

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110916\
 Data File : BE092523.D
 Acq On : 9 Nov 2016 13:45
 Operator : UM/SJ
 Sample : H5524-16DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-PAH-SOILDL

Manual Integrations
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Quant Time: Nov 09 14:32:18 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	8.16	152	8378	5.00	ng	0.00
7) Naphthalene-d8	10.93	136	40334	5.00	ng	0.00
12) Acenaphthene-d10	14.80	164	28459	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	64535	5.00	ng	0.00
24) Chrysene-d12	21.72	240	98052	5.00	ng	0.00
31) Perylene-d12	24.08	264	84553	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.66	112	5820	3.15	ng	0.00
5) Phenol-d6	7.34	99	7676	3.12	ng	0.00
8) Nitrobenzene-d5	9.34	82	3661	1.38	ng	0.00
13) 2,4,6-Tribromophenol	16.30	330	2231	2.36	ng	-0.01
14) 2-Fluorobiphenyl	13.42	172	11114	1.58	ng	-0.01
26) Terphenyl-d14	20.16	244	19516	1.64	ng	-0.02
Target Compounds						
9) Naphthalene	10.97	128	44312	5.08	ng	Qvalue # 95
11) 2-Methylnaphthalene	12.61	142	6282	1.11	ng	99
15) Acenaphthylene	14.51	152	35680	0.87	ng	100
16) Acenaphthene	14.87	154	38913	5.90	ng	95
17) Fluorene	15.84	166	25051	3.02	ng	99
21) Phenanthrene	17.58	178	53594	3.84	ng	# 94
22) Anthracene	17.67	178	55978	4.14	ng	99
23) Fluoranthene	19.58	202	415274	5.93	ng	99
25) Pyrene	19.95	202	201235	2.50	ng	97
27) Benzo(a)anthracene	21.70	228	140677m	1.42	ng	
28) Chrysene	21.75	228	58711m	0.59	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	1016	0.12	ng	# 75
30) Indeno(1,2,3-cd)pyrene	26.55	276	133668	1.23	ng	98
32) Benzo(b)fluoranthene	23.35	252	66460m	2.99	ng	
33) Benzo(k)fluoranthene	23.39	252	13203m	0.40	ng	
34) Benzo(a)pyrene	23.97	252	67909	3.11	ng	# 95
35) Dibenzo(a,h)anthracene	26.58	278	26218	1.28	ng	95
36) Benzo(g,h,i)perylene	27.31	276	124054	1.46	ng	98

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

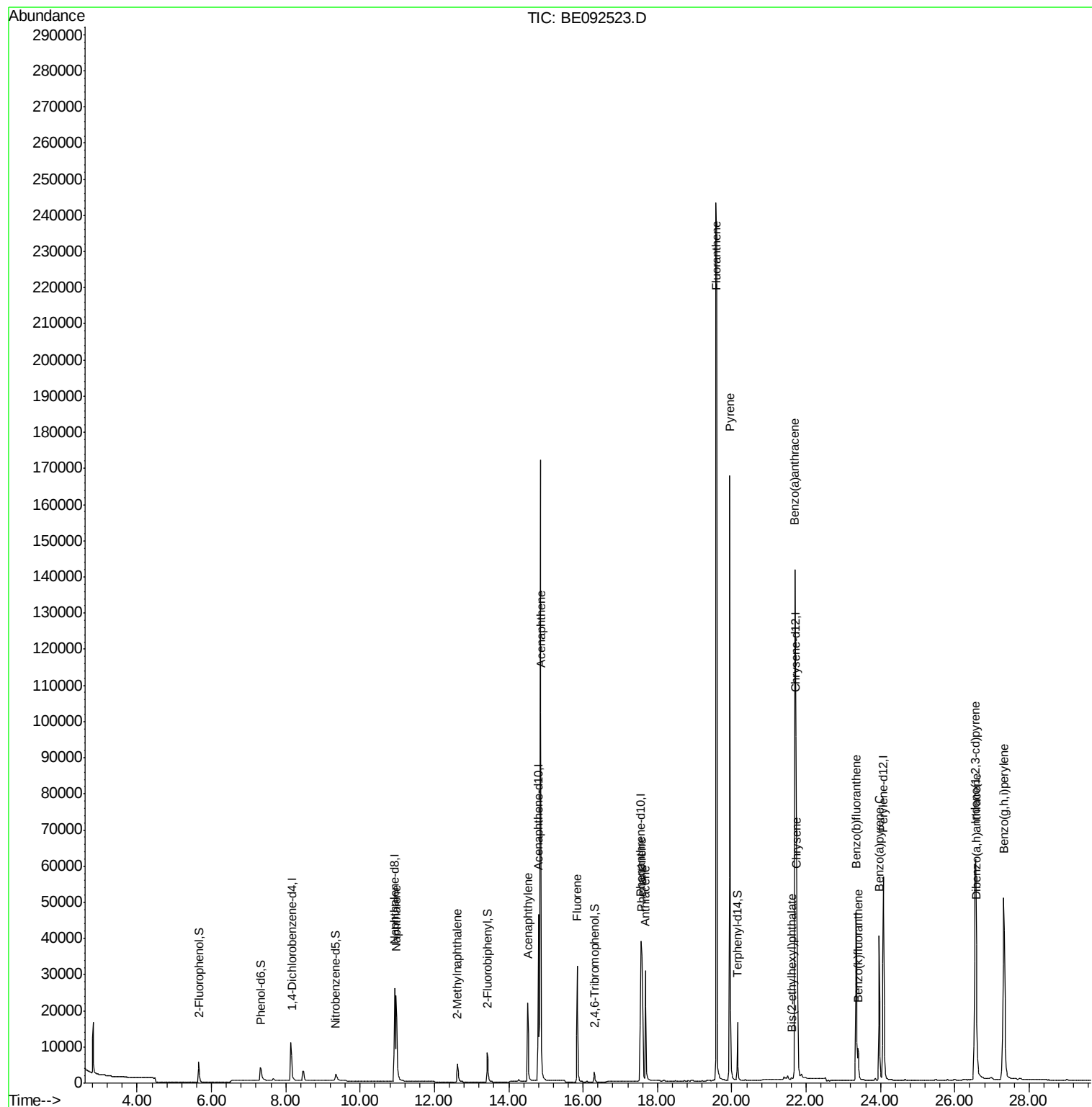
Data Path : Z:\HPCHEM1\BNA E\DATA\BE110916\
Data File : BE092523.D
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Misc :
ALS Vial : 6 Sample Multiplier: 1

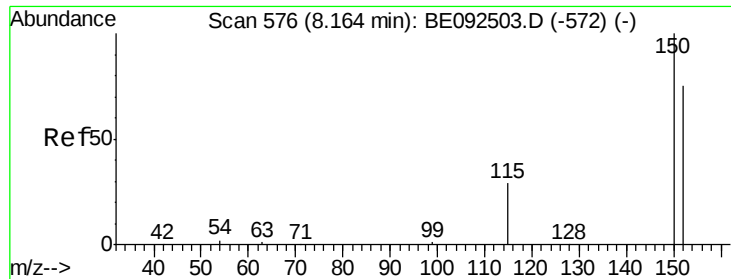
Instrument :
BNA_E
ClientSampled :
PT-PAH-SOILD

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Quant Time: Nov 09 14:32:18 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE110816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

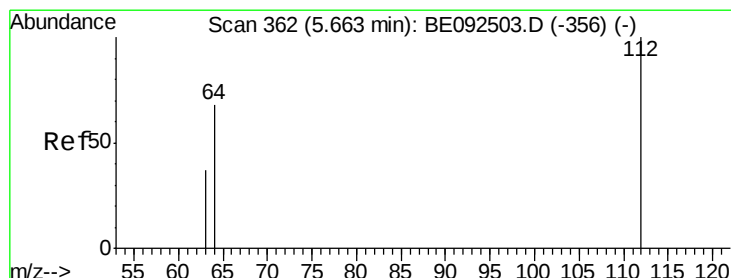
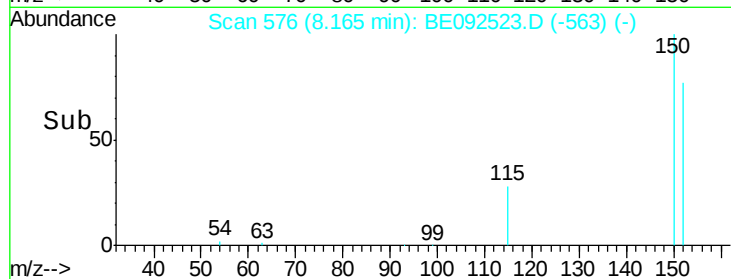
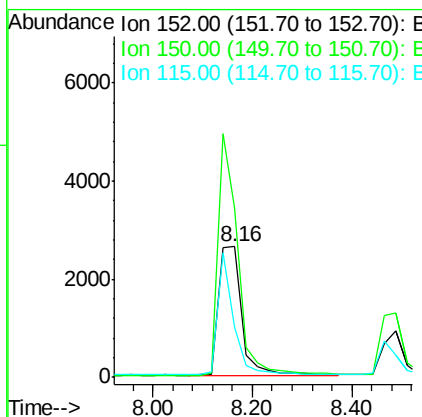
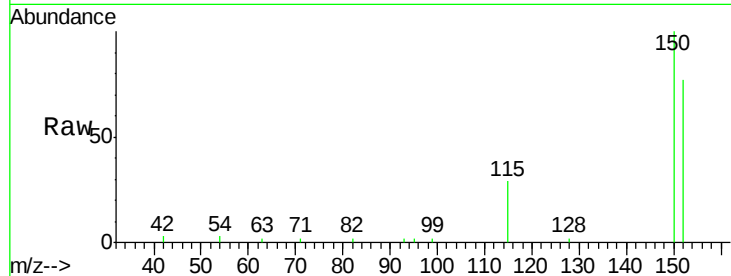
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.16 min Scan# 576
Delta R.T. 0.00 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILD

Tot Ion	Ratio	Lower	Upper
152	100		
150	129.5	106.0	159.0
115	38.0	31.2	46.8

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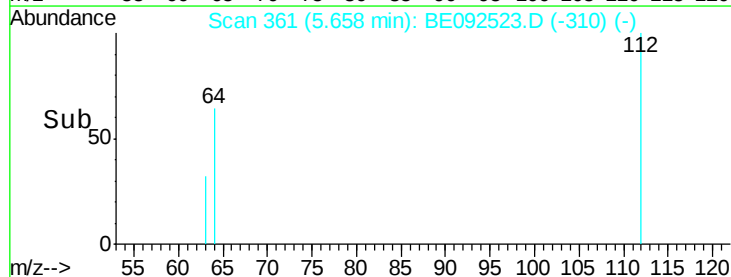
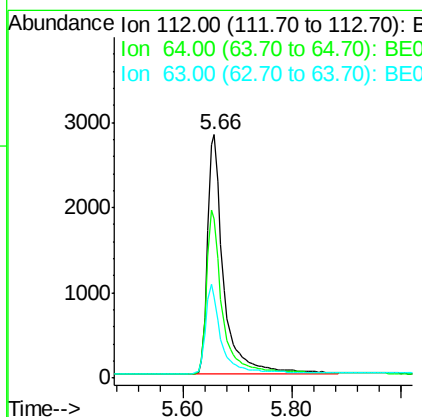
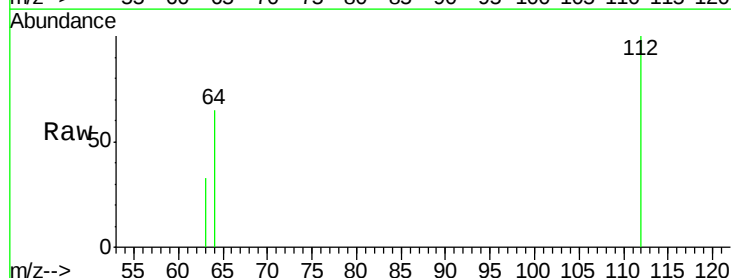
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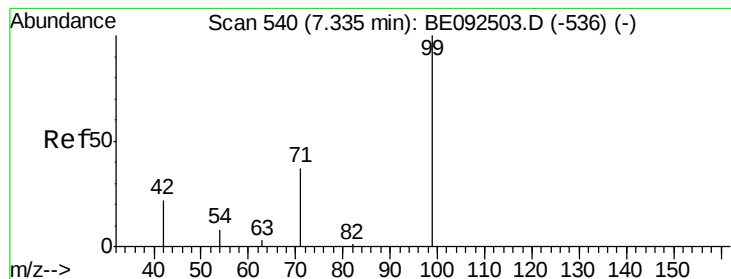


#4

2-Fluorophenol
Concen: 3.15 ng
RT: 5.66 min Scan# 361
Delta R.T. -0.00 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	53.5	80.3
63	36.1	27.9	41.9





#5

Phenol-d6

Concen: 3.12 ng

RT: 7.34 min Scan# 540

Delta R.T. 0.00 min

Lab File: BE092523.D

Acq: 9 Nov 2016 13:45

Instrument :

BNA_E

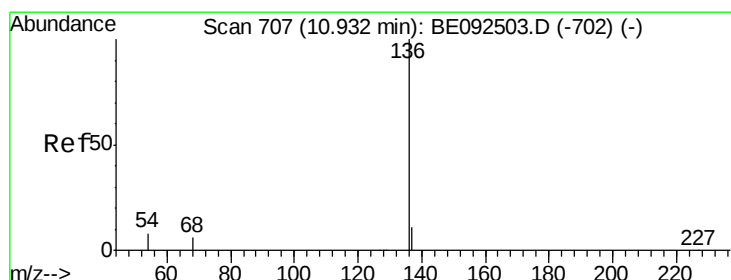
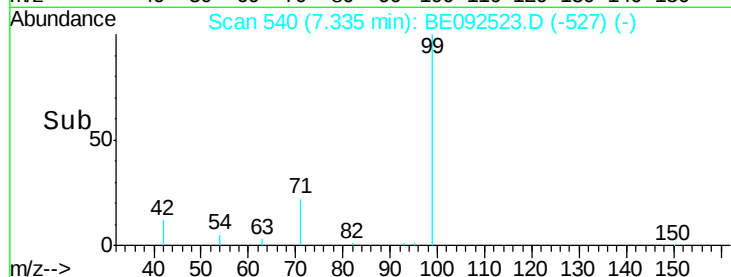
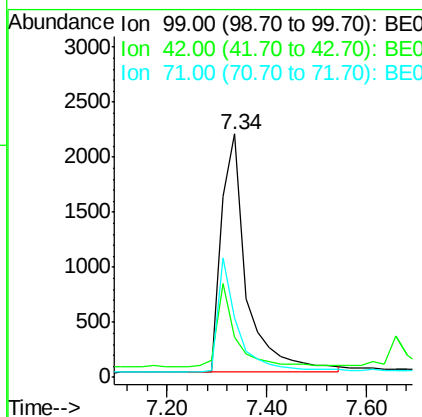
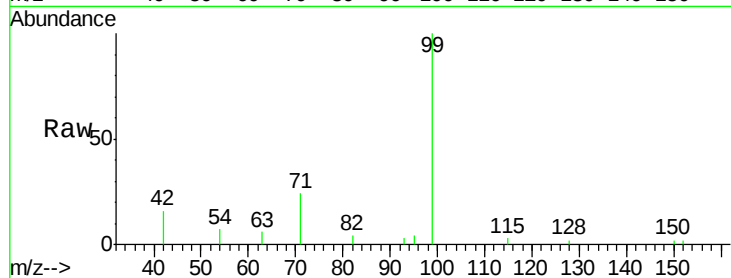
ClientSampleId :

PT-PAH-SOILDL

Tot Ion:	99	Resp:	7676
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

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#7

Naphthalene-d8

Concen: 5.00 ng

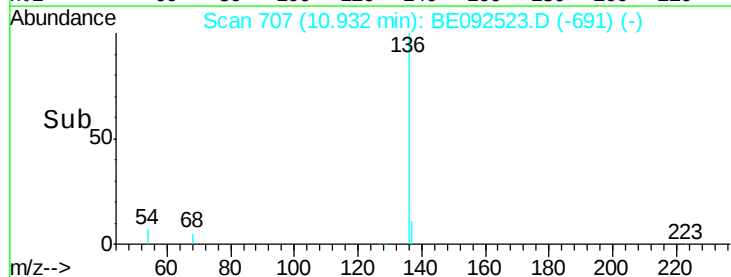
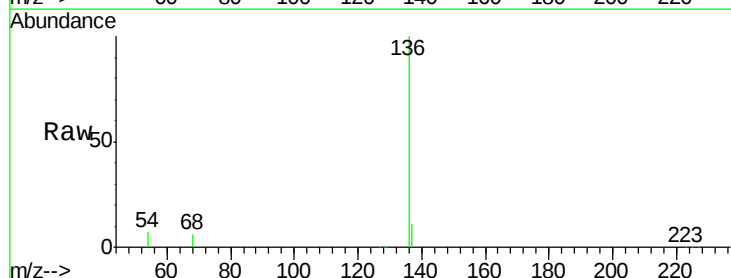
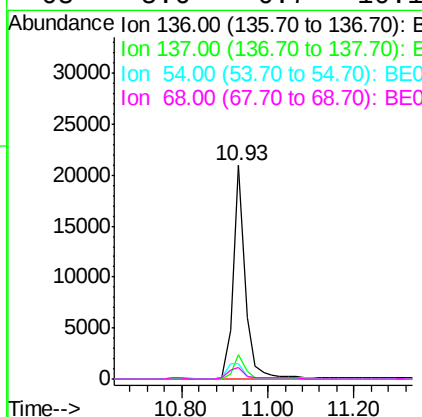
RT: 10.93 min Scan# 707

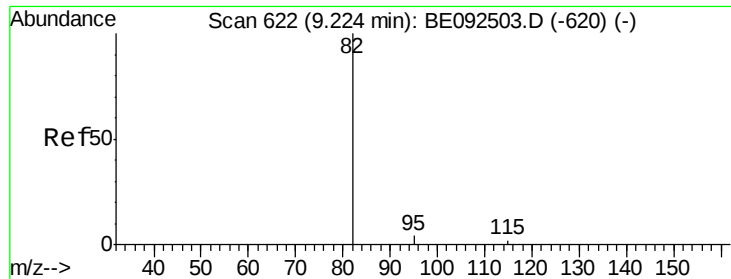
Delta R.T. 0.00 min

Lab File: BE092523.D

Acq: 9 Nov 2016 13:45

Tgt Ion:	136	Resp:	40334
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.2	12.4
54	7.4	9.6	14.4#
68	5.6	6.7	10.1#





#8

Nitrobenzene-d5

Concen: 1.38 ng

RT: 9.34 min Scan# 627

Delta R.T. 0.00 min

Lab File: BE092523.D

Acq: 9 Nov 2016 13:45

Instrument :

BNA_E

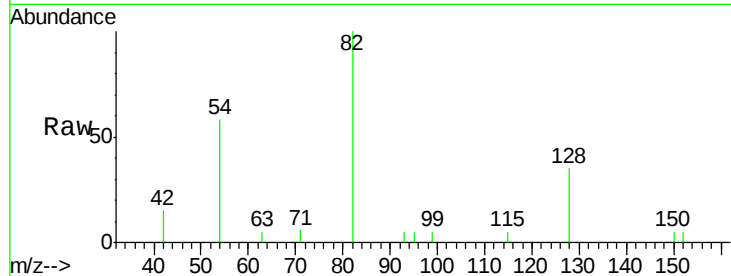
ClientSampleId :

PT-PAH-SOILDL

Tot Ion:	82	Resp:	3661
Ion Ratio	Lower	Upper	
82	100		
128	34.6	39.0	58.4#
54	57.8	44.8	67.2

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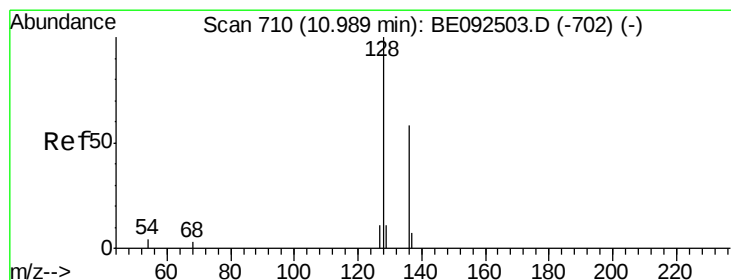
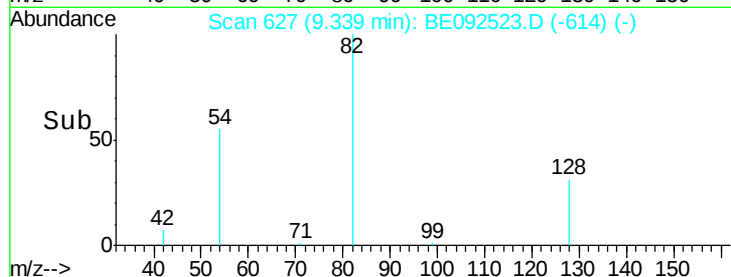
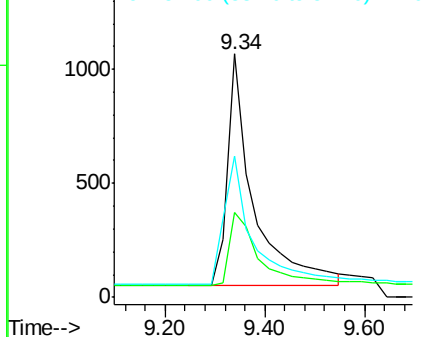
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Abundance Ion 82.00 (81.70 to 82.70): BE092523.D (-614) (-)

Ion 128.00 (127.70 to 128.70): BE092523.D (-614) (-)

Ion 54.00 (53.70 to 54.70): BE092523.D (-614) (-)



#9

Naphthalene

Concen: 5.08 ng

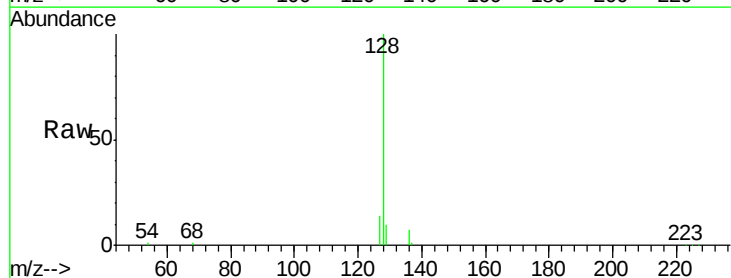
RT: 10.97 min Scan# 709

Delta R.T. -0.02 min

Lab File: BE092523.D

Acq: 9 Nov 2016 13:45

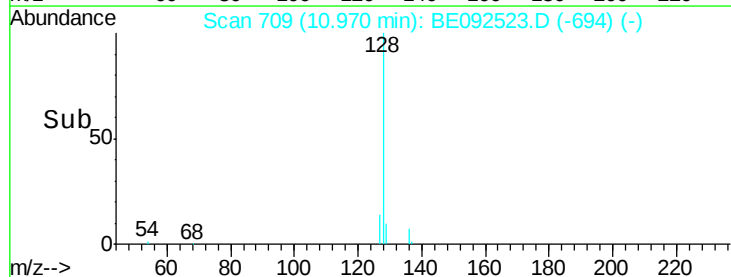
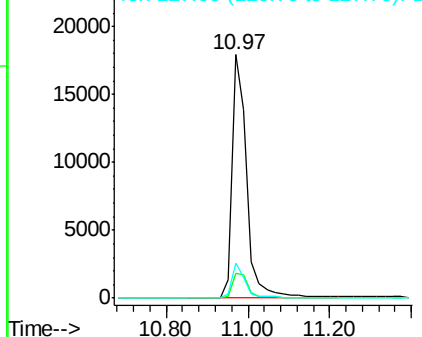
Tgt Ion:	128	Resp:	44312
Ion Ratio	Lower	Upper	
128	100		
129	10.3	11.2	16.8#
127	14.4	11.6	17.4

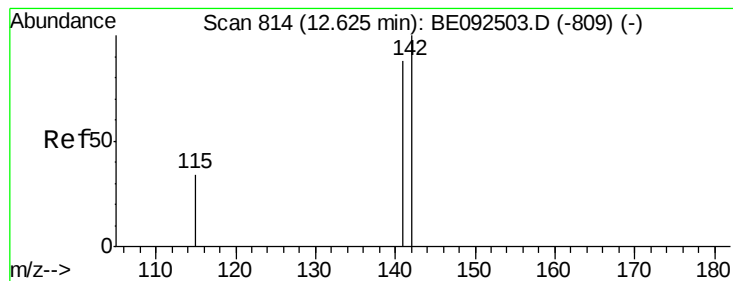


Abundance Ion 128.00 (127.70 to 128.70): BE092523.D (-694) (-)

Ion 129.00 (128.70 to 129.70): BE092523.D (-694) (-)

Ion 127.00 (126.70 to 127.70): BE092523.D (-694) (-)





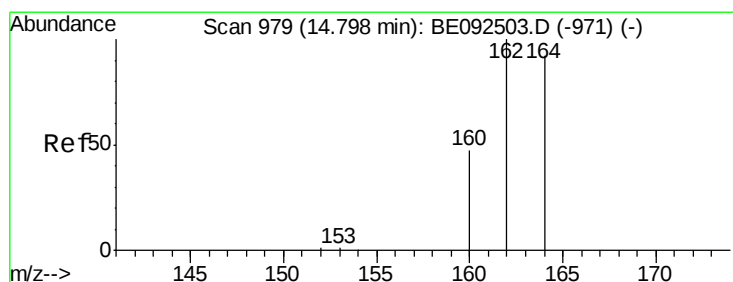
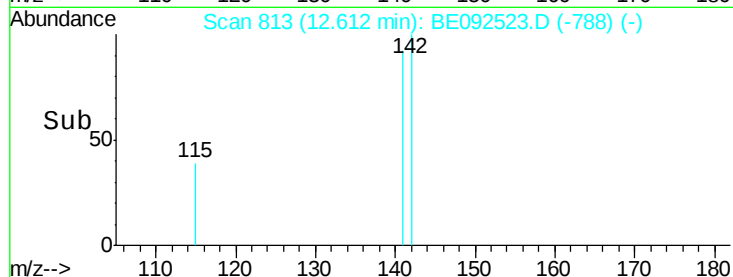
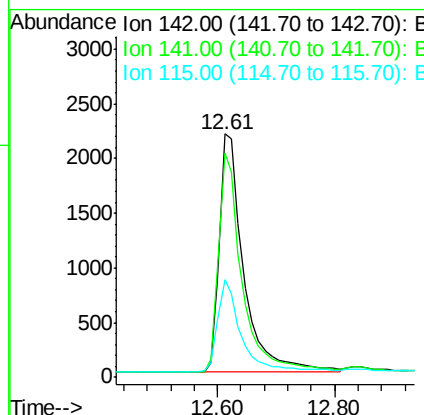
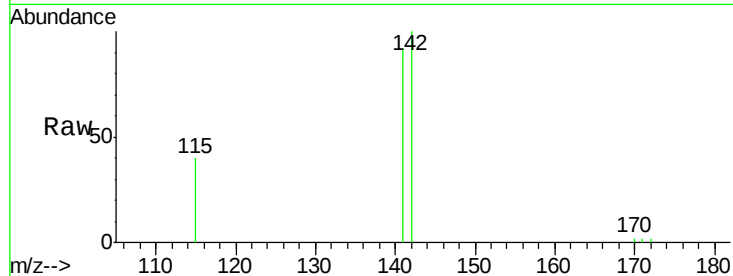
#11
2-Methylnaphthalene
Concen: 1.11 ng
RT: 12.61 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tot Ion:142 Resp: 6282
Ion Ratio Lower Upper
142 100
141 92.4 73.7 110.5
115 40.3 34.0 51.0

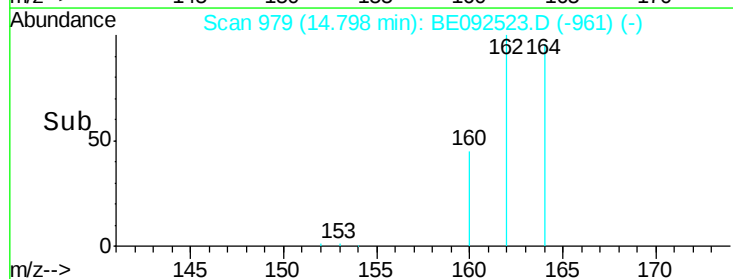
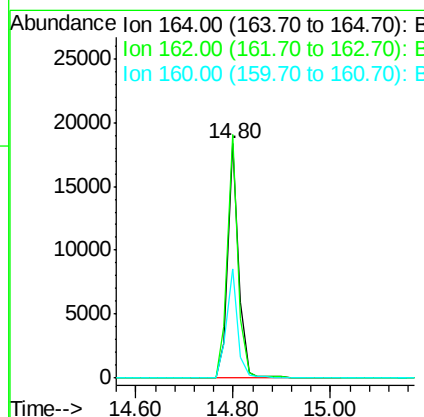
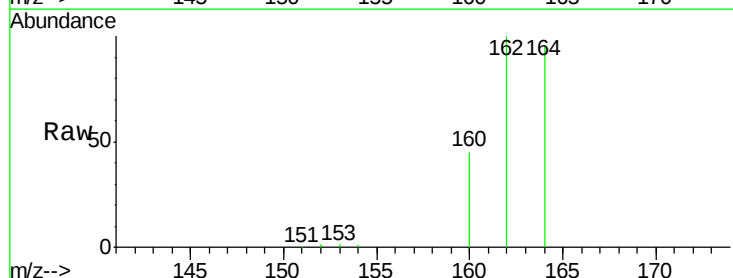
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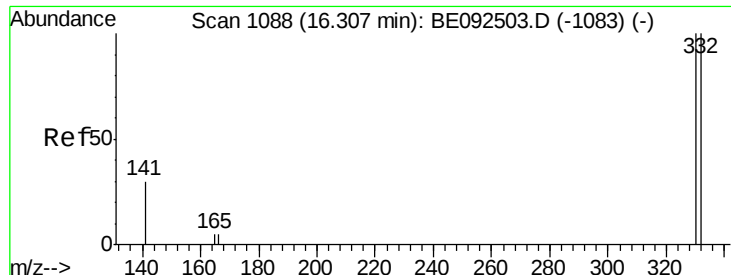
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. 0.00 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Tgt Ion:164 Resp: 28459
Ion Ratio Lower Upper
164 100
162 103.8 71.4 107.0
160 46.7 27.4 41.2#





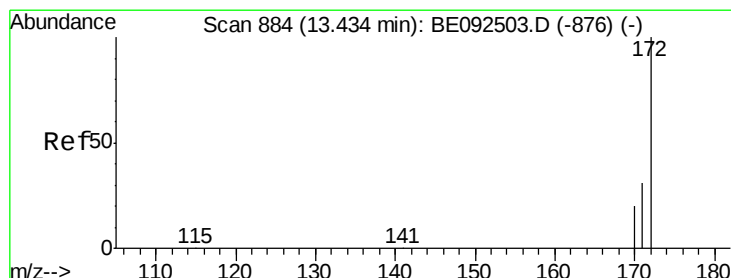
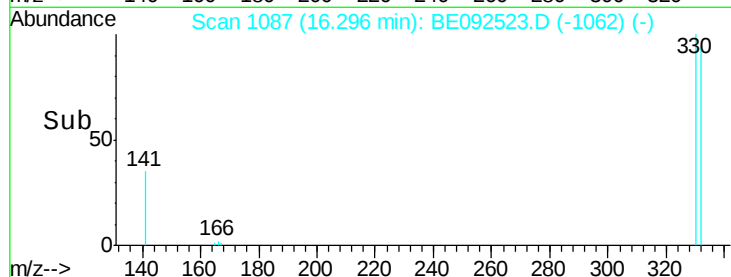
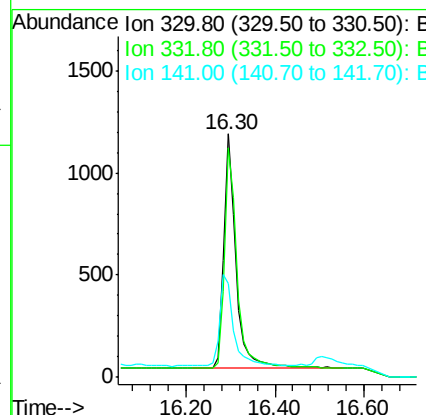
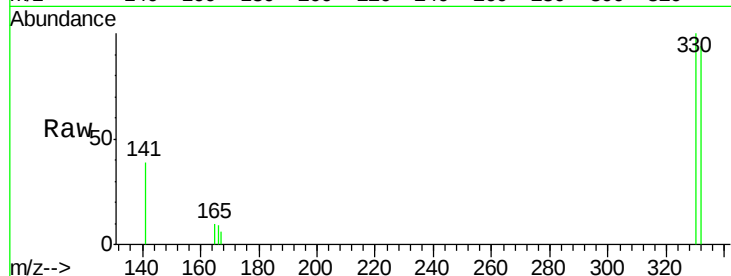
#13
 2,4,6-Tribromophenol
 Concen: 2.36 ng
 RT: 16.30 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092523.D
 Acq: 9 Nov 2016 13:45

Instrument :
 BNA_E
 ClientSampleId :
 PT-PAH-SOILDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	75.4	113.0
141	43.4	31.0	46.6

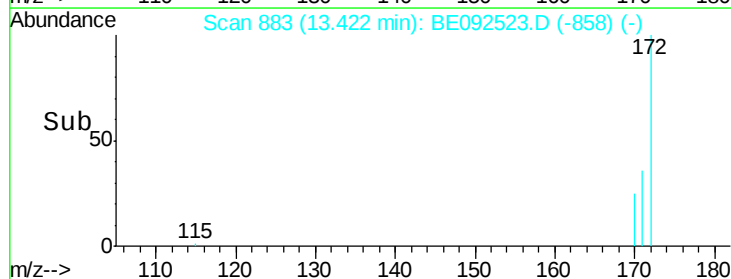
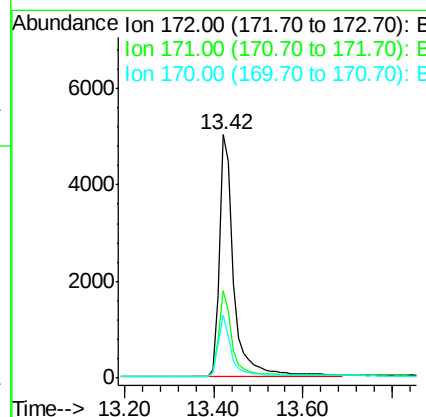
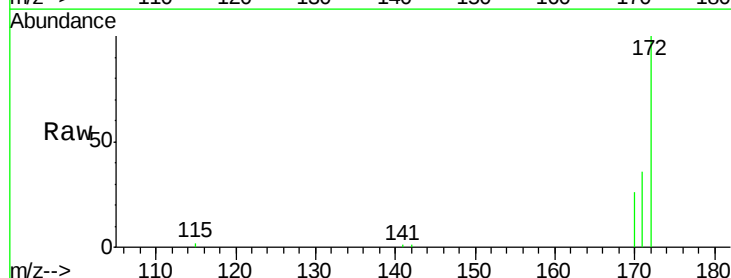
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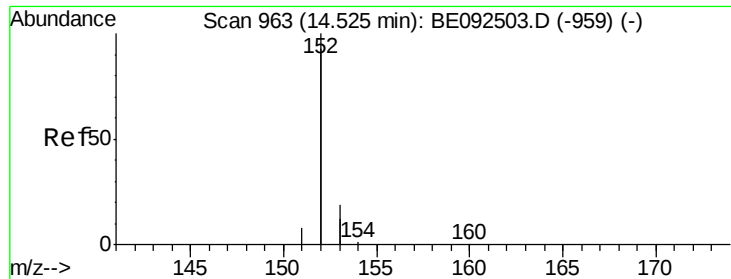
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#14
 2-Fluorobiphenyl
 Concen: 1.58 ng
 RT: 13.42 min Scan# 883
 Delta R.T. -0.01 min
 Lab File: BE092523.D
 Acq: 9 Nov 2016 13:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.1	45.1
170	25.7	21.8	32.6





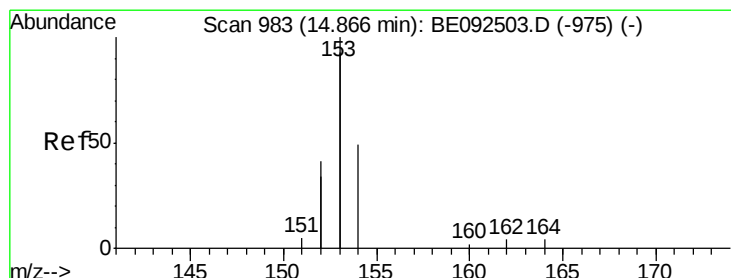
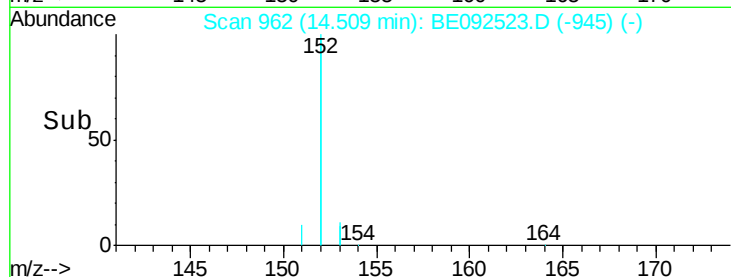
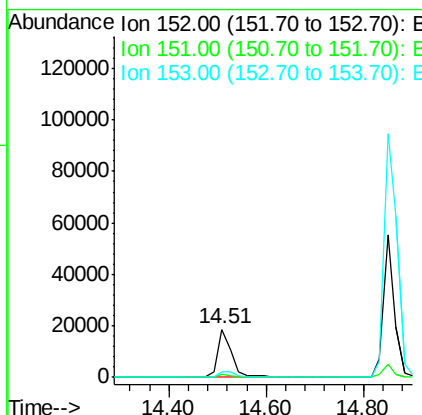
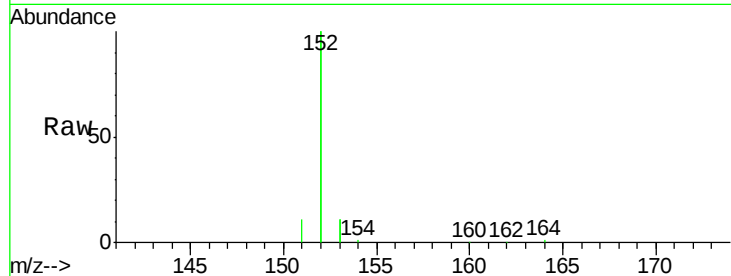
#15
Acenaphthylene
Concen: 0.87 ng
RT: 14.51 min Scan# 962
Delta R.T. -0.02 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tot Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	13.1	10.4	15.6

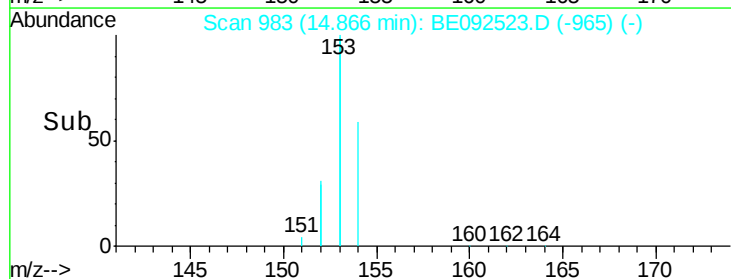
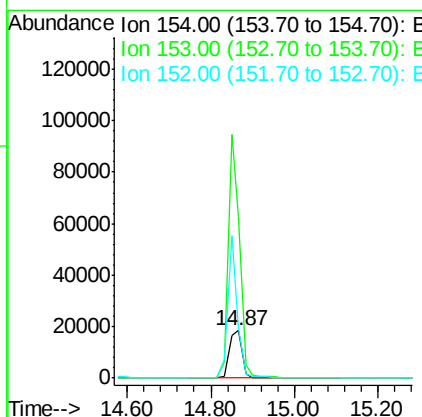
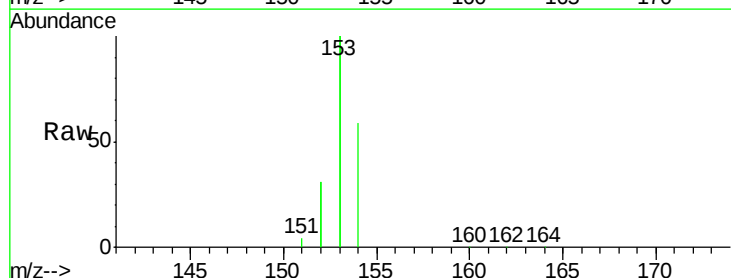
Manual Integrations
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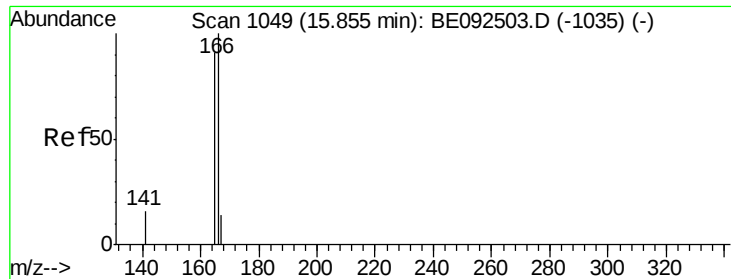
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#16
Acenaphthene
Concen: 5.90 ng
RT: 14.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Tgt Ion	Ratio	Lower	Upper
154	100		
153	449.1	350.8	526.2
152	223.1	171.1	256.7





#17

Fluorene

Concen: 3.02 ng

RT: 15.84 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BE092523.D

Acq: 9 Nov 2016 13:45

Instrument :

BNA_E

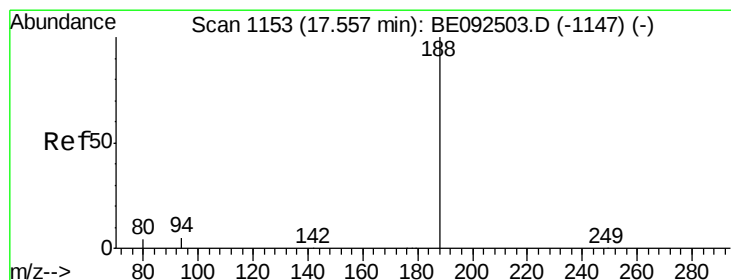
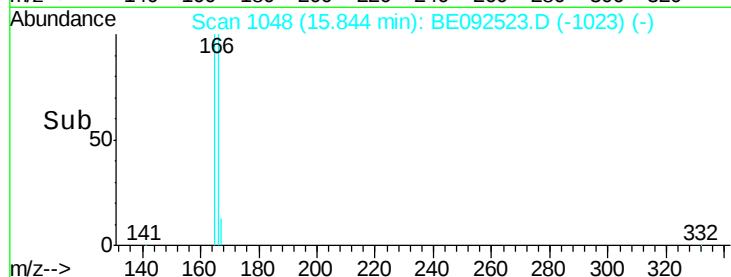
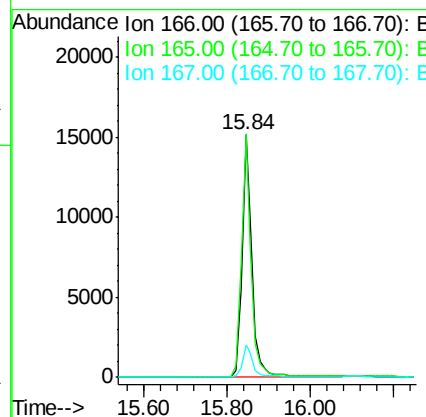
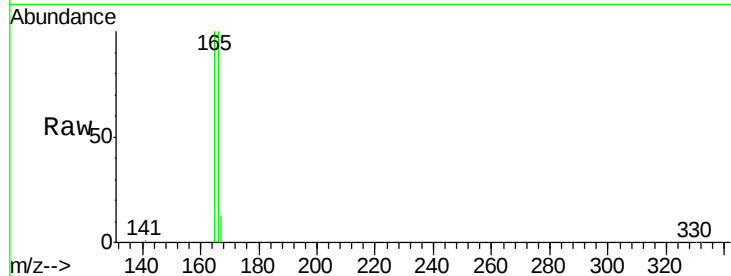
ClientSampleId :

PT-PAH-SOILDL

Tot Ion:	166	Resp:	25051
Ion Ratio	Lower	Upper	
166	100		
165	98.5	78.2	117.4
167	13.4	11.0	16.4

Manual Integrations
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#18

Phenanthrene-d10

Concen: 5.00 ng

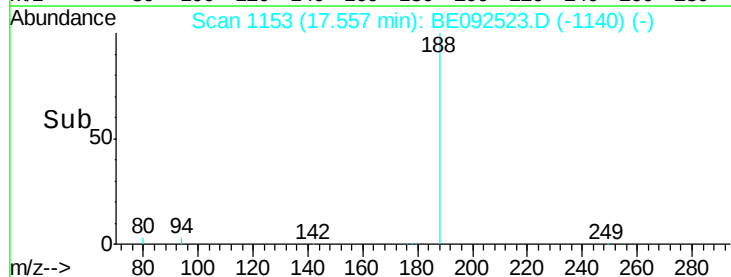
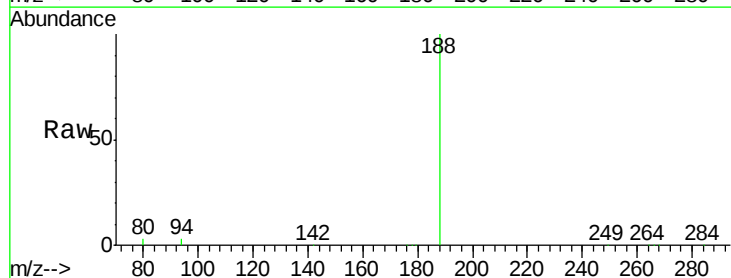
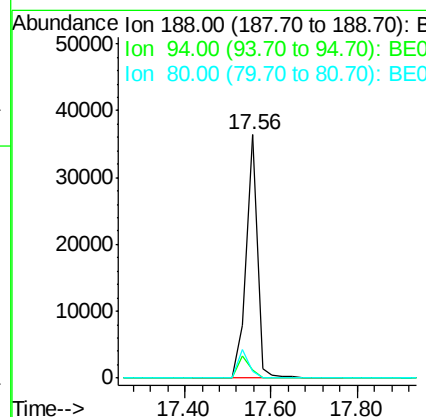
RT: 17.56 min Scan# 1153

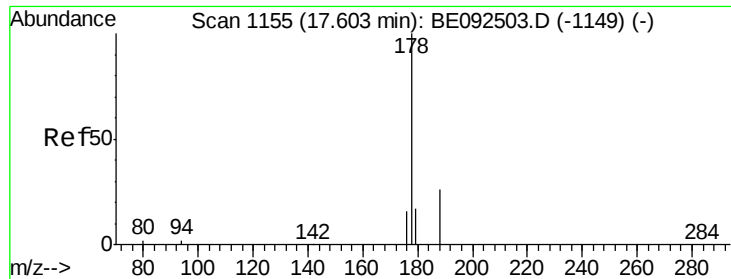
Delta R.T. -0.00 min

Lab File: BE092523.D

Acq: 9 Nov 2016 13:45

Tgt Ion:	188	Resp:	64535
Ion Ratio	Lower	Upper	
188	100		
94	3.3	3.2	4.8
80	2.7	2.6	3.8





#21

Phenanthrene

Concen: 3.84 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BE092523.D

Acq: 9 Nov 2016 13:45

Instrument :

BNA_E

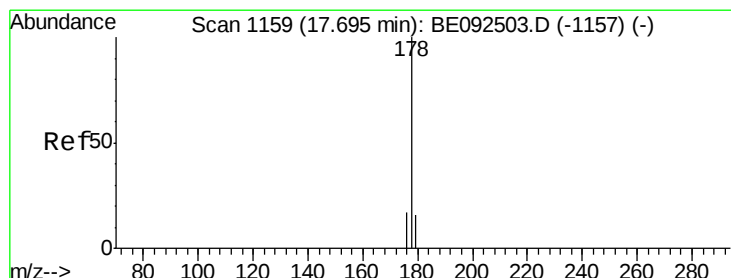
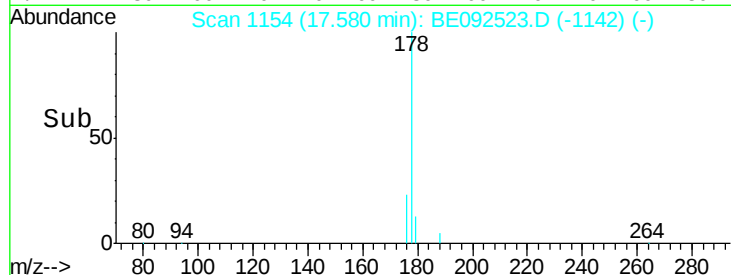
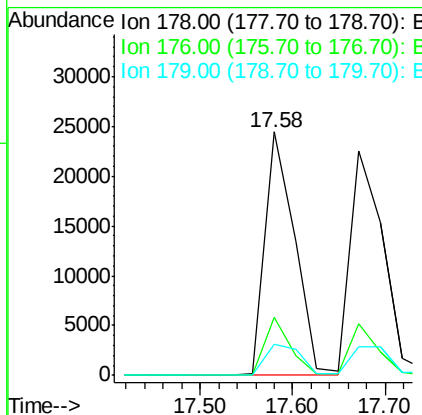
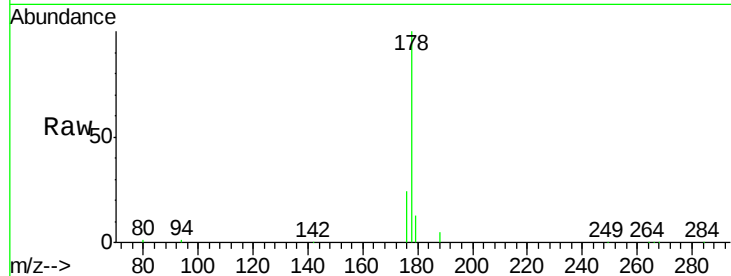
ClientSampleId :

PT-PAH-SOILDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	14.9	16.0	24.0

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#22

Anthracene

Concen: 4.14 ng

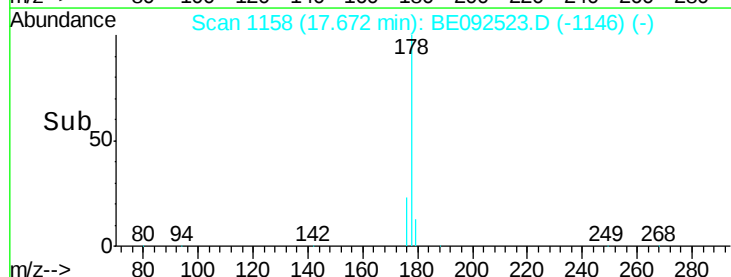
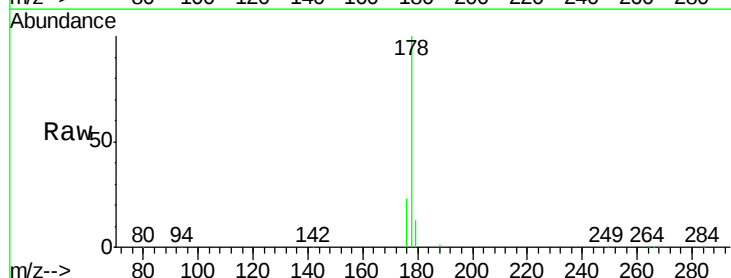
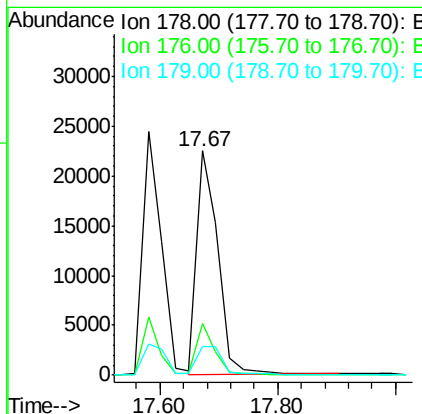
RT: 17.67 min Scan# 1158

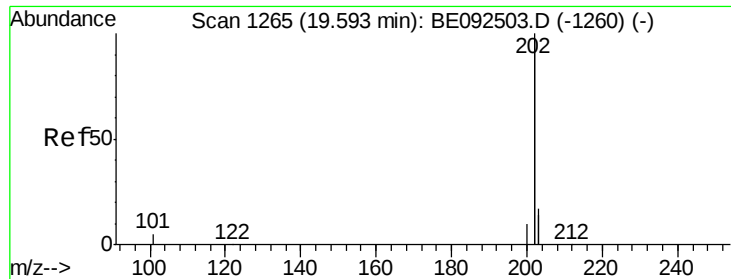
Delta R.T. -0.02 min

Lab File: BE092523.D

Acq: 9 Nov 2016 13:45

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.0	22.4
179	15.1	12.2	18.2





#23

Fluoranthene

Concen: 5.93 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092523.D

Acq: 9 Nov 2016 13:45

Instrument :

BNA_E

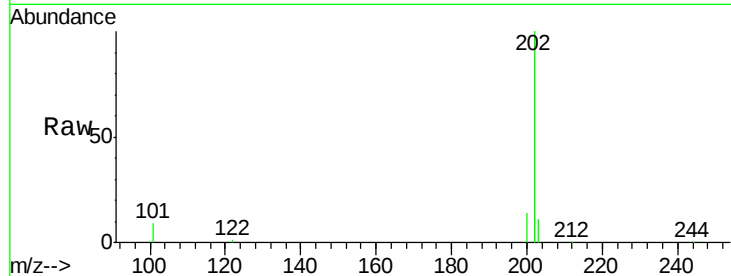
ClientSampled :

PT-PAH-SOILD

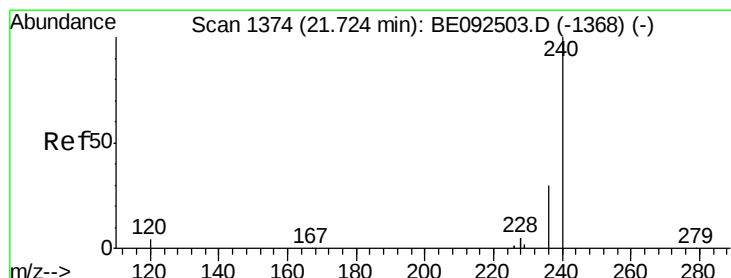
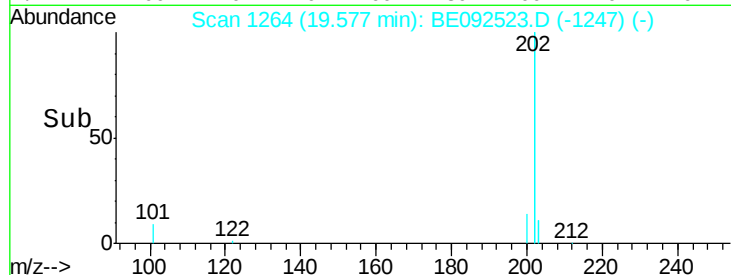
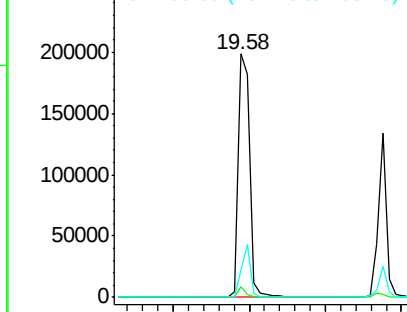
Tot Ion:	202	Resp:	415274
Ion Ratio	Lower	Upper	
202	100		
101	2.9	2.2	3.4
203	17.5	13.7	20.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

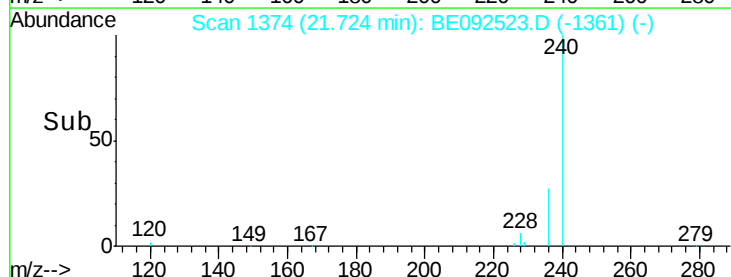
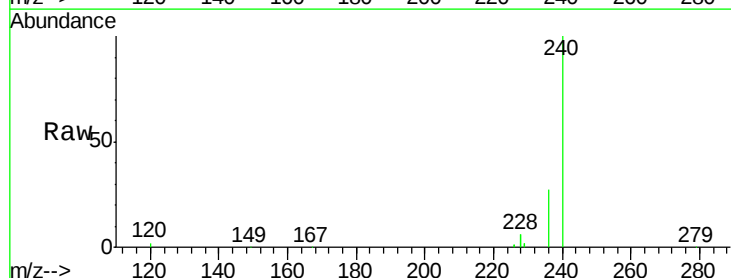
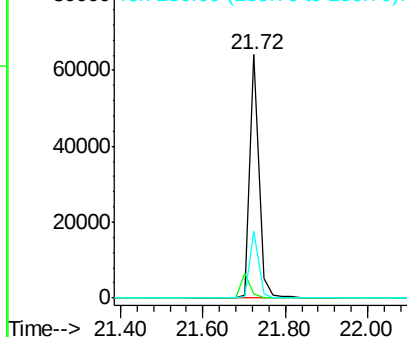
Delta R.T. 0.00 min

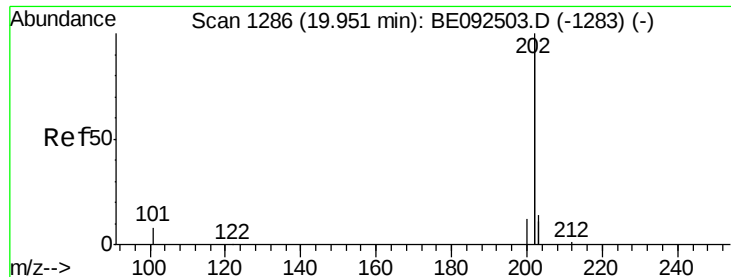
Lab File: BE092523.D

Acq: 9 Nov 2016 13:45

Tgt Ion:	240	Resp:	98052
Ion Ratio	Lower	Upper	
240	100		
120	2.0	2.6	4.0#
236	27.4	24.6	37.0

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





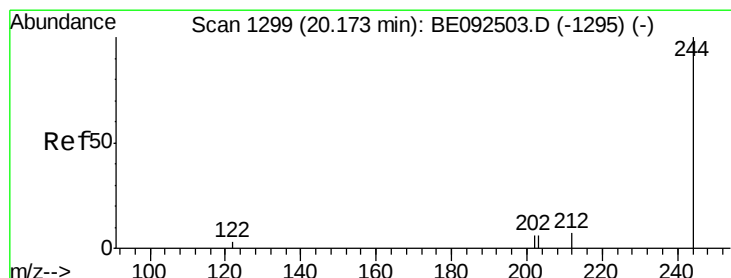
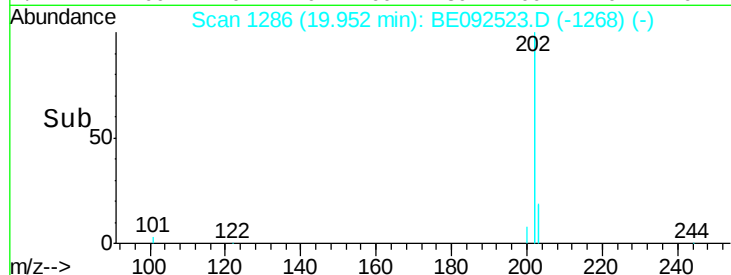
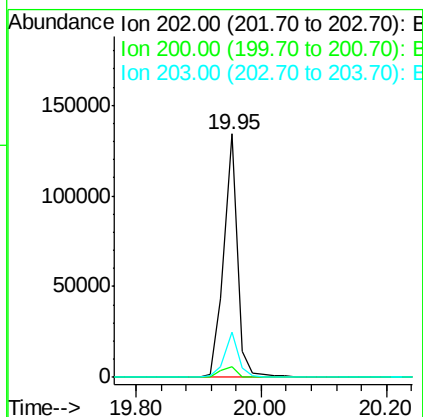
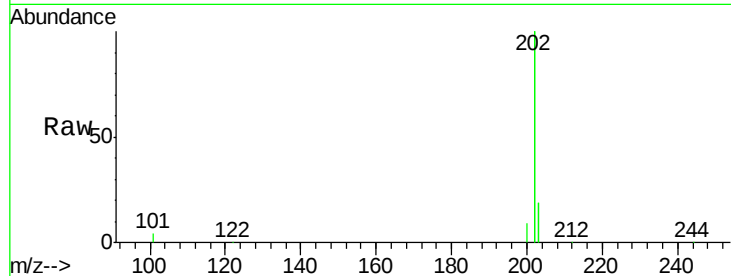
#25
Pvrene
Concen: 2.50 ng
RT: 19.95 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Instrument :
BNA_E
ClientSampled :
PT-PAH-SOILD

Tot Ion	Ratio	Lower	Upper
202	100		
200	5.1	4.2	6.4
203	18.9	13.9	20.9

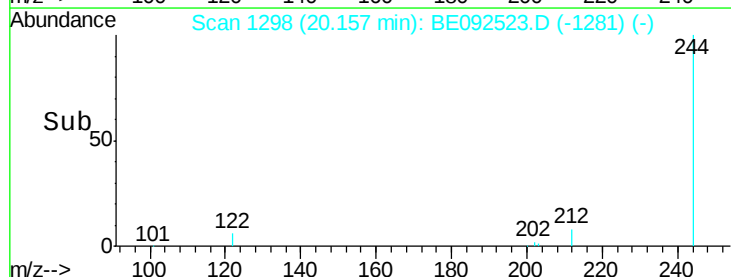
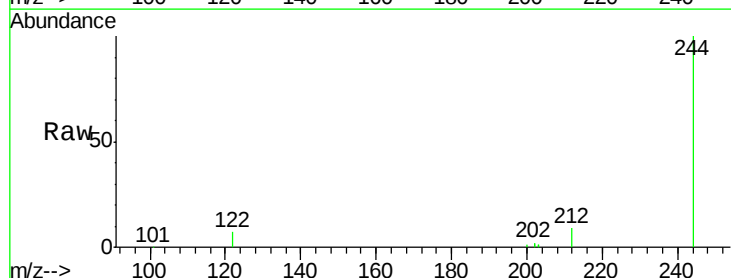
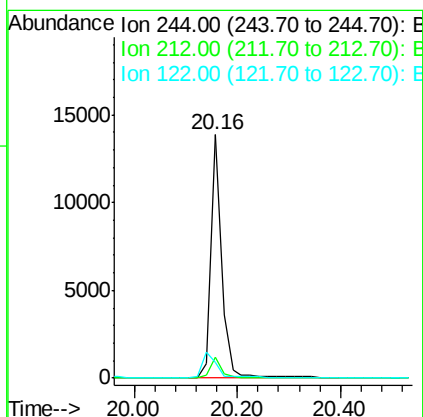
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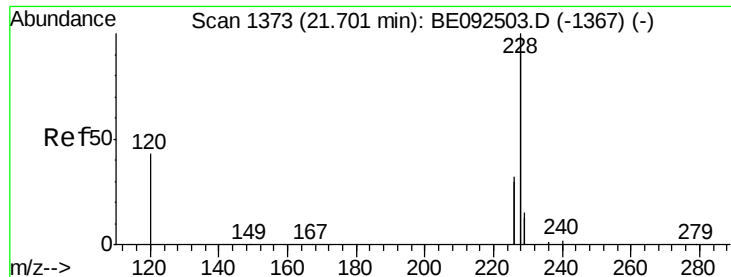
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#26
Terphenyl-d14
Concen: 1.64 ng
RT: 20.16 min Scan# 1298
Delta R.T. -0.02 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.7	10.1
122	6.6	3.6	5.4





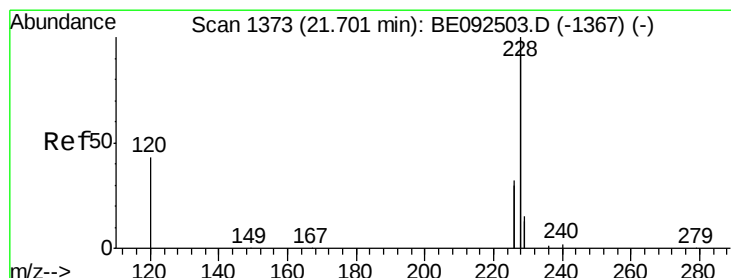
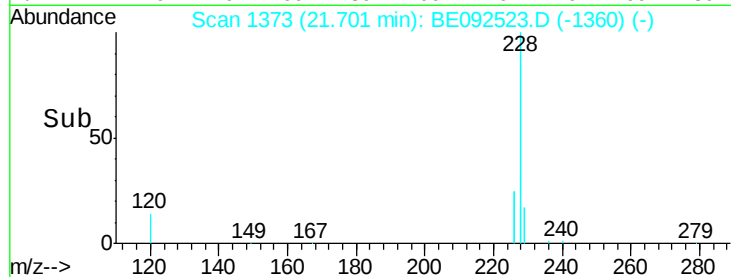
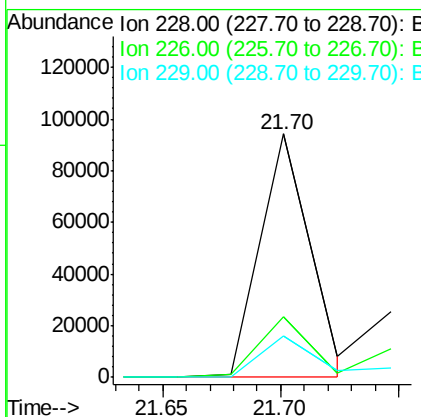
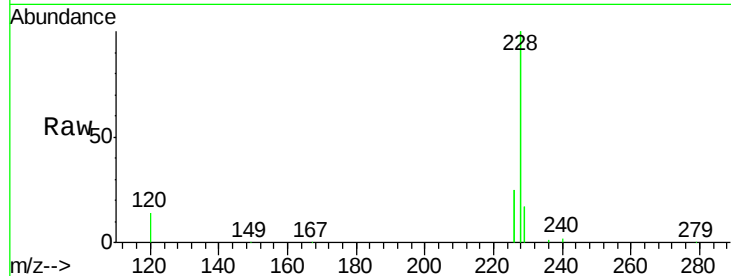
#27
Benzo(a)anthracene
Concen: 1.42 ng m
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	24.8	23.6	35.4
229	17.1	13.3	19.9

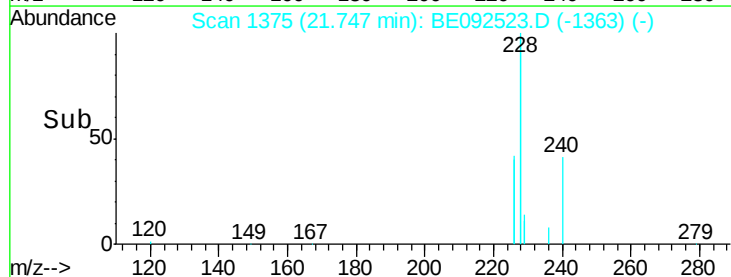
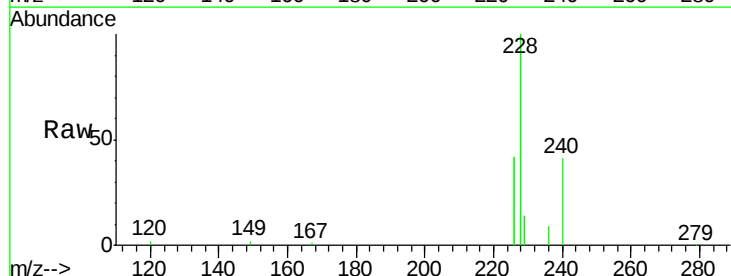
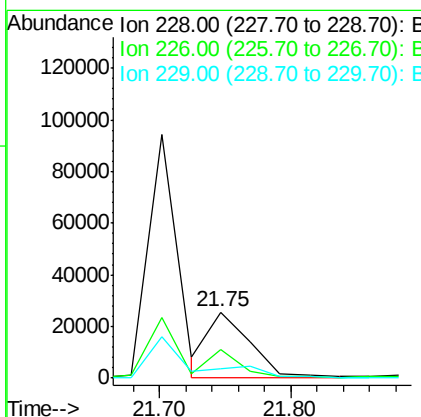
Manual Integrations
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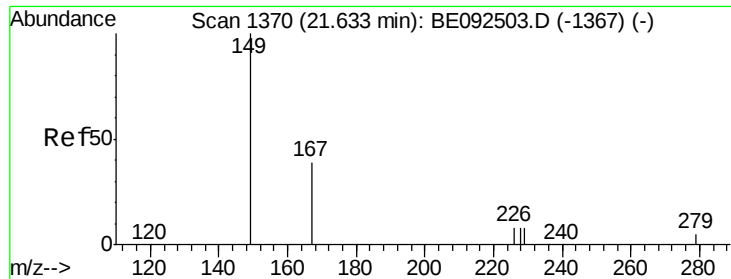
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#28
Chrysene
Concen: 0.59 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	42.4	36.3	54.5
229	14.2	10.6	16.0





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.12 ng

RT: 21.61 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BE092523.D

Acq: 9 Nov 2016 13:45

Instrument :

BNA_E

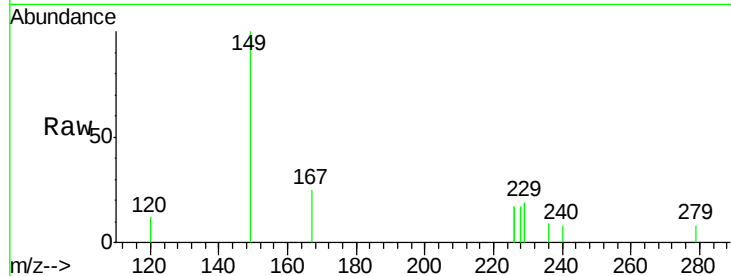
ClientSampleId :

PT-PAH-SOILDL

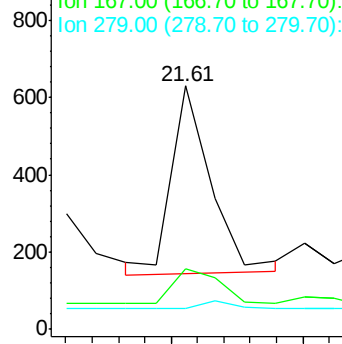
Tot Ion:	149	Resp:	1016
Ion Ratio	Lower	Upper	
149	100		
167	23.2	16.0	24.0
279	0.0	16.0	24.0

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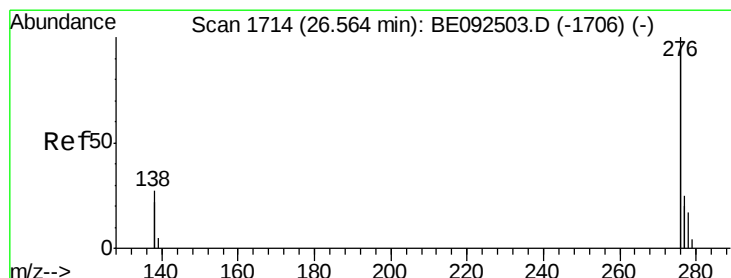
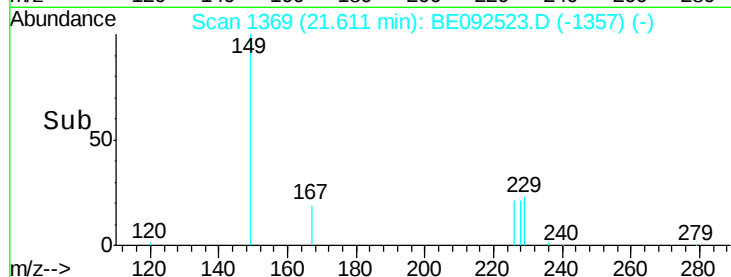
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->



#30

Indeno(1,2,3-cd)pyrene

Concen: 1.23 ng

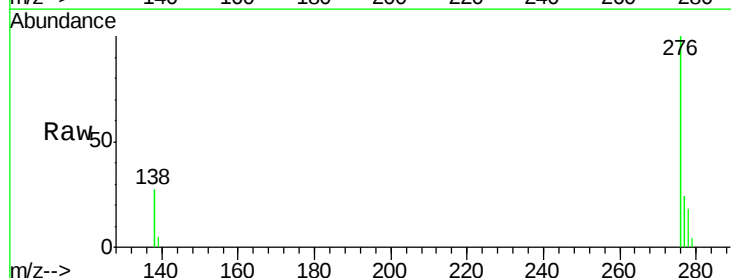
RT: 26.55 min Scan# 1713

Delta R.T. -0.02 min

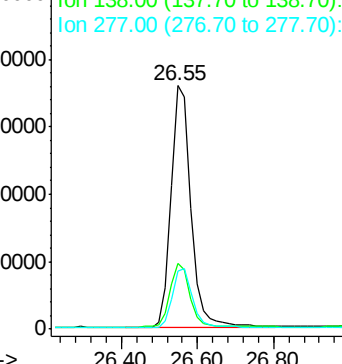
Lab File: BE092523.D

Acq: 9 Nov 2016 13:45

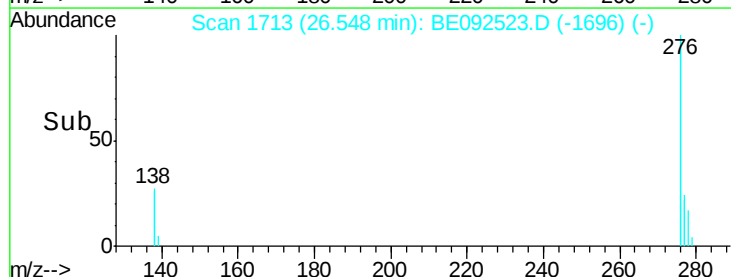
Tgt Ion:	276	Resp:	133668
Ion Ratio	Lower	Upper	
276	100		
138	27.0	20.3	30.5
277	24.6	19.7	29.5

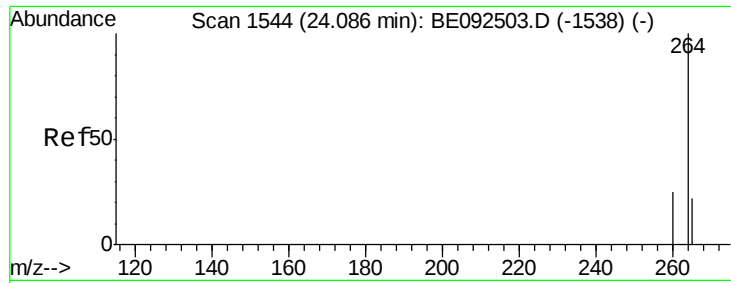


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time-->





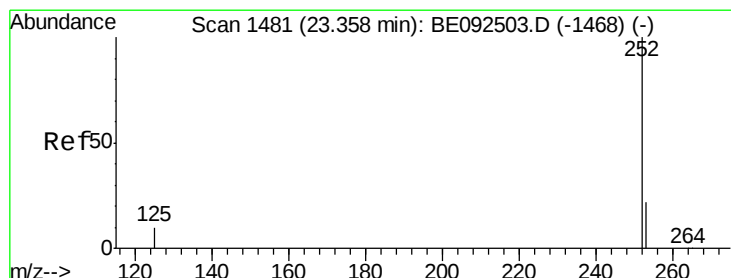
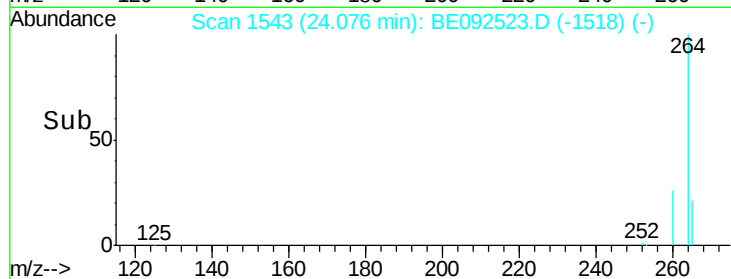
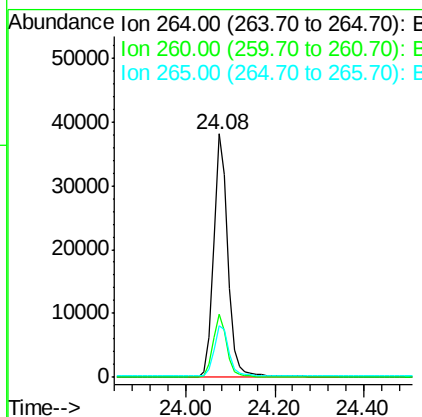
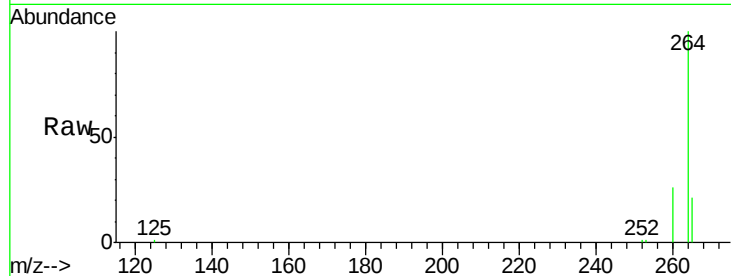
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.08 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.1	30.1
265	21.4	17.9	26.9

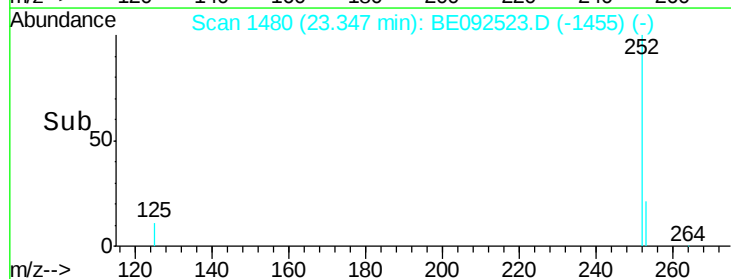
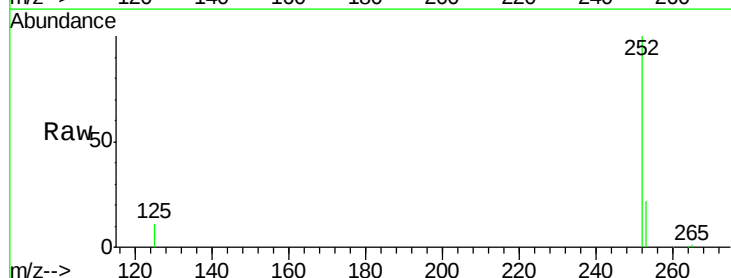
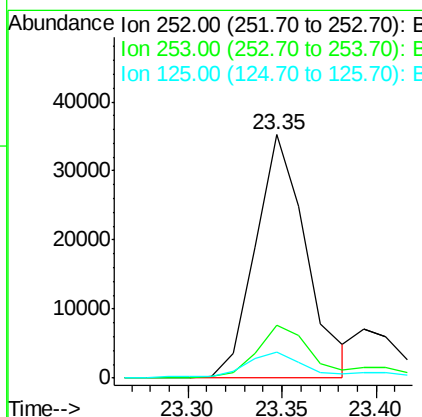
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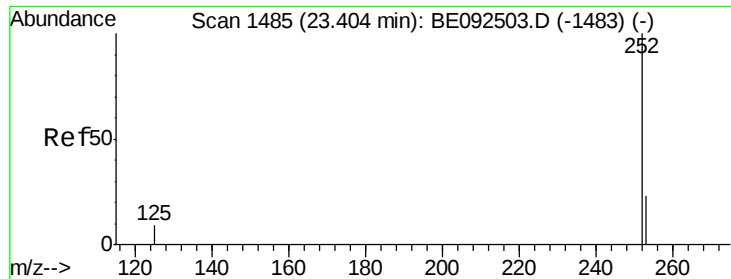
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#32
Benzo(b)fluoranthene
Concen: 2.99 ng m
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.7	28.1
125	10.9	10.5	15.7





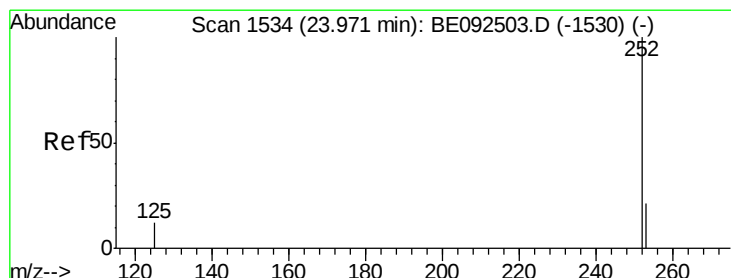
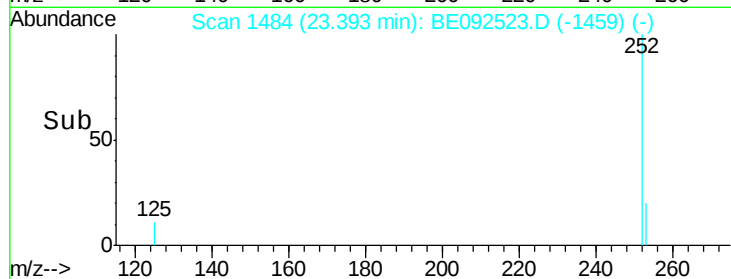
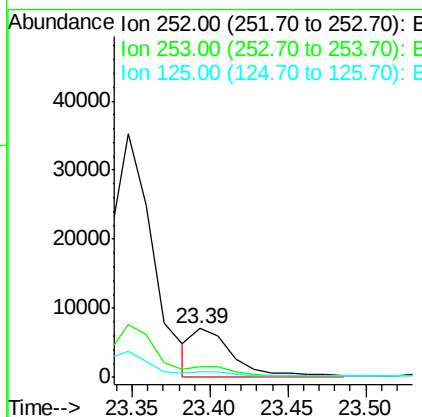
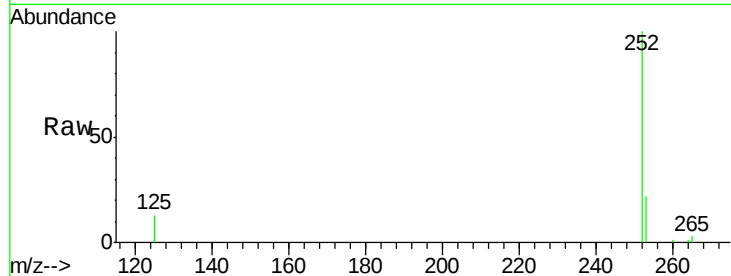
#33
Benzo(k)fluoranthene
Concen: 0.40 ng m
RT: 23.39 min Scan# 1484
Delta R.T. -0.01 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Instrument :
BNA_E
ClientSampleId :
PT-PAH-SOILDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	20.3	30.5
125	12.6	9.6	14.4

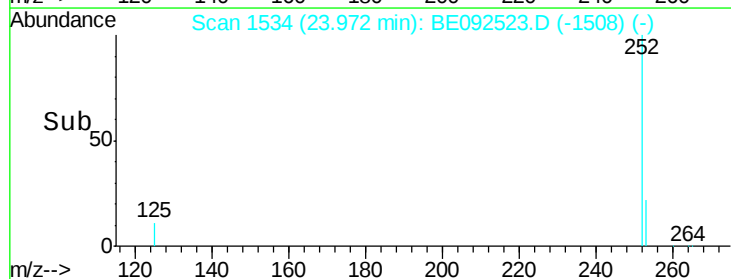
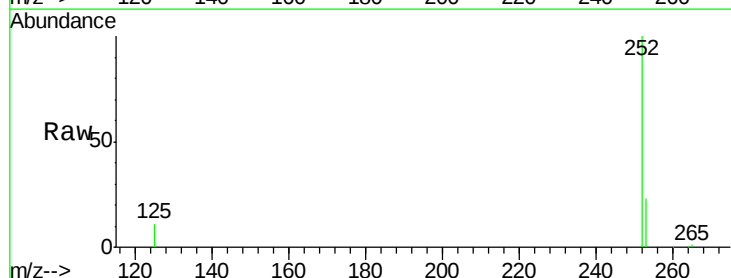
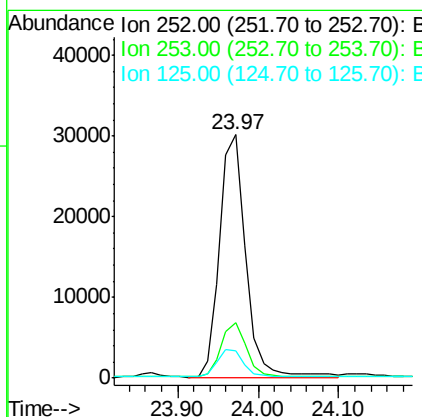
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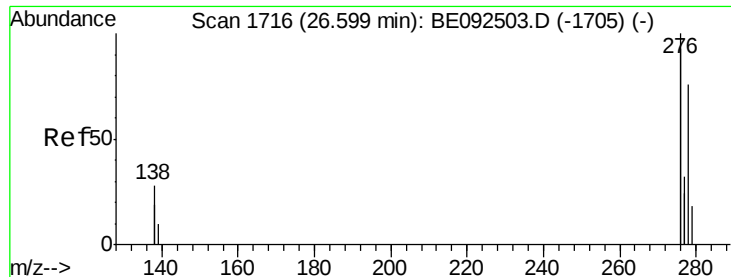
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#34
Benzo(a)pyrene
Concen: 3.11 ng
RT: 23.97 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.0	28.6
125	11.2	11.8	17.8#





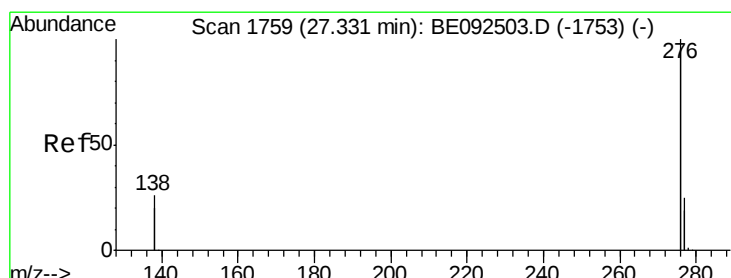
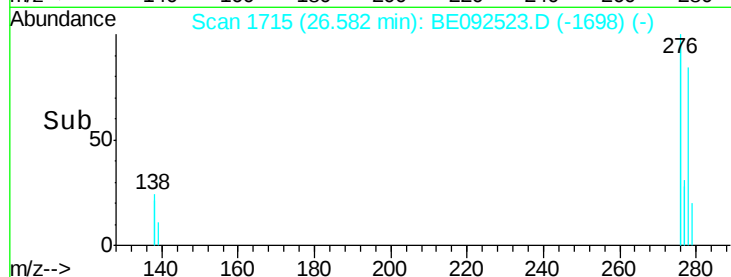
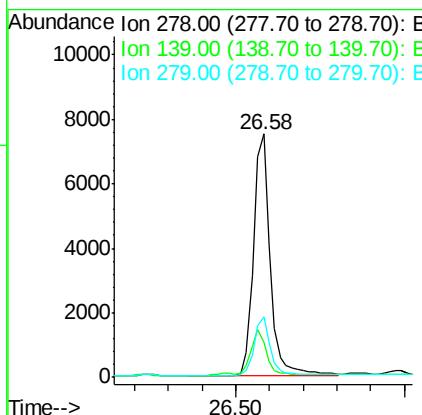
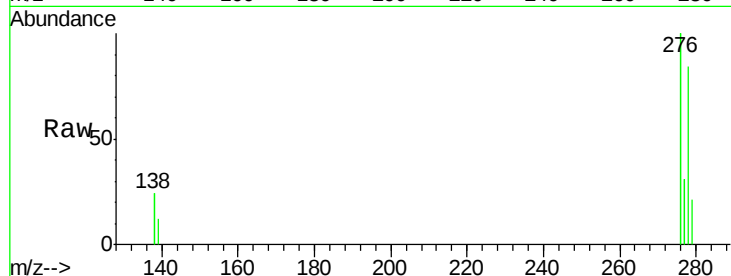
#35
Dibenzo(a,h)anthracene
Concen: 1.28 ng
RT: 26.58 min Scan# 1715
Delta R.T. -0.02 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Instrument :
BNA_E
ClientSampled :
PT-PAH-SOILDL

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.1	13.8	20.8
279	25.0	21.4	32.2

Manual Integrations
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#36
Benzo(g,h,i)perylene
Concen: 1.46 ng
RT: 27.31 min Scan# 1758
Delta R.T. -0.02 min
Lab File: BE092523.D
Acq: 9 Nov 2016 13:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.8	29.8
138	23.7	19.8	29.6

