Quantitation Report (Not Reviewed)

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

Quant Time: Oct 16 16:19:04 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	518	0.35	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
2) 1,4-Dioxane	3.51	88	46	Below Cal		#	1
6) bis(2-Chloroethyl)ether	7.34	93	103	0.022	ng	#	56
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
21) Hexachlorobenzene	16.58	284	4	0.028	ng	#	38
22) Pentachlorophenol	16.98	266	16	0.180	ng		95
23) Phenanthrene	17.30	178	43386	1.711	ng	#	88
24) Anthracene	17.30	178	43381	2.215	ng	#	91
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
32) Bis(2-ethylhexyl)phthalate	21.29	149	2497	0.026	ng	#	94
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

Quantitation Report (Not Reviewed)

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Acq On : 16 Oct 2017 15:29
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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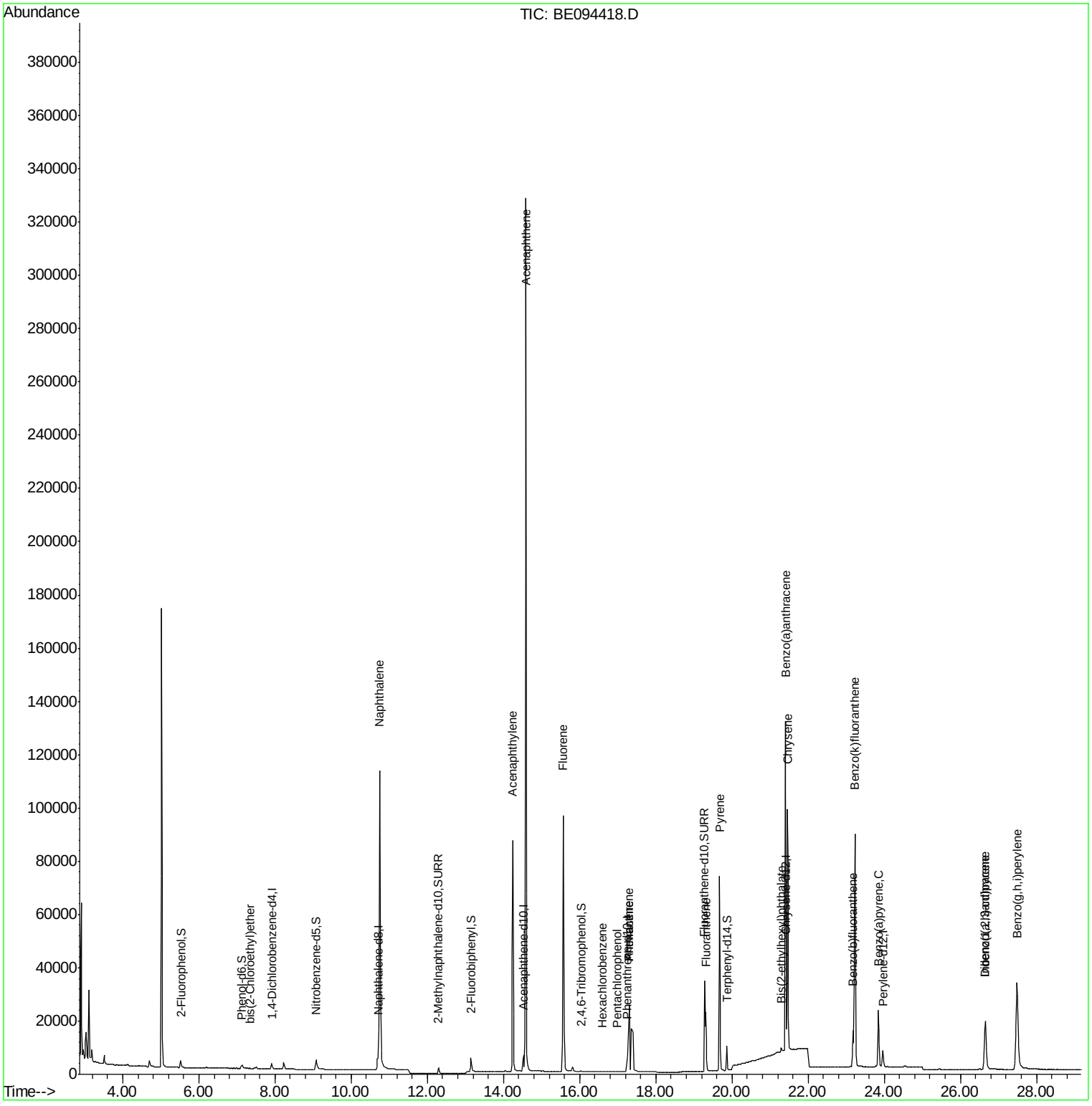
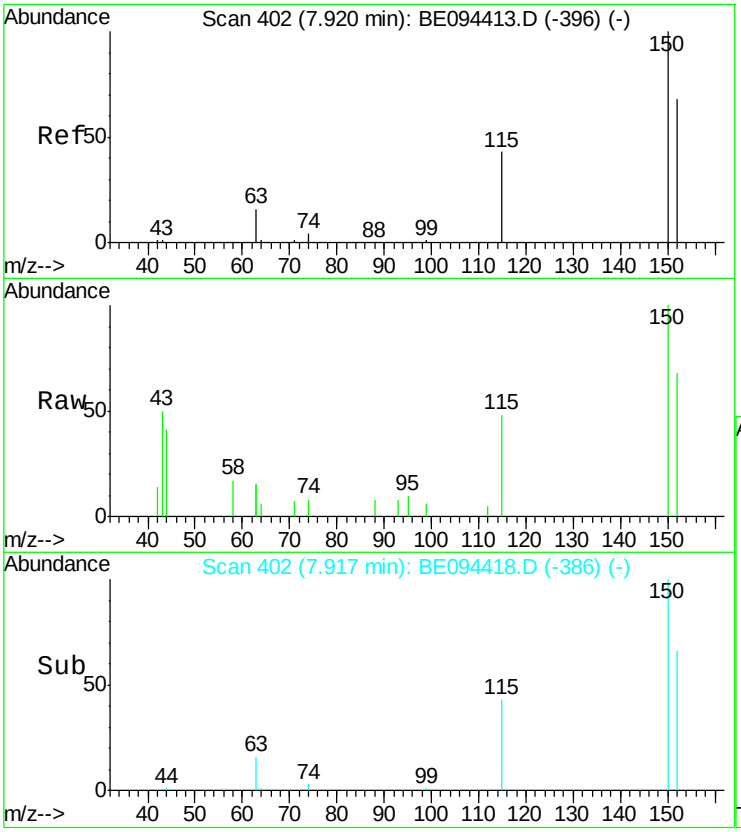


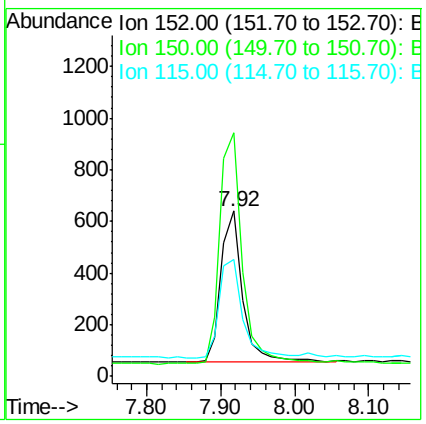


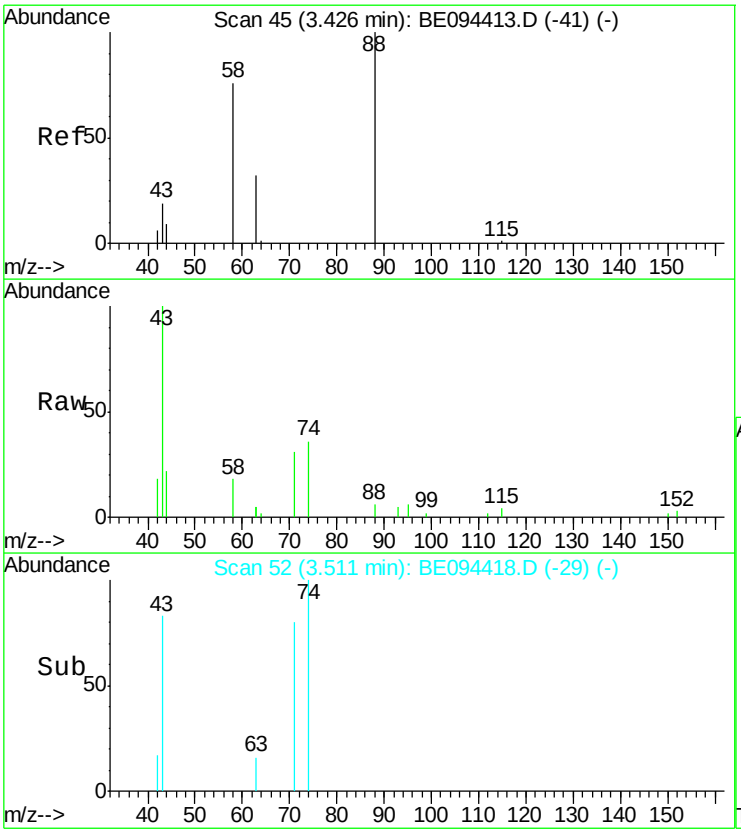
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.92 min Scan# 402
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:152 Resp: 1202

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

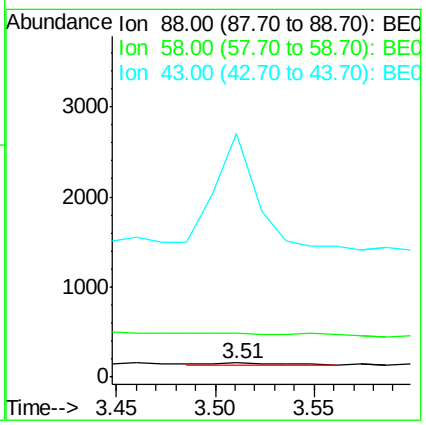


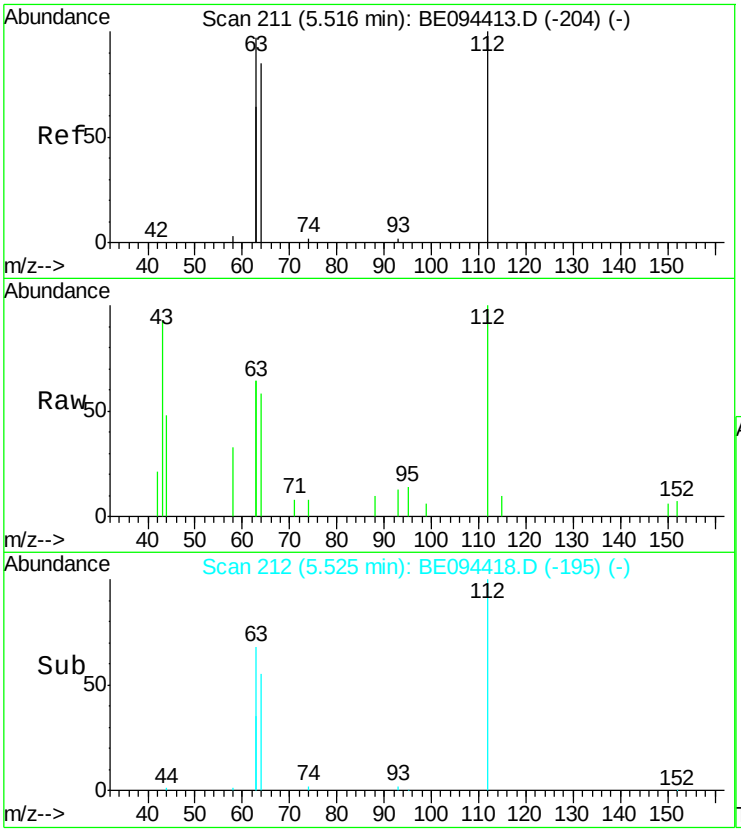


#2
1,4-Dioxane
Concen: Below Cal
RT: 3.51 min Scan# 52
Delta R.T. 0.09 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion: 88 Resp: 46

Ion	Ratio	Lower	Upper
88	100		
58	0.0	63.2	94.8#
43	4180.4	41.2	61.8#



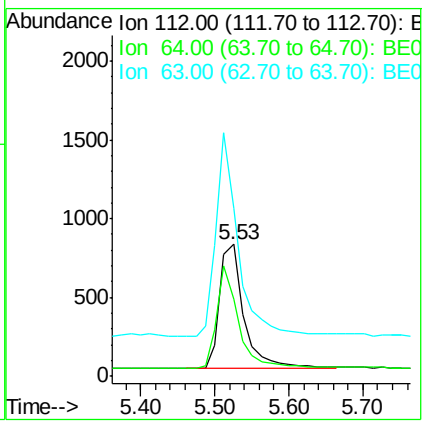


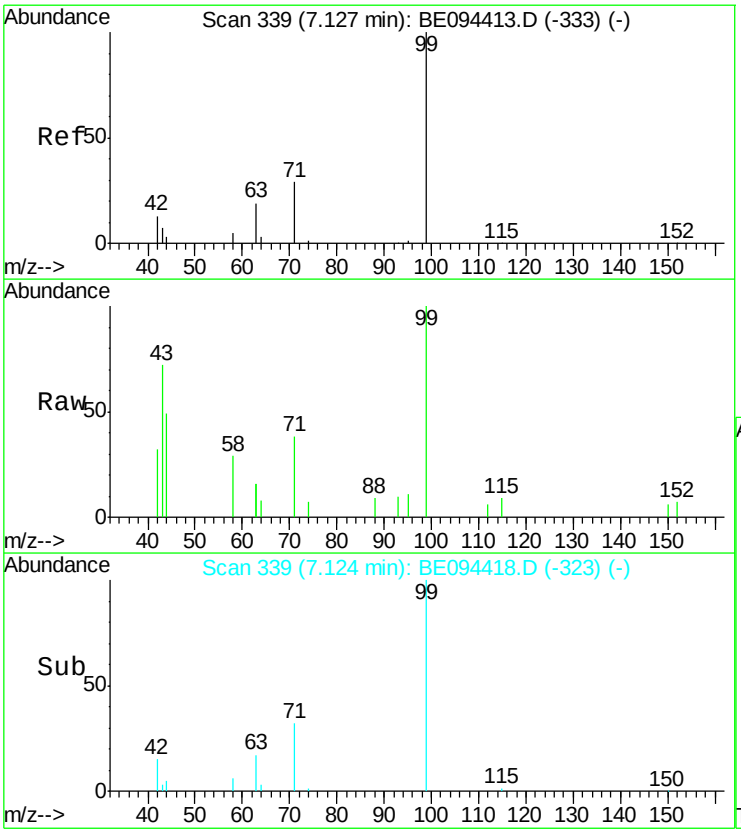
#4
2-Fluorophenol
Concen: 0.447 ng
RT: 5.53 min Scan# 212
Delta R.T. 0.01 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:112 Resp: 1815

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

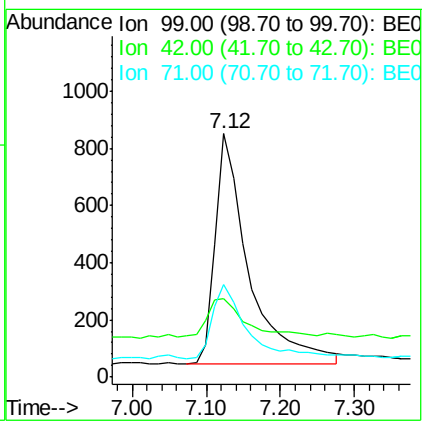


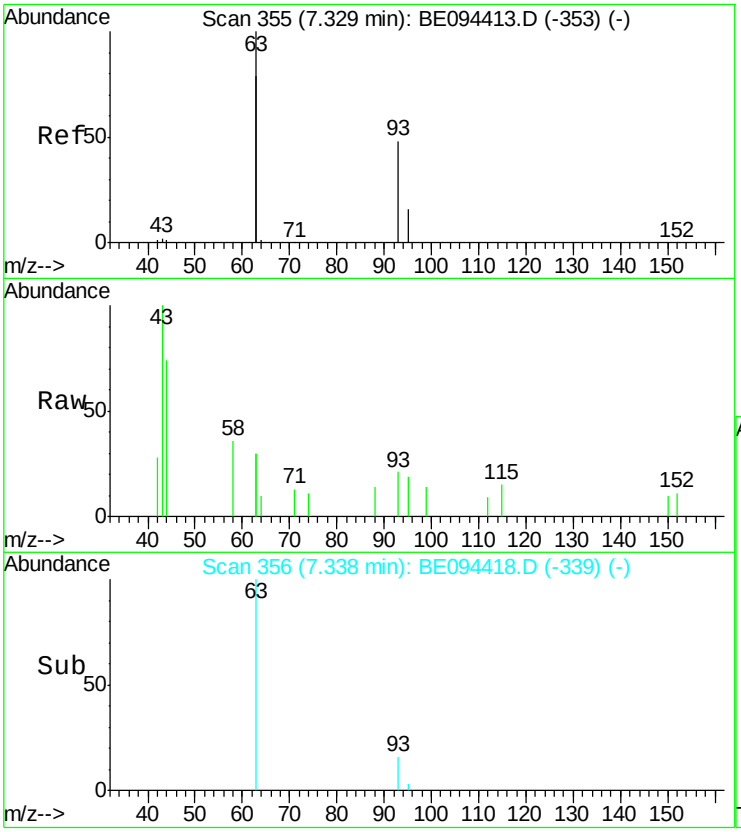


#5
Phenol-d6
Concen: 0.401 ng
RT: 7.12 min Scan# 339
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

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



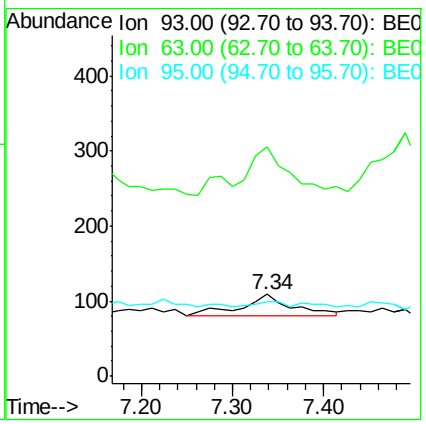


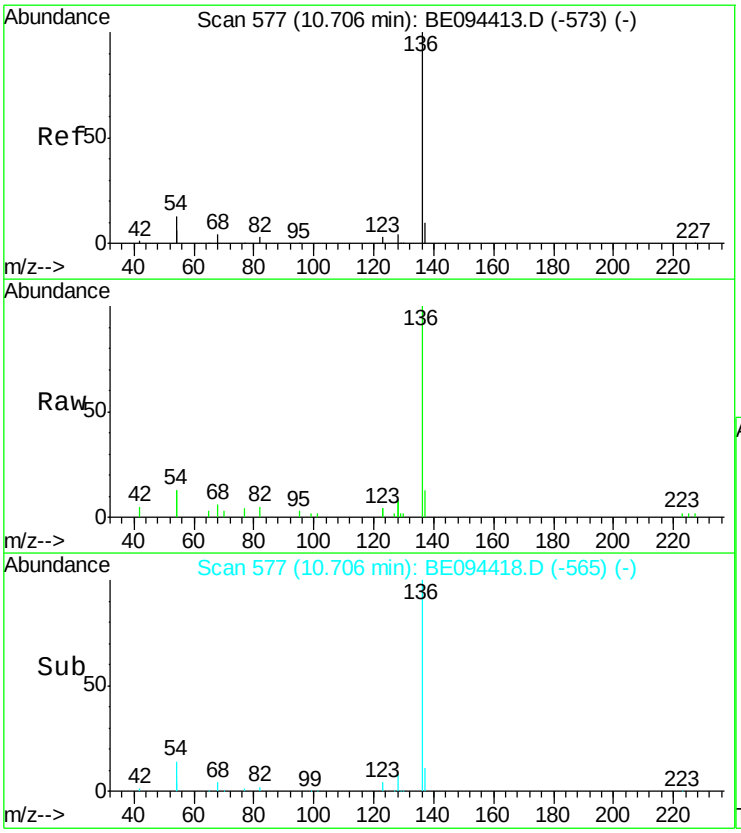
#6
bis(2-Chloroethyl)ether
Concen: 0.022 ng
RT: 7.34 min Scan# 356
Delta R.T. 0.01 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion: 93 Resp: 103

Ion	Ratio	Lower	Upper
93	100		
63	246.6	275.3	412.9#
95	14.6	25.2	37.8#

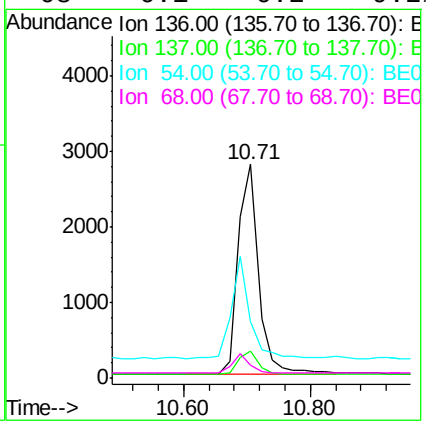


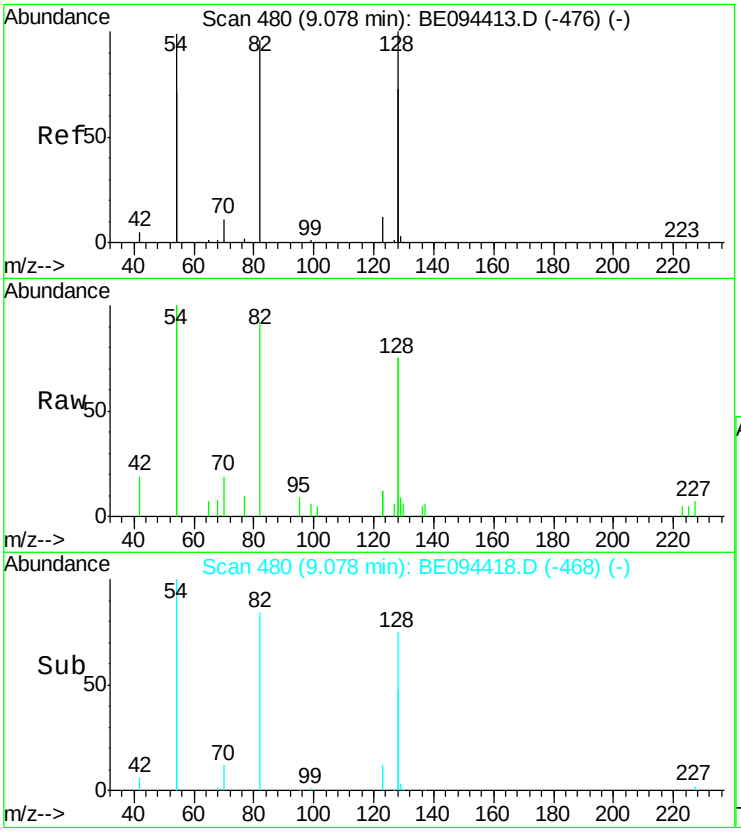


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.71 min Scan# 577
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

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#



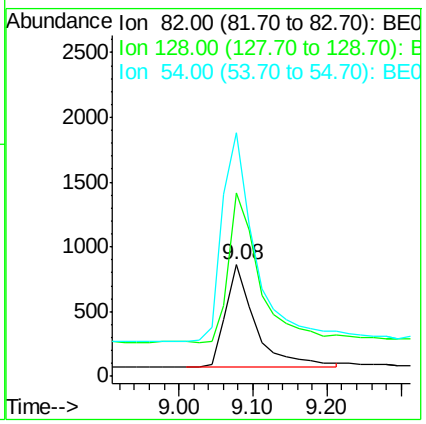


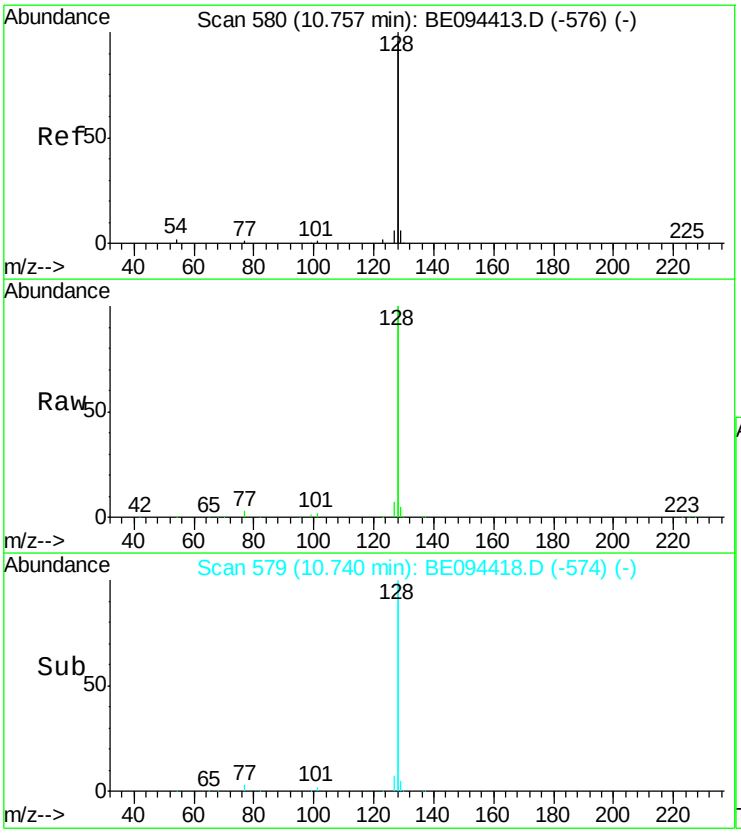
#8
Nitrobenzene-d5
Concen: 0.408 ng
RT: 9.08 min Scan# 480
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
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

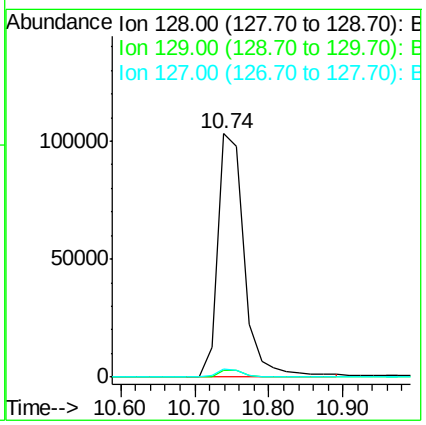


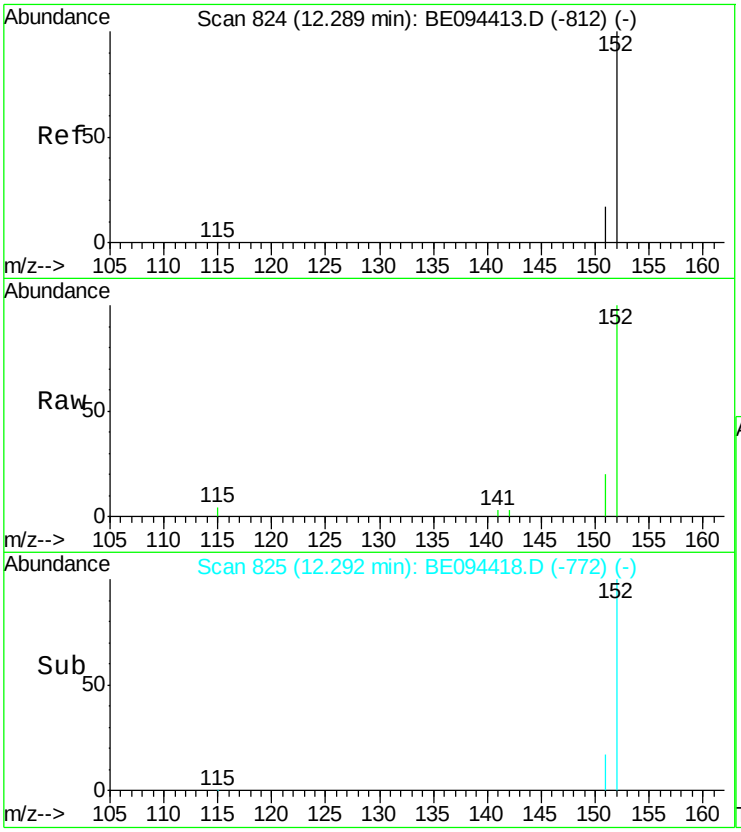


#9
Naphthalene
Concen: 3.604 ng
RT: 10.74 min Scan# 579
Delta R.T. -0.02 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

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



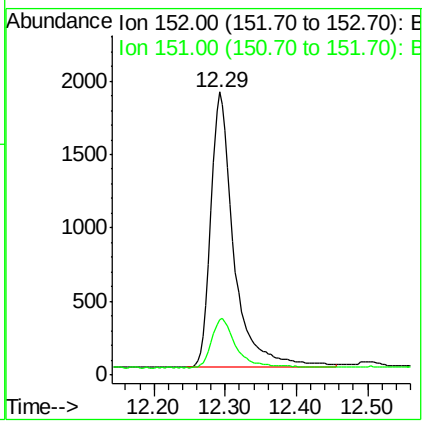


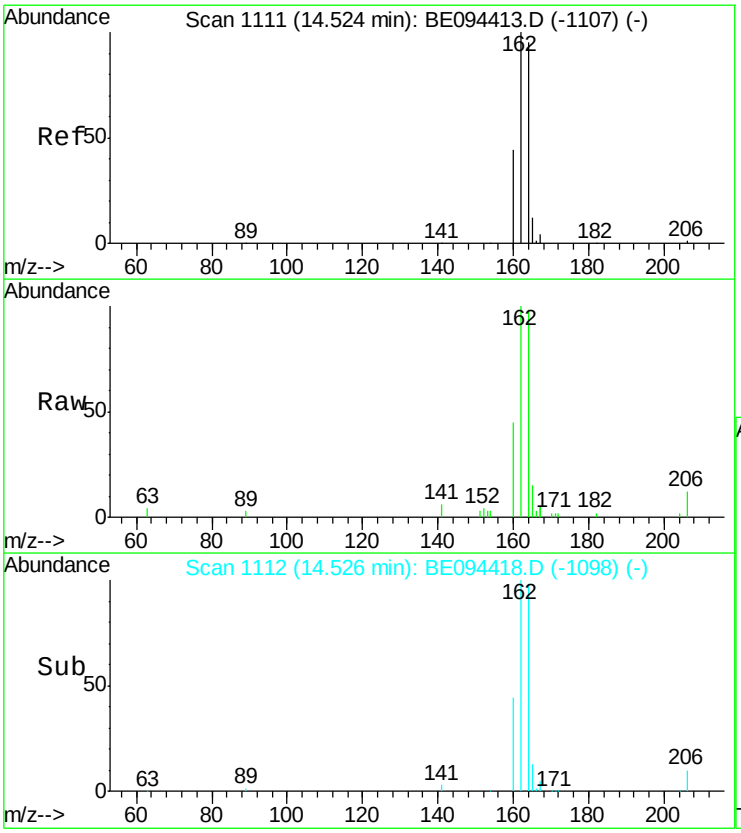
#11
2-Methylnaphthalene-d10
Concen: 0.433 ng
RT: 12.29 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

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

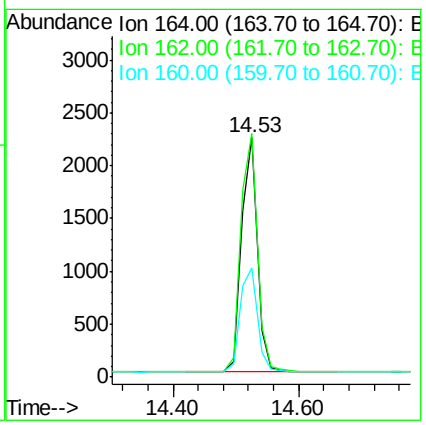


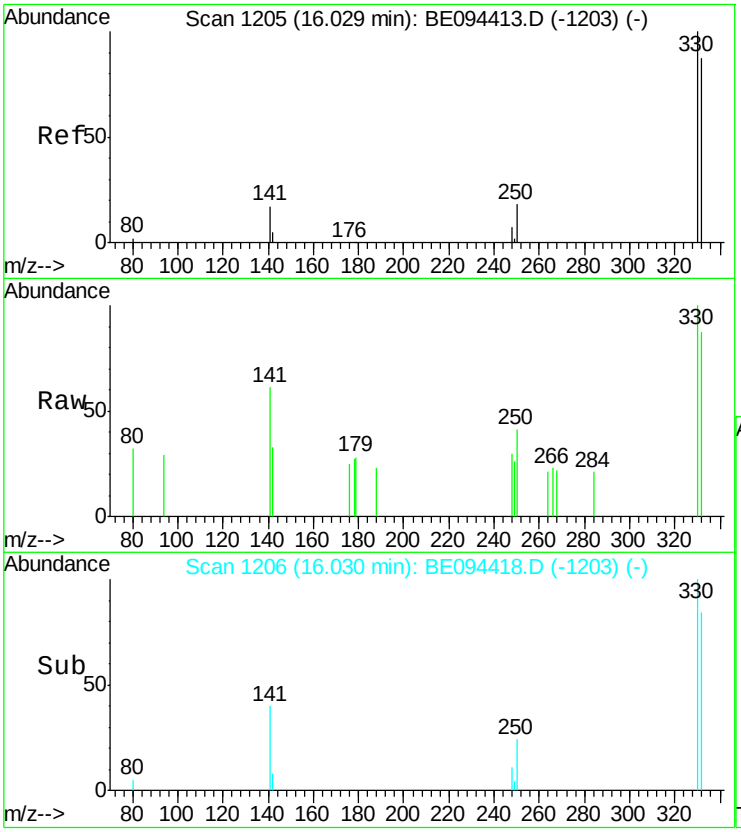


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

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



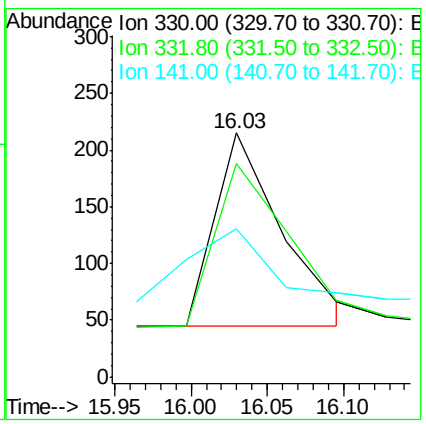


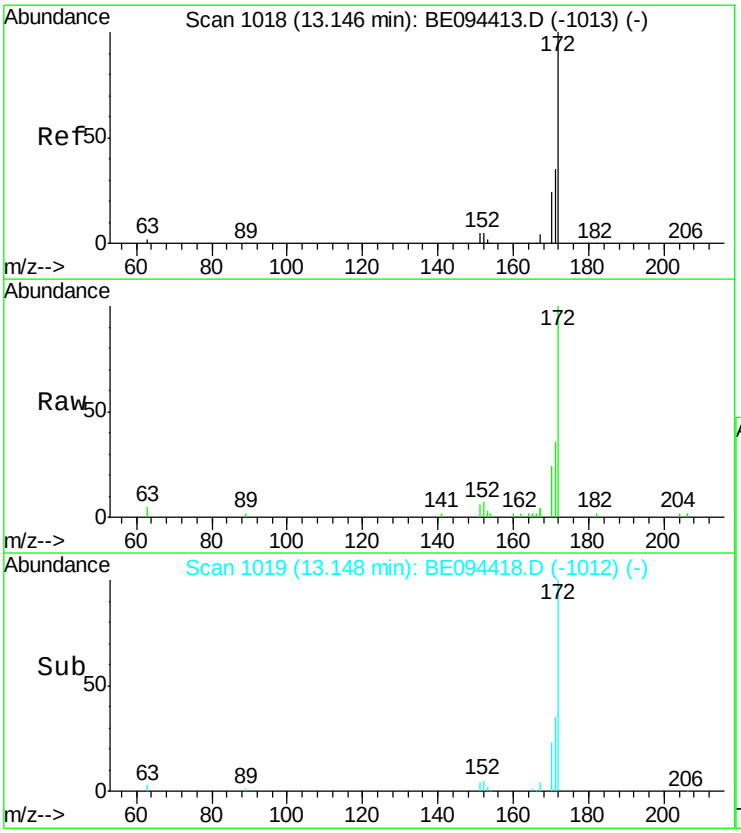
#14
2,4,6-Tribromophenol
Concen: 0.352 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:330 Resp: 518

Ion	Ratio	Lower	Upper
330	100		
332	93.6	152.7	229.1#
141	0.0	33.7	50.5#

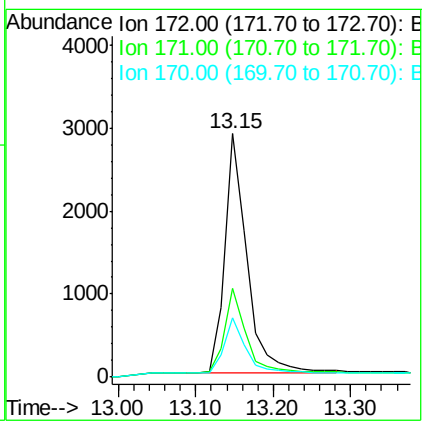


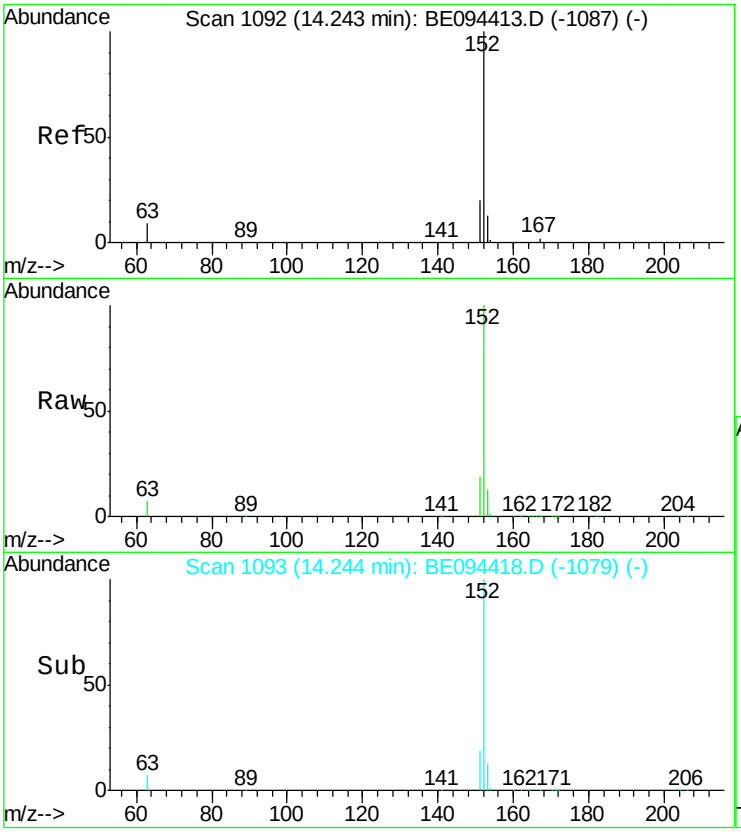


#15
2-Fluorobiphenyl
Concen: 0.418 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion:172 Resp: 5757

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



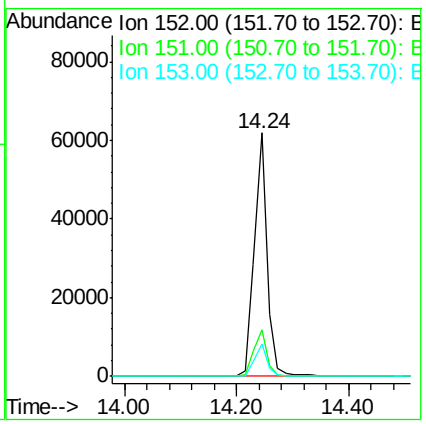


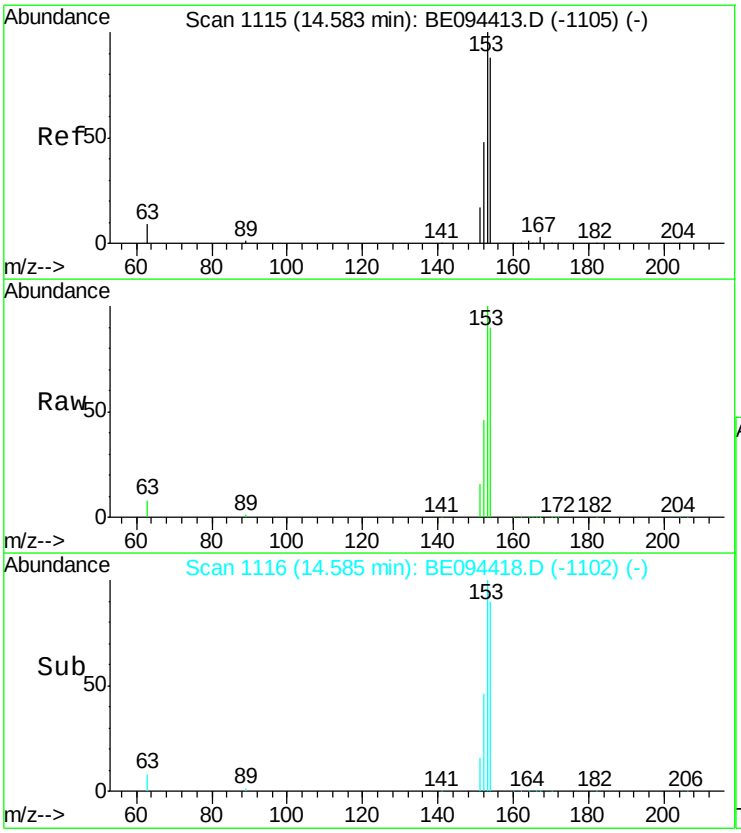
#16
Acenaphthylene
Concen: 4.748 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:152 Resp: 99381

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

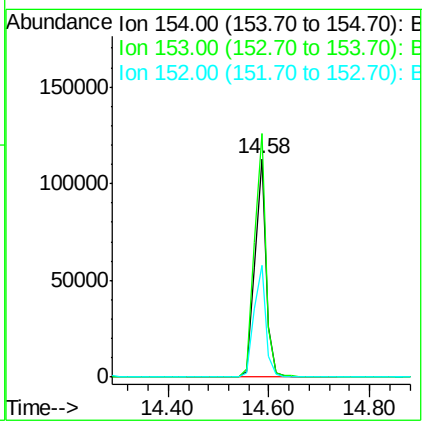


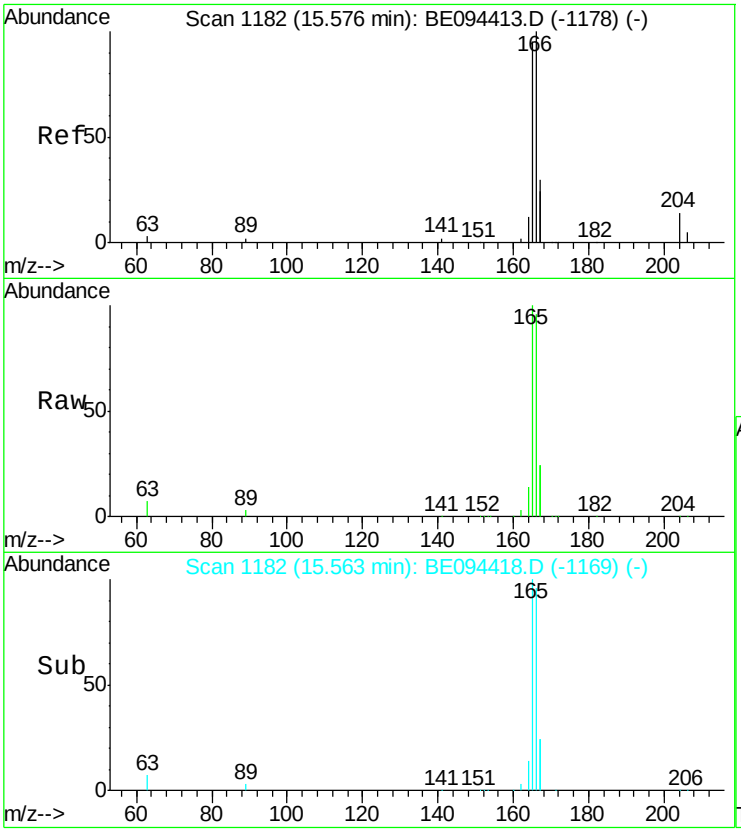


#17
Acenaphthene
Concen: 13.648 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion:154 Resp: 179878

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



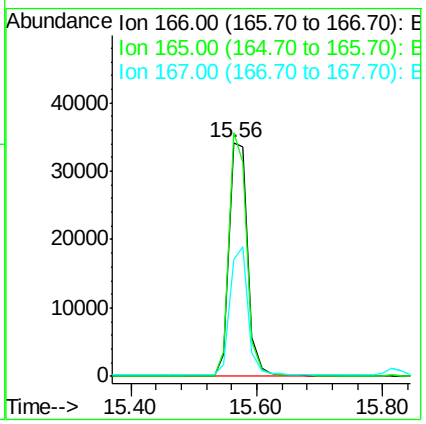


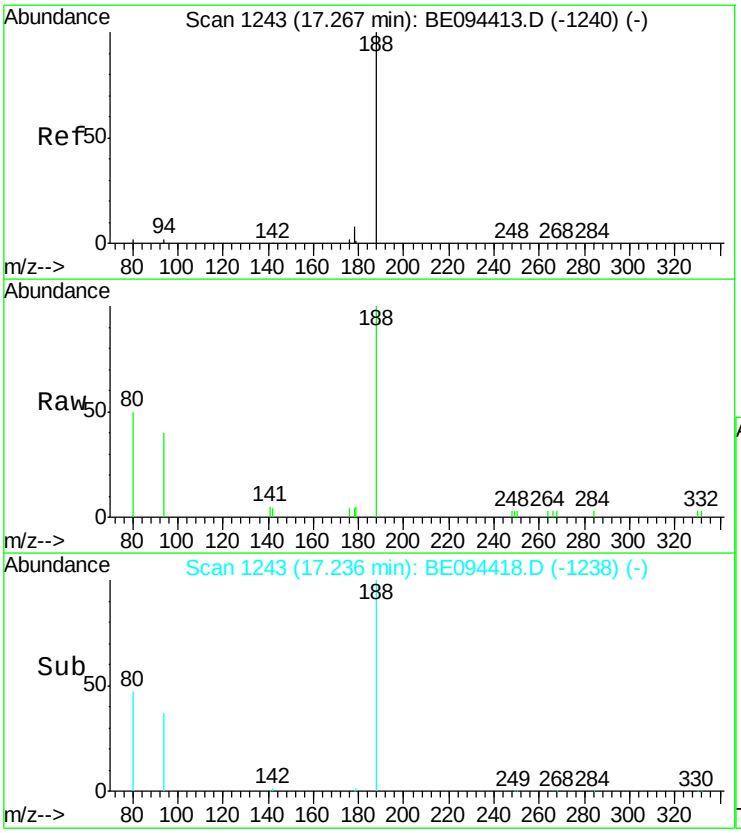
#18
Fluorene
Concen: 4.119 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

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

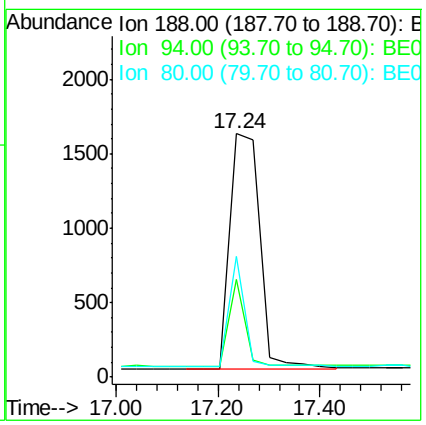


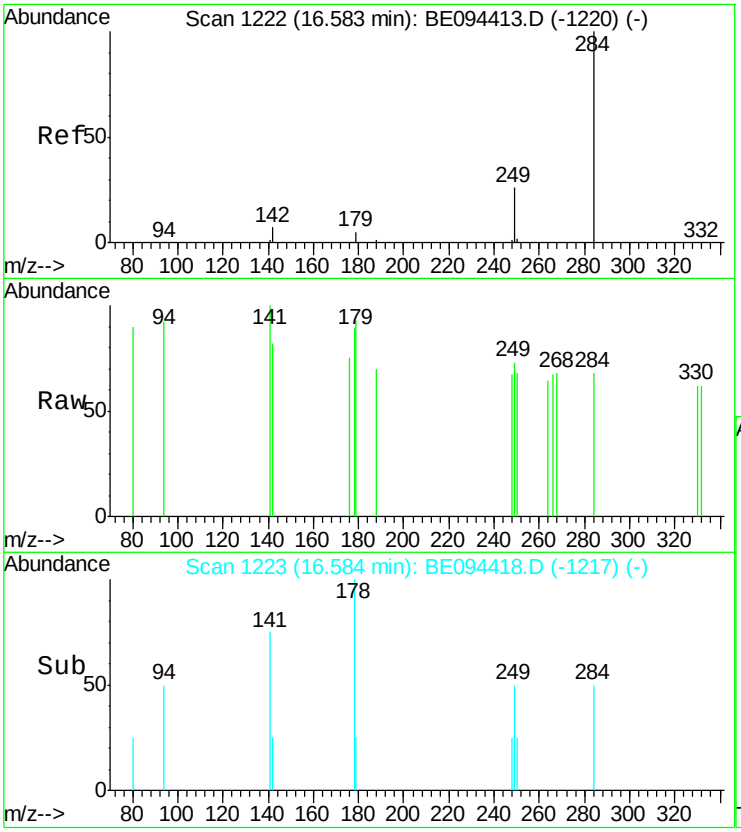


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.03 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

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#



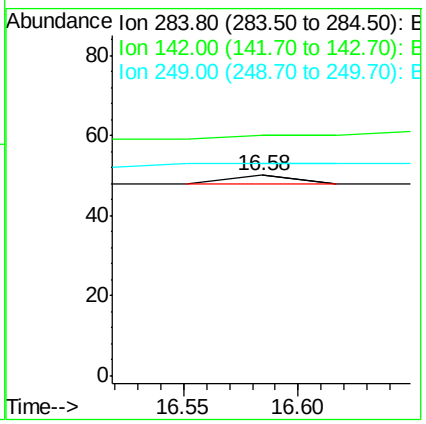


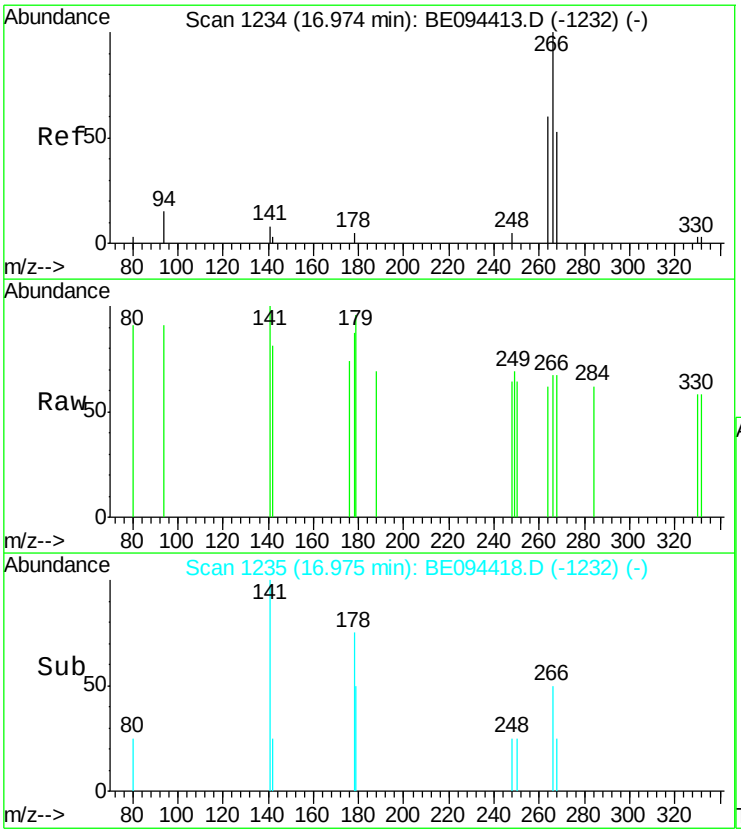
#21
Hexachlorobenzene
Concen: 0.028 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:284 Resp: 4

Ion	Ratio	Lower	Upper
284	100		
142	0.0	22.1	33.1#
249	0.0	34.8	52.2#

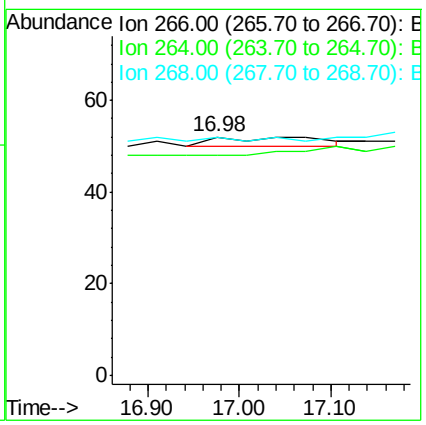


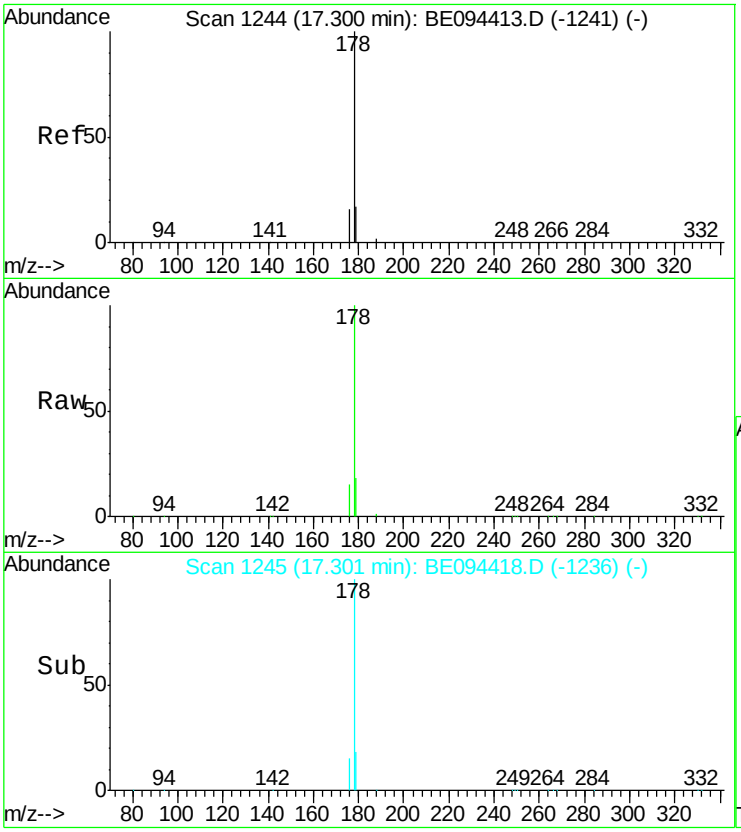


#22
Pentachlorophenol
Concen: 0.180 ng
RT: 16.98 min Scan# 1235
Delta R.T. 0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion:266 Resp: 16

Ion	Ratio	Lower	Upper
266	100		
264	92.3	72.5	108.7
268	100.0	73.8	110.6



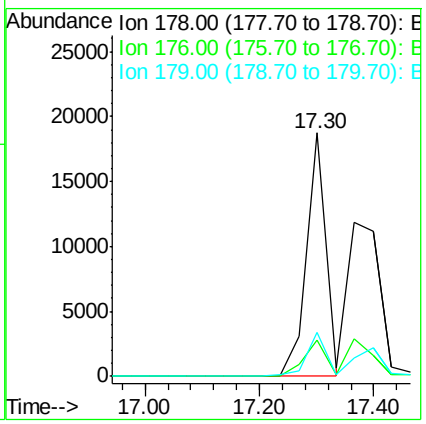


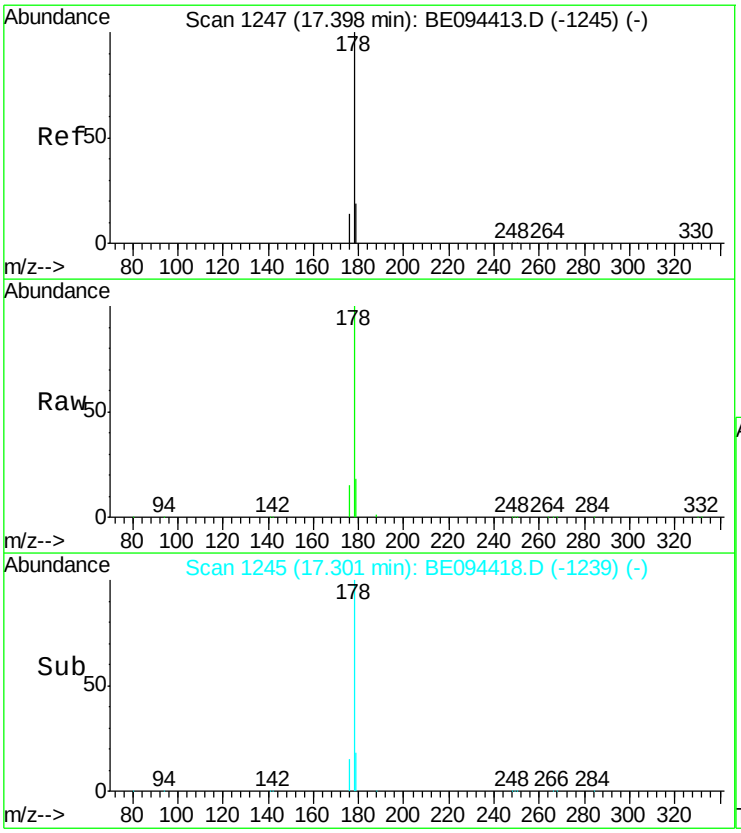
#23
Phenanthrene
Concen: 1.711 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:178 Resp: 43386

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

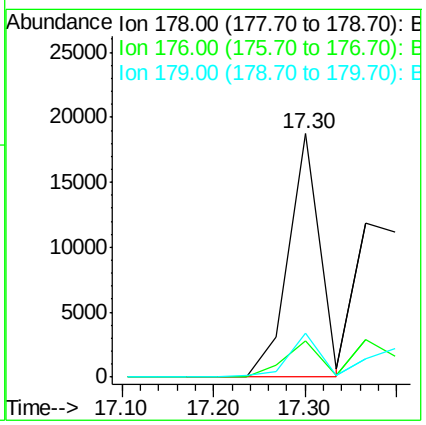


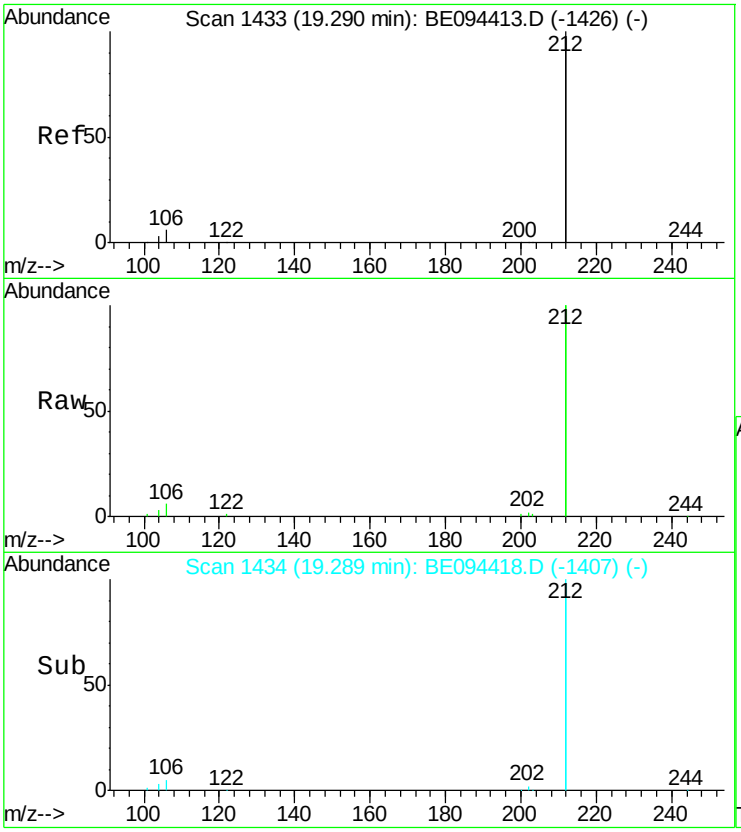


#24
Anthracene
Concen: 2.215 ng
RT: 17.30 min Scan# 1245
Delta R.T. -0.10 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion:178 Resp: 43381

Ion	Ratio	Lower	Upper
178	100		
176	16.8	12.8	19.2
179	23.1	13.0	19.6#



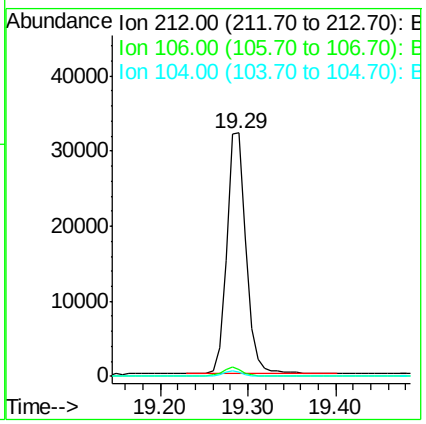


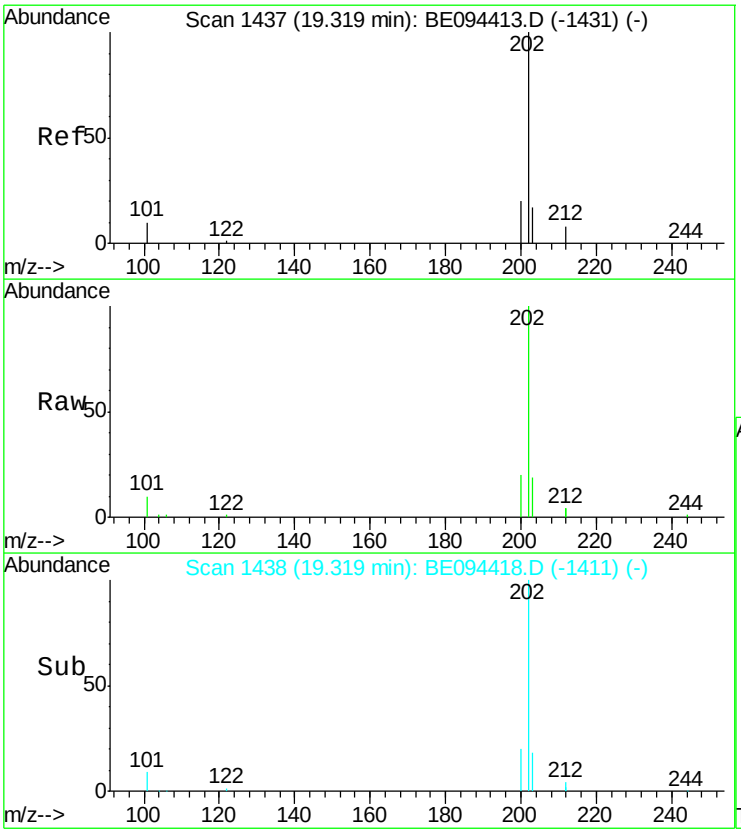
#25
Fluoranthene-d10
Concen: 0.479 ng
RT: 19.29 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

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

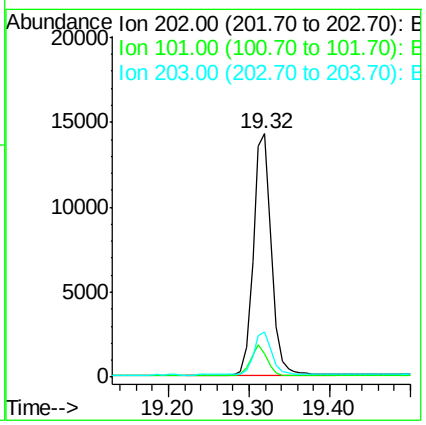


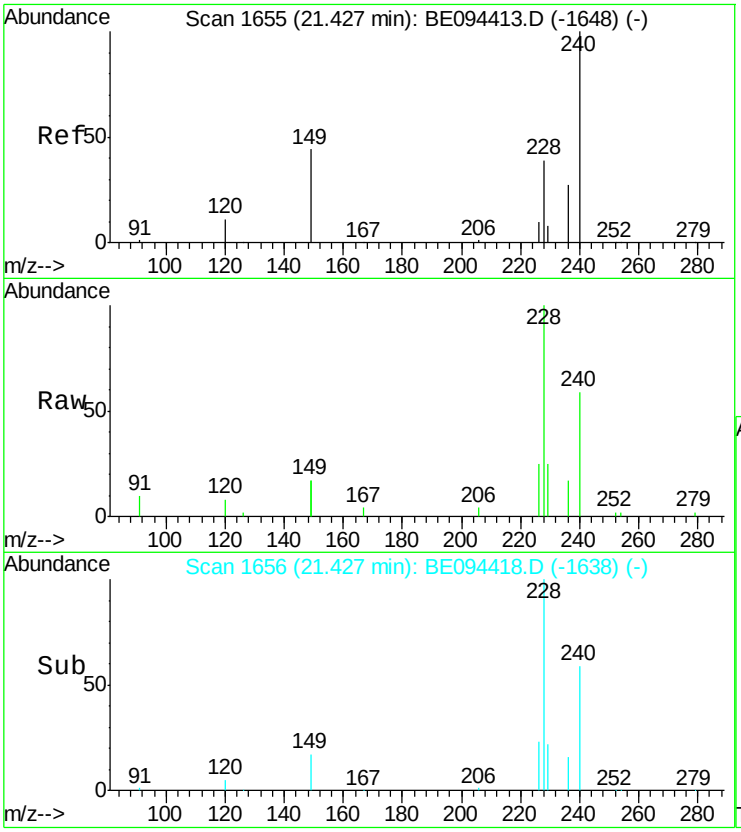


#26
Fluoranthene
Concen: 0.694 ng
RT: 19.32 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

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



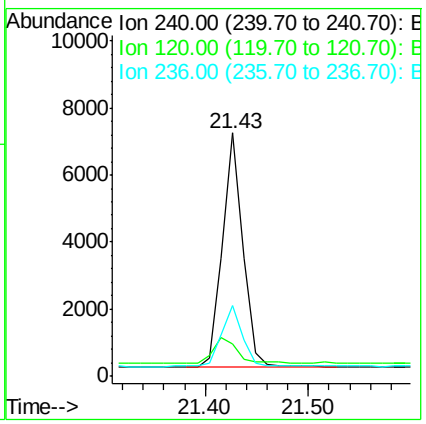


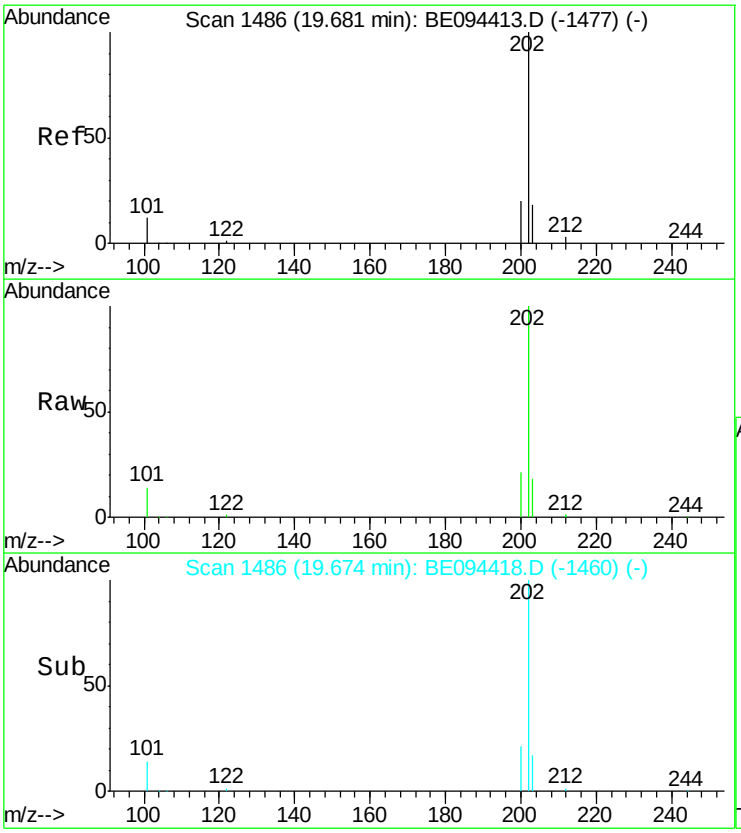
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:240 Resp: 9627

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

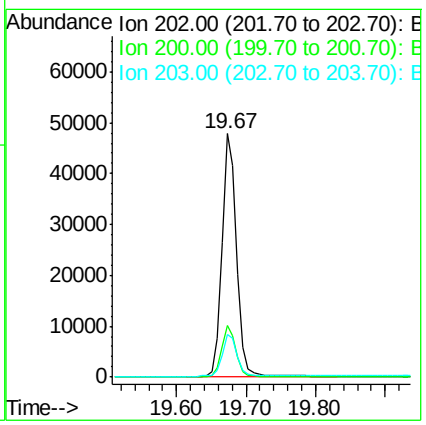


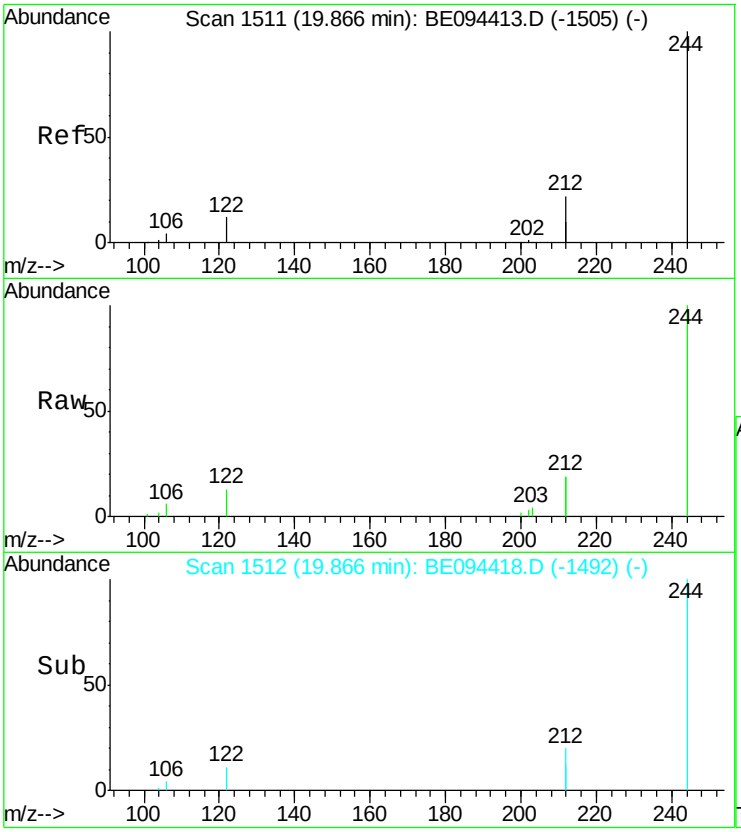


#28
Pyrene
Concen: 1.882 ng
RT: 19.67 min Scan# 1486
Delta R.T. -0.01 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion:202 Resp: 68357

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



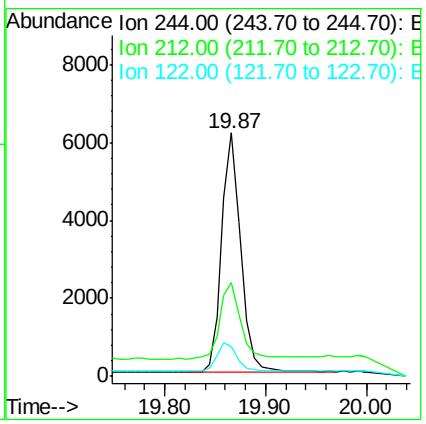


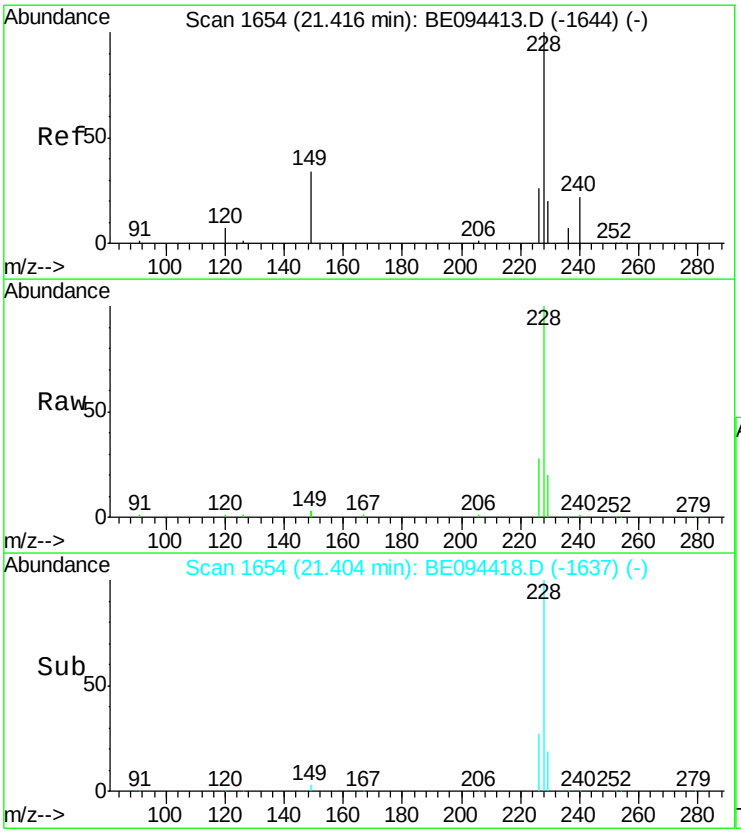
#29
Terphenyl-d14
Concen: 0.422 ng
RT: 19.87 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:244 Resp: 8191

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

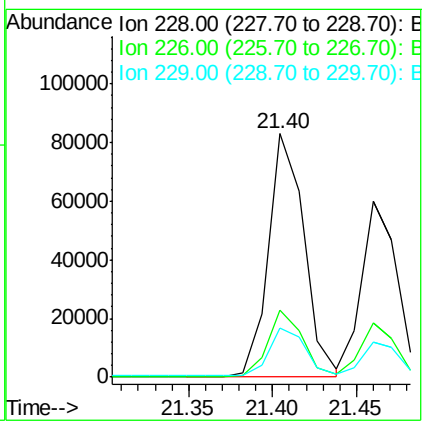


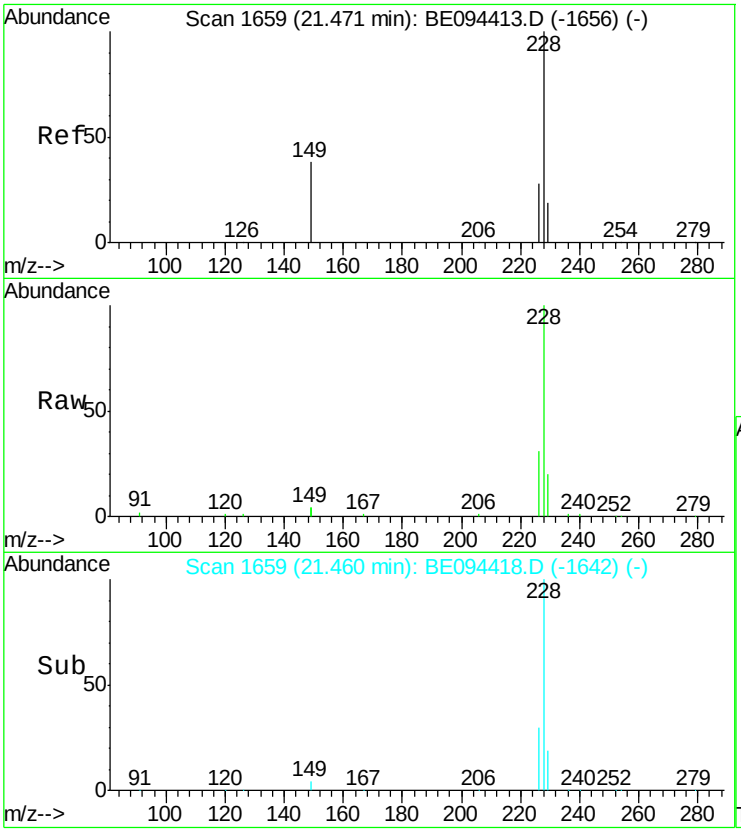


#30
Benzo(a)anthracene
Concen: 3.643 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion:228 Resp: 121298

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



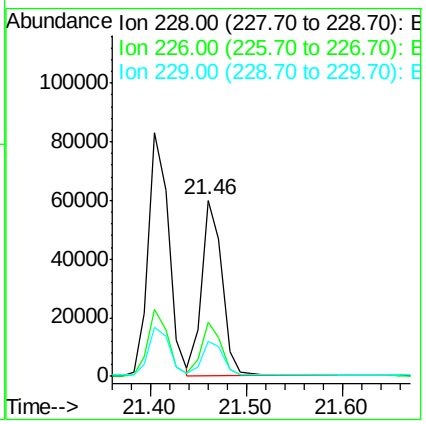


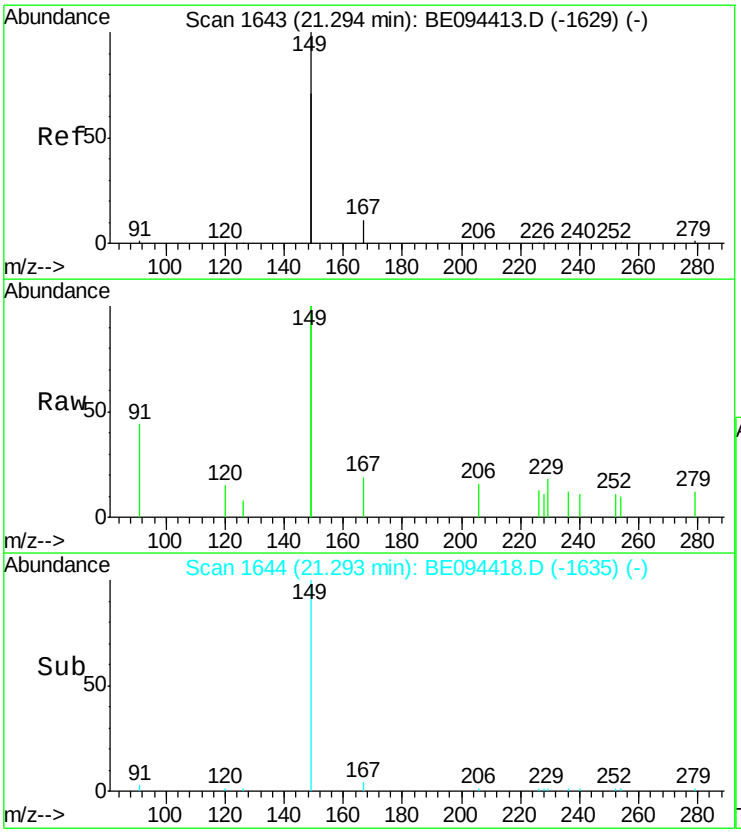
#31
Chrysene
Concen: 2.757 ng
RT: 21.46 min Scan# 1659
Delta R.T. -0.01 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
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#

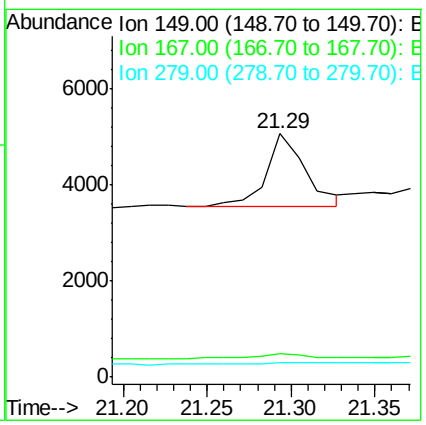


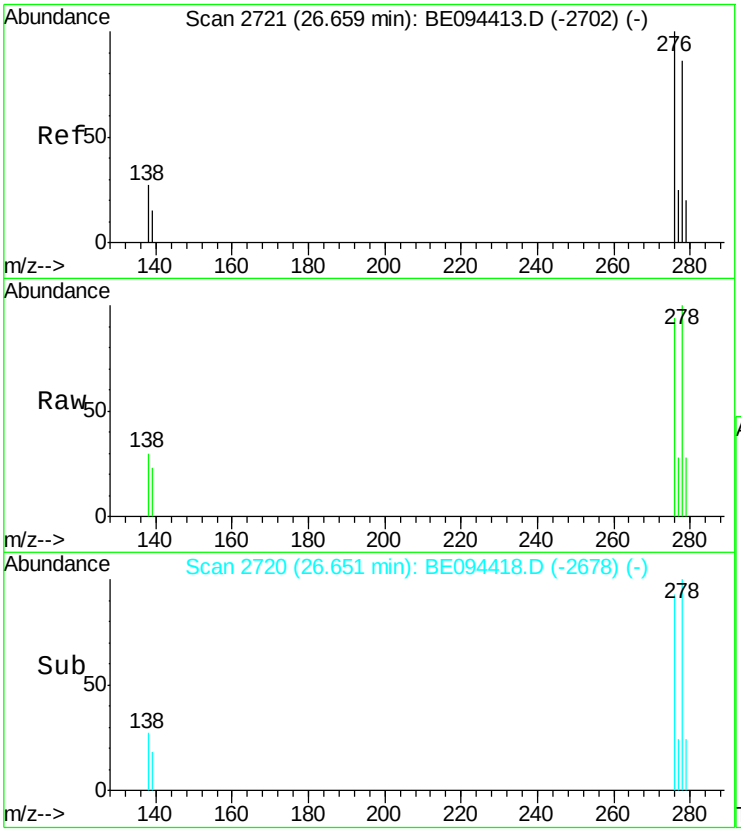


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.026 ng
RT: 21.29 min Scan# 1644
Delta R.T. 0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion:149 Resp: 2497

Ion	Ratio	Lower	Upper
149	100		
167	8.9	5.4	8.0#
279	0.0	0.7	1.1#



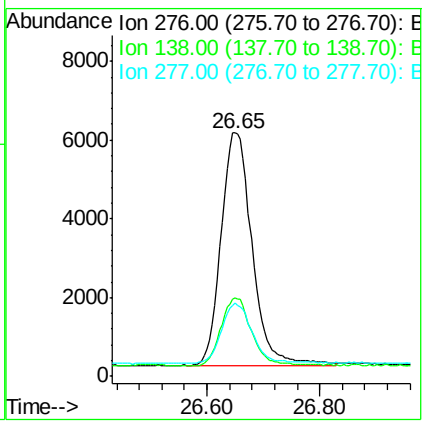


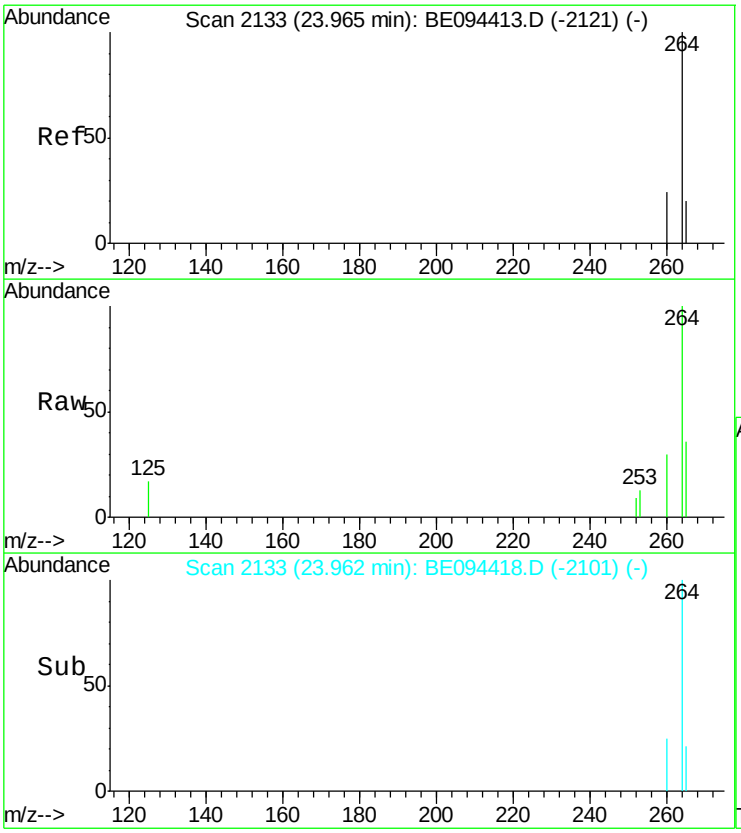
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.693 ng
RT: 26.65 min Scan# 2720
Delta R.T. -0.01 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

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

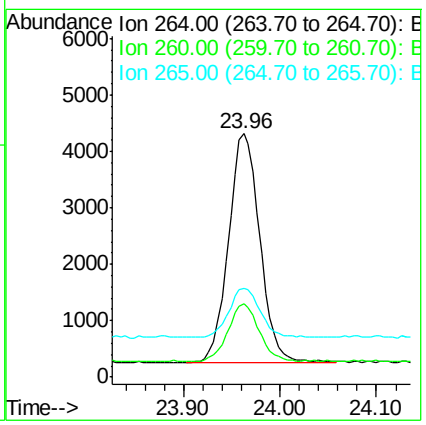


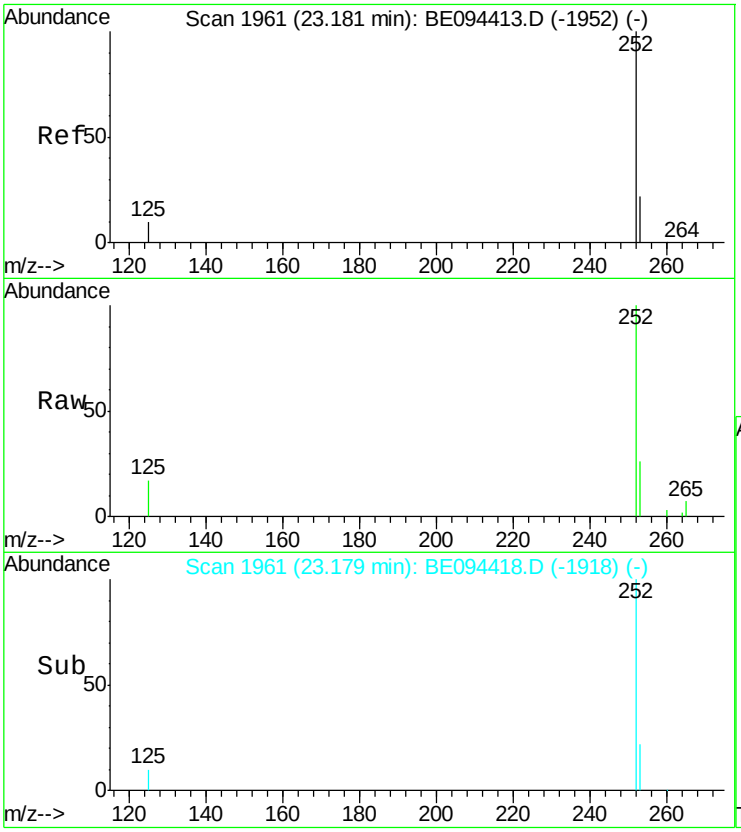


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2133
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion:264 Resp: 9232

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



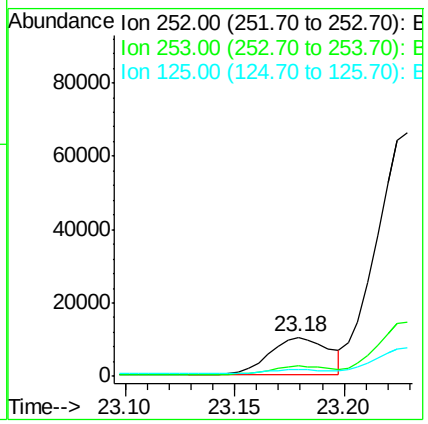


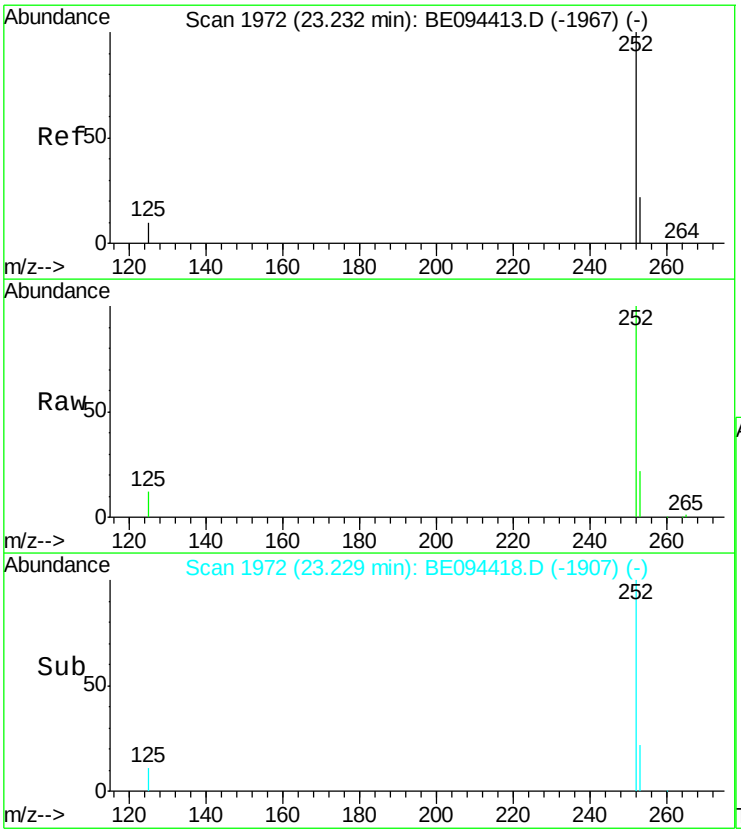
#35
Benzo(b)fluoranthene
Concen: 0.624 ng
RT: 23.18 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:252 Resp: 19535

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

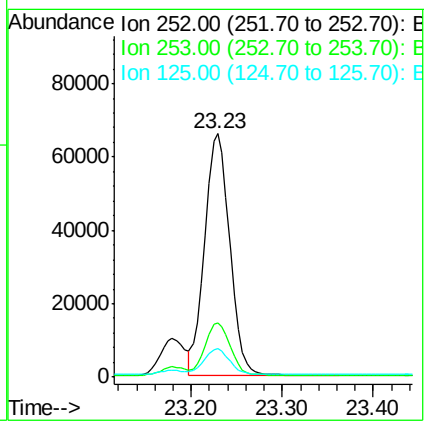


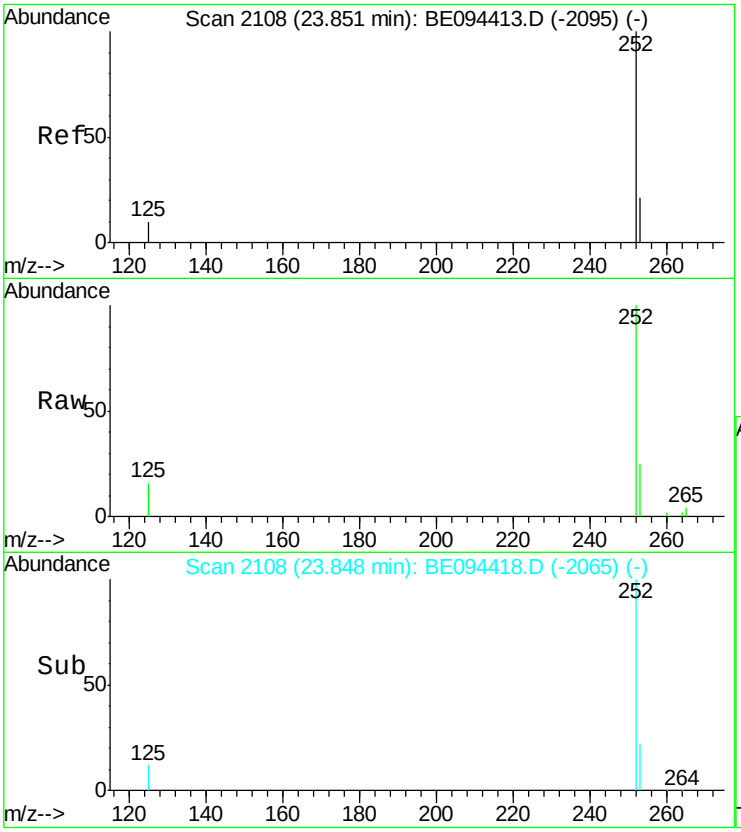


#36
Benzo(k)fluoranthene
Concen: 4.100 ng
RT: 23.23 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion:252 Resp: 126496

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



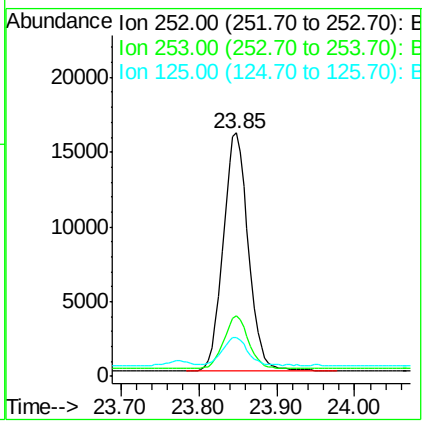


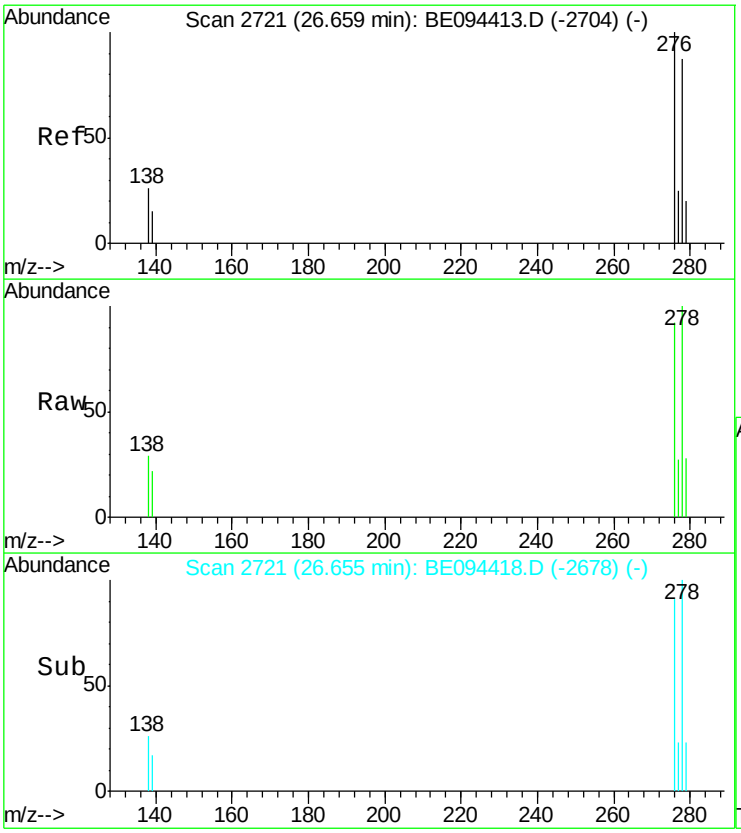
#37
Benzo(a)pyrene
Concen: 1.206 ng
RT: 23.85 min Scan# 2108
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:252 Resp: 35507

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

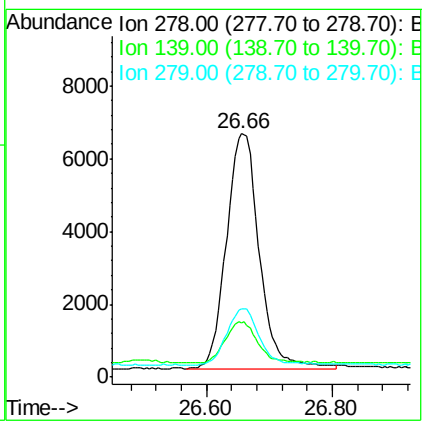


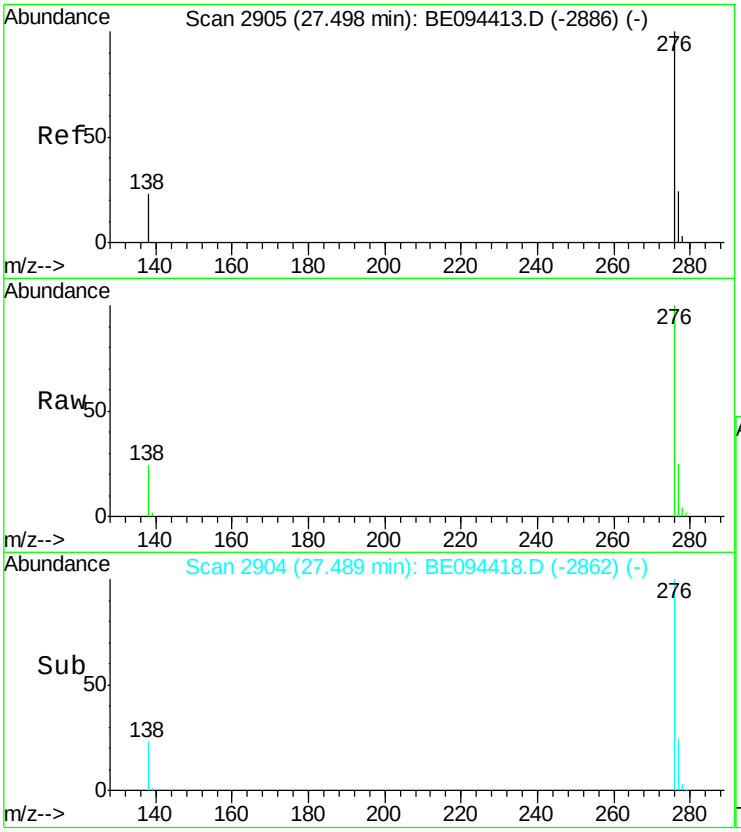


#38
Dibenzo(a,h)anthracene
Concen: 0.836 ng
RT: 26.66 min Scan# 2721
Delta R.T. -0.00 min
Lab File: BE094418.D
Acq: 16 Oct 2017 15:29

Tgt Ion:278 Resp: 23298

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





#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

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WP

Tgt Ion:276 Resp: 89241

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