Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE032318\
Data File : BE095823.D
Acq On : 23 Mar 2018 14:05
Operator : SJ/JU
Sample : J1888-21DL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : RR-PAH-WPDL

Quant Time: Mar 23 23:48:03 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 12:41:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	1026	0.40	ng		0.00
7) Naphthalene-d8	11.26	136	3955	0.40	ng		0.00
13) Acenaphthene-d10	15.00	164	2349	0.40	ng		0.00
19) Phenanthrene-d10	17.71	188	6017	0.40	ng		0.00
27) Chrysene-d12	21.80	240	7519	0.40	ng		0.00
34) Perylene-d12	24.43	264	7282	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.91	112	144	0.04	ng		0.00
5) Phenol-d6	7.57	99	183	0.04	ng		0.00
8) Nitrobenzene-d5	9.59	82	221	0.05	ng		0.00
11) 2-Methylnaphthalene-d10	12.80	152	242	0.04	ng		0.00
14) 2,4,6-Tribromophenol	16.47	330	52	0.04	ng		0.00
15) 2-Fluorobiphenyl	13.64	172	462	0.05	ng		0.00
25) Fluoranthene-d10	19.69	212	3576	0.04	ng		0.00
29) Terphenyl-d14	20.24	244	878	0.05	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	11.31	128	17718	0.392	ng		100
16) Acenaphthylene	14.73	152	22398	1.667	ng		99
17) Acenaphthene	15.06	154	12689	1.549	ng		95
18) Fluorene	16.03	166	6514	0.604	ng	#	78
23) Phenanthrene	17.74	178	7109	0.395	ng		99
24) Anthracene	17.84	178	2738	0.152	ng		96
26) Fluoranthene	19.72	202	6492	0.259	ng	#	97
28) Pyrene	20.06	202	8224	0.269	ng	#	88
30) Benzo(a)anthracene	21.78	228	7344	0.282	ng		98
31) Chrysene	21.84	228	8183	0.344	ng		97
33) Indeno(1,2,3-cd)pyrene	27.25	276	10549	0.411	ng	#	92
35) Benzo(b)fluoranthene	23.61	252	5206	0.216	ng		96
36) Benzo(k)fluoranthene	23.67	252	4161	0.173	ng	#	78
37) Benzo(a)pyrene	24.31	252	9468	0.419	ng	#	91
38) Dibenzo(a,h)anthracene	27.26	278	5704	0.266	ng		92
39) Benzo(g,h,i)perylene	28.11	276	7423	0.344	ng	#	93

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

Quantitation Report (QT Reviewed)

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Acq On : 23 Mar 2018 14:05
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Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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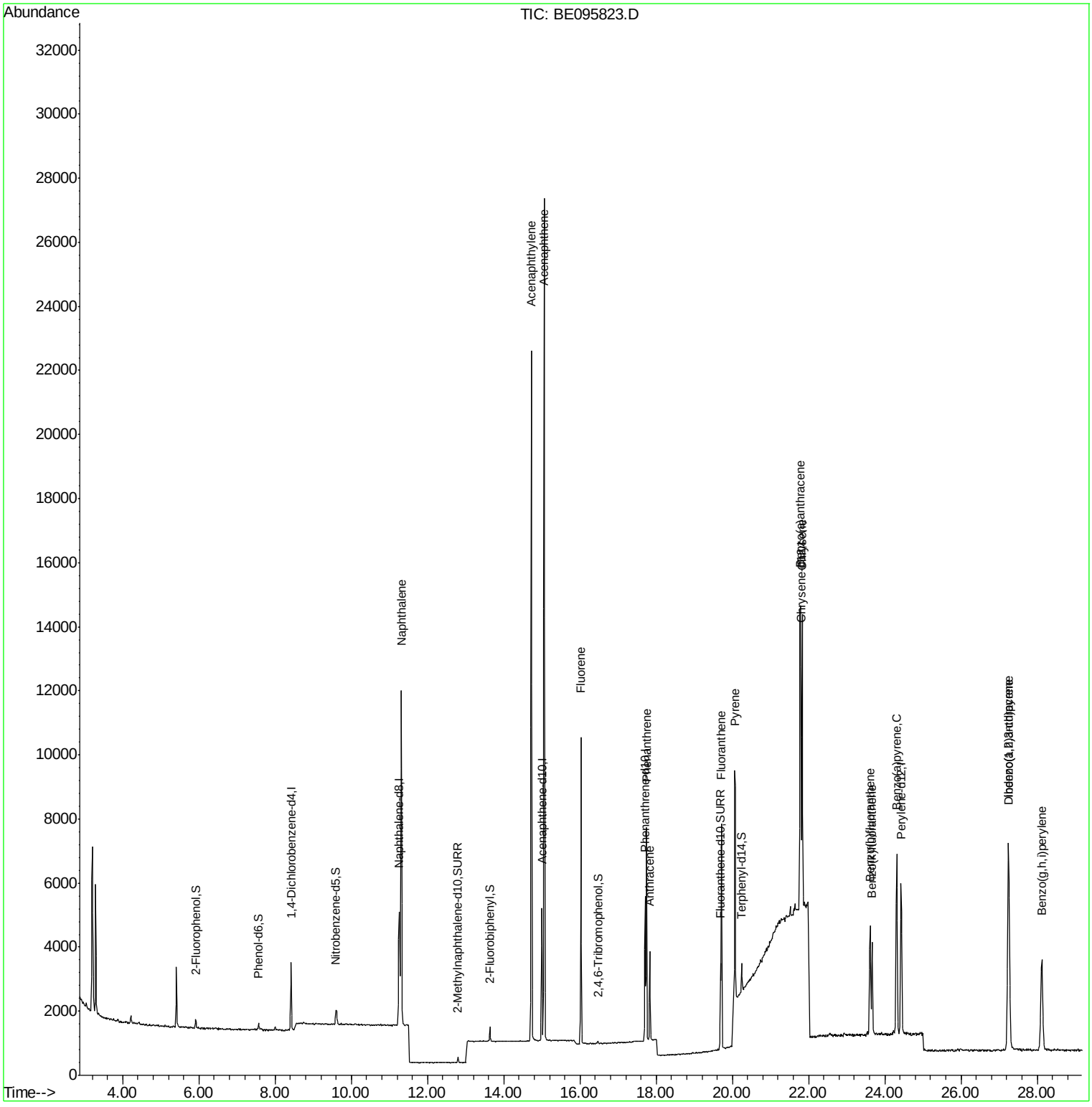
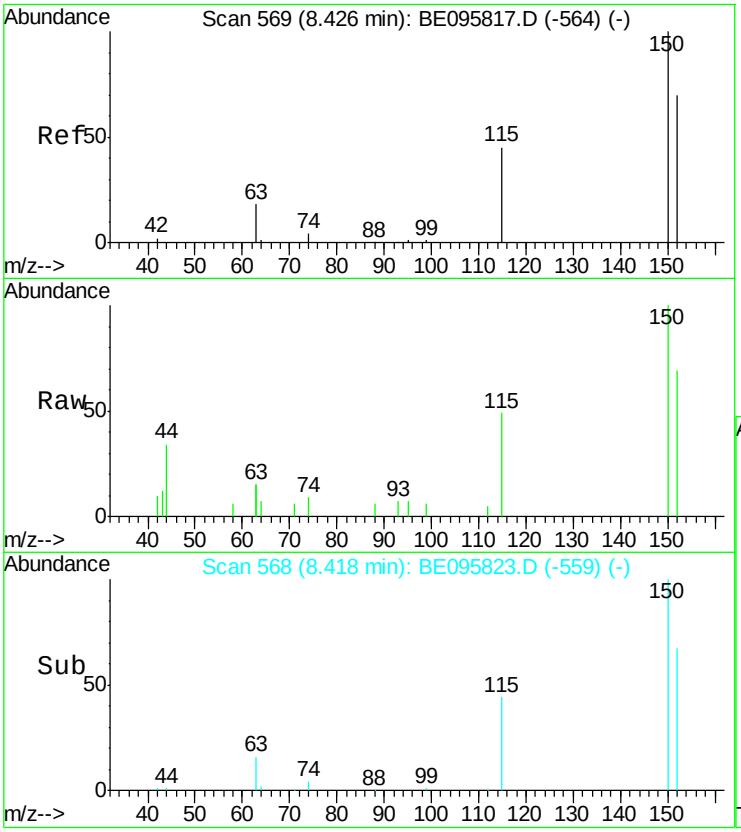


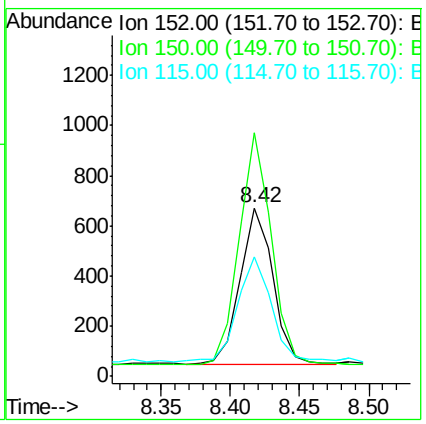


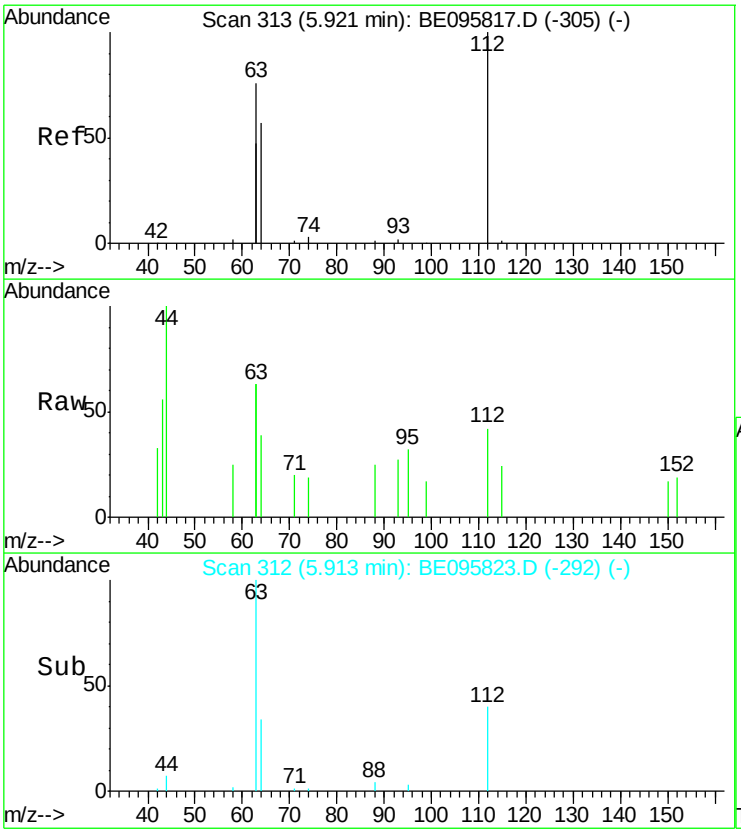
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.42 min Scan# 568
Delta R.T. -0.01 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:152 Resp: 1026

Ion	Ratio	Lower	Upper
152	100		
150	144.7	117.2	175.8
115	70.6	57.0	85.6

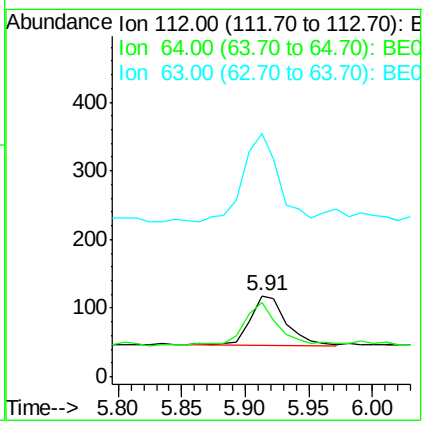


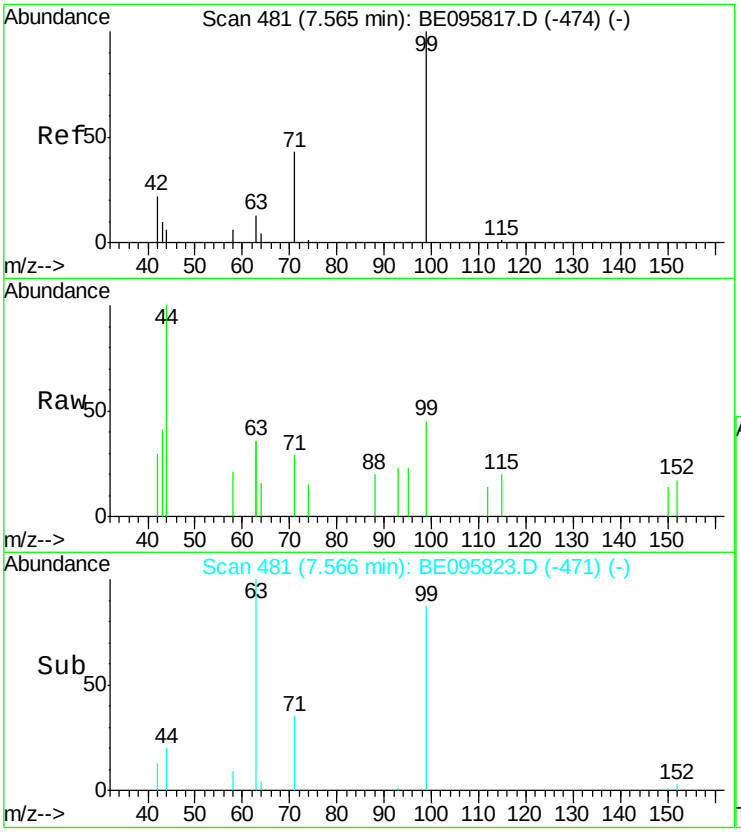


#4
2-Fluorophenol
Concen: 0.043 ng
RT: 5.91 min Scan# 312
Delta R.T. -0.01 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:112 Resp: 144

Ion	Ratio	Lower	Upper
112	100		
64	77.1	60.1	90.1
63	173.6	116.8	175.2



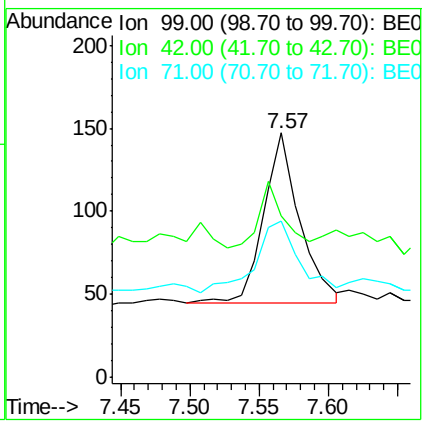


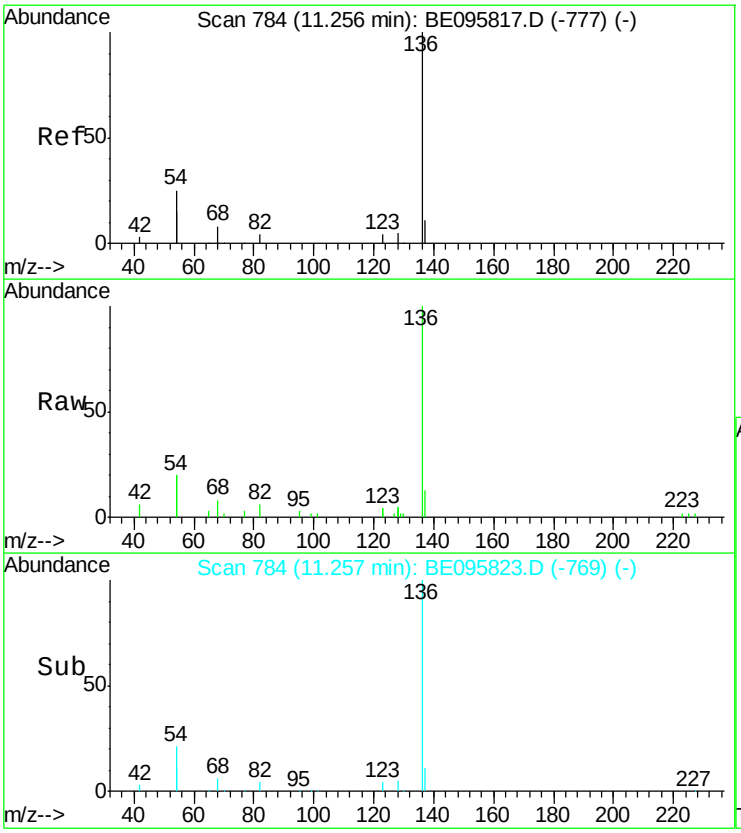
#5
Phenol-d6
Concen: 0.039 ng
RT: 7.57 min Scan# 481
Delta R.T. 0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion: 99 Resp: 183

Ion	Ratio	Lower	Upper
99	100		
42	26.8	20.2	30.2
71	50.8	28.4	42.6#

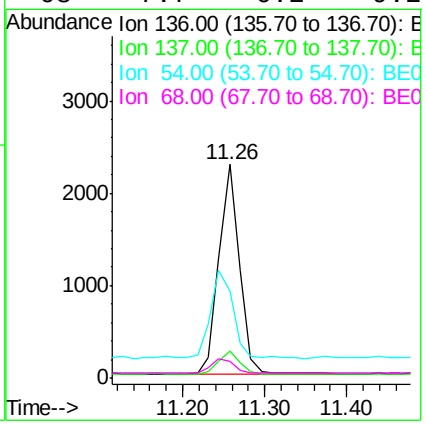


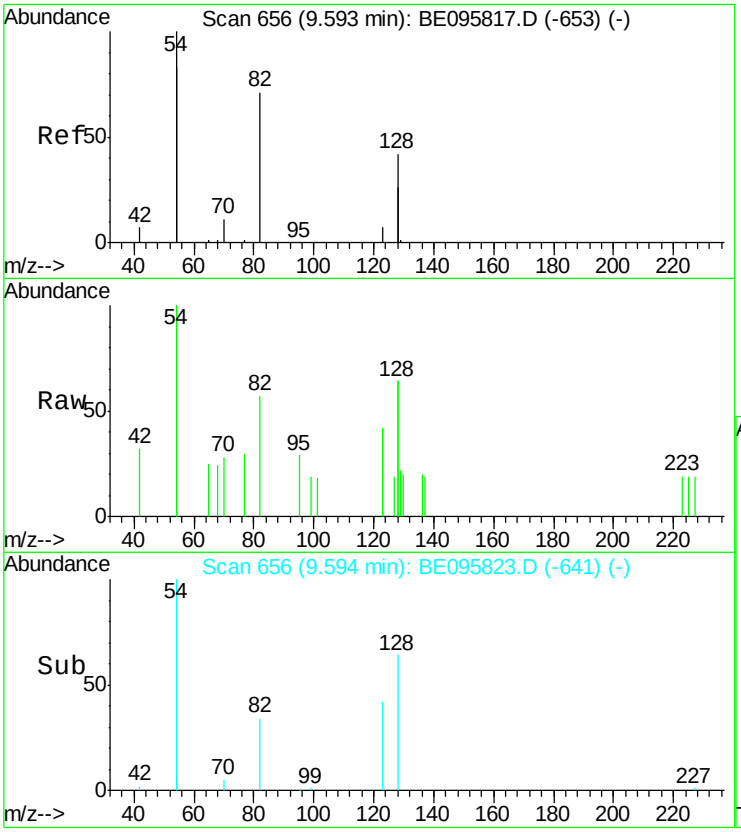


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.26 min Scan# 784
Delta R.T. 0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:136 Resp: 3955

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.5	14.3
54	40.8	29.1	43.7
68	7.7	6.2	9.2



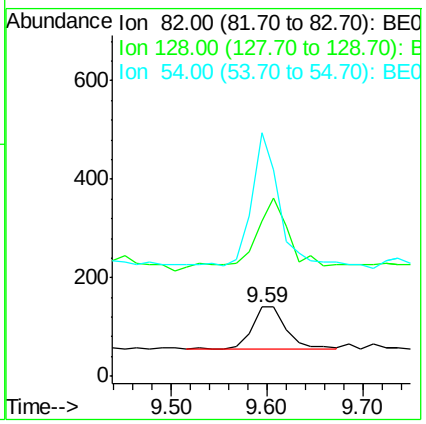


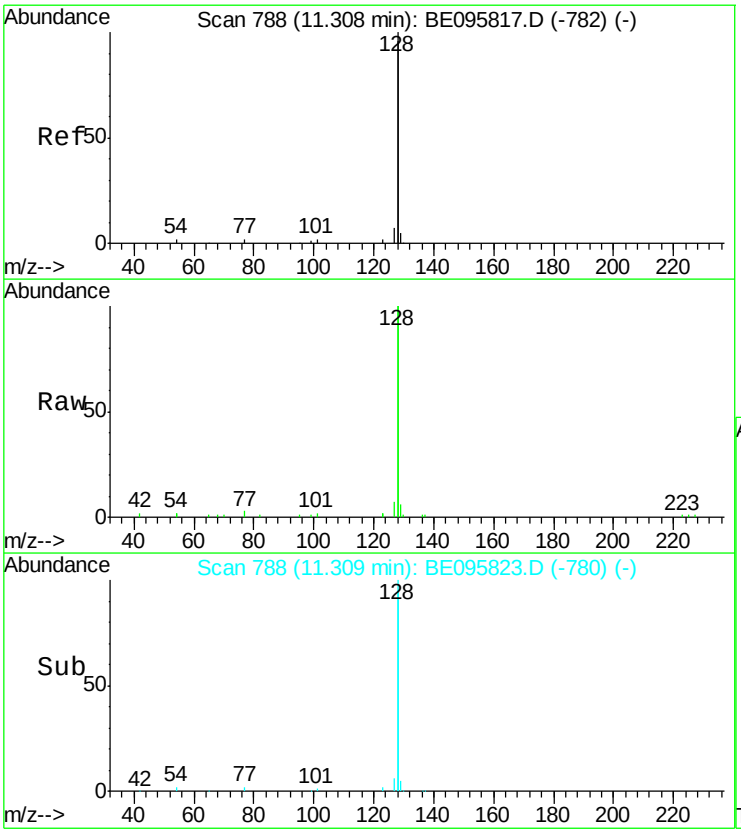
#8
Nitrobenzene-d5
Concen: 0.047 ng
RT: 9.59 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion: 82 Resp: 221

Ion	Ratio	Lower	Upper
82	100		
128	224.3	150.0	225.0
54	352.9	154.2	231.4#

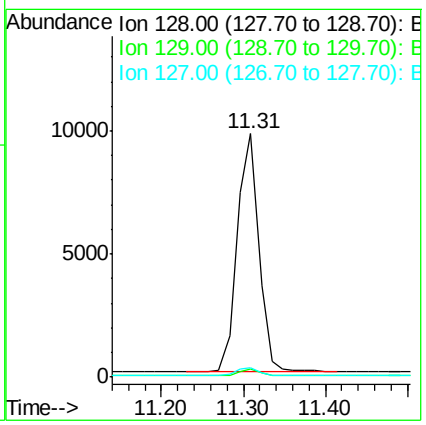


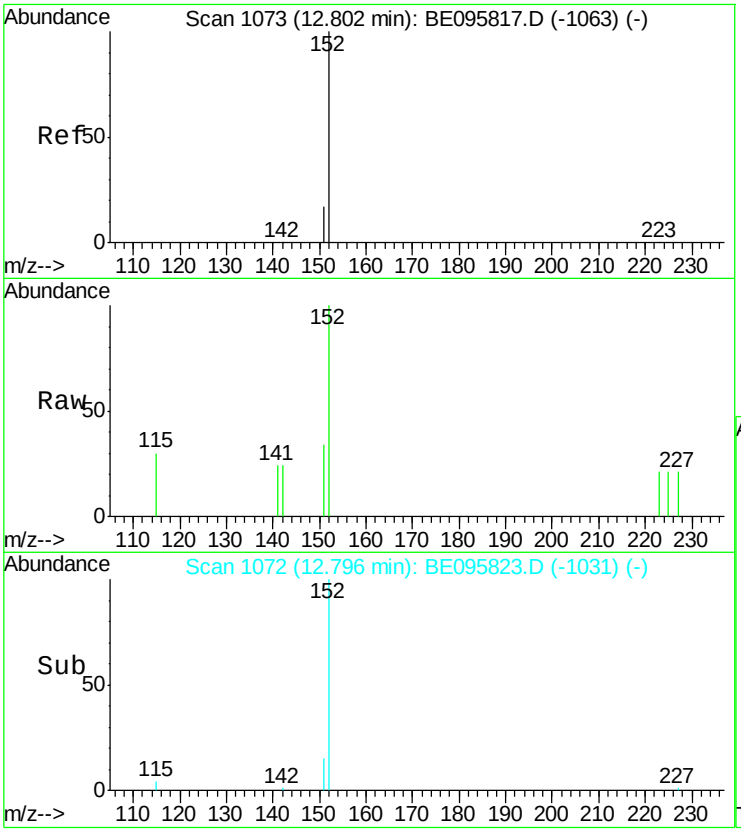


#9
Naphthalene
Concen: 0.392 ng
RT: 11.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:128 Resp: 17718

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.7	2.8	4.2



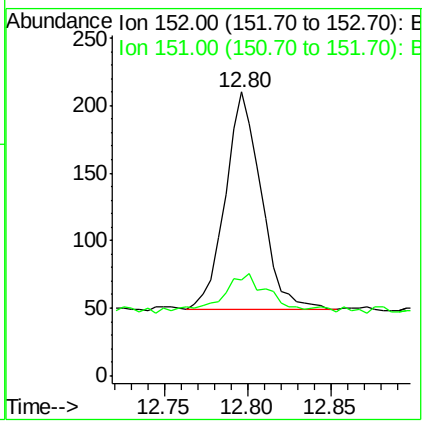


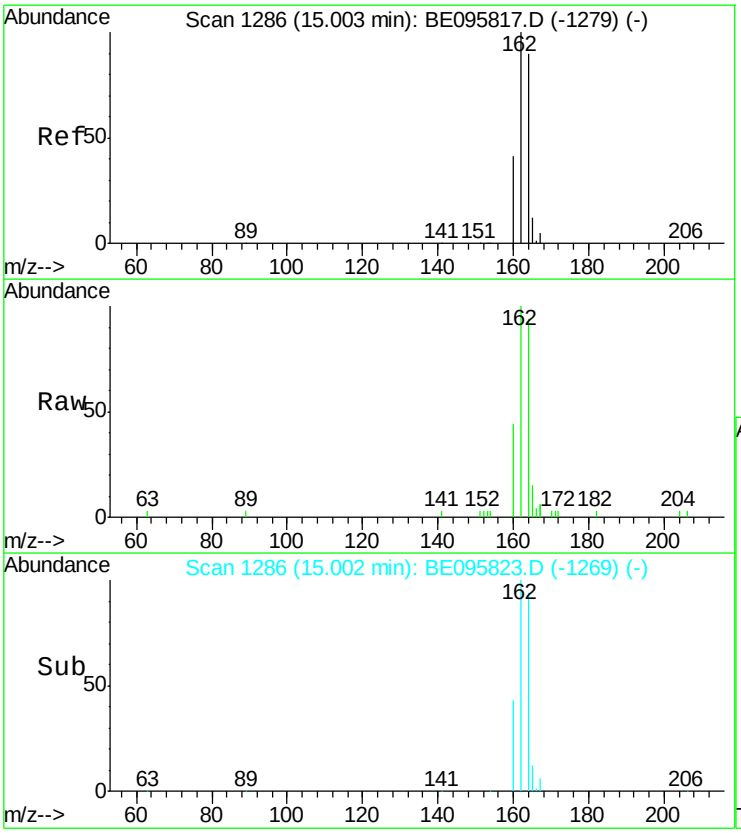
#11
2-Methylnaphthalene-d10
Concen: 0.037 ng
RT: 12.80 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:152 Resp: 242

Ion	Ratio	Lower	Upper
152	100		
151	24.4	15.4	23.0#

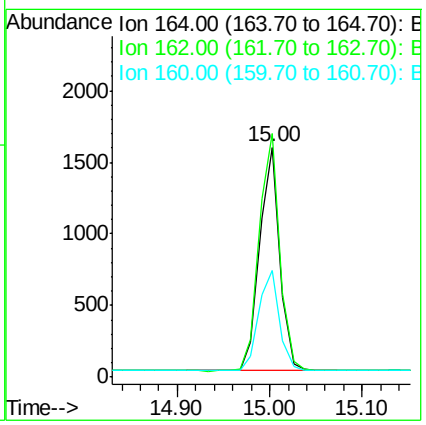


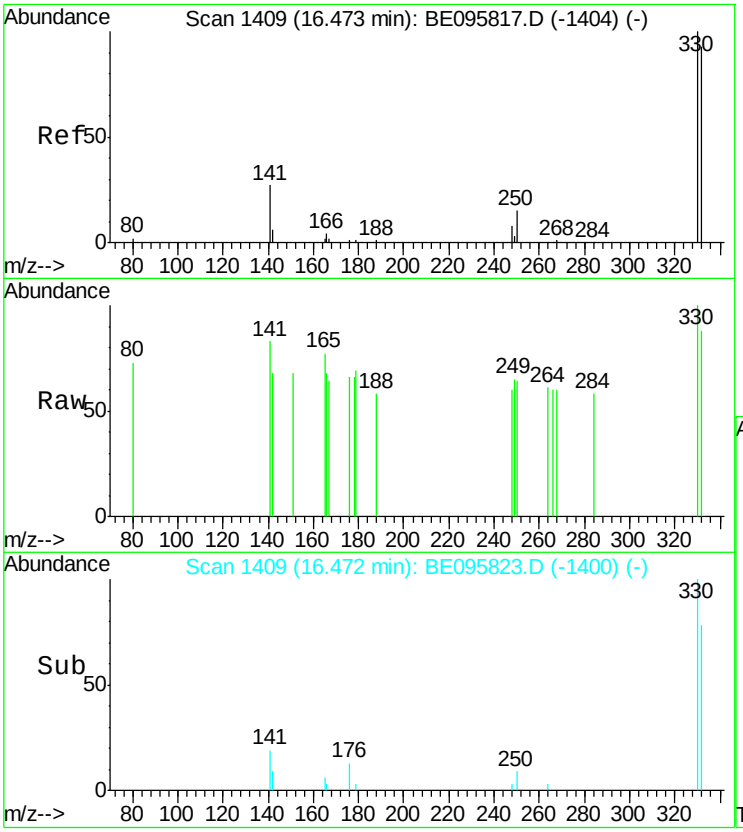


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.00 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:164 Resp: 2349

Ion	Ratio	Lower	Upper
164	100		
162	105.8	83.1	124.7
160	46.6	37.1	55.7



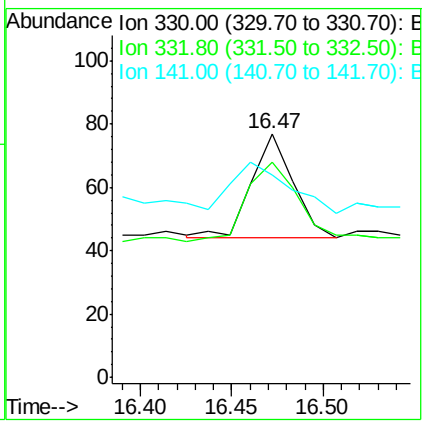


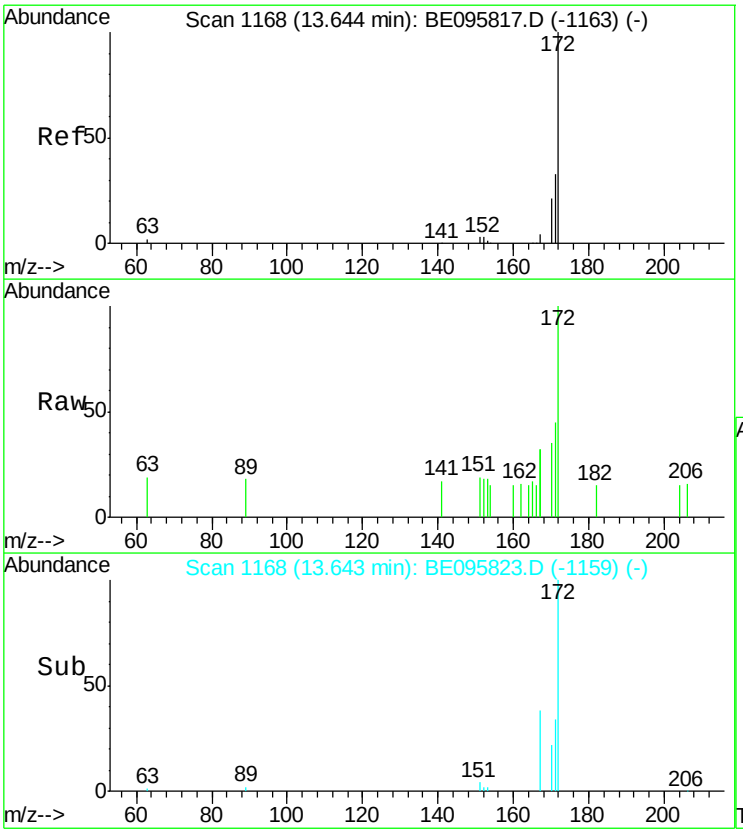
#14
2,4,6-Tribromophenol
Concen: 0.038 ng
RT: 16.47 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:330 Resp: 52

Ion	Ratio	Lower	Upper
330	100		
332	98.1	152.7	229.1#
141	65.4	33.7	50.5#

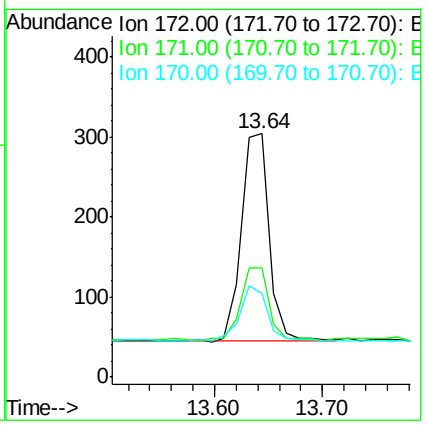


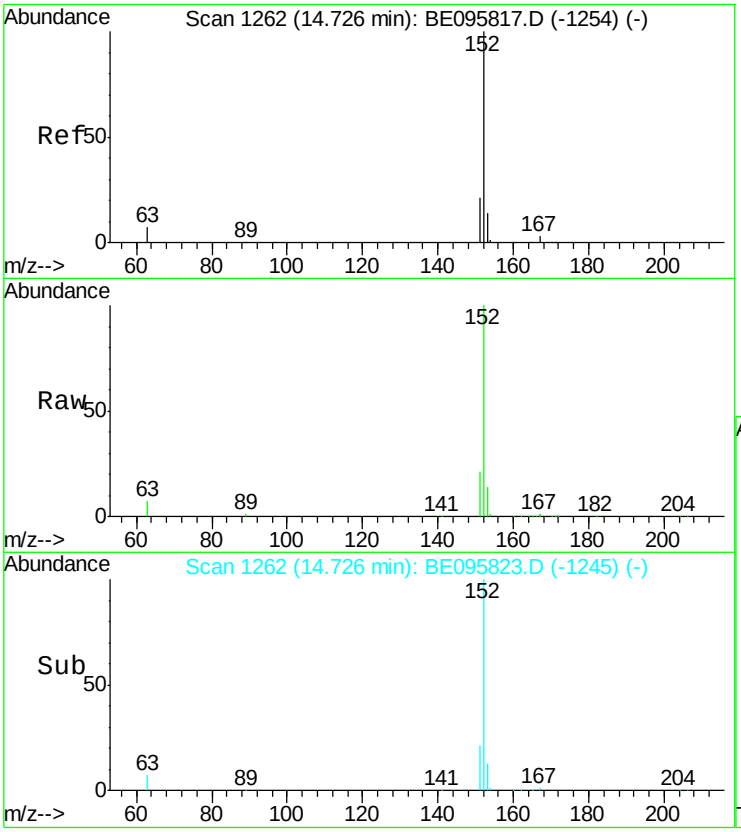


#15
2-Fluorobiphenyl
Concen: 0.047 ng
RT: 13.64 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:172 Resp: 462

Ion	Ratio	Lower	Upper
172	100		
171	44.7	29.9	44.9
170	34.5	21.8	32.8#



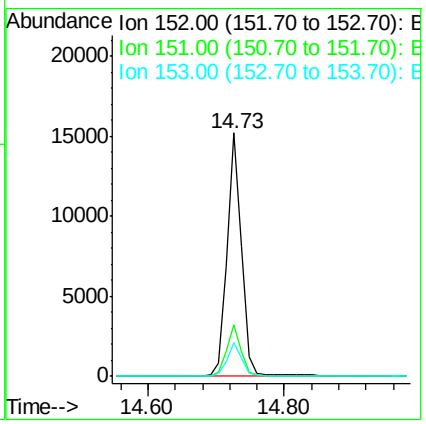


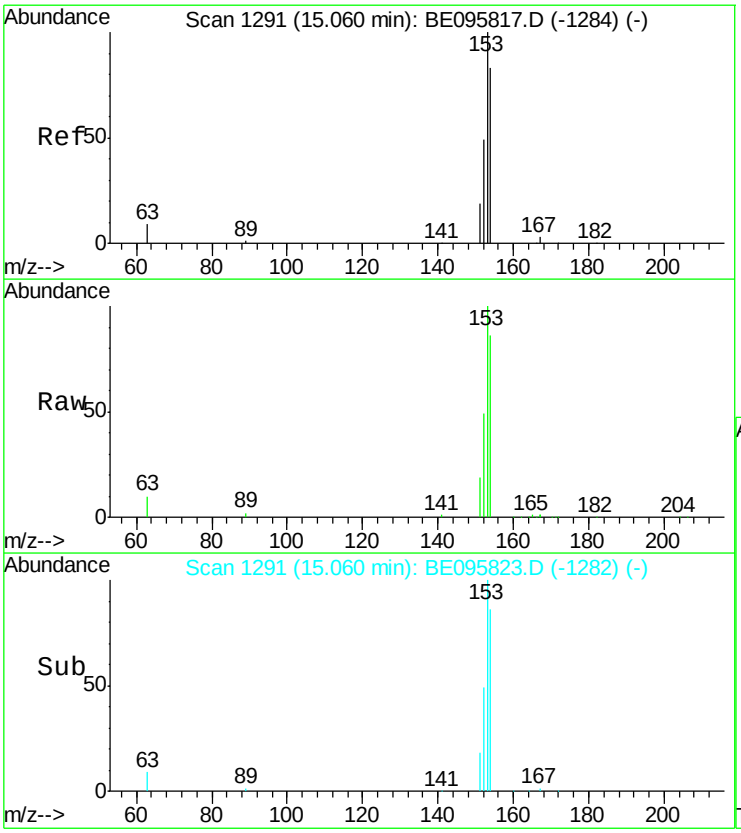
#16
Acenaphthylene
Concen: 1.667 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:152 Resp: 22398

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	13.2	10.5	15.7

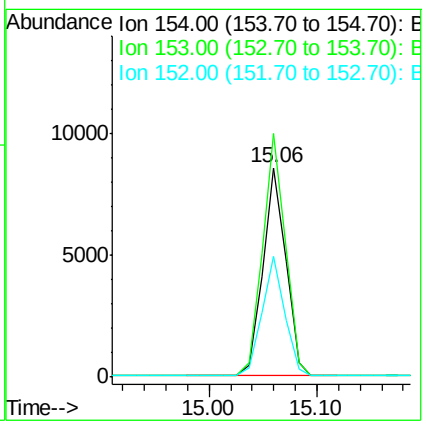


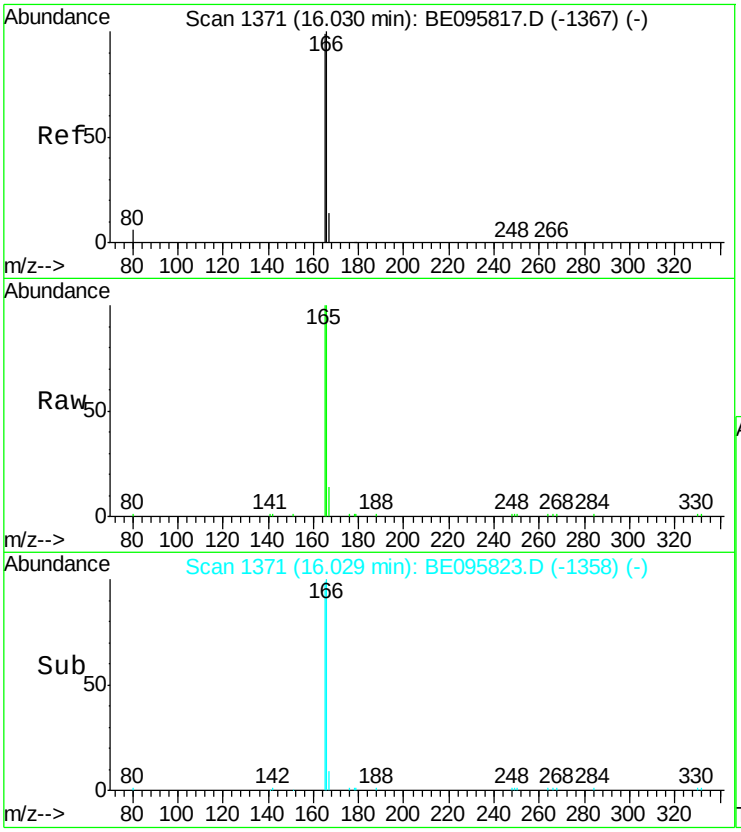


#17
Acenaphthene
Concen: 1.549 ng
RT: 15.06 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:154 Resp: 12689

Ion	Ratio	Lower	Upper
154	100		
153	116.3	89.2	133.8
152	56.6	42.0	63.0



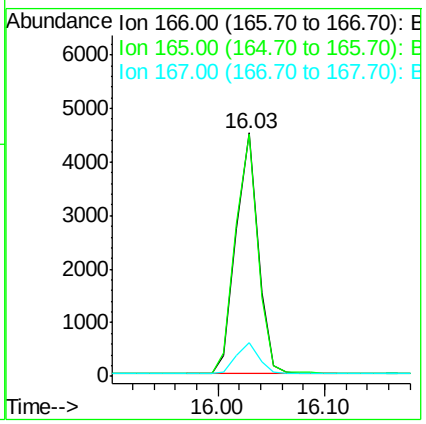


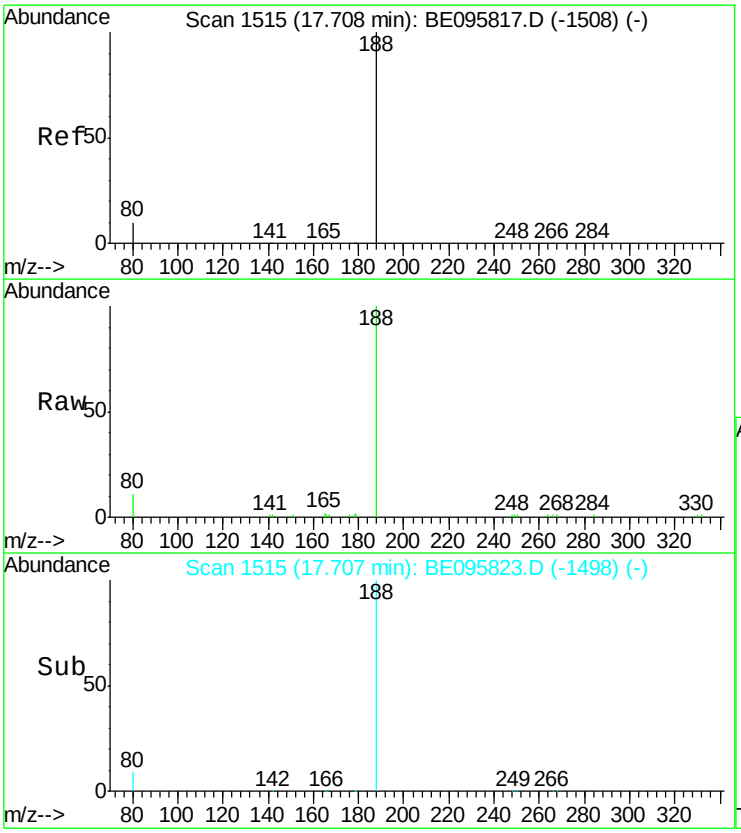
#18
Fluorene
Concen: 0.604 ng
RT: 16.03 min Scan# 1371
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:166 Resp: 6514

Ion	Ratio	Lower	Upper
166	100		
165	100.6	77.8	116.6
167	13.1	42.4	63.6#

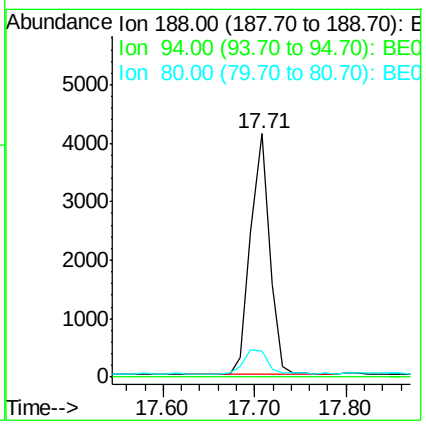


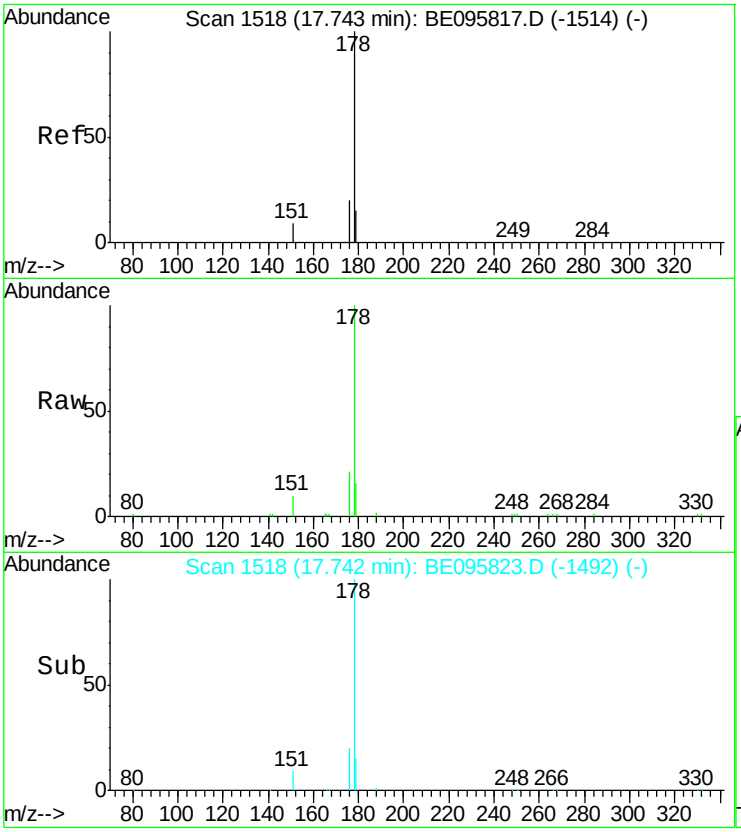


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1515
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:188 Resp: 6017

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	10.5	3.6	5.4#



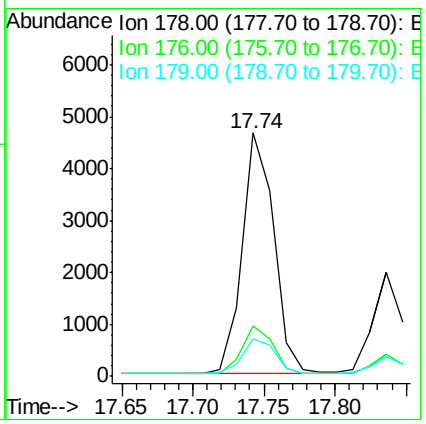


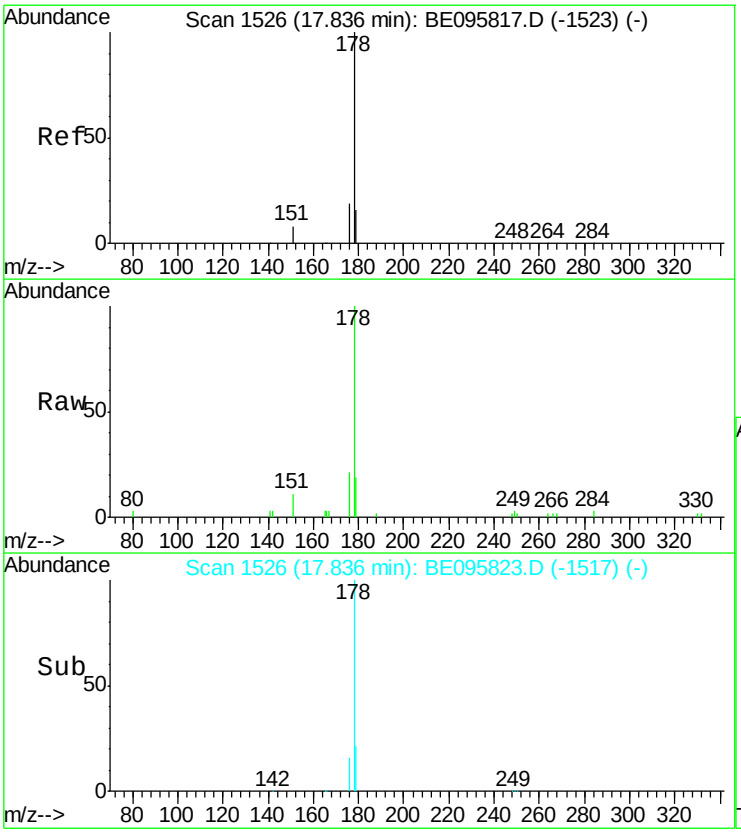
#23
Phenanthrene
Concen: 0.395 ng
RT: 17.74 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:178 Resp: 7109

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	14.7	11.8	17.6

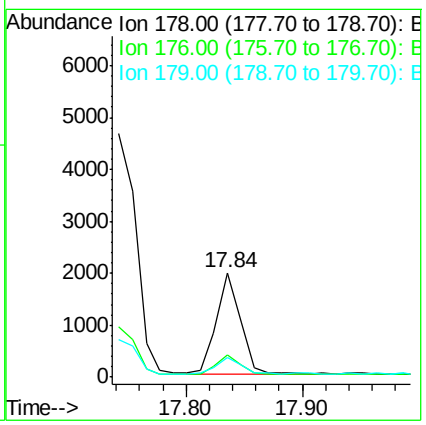


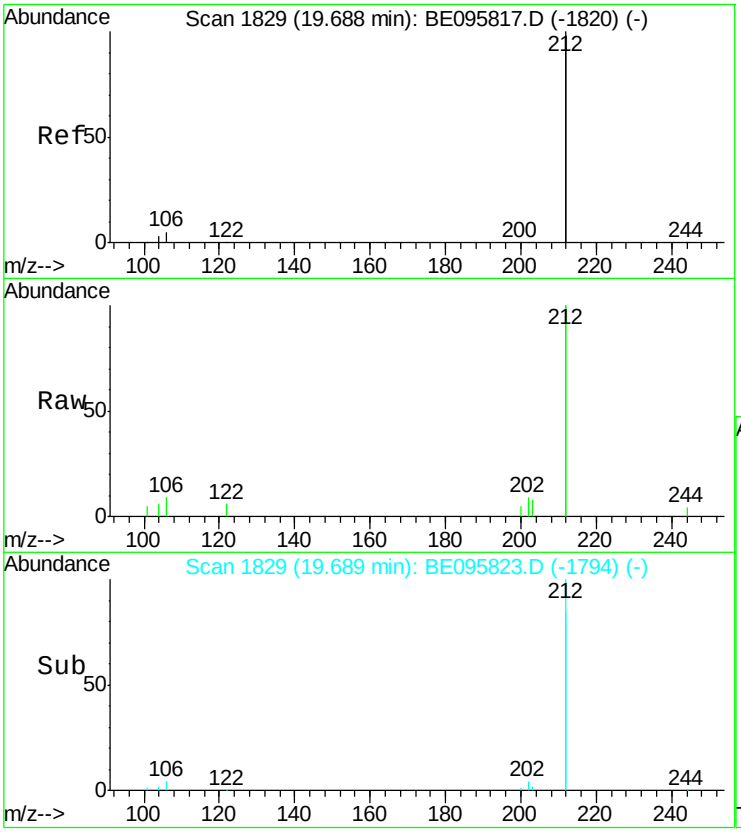


#24
Anthracene
Concen: 0.152 ng
RT: 17.84 min Scan# 1526
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:178 Resp: 2738

Ion	Ratio	Lower	Upper
178	100		
176	18.8	12.8	19.2
179	15.9	13.0	19.6



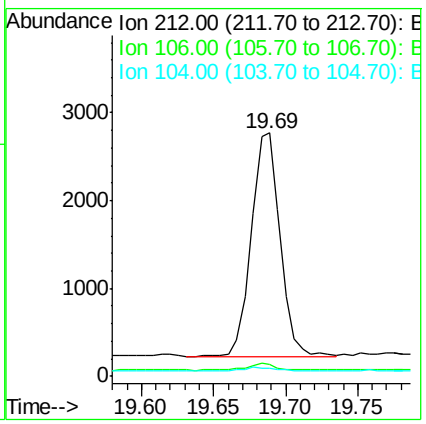


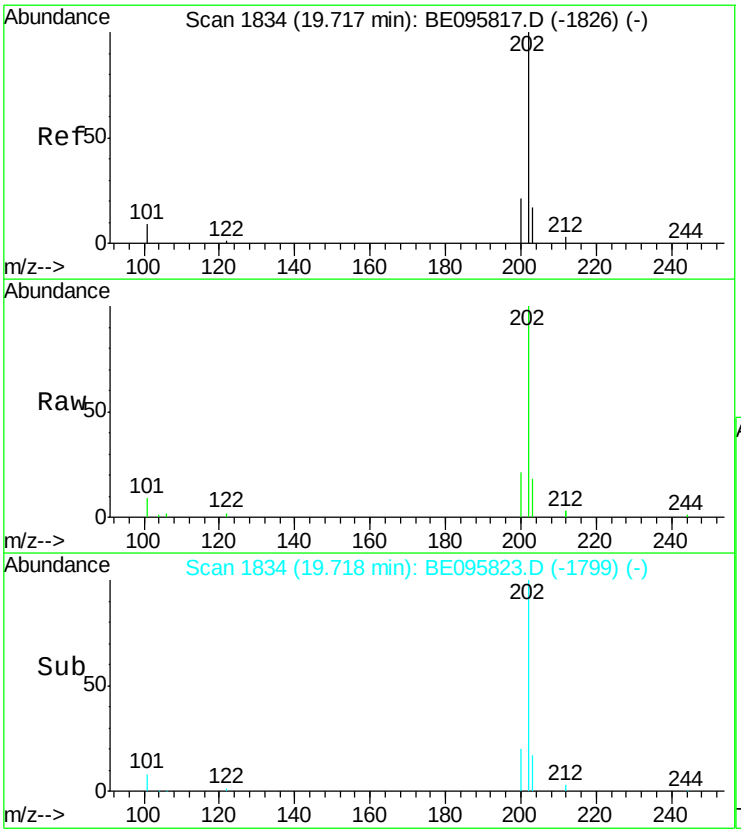
#25
Fluoranthene-d10
Concen: 0.040 ng
RT: 19.69 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:212 Resp: 3576

Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.8	4.2
104	1.7	1.6	2.4

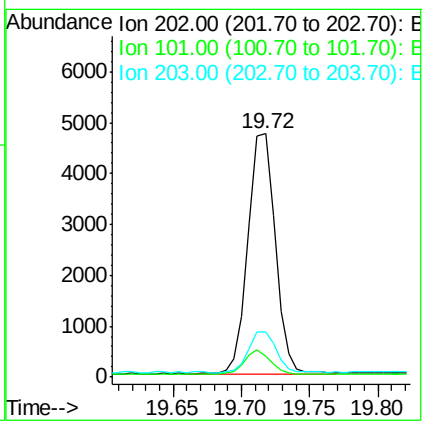


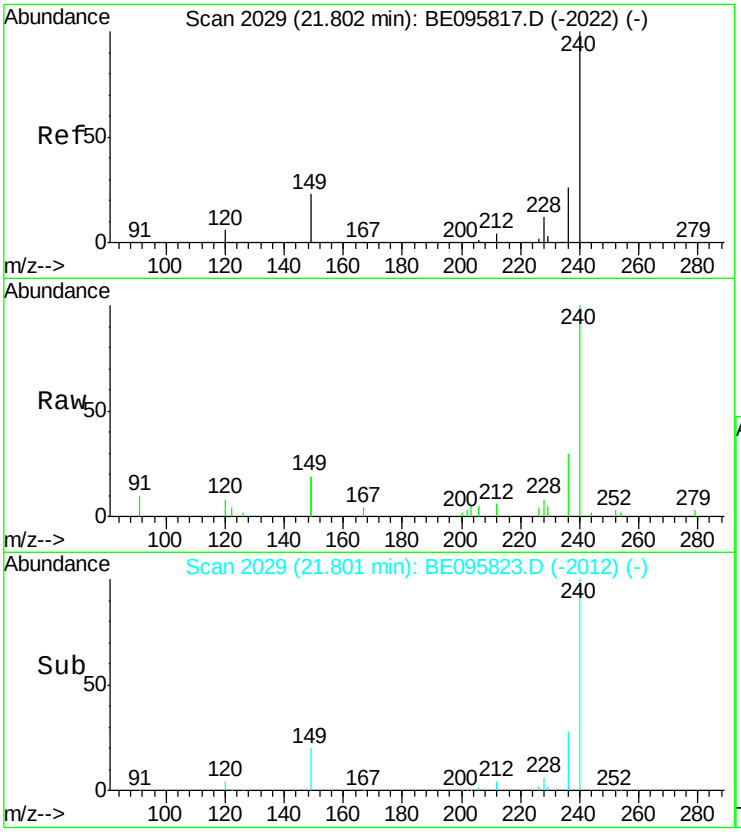


#26
Fluoranthene
Concen: 0.259 ng
RT: 19.72 min Scan# 1834
Delta R.T. 0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:202 Resp: 6492

Ion	Ratio	Lower	Upper
202	100		
101	9.4	9.8	14.8#
203	17.3	13.7	20.5



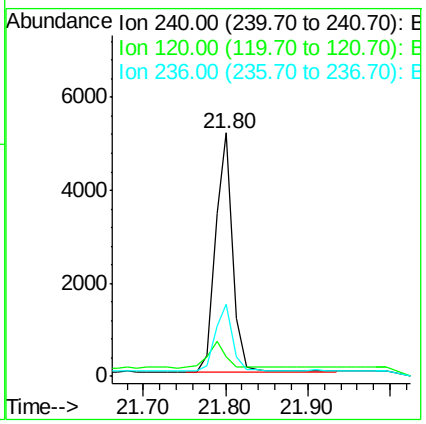


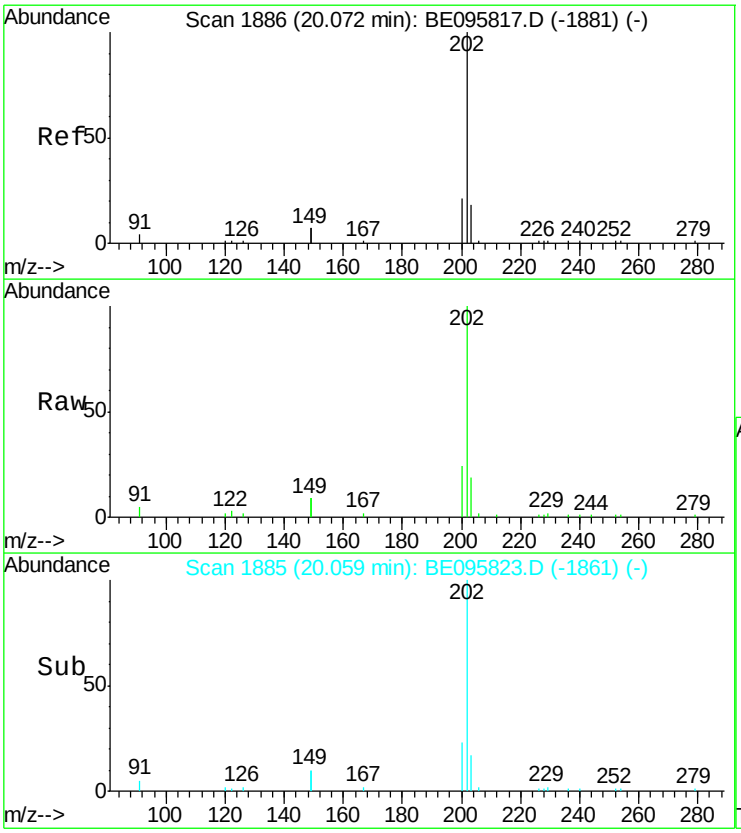
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.80 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:240 Resp: 7519

Ion	Ratio	Lower	Upper
240	100		
120	7.9	5.5	8.3
236	29.5	20.7	31.1

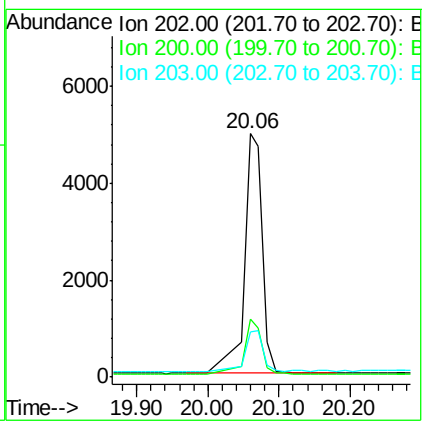


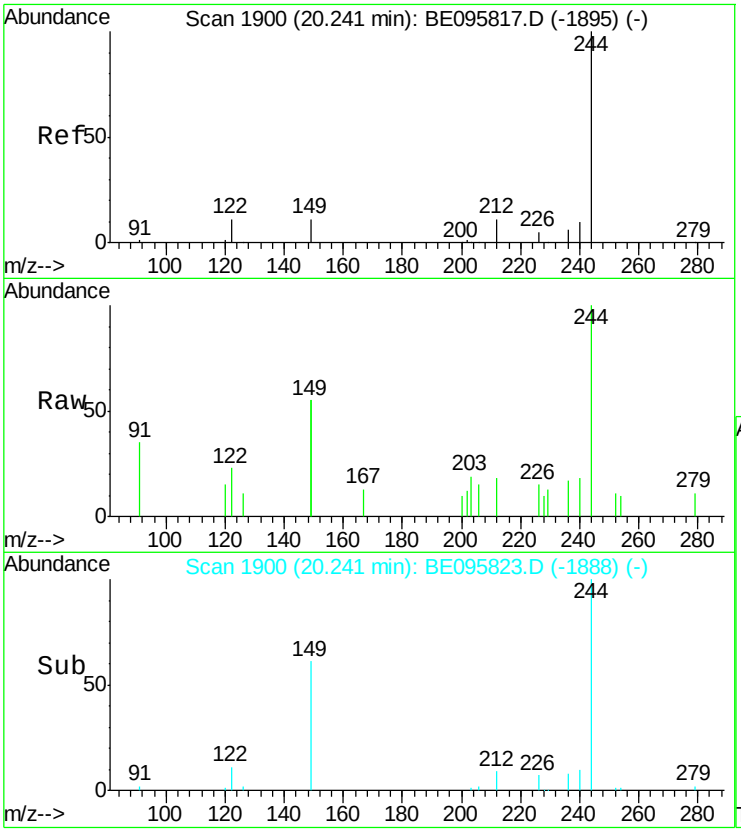


#28
Pyrene
Concen: 0.269 ng
RT: 20.06 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:202 Resp: 8224

Ion	Ratio	Lower	Upper
202	100		
200	25.7	16.6	25.0#
203	23.0	13.8	20.8#



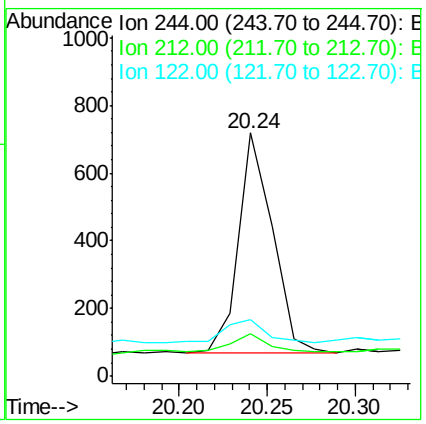


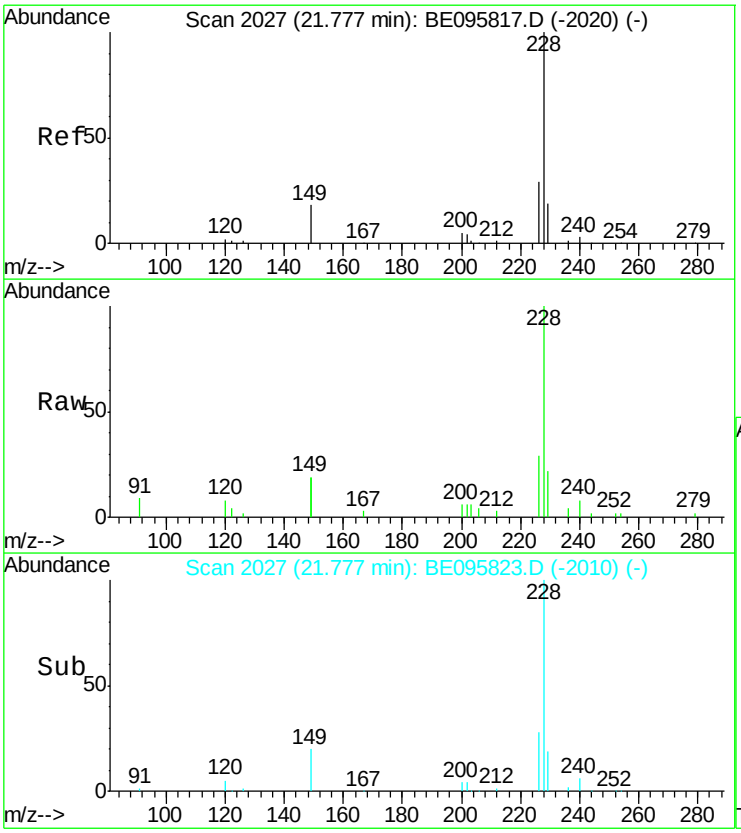
#29
Terphenyl-d14
Concen: 0.055 ng
RT: 20.24 min Scan# 1900
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:244 Resp: 878

Ion	Ratio	Lower	Upper
244	100		
212	17.7	25.4	38.0#
122	23.4	8.1	12.1#

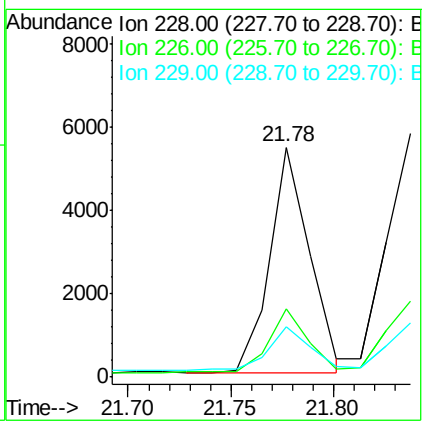


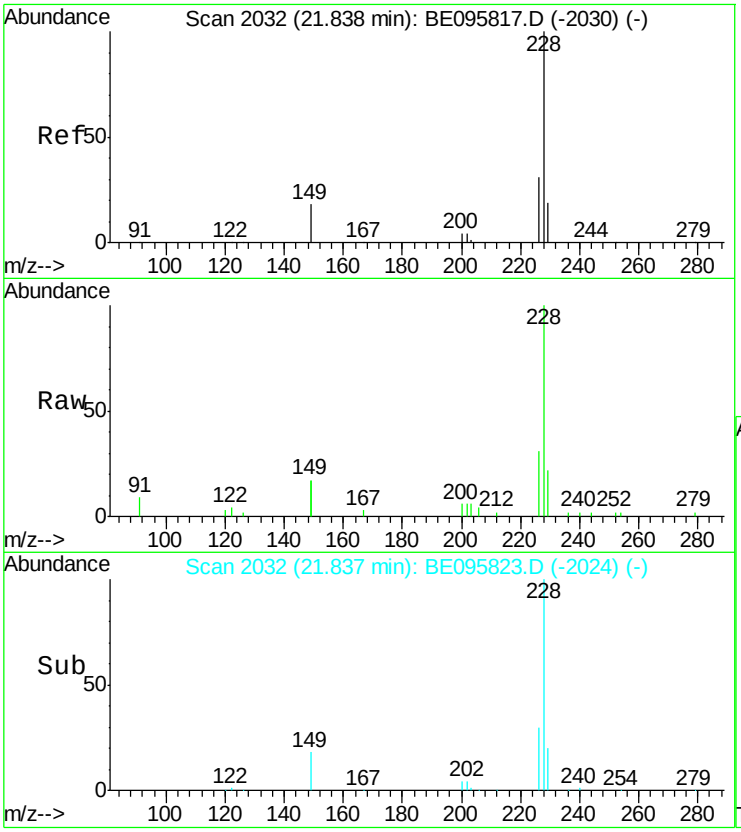


#30
Benzo(a)anthracene
Concen: 0.282 ng
RT: 21.78 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:228 Resp: 7344

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.0	36.0
229	22.0	16.0	24.0



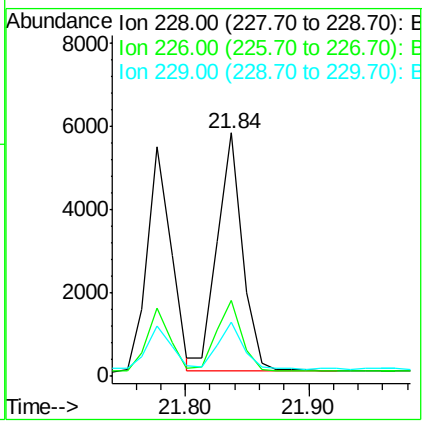


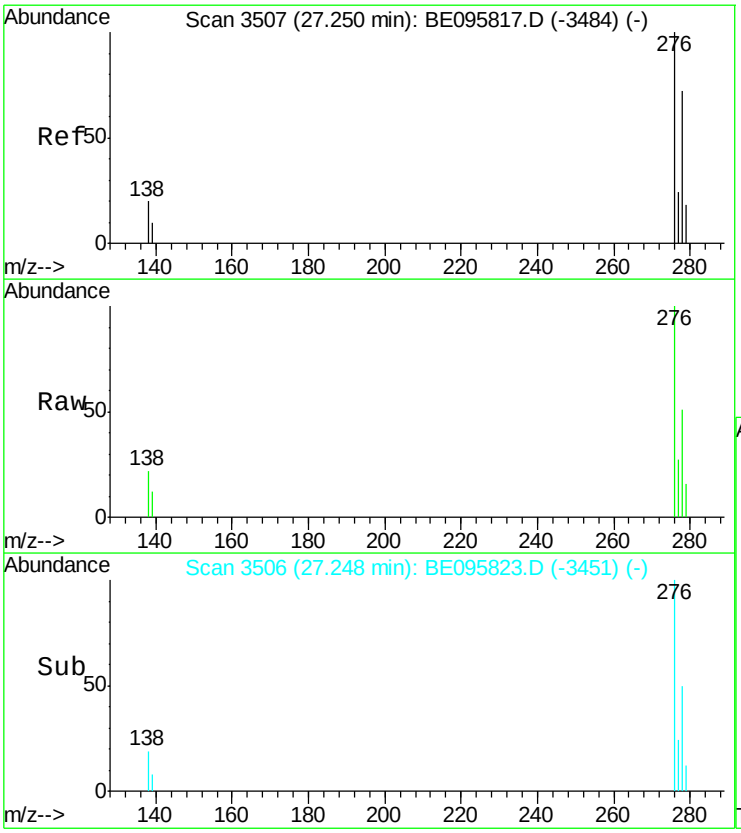
#31
Chrysene
Concen: 0.344 ng
RT: 21.84 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:228 Resp: 8183

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.0	36.0
229	22.4	16.0	24.0

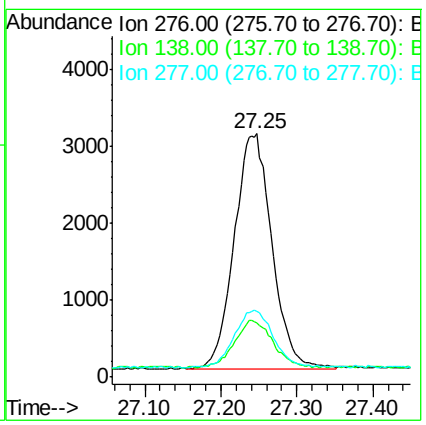


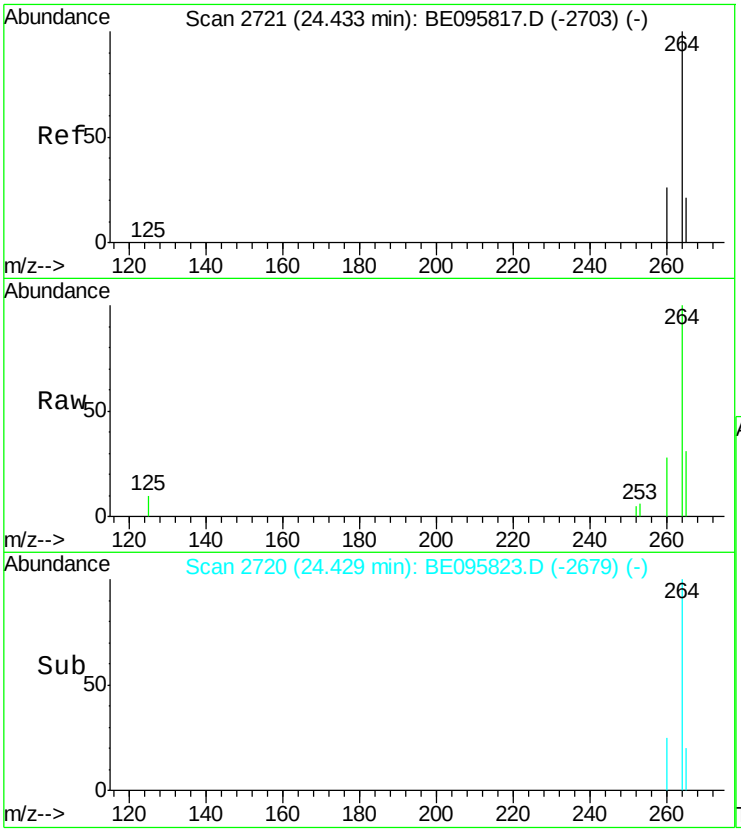


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.411 ng
RT: 27.25 min Scan# 3506
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:276 Resp: 10549

Ion	Ratio	Lower	Upper
276	100		
138	20.4	22.5	33.7#
277	24.3	19.9	29.9



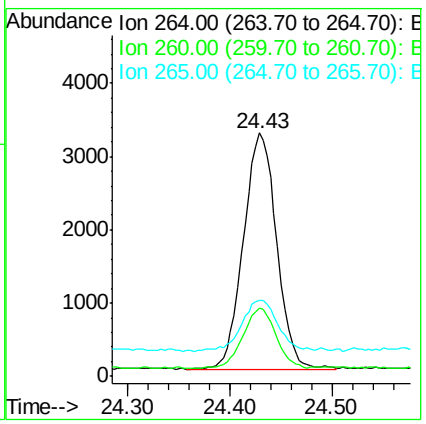


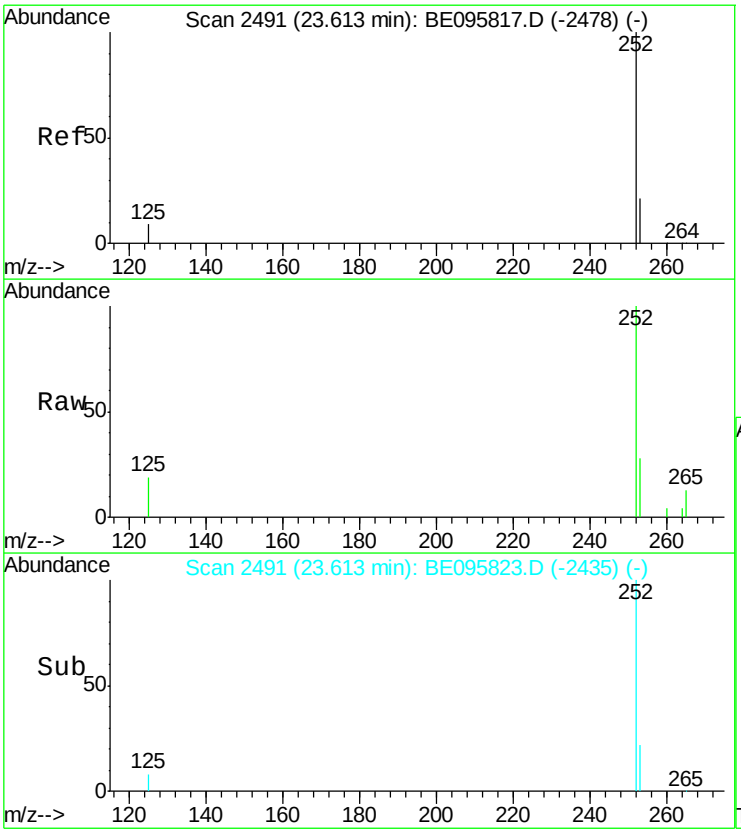
#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2720
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:264 Resp: 7282

Ion	Ratio	Lower	Upper
264	100		
260	27.9	20.5	30.7
265	31.0	22.8	34.2

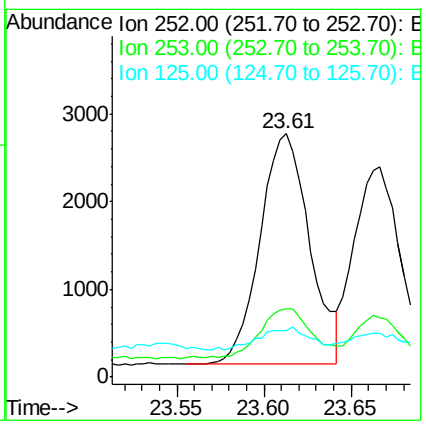


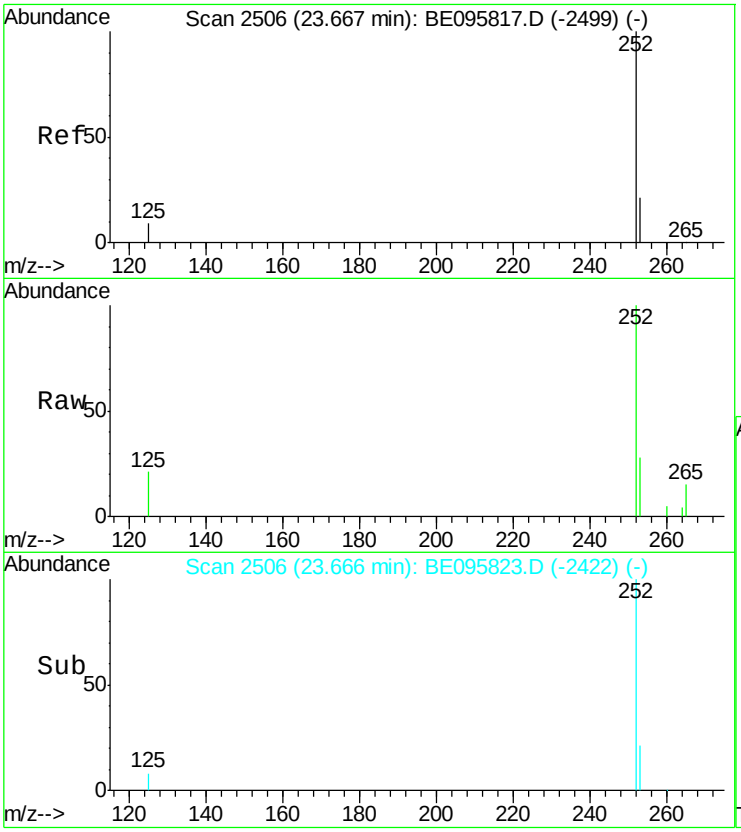


#35
Benzo(b)fluoranthene
Concen: 0.216 ng
RT: 23.61 min Scan# 2491
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:252 Resp: 5206

Ion	Ratio	Lower	Upper
252	100		
253	28.1	20.0	30.0
125	19.2	16.0	24.0



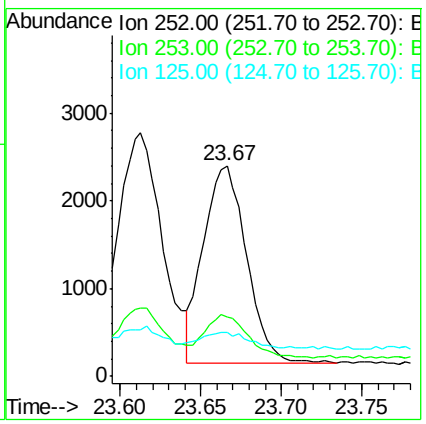


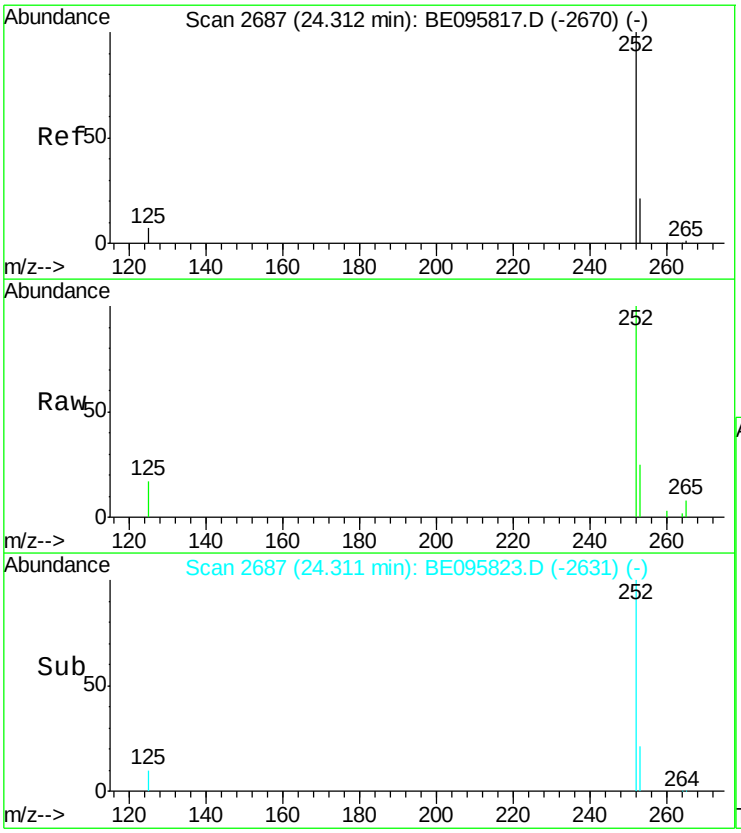
#36
Benzo(k)fluoranthene
Concen: 0.173 ng
RT: 23.67 min Scan# 2506
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:252 Resp: 4161

Ion	Ratio	Lower	Upper
252	100		
253	28.3	16.0	24.0#
125	20.7	8.0	12.0#

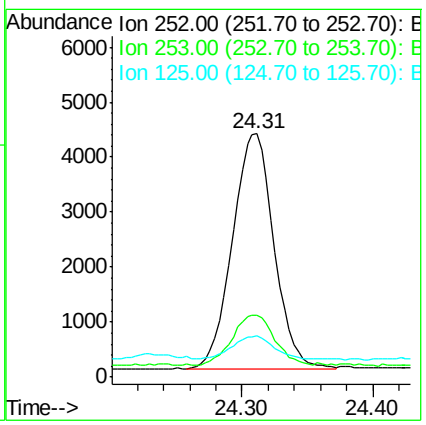


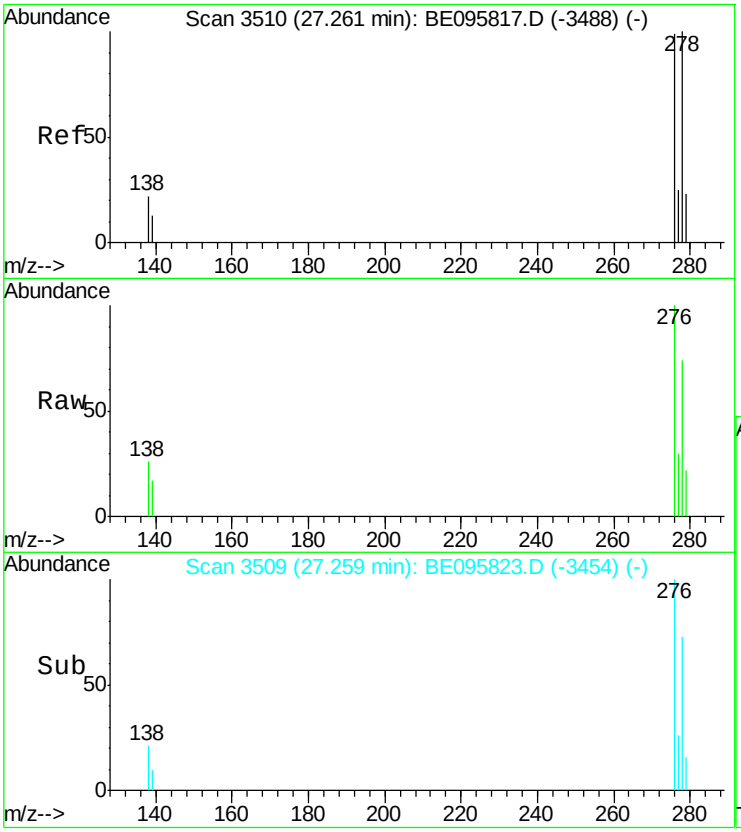


#37
Benzo(a)pyrene
Concen: 0.419 ng
RT: 24.31 min Scan# 2687
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:252 Resp: 9468

Ion	Ratio	Lower	Upper
252	100		
253	25.3	16.0	24.0#
125	17.1	12.0	18.0



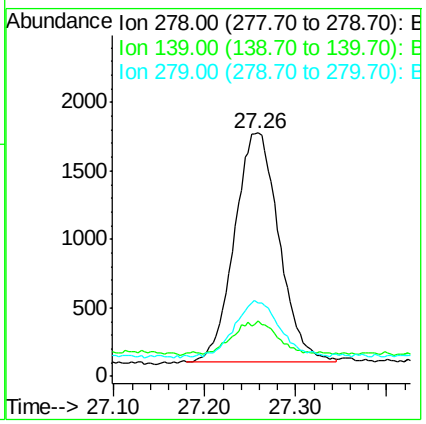


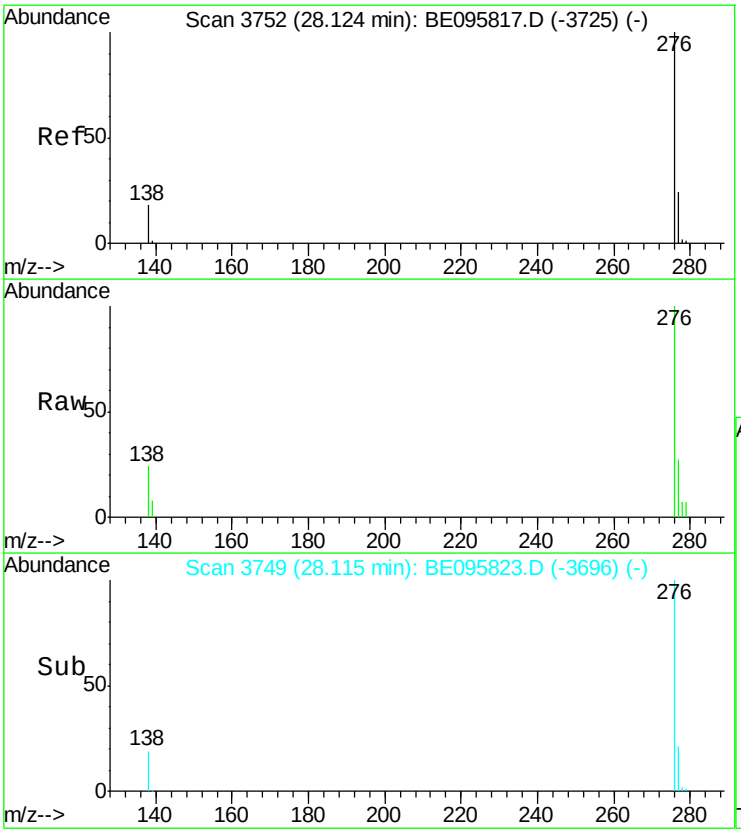
#38
Dibenzo(a,h)anthracene
Concen: 0.266 ng
RT: 27.26 min Scan# 3509
Delta R.T. -0.00 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Instrument :
BNA_E
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:278 Resp: 5704

Ion	Ratio	Lower	Upper
278	100		
139	22.6	16.0	24.0
279	30.0	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.344 ng
RT: 28.11 min Scan# 3749
Delta R.T. -0.01 min
Lab File: BE095823.D
Acq: 23 Mar 2018 14:05

Tgt Ion:276 Resp: 7423

Ion	Ratio	Lower	Upper
276	100		
277	26.8	16.0	24.0#
138	24.2	20.0	30.0