

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101617\
 Data File : BE094419.D
 Acq On : 16 Oct 2017 16:11
 Operator : SJ/JU
 Sample : I5266-21DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WPDL

Manual Integrations
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Quant Time: Oct 16 19:49:46 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	1246	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	6366	0.40	ng	0.00
13) Acenaphthene-d10	14.52	164	3988	0.40	ng	0.00
19) Phenanthrene-d10	17.27	188	7920	0.40	ng	0.00
27) Chrysene-d12	21.43	240	9604	0.40	ng	0.00
34) Perylene-d12	23.96	264	9001	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.53	112	210	0.05	ng	0.01
5) Phenol-d6	7.15	99	267	0.04	ng	0.03
8) Nitrobenzene-d5	9.09	82	264	0.05	ng	0.02
11) 2-Methylnaphthalene-d10	12.31	152	440	0.04	ng	0.02
14) 2,4,6-Tribromophenol	16.06	330	55	0.04	ng	0.03
15) 2-Fluorobiphenyl	13.16	172	682	0.05	ng	0.02
25) Fluoranthene-d10	19.29	212	5000	0.04	ng	0.00
29) Terphenyl-d14	19.87	244	1003	0.05	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.76	128	27594	0.388	ng	100
16) Acenaphthylene	14.24	152	10364	0.479	ng	99
17) Acenaphthene	14.58	154	19119	1.404	ng	97
18) Fluorene	15.58	166	7246	0.413	ng	99
23) Phenanthrene	17.30	178	5936m	0.190	ng	
24) Anthracene	17.40	178	6155m	0.256	ng	
26) Fluoranthene	19.32	202	2557	0.066	ng	98
28) Pyrene	19.68	202	7273	0.201	ng	97
30) Benzo(a)anthracene	21.41	228	12683	0.382	ng	# 66
31) Chrysene	21.47	228	9775	0.306	ng	# 69
33) Indeno(1,2,3-cd)pyrene	26.65	276	2397	0.074	ng	99
35) Benzo(b)fluoranthene	23.18	252	2070	0.068	ng	# 84
36) Benzo(k)fluoranthene	23.23	252	13287	0.442	ng	# 47
37) Benzo(a)pyrene	23.85	252	3702	0.129	ng	# 66
38) Dibenzo(a,h)anthracene	26.66	278	2464	0.091	ng	# 83
39) Benzo(g,h,i)perylene	27.49	276	9195	0.352	ng	# 63

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

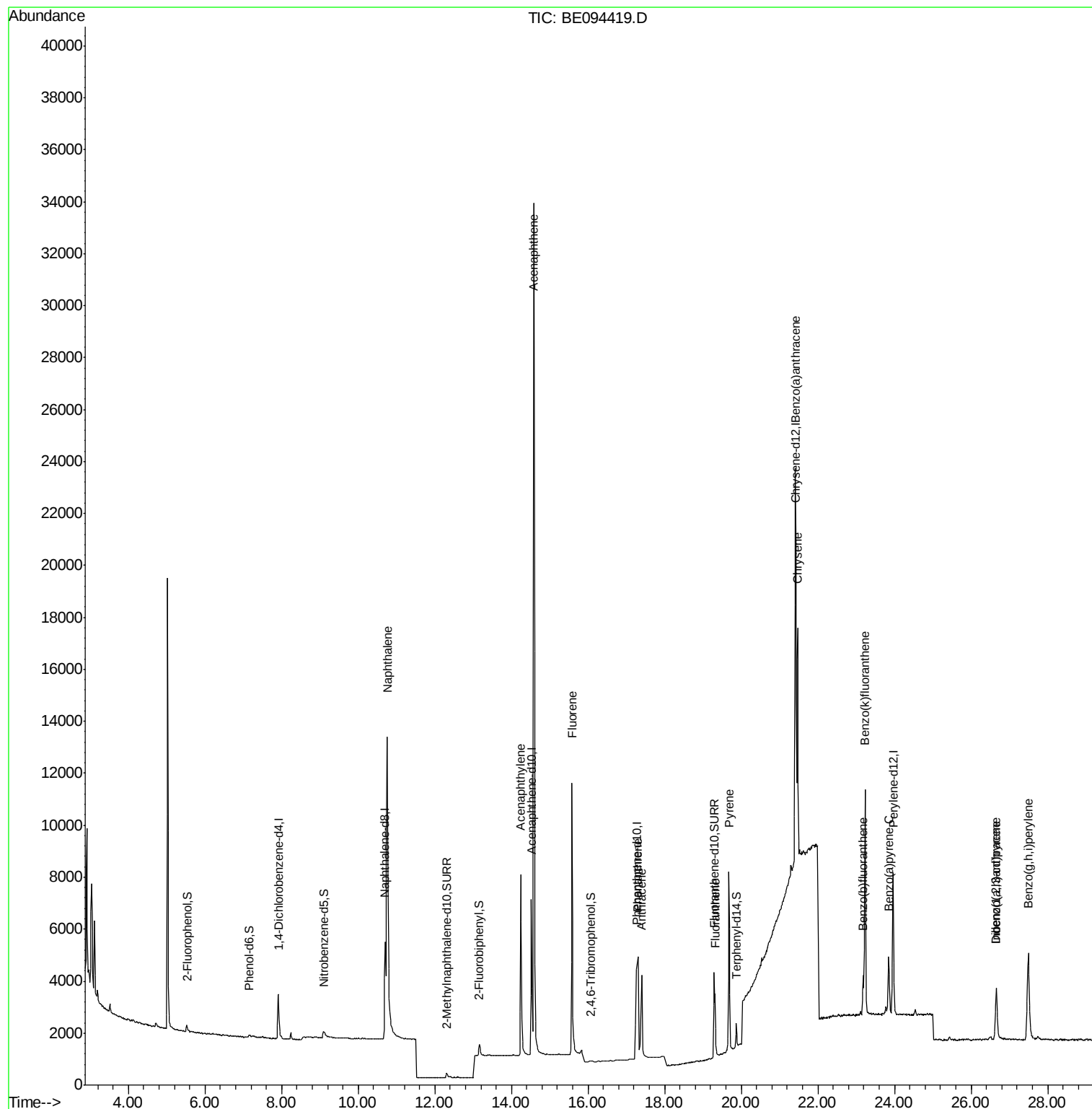
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101617\
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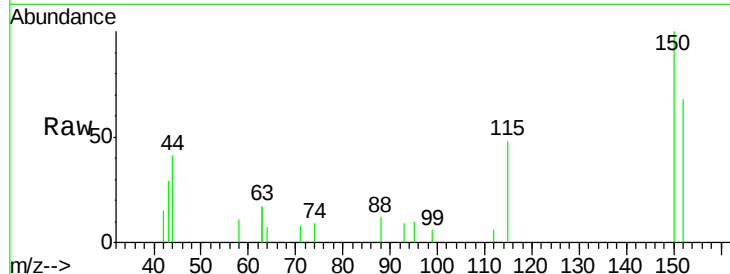




#1

1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.92 min Scan# 402
 Delta R.T. 0.00 min
 Lab File: BE094419.D
 Acq: 16 Oct 2017 16:11

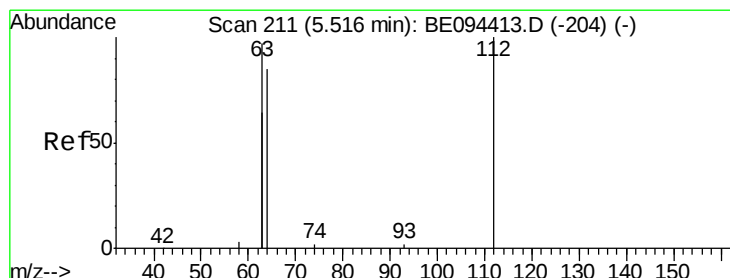
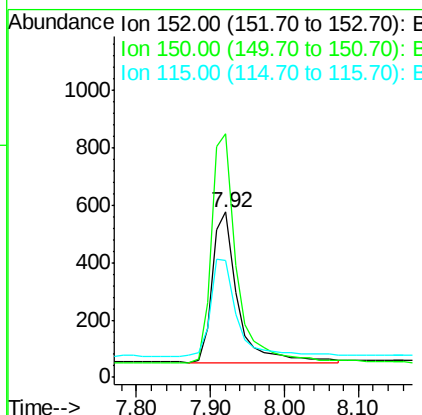
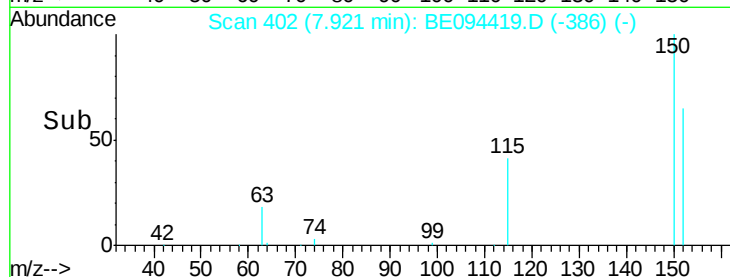
Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WPDL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	147.2	117.2	175.8
115	70.5	57.0	85.6

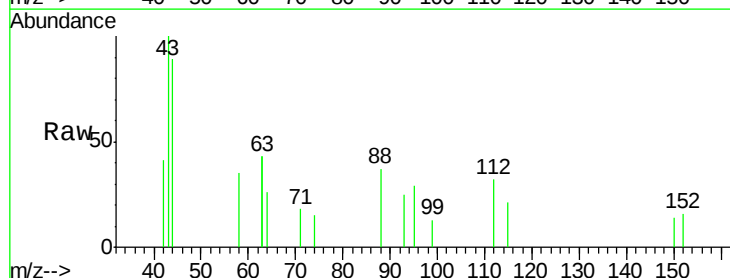
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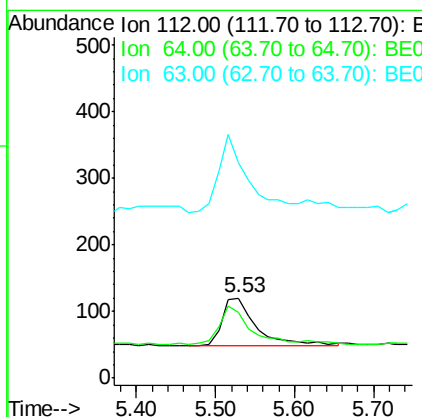
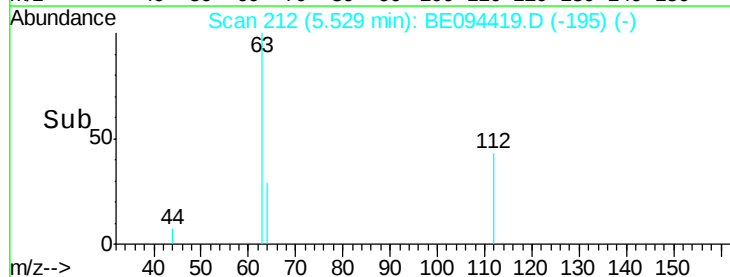


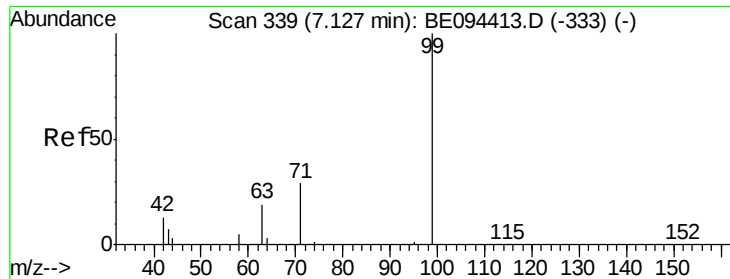
#4

2-Fluorophenol
 Concen: 0.050 ng
 RT: 5.53 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: BE094419.D
 Acq: 16 Oct 2017 16:11



Tgt Ion	Ratio	Lower	Upper
112	100		
64	72.4	60.1	90.1
63	150.5	116.8	175.2





#5

Phenol-d6

Concen: 0.041 ng

RT: 7.15 min Scan# 341

Delta R.T. 0.03 min

Lab File: BE094419.D

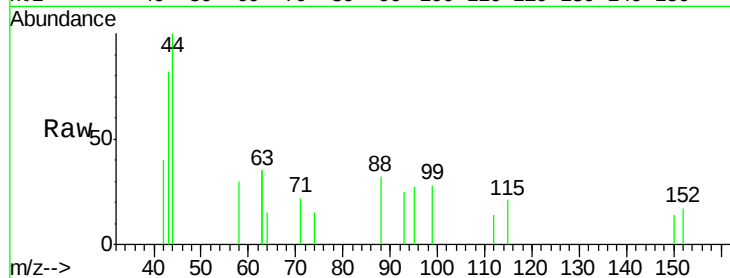
Acq: 16 Oct 2017 16:11

Instrument :

BNA_E

ClientSampleId :

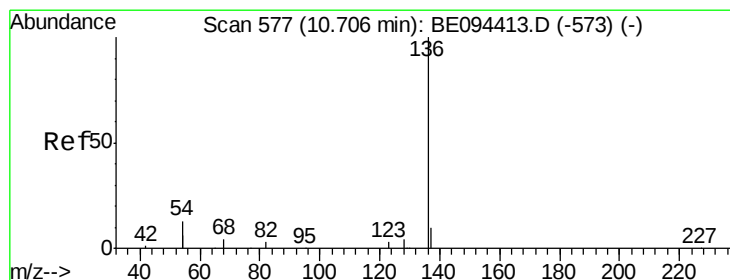
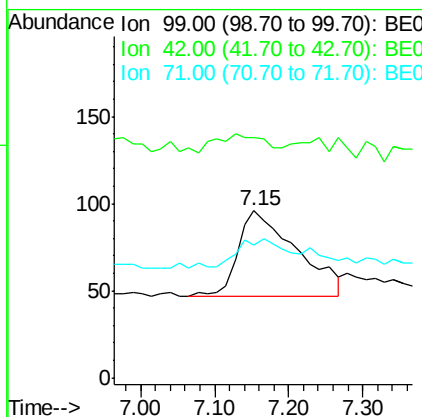
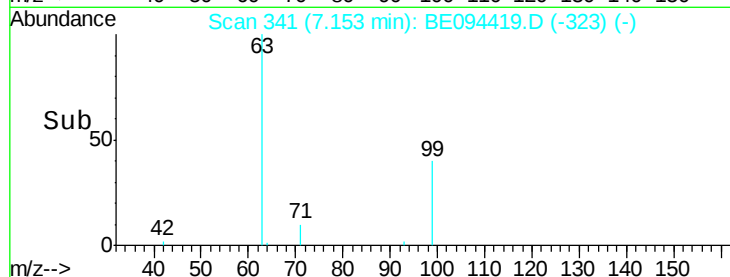
RR-PAH-WPDL



Tgt Ion:	99	Resp:	267
Ion Ratio	Lower	Upper	
99	100		
42	0.0	20.2	30.2#
71	25.8	28.4	42.6#

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#7

Naphthalene-d8

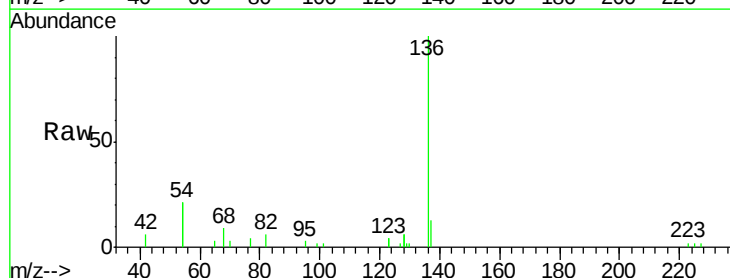
Concen: 0.400 ng

RT: 10.71 min Scan# 577

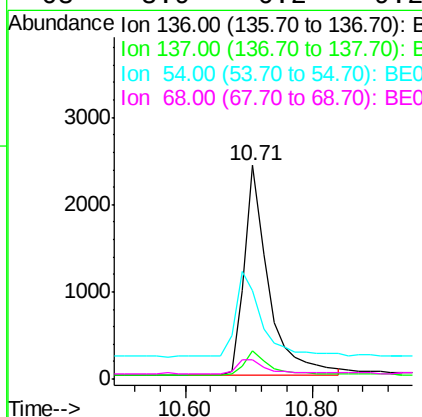
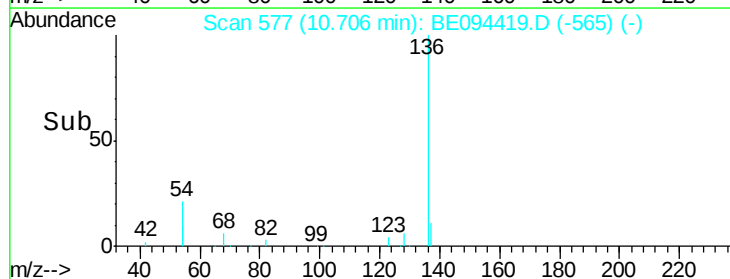
Delta R.T. -0.00 min

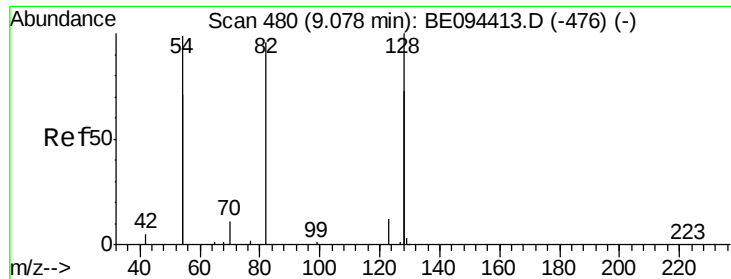
Lab File: BE094419.D

Acq: 16 Oct 2017 16:11



Tgt Ion:	136	Resp:	6366
Ion Ratio	Lower	Upper	
136	100		
137	13.1	9.5	14.3
54	41.5	29.1	43.7
68	8.9	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.048 ng

RT: 9.09 min Scan# 481

Delta R.T. 0.02 min

Lab File: BE094419.D

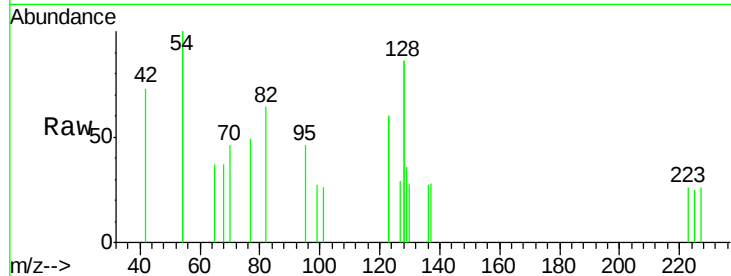
Acq: 16 Oct 2017 16:11

Instrument :

BNA_E

ClientSampleId :

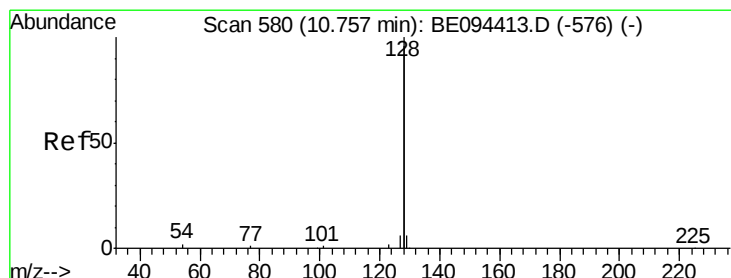
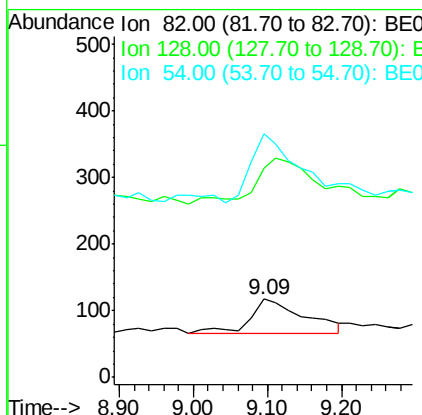
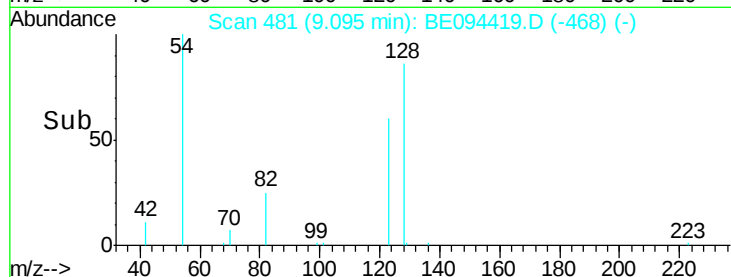
RR-PAH-WPDL



Tgt Ion	Ratio	Lower	Upper
82	100		
128	268.4	150.0	225.0#
54	312.8	154.2	231.4#

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#9

Naphthalene

Concen: 0.388 ng

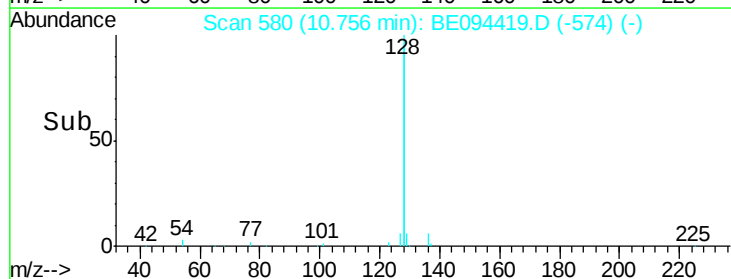
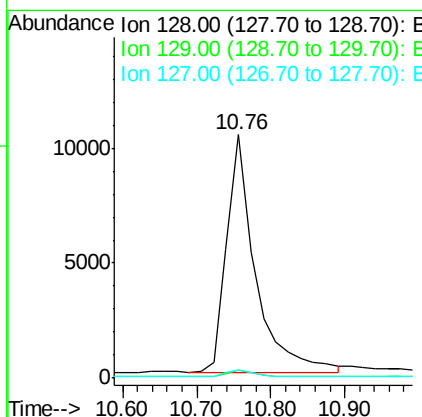
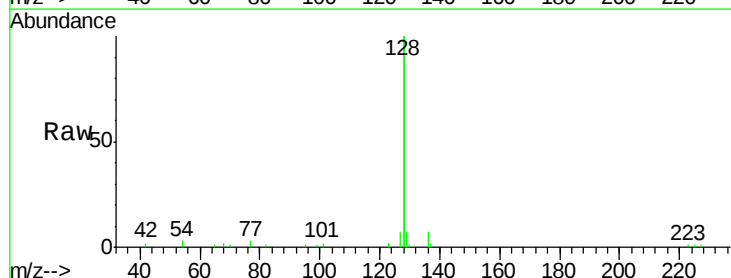
RT: 10.76 min Scan# 580

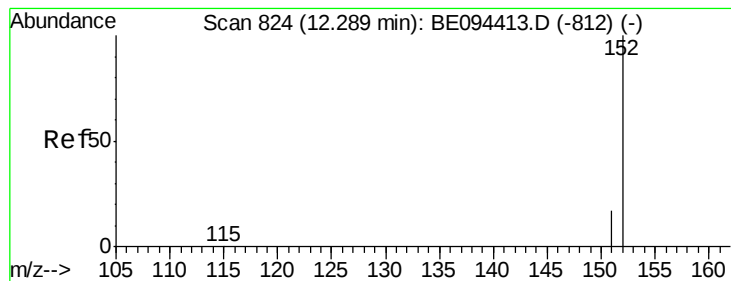
Delta R.T. -0.00 min

Lab File: BE094419.D

Acq: 16 Oct 2017 16:11

Tgt Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.6	3.8
127	3.5	2.8	4.2





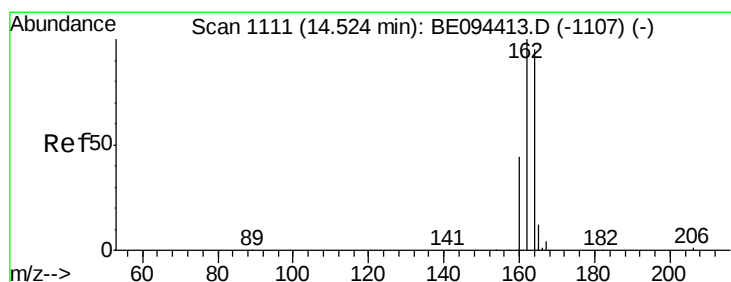
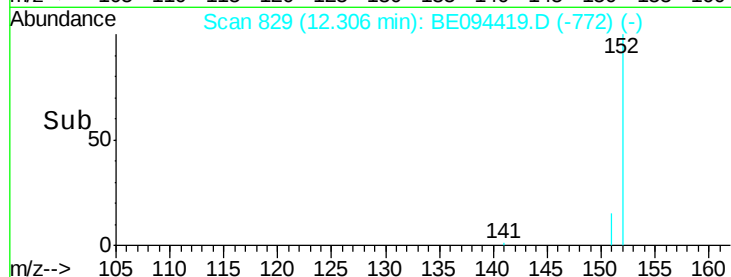
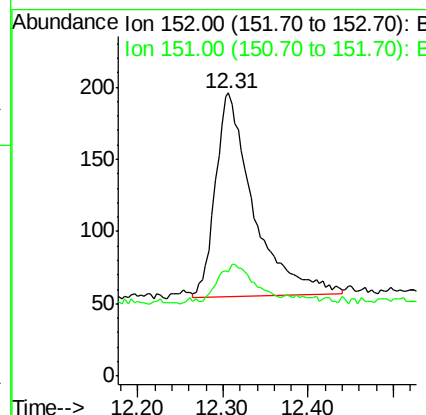
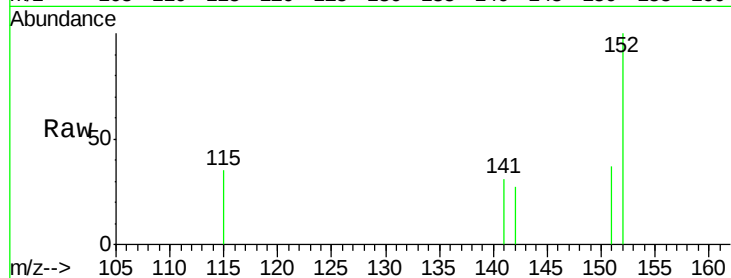
#11
2-Methylnaphthalene-d10
Concen: 0.045 ng
RT: 12.31 min Scan# 829
Delta R.T. 0.02 min
Lab File: BE094419.D
Acq: 16 Oct 2017 16:11

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:152 Resp: 440
Ion Ratio Lower Upper
152 100
151 16.1 15.4 23.0

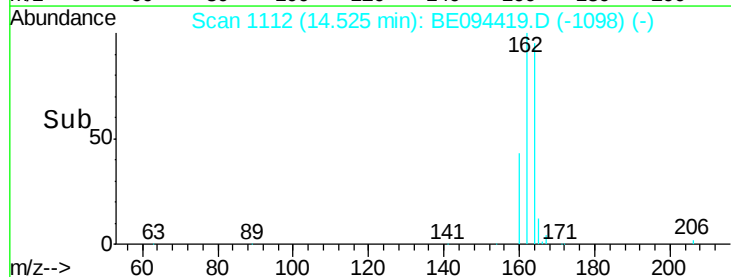
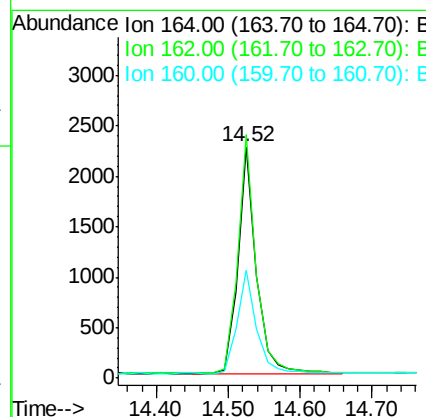
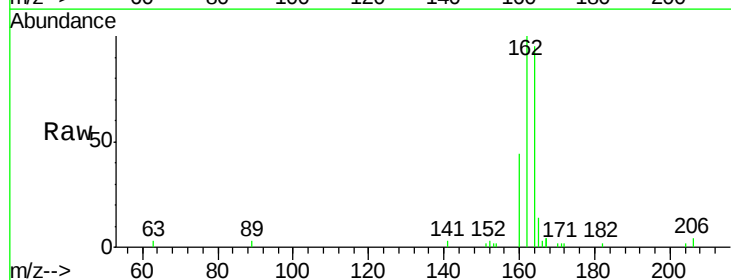
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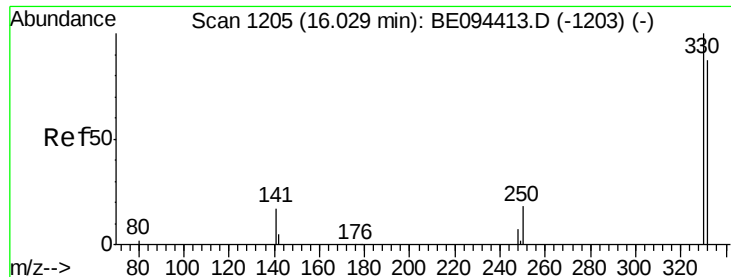
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE094419.D
Acq: 16 Oct 2017 16:11

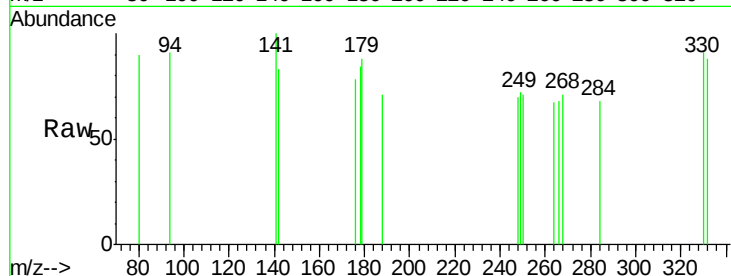
Tgt Ion:164 Resp: 3988
Ion Ratio Lower Upper
164 100
162 105.4 83.1 124.7
160 46.5 37.1 55.7





#14
 2,4,6-Tribromophenol
 Concen: 0.036 ng
 RT: 16.06 min Scan# 1207
 Delta R.T. 0.03 min
 Lab File: BE094419.D
 Acq: 16 Oct 2017 16:11

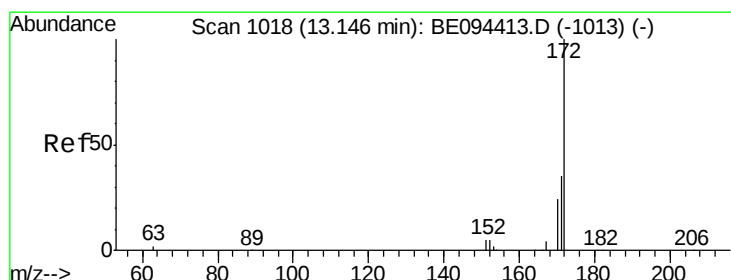
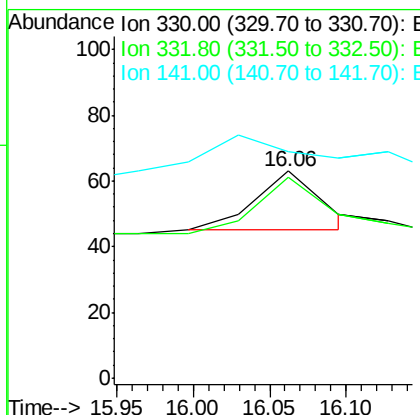
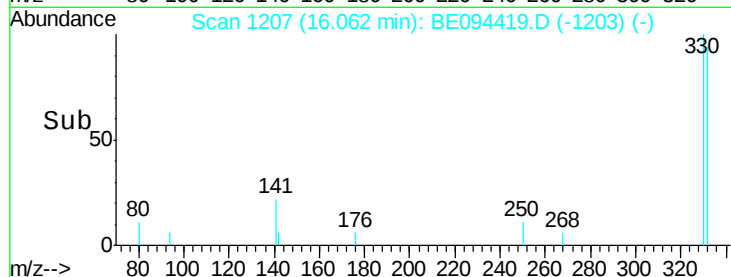
Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WPDL



Tgt Ion: 330 Resp: 55
 Ion Ratio Lower Upper
 330 100
 332 96.4 152.7 229.1#
 141 0.0 33.7 50.5#

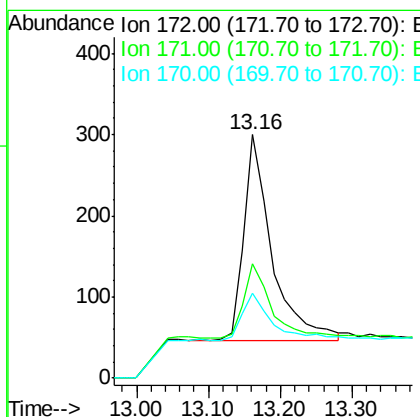
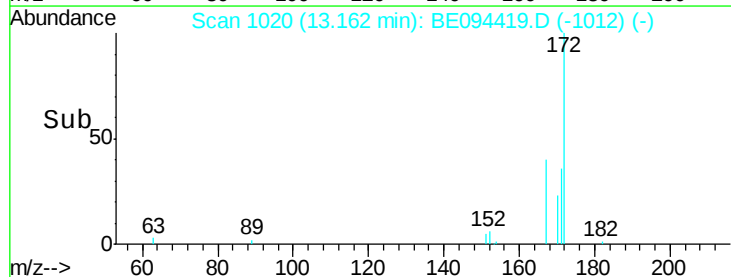
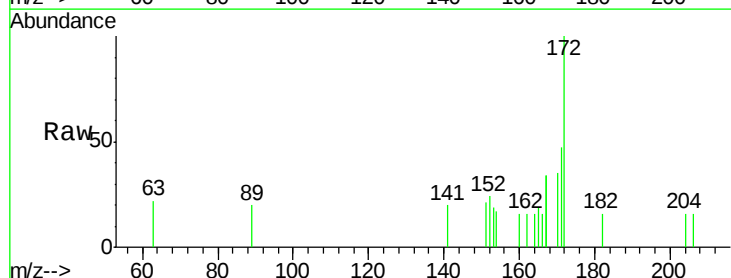
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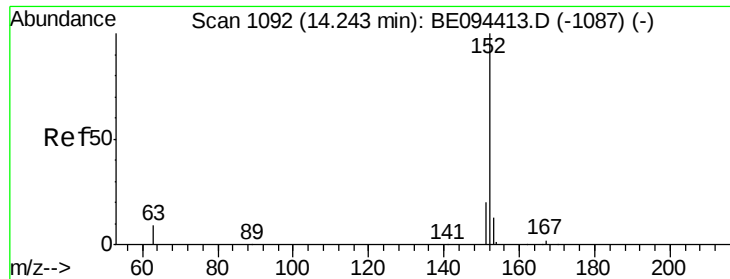
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#15
 2-Fluorobiphenyl
 Concen: 0.048 ng
 RT: 13.16 min Scan# 1020
 Delta R.T. 0.02 min
 Lab File: BE094419.D
 Acq: 16 Oct 2017 16:11

Tgt Ion: 172 Resp: 682
 Ion Ratio Lower Upper
 172 100
 171 47.0 29.9 44.9#
 170 34.7 21.8 32.8#





#16

Acenaphthylene

Concen: 0.479 ng

RT: 14.24 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BE094419.D

Acq: 16 Oct 2017 16:11

Instrument :

BNA_E

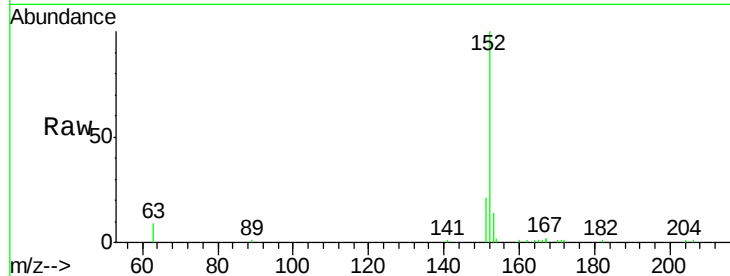
ClientSampleId :

RR-PAH-WPDL

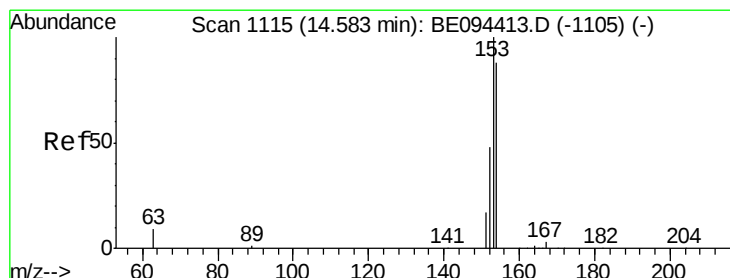
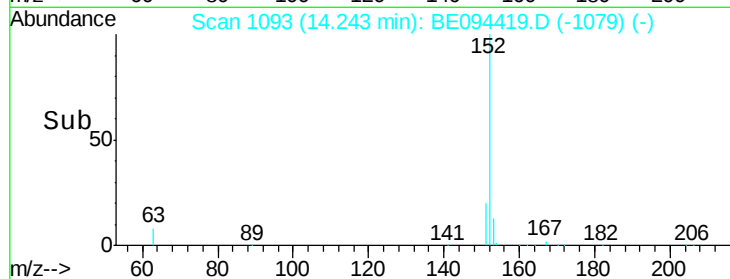
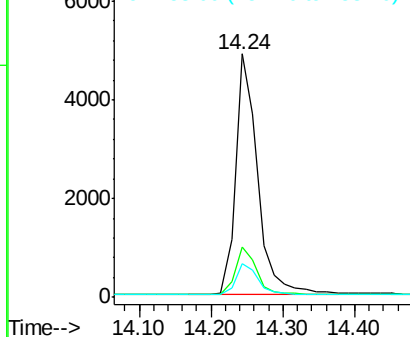
Tgt Ion:	152	Resp:	10364
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.7	23.5
153	13.5	10.5	15.7

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



#17

Acenaphthene

Concen: 1.404 ng

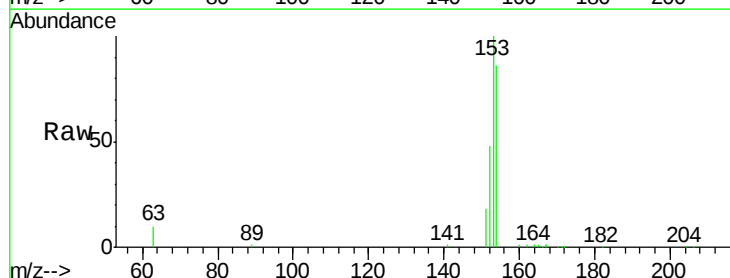
RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

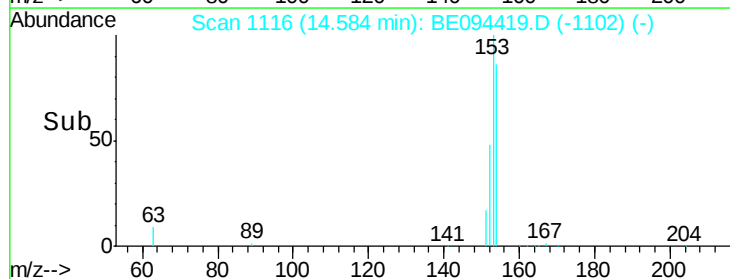
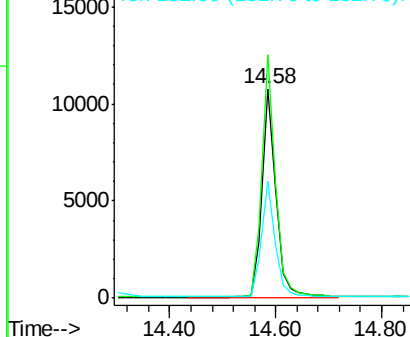
Lab File: BE094419.D

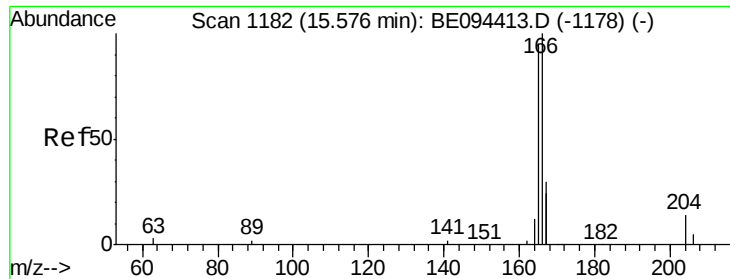
Acq: 16 Oct 2017 16:11

Tgt Ion:	154	Resp:	19119
Ion Ratio	Lower	Upper	
154	100		
153	114.2	89.2	133.8
152	54.5	42.0	63.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





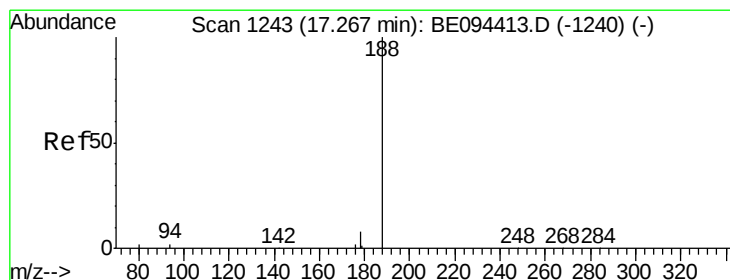
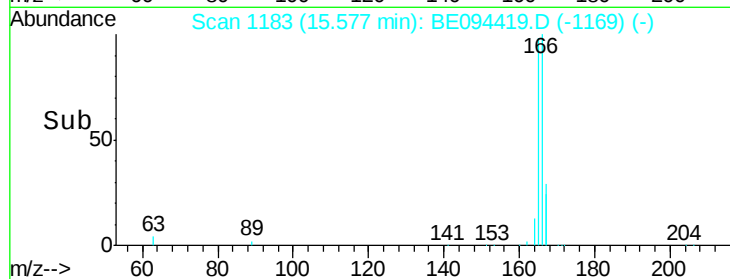
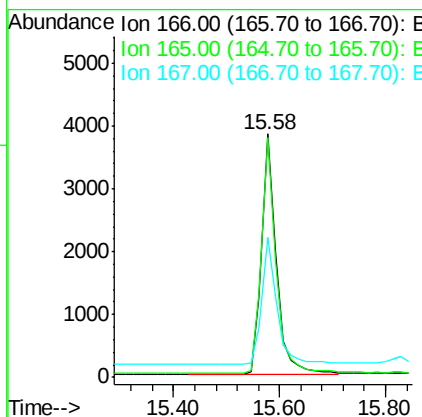
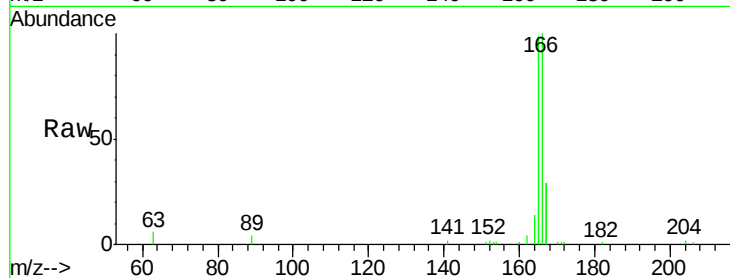
#18
Fluorene
 Concen: 0.413 ng
 RT: 15.58 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: BE094419.D
 Acq: 16 Oct 2017 16:11

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WPDL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.8	116.6
167	54.2	42.4	63.6

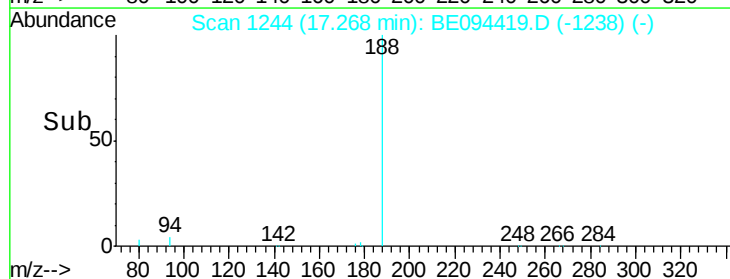
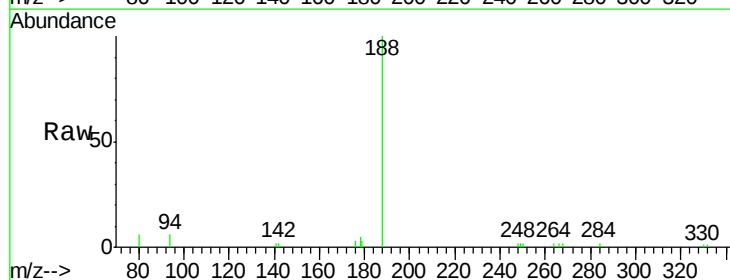
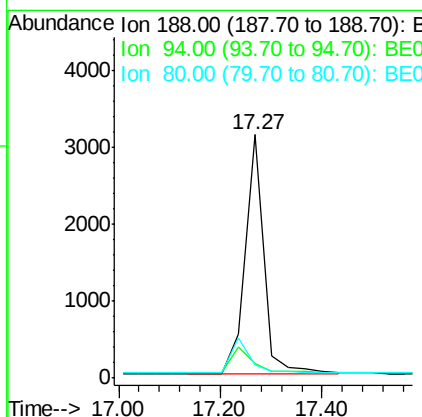
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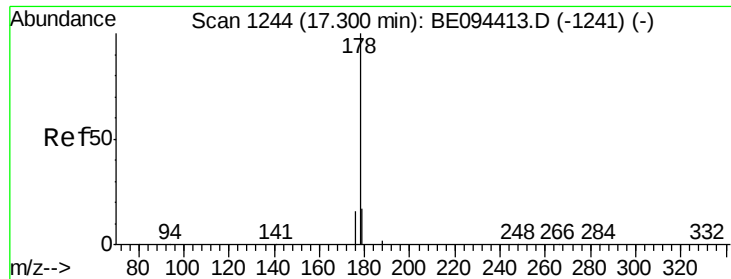
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.27 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: BE094419.D
 Acq: 16 Oct 2017 16:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	3.9	5.9#
80	5.7	3.6	5.4#





#23

Phenanthrene

Concen: 0.190 ng m

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094419.D

Acq: 16 Oct 2017 16:11

Instrument :

BNA_E

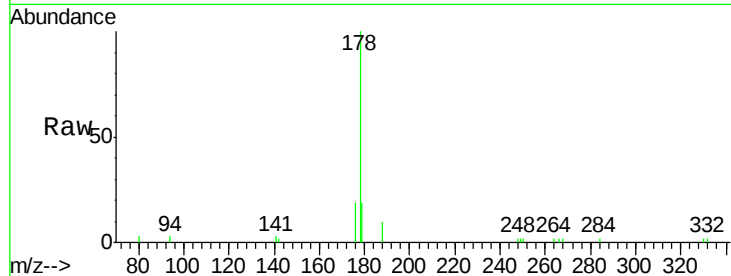
ClientSampleId :

RR-PAH-WPDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.1	22.7
179	18.8	11.8	17.6

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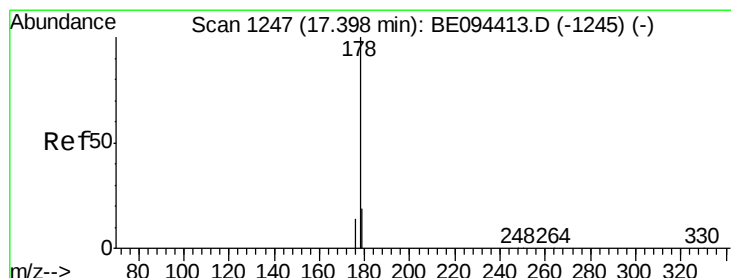
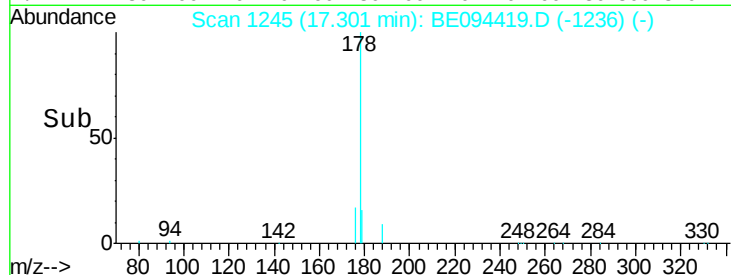
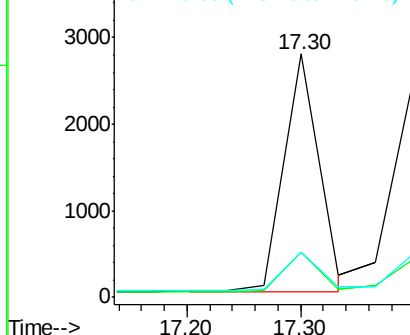
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.256 ng m

RT: 17.40 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE094419.D

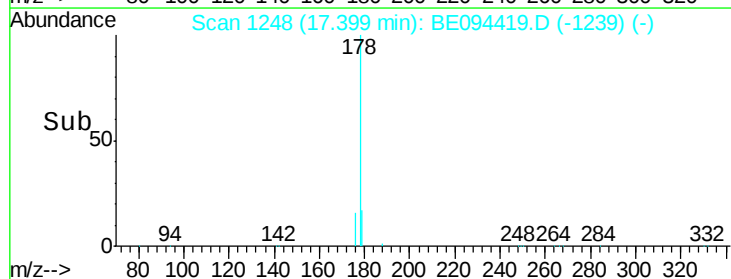
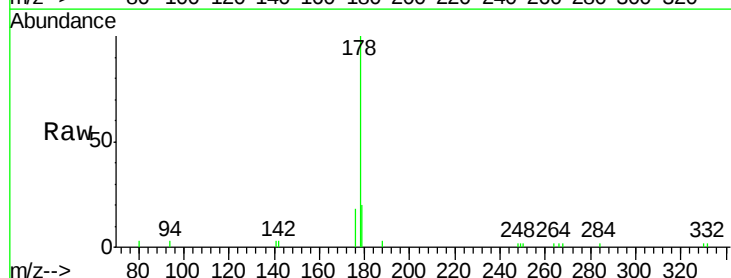
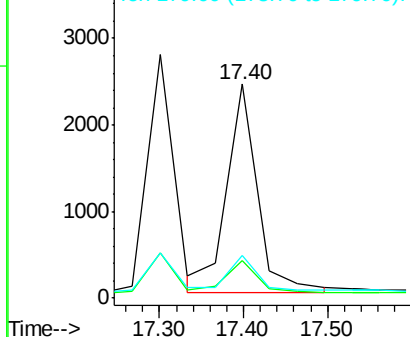
Acq: 16 Oct 2017 16:11

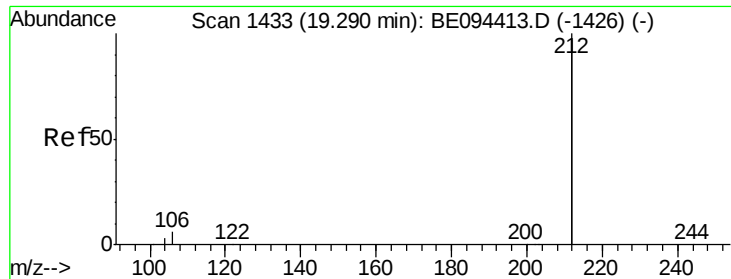
Tgt Ion	Ratio	Lower	Upper
178	100		
176	13.9	12.8	19.2
179	15.3	13.0	19.6

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





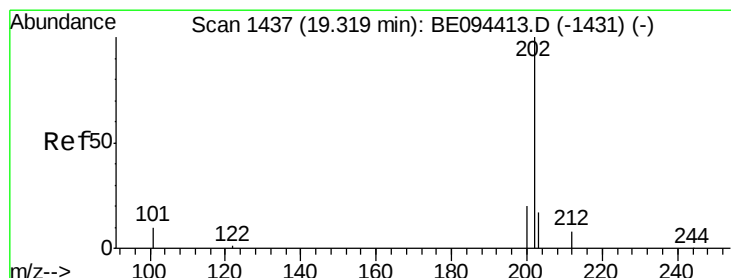
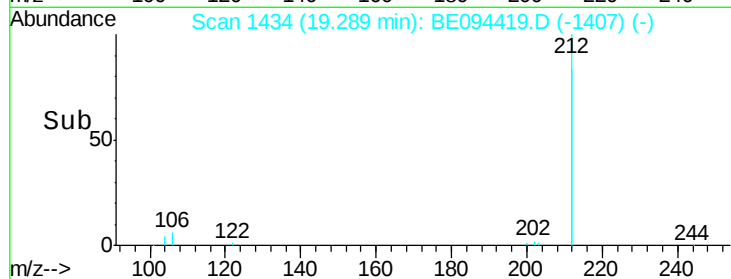
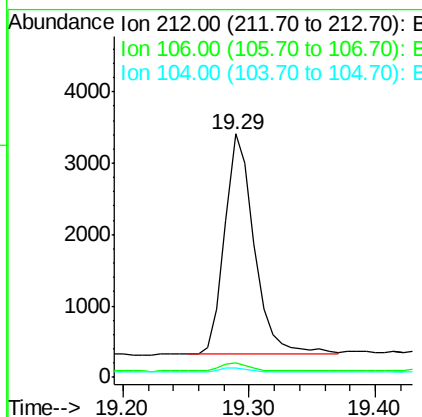
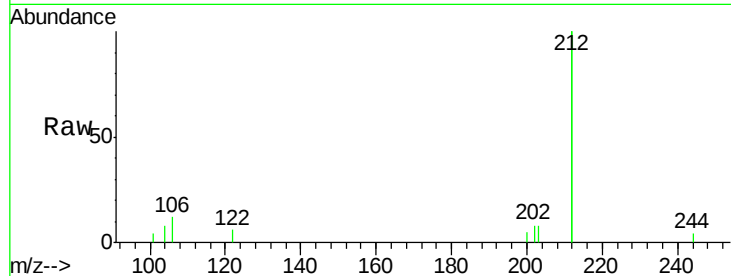
#25
 Fluoranthene-d10
 Concen: 0.039 ng
 RT: 19.29 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BE094419.D
 Acq: 16 Oct 2017 16:11

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WPDL

Tgt Ion	Ratio	Lower	Upper
212	100		
106	4.9	2.8	4.2#
104	1.9	1.6	2.4

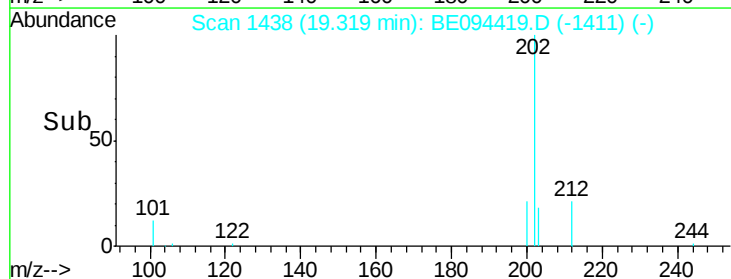
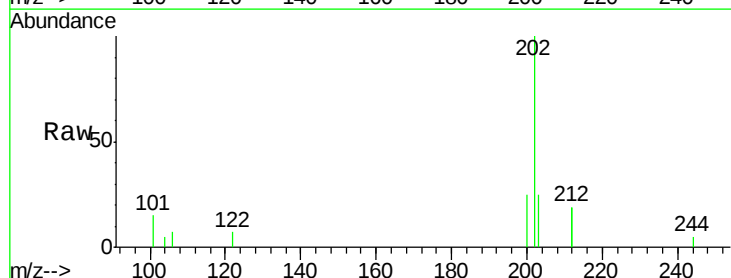
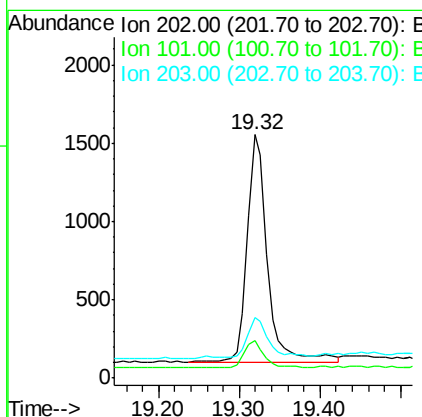
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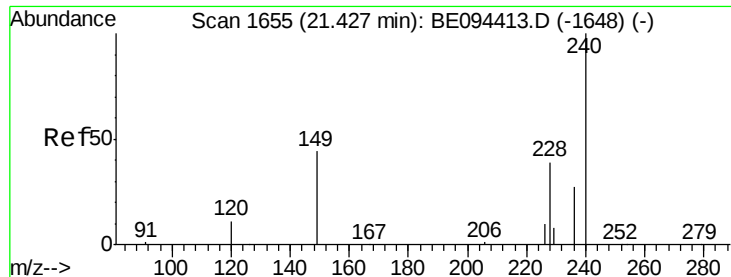
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#26
 Fluoranthene
 Concen: 0.066 ng
 RT: 19.32 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BE094419.D
 Acq: 16 Oct 2017 16:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.8	14.8
203	18.0	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: BE094419.D

Acq: 16 Oct 2017 16:11

Instrument :

BNA_E

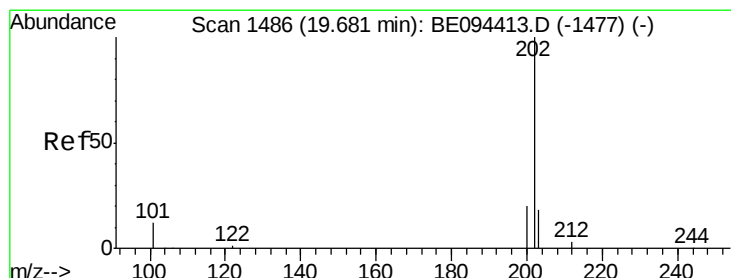
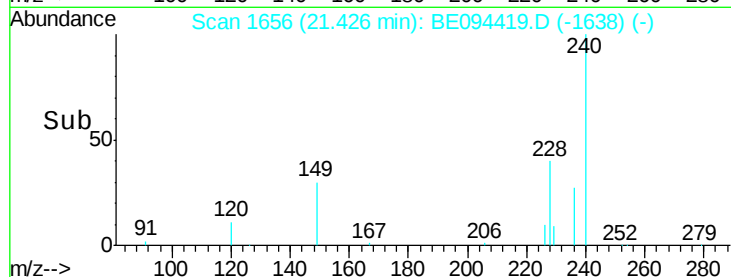
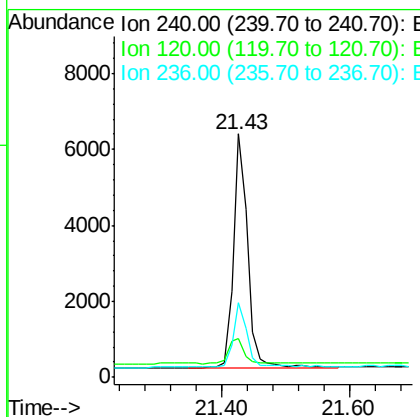
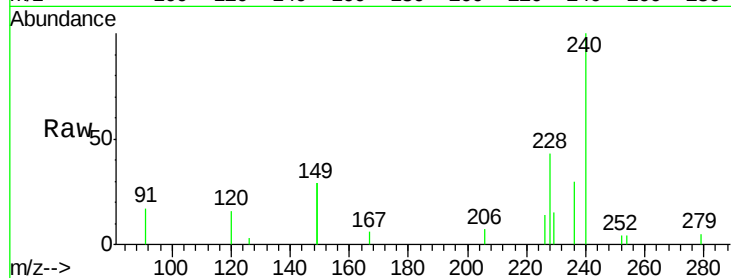
ClientSampleId :

RR-PAH-WPDL

Tgt Ion:240 Resp: 9604
 Ion Ratio Lower Upper
 240 100
 120 16.1 5.5 8.3#
 236 30.5 20.7 31.1

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#28

Pyrene

Concen: 0.201 ng

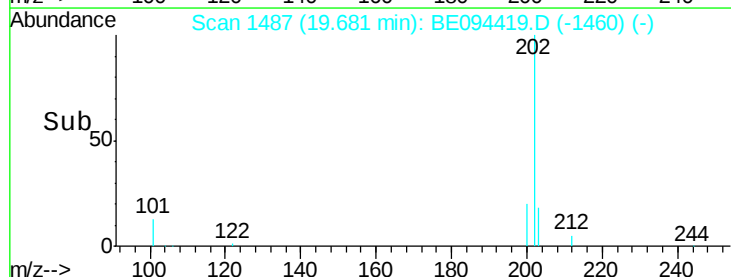
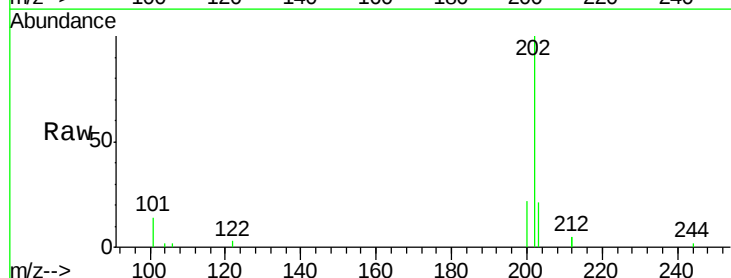
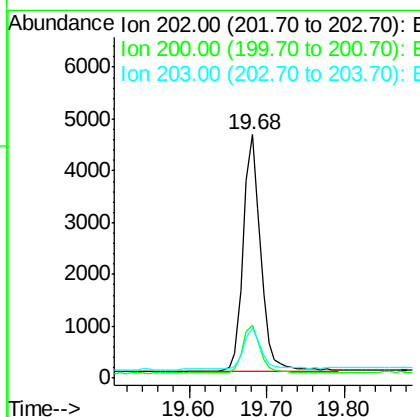
RT: 19.68 min Scan# 1487

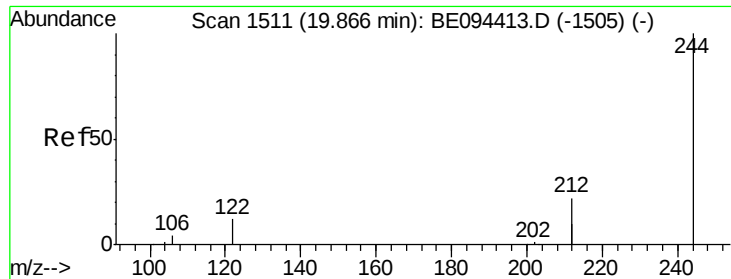
Delta R.T. -0.00 min

Lab File: BE094419.D

Acq: 16 Oct 2017 16:11

Tgt Ion:202 Resp: 7273
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.6 25.0
 203 20.4 13.8 20.8





#29

Terphenyl-d14

Concen: 0.052 ng

RT: 19.87 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BE094419.D

Acq: 16 Oct 2017 16:11

Instrument :

BNA_E

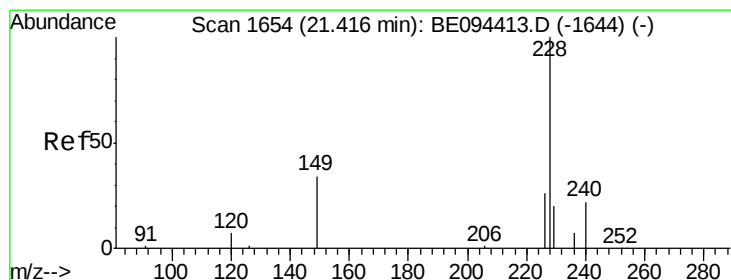
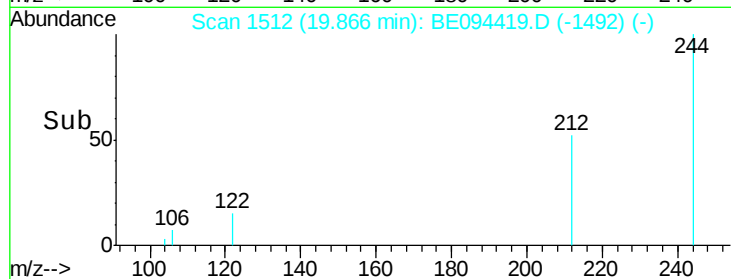
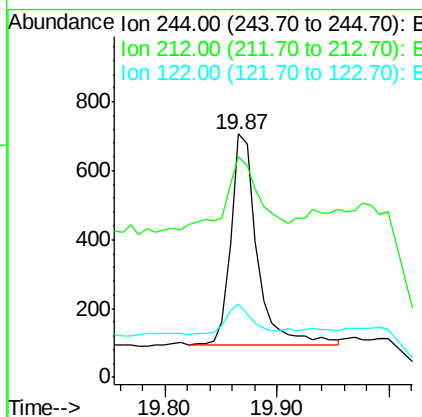
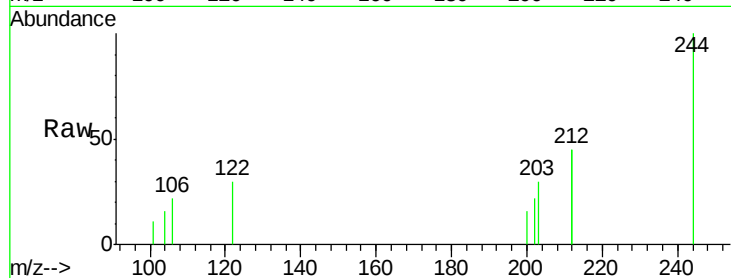
ClientSampleId :

RR-PAH-WPDL

Tgt Ion:	244	Resp:	1003
Ion Ratio	Lower	Upper	
244	100		
212	90.8	25.4	38.0#
122	30.1	8.1	12.1#

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#30

Benzo(a)anthracene

Concen: 0.382 ng

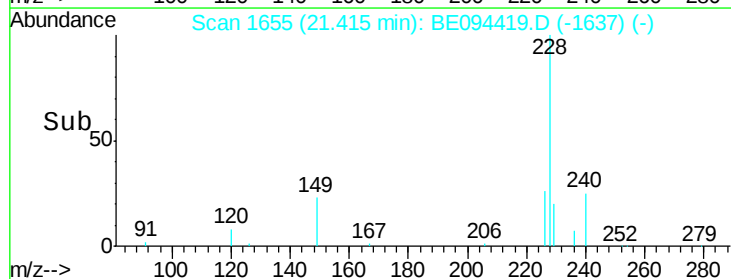
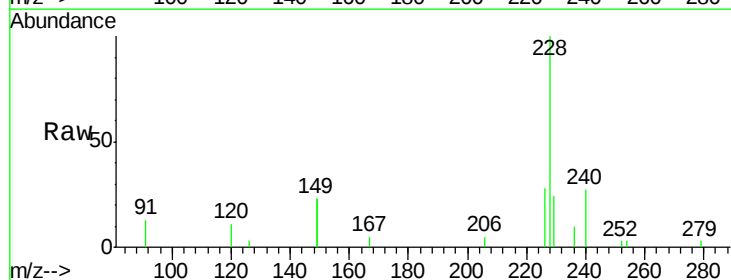
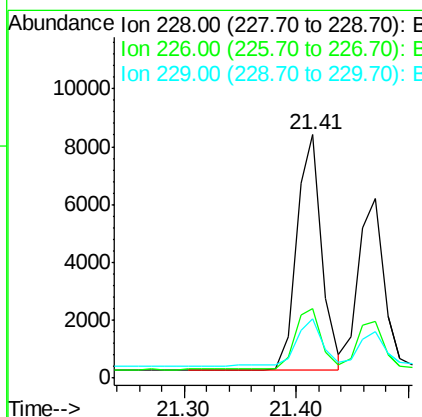
RT: 21.41 min Scan# 1655

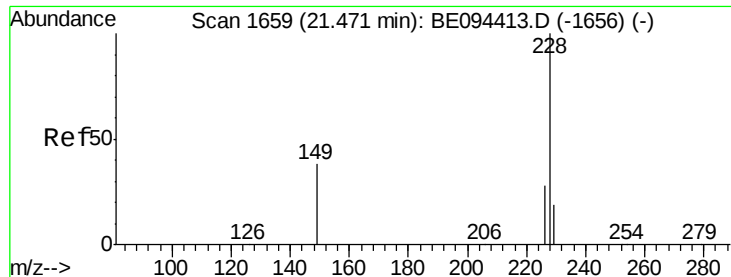
Delta R.T. -0.00 min

Lab File: BE094419.D

Acq: 16 Oct 2017 16:11

Tgt Ion:	228	Resp:	12683
Ion Ratio	Lower	Upper	
228	100		
226	28.5	40.0	60.0#
229	24.5	40.0	60.0#





#31

Chrysene

Concen: 0.306 ng

RT: 21.47 min Scan# 1660

Delta R.T. -0.00 min

Lab File: BE094419.D

Acq: 16 Oct 2017 16:11

Instrument :

BNA_E

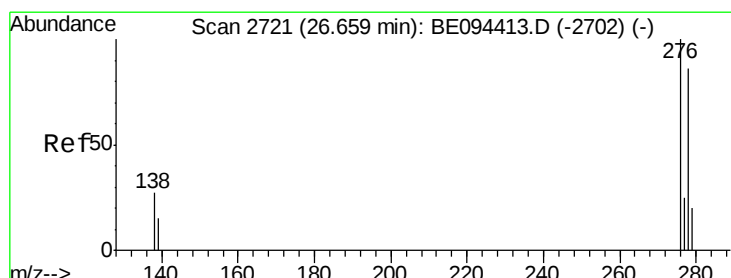
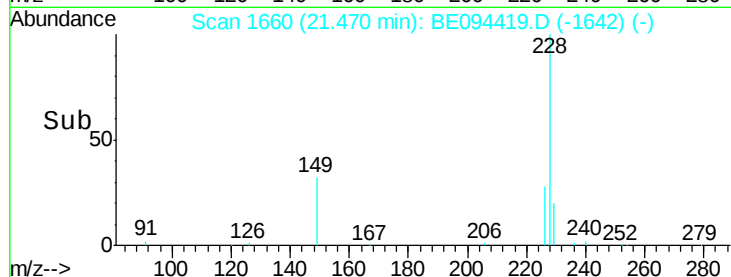
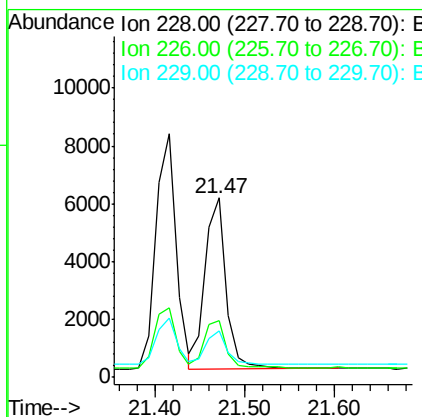
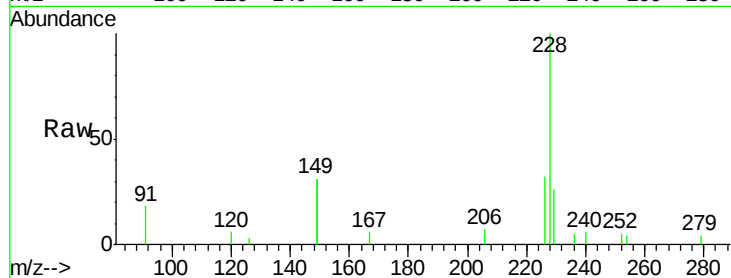
ClientSampleId :

RR-PAH-WPDL

Tgt Ion:	228	Resp:	9775
Ion Ratio	Lower	Upper	
228	100		
226	31.6	40.0	60.0#
229	25.6	40.0	60.0#

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.074 ng

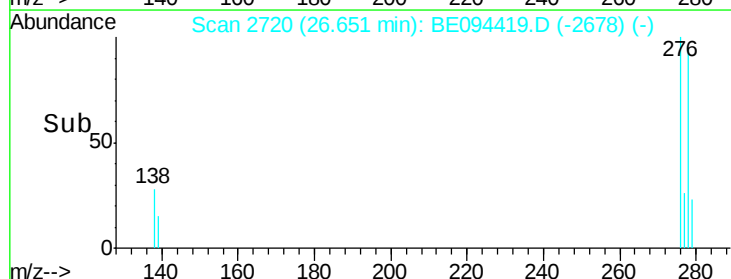
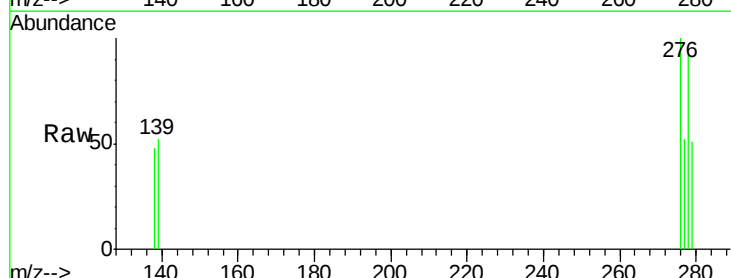
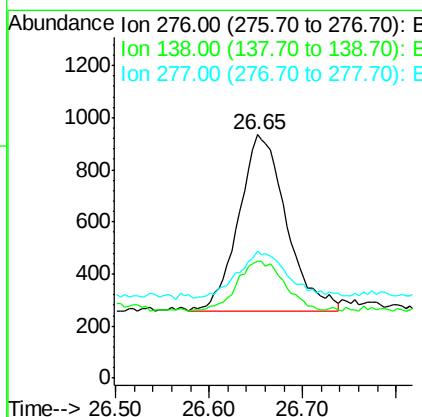
RT: 26.65 min Scan# 2720

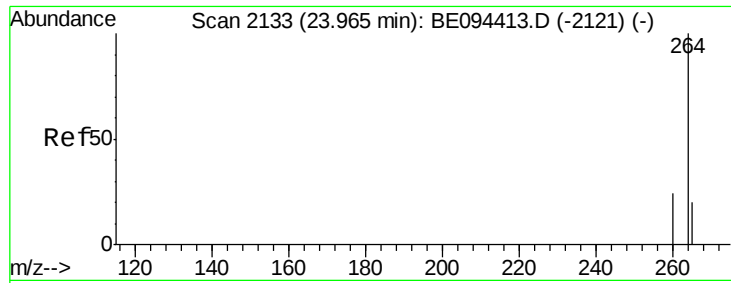
Delta R.T. -0.01 min

Lab File: BE094419.D

Acq: 16 Oct 2017 16:11

Tgt Ion:	276	Resp:	2397
Ion Ratio	Lower	Upper	
276	100		
138	27.9	22.5	33.7
277	26.3	19.9	29.9





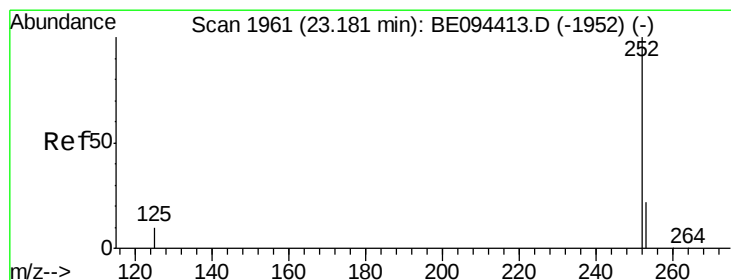
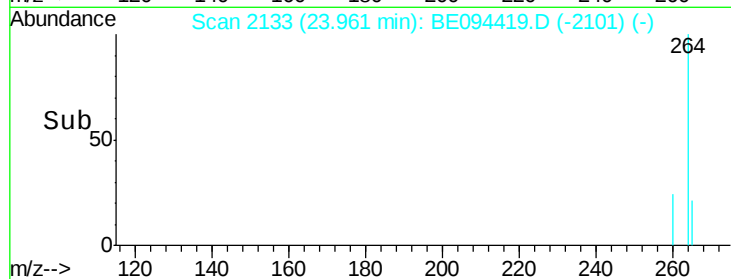
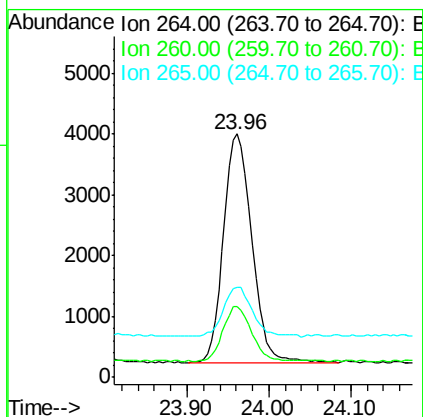
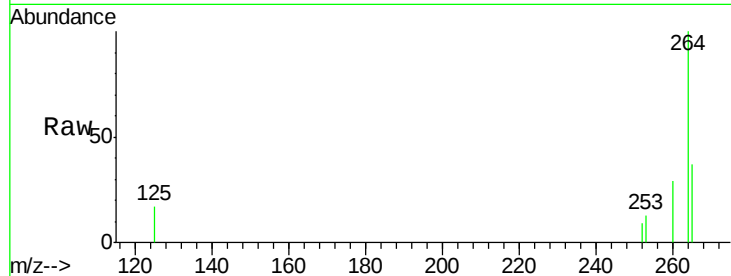
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.96 min Scan# 2133
 Delta R.T. -0.00 min
 Lab File: BE094419.D
 Acq: 16 Oct 2017 16:11

Instrument :
 BNA_E
 ClientSampleId :
 RR-PAH-WPDL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	29.3	20.5	30.7
265	37.0	22.8	34.2

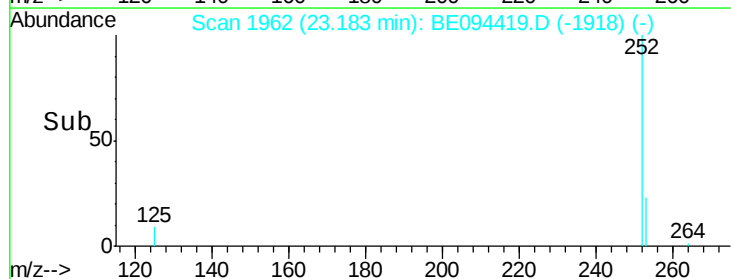
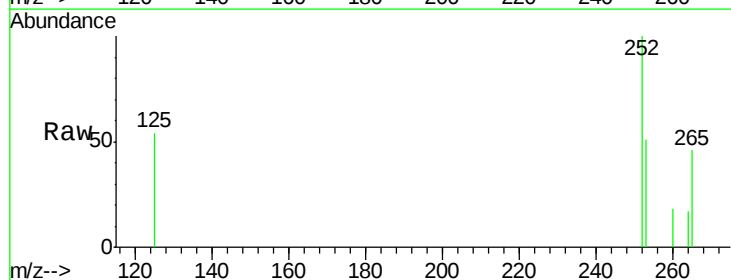
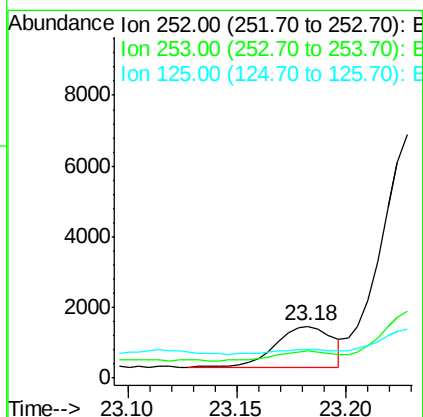
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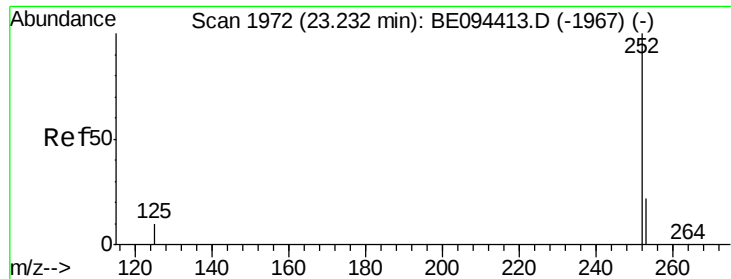
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#35
Benzo(b)fluoranthene
 Concen: 0.068 ng
 RT: 23.18 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: BE094419.D
 Acq: 16 Oct 2017 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	51.3	48.0	72.0
125	54.4	56.0	84.0





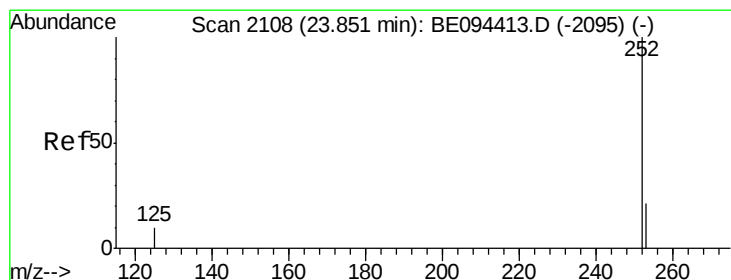
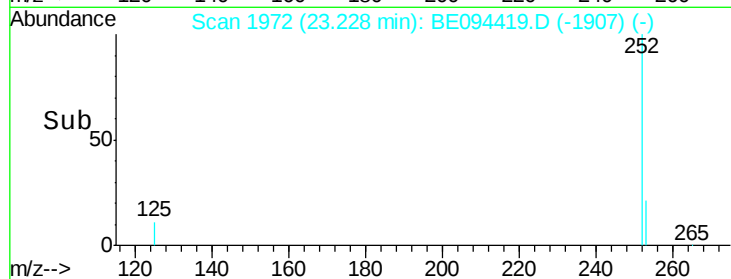
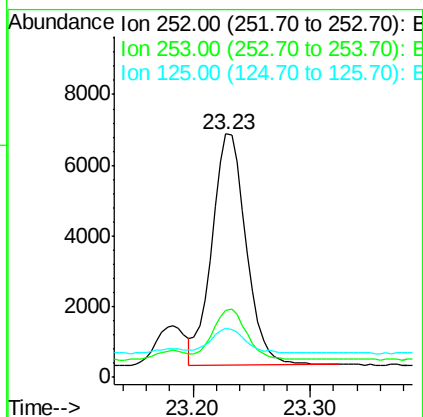
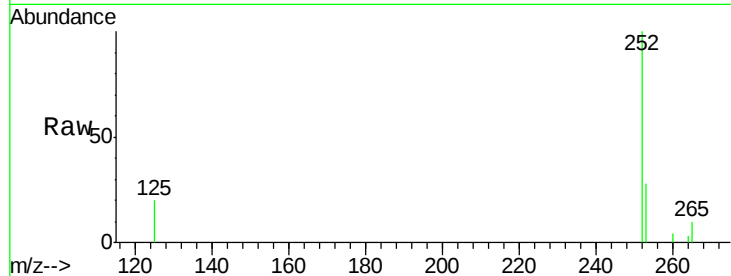
#36
Benzo(k)fluoranthene
Concen: 0.442 ng
RT: 23.23 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BE094419.D
Acq: 16 Oct 2017 16:11

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	48.0	72.0#
125	20.1	56.0	84.0#

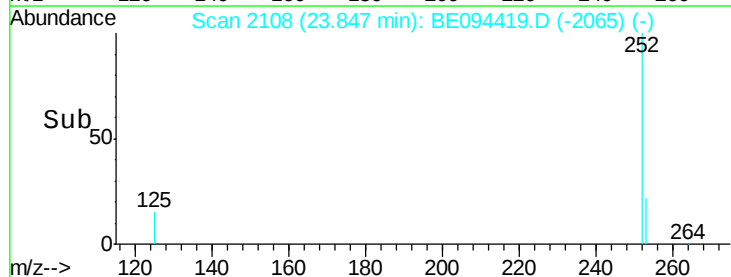
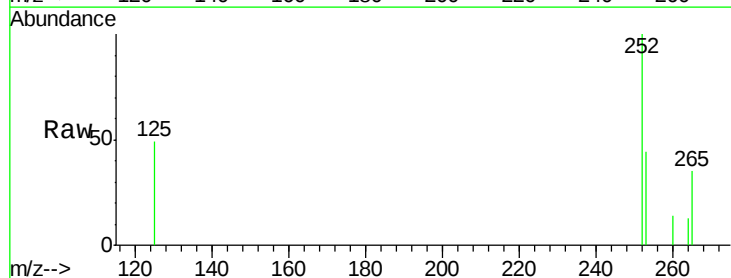
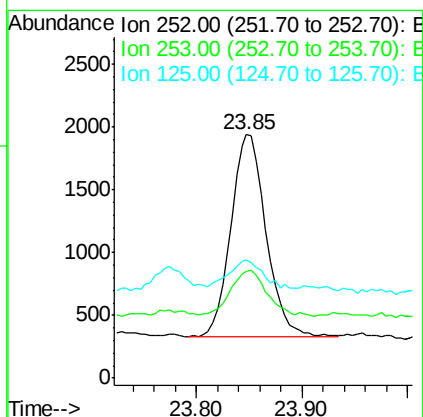
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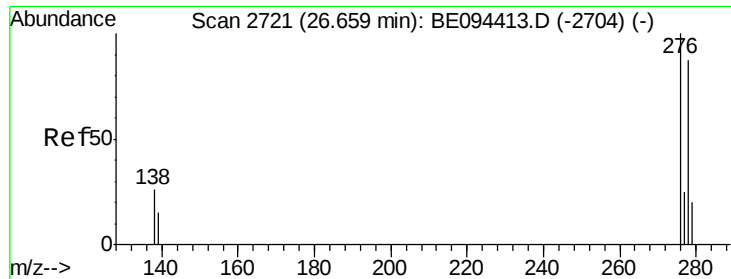
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#37
Benzo(a)pyrene
Concen: 0.129 ng
RT: 23.85 min Scan# 2108
Delta R.T. -0.00 min
Lab File: BE094419.D
Acq: 16 Oct 2017 16:11

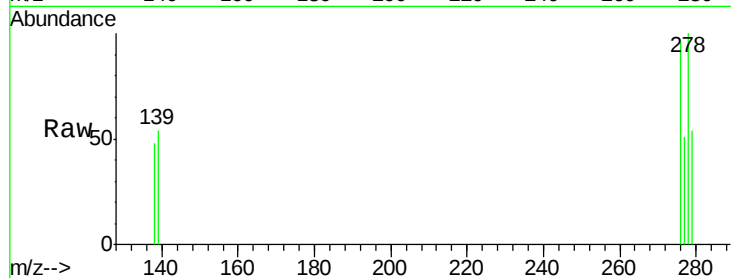
Tgt Ion	Ratio	Lower	Upper
252	100		
253	44.0	52.0	78.0#
125	48.7	68.0	102.0#





#38
Dibenzo(a,h)anthracene
Concen: 0.091 ng
RT: 26.66 min Scan# 2723
Delta R.T. 0.01 min
Lab File: BE094419.D
Acq: 16 Oct 2017 16:11

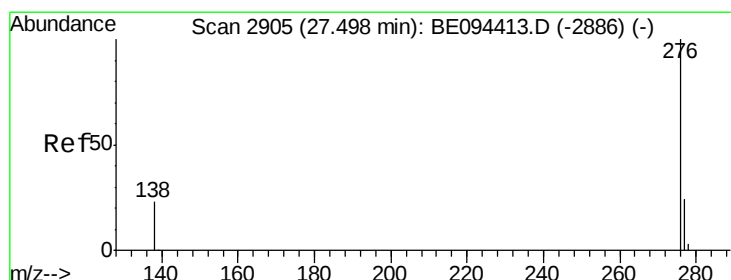
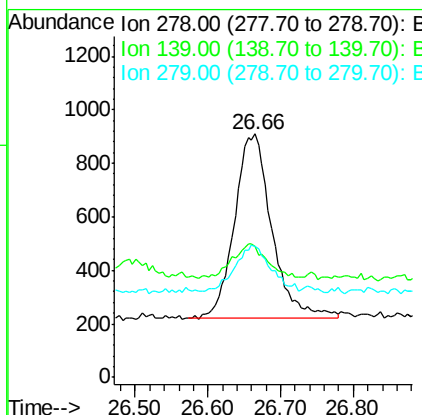
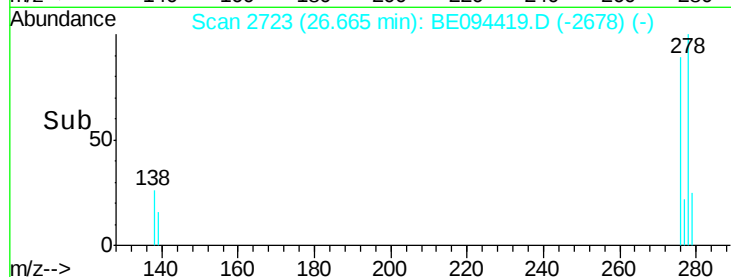
Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL



Tgt Ion: 278 Resp: 2464
Ion Ratio Lower Upper
278 100
139 54.1 56.0 84.0#
279 53.8 52.0 78.0

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#39
Benzo(g,h,i)perylene
Concen: 0.352 ng
RT: 27.49 min Scan# 2905
Delta R.T. -0.00 min
Lab File: BE094419.D
Acq: 16 Oct 2017 16:11

Tgt Ion: 276 Resp: 9195
Ion Ratio Lower Upper
276 100
277 33.4 52.0 78.0#
138 31.2 44.0 66.0#

