Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051518\
Data File : BE096579.D
Acq On : 15 May 2018 15:35
Operator : SJ/JU
Sample : J2604-14DL 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: May 16 05:32:29 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE051518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 15 13:02:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	714	0.40	ng		0.00
7) Naphthalene-d8	11.17	136	2825	0.40	ng		-0.01
13) Acenaphthene-d10	14.92	164	1703	0.40	ng		0.00
19) Phenanthrene-d10	17.64	188	3764	0.40	ng		0.00
27) Chrysene-d12	21.73	240	3790	0.40	ng		0.00
34) Perylene-d12	24.33	264	3574	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.85	112	52	0.03	ng		0.00
5) Phenol-d6	7.51	99	87	0.03	ng		0.00
8) Nitrobenzene-d5	9.54	82	108	0.04	ng		0.01
11) 2-Methylnaphthalene-d10	12.71	152	170	0.04	ng		0.00
14) 2,4,6-Tribromophenol	16.40	330	30	0.04	ng		0.00
15) 2-Fluorobiphenyl	13.56	172	239	0.03	ng		0.00
25) Fluoranthene-d10	19.62	212	1772	0.04	ng		0.00
29) Terphenyl-d14	20.18	244	347	0.04	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	11.22	128	61008	2.053	ng		99
12) 2-Methylnaphthalene	12.78	142	4576	0.898	ng		94
16) Acenaphthylene	14.65	152	7809	0.878	ng		99
17) Acenaphthene	14.98	154	8578	1.584	ng		95
18) Fluorene	15.96	166	1494	0.222	ng	#	79
22) Pentachlorophenol	17.30	266	3	0.186	ng		94
23) Phenanthrene	17.67	178	16886	1.598	ng		99
24) Anthracene	17.77	178	13746	1.398	ng	#	94
26) Fluoranthene	19.65	202	4833	0.382	ng	#	96
28) Pyrene	20.00	202	4698	0.687	ng		97
30) Benzo(a)anthracene	21.72	228	10928	0.938	ng		96
31) Chrysene	21.77	228	8323	0.686	ng		98
32) Bis(2-ethylhexyl)phthalate	21.58	149	3843	0.154	ng	#	99
33) Indeno(1,2,3-cd)pyrene	27.10	276	4992	0.429	ng	#	94
35) Benzo(b)fluoranthene	23.52	252	8070	0.732	ng	#	89
36) Benzo(k)fluoranthene	23.52	252	8070	0.691	ng		95
37) Benzo(a)pyrene	24.21	252	9461	0.898	ng	#	91
38) Dibenzo(a,h)anthracene	27.11	278	4737	0.492	ng		97
39) Benzo(g,h,i)perylene	27.96	276	8159	0.809	ng	#	89

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

Quantitation Report (Not Reviewed)

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Acq On : 15 May 2018 15:35
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
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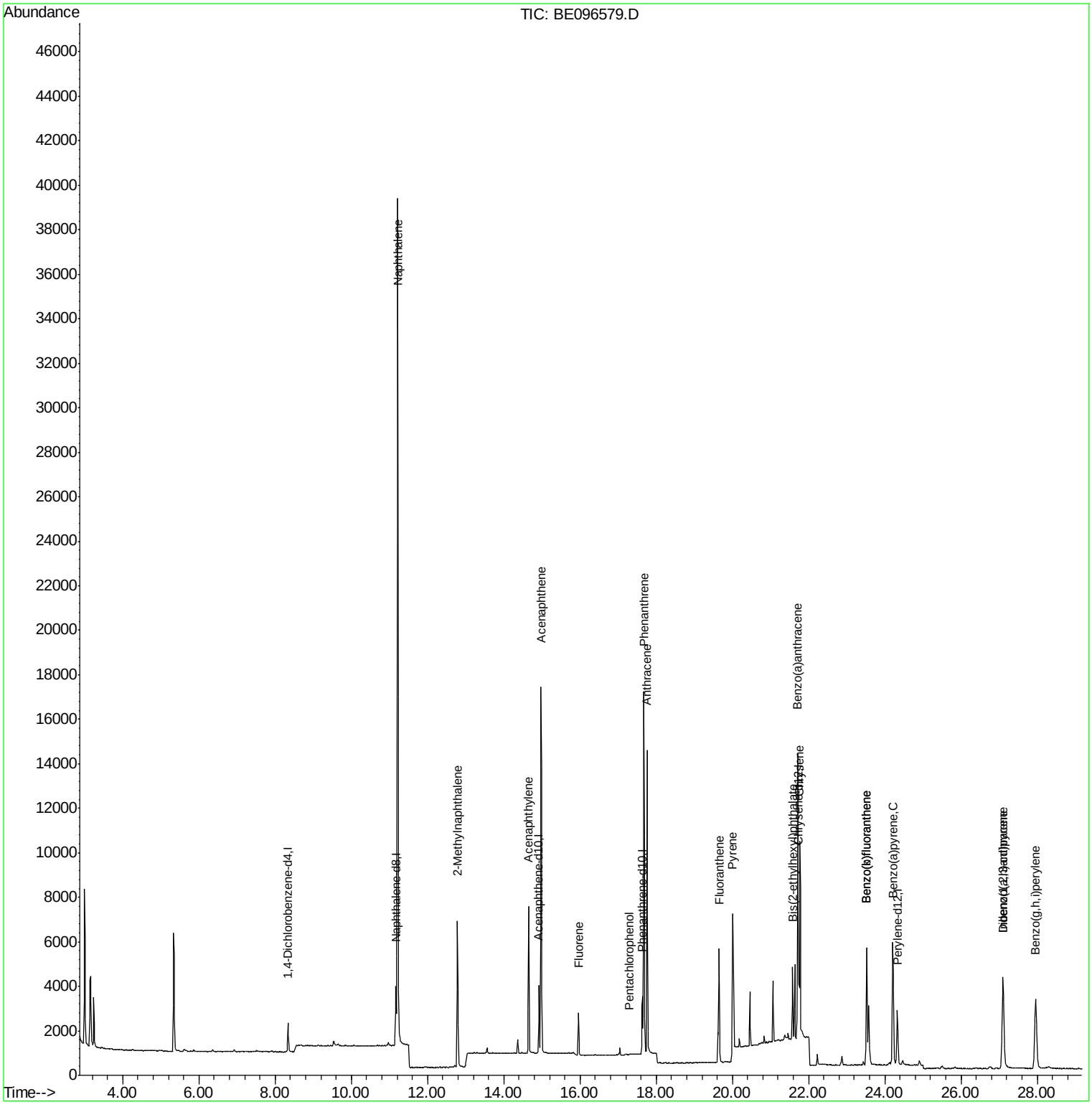
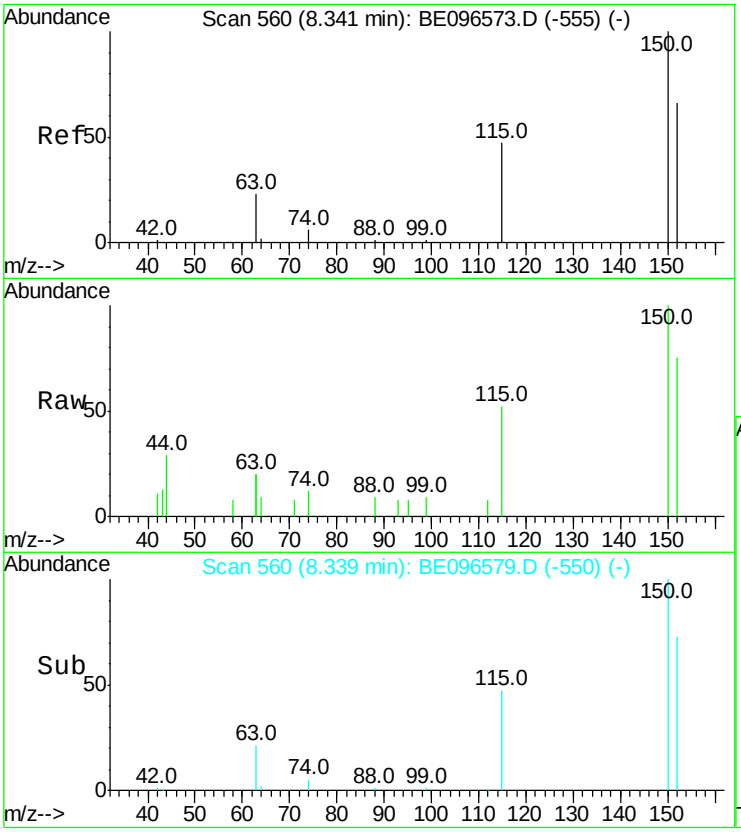
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 15 13:02:03 2018
Response via : Initial Calibration



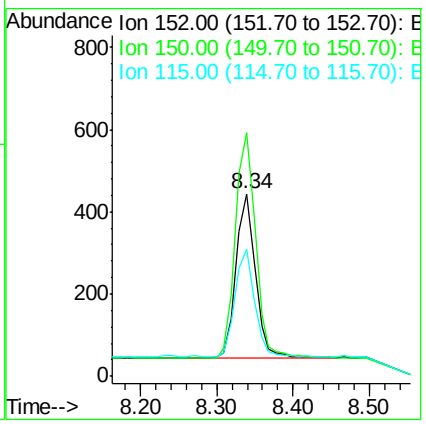


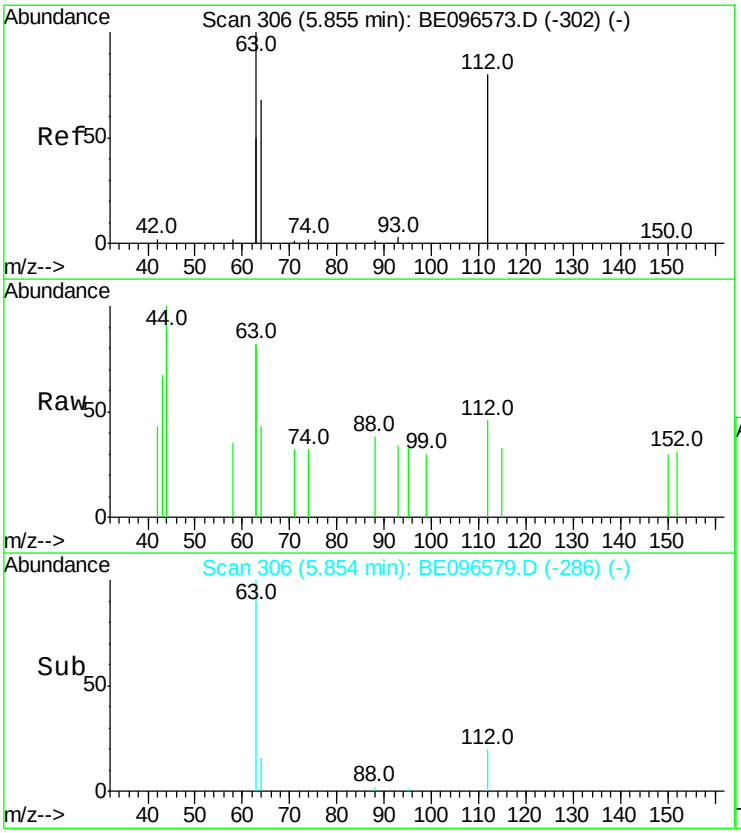
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.34 min Scan# 560
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 714

Ion	Ratio	Lower	Upper
152	100		
150	133.3	117.2	175.8
115	69.6	57.0	85.6

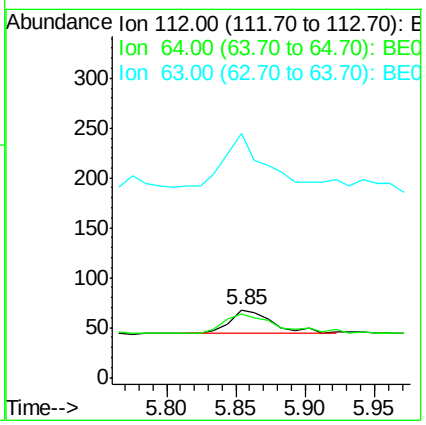


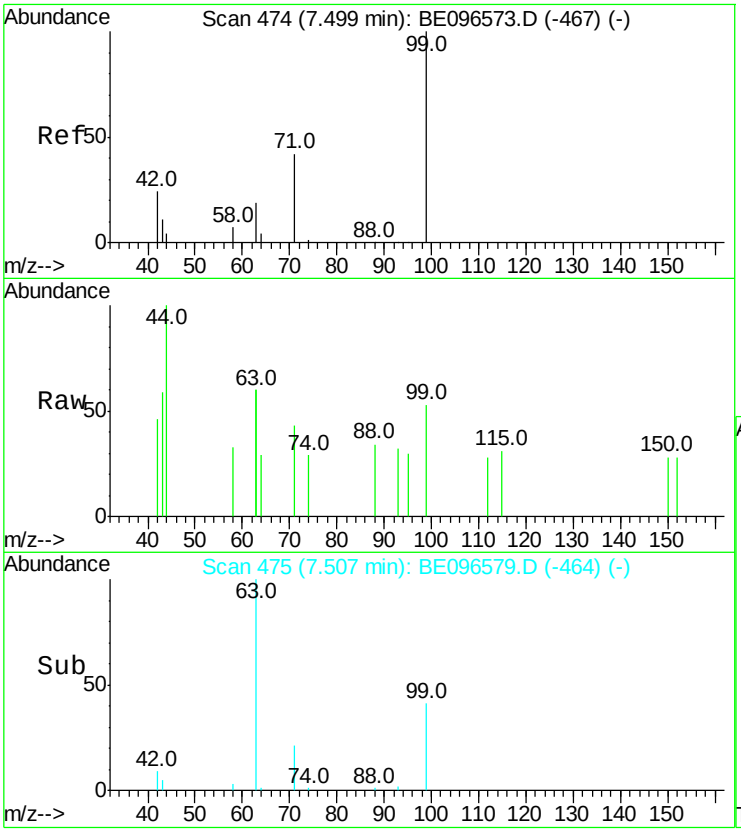


#4
2-Fluorophenol
Concen: 0.026 ng
RT: 5.85 min Scan# 306
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:112 Resp: 52

Ion	Ratio	Lower	Upper
112	100		
64	105.8	60.1	90.1#
63	225.0	116.8	175.2#



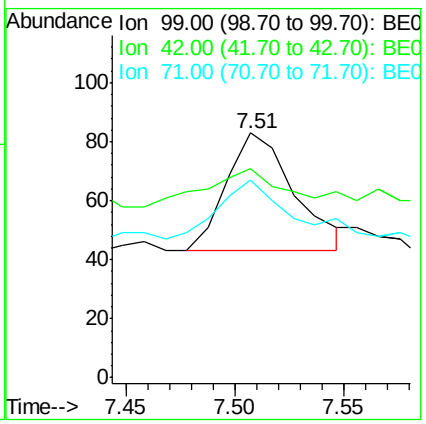


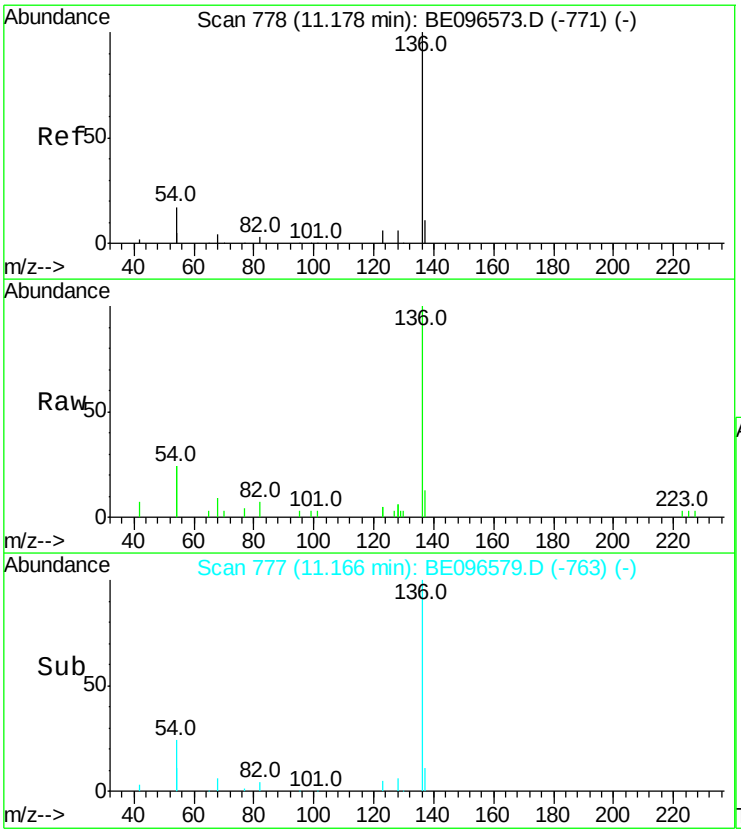
#5
Phenol-d6
Concen: 0.031 ng
RT: 7.51 min Scan# 475
Delta R.T. 0.01 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 87

Ion	Ratio	Lower	Upper
99	100		
42	35.6	20.2	30.2#
71	52.9	28.4	42.6#

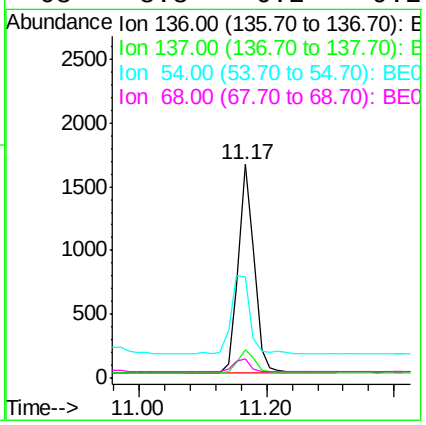


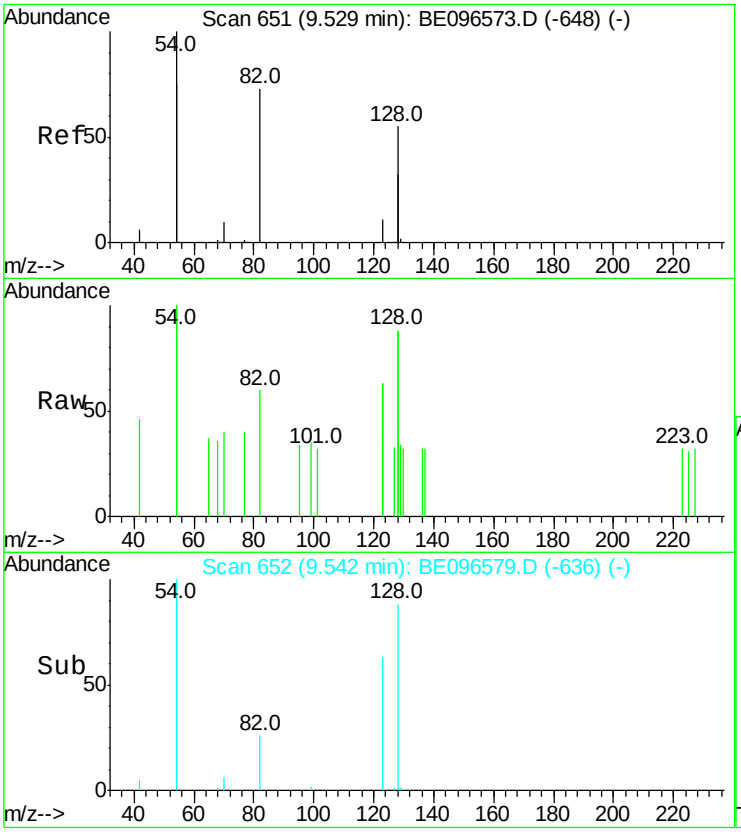


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.17 min Scan# 777
Delta R.T. -0.01 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:136 Resp: 2825

Ion	Ratio	Lower	Upper
136	100		
137	13.0	9.5	14.3
54	47.4	29.1	43.7#
68	8.8	6.2	9.2



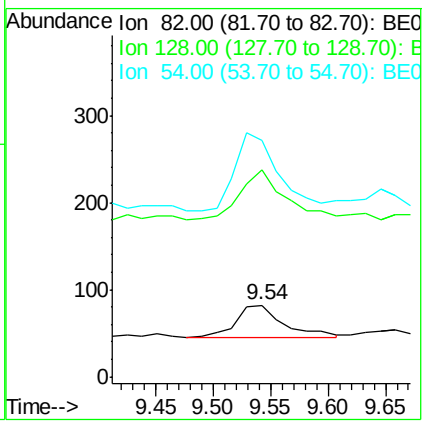


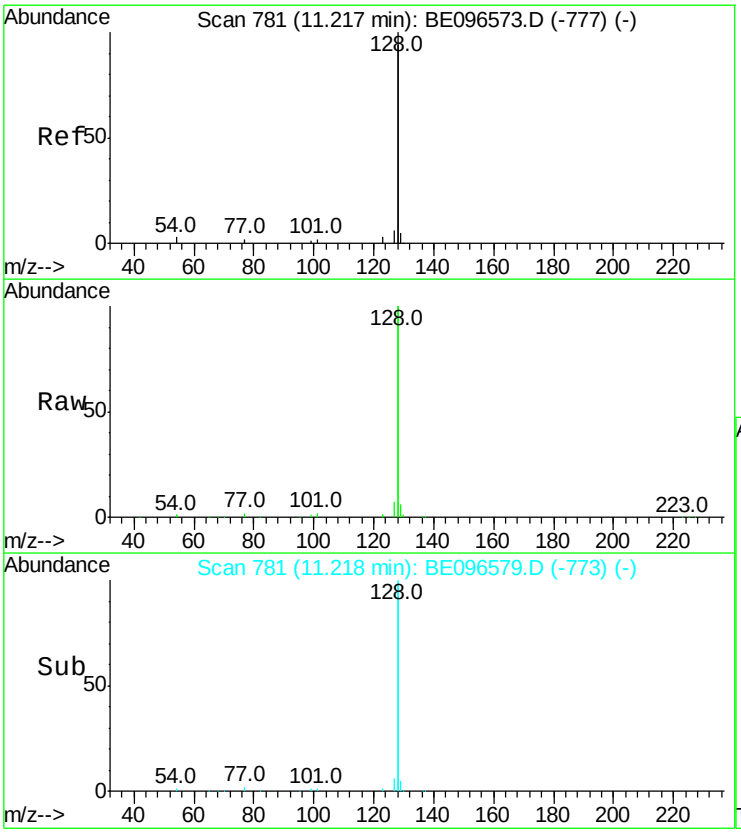
#8
Nitrobenzene-d5
Concen: 0.036 ng
RT: 9.54 min Scan# 652
Delta R.T. 0.01 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 82 Resp: 108

Ion	Ratio	Lower	Upper
82	100		
128	290.2	150.0	225.0#
54	331.7	154.2	231.4#

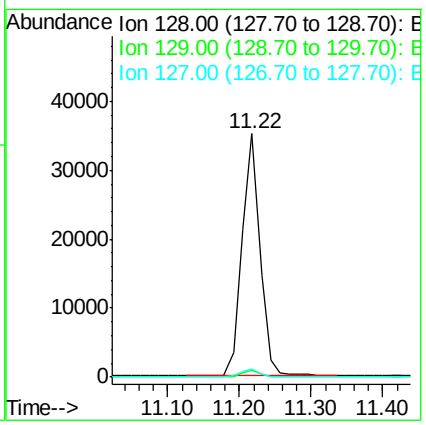


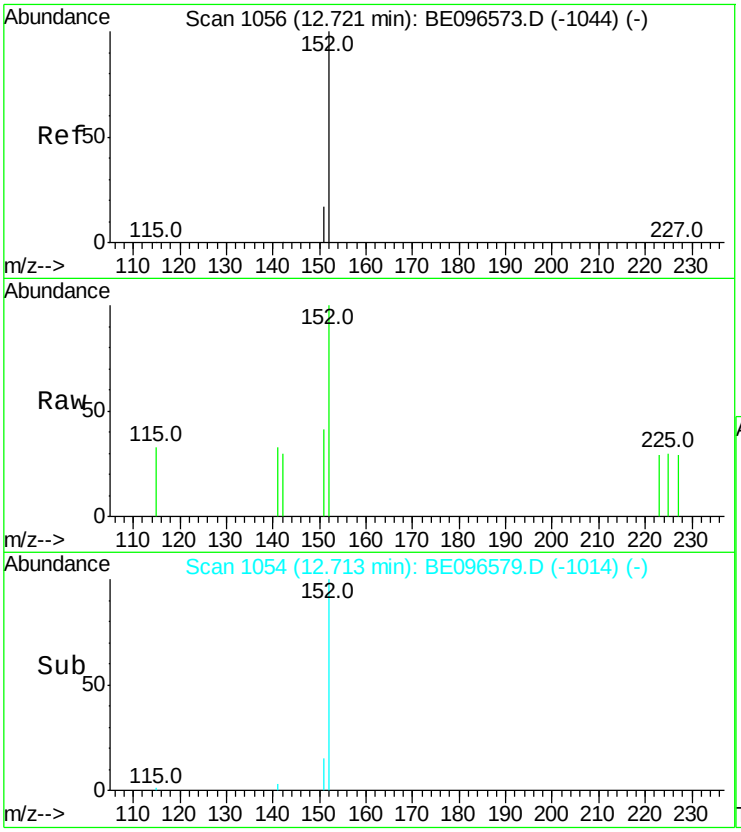


#9
Naphthalene
Concen: 2.053 ng
RT: 11.22 min Scan# 781
Delta R.T. 0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:128 Resp: 61008

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	3.8
127	3.4	2.8	4.2



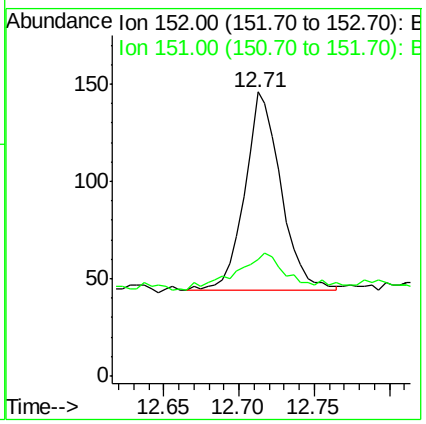


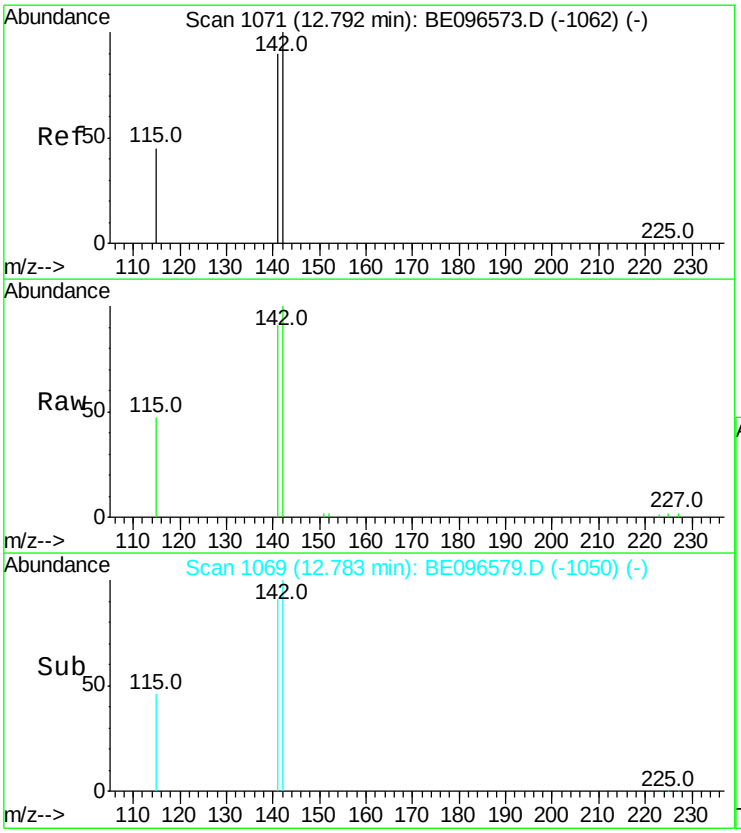
#11
2-Methylnaphthalene-d10
Concen: 0.037 ng
RT: 12.71 min Scan# 1054
Delta R.T. -0.01 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 170

Ion	Ratio	Lower	Upper
152	100		
151	25.9	15.4	23.0#

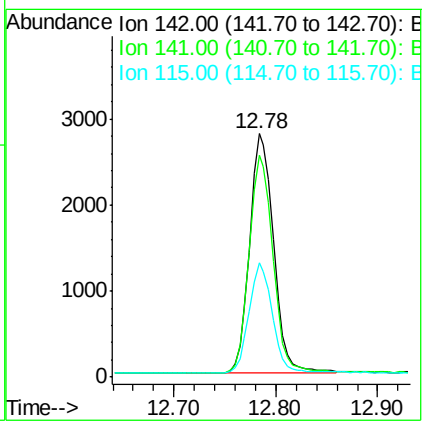


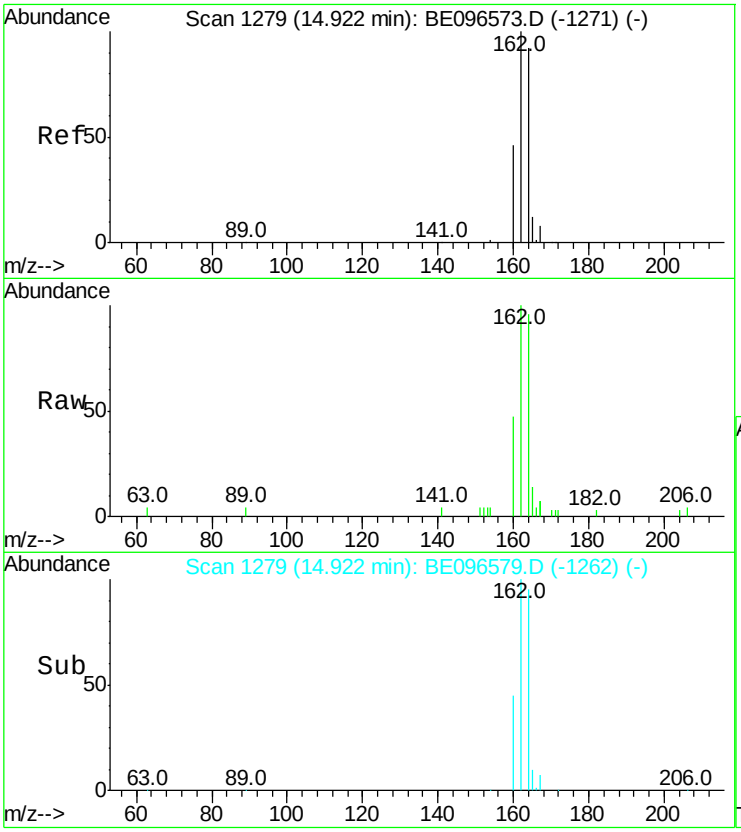


#12
2-Methylnaphthalene
Concen: 0.898 ng
RT: 12.78 min Scan# 1069
Delta R.T. -0.01 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:142 Resp: 4576

Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.4	105.6
115	46.8	31.7	47.5



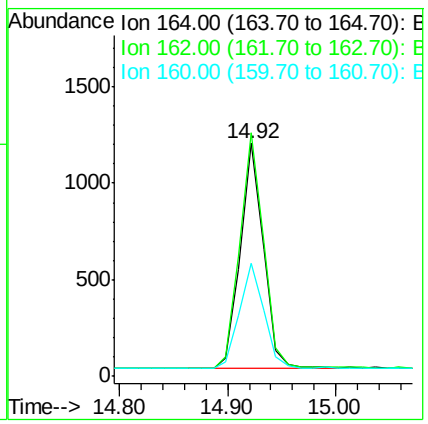


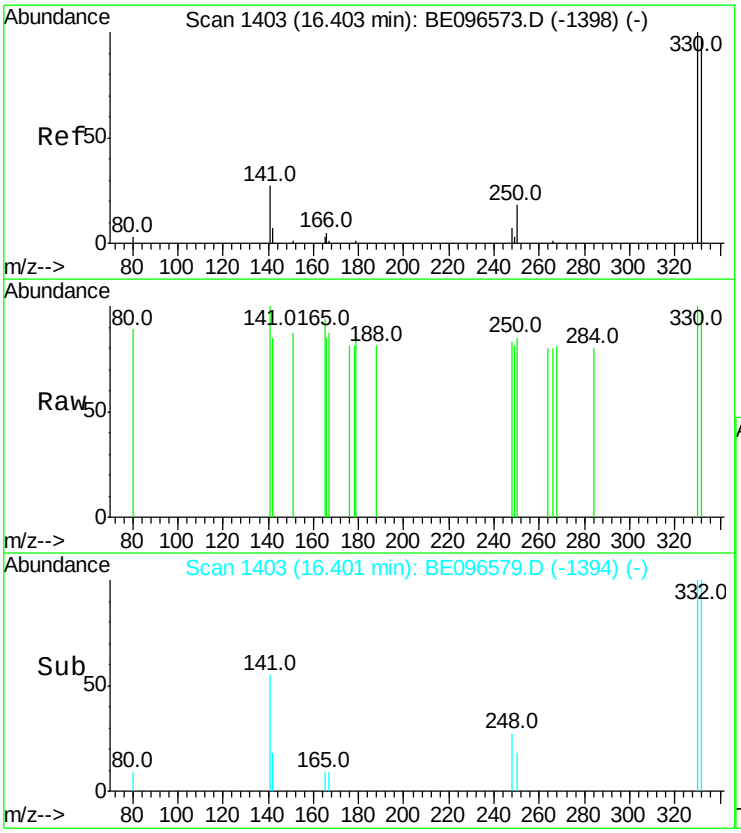
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.92 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 1703

Ion	Ratio	Lower	Upper
164	100		
162	104.6	83.1	124.7
160	48.7	37.1	55.7

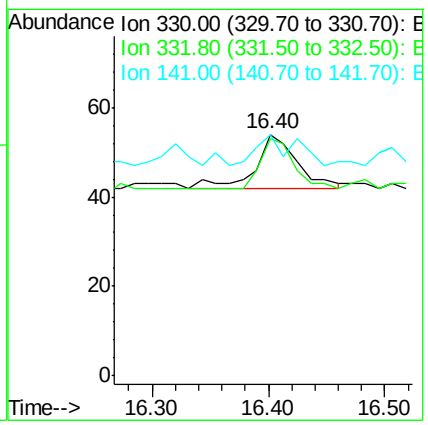


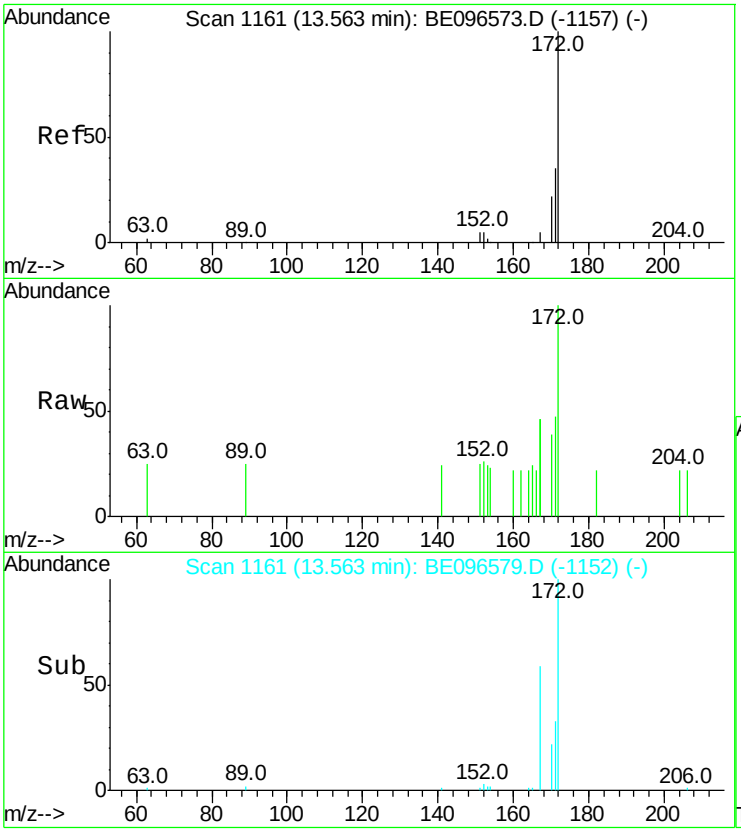


#14
2,4,6-Tribromophenol
Concen: 0.045 ng
RT: 16.40 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:330 Resp: 30

Ion	Ratio	Lower	Upper
330	100		
332	73.3	152.7	229.1#
141	53.3	33.7	50.5#



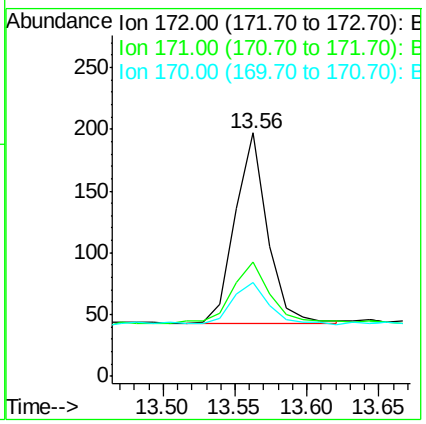


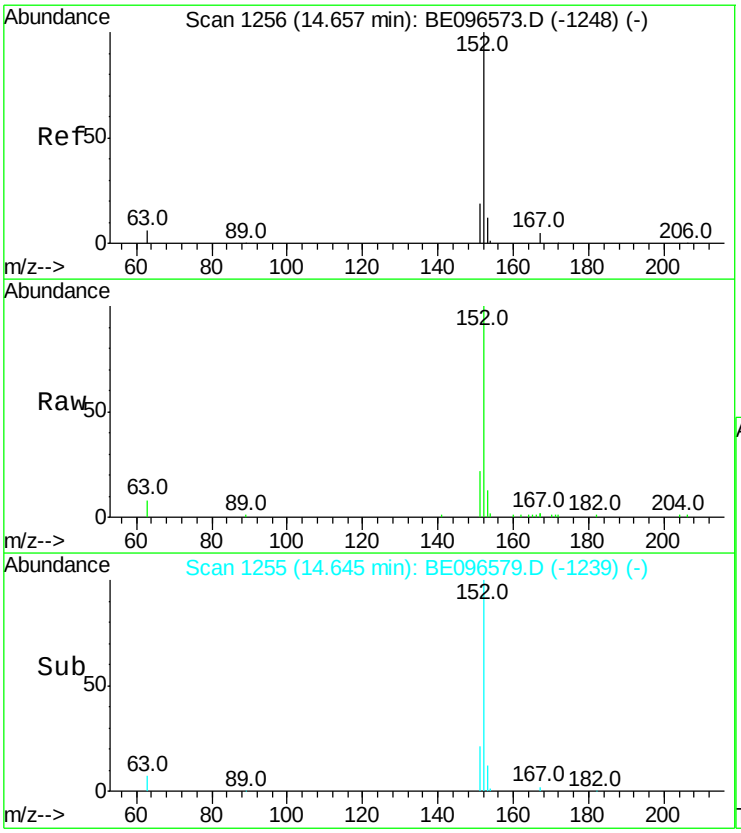
#15
2-Fluorobiphenyl
Concen: 0.033 ng
RT: 13.56 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 239

Ion	Ratio	Lower	Upper
172	100		
171	47.2	29.9	44.9#
170	38.6	21.8	32.8#

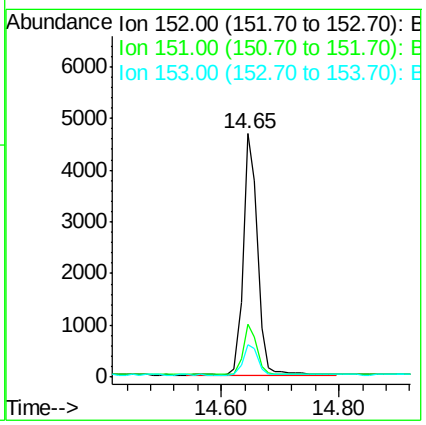


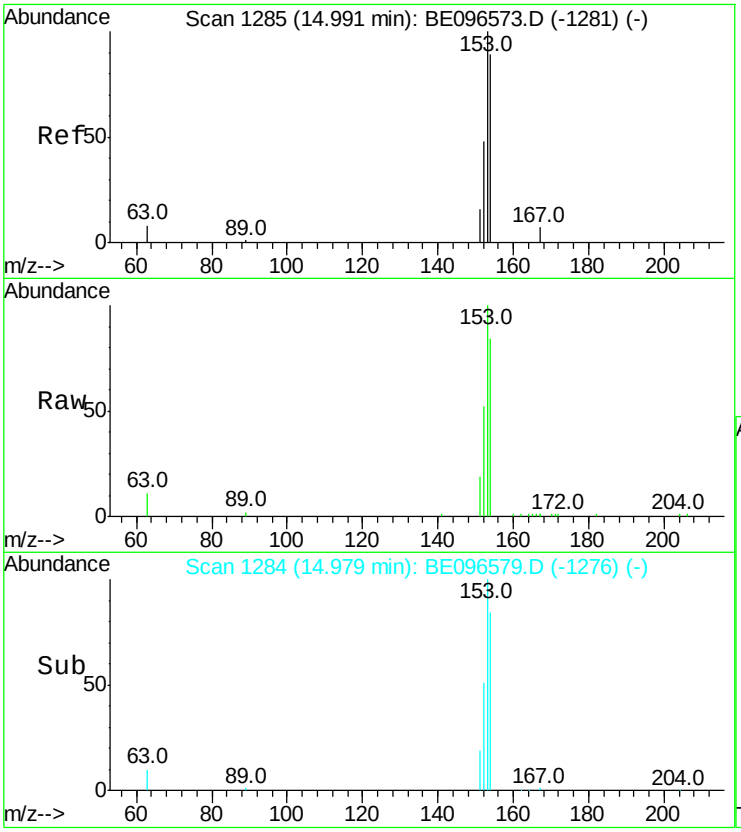


#16
Acenaphthylene
Concen: 0.878 ng
RT: 14.65 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:152 Resp: 7809

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	12.8	10.5	15.7



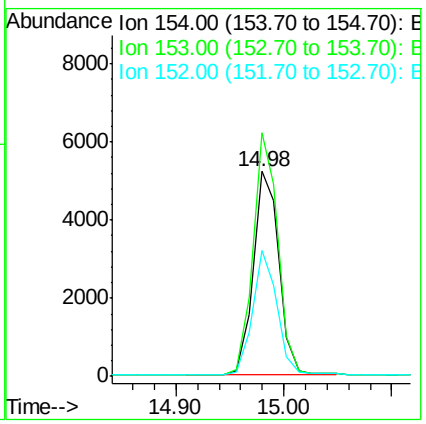


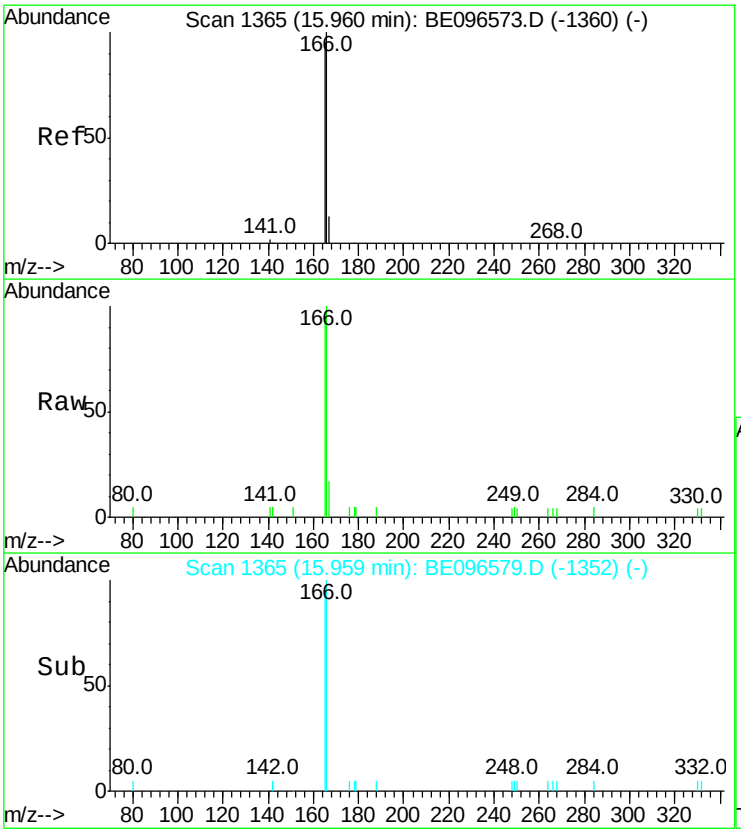
#17
Acenaphthene
Concen: 1.584 ng
RT: 14.98 min Scan# 1284
Delta R.T. -0.01 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 8578

Ion	Ratio	Lower	Upper
154	100		
153	115.6	89.2	133.8
152	57.7	42.0	63.0

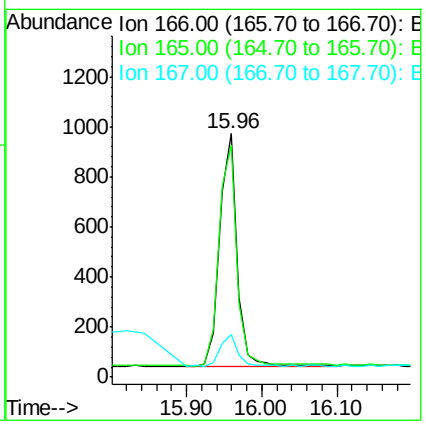


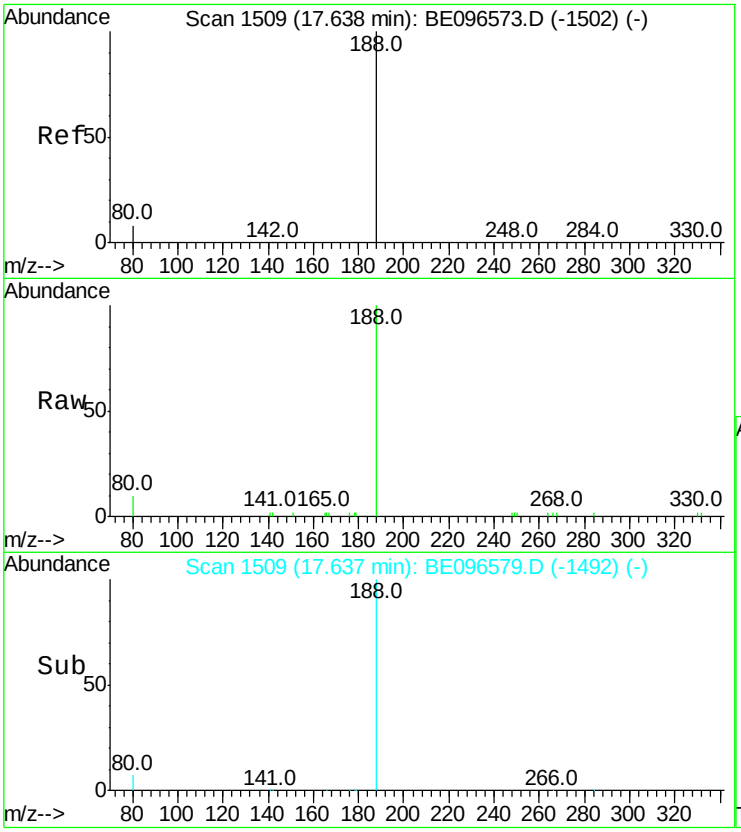


#18
Fluorene
Concen: 0.222 ng
RT: 15.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:166 Resp: 1494

Ion	Ratio	Lower	Upper
166	100		
165	99.4	77.8	116.6
167	13.1	42.4	63.6#



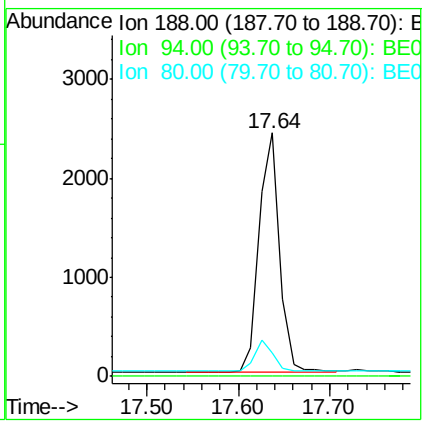


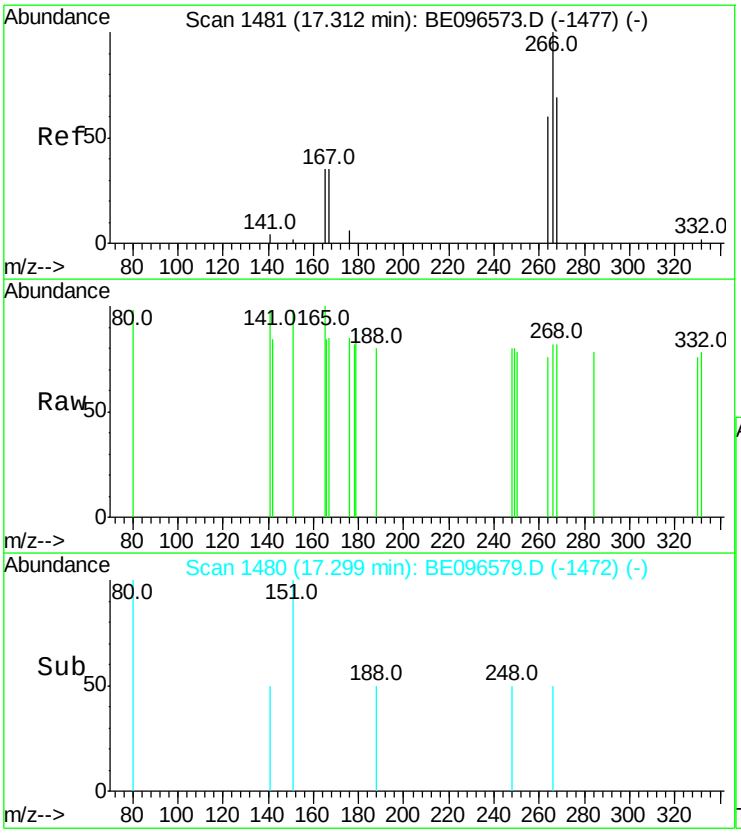
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.64 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 3764

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.5	3.6	5.4#

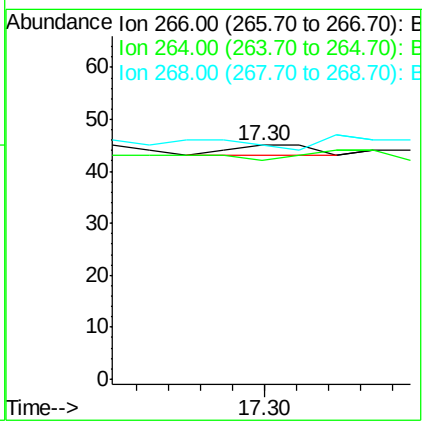


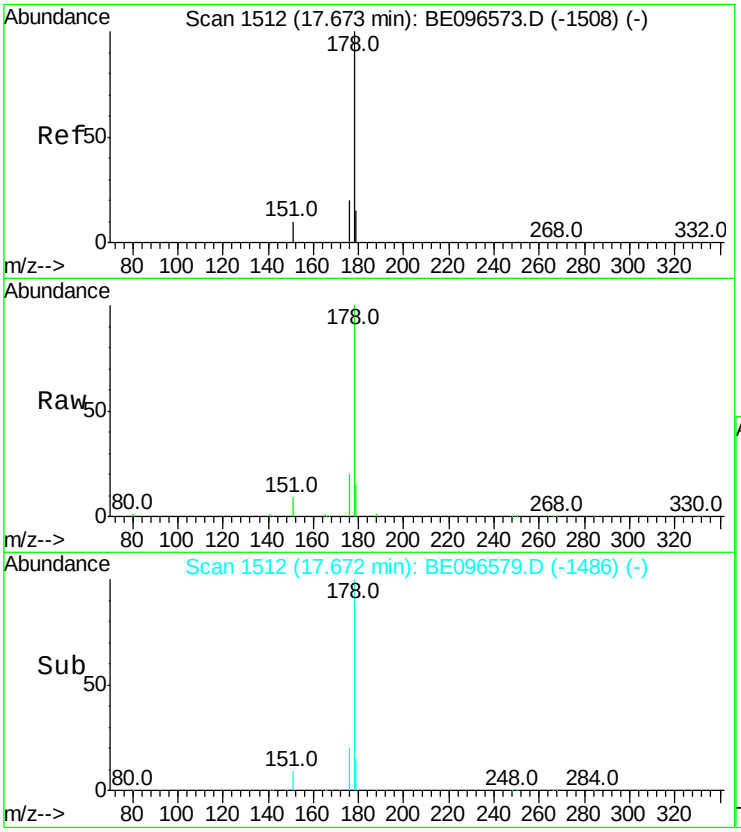


#22
Pentachlorophenol
Concen: 0.186 ng
RT: 17.30 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:266 Resp: 3

Ion	Ratio	Lower	Upper
266	100		
264	93.3	72.5	108.7
268	100.0	73.8	110.6



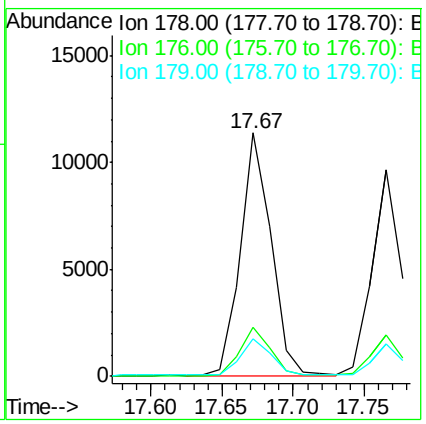


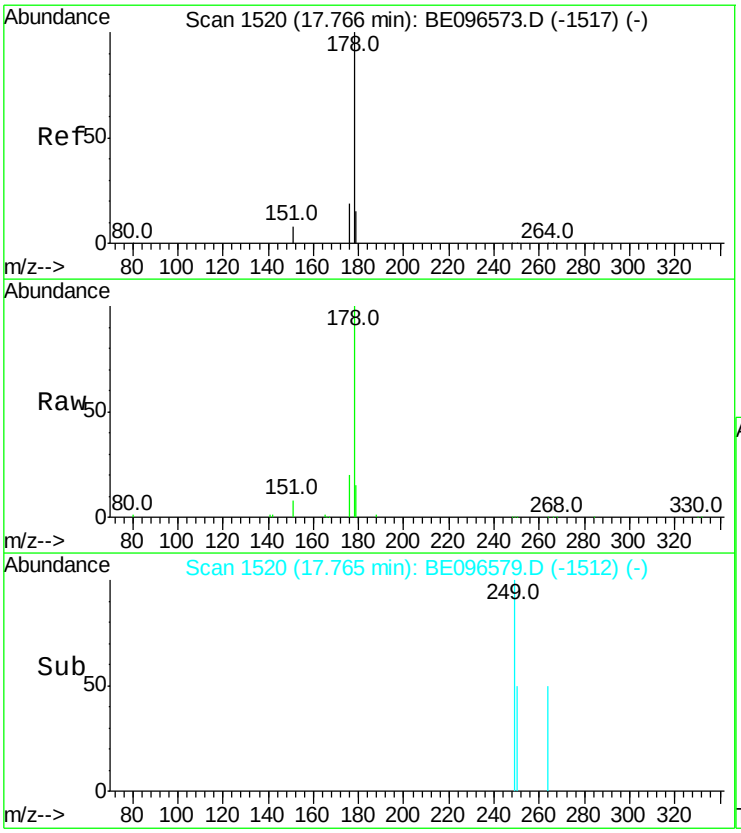
#23
Phenanthrene
Concen: 1.598 ng
RT: 17.67 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 16886

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	15.1	11.8	17.6

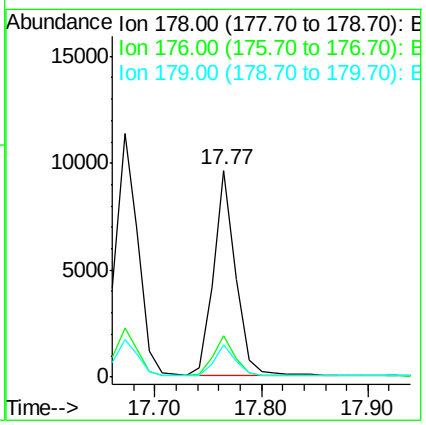


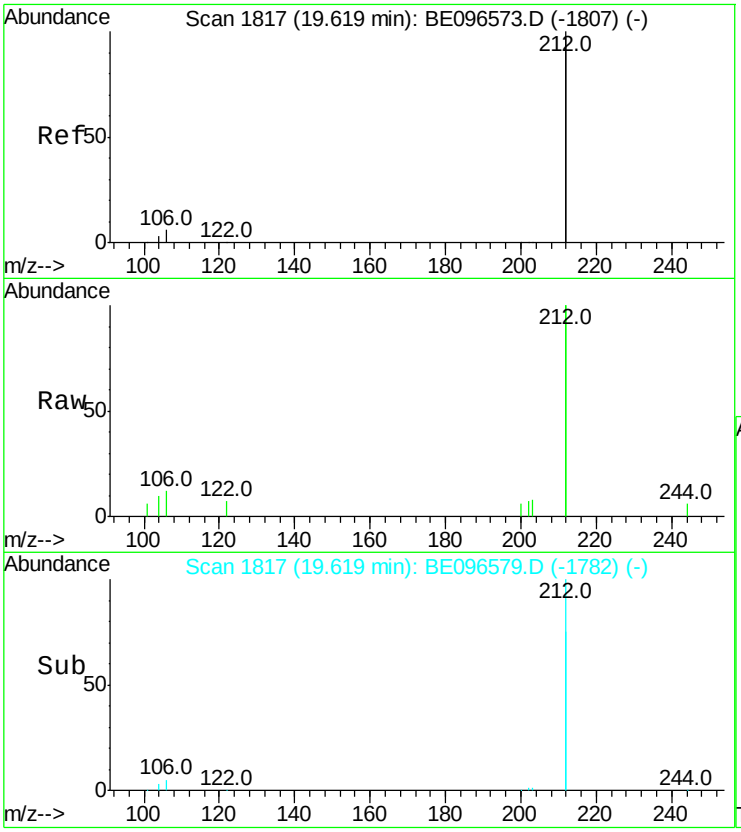


#24
Anthracene
Concen: 1.398 ng
RT: 17.77 min Scan# 1520
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:178 Resp: 13746

Ion	Ratio	Lower	Upper
178	100		
176	19.4	12.8	19.2#
179	15.0	13.0	19.6



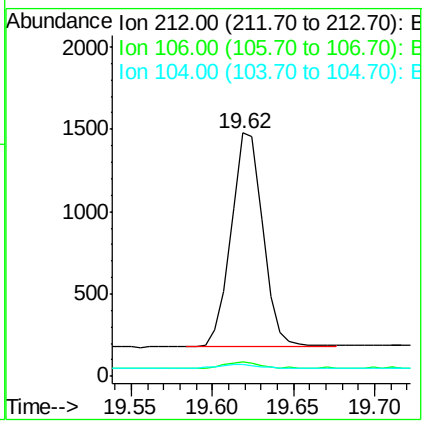


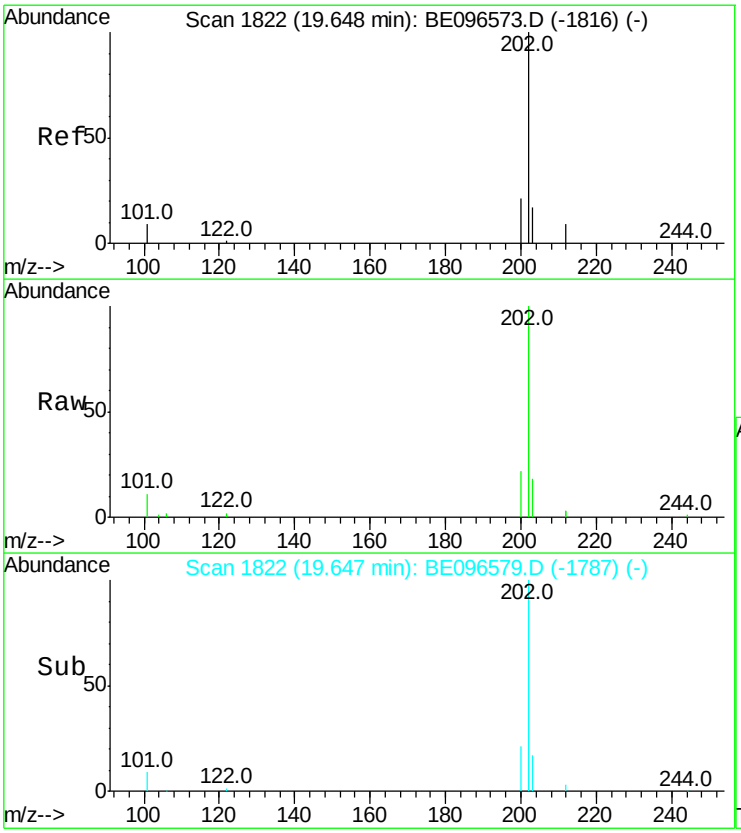
#25
Fluoranthene-d10
Concen: 0.039 ng
RT: 19.62 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 1772

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.8	4.2
104	2.3	1.6	2.4

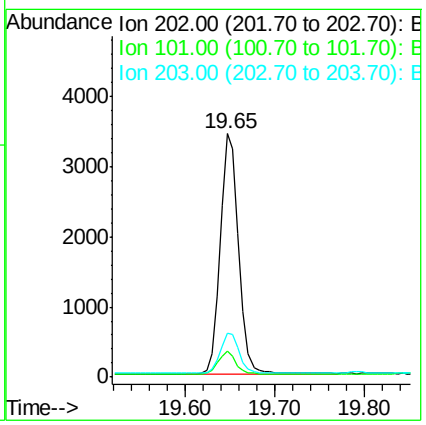


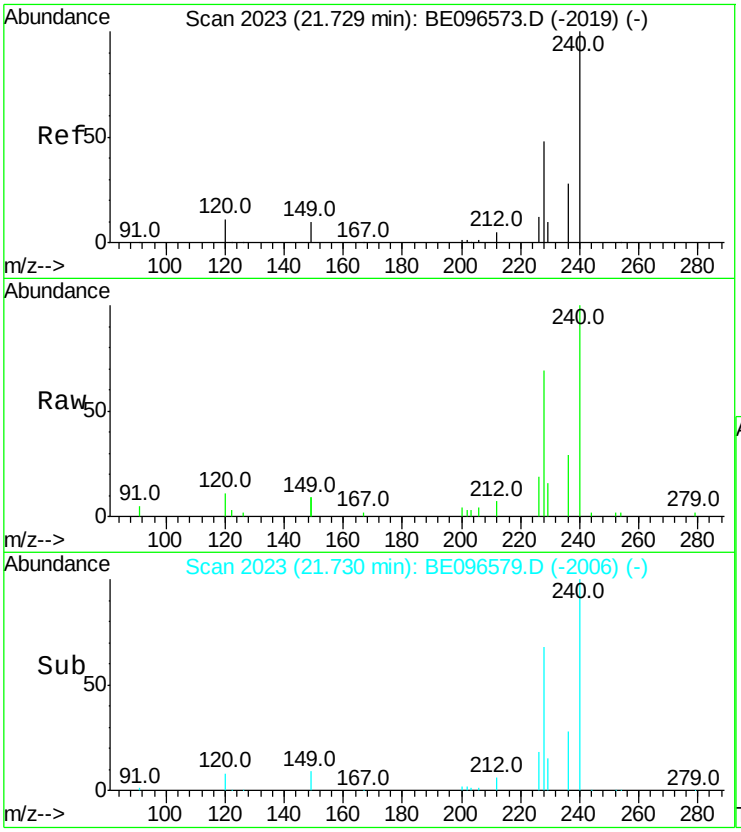


#26
Fluoranthene
Concen: 0.382 ng
RT: 19.65 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:202 Resp: 4833

Ion	Ratio	Lower	Upper
202	100		
101	8.8	9.8	14.8#
203	17.2	13.7	20.5



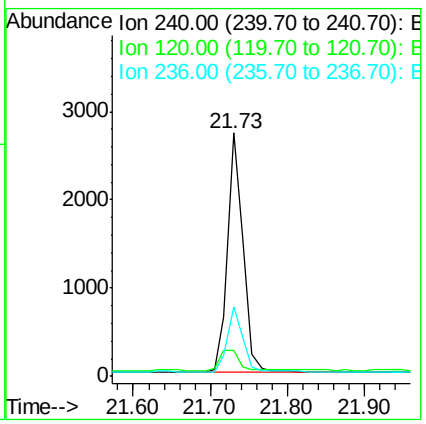


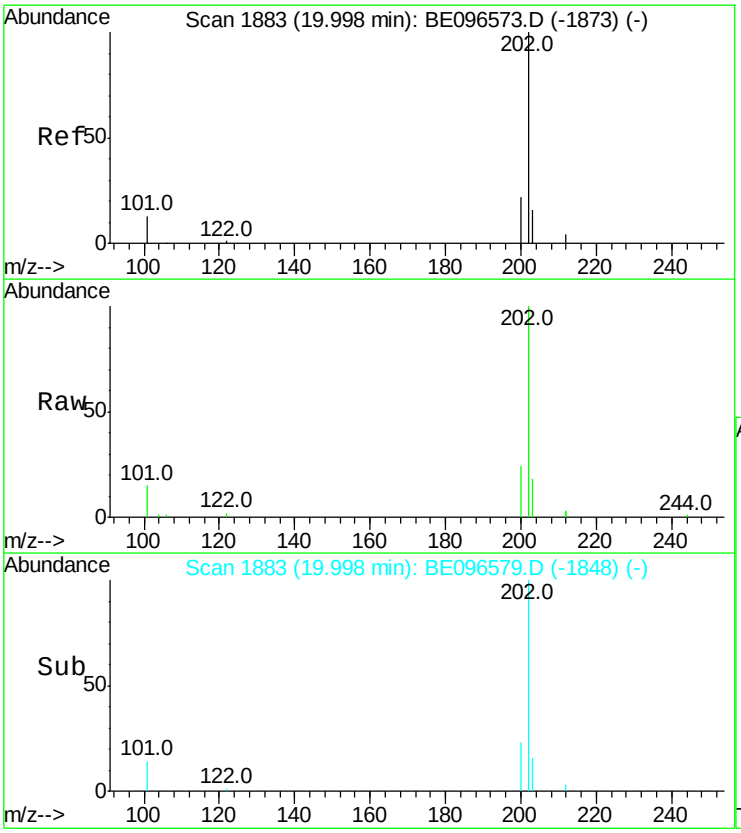
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.73 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 3790

Ion	Ratio	Lower	Upper
240	100		
120	10.7	5.5	8.3#
236	28.8	20.7	31.1

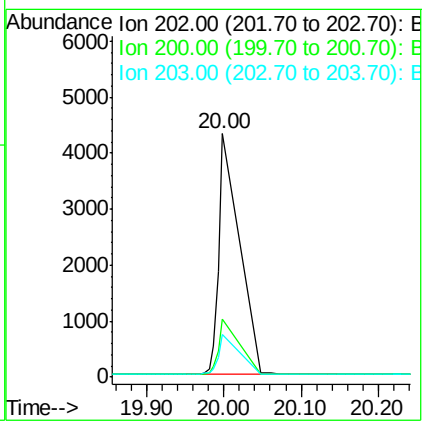


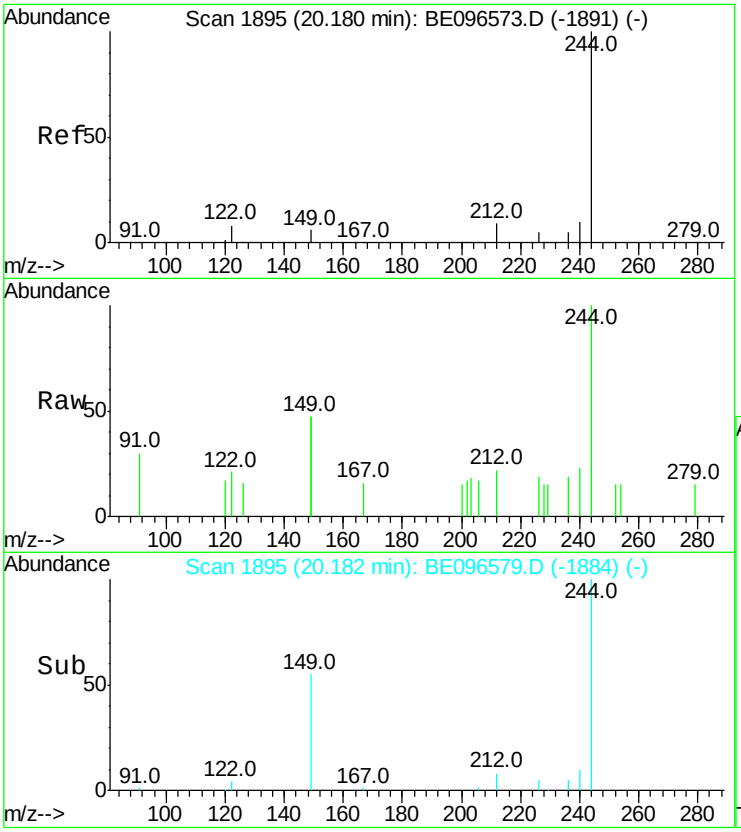


#28
Pyrene
Concen: 0.687 ng
RT: 20.00 min Scan# 1883
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:202 Resp: 4698

Ion	Ratio	Lower	Upper
202	100		
200	23.5	16.6	25.0
203	17.4	13.8	20.8



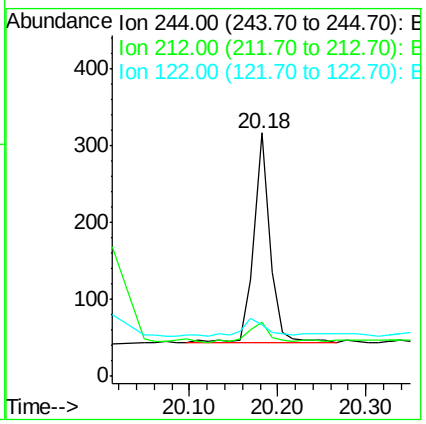


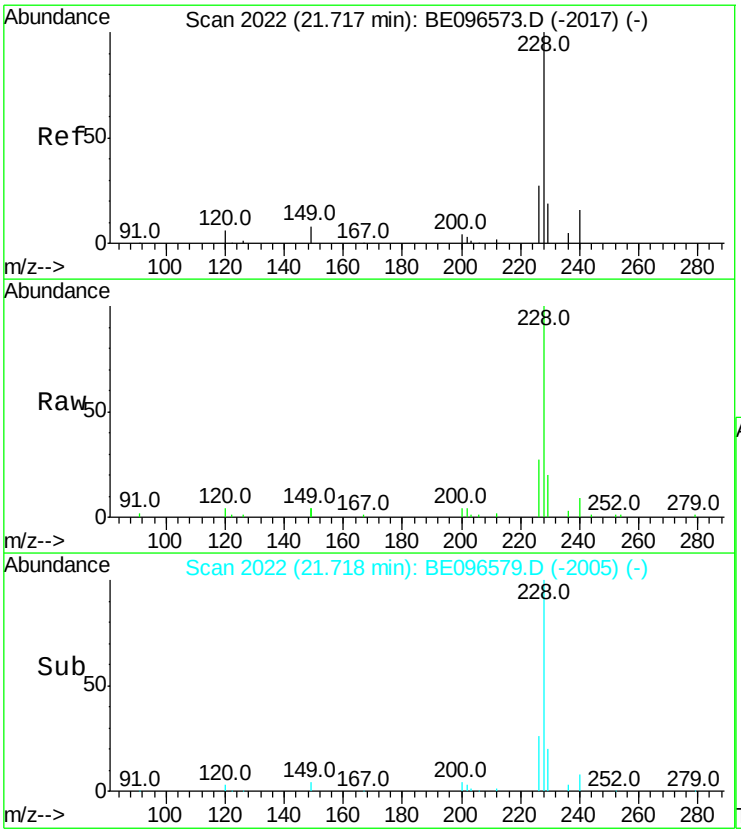
#29
Terphenyl-d14
Concen: 0.040 ng
RT: 20.18 min Scan# 1895
Delta R.T. 0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 347

Ion	Ratio	Lower	Upper
244	100		
212	22.1	25.4	38.0#
122	20.8	8.1	12.1#

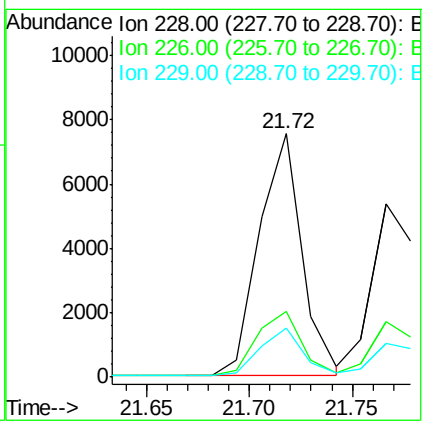


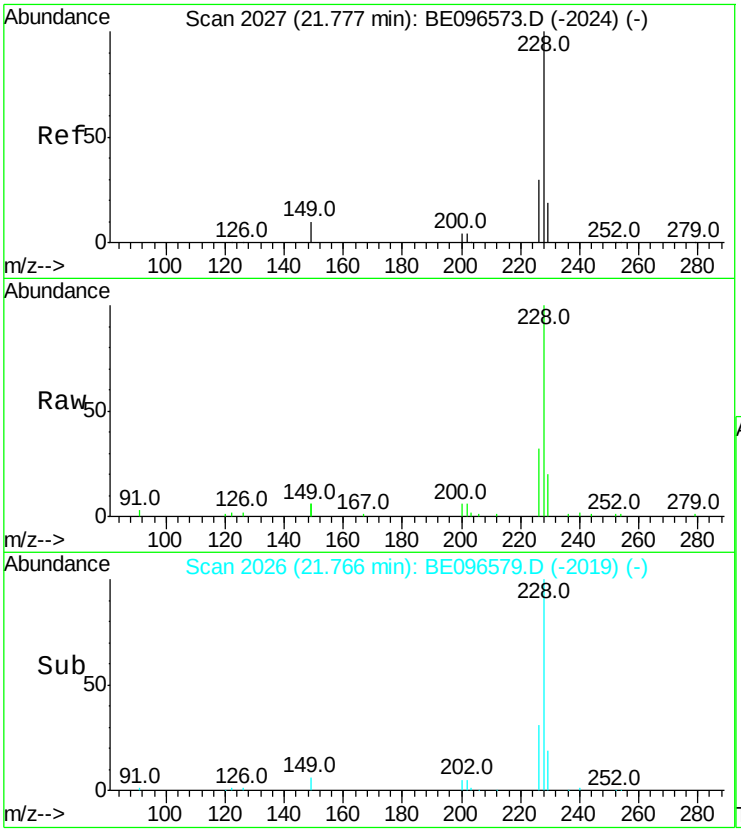


#30
Benzo(a)anthracene
Concen: 0.938 ng
RT: 21.72 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:228 Resp: 10928

Ion	Ratio	Lower	Upper
228	100		
226	26.9	24.0	36.0
229	20.2	16.0	24.0



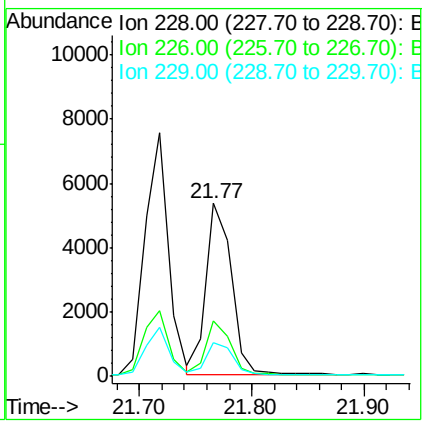


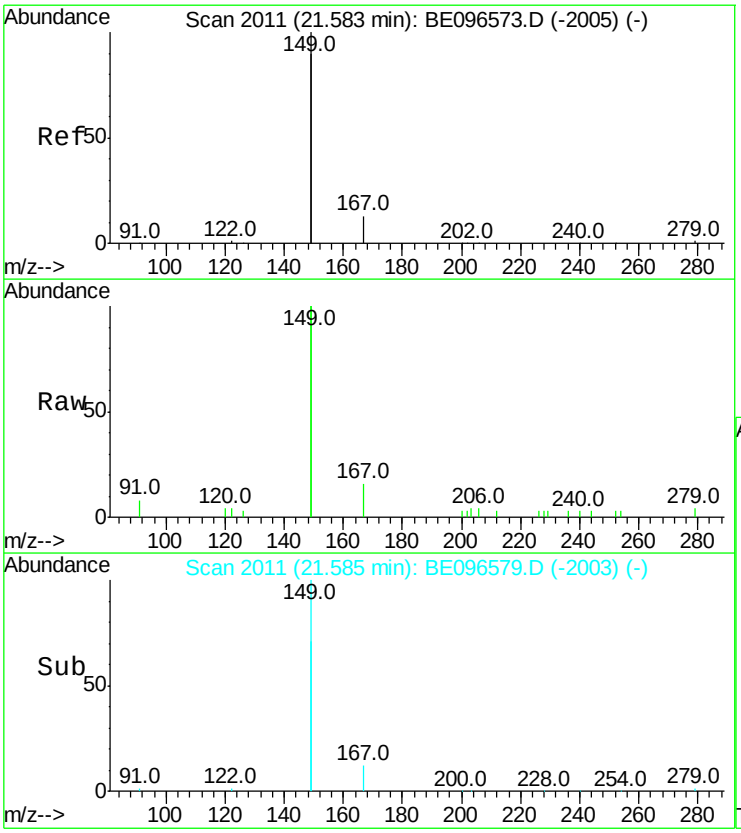
#31
Chrysene
Concen: 0.686 ng
RT: 21.77 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 8323

Ion	Ratio	Lower	Upper
228	100		
226	32.1	24.0	36.0
229	19.8	16.0	24.0

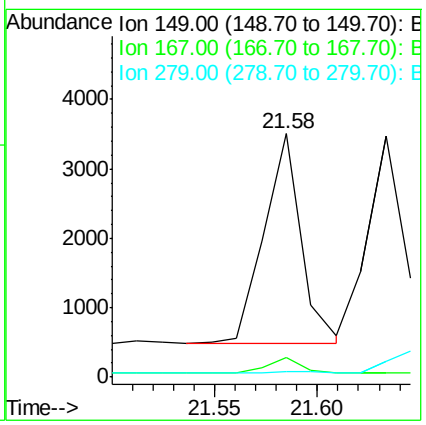


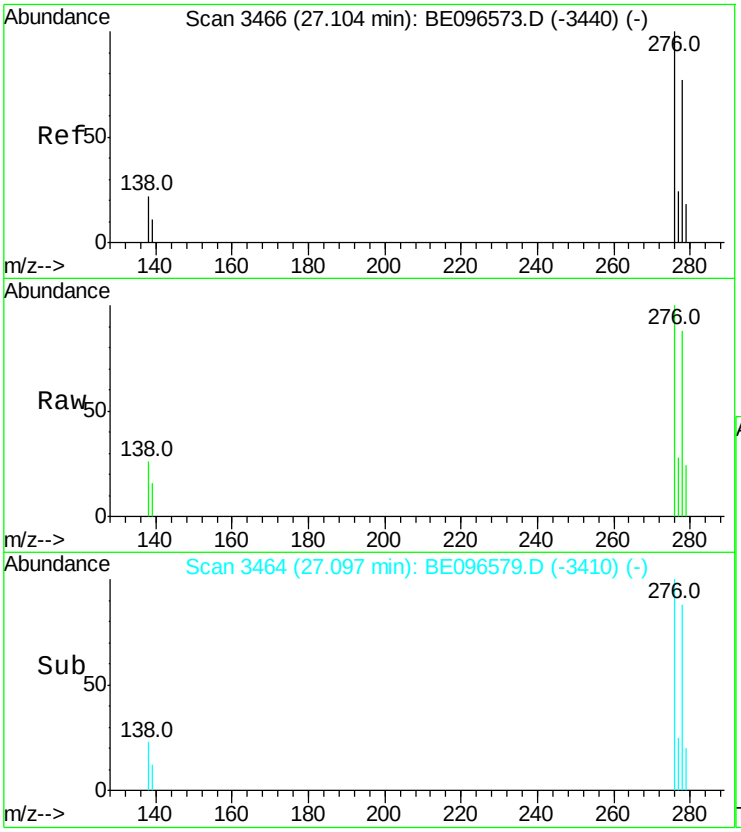


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.154 ng
RT: 21.58 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:149 Resp: 3843

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.4	8.0
279	0.0	0.7	1.1#



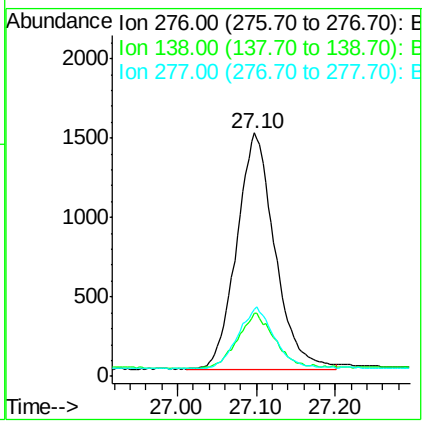


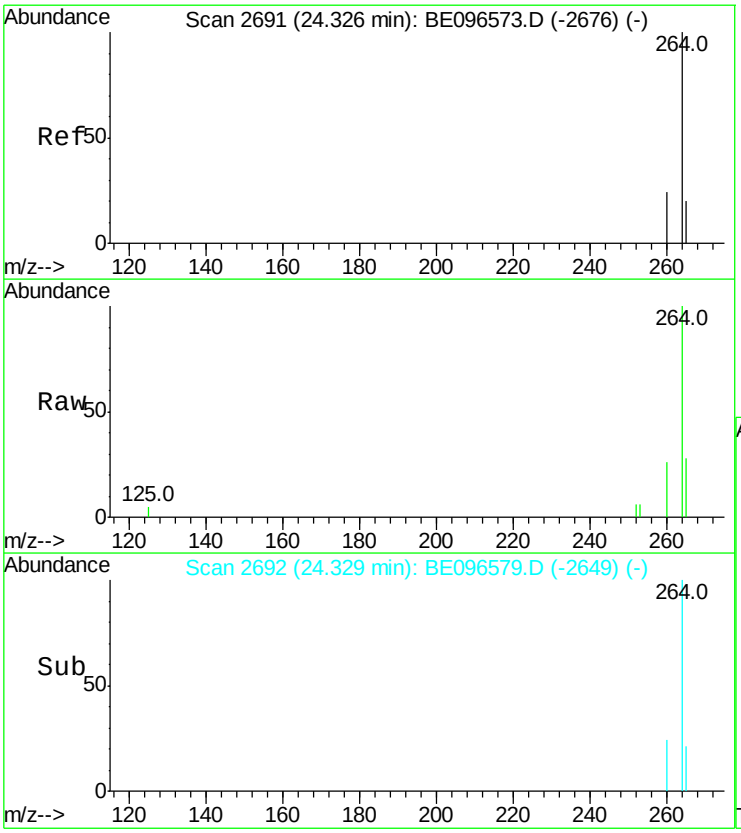
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.429 ng
RT: 27.10 min Scan# 3464
Delta R.T. -0.01 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 4992

Ion	Ratio	Lower	Upper
276	100		
138	22.4	22.5	33.7#
277	24.7	19.9	29.9

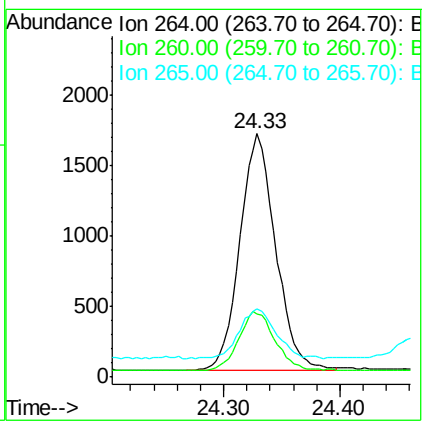


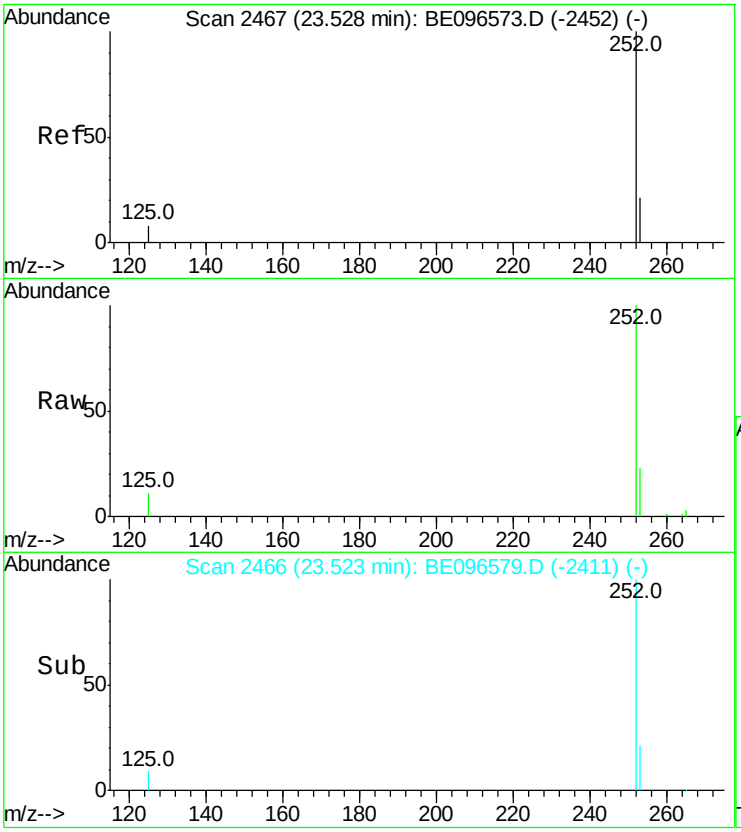


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.33 min Scan# 2692
Delta R.T. 0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:264 Resp: 3574

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.5	30.7
265	28.2	22.8	34.2



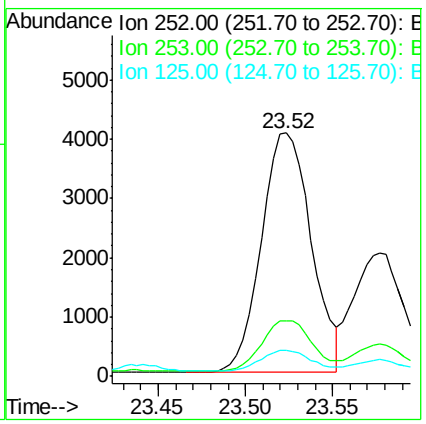


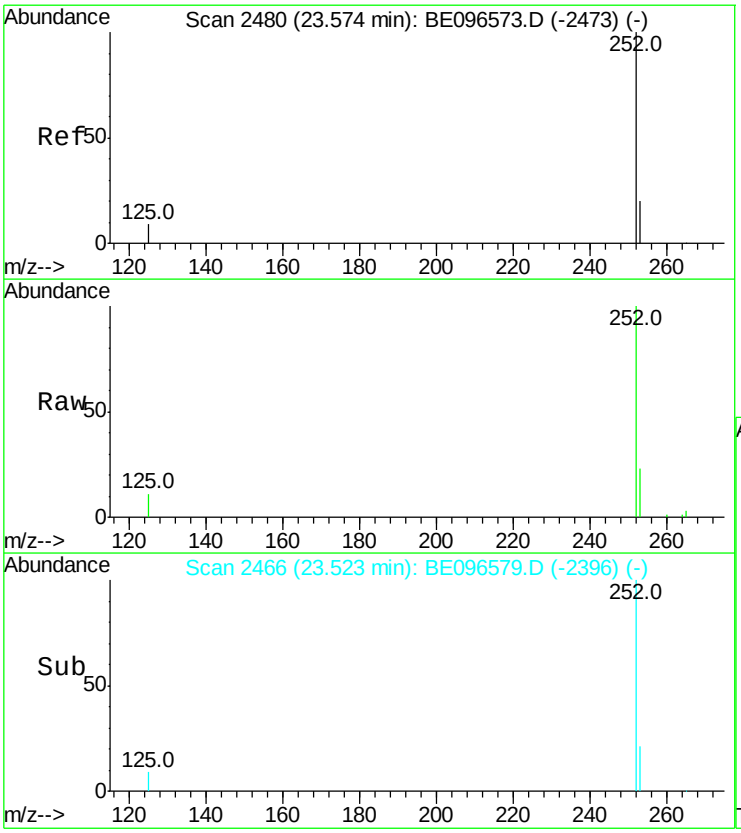
#35
Benzo(b)fluoranthene
Concen: 0.732 ng
RT: 23.52 min Scan# 2466
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 8070

Ion	Ratio	Lower	Upper
252	100		
253	23.0	20.0	30.0
125	10.7	16.0	24.0#

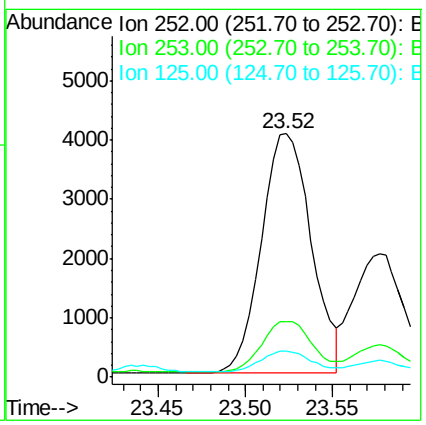


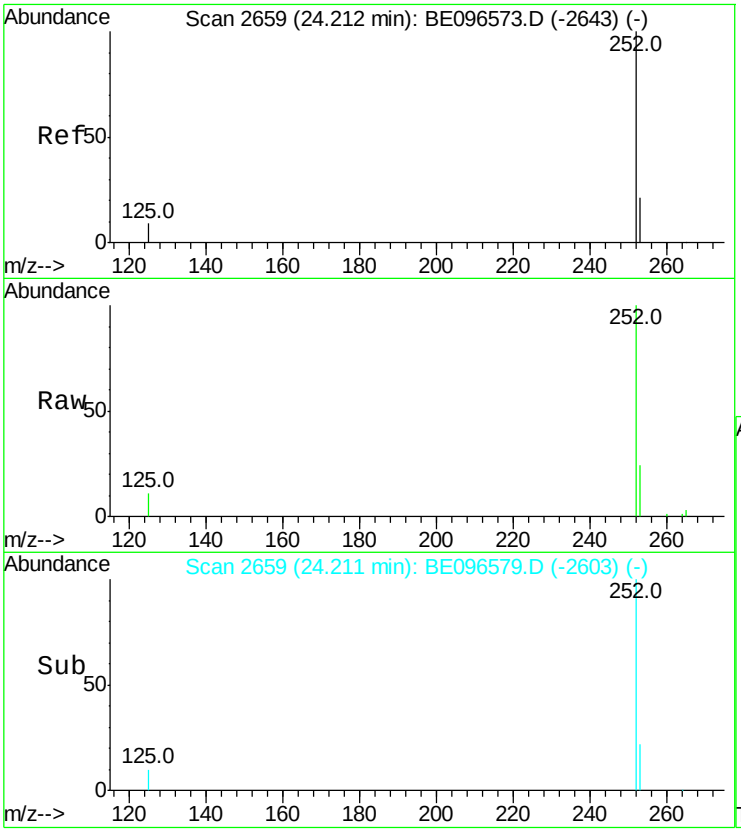


#36
Benzo(k)fluoranthene
Concen: 0.691 ng
RT: 23.52 min Scan# 2466
Delta R.T. -0.05 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:252 Resp: 8070

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.0	24.0
125	10.7	8.0	12.0



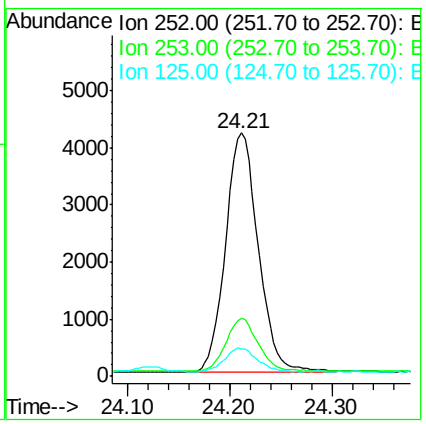


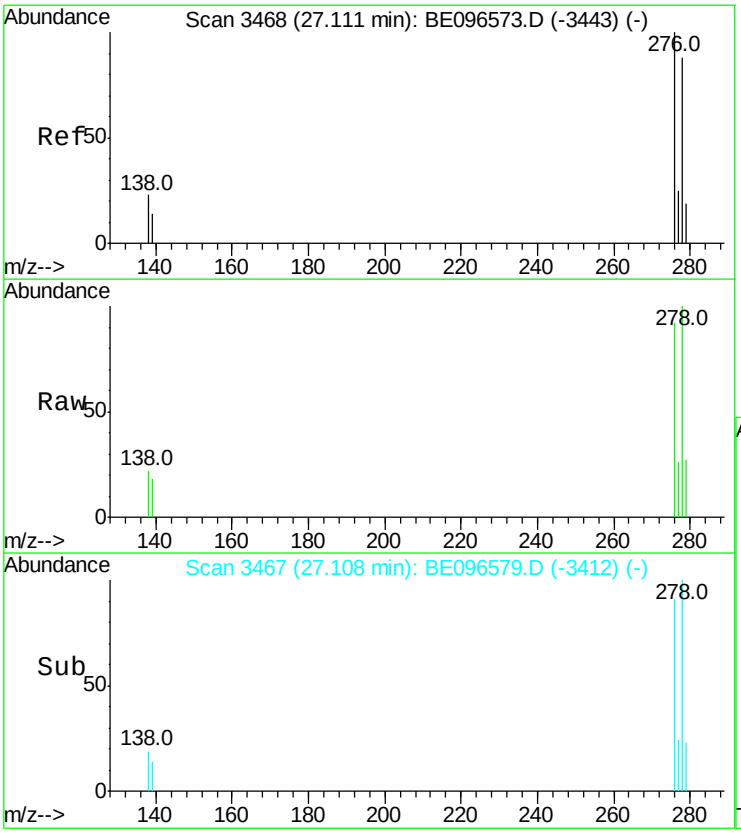
#37
Benzo(a)pyrene
Concen: 0.898 ng
RT: 24.21 min Scan# 2659
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 9461

Ion	Ratio	Lower	Upper
252	100		
253	24.0	16.0	24.0#
125	11.2	12.0	18.0#

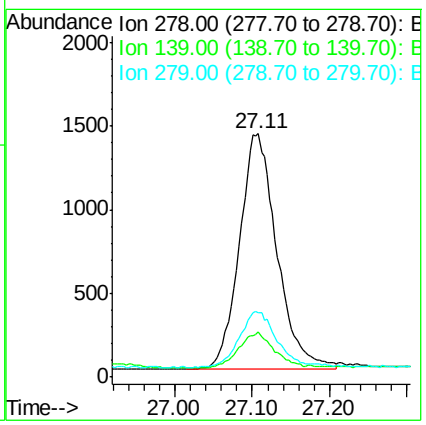


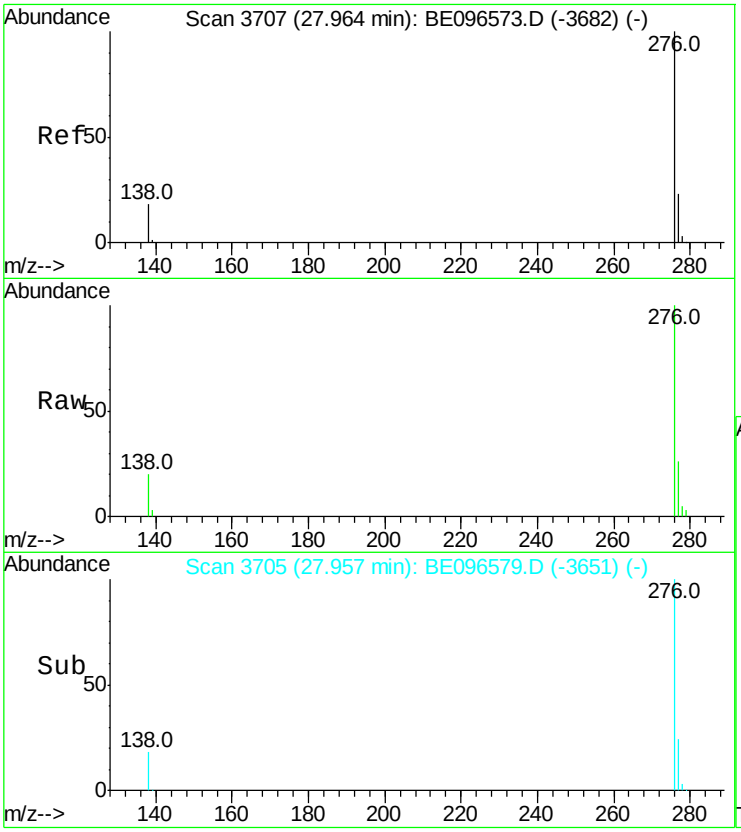


#38
Dibenzo(a,h)anthracene
Concen: 0.492 ng
RT: 27.11 min Scan# 3467
Delta R.T. -0.00 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Tgt Ion:278 Resp: 4737

Ion	Ratio	Lower	Upper
278	100		
139	18.3	16.0	24.0
279	26.5	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.809 ng
RT: 27.96 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BE096579.D
Acq: 15 May 2018 15:35

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 8159

Ion	Ratio	Lower	Upper
276	100		
277	25.6	16.0	24.0#
138	20.3	20.0	30.0