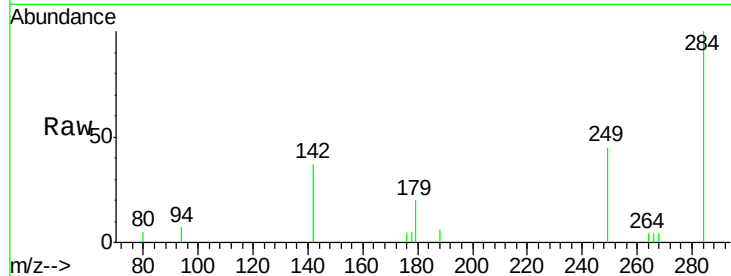
#19
Hexachlorobenzene
Concen: 1.13 ng m
RT: 16.87 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Instrument :
BNA_E
ClientSampled :
PT-BNA-SOIL

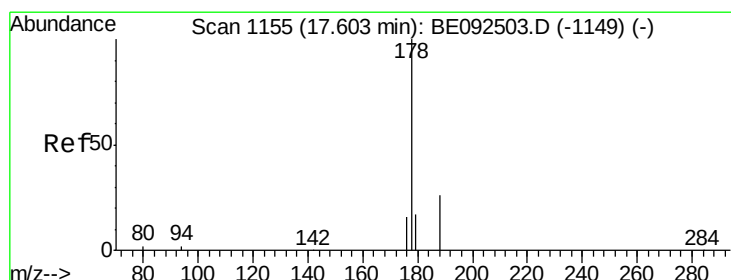
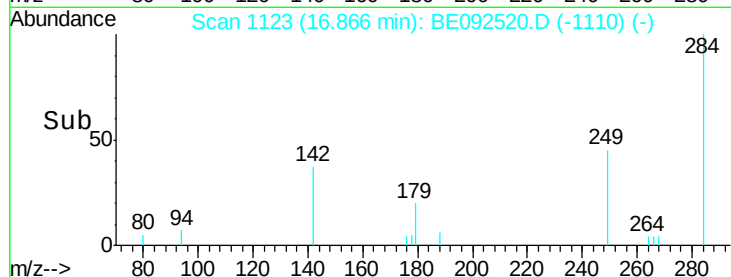
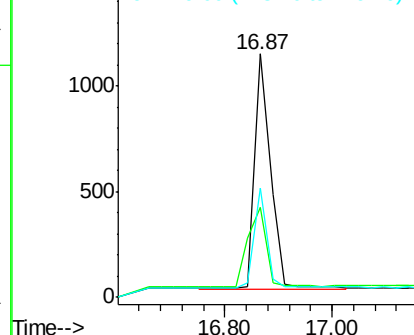
Tot Ion	Ratio	Lower	Upper
284	100		
142	43.6	29.1	43.7
249	41.8	27.9	41.9

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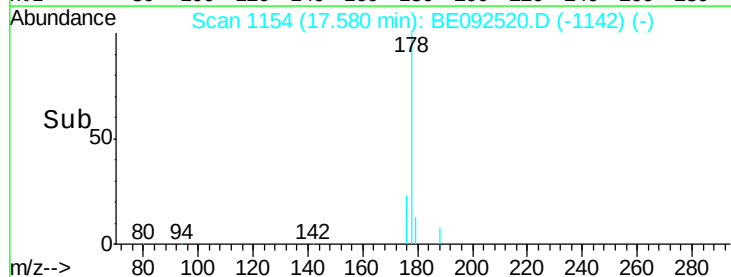
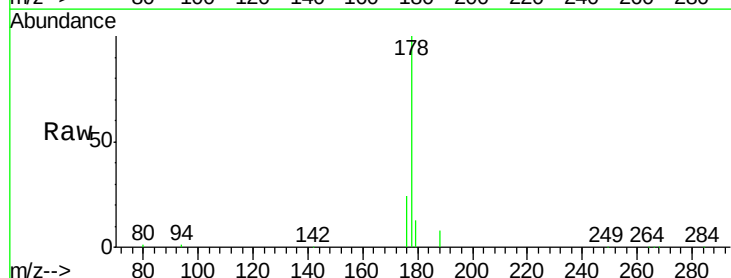
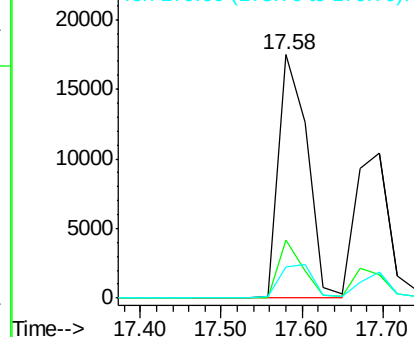
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

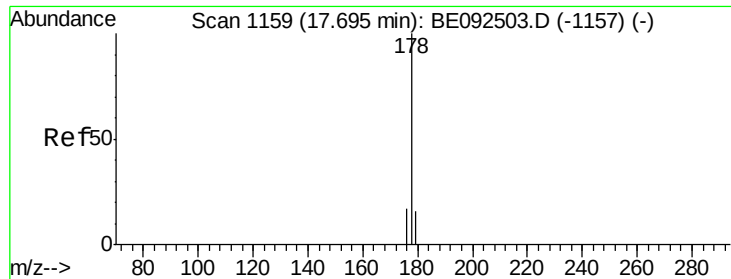


#21
Phenanthrene
Concen: 3.68 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	0.0	16.0	24.0#

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





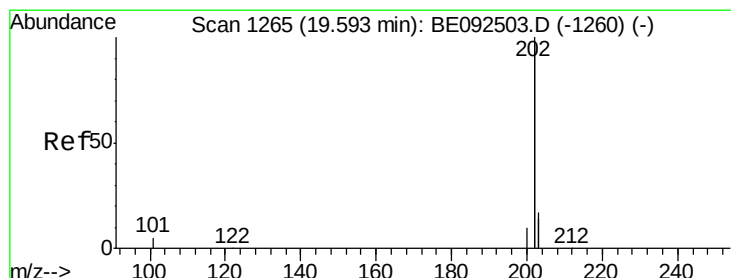
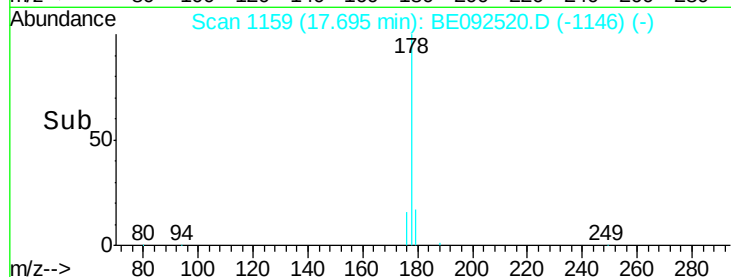
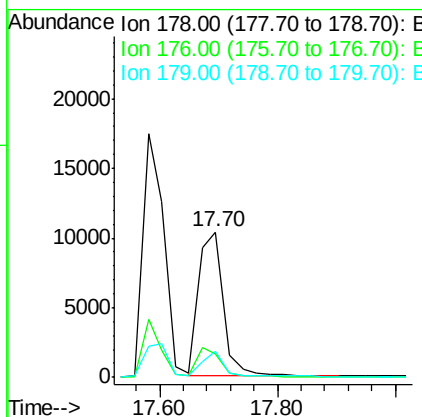
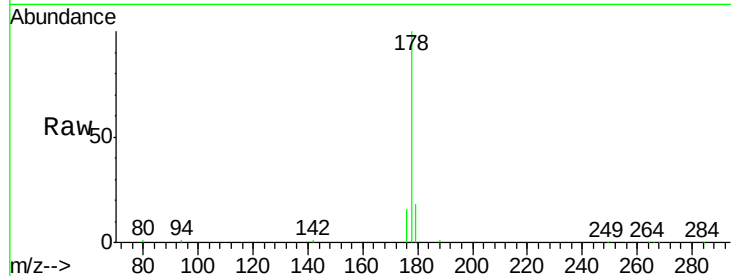
#22
 Anthracene
 Concen: 2.70 ng
 RT: 17.70 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: BE092520.D
 Acq: 9 Nov 2016 11:55

Instrument :
 BNA_E
 ClientSampleId :
 PT-BNA-SOIL

Tot Ion:178 Resp: 30617
 Ion Ratio Lower Upper
 178 100
 176 0.0 15.0 22.4#
 179 15.4 12.2 18.2

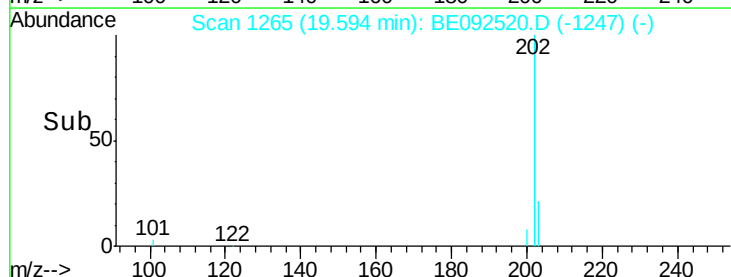
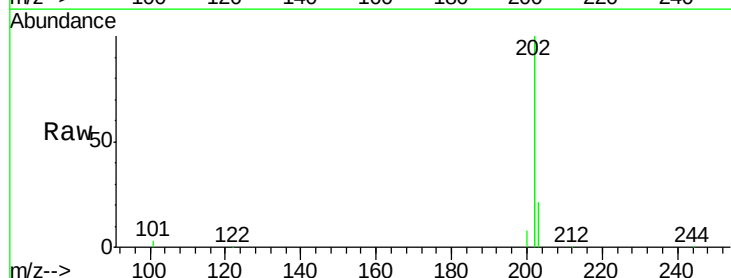
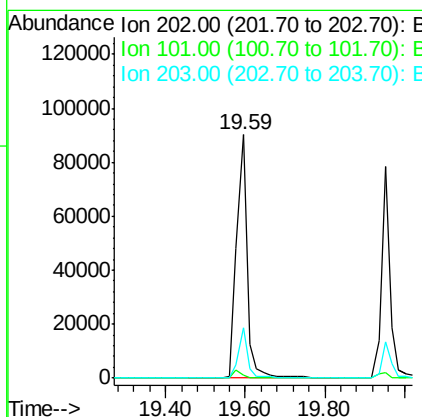
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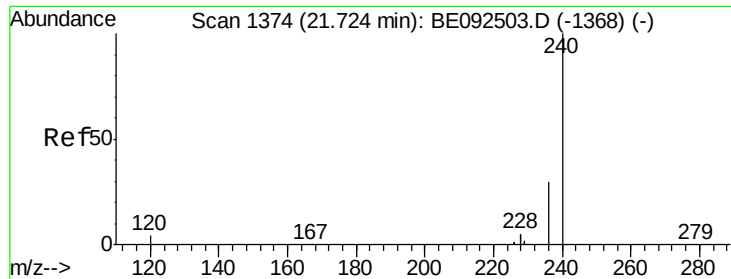
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#23
 Fluoranthene
 Concen: 2.78 ng
 RT: 19.59 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: BE092520.D
 Acq: 9 Nov 2016 11:55

Tgt Ion:202 Resp: 163092
 Ion Ratio Lower Upper
 202 100
 101 2.8 2.2 3.4
 203 17.8 13.7 20.5





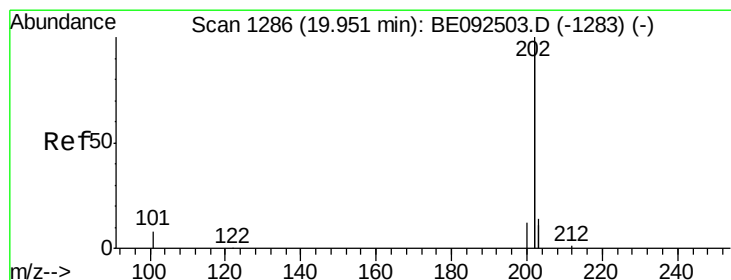
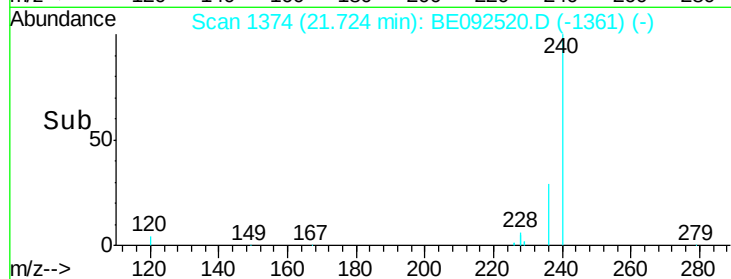
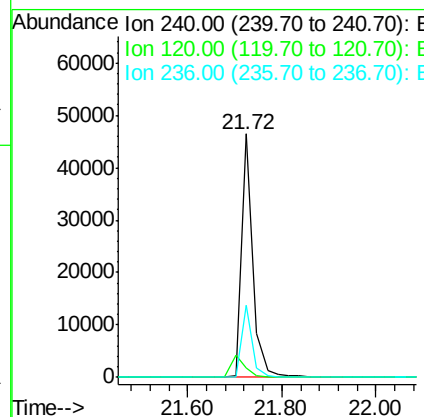
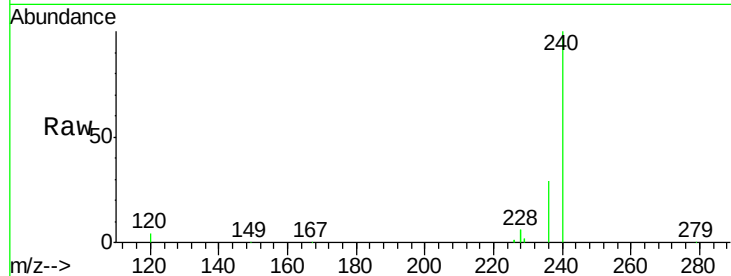
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
240	100		
120	3.8	2.6	4.0
236	29.5	24.6	37.0

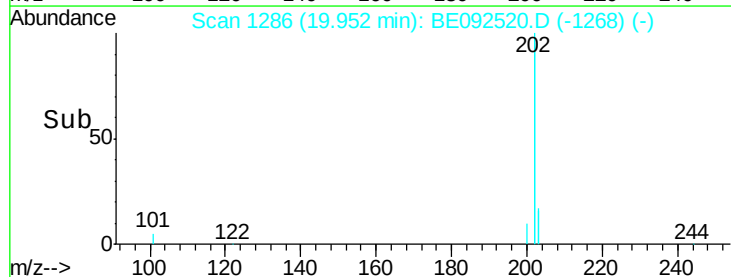
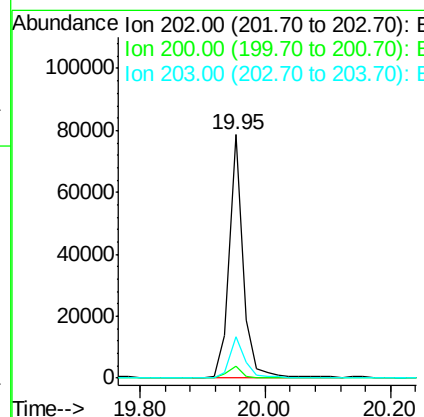
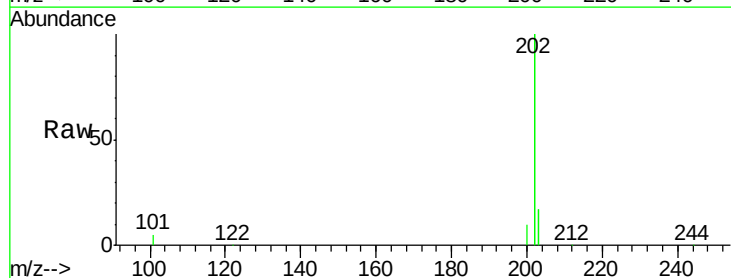
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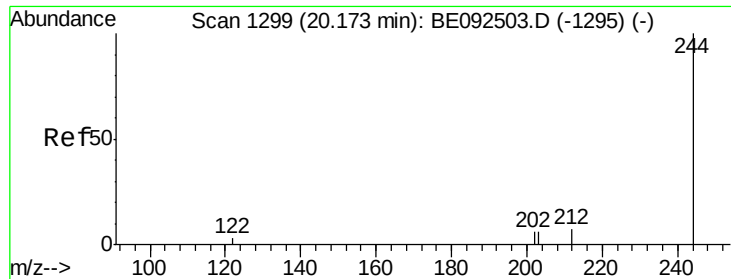
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#25
Pyrene
Concen: 1.86 ng
RT: 19.95 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.2	6.4
203	18.2	13.9	20.9





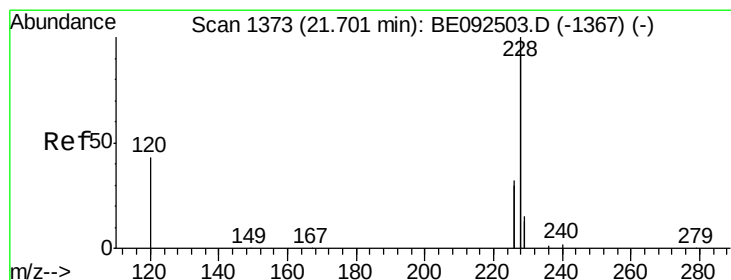
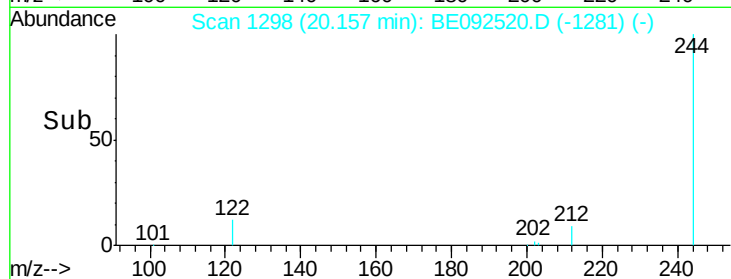
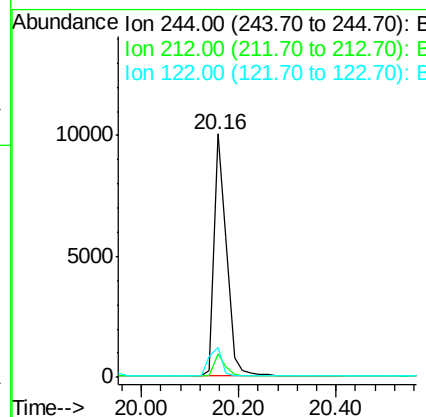
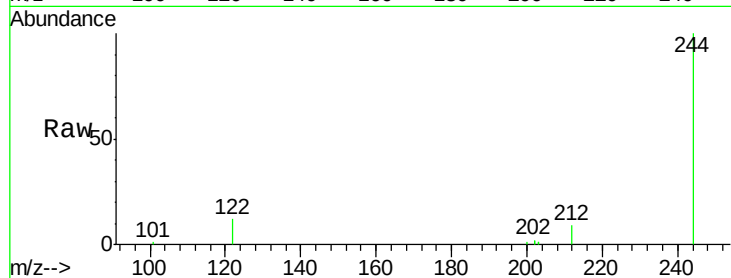
#26
 Terphenyl-d14
 Concen: 1.89 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BE092520.D
 Acq: 9 Nov 2016 11:55

Instrument :
 BNA_E
 ClientSampled :
 PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.7	10.1
122	12.3	3.6	5.4

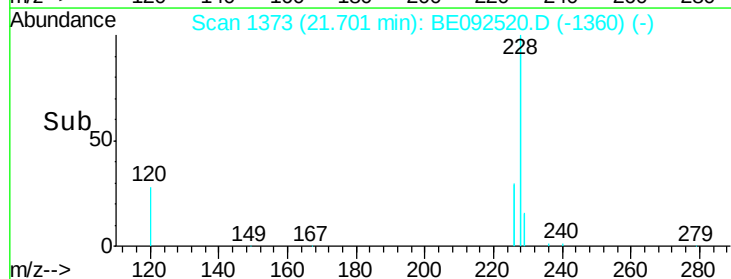
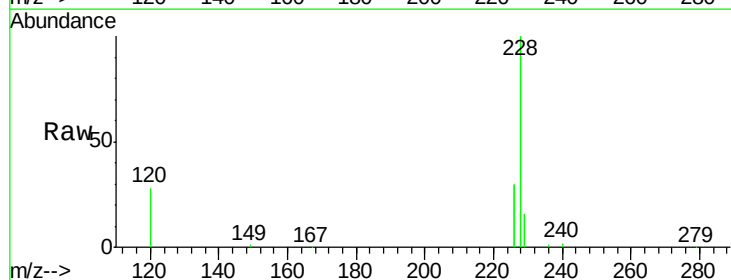
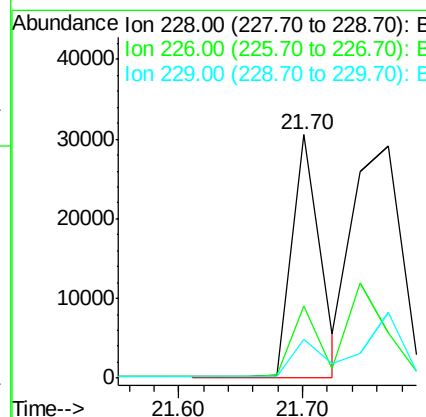
Manual Integrations
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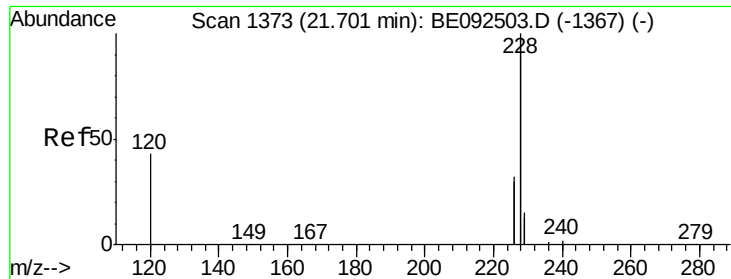
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#27
 Benzo(a)anthracene
 Concen: 0.63 ng m
 RT: 21.70 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BE092520.D
 Acq: 9 Nov 2016 11:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.6	35.4
229	15.9	13.3	19.9





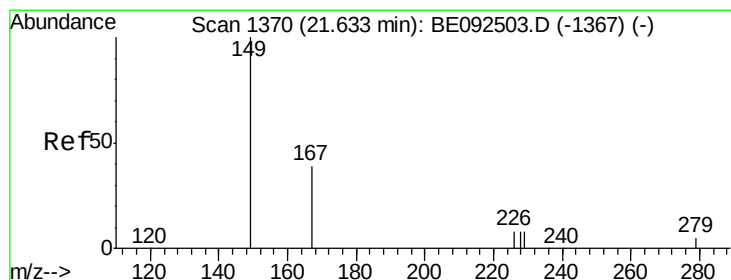
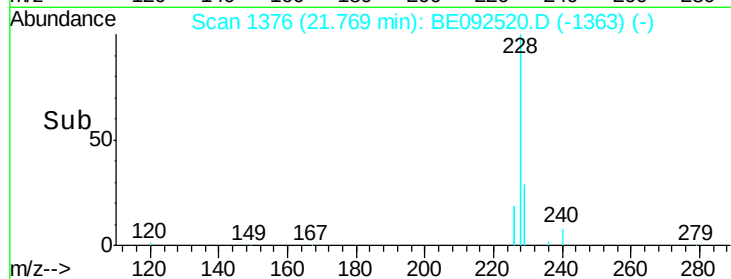
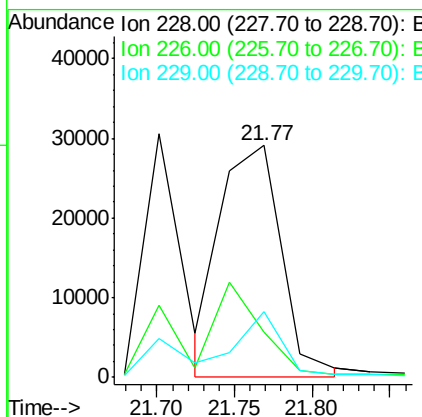
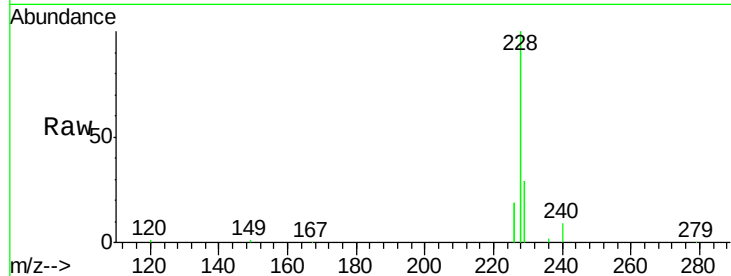
#28
Chrysene
Concen: 1.15 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Instrument :
BNA_E
ClientSampled :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	19.5	36.3	54.5#
229	28.5	10.6	16.0#

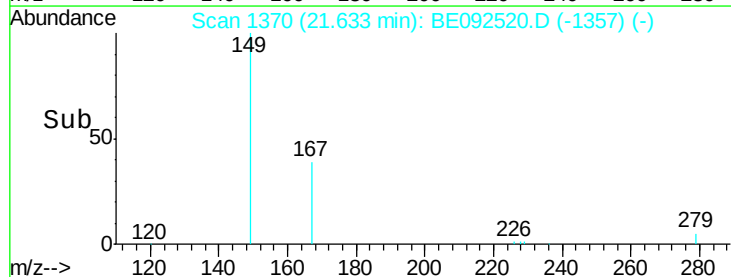
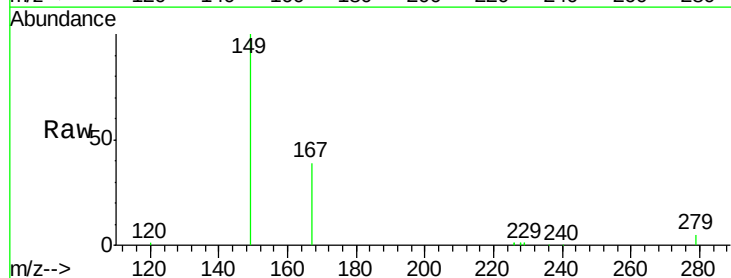
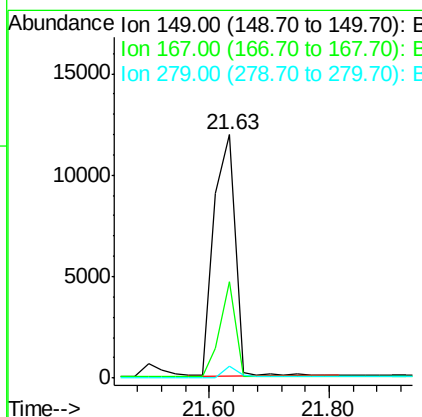
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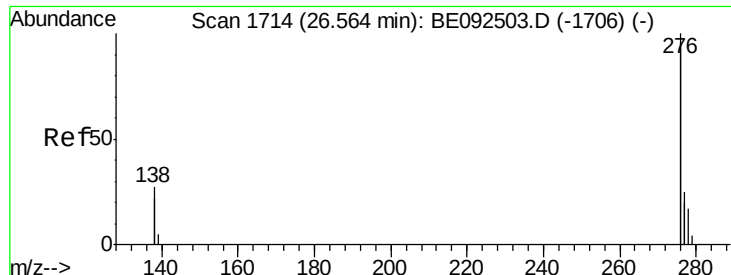
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#29
Bis(2-ethylhexyl)phthalate
Concen: 4.17 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.1	16.0	24.0#
279	3.2	16.0	24.0#





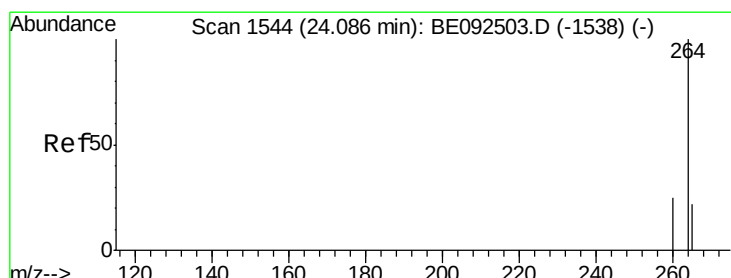
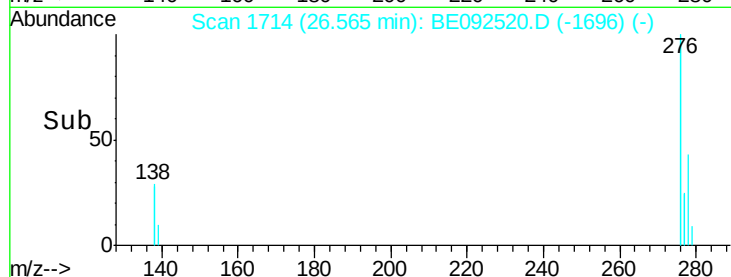
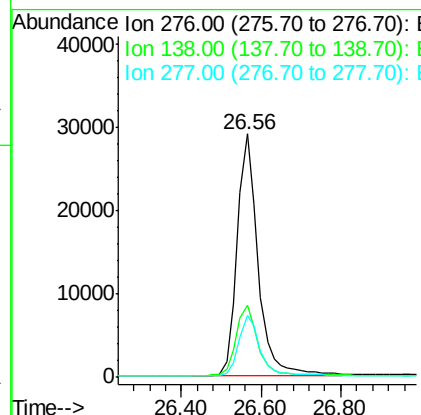
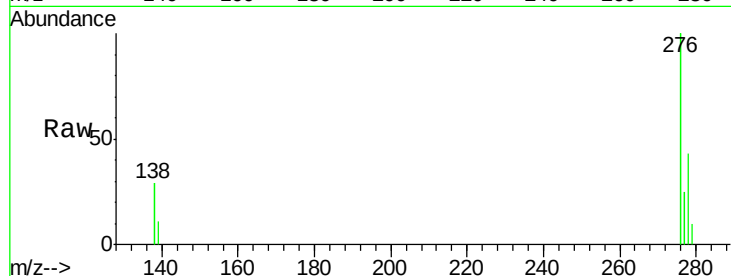
#30
Indeno(1,2,3-cd)pyrene
Concen: 1.22 ng
RT: 26.56 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.2	20.3	30.5
277	25.2	19.7	29.5

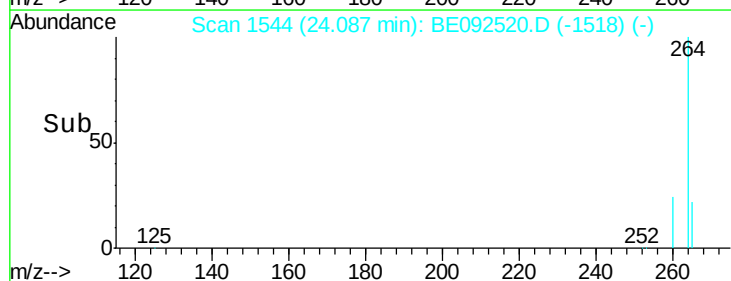
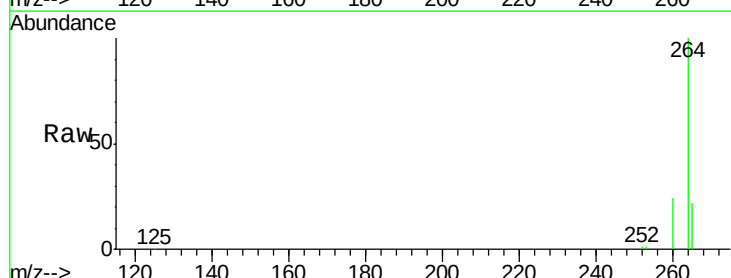
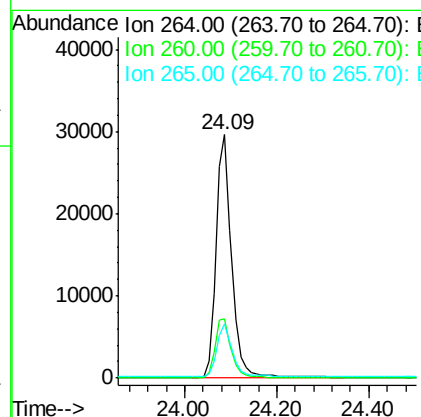
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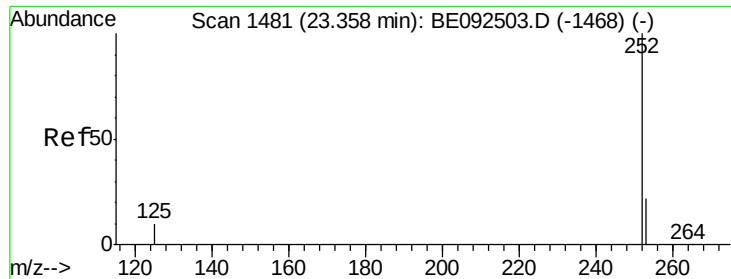
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#31
Perylene-d12
Concen: 5.00 ng
RT: 24.09 min Scan# 1544
Delta R.T. 0.00 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.1	30.1
265	22.4	17.9	26.9





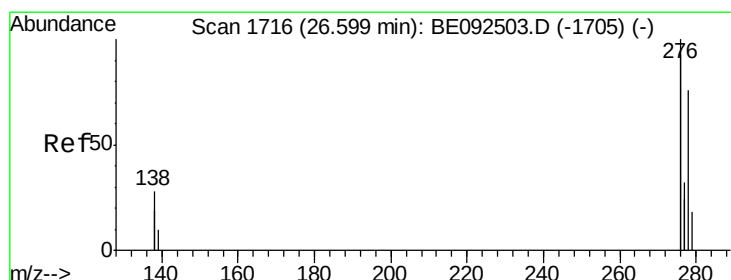
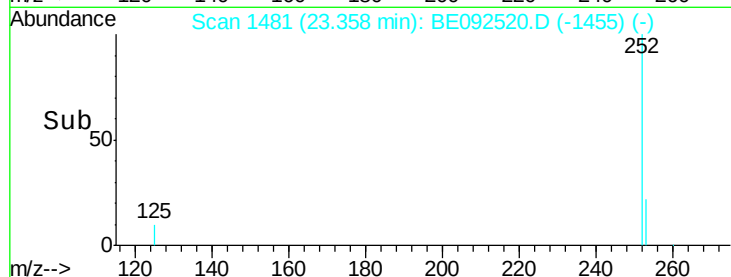
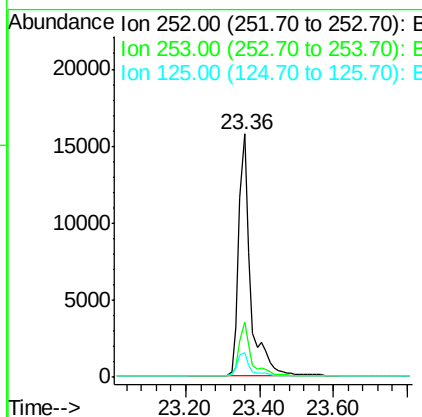
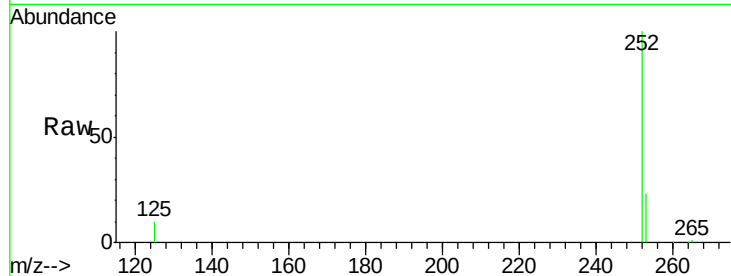
#32
Benzo(b)fluoranthene
Concen: 1.85 ng
RT: 23.36 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Instrument :
BNA_E
ClientSampleId :
PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.7	28.1
125	10.2	10.5	15.7

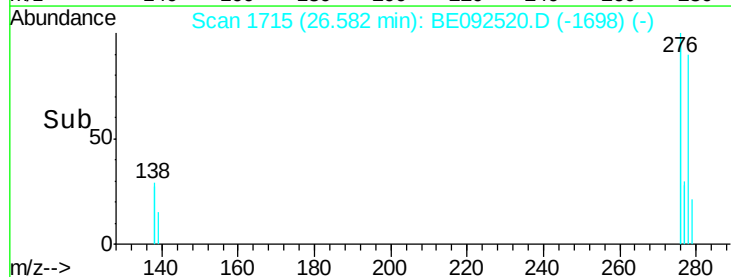
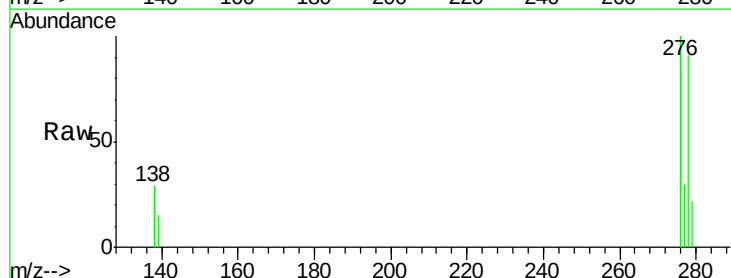
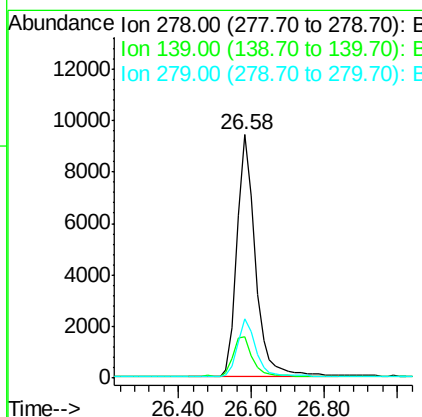
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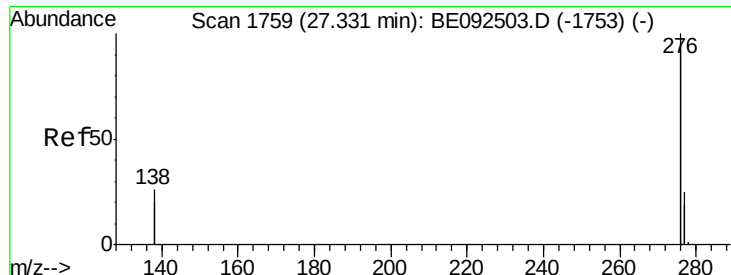
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#35
Dibenzo(a,h)anthracene
Concen: 1.94 ng
RT: 26.58 min Scan# 1715
Delta R.T. -0.02 min
Lab File: BE092520.D
Acq: 9 Nov 2016 11:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.8	20.8
279	24.2	21.4	32.2





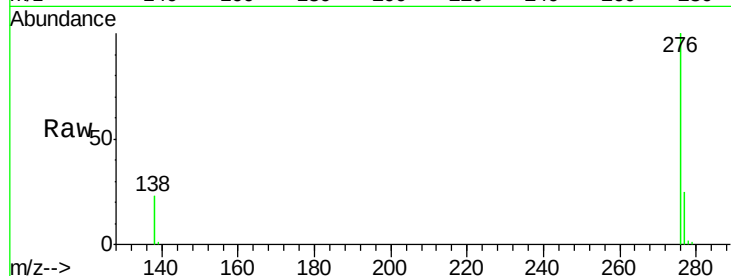
#36
 Benzo(a,h,i)perylene
 Concen: 0.93 ng
 RT: 27.33 min Scan# 1759
 Delta R.T. 0.00 min
 Lab File: BE092520.D
 Acq: 9 Nov 2016 11:55

Instrument :
 BNA_E
 ClientSampled :
 PT-BNA-SOIL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.8
138	22.7	19.8	29.6

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

