Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE020718\
Data File : BE095549.D
Acq On : 7 Feb 2018 12:03
Operator : SJ/JU
Sample : J1196-02DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : 1050DL

Quant Time: Feb 08 01:44:55 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 20:27:34 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.43	152	1154	0.40	ng		0.00
7) Naphthalene-d8	11.28	136	4555	0.40	ng		0.00
13) Acenaphthene-d10	15.00	164	2668	0.40	ng		0.00
19) Phenanthrene-d10	17.71	188	6499	0.40	ng		0.00
27) Chrysene-d12	21.79	240	6814	0.40	ng		0.00
34) Perylene-d12	24.43	264	6405	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.92	112	108	0.03	ng		0.00
5) Phenol-d6	7.55	99	176	0.04	ng		-0.01
8) Nitrobenzene-d5	9.62	82	208	0.04	ng		0.00
11) 2-Methylnaphthalene-d10	12.80	152	308	0.04	ng		0.00
14) 2,4,6-Tribromophenol	16.47	330	39	0.03	ng		0.00
15) 2-Fluorobiphenyl	13.65	172	523	0.05	ng		0.00
25) Fluoranthene-d10	19.69	212	3974	0.05	ng		0.00
29) Terphenyl-d14	20.25	244	928	0.06	ng		0.00
Target Compounds							Qvalue
6) bis(2-Chloroethyl)ether	7.83	93	106	0.024	ng		82
9) Naphthalene	11.31	128	70990	1.342	ng		99
12) 2-Methylnaphthalene	12.88	142	276	0.031	ng	#	91
16) Acenaphthylene	14.73	152	9415	0.619	ng		99
17) Acenaphthene	15.06	154	7951	0.841	ng		94
18) Fluorene	16.04	166	6684	0.562	ng	#	79
20) 4-Bromophenyl-phenylether	16.91	248	211	0.054	ng	#	80
23) Phenanthrene	17.74	178	32915	1.649	ng		98
24) Anthracene	17.83	178	4790	0.257	ng		95
26) Fluoranthene	19.72	202	21609	0.858	ng	#	97
28) Pyrene	20.06	202	23735	0.830	ng		95
30) Benzo(a)anthracene	21.78	228	12259	0.540	ng		98
31) Chrysene	21.84	228	5643	0.252	ng		98
32) Bis(2-ethylhexyl)phthalate	21.65	149	4392	0.084	ng	#	98
33) Indeno(1,2,3-cd)pyrene	27.23	276	8470	0.392	ng		96
35) Benzo(b)fluoranthene	23.61	252	9435	0.432	ng	#	91
36) Benzo(k)fluoranthene	23.66	252	18740	0.835	ng		96
37) Benzo(a)pyrene	24.31	252	13322	0.655	ng		93
38) Dibenzo(a,h)anthracene	27.26	278	10803	0.607	ng		96
39) Benzo(g,h,i)perylene	28.10	276	9379	0.491	ng	#	93

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

Quantitation Report (QT Reviewed)

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Data File : BE095549.D
Acq On : 7 Feb 2018 12:03
Operator : SJ/JU
Sample : J1196-02DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
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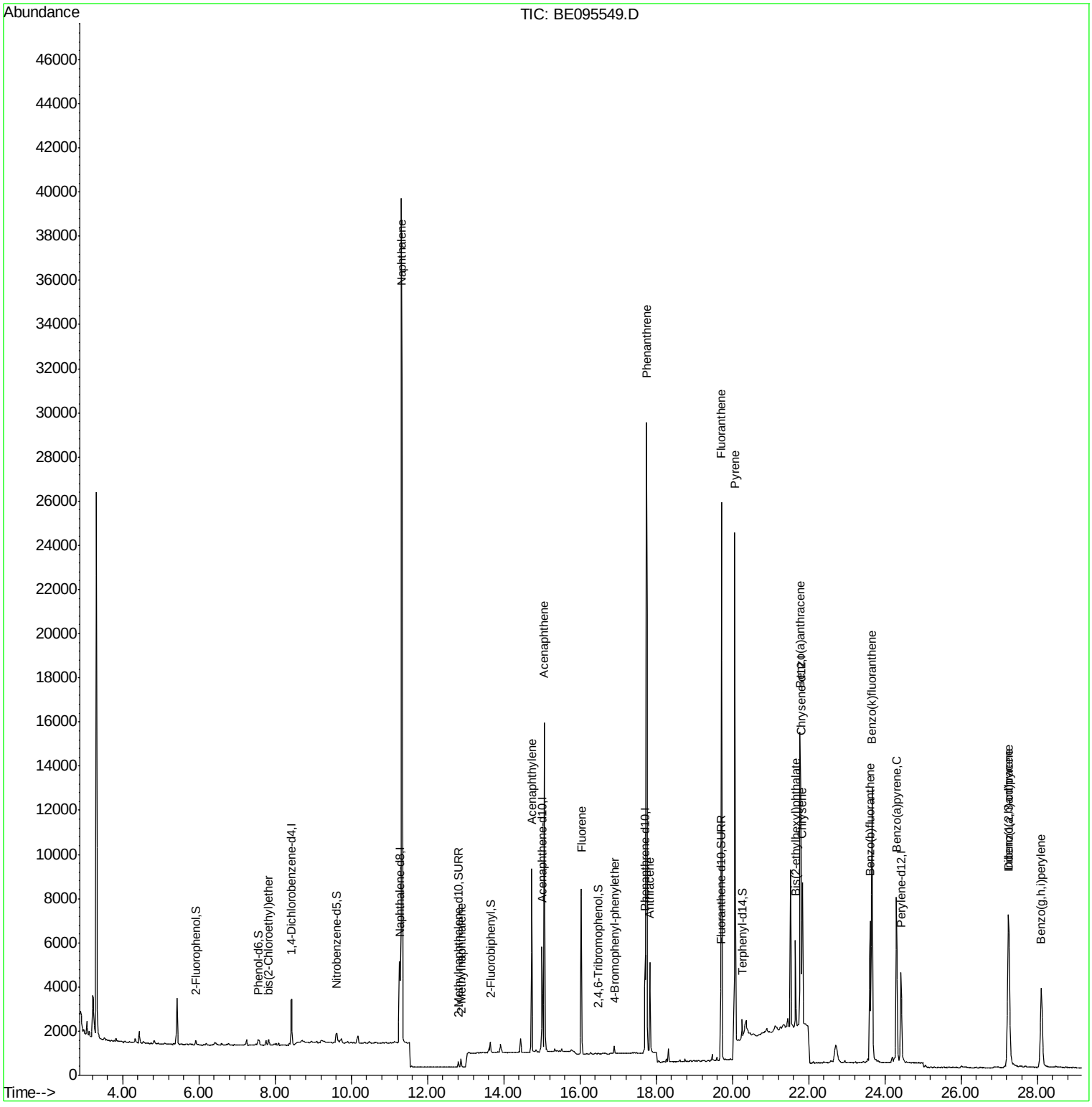
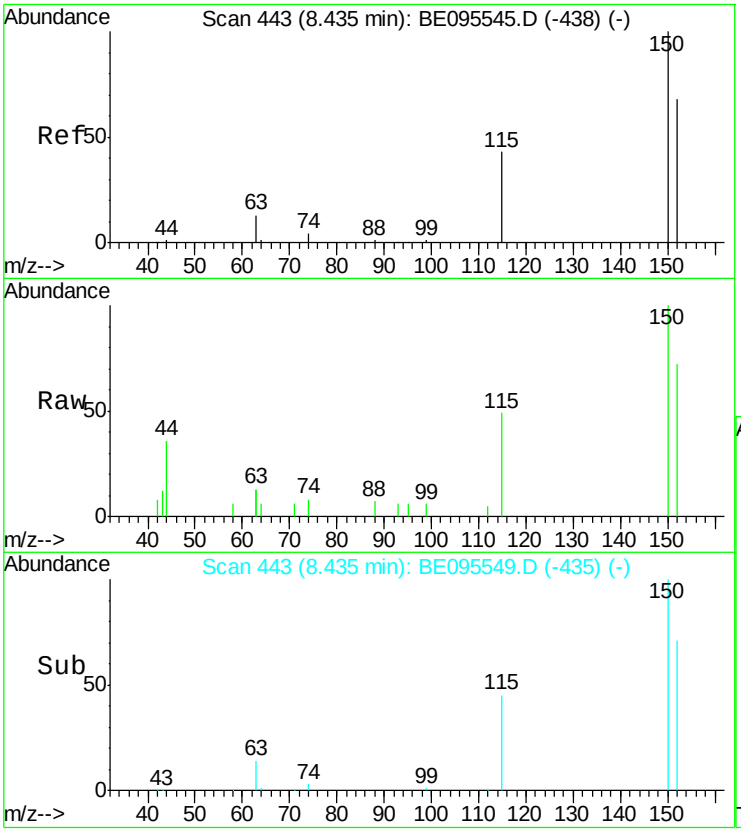
Quant Time: Feb 08 01:44:55 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE020618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 06 20:27:34 2018
Response via : Initial Calibration



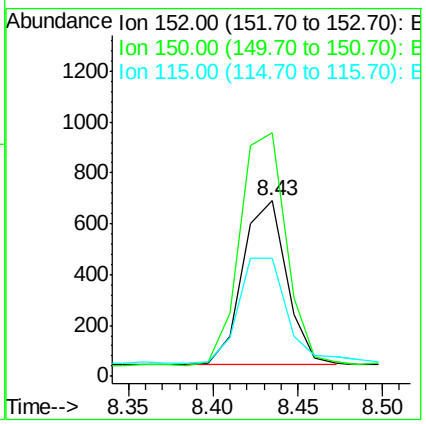


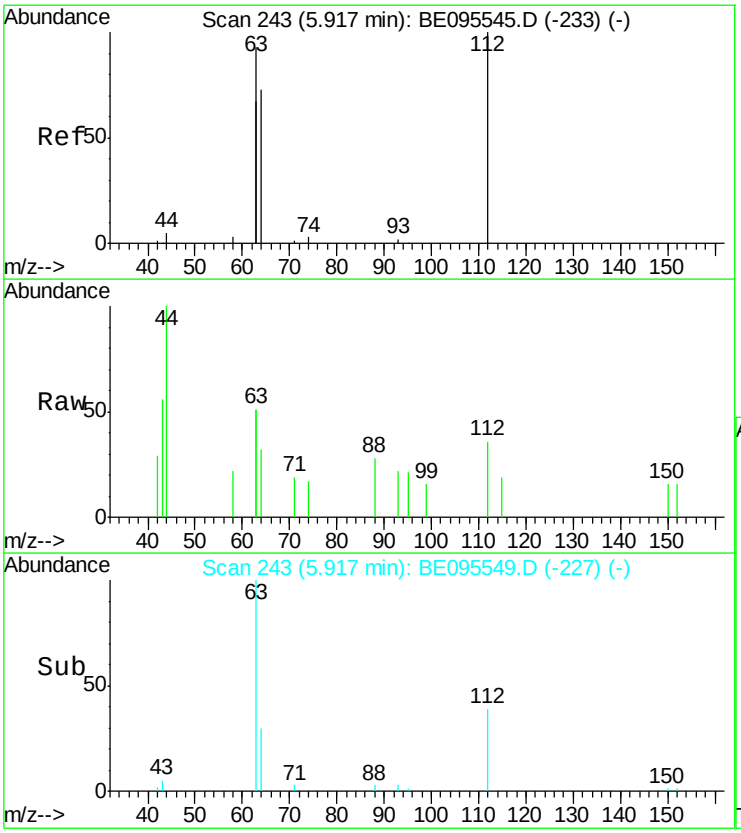
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.43 min Scan# 443
Delta R.T. 0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:152 Resp: 1154

Ion	Ratio	Lower	Upper
152	100		
150	138.6	117.2	175.8
115	67.4	57.0	85.6

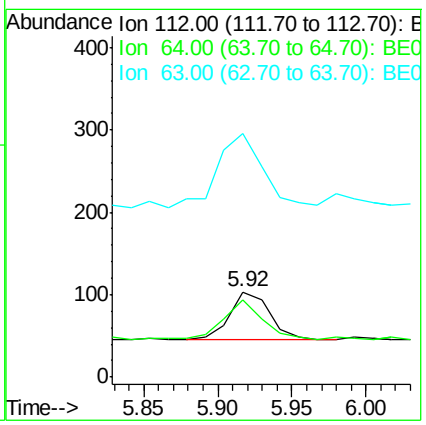


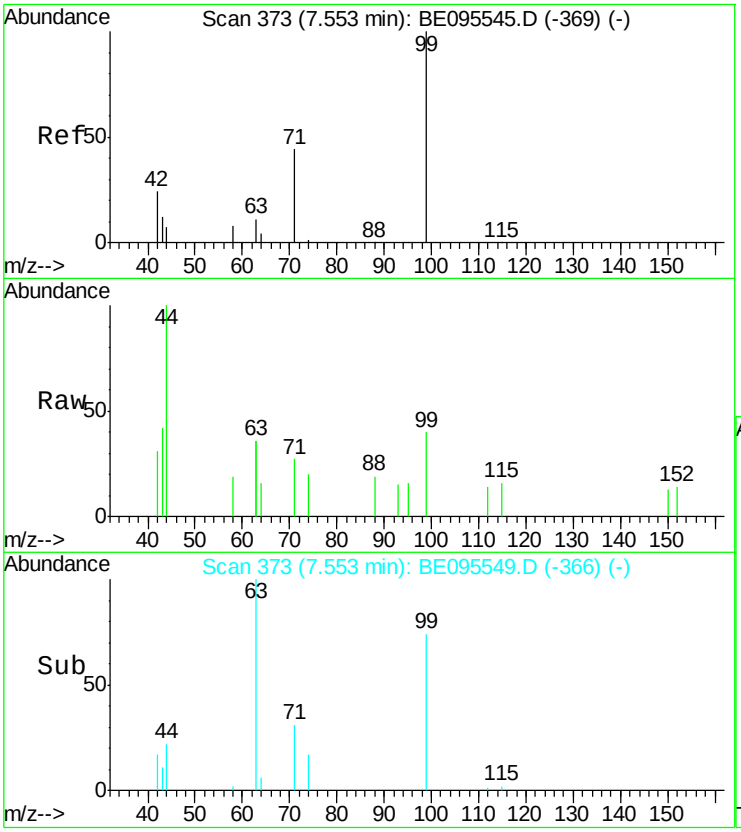


#4
2-Fluorophenol
Concen: 0.031 ng
RT: 5.92 min Scan# 243
Delta R.T. 0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:112 Resp: 108

Ion	Ratio	Lower	Upper
112	100		
64	79.6	60.1	90.1
63	184.3	116.8	175.2#



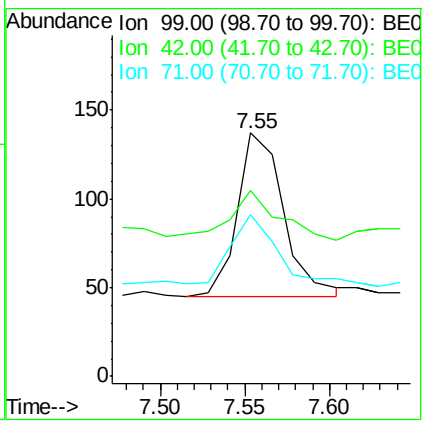


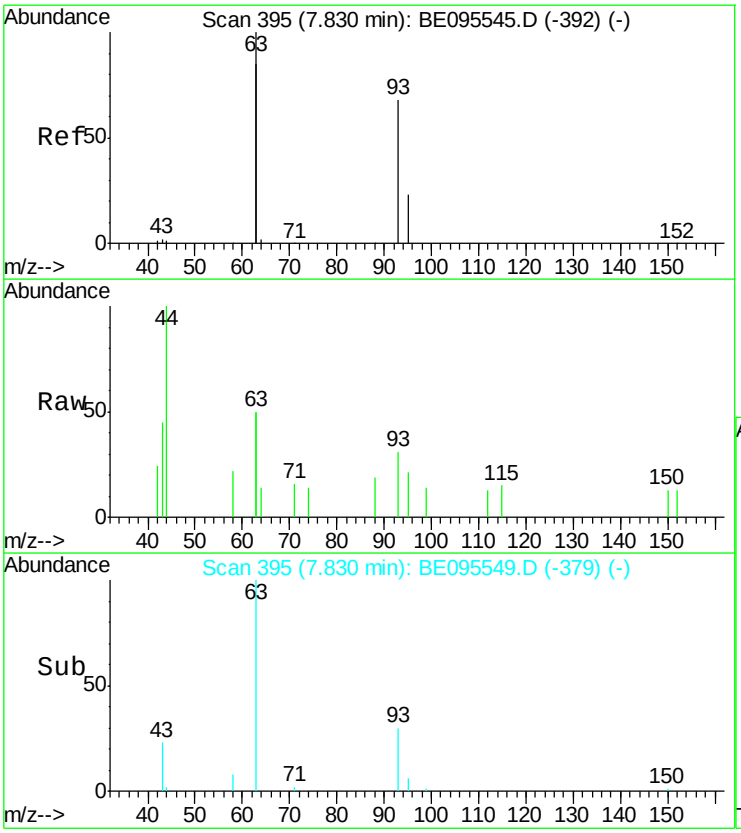
#5
Phenol-d6
Concen: 0.037 ng
RT: 7.55 min Scan# 373
Delta R.T. -0.01 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion: 99 Resp: 176

Ion	Ratio	Lower	Upper
99	100		
42	31.8	20.2	30.2#
71	41.5	28.4	42.6

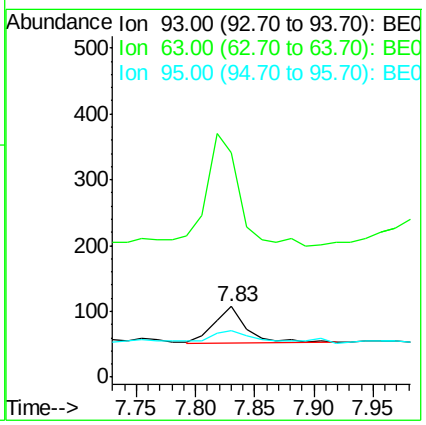


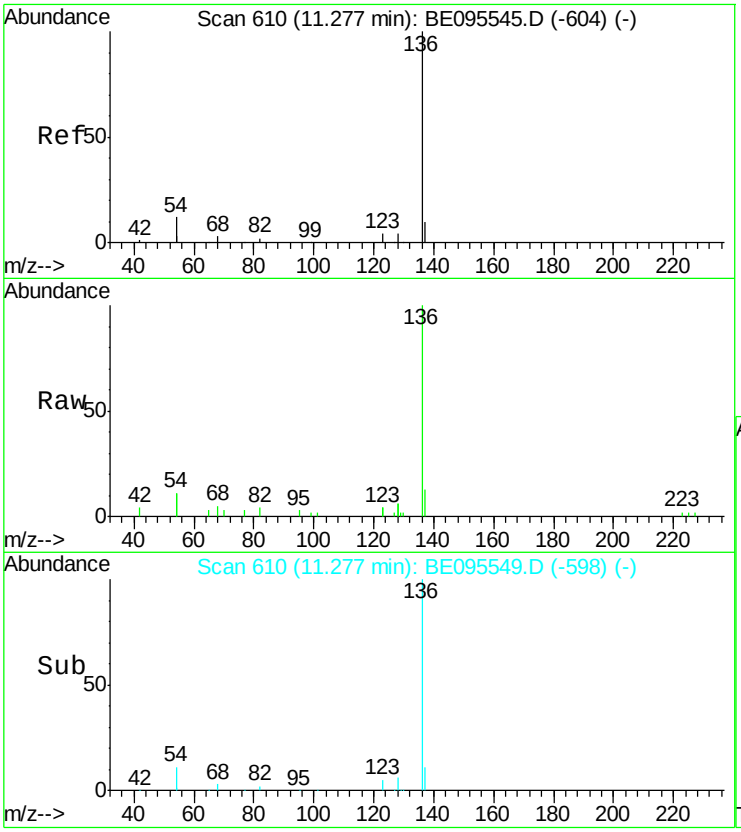


#6
bis(2-Chloroethyl)ether
Concen: 0.024 ng
RT: 7.83 min Scan# 395
Delta R.T. 0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion: 93 Resp: 106

Ion	Ratio	Lower	Upper
93	100		
63	301.9	275.3	412.9
95	31.1	25.2	37.8



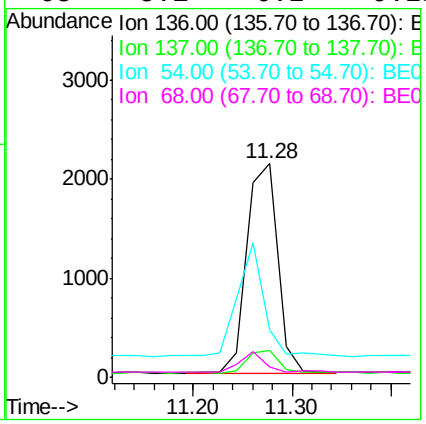


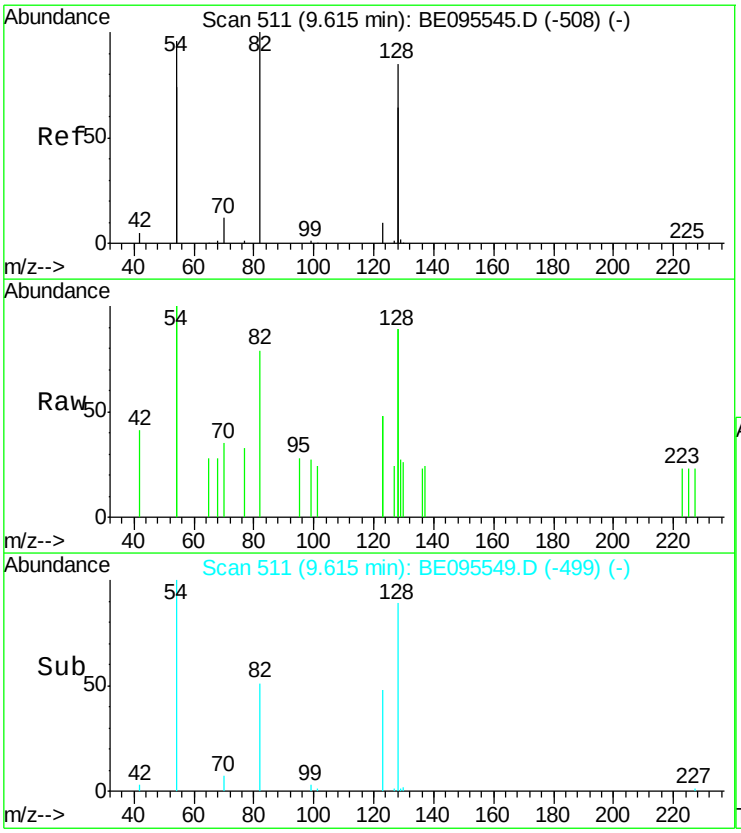
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.28 min Scan# 610
Delta R.T. 0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:136 Resp: 4555

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.5	14.3
54	22.3	29.1	43.7#
68	5.1	6.2	9.2#

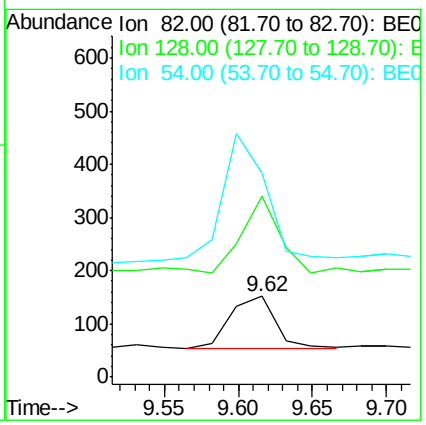


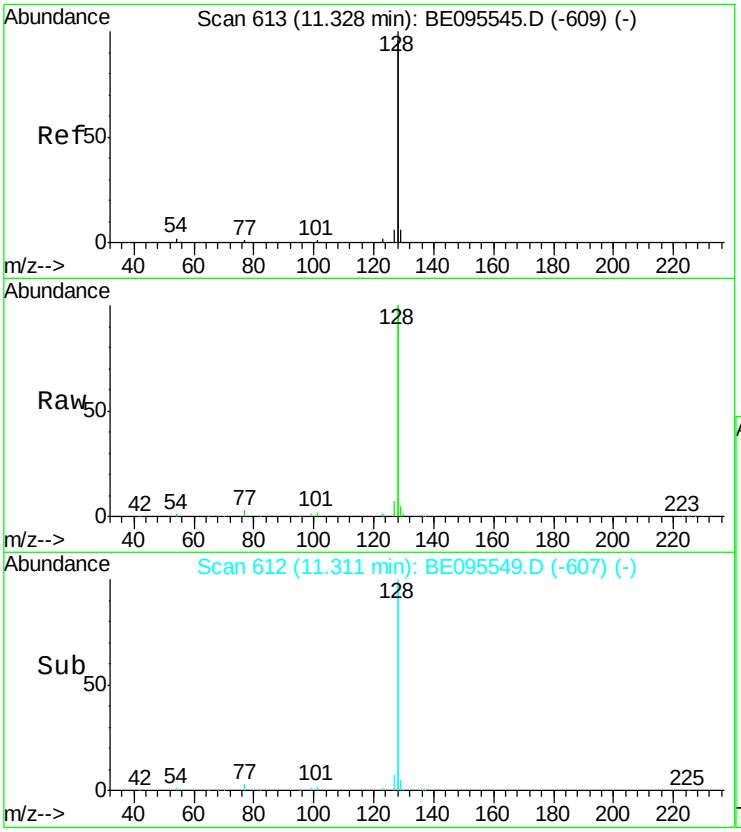


#8
Nitrobenzene-d5
Concen: 0.043 ng
RT: 9.62 min Scan# 511
Delta R.T. 0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion: 82 Resp: 208

Ion	Ratio	Lower	Upper
82	100		
128	223.7	150.0	225.0
54	252.6	154.2	231.4#



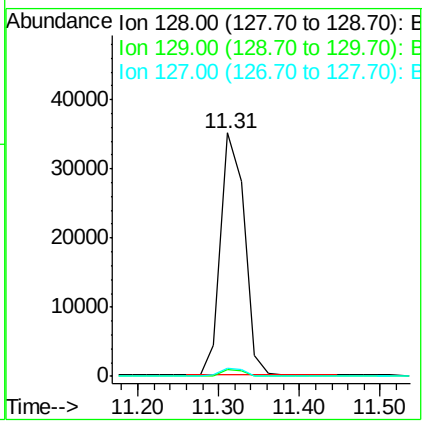


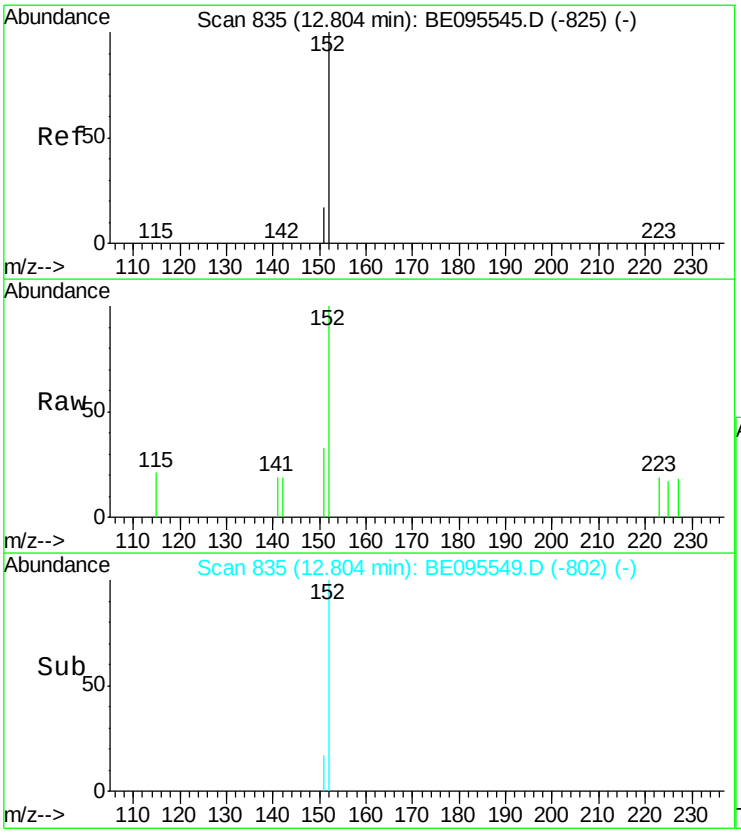
#9
Naphthalene
Concen: 1.342 ng
RT: 11.31 min Scan# 612
Delta R.T. -0.02 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:128 Resp: 70990

Ion	Ratio	Lower	Upper
128	100		
129	2.7	2.6	3.8
127	3.6	2.8	4.2

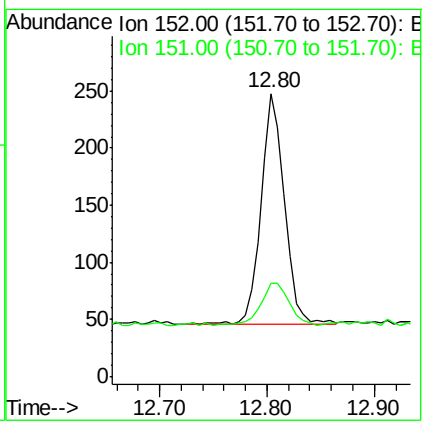


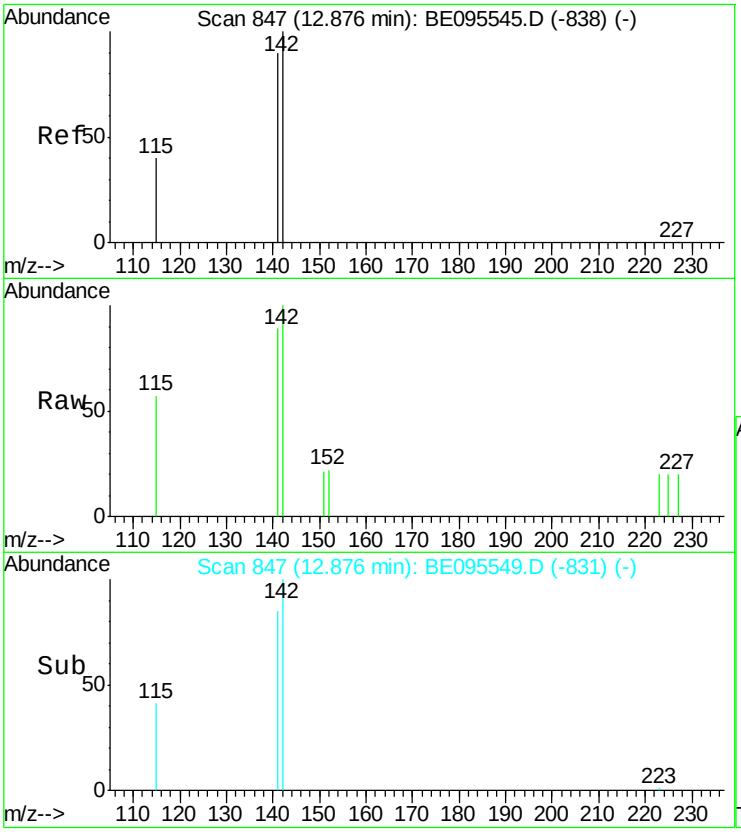


#11
2-Methylnaphthalene-d10
Concen: 0.041 ng
RT: 12.80 min Scan# 835
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:152 Resp: 308

Ion	Ratio	Lower	Upper
152	100		
151	22.1	15.4	23.0



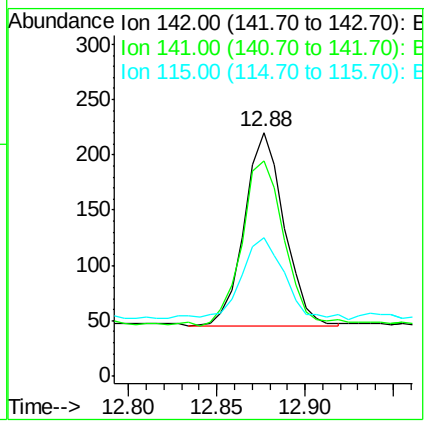


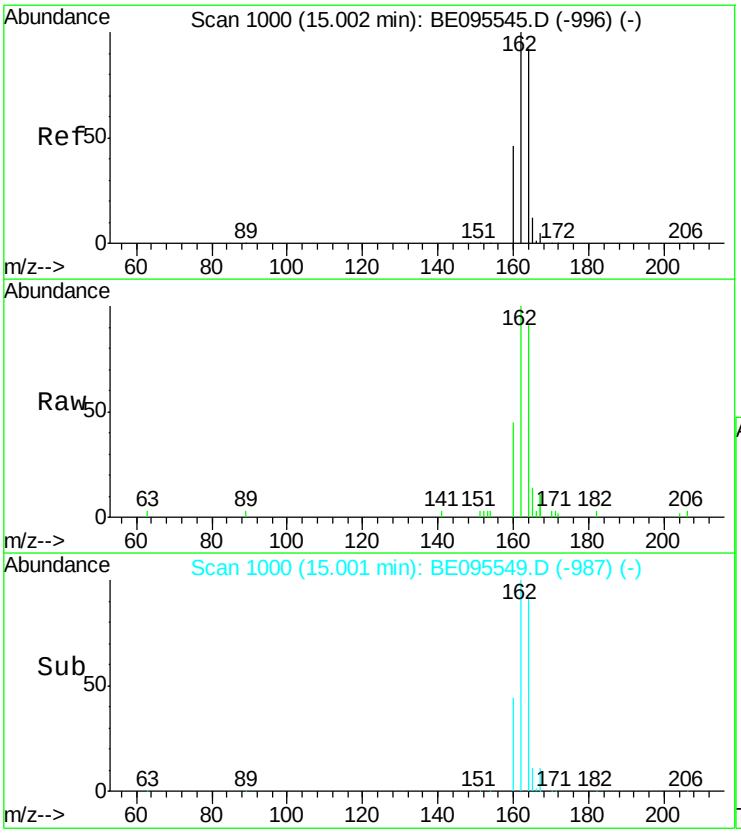
#12
2-Methylnaphthalene
Concen: 0.031 ng
RT: 12.88 min Scan# 847
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:142 Resp: 276

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.4	105.6
115	56.8	31.7	47.5#

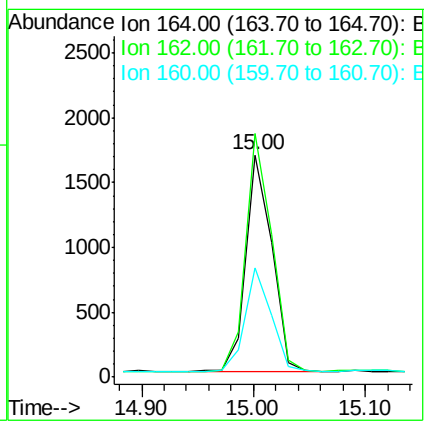


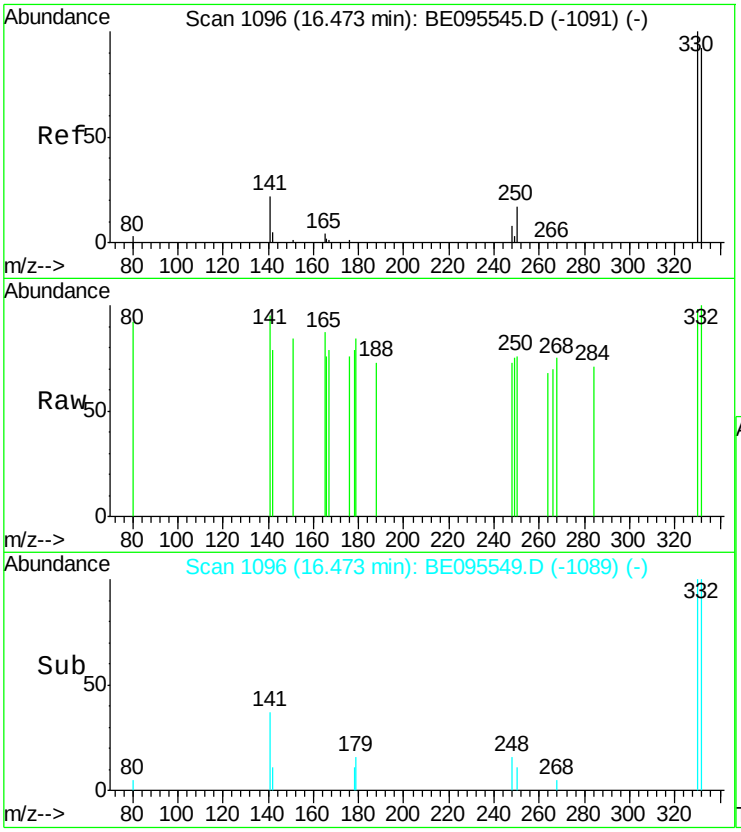


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.00 min Scan# 1000
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:164 Resp: 2668

Ion	Ratio	Lower	Upper
164	100		
162	109.5	83.1	124.7
160	49.2	37.1	55.7



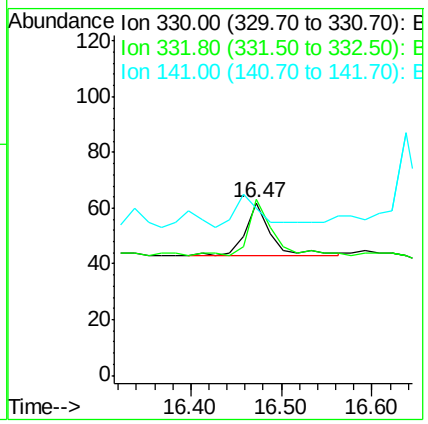


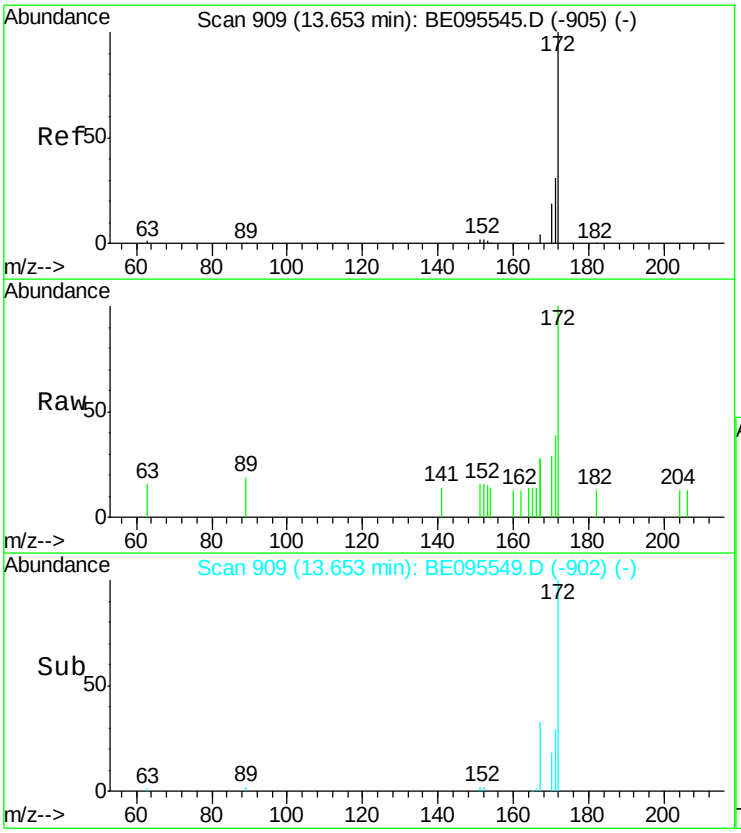
#14
2,4,6-Tribromophenol
Concen: 0.032 ng
RT: 16.47 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:330 Resp: 39

Ion	Ratio	Lower	Upper
330	100		
332	100.0	152.7	229.1#
141	59.0	33.7	50.5#

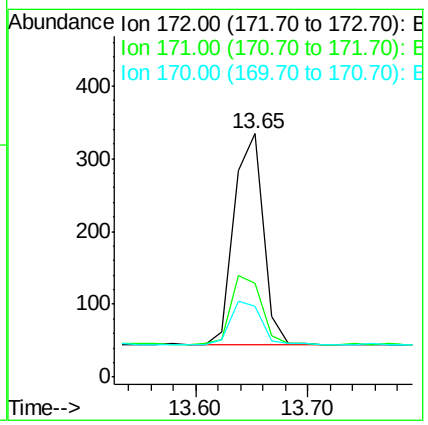


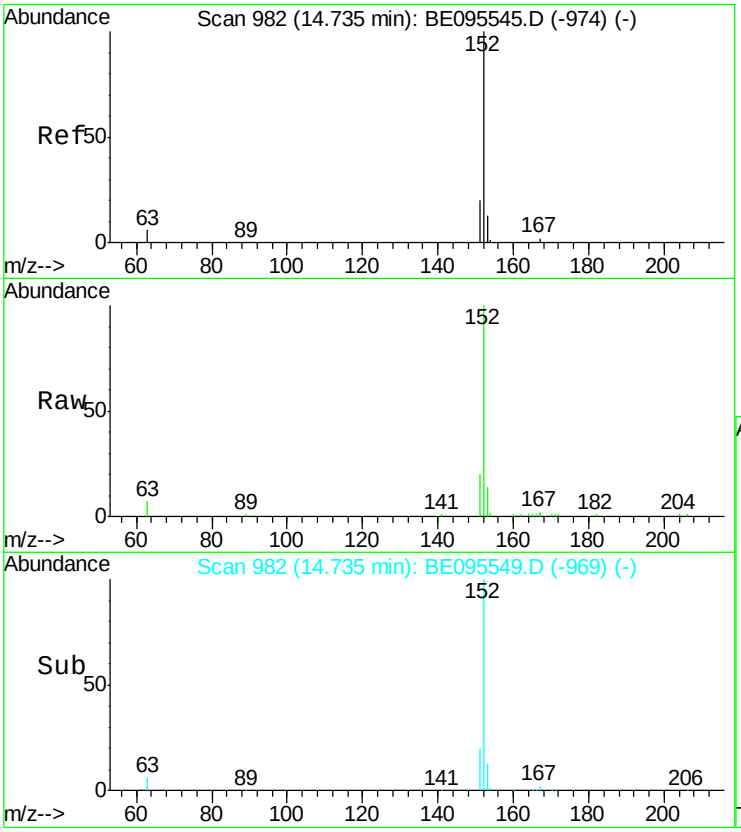


#15
2-Fluorobiphenyl
Concen: 0.045 ng
RT: 13.65 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:172 Resp: 523

Ion	Ratio	Lower	Upper
172	100		
171	38.6	29.9	44.9
170	29.0	21.8	32.8



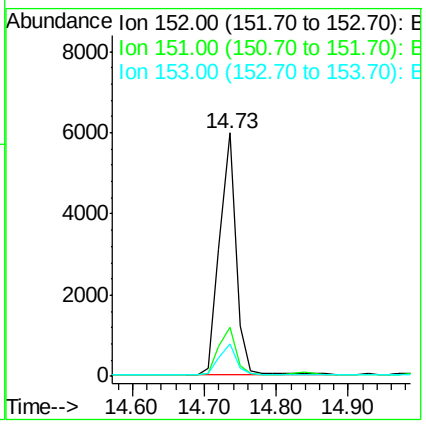


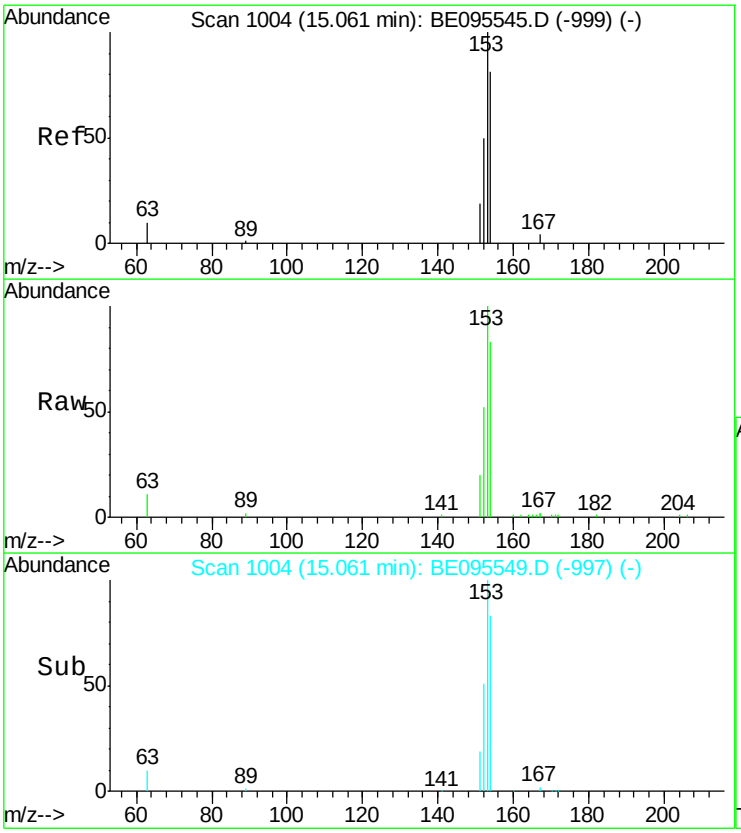
#16
Acenaphthylene
Concen: 0.619 ng
RT: 14.73 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:152 Resp: 9415

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	12.9	10.5	15.7

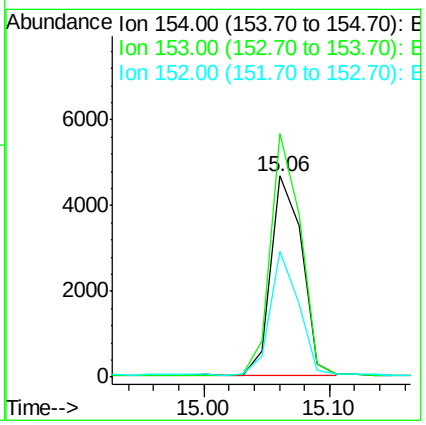


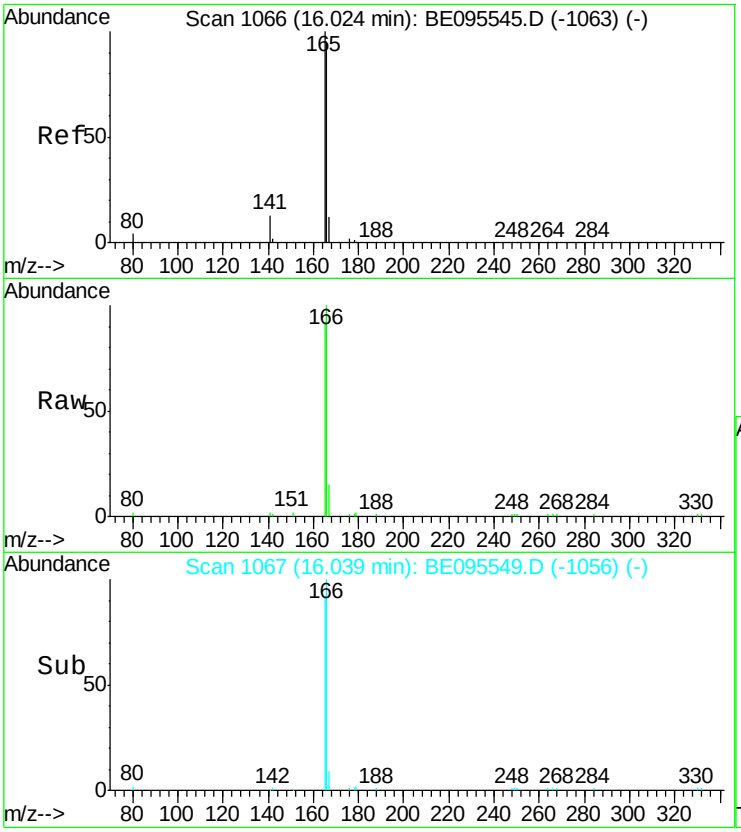


#17
Acenaphthene
Concen: 0.841 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:154 Resp: 7951

Ion	Ratio	Lower	Upper
154	100		
153	116.7	89.2	133.8
152	57.4	42.0	63.0



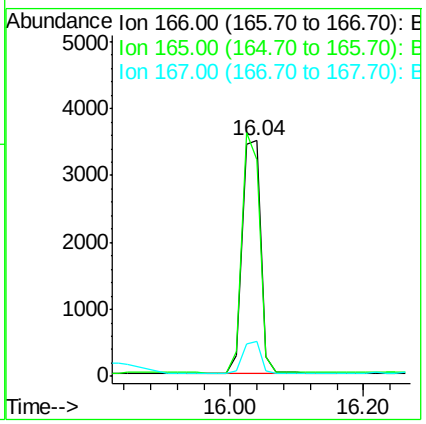


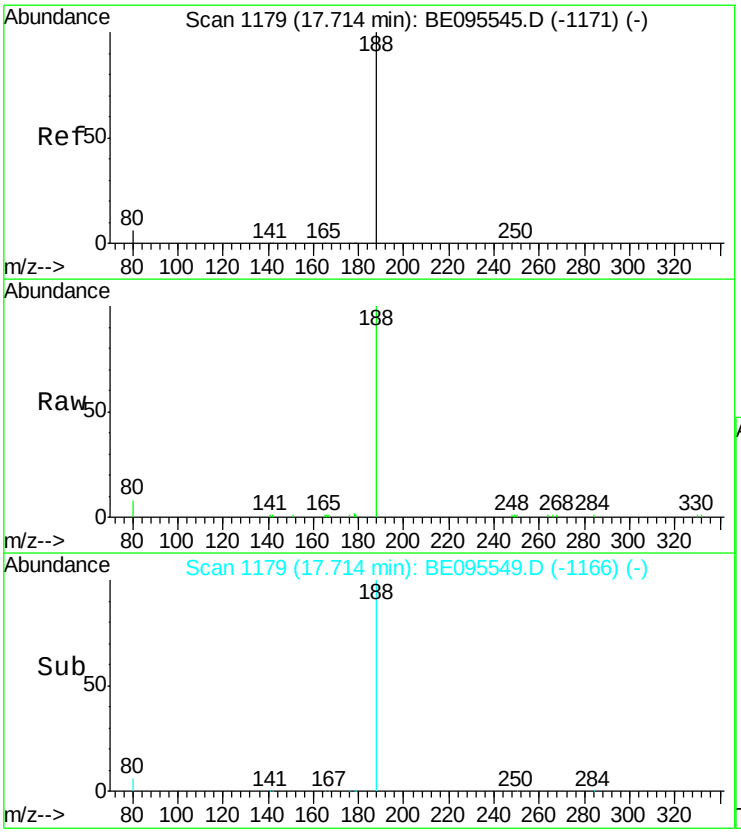
#18
Fluorene
Concen: 0.562 ng
RT: 16.04 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:166 Resp: 6684

Ion	Ratio	Lower	Upper
166	100		
165	99.1	77.8	116.6
167	13.3	42.4	63.6#

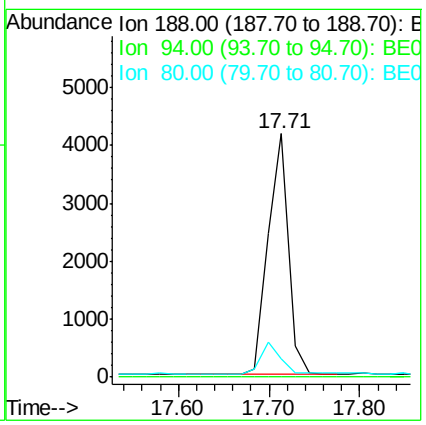


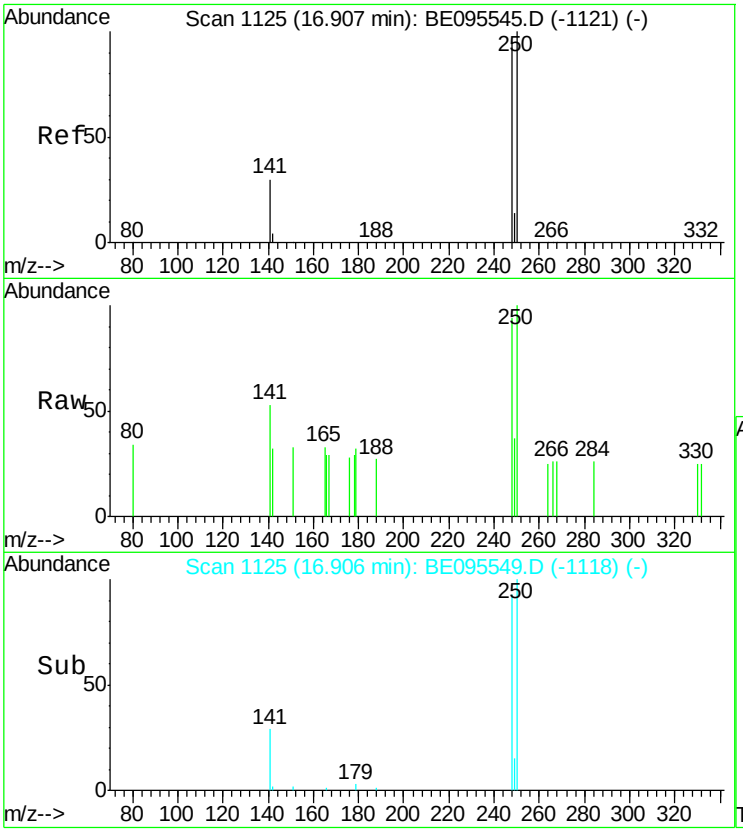


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.71 min Scan# 1179
Delta R.T. 0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:188 Resp: 6499

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	7.5	3.6	5.4#



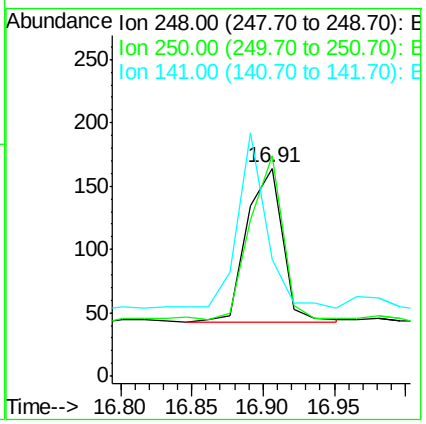


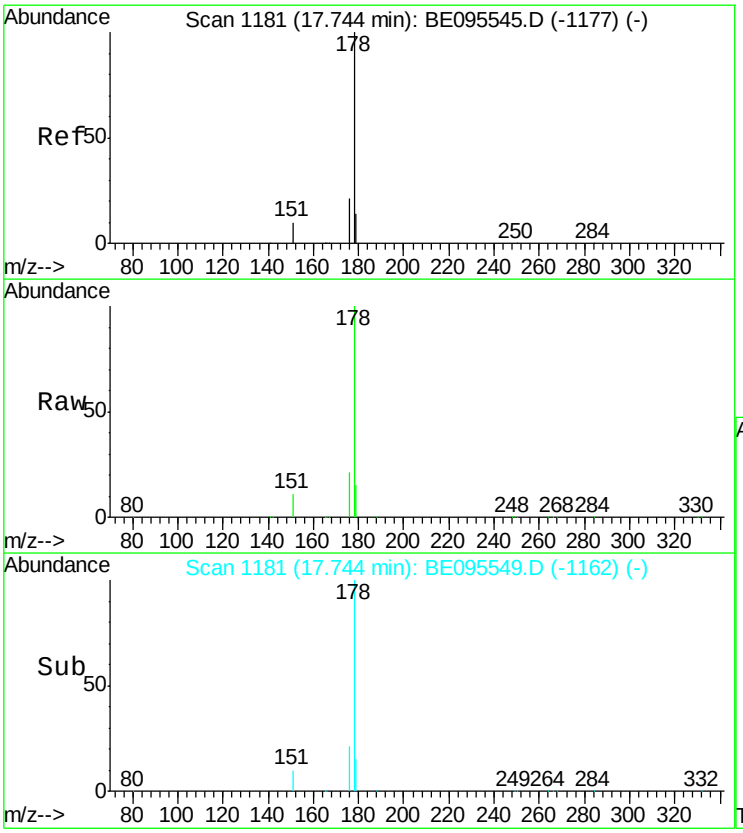
#20
4-Bromophenyl-phenylether
Concen: 0.054 ng
RT: 16.91 min Scan# 1125
Delta R.T. 0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:248 Resp: 211

Ion	Ratio	Lower	Upper
248	100		
250	106.1	62.7	94.1#
141	56.1	48.2	72.2

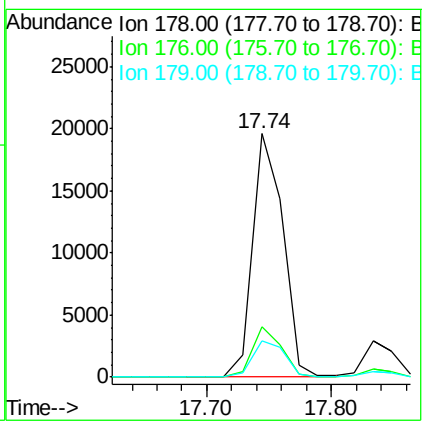


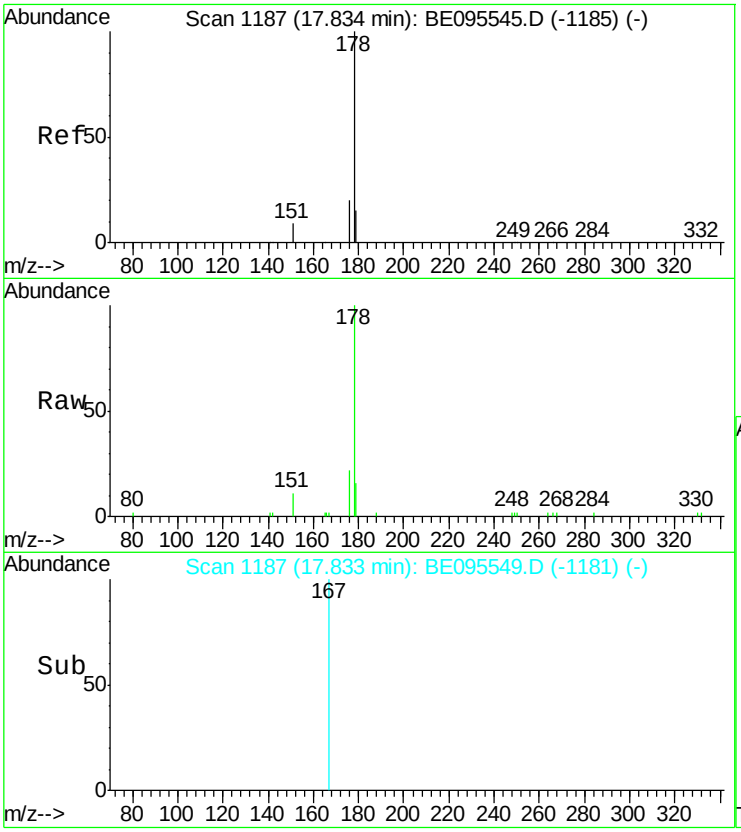


#23
Phenanthrene
Concen: 1.649 ng
RT: 17.74 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:178 Resp: 32915

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	15.3	11.8	17.6



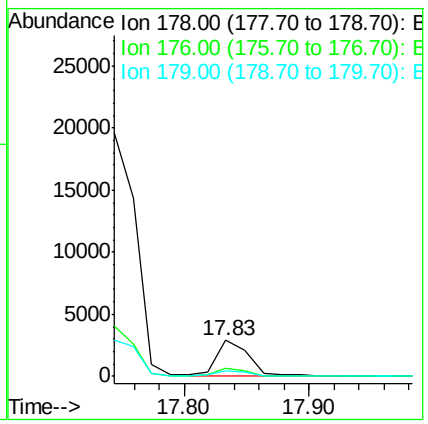


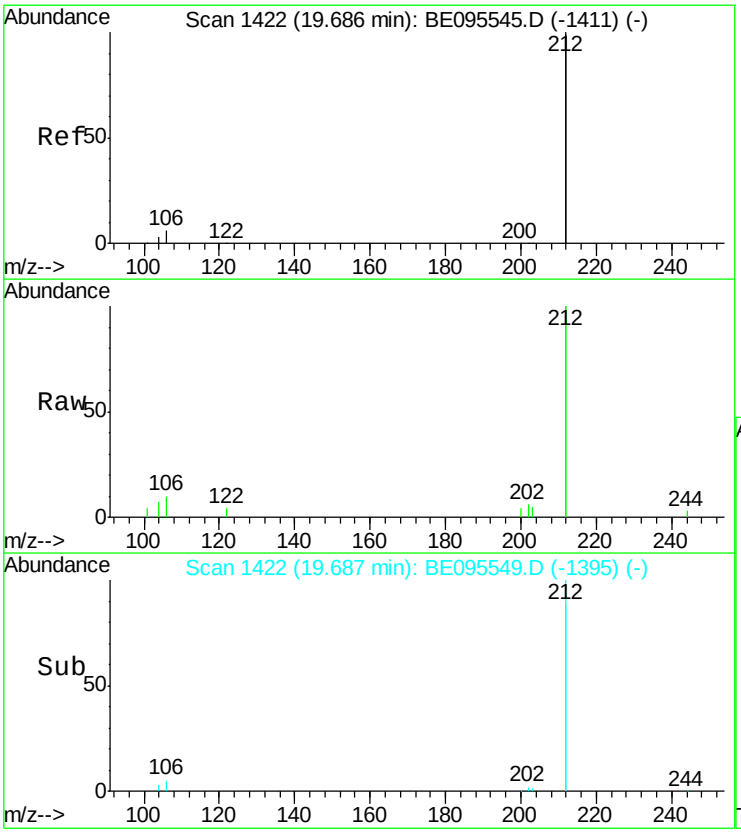
#24
Anthracene
Concen: 0.257 ng
RT: 17.83 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:178 Resp: 4790

Ion	Ratio	Lower	Upper
178	100		
176	19.1	12.8	19.2
179	15.0	13.0	19.6

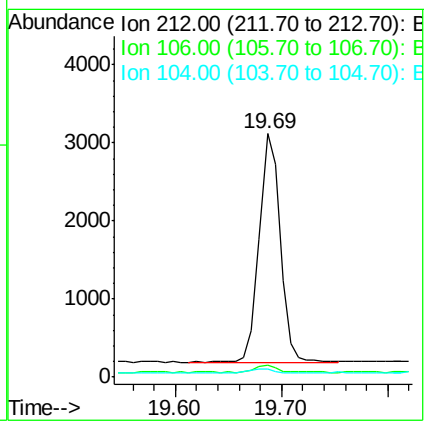


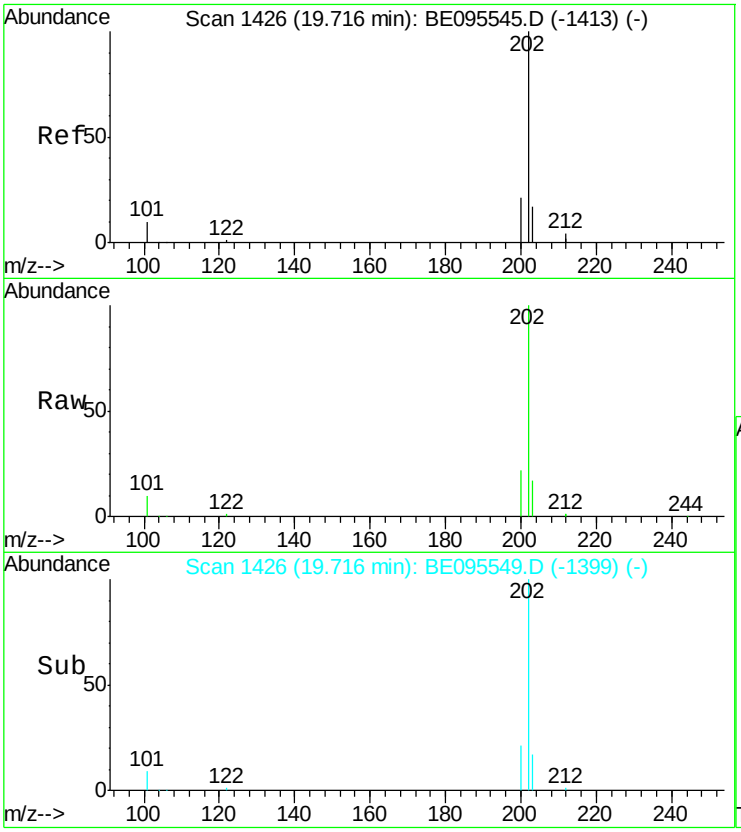


#25
Fluoranthene-d10
Concen: 0.046 ng
RT: 19.69 min Scan# 1422
Delta R.T. 0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:212 Resp: 3974

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.8	4.2
104	2.0	1.6	2.4



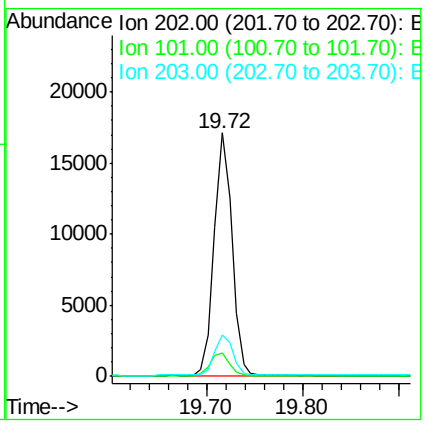


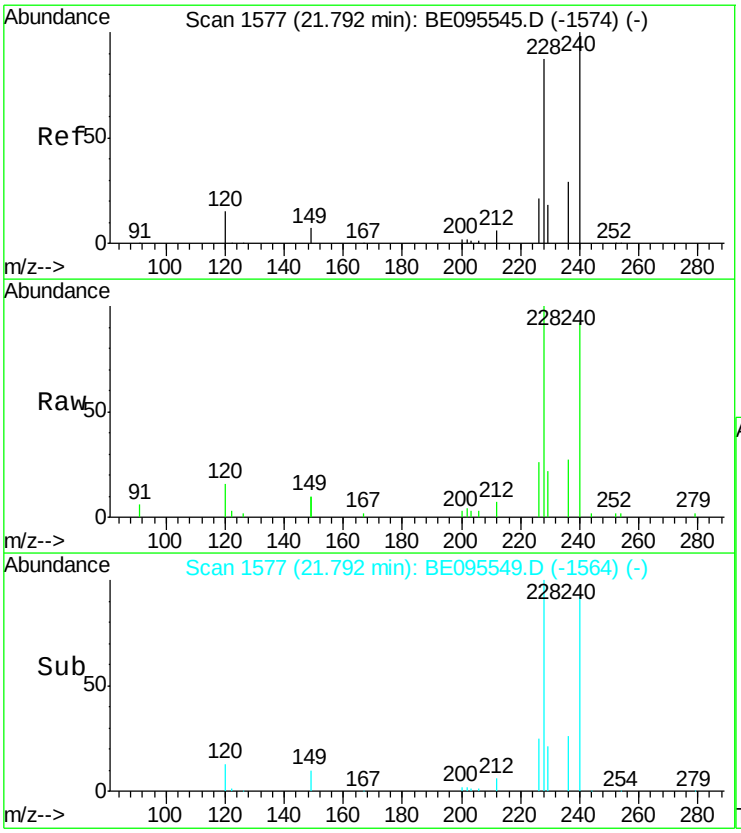
#26
Fluoranthene
Concen: 0.858 ng
RT: 19.72 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:202 Resp: 21609

Ion	Ratio	Lower	Upper
202	100		
101	9.8	9.8	14.8#
203	17.0	13.7	20.5

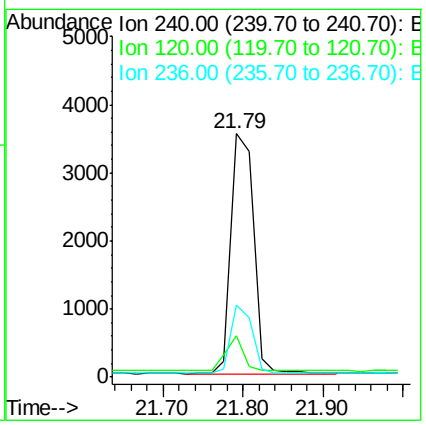


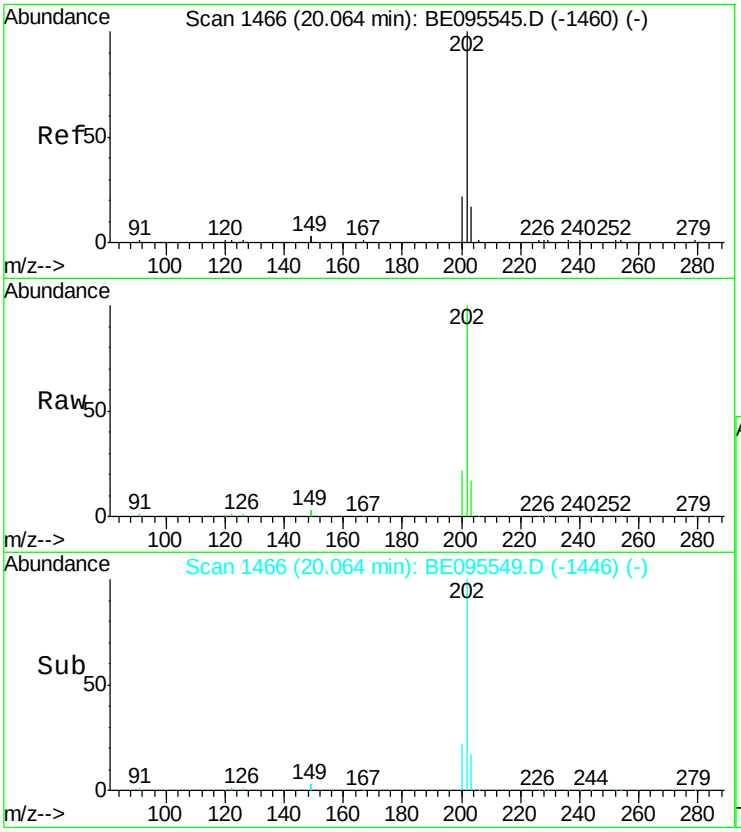


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.79 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:240 Resp: 6814

Ion	Ratio	Lower	Upper
240	100		
120	16.9	5.5	8.3#
236	29.6	20.7	31.1



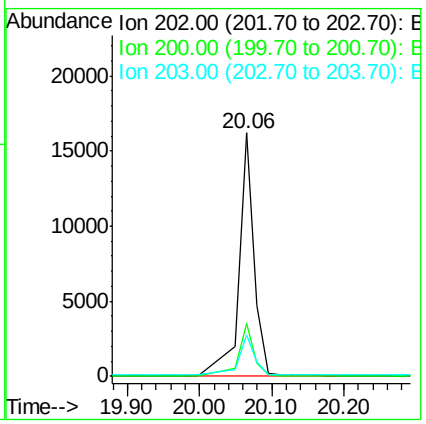


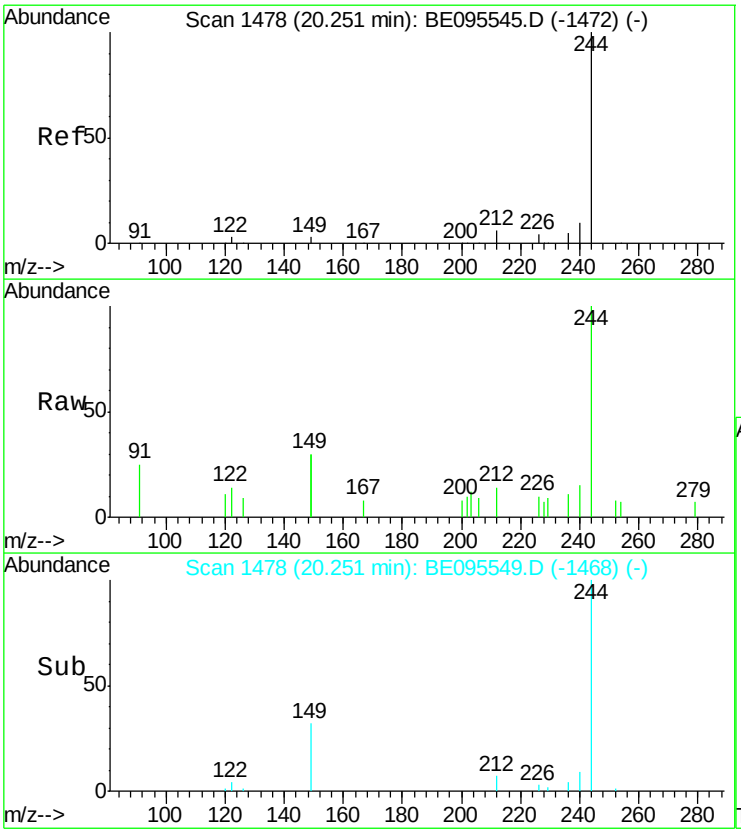
#28
Pyrene
Concen: 0.830 ng
RT: 20.06 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:202 Resp: 23735

Ion	Ratio	Lower	Upper
202	100		
200	17.7	16.6	25.0
203	18.7	13.8	20.8

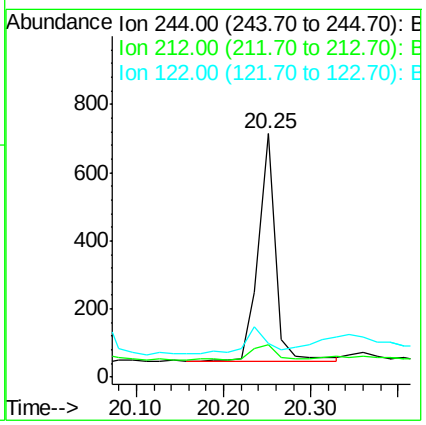


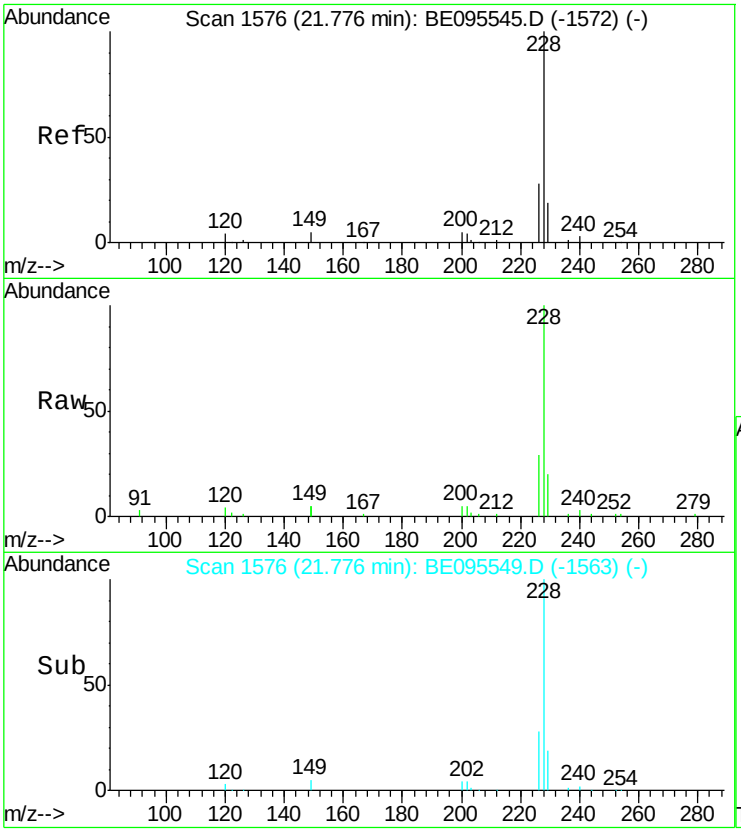


#29
Terphenyl-d14
Concen: 0.064 ng
RT: 20.25 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:244 Resp: 928

Ion	Ratio	Lower	Upper
244	100		
212	13.6	25.4	38.0#
122	13.9	8.1	12.1#



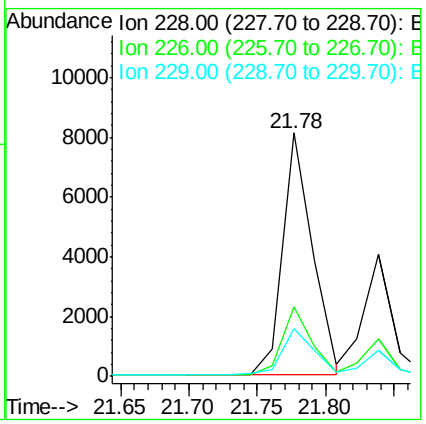


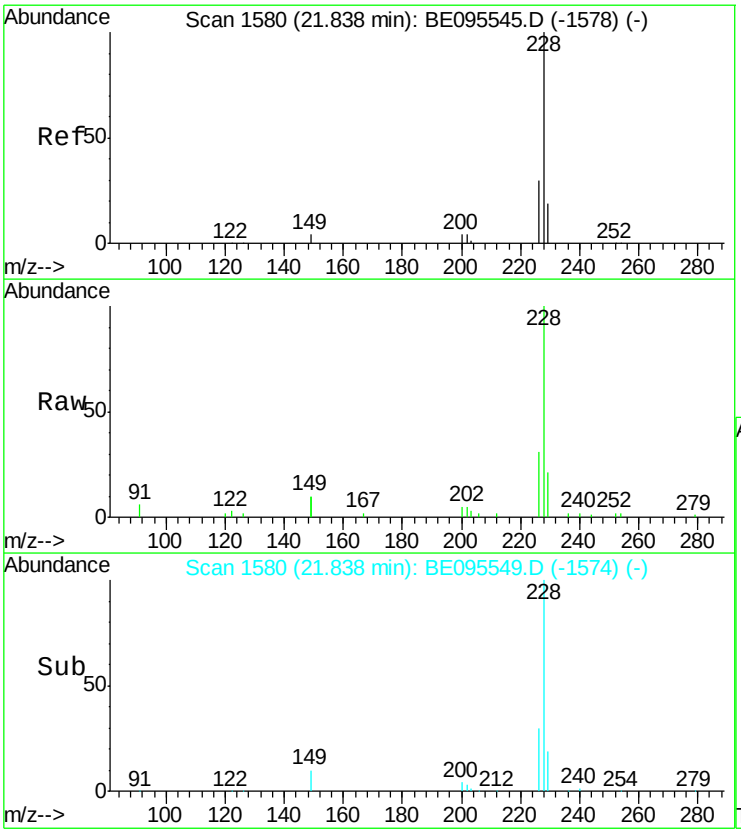
#30
Benzo(a)anthracene
Concen: 0.540 ng
RT: 21.78 min Scan# 1576
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:228 Resp: 12259

Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.0	36.0
229	19.6	16.0	24.0

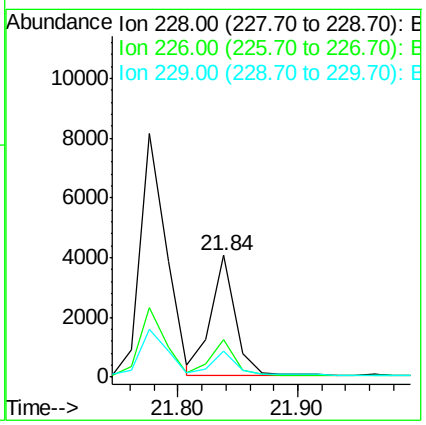


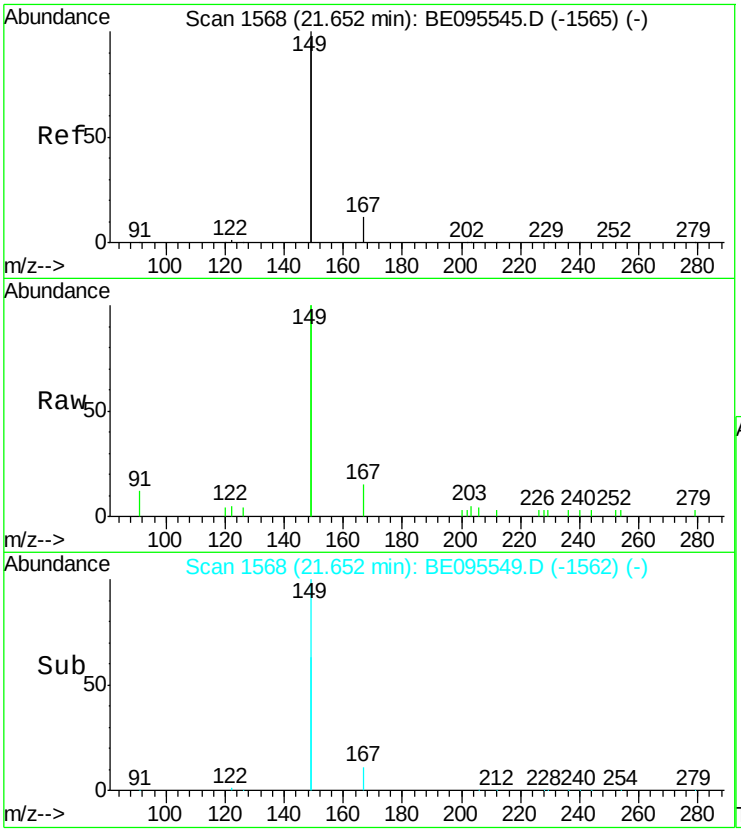


#31
Chrysene
Concen: 0.252 ng
RT: 21.84 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:228 Resp: 5643

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.0	36.0
229	20.9	16.0	24.0



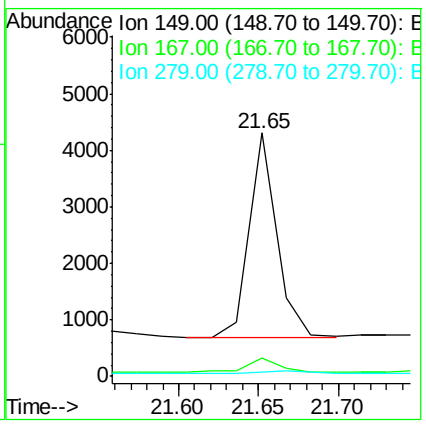


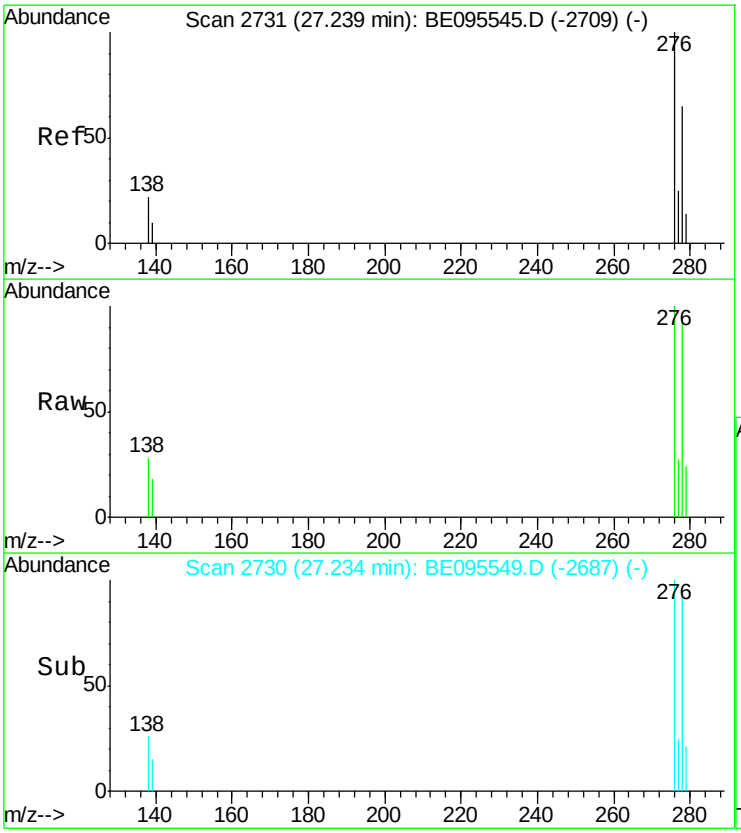
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.084 ng
RT: 21.65 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:149 Resp: 4392

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.4	8.0
279	1.4	0.7	1.1#

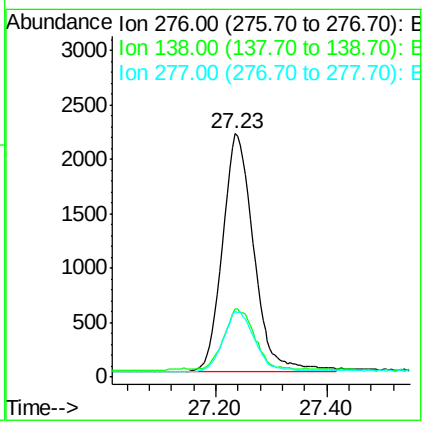


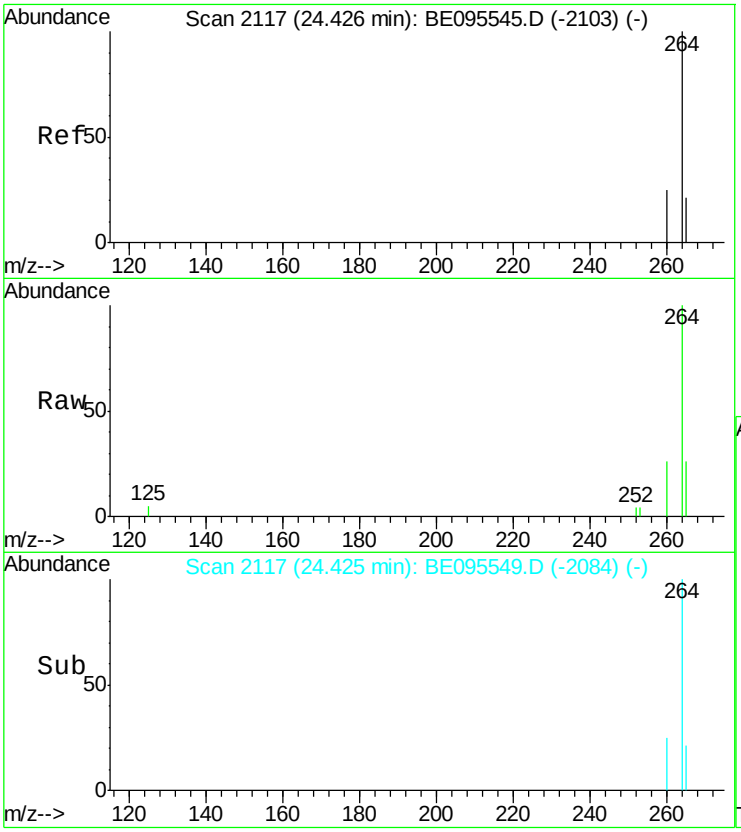


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.392 ng
RT: 27.23 min Scan# 2730
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:276 Resp: 8470

Ion	Ratio	Lower	Upper
276	100		
138	25.0	22.5	33.7
277	25.5	19.9	29.9



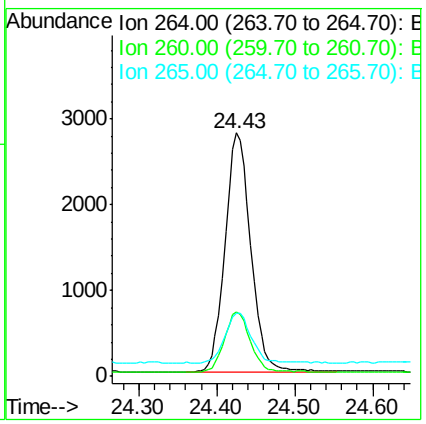


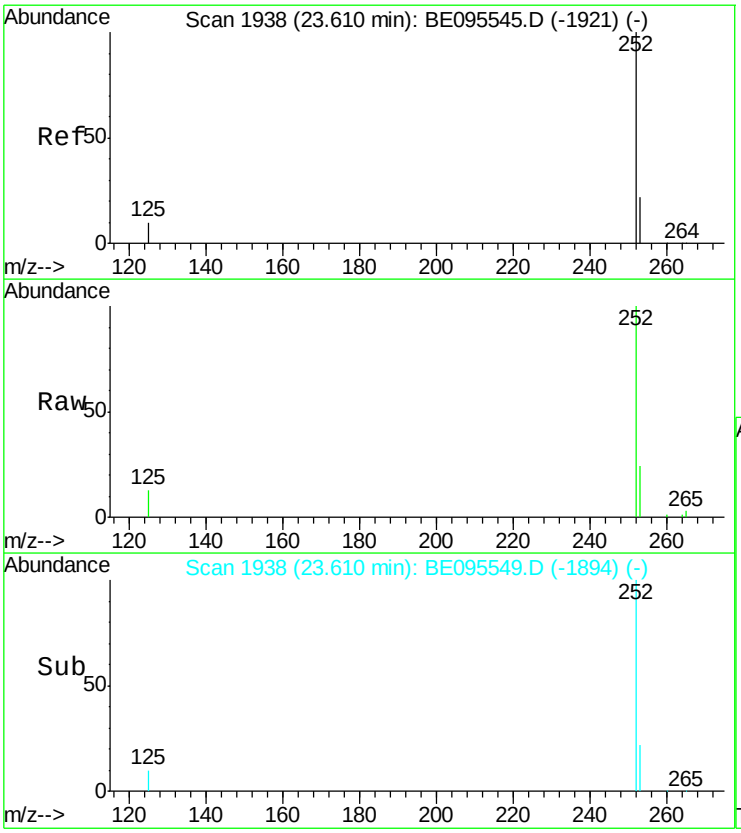
#34
Perylene-d12
Concen: 0.400 ng
RT: 24.43 min Scan# 2117
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:264 Resp: 6405

Ion	Ratio	Lower	Upper
264	100		
260	26.3	20.5	30.7
265	25.9	22.8	34.2

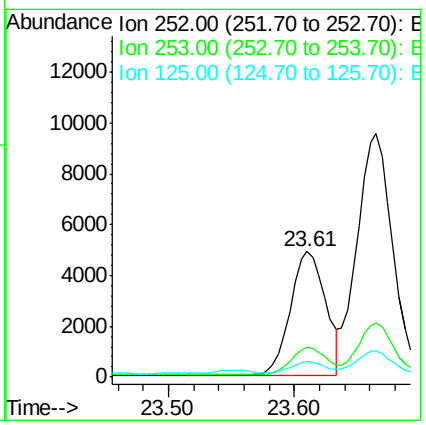


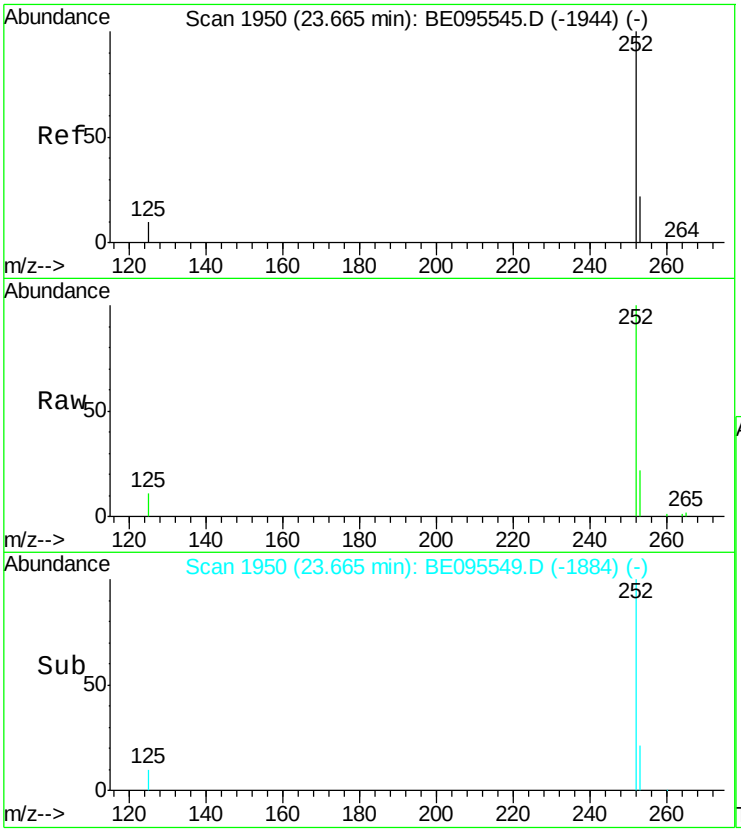


#35
Benzo(b)fluoranthene
Concen: 0.432 ng
RT: 23.61 min Scan# 1938
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:252 Resp: 9435

Ion	Ratio	Lower	Upper
252	100		
253	23.6	20.0	30.0
125	12.6	16.0	24.0#



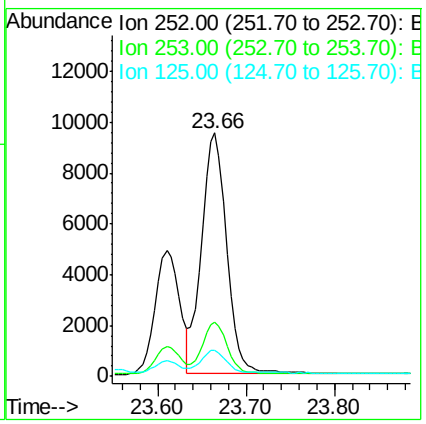


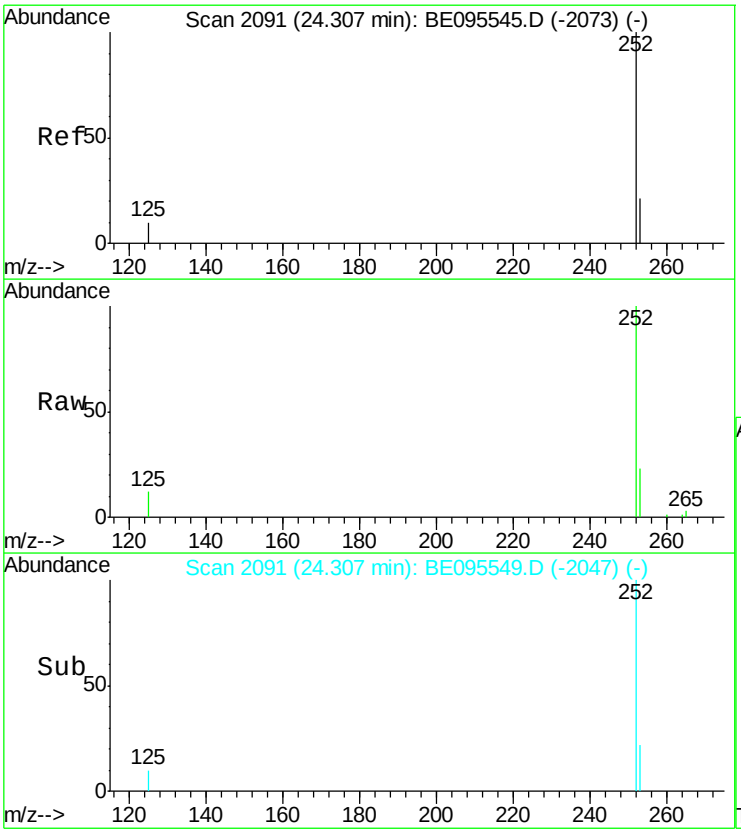
#36
Benzo(k)fluoranthene
Concen: 0.835 ng
RT: 23.66 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:252 Resp: 18740

Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.0	24.0
125	10.9	8.0	12.0

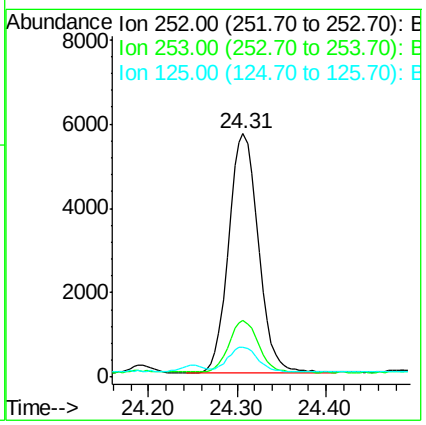


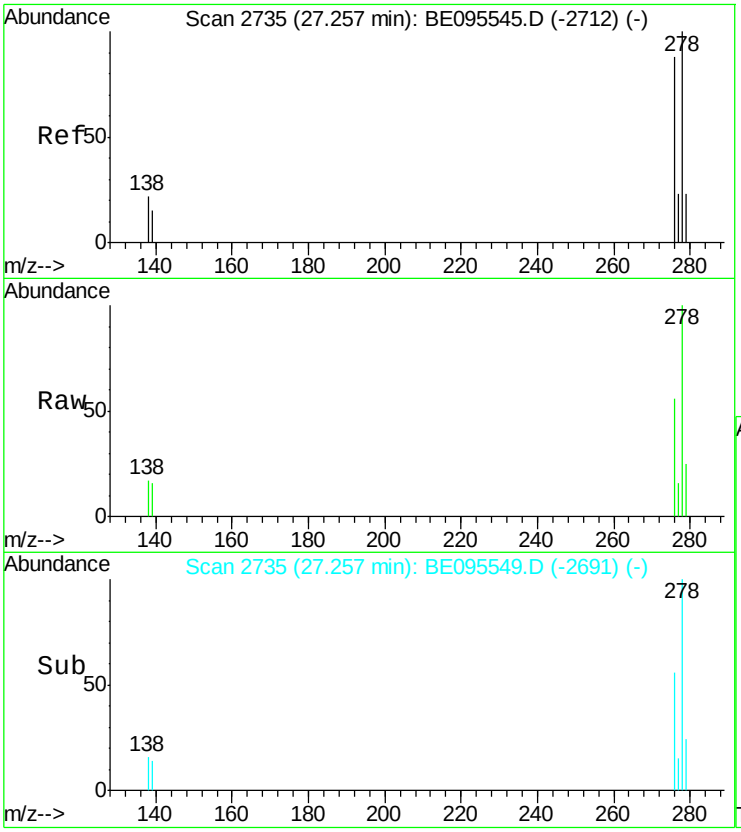


#37
Benzo(a)pyrene
Concen: 0.655 ng
RT: 24.31 min Scan# 2091
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:252 Resp: 13322

Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.0	24.0
125	12.3	12.0	18.0



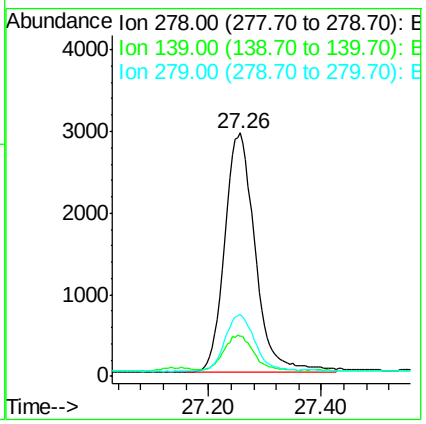


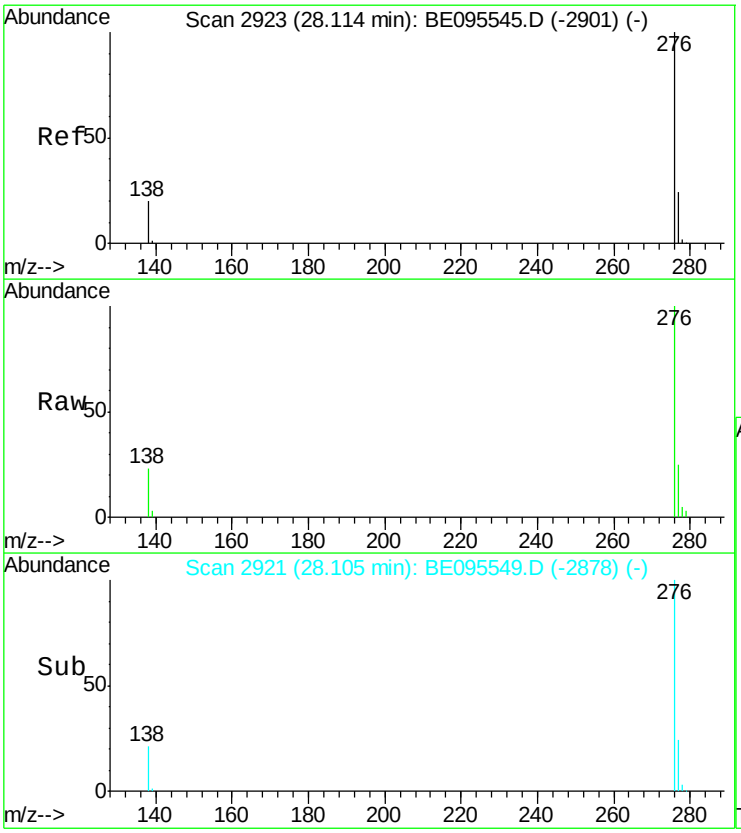
#38
Dibenzo(a,h)anthracene
Concen: 0.607 ng
RT: 27.26 min Scan# 2735
Delta R.T. 0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Instrument :
BNA_E
ClientSampleId :
1050DL

Tgt Ion:278 Resp: 10803

Ion	Ratio	Lower	Upper
278	100		
139	16.3	16.0	24.0
279	25.4	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.491 ng
RT: 28.10 min Scan# 2921
Delta R.T. -0.00 min
Lab File: BE095549.D
Acq: 7 Feb 2018 12:03

Tgt Ion:276 Resp: 9379

Ion	Ratio	Lower	Upper
276	100		
277	25.2	16.0	24.0#
138	23.2	20.0	30.0