

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101617\
 Data File : BE094418.D
 Acq On : 16 Oct 2017 15:29
 Operator : SJ/JU
 Sample : I5266-21
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

Manual Integrations
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Sohil
 10/17/2017 5:14:29 PM

Quant Time: Oct 16 19:47:49 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 16 14:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	1202	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	6299	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	3860	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	6442	0.40	ng	-0.03
27) Chrysene-d12	21.43	240	9627	0.40	ng	0.00
34) Perylene-d12	23.96	264	9232	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.53	112	1815	0.45	ng	0.00
5) Phenol-d6	7.12	99	2540	0.40	ng	0.00
8) Nitrobenzene-d5	9.08	82	2231	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.29	152	4207	0.43	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	550m	0.37	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	5757	0.42	ng	0.00
25) Fluoranthene-d10	19.29	212	49660	0.48	ng	0.00
29) Terphenyl-d14	19.87	244	8191	0.42	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.74	128	253881	3.604	ng	99
16) Acenaphthylene	14.24	152	99381	4.748	ng	100
17) Acenaphthene	14.58	154	179878	13.648	ng	98
18) Fluorene	15.56	166	70007	4.119	ng	99
23) Phenanthrene	17.30	178	43386	1.711	ng	# 88
24) Anthracene	17.37	178	46531m	2.376	ng	
26) Fluoranthene	19.32	202	21846	0.694	ng	99
28) Pyrene	19.67	202	68357	1.882	ng	99
30) Benzo(a)anthracene	21.40	228	121298	3.643	ng	# 62
31) Chrysene	21.46	228	88356	2.757	ng	# 64
33) Indeno(1,2,3-cd)pyrene	26.65	276	22359	0.693	ng	99
35) Benzo(b)fluoranthene	23.18	252	19535	0.624	ng	# 44
36) Benzo(k)fluoranthene	23.23	252	126496	4.100	ng	# 39
37) Benzo(a)pyrene	23.85	252	35507	1.206	ng	# 35
38) Dibenzo(a,h)anthracene	26.66	278	23298	0.836	ng	# 47
39) Benzo(g,h,i)perylene	27.49	276	89241	3.330	ng	# 53

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

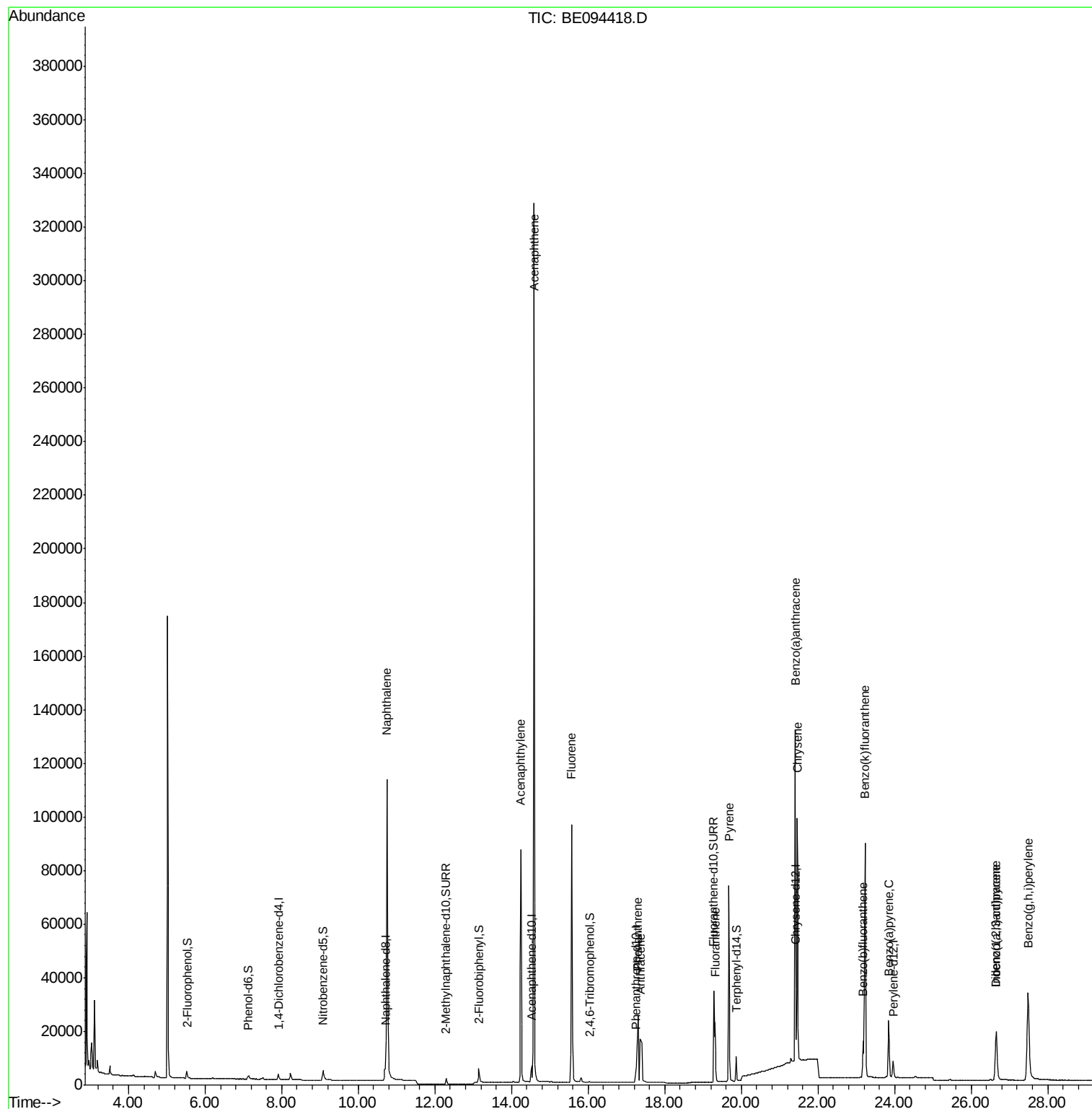
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101617\
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#1

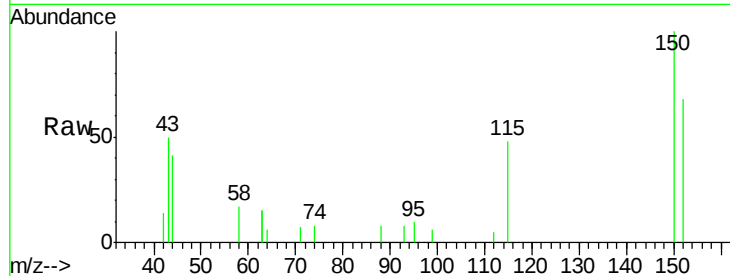
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

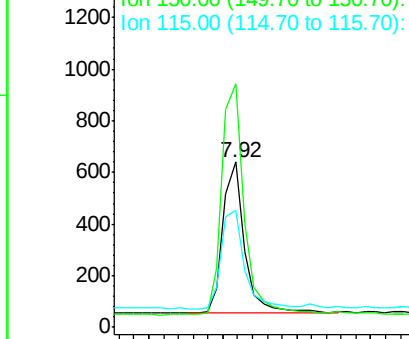
Tgt Ion	Ratio	Lower	Upper
152	100		
150	147.1	117.2	175.8
115	71.0	57.0	85.6

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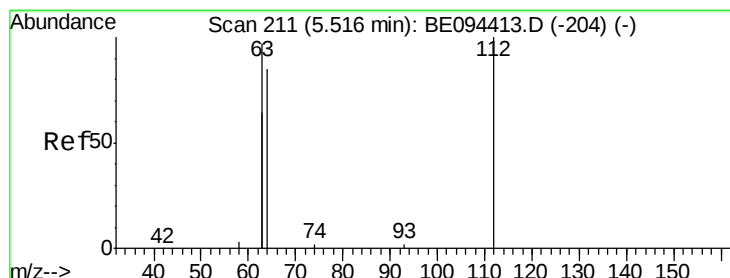
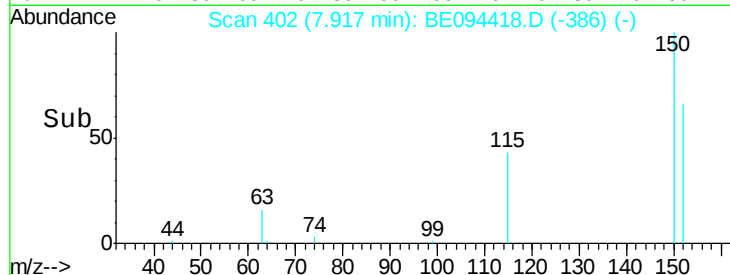
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



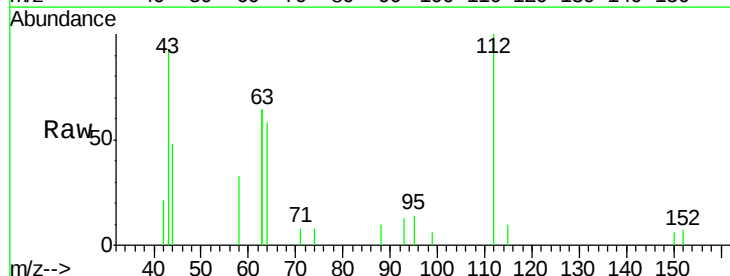
Time-->



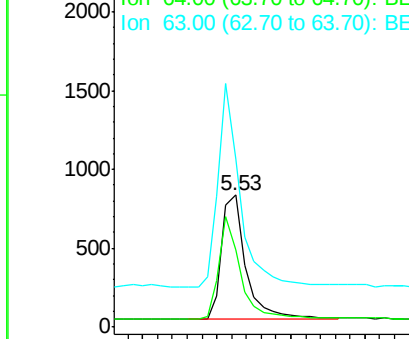
#4

2-Fluorophenol
Concen: 0.447 ng
RT: 5.53 min Scan# 212
Delta R.T. 0.01 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

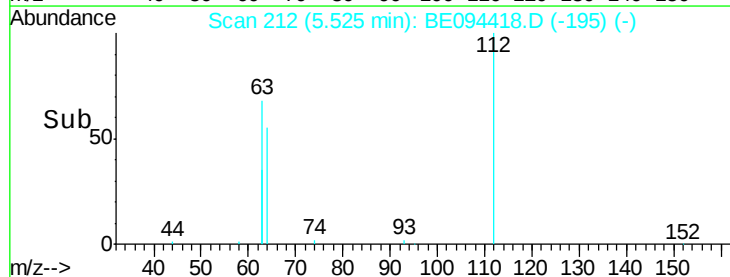
Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.8	60.1	90.1
63	149.6	116.8	175.2

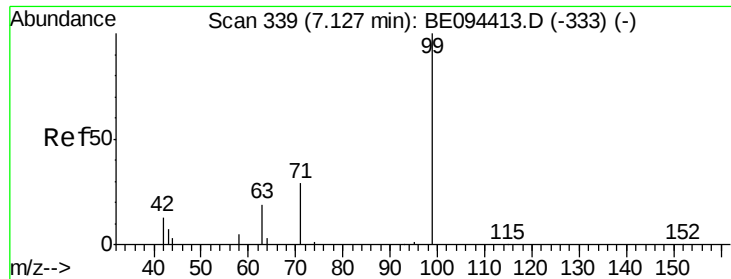


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0



Time-->





#5

Phenol-d6

Concen: 0.401 ng

RT: 7.12 min Scan# 339

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

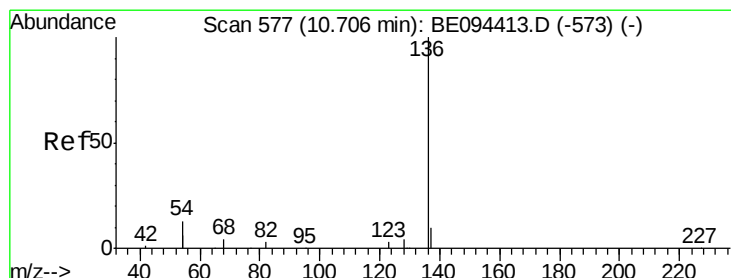
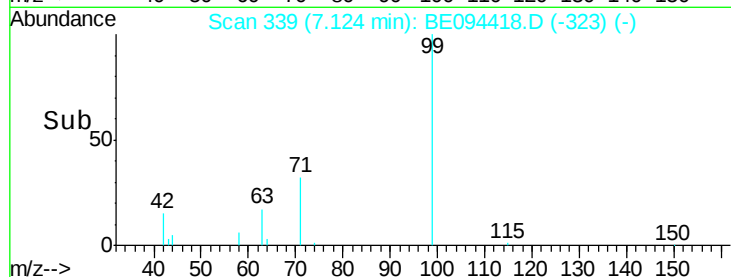
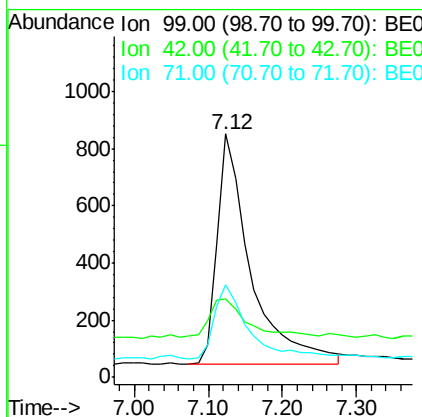
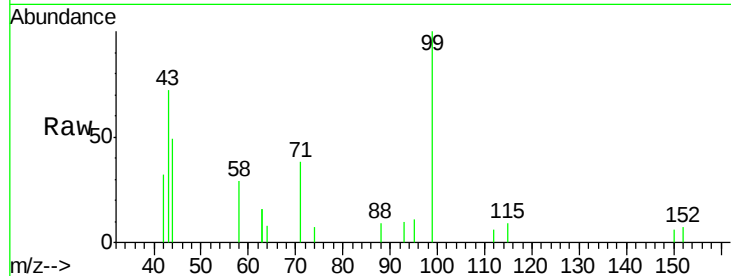
ClientSampled :

RR-PAH-WP

Tgt Ion:	99	Resp:	2540
Ion	Ratio	Lower	Upper
99	100		
42	18.7	20.2	30.2#
71	32.4	28.4	42.6

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#7

Naphthalene-d8

Concen: 0.400 ng

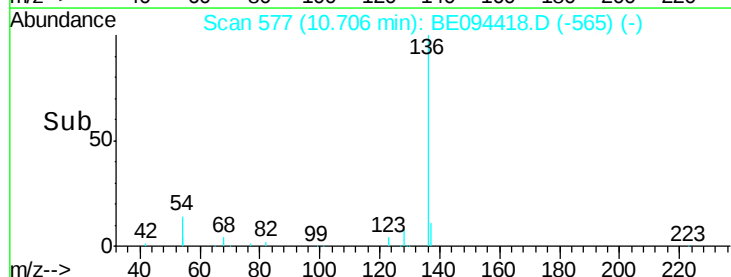
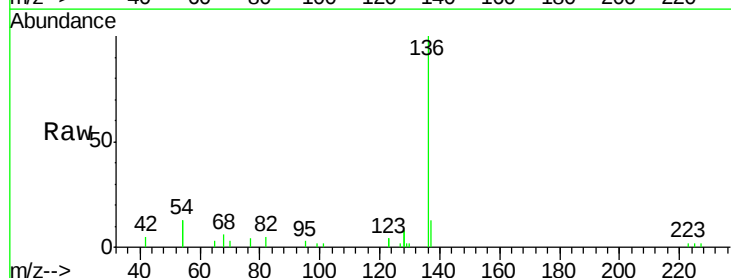
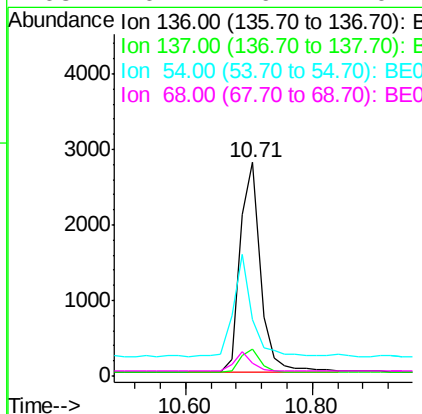
RT: 10.71 min Scan# 577

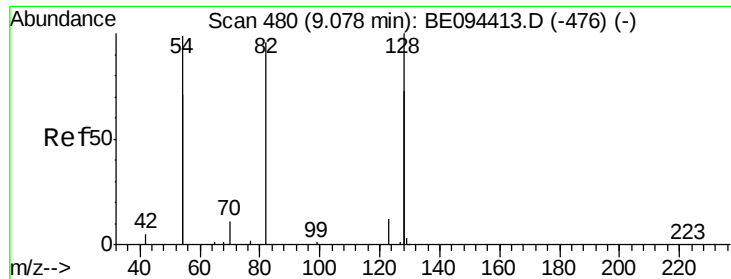
Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Tgt Ion:	136	Resp:	6299
Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.5	14.3
54	26.6	29.1	43.7#
68	6.1	6.2	9.2#





#8

Nitrobenzene-d5

Concen: 0.408 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

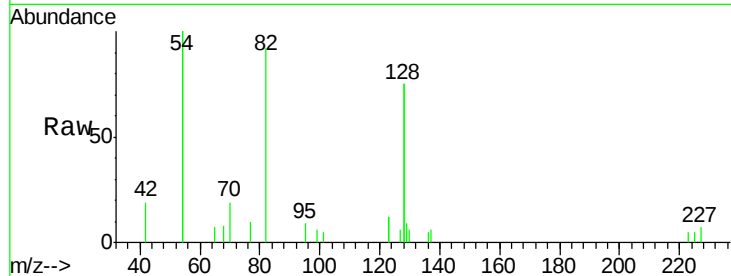
ClientSampled :

RR-PAH-WP

Tgt Ion:	82	Resp:	2231
Ion Ratio	Lower	Upper	
82	100		
128	163.8	150.0	225.0
54	218.1	154.2	231.4

Manual Integrations
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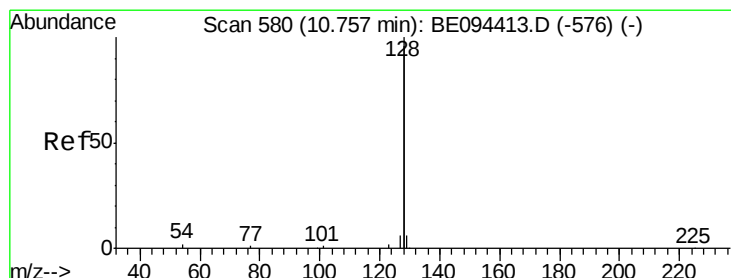
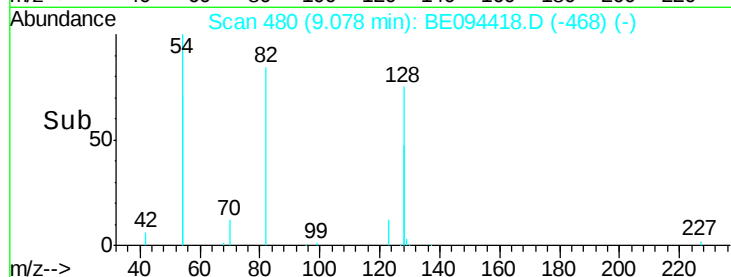
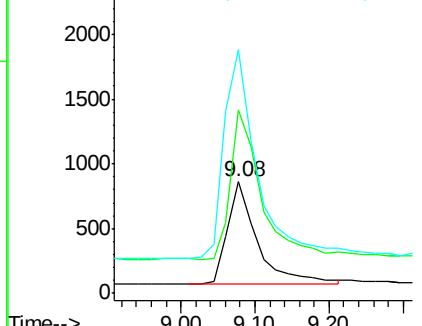
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Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 3.604 ng

RT: 10.74 min Scan# 579

Delta R.T. -0.02 min

Lab File: BE094418.D

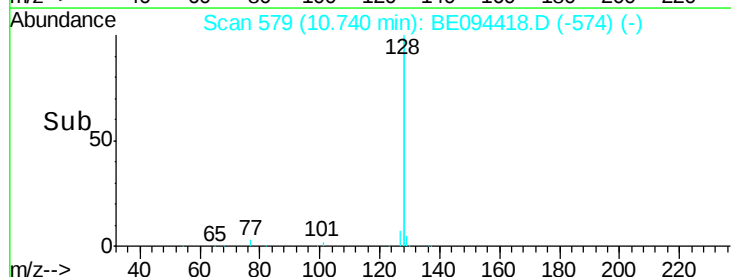
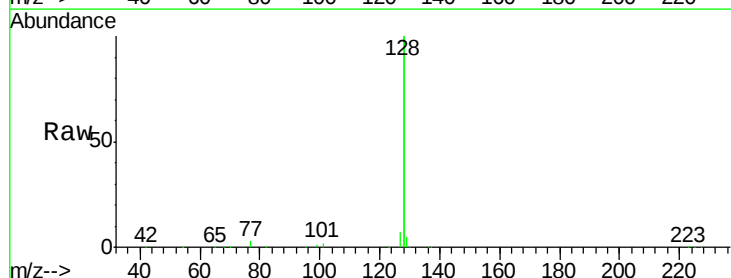
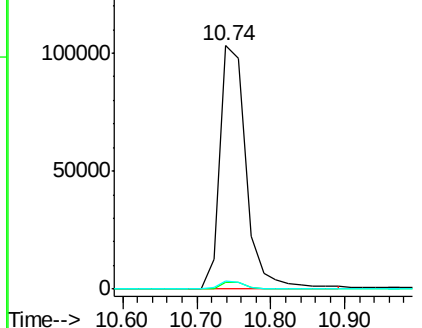
Acq: 16 Oct 2017 15:29

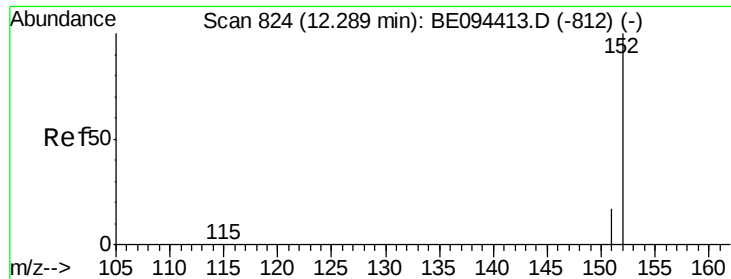
Tgt Ion:	128	Resp:	253881
Ion Ratio	Lower	Upper	
128	100		
129	2.7	2.6	3.8
127	3.5	2.8	4.2

Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





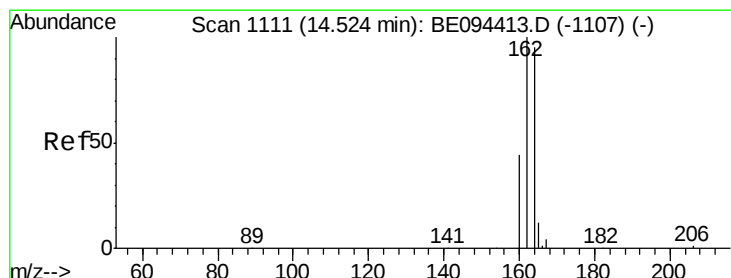
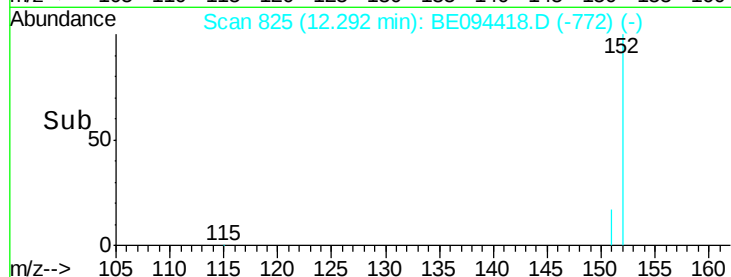
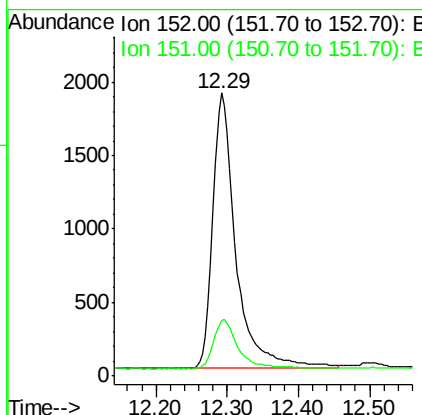
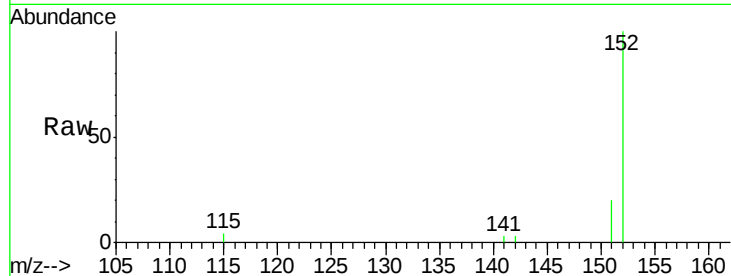
#11
2-Methylnaphthalene-d10
Concen: 0.433 ng
RT: 12.29 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:152 Resp: 4207
Ion Ratio Lower Upper
152 100
151 18.6 15.4 23.0

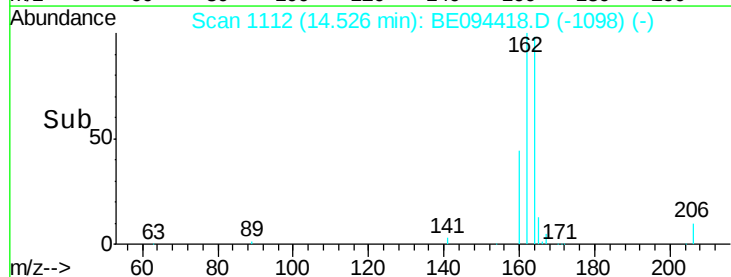
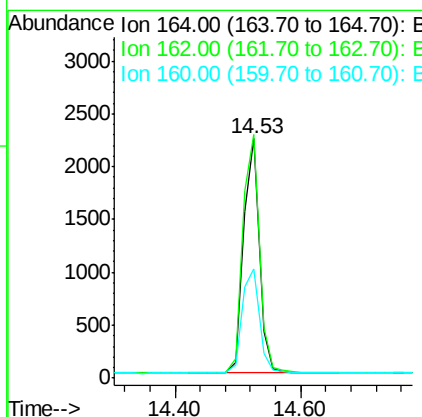
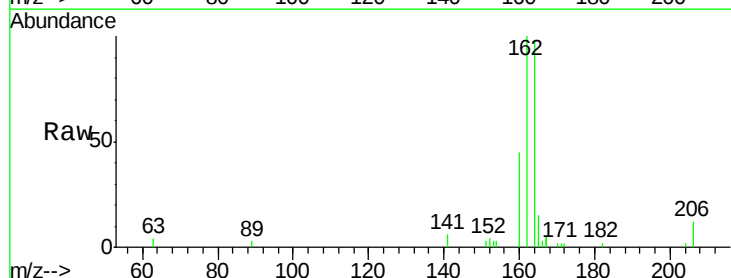
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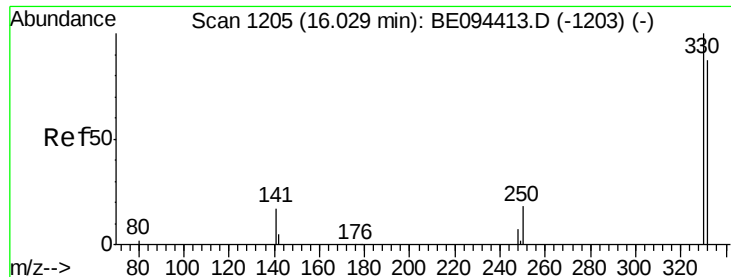
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion:164 Resp: 3860
Ion Ratio Lower Upper
164 100
162 101.8 83.1 124.7
160 45.8 37.1 55.7





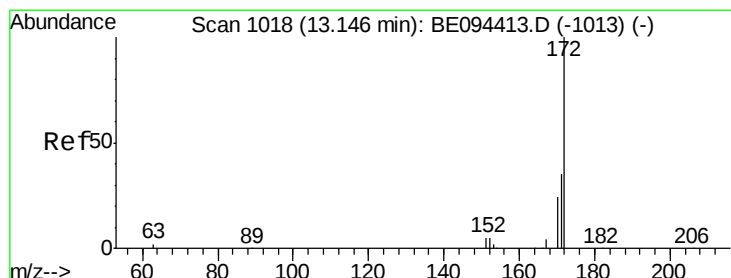
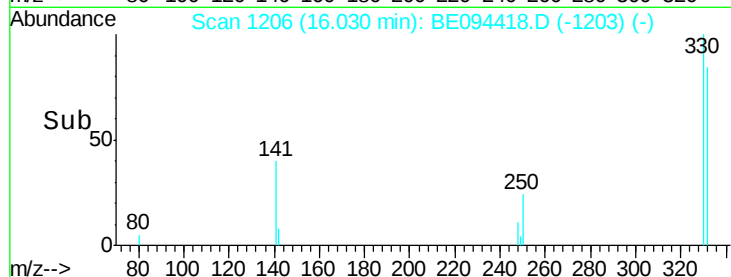
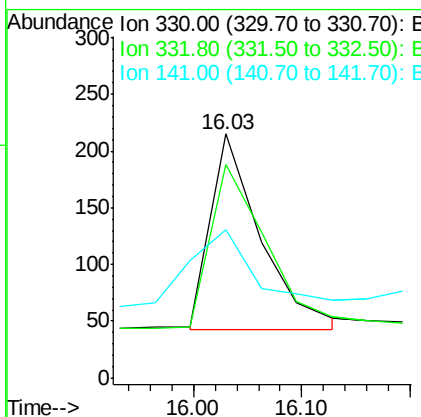
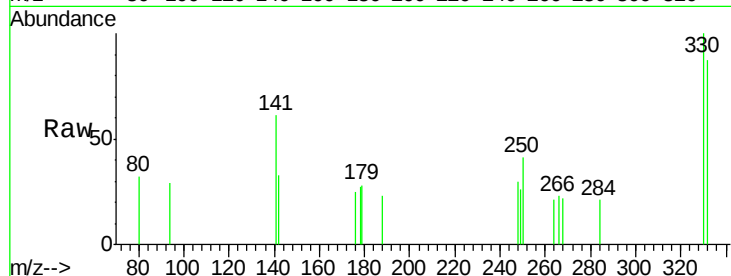
#14
 2,4,6-Tribromophenol
 Concen: 0.374 ng m
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

Tgt Ion	Ratio	Lower	Upper
330	100		
332	88.2	152.7	229.1#
141	0.0	33.7	50.5#

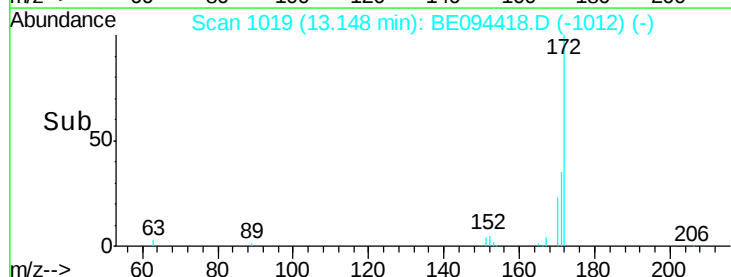
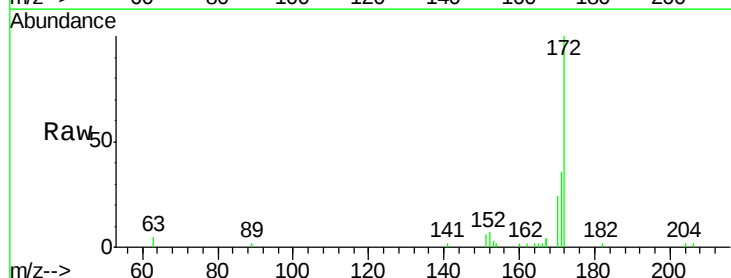
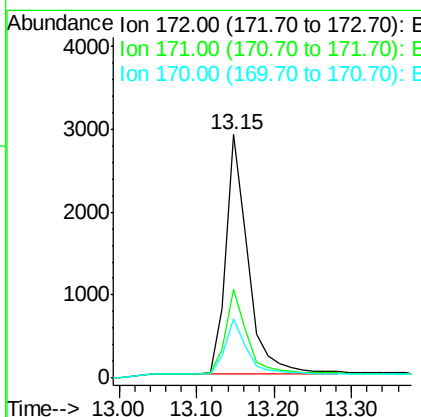
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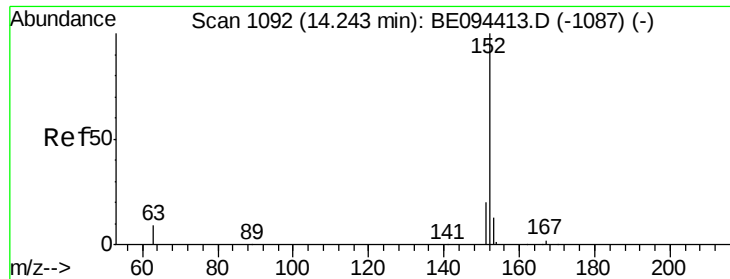
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#15
 2-Fluorobiphenyl
 Concen: 0.418 ng
 RT: 13.15 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.9	44.9
170	24.5	21.8	32.8





#16

Acenaphthylene

Concen: 4.748 ng

RT: 14.24 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

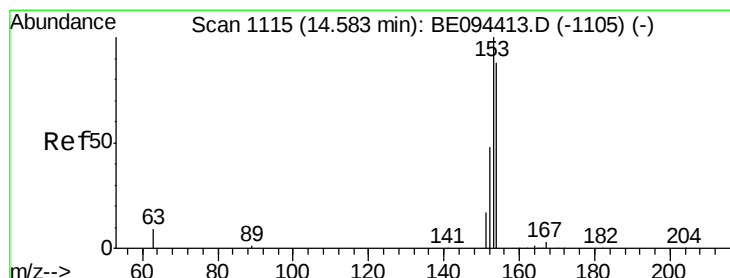
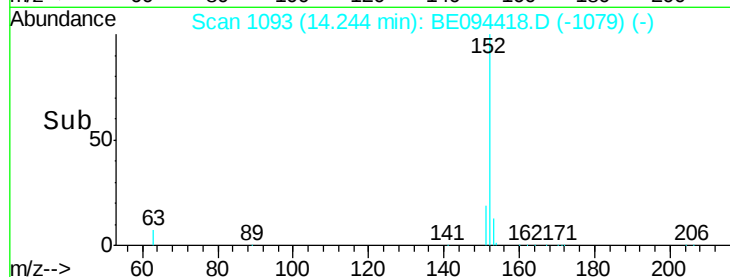
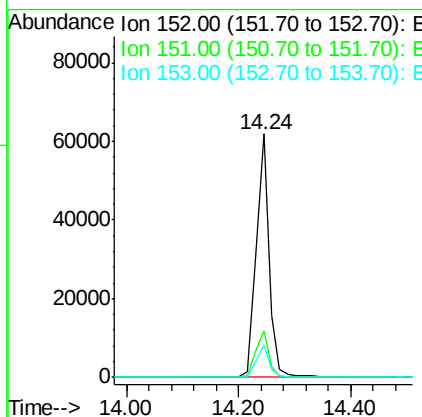
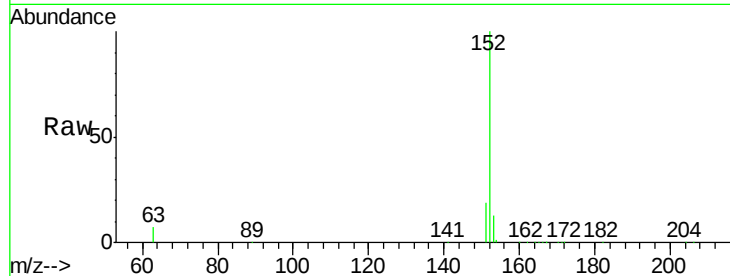
ClientSampleId :

RR-PAH-WP

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.2	10.5	15.7

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#17

Acenaphthene

Concen: 13.648 ng

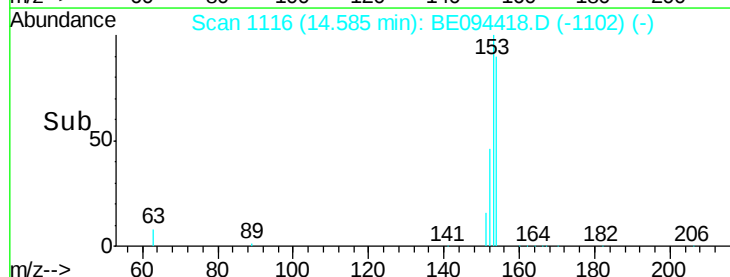
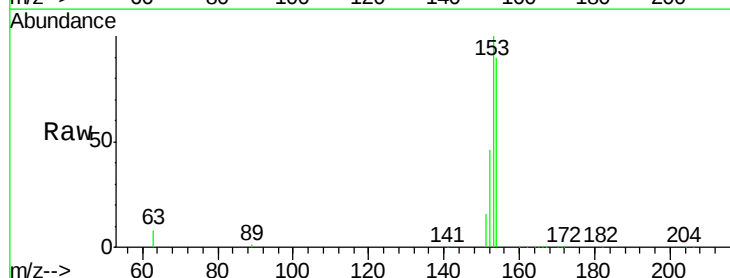
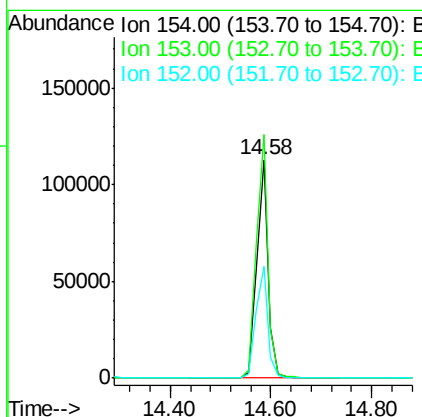
RT: 14.58 min Scan# 1116

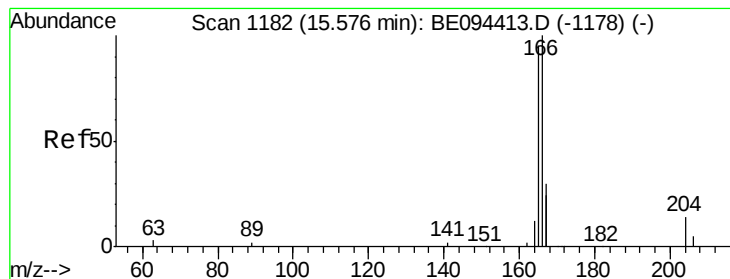
Delta R.T. 0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.5	89.2	133.8
152	53.5	42.0	63.0





#18

Fluorene

Concen: 4.119 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

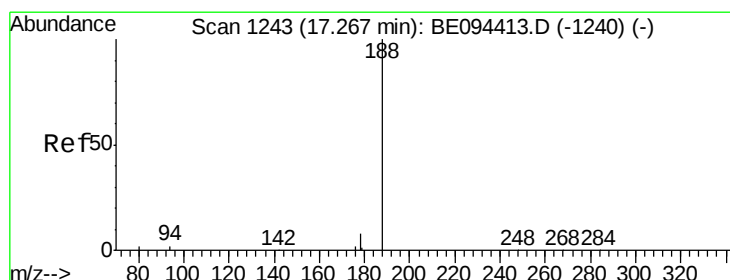
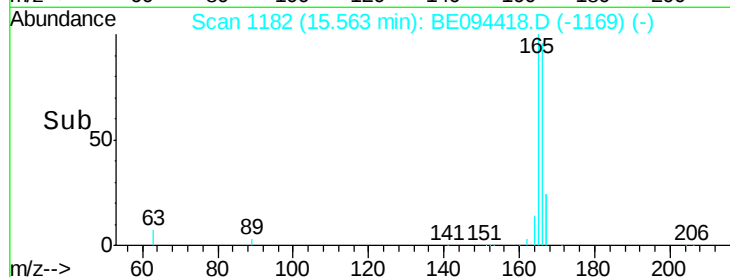
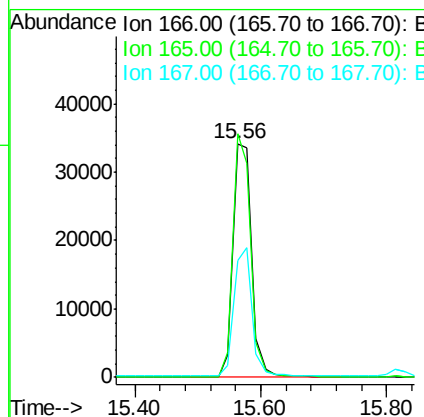
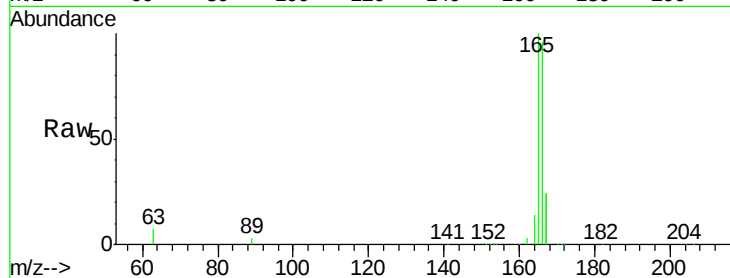
ClientSampleId :

RR-PAH-WP

Tgt Ion:	166	Resp:	70007
Ion Ratio	Lower	Upper	
166	100		
165	98.6	77.8	116.6
167	52.9	42.4	63.6

Manual Integrations
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#19

Phenanthrene-d10

Concen: 0.400 ng

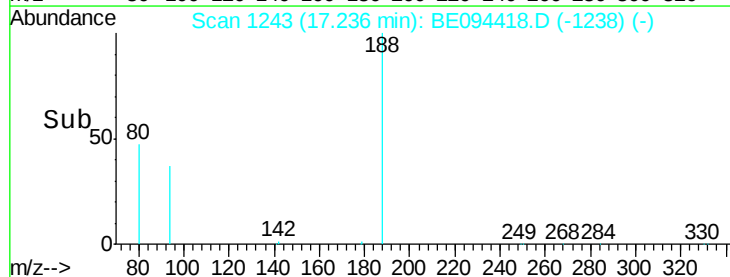
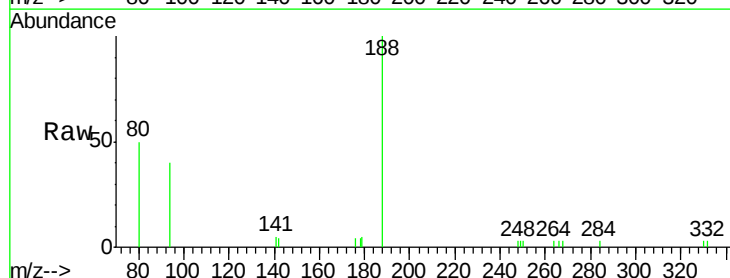
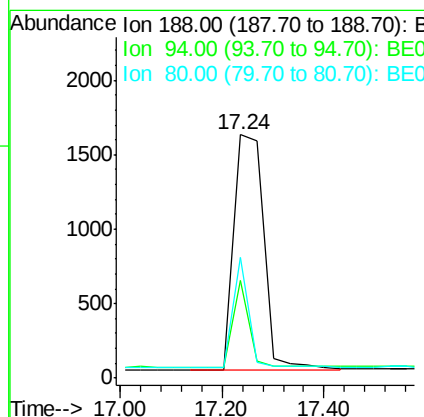
RT: 17.24 min Scan# 1243

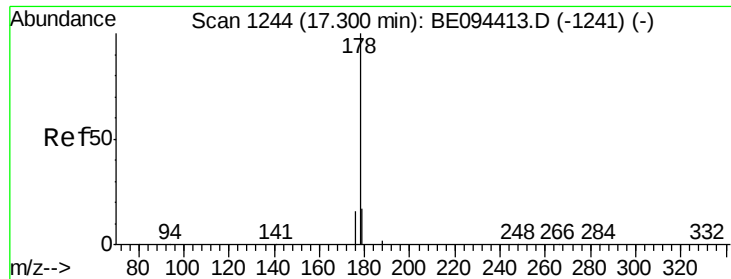
Delta R.T. -0.03 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Tgt Ion:	188	Resp:	6442
Ion Ratio	Lower	Upper	
188	100		
94	40.3	3.9	5.9#
80	49.7	3.6	5.4#





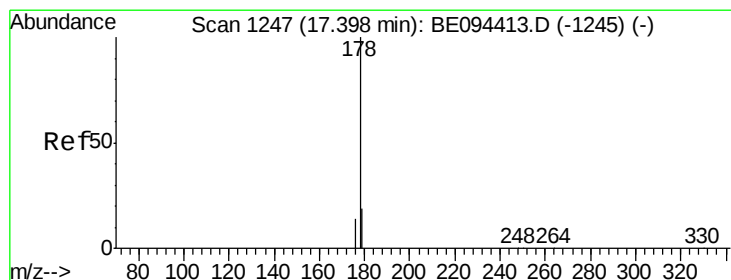
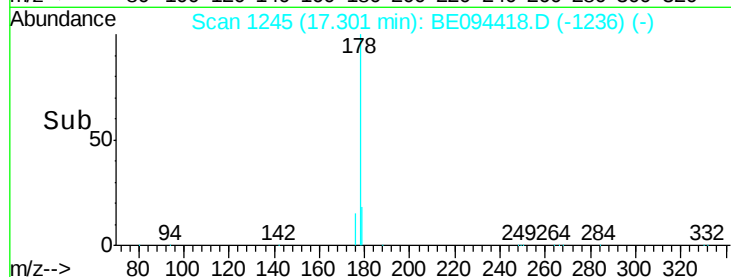
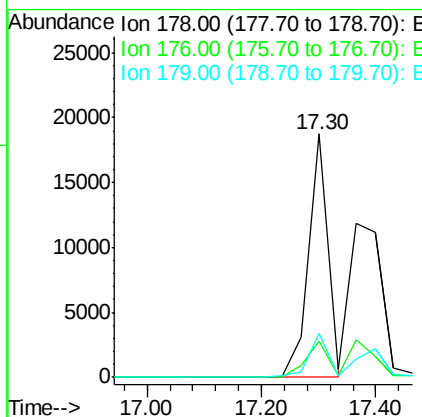
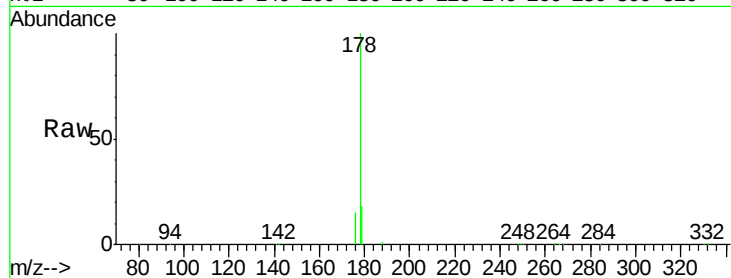
#23
Phenanthrene
Concen: 1.711 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampled :
RR-PAH-WP

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.8	15.1	22.7
179	23.2	11.8	17.6

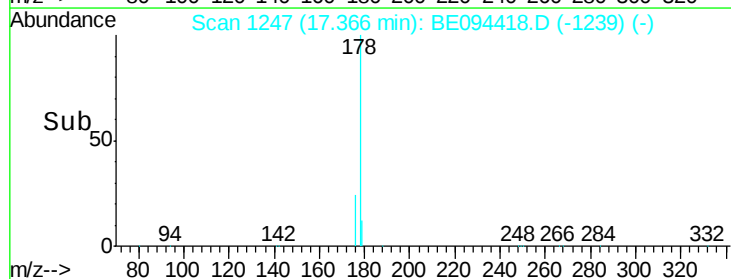
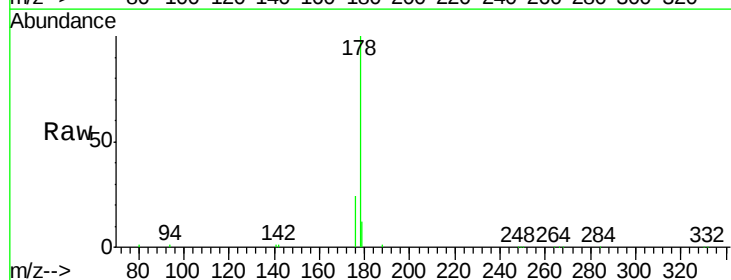
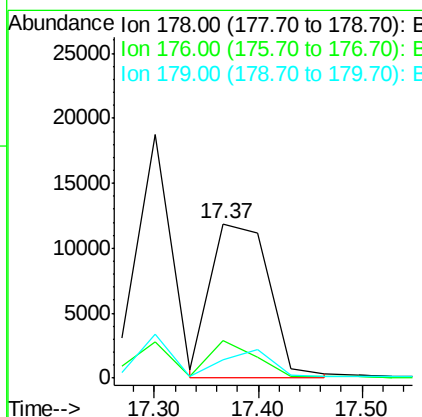
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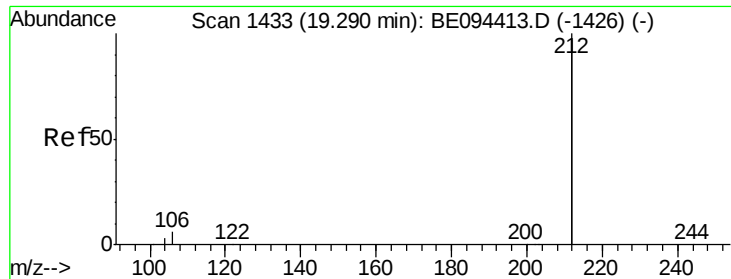
Sohil
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#24
Anthracene
Concen: 2.376 ng m
RT: 17.37 min Scan# 1247
Delta R.T. -0.03 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	15.6	12.8	19.2
179	21.6	13.0	19.6





#25

Fluoranthene-d10

Concen: 0.479 ng

RT: 19.29 min Scan# 1434

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

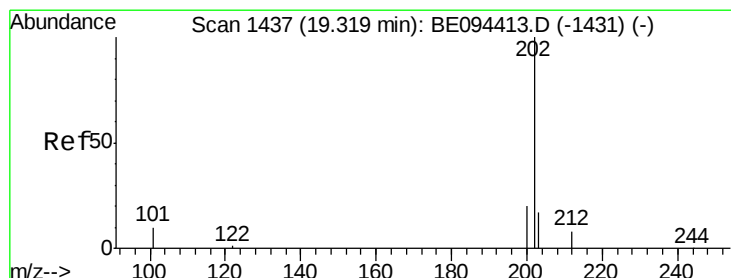
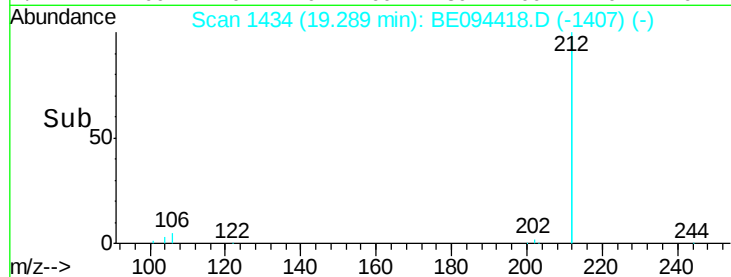
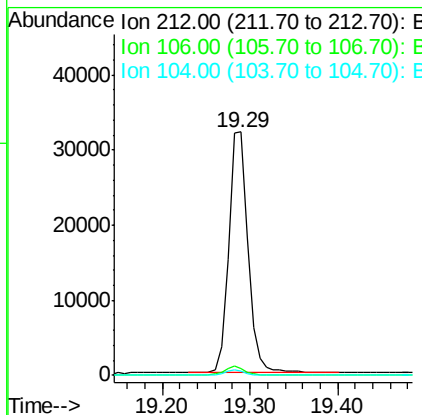
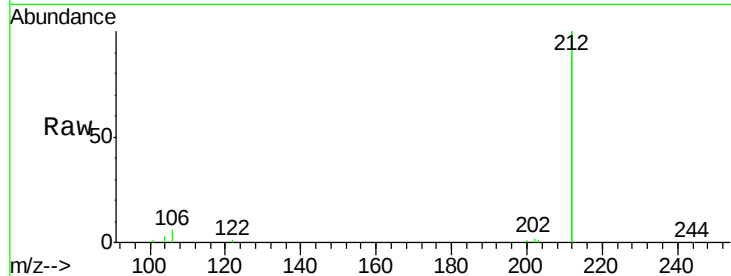
ClientSampleId :

RR-PAH-WP

Tgt Ion:	212	Resp:	49660
Ion Ratio	Lower	Upper	
212	100		
106	3.5	2.8	4.2
104	1.8	1.6	2.4

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#26

Fluoranthene

Concen: 0.694 ng

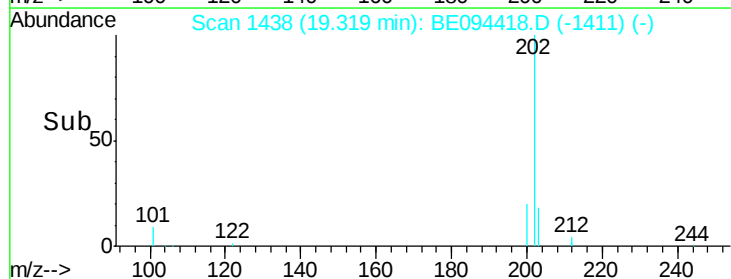
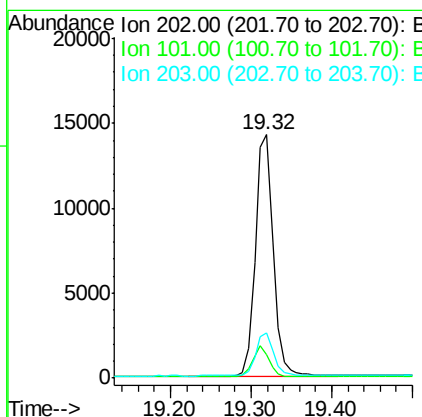
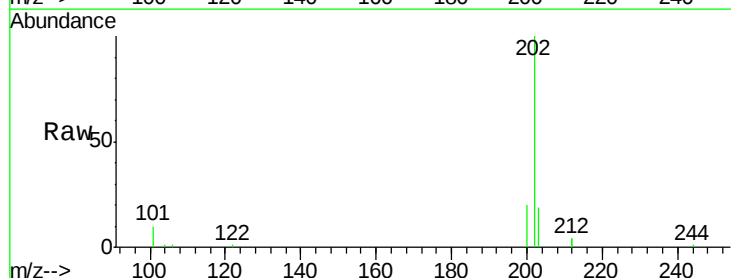
RT: 19.32 min Scan# 1438

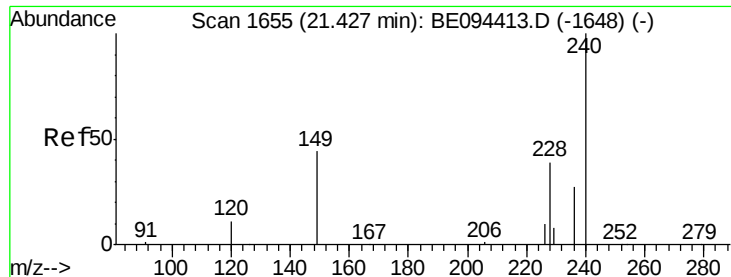
Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Tgt Ion:	202	Resp:	21846
Ion Ratio	Lower	Upper	
202	100		
101	12.1	9.8	14.8
203	17.6	13.7	20.5





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

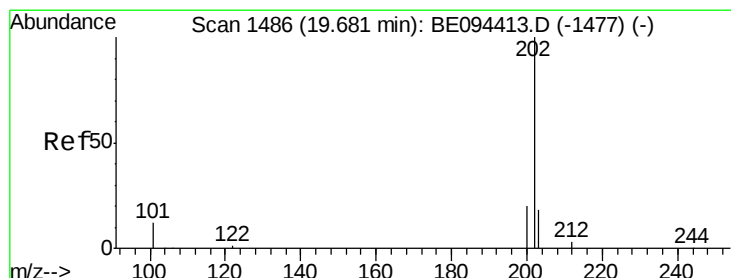
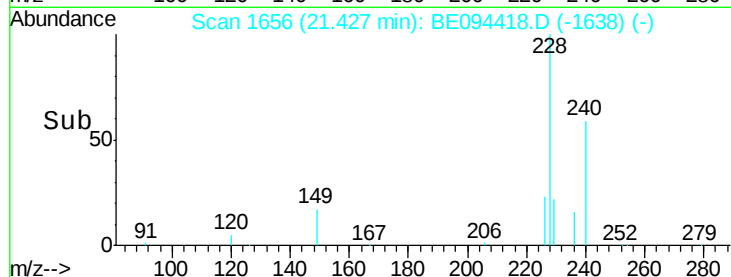
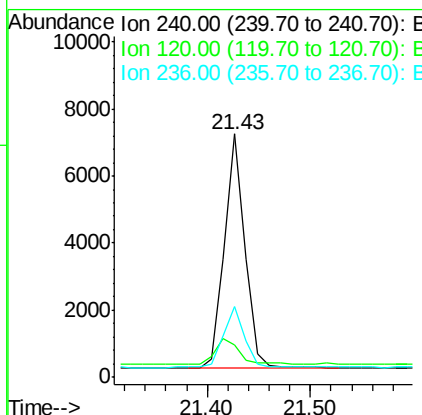
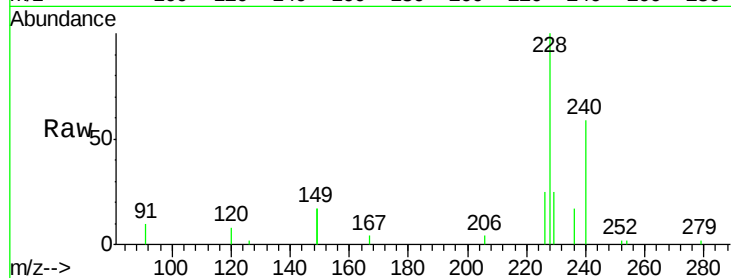
ClientSampleId :

RR-PAH-WP

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.2	5.5	8.3#
236	29.3	20.7	31.1

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#28

Pyrene

Concen: 1.882 ng

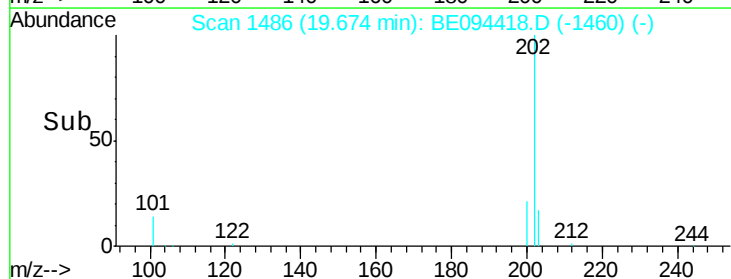
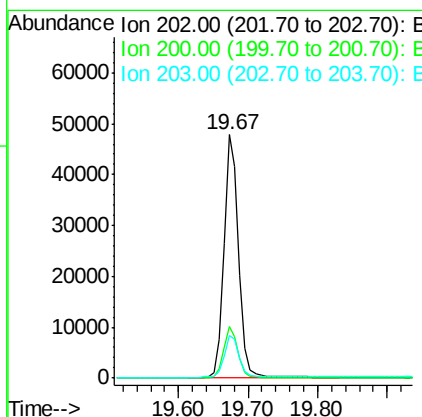
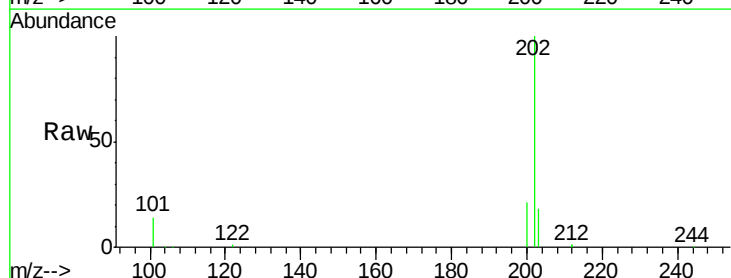
RT: 19.67 min Scan# 1486

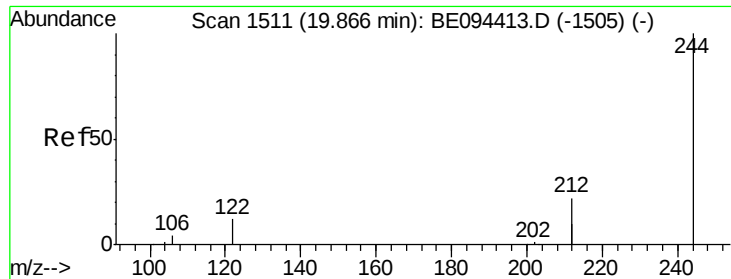
Delta R.T. -0.01 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	17.7	13.8	20.8





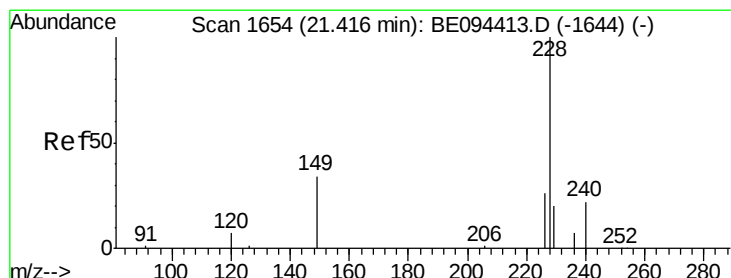
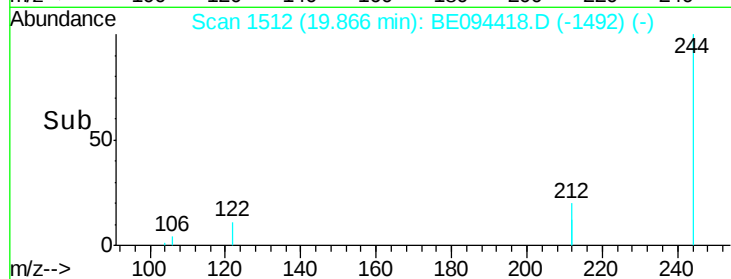
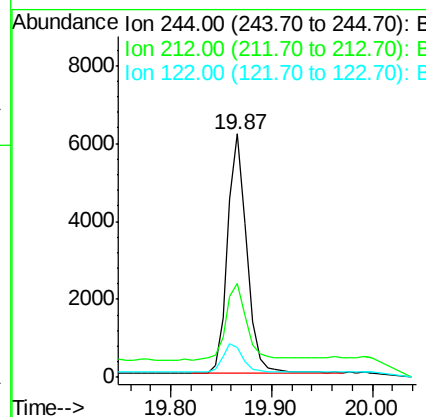
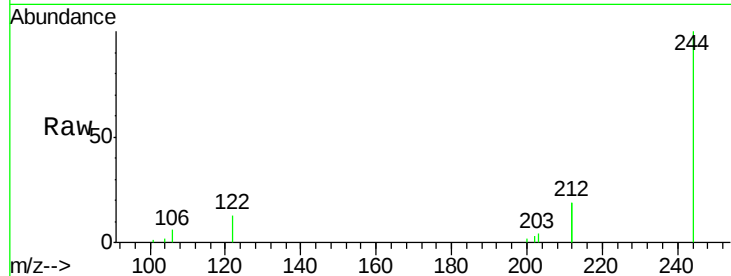
#29
 Terphenyl-d14
 Concen: 0.422 ng
 RT: 19.87 min Scan# 1512
 Delta R.T. -0.00 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

Tgt Ion	Ratio	Lower	Upper
244	100		
212	38.5	25.4	38.0#
122	12.5	8.1	12.1#

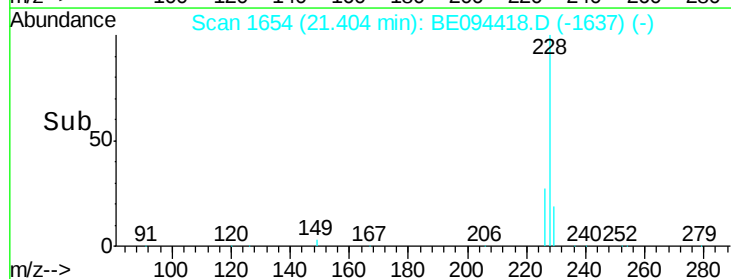
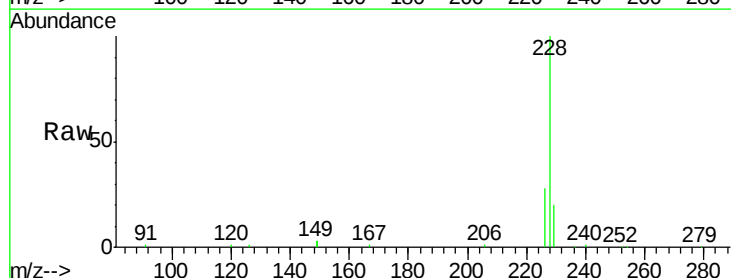
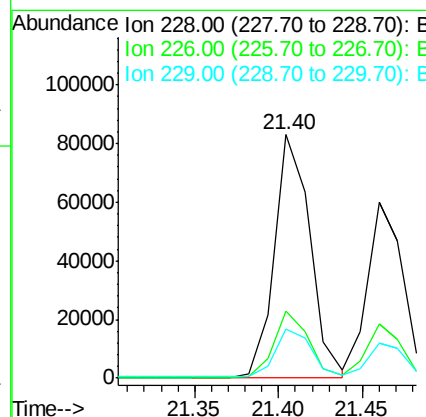
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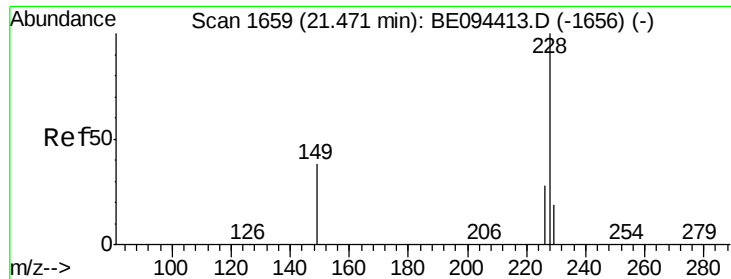
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#30
 Benzo(a)anthracene
 Concen: 3.643 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	40.0	60.0#
229	19.9	40.0	60.0#





#31

Chrysene

Concen: 2.757 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Instrument :

BNA_E

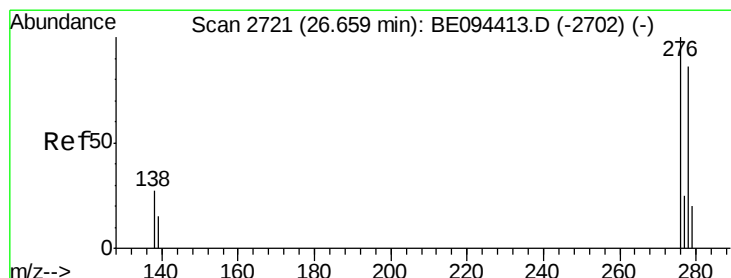
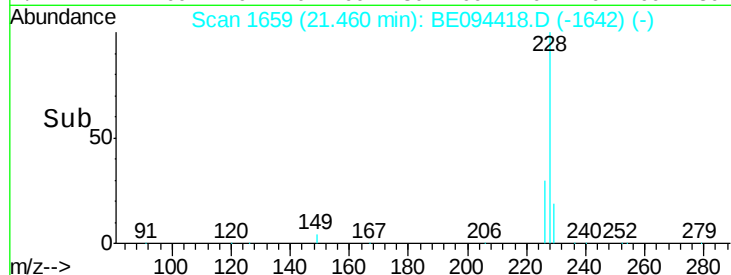
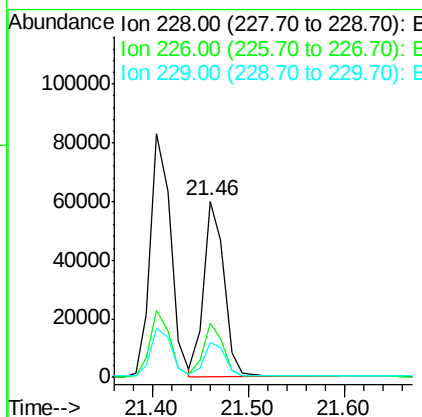
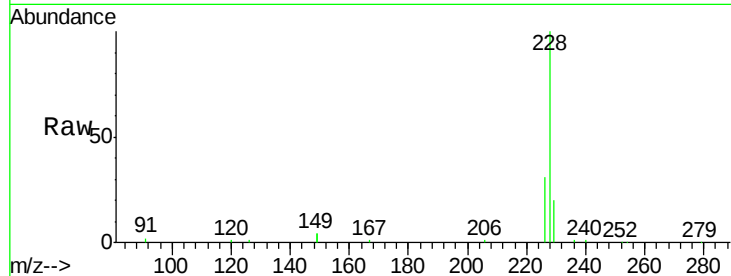
ClientSampled :

RR-PAH-WP

Tgt Ion:	228	Resp:	88356
Ion Ratio	Lower	Upper	
228	100		
226	30.9	40.0	60.0#
229	19.8	40.0	60.0#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.693 ng

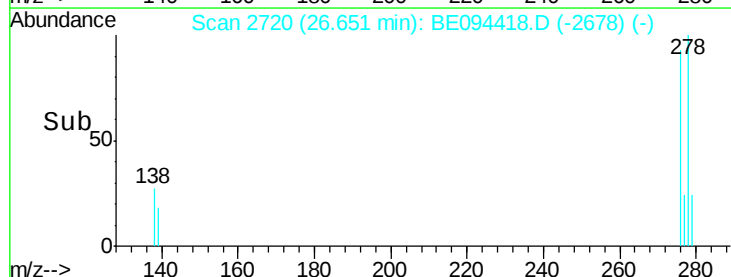
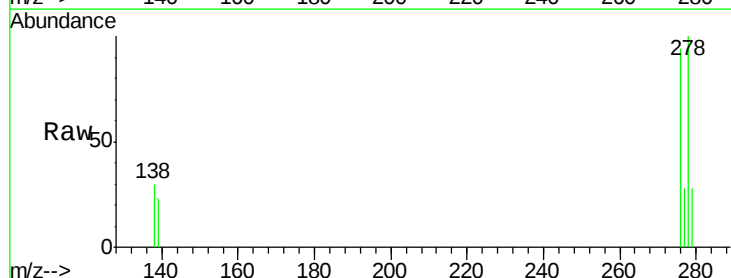
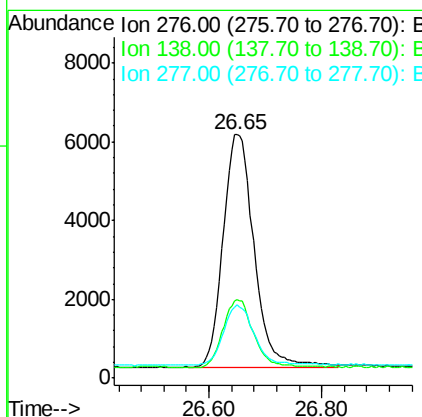
RT: 26.65 min Scan# 2720

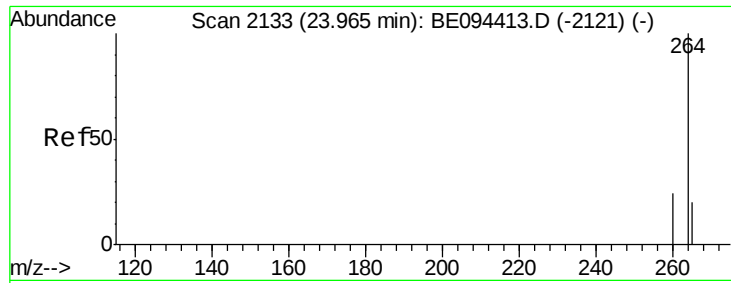
Delta R.T. -0.01 min

Lab File: BE094418.D

Acq: 16 Oct 2017 15:29

Tgt Ion:	276	Resp:	22359
Ion Ratio	Lower	Upper	
276	100		
138	29.1	22.5	33.7
277	25.2	19.9	29.9





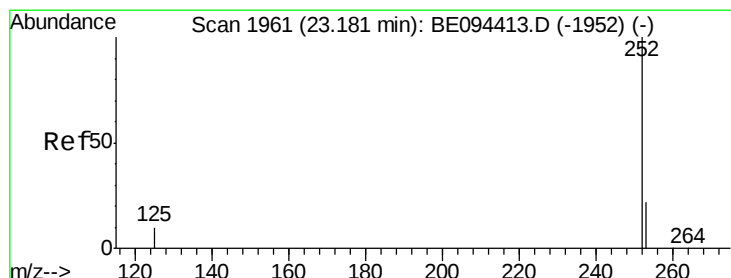
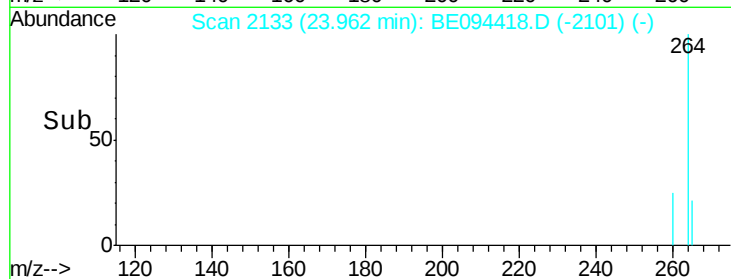
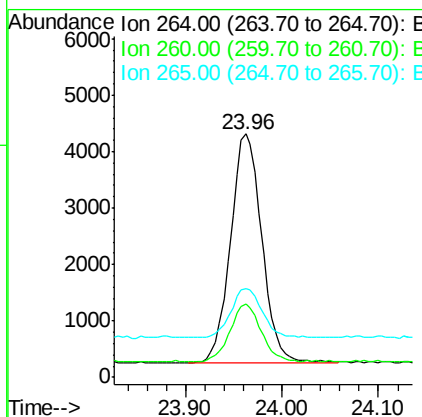
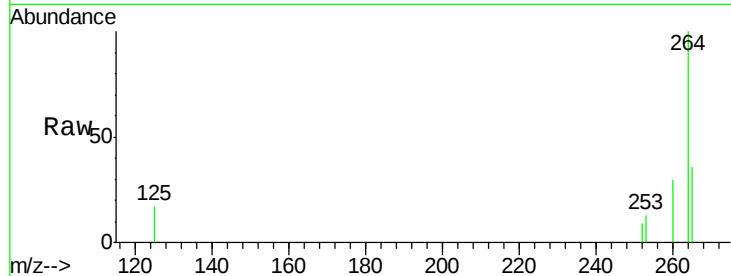
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2133
 Delta R.T. -0.00 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	30.2	20.5	30.7
265	36.4	22.8	34.2

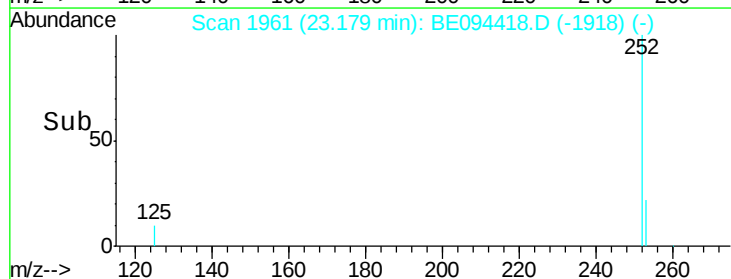
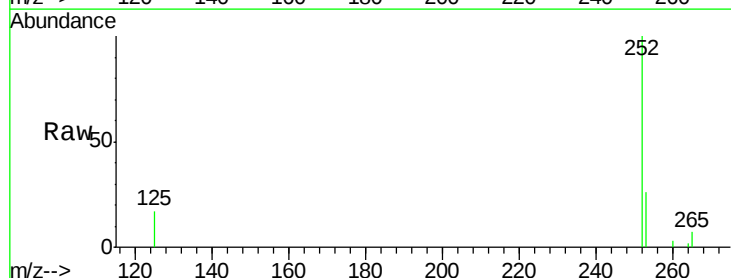
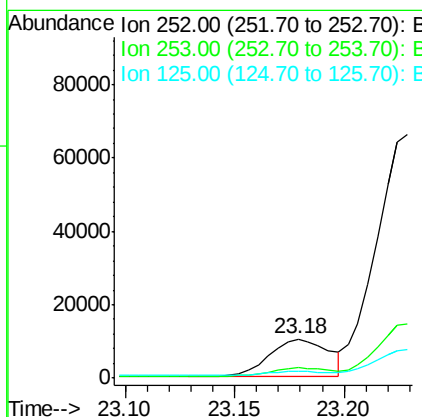
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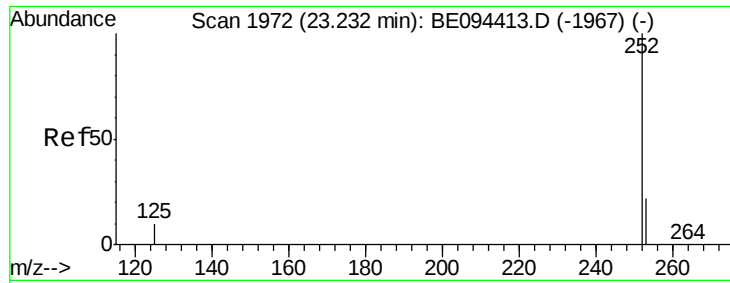
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#35
Benzo(b)fluoranthene
 Concen: 0.624 ng
 RT: 23.18 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: BE094418.D
 Acq: 16 Oct 2017 15:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	48.0	72.0
125	16.7	56.0	84.0





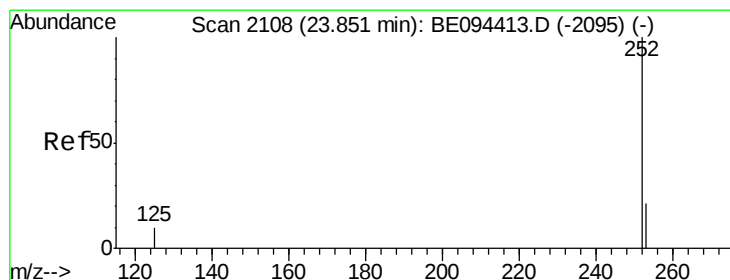
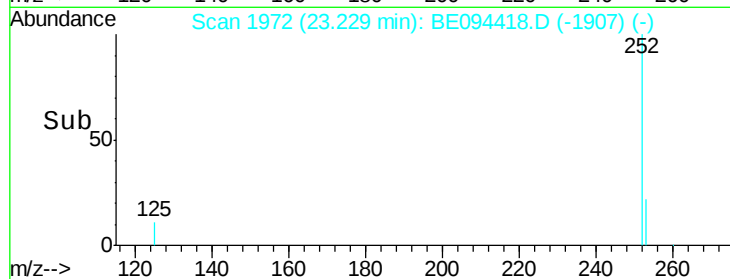
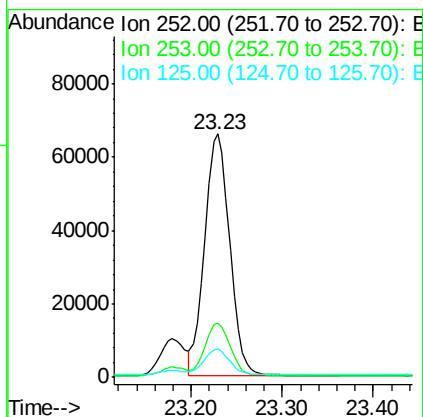
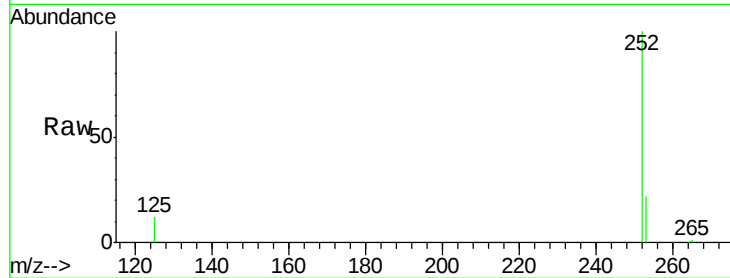
#36
Benzo(k)fluoranthene
Concen: 4.100 ng
RT: 23.23 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	126496		
253	22.5	48.0	72.0#	
125	11.6	56.0	84.0#	

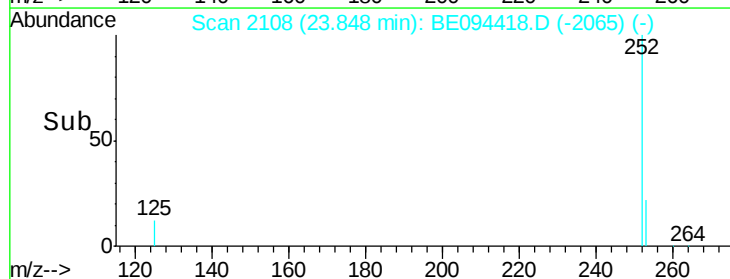
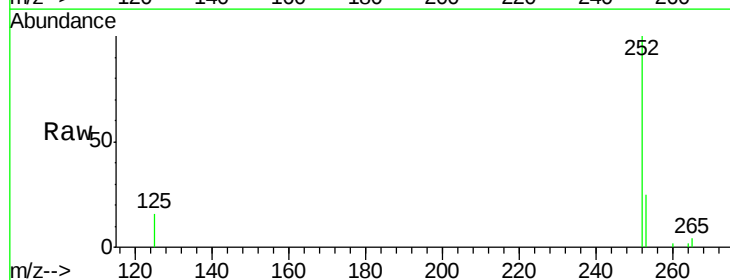
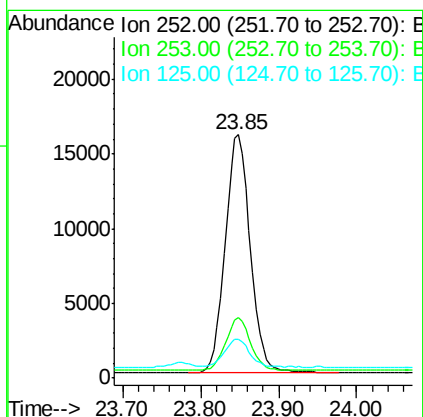
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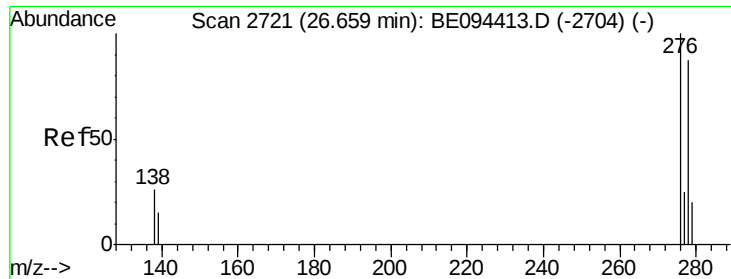
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#37
Benzo(a)pyrene
Concen: 1.206 ng
RT: 23.85 min Scan# 2108
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	35507		
253	24.7	52.0	78.0#	
125	15.9	68.0	102.0#	





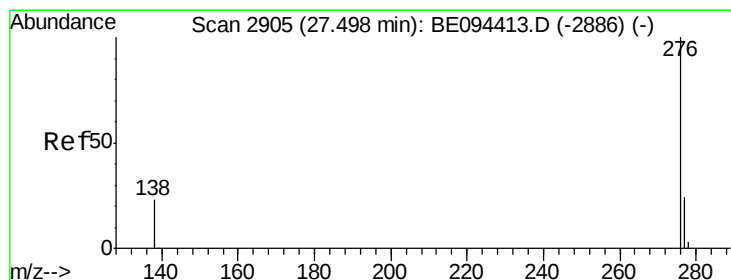
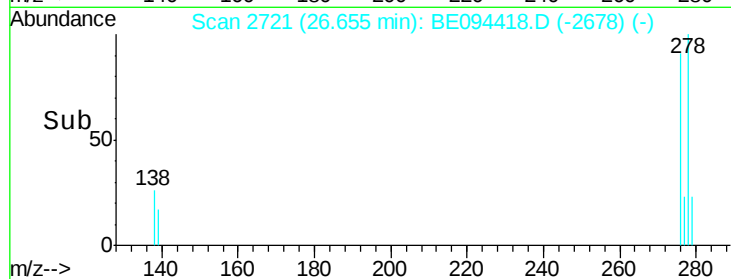
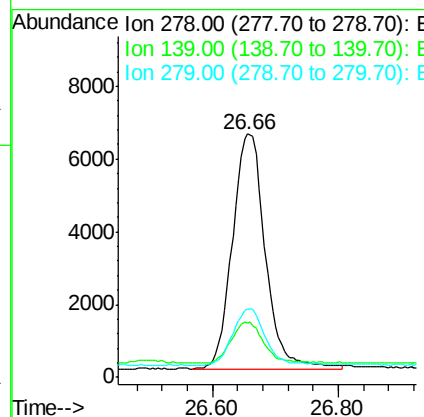
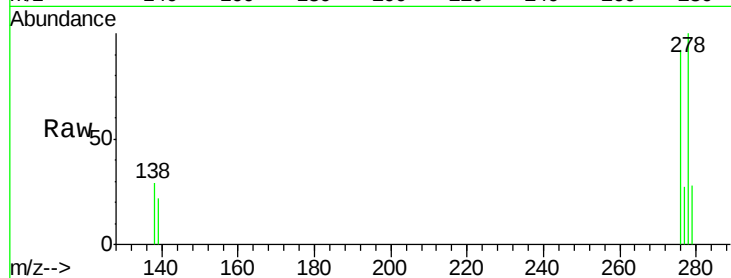
#38
Dibenzo(a,h)anthracene
Concen: 0.836 ng
RT: 26.66 min Scan# 2721
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.3	56.0	84.0#
279	27.8	52.0	78.0#

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#39
Benzo(g,h,i)perylene
Concen: 3.330 ng
RT: 27.49 min Scan# 2904
Delta R.T. -0.01 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	52.0	78.0#
138	24.2	44.0	66.0#

