Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051618\
Data File : BE096589.D
Acq On : 16 May 2018 9:52
Operator : SJ/JU
Sample : PB108420BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: May 17 03:53:19 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	828	0.40	ng		0.00
7) Naphthalene-d8	11.17	136	3092	0.40	ng		-0.01
13) Acenaphthene-d10	14.92	164	1587	0.40	ng		0.00
19) Phenanthrene-d10	17.64	188	3257	0.40	ng		0.00
27) Chrysene-d12	21.73	240	3454	0.40	ng		0.00
34) Perylene-d12	24.33	264	3367	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.85	112	877	0.38	ng		0.00
5) Phenol-d6	7.50	99	1155	0.36	ng		0.00
8) Nitrobenzene-d5	9.44	82	115	0.03	ng		-0.09
11) 2-Methylnaphthalene-d10	12.72	152	1673	0.33	ng		0.00
14) 2,4,6-Tribromophenol	16.40	330	180	0.29	ng		0.00
15) 2-Fluorobiphenyl	13.56	172	2533	0.37	ng		0.00
25) Fluoranthene-d10	19.62	212	13886	0.35	ng		0.00
29) Terphenyl-d14	20.18	244	2598	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.59	88	358	0.288	ng	#	87
3) n-Nitrosodimethylamine	3.95	42	597	0.384	ng	#	74
6) bis(2-Chloroethyl)ether	7.74	93	975	0.323	ng		94
9) Naphthalene	11.22	128	11684	0.359	ng		99
10) Hexachlorobutadiene	11.49	225	604	0.332	ng	#	86
12) 2-Methylnaphthalene	12.79	142	1913	0.343	ng		97
16) Acenaphthylene	14.66	152	2704	0.326	ng		98
17) Acenaphthene	14.99	154	1662	0.329	ng		92
18) Fluorene	15.96	166	2064	0.329	ng	#	60
20) 4-Bromophenyl-phenylether	16.82	248	636	0.322	ng	#	75
21) Hexachlorobenzene	16.95	284	680	0.330	ng	#	78
22) Pentachlorophenol	17.31	266	155	0.416	ng		85
23) Phenanthrene	17.67	178	3208	0.351	ng		99
24) Anthracene	17.77	178	2998	0.352	ng		95
26) Fluoranthene	19.65	202	3880	0.355	ng	#	97
28) Pyrene	20.00	202	1835	0.294	ng		96
30) Benzo(a)anthracene	21.72	228	3834	0.361	ng		97
31) Chrysene	21.77	228	3826	0.346	ng		96
32) Bis(2-ethylhexyl)phthalate	21.58	149	7055	0.310	ng	#	99
33) Indeno(1,2,3-cd)pyrene	27.10	276	4116	0.388	ng	#	93
35) Benzo(b)fluoranthene	23.52	252	3792	0.365	ng	#	92
36) Benzo(k)fluoranthene	23.58	252	3764	0.342	ng	#	92
37) Benzo(a)pyrene	24.21	252	3616	0.364	ng	#	90
38) Dibenzo(a,h)anthracene	27.10	278	3314	0.365	ng		97
39) Benzo(g,h,i)perylene	27.96	276	3470	0.365	ng	#	90

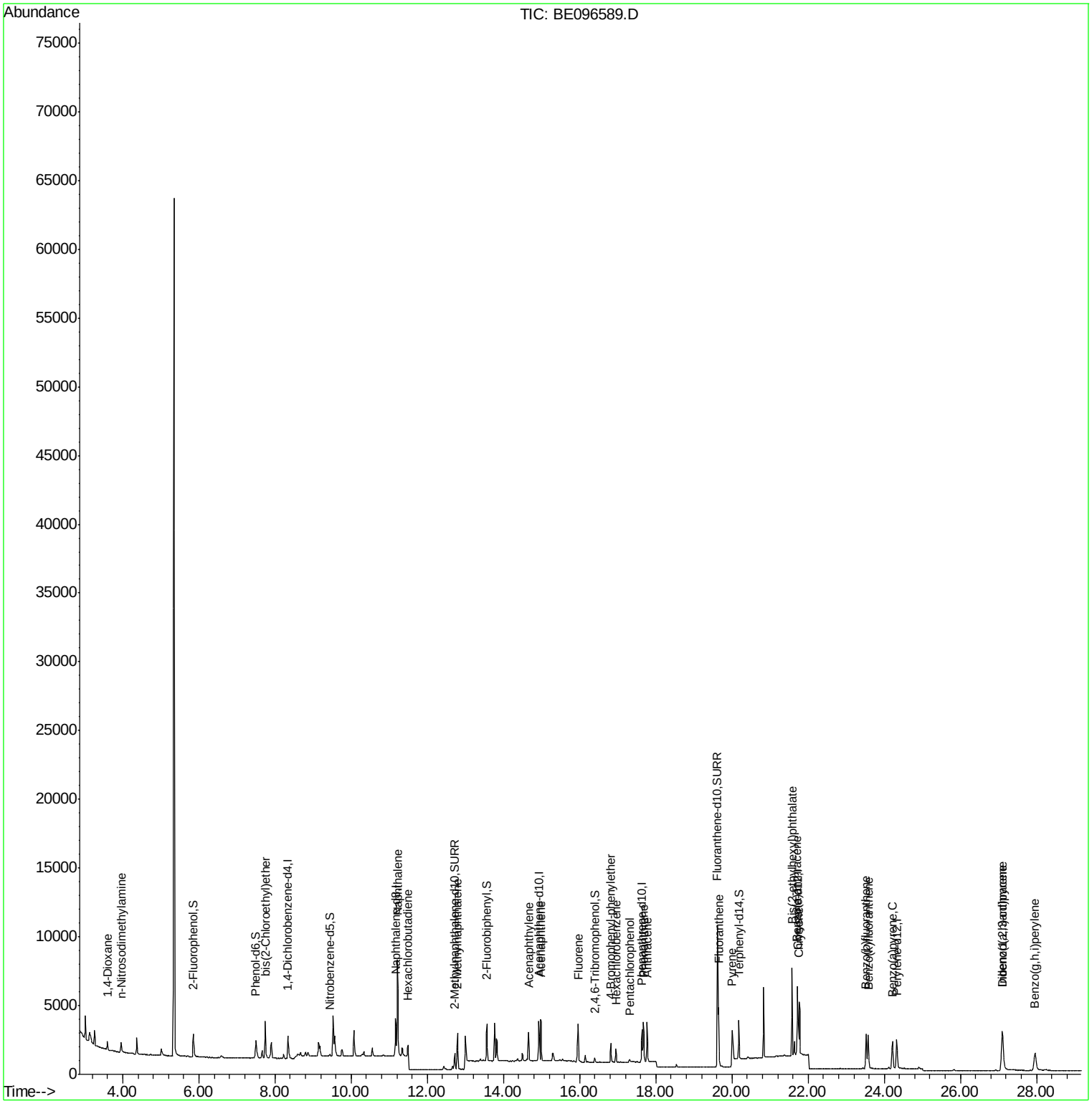
(#) = qualifier out of range (m) = manual integration (+) = signals summed

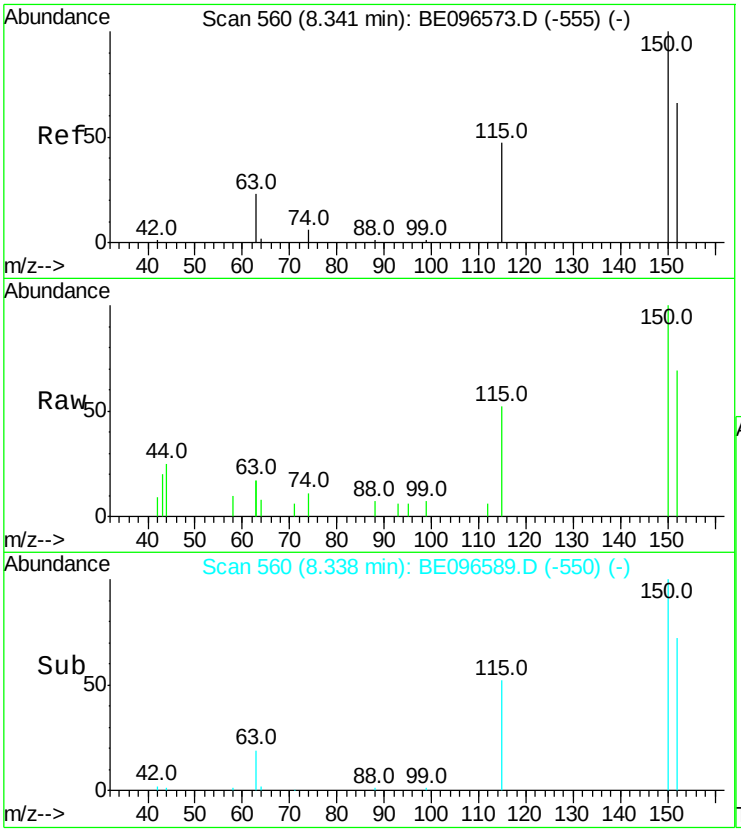
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051618\
Data File : BE096589.D
Acq On : 16 May 2018 9:52
Operator : SJ/JU
Sample : PB108420BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: May 17 03:53:19 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



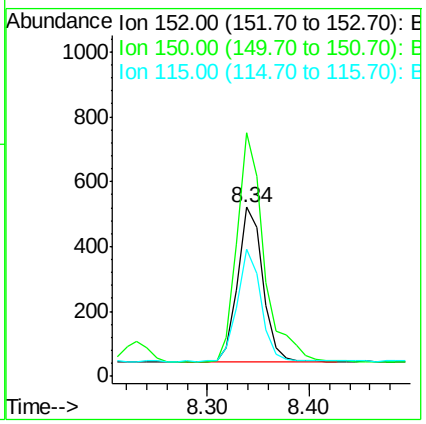


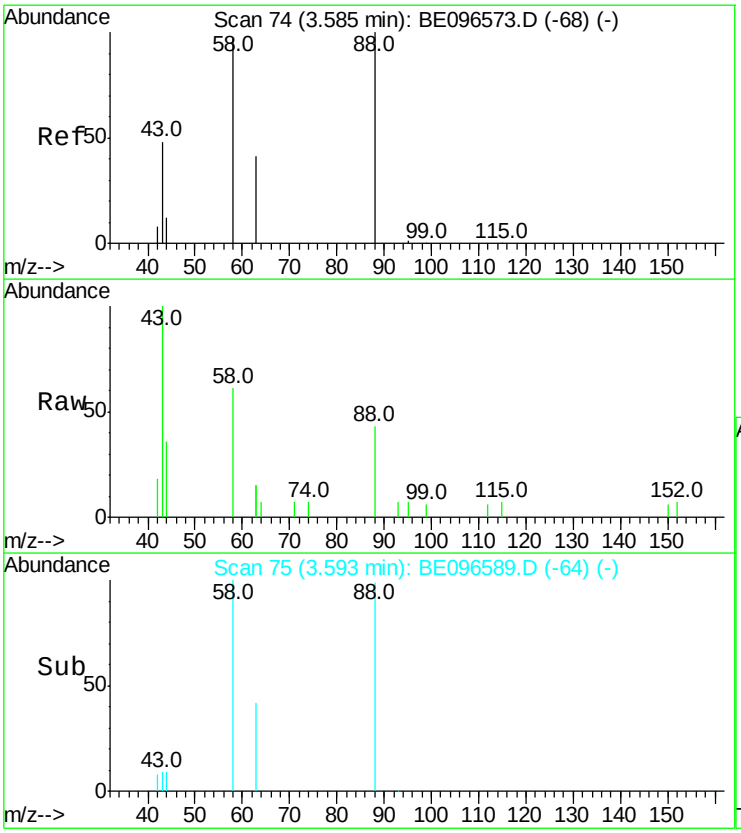
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.34 min Scan# 560
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 828

Ion	Ratio	Lower	Upper
152	100		
150	144.1	117.2	175.8
115	75.0	57.0	85.6

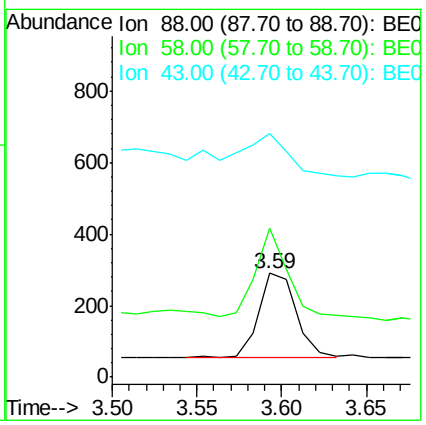


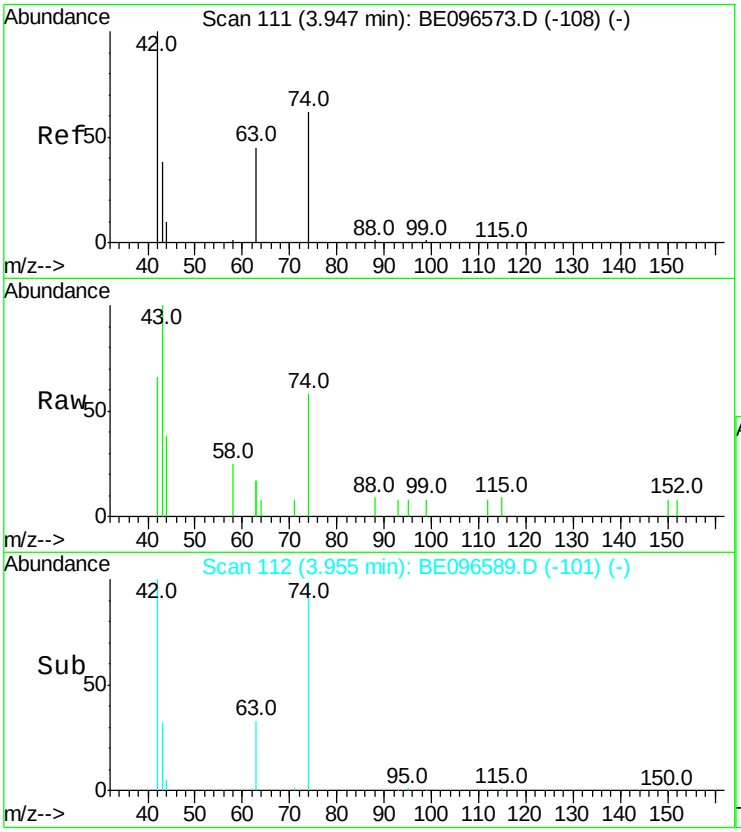


#2
1,4-Dioxane
Concen: 0.288 ng
RT: 3.59 min Scan# 75
Delta R.T. 0.01 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion: 88 Resp: 358

Ion	Ratio	Lower	Upper
88	100		
58	88.5	63.2	94.8
43	62.3	41.2	61.8#



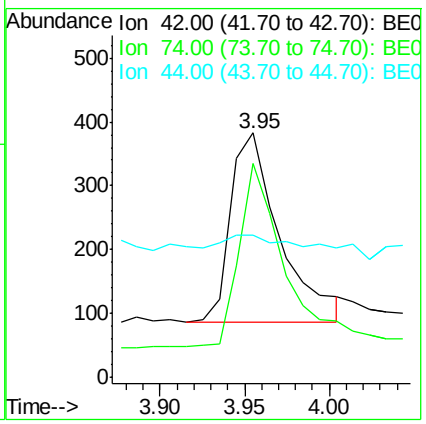


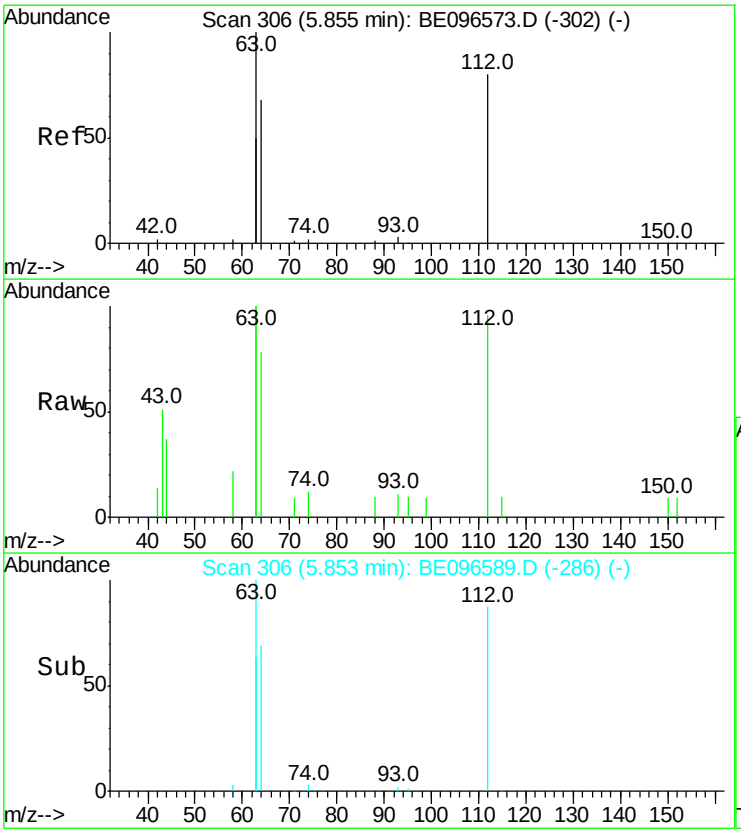
#3
n-Nitrosodimethylamine
Concen: 0.384 ng
RT: 3.95 min Scan# 112
Delta R.T. 0.01 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 597

Ion	Ratio	Lower	Upper
42	100		
74	88.9	96.0	144.0#
44	11.7	12.0	18.0#

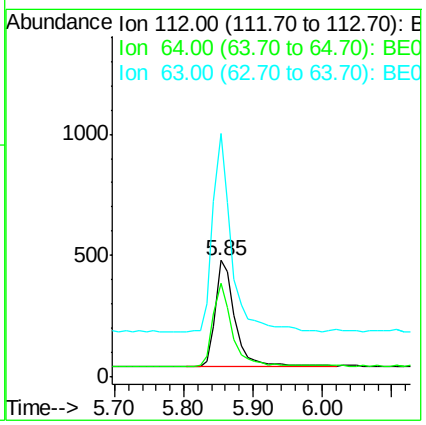


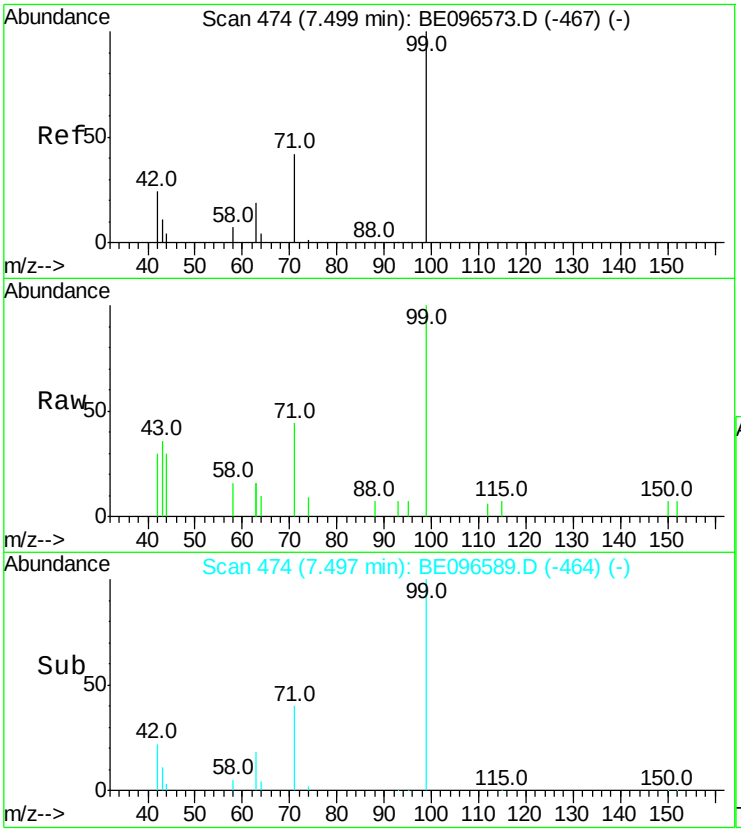


#4
2-Fluorophenol
Concen: 0.384 ng
RT: 5.85 min Scan# 306
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:112 Resp: 877

Ion	Ratio	Lower	Upper
112	100		
64	73.5	60.1	90.1
63	174.1	116.8	175.2



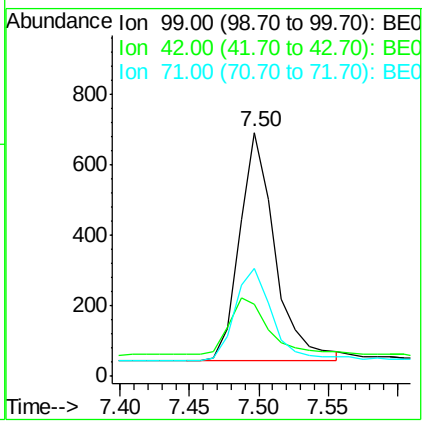


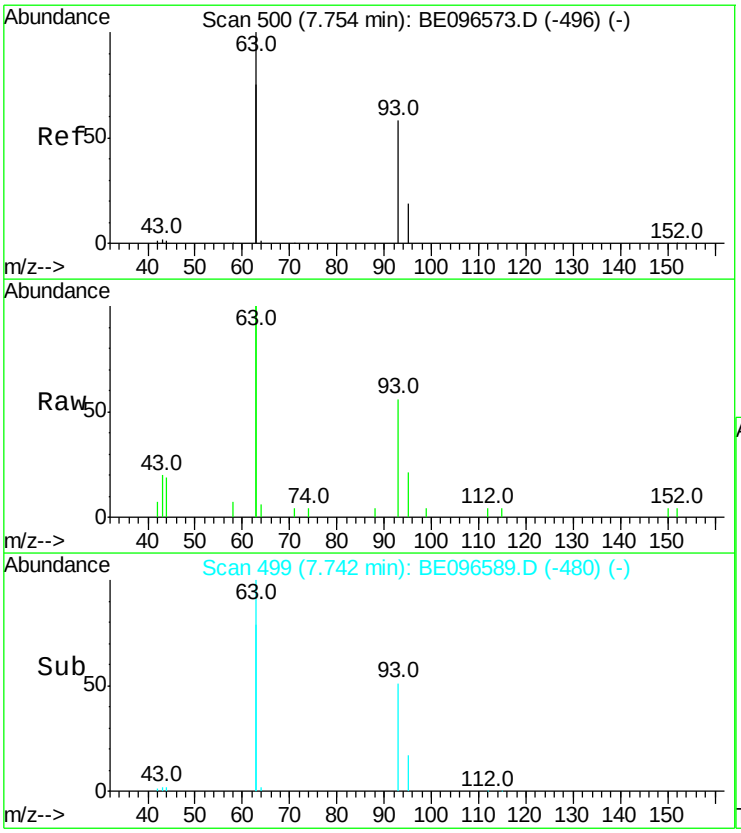
#5
Phenol-d6
Concen: 0.357 ng
RT: 7.50 min Scan# 474
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1155

Ion	Ratio	Lower	Upper
99	100		
42	27.6	20.2	30.2
71	41.6	28.4	42.6

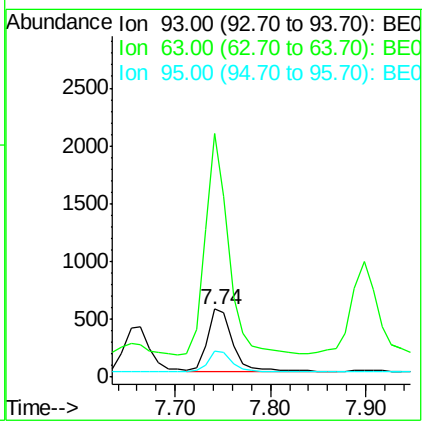


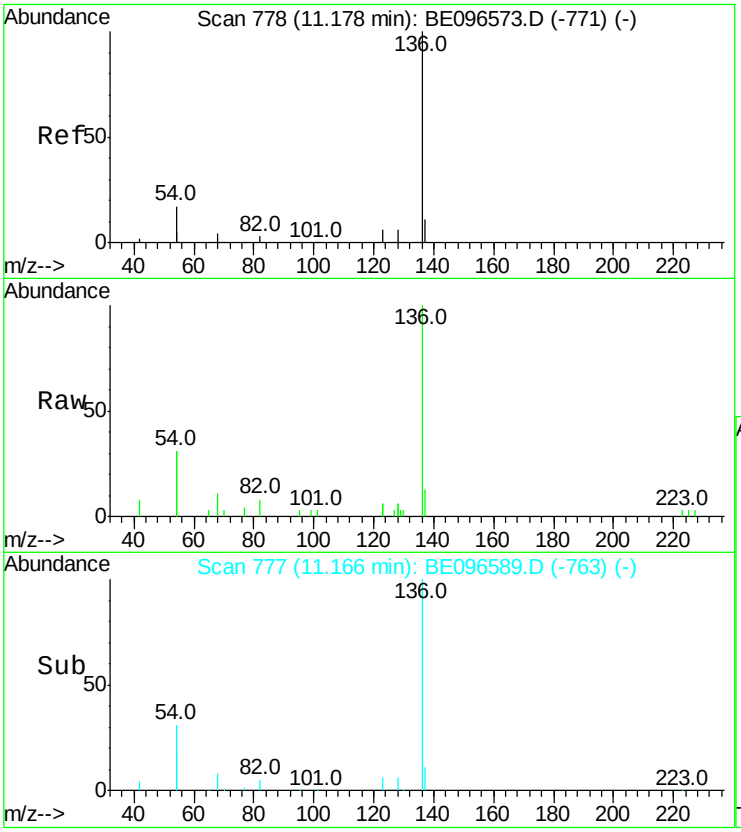


#6
bis(2-Chloroethyl)ether
Concen: 0.323 ng
RT: 7.74 min Scan# 499
Delta R.T. -0.01 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion: 93 Resp: 975

Ion	Ratio	Lower	Upper
93	100		
63	329.5	275.3	412.9
95	32.2	25.2	37.8



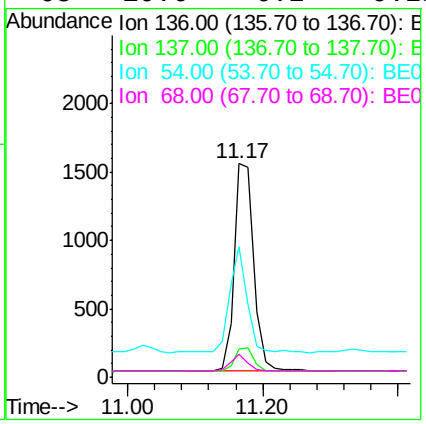


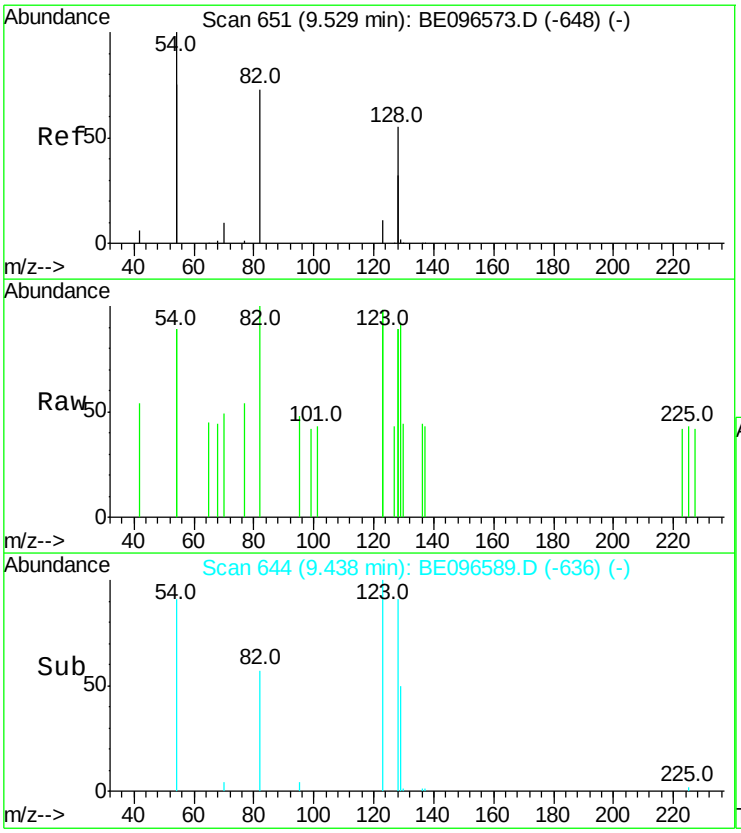
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.17 min Scan# 777
Delta R.T. -0.01 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 3092

Ion	Ratio	Lower	Upper
136	100		
137	13.3	9.5	14.3
54	61.1	29.1	43.7#
68	10.6	6.2	9.2#

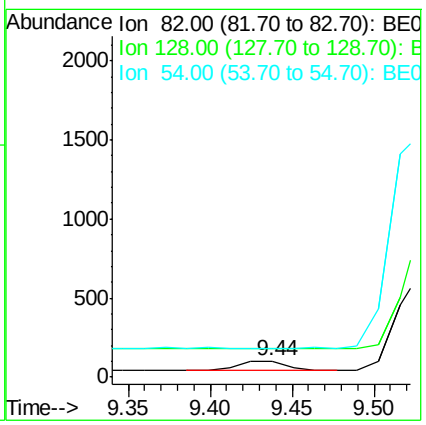


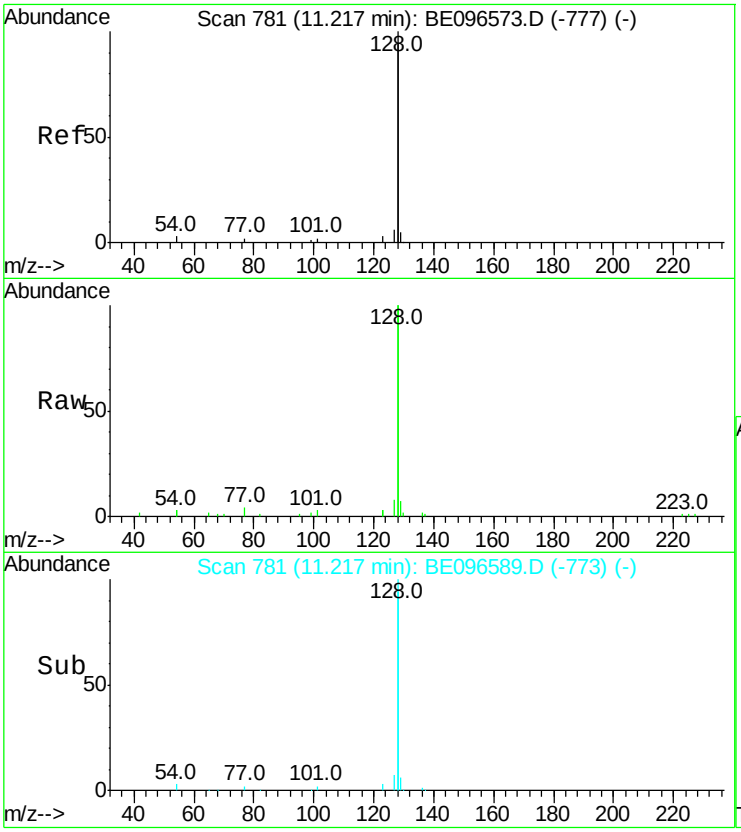


#8
Nitrobenzene-d5
Concen: 0.035 ng
RT: 9.44 min Scan# 644
Delta R.T. -0.09 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion: 82 Resp: 115

Ion	Ratio	Lower	Upper
82	100		
128	178.6	150.0	225.0
54	178.6	154.2	231.4



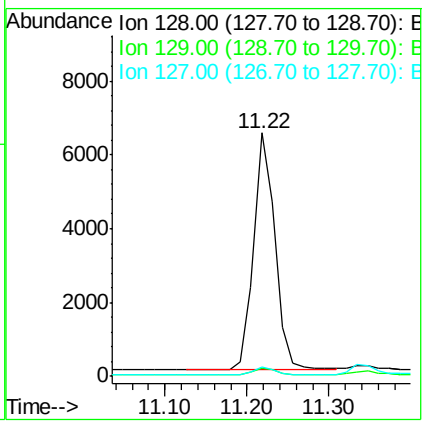


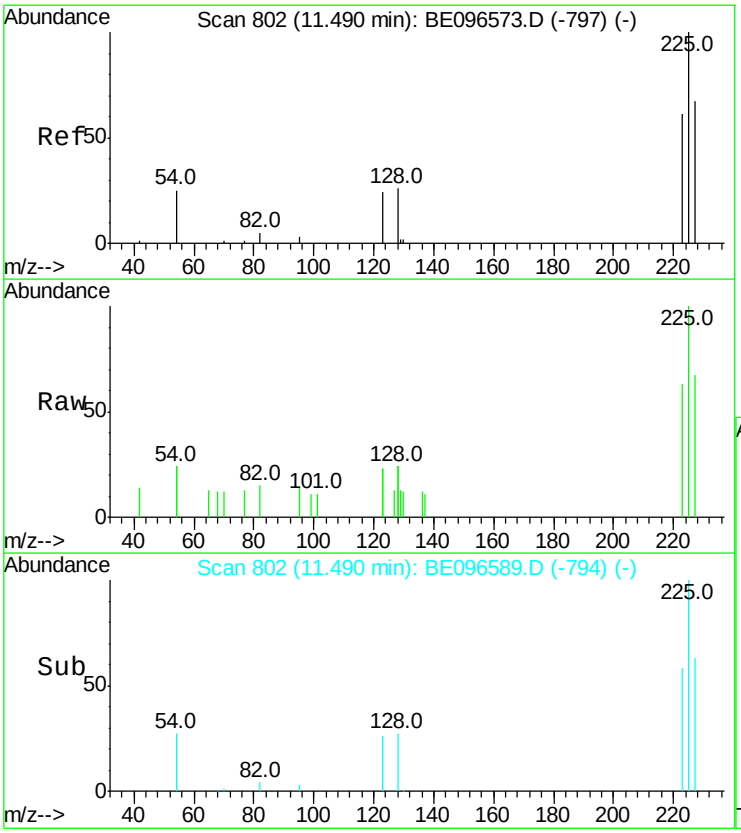
#9
Naphthalene
Concen: 0.359 ng
RT: 11.22 min Scan# 781
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 11684

Ion	Ratio	Lower	Upper
128	100		
129	3.5	2.6	3.8
127	4.0	2.8	4.2

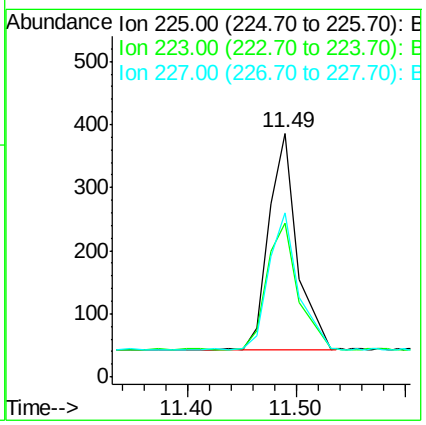


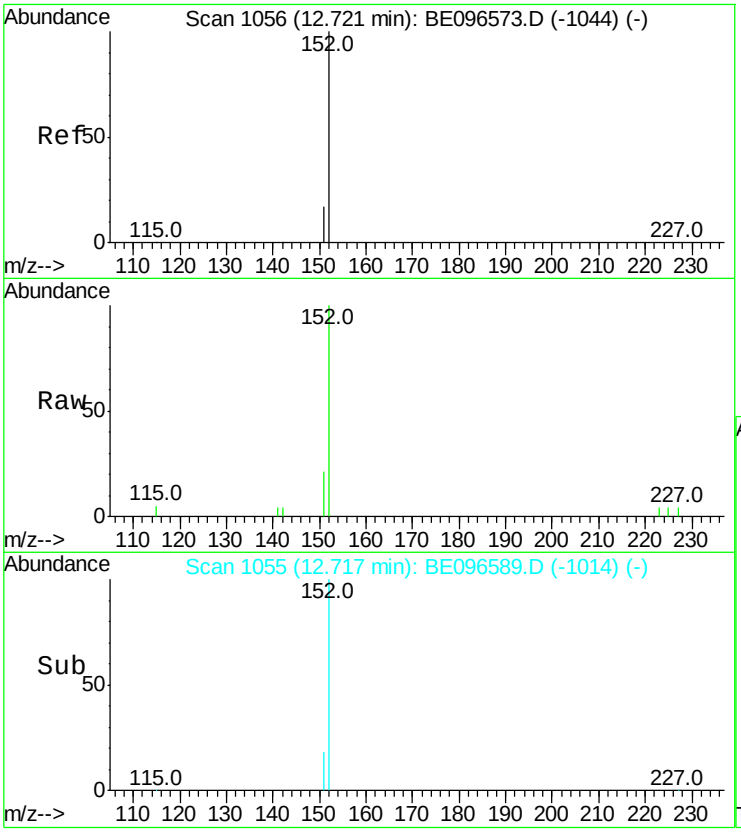


#10
Hexachlorobutadiene
Concen: 0.332 ng
RT: 11.49 min Scan# 802
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:225 Resp: 604

Ion	Ratio	Lower	Upper
225	100		
223	51.7	53.0	79.6#
227	57.5	51.4	77.2



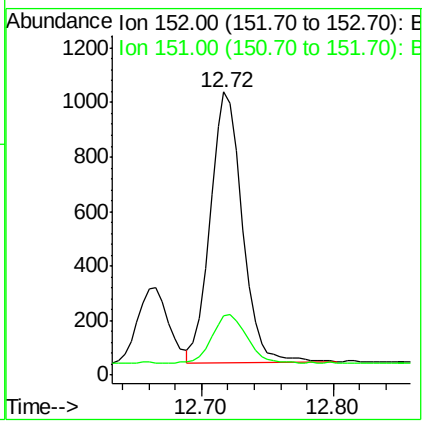


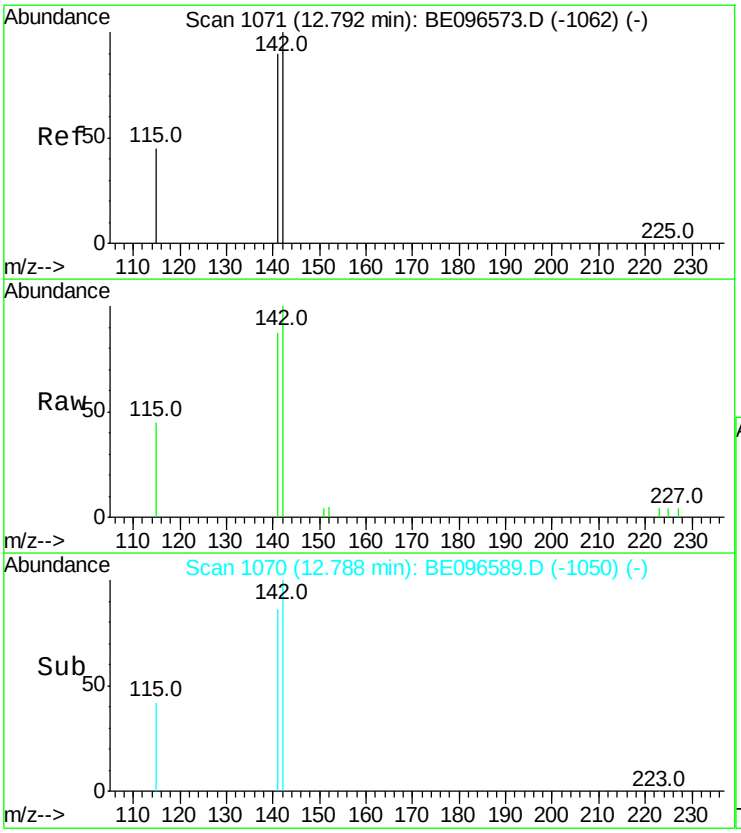
#11
2-Methylnaphthalene-d10
Concen: 0.331 ng
RT: 12.72 min Scan# 1055
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1673

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.0

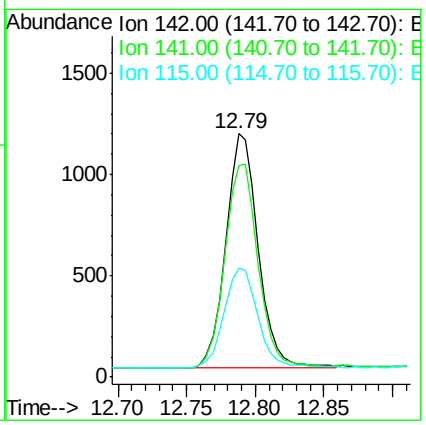


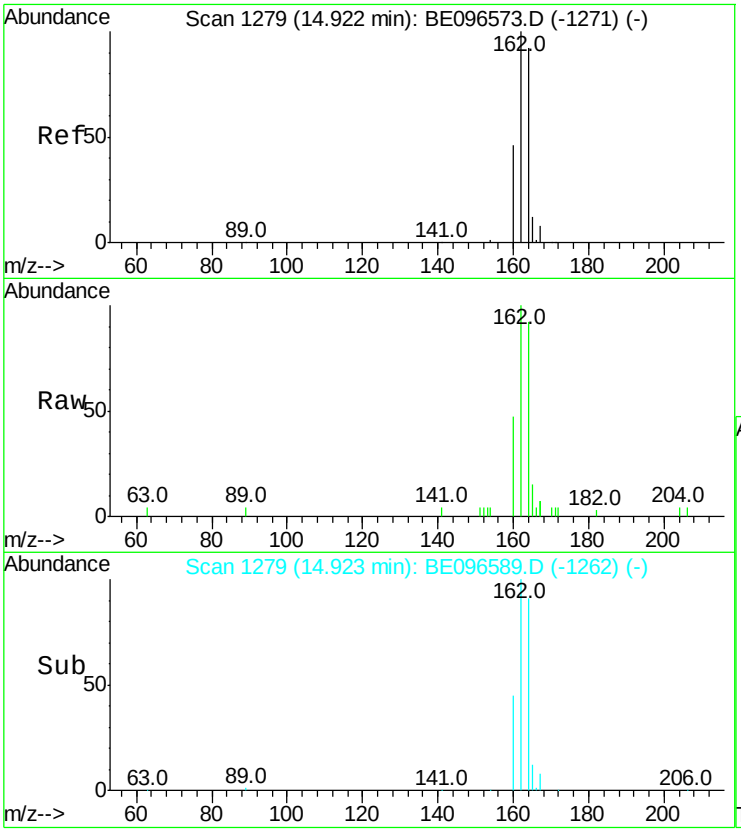


#12
2-Methylnaphthalene
Concen: 0.343 ng
RT: 12.79 min Scan# 1070
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:142 Resp: 1913

Ion	Ratio	Lower	Upper
142	100		
141	86.9	70.4	105.6
115	44.7	31.7	47.5



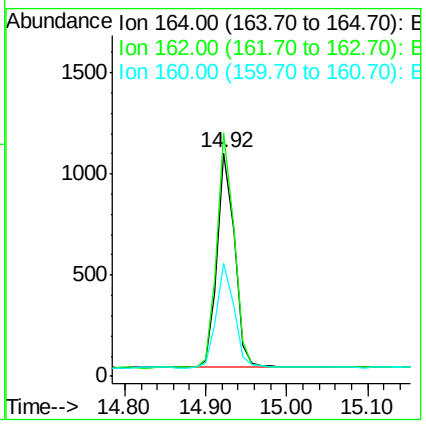


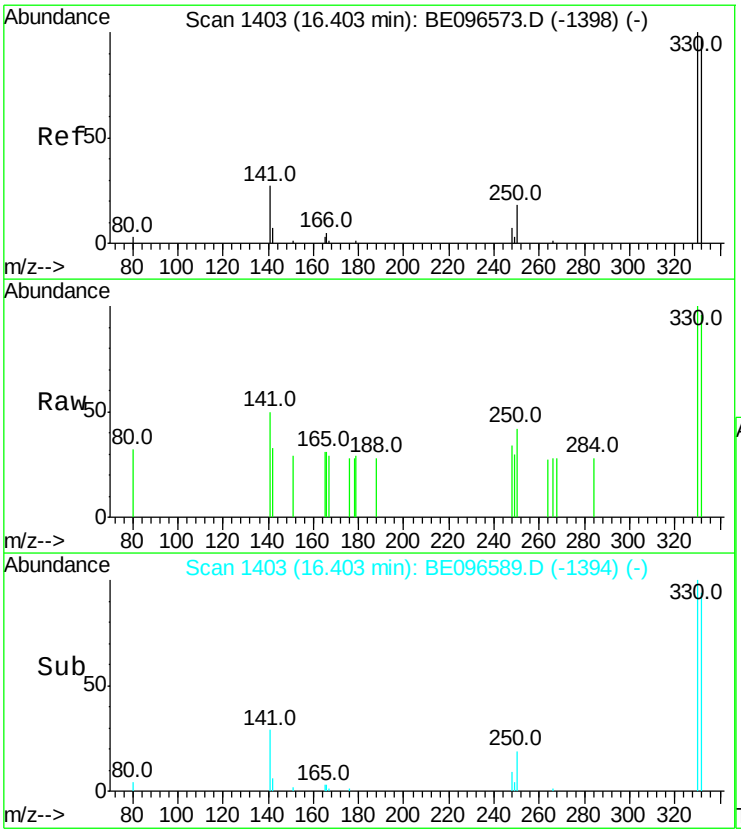
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.92 min Scan# 1279
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 1587

Ion	Ratio	Lower	Upper
164	100		
162	108.9	83.1	124.7
160	50.7	37.1	55.7

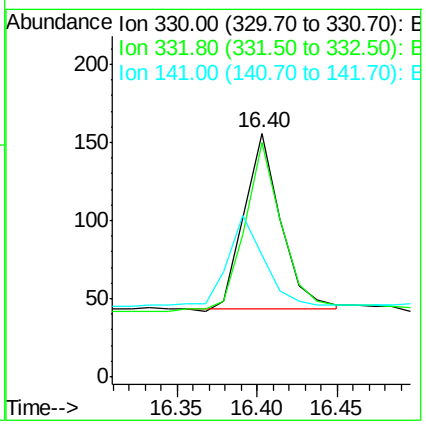


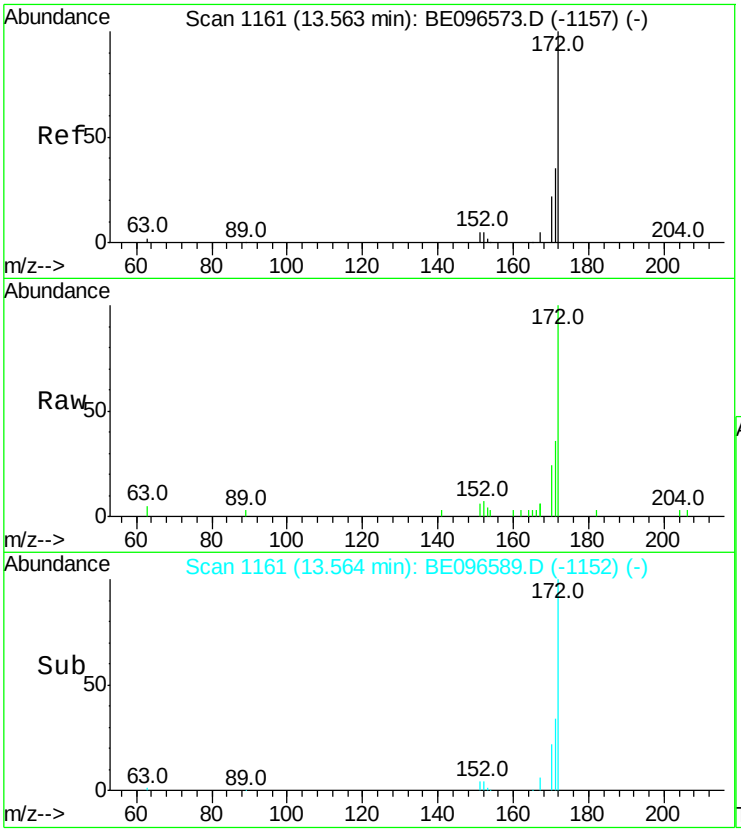


#14
2,4,6-Tribromophenol
Concen: 0.287 ng
RT: 16.40 min Scan# 1403
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:330 Resp: 180

Ion	Ratio	Lower	Upper
330	100		
332	97.2	152.7	229.1#
141	52.2	33.7	50.5#



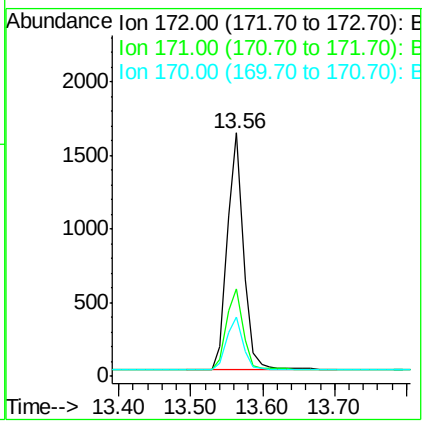


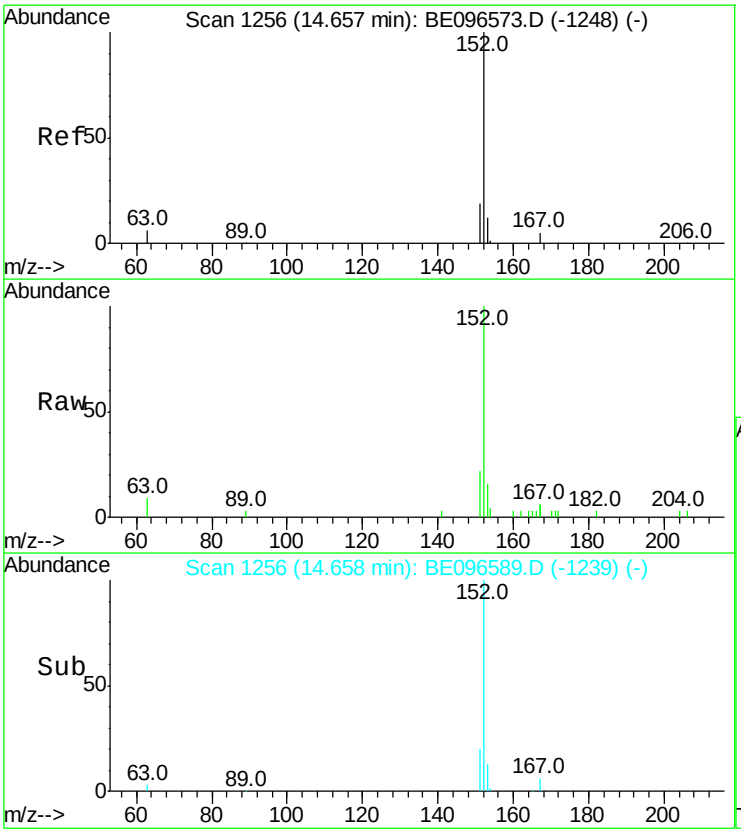
#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 13.56 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 2533

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.9	44.9
170	24.4	21.8	32.8

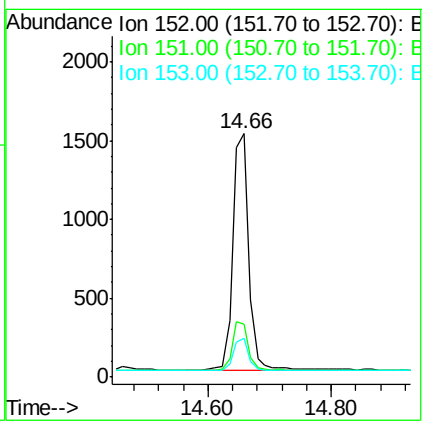


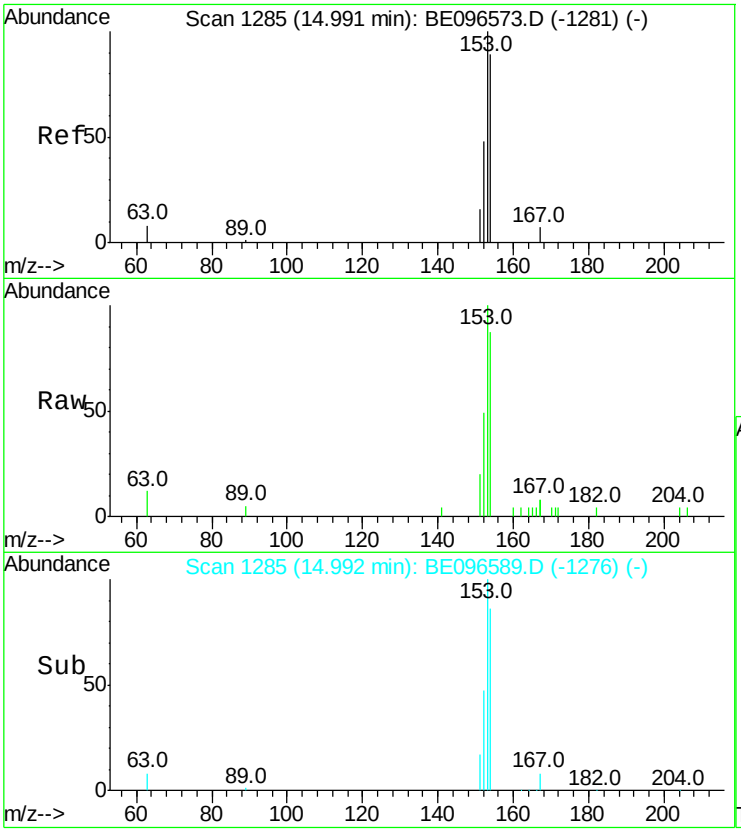


#16
Acenaphthylene
Concen: 0.326 ng
RT: 14.66 min Scan# 1256
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:152 Resp: 2704

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.7	23.5
153	12.6	10.5	15.7



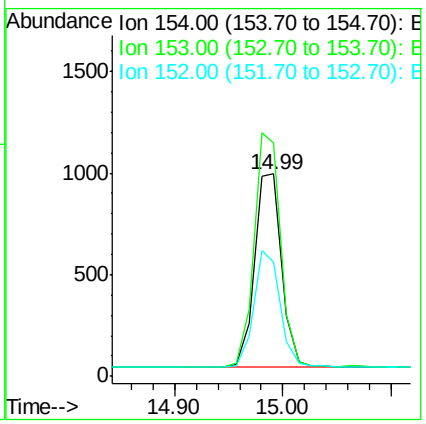


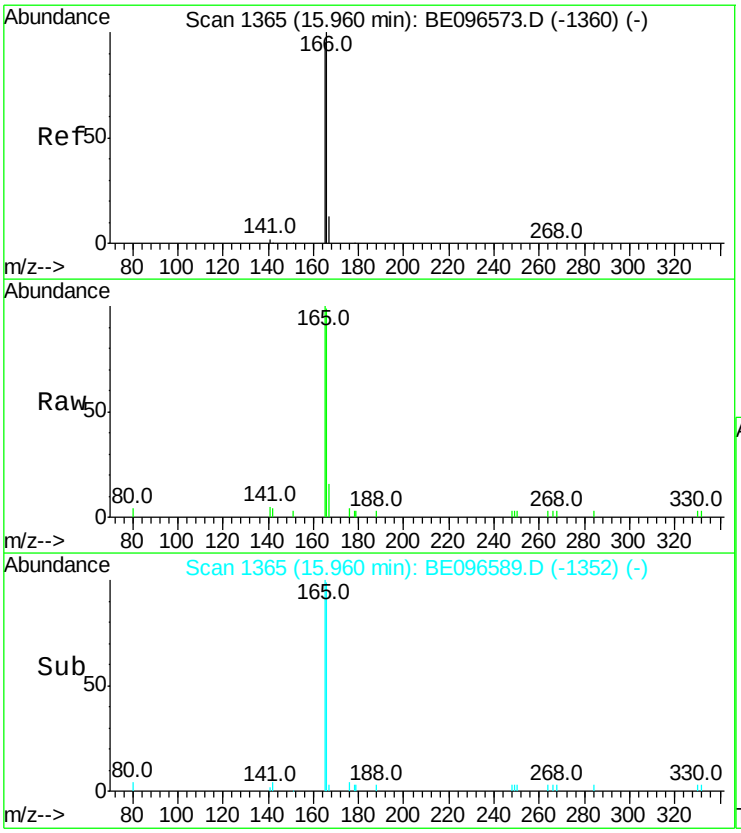
#17
Acenaphthene
Concen: 0.329 ng
RT: 14.99 min Scan# 1285
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 1662

Ion	Ratio	Lower	Upper
154	100		
153	119.5	89.2	133.8
152	58.4	42.0	63.0

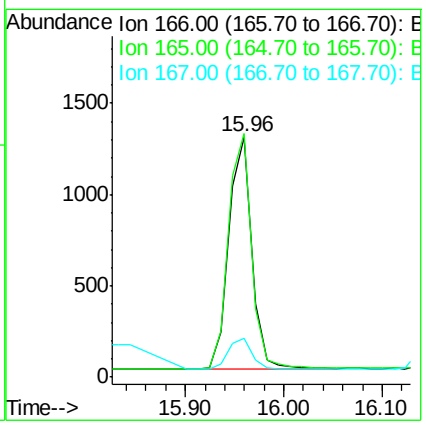


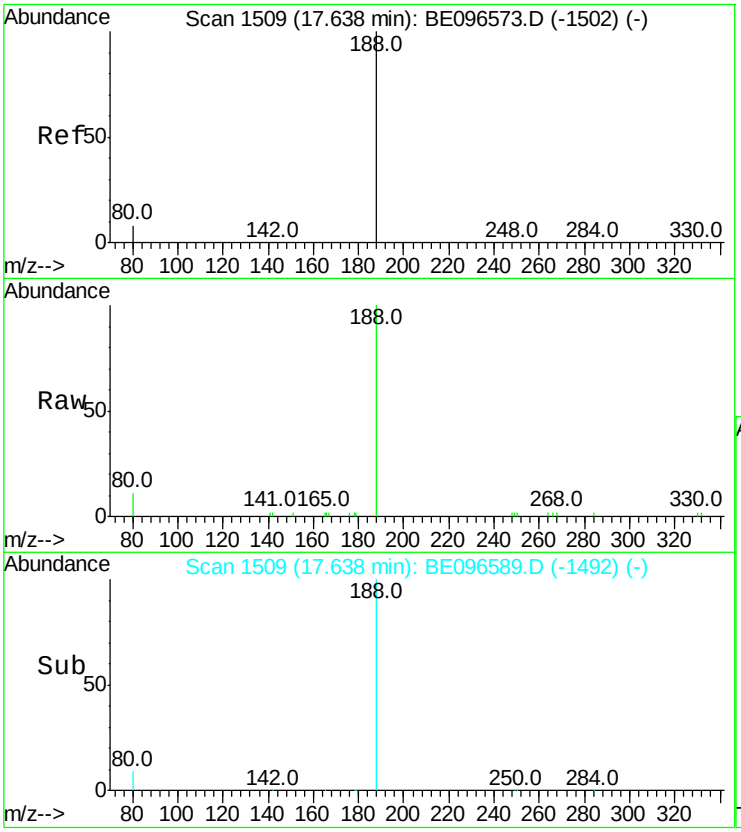


#18
Fluorene
Concen: 0.329 ng
RT: 15.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:166 Resp: 2064

Ion	Ratio	Lower	Upper
166	100		
165	127.6	77.8	116.6#
167	13.4	42.4	63.6#



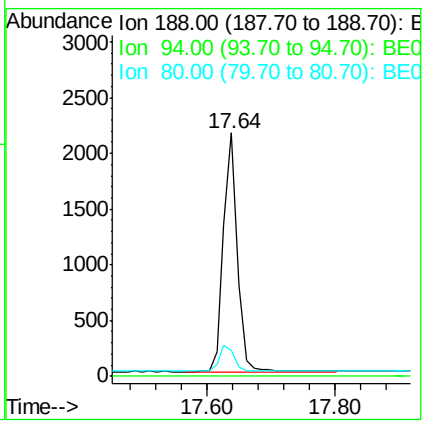


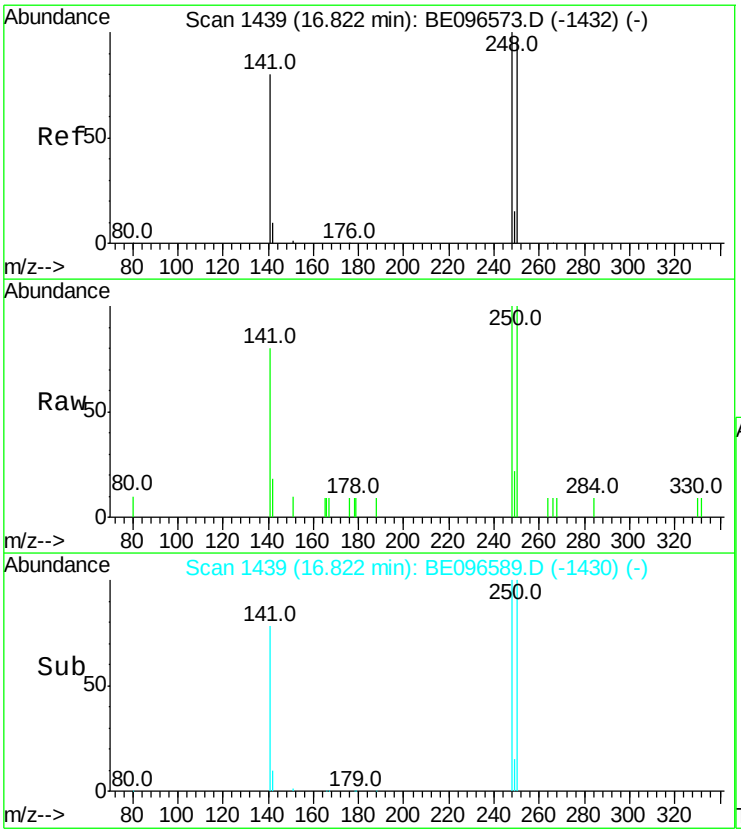
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.64 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 3257

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	10.7	3.6	5.4#

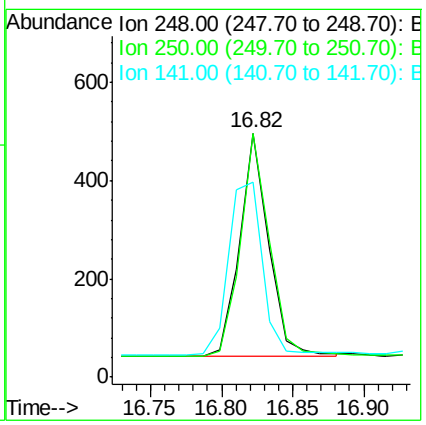


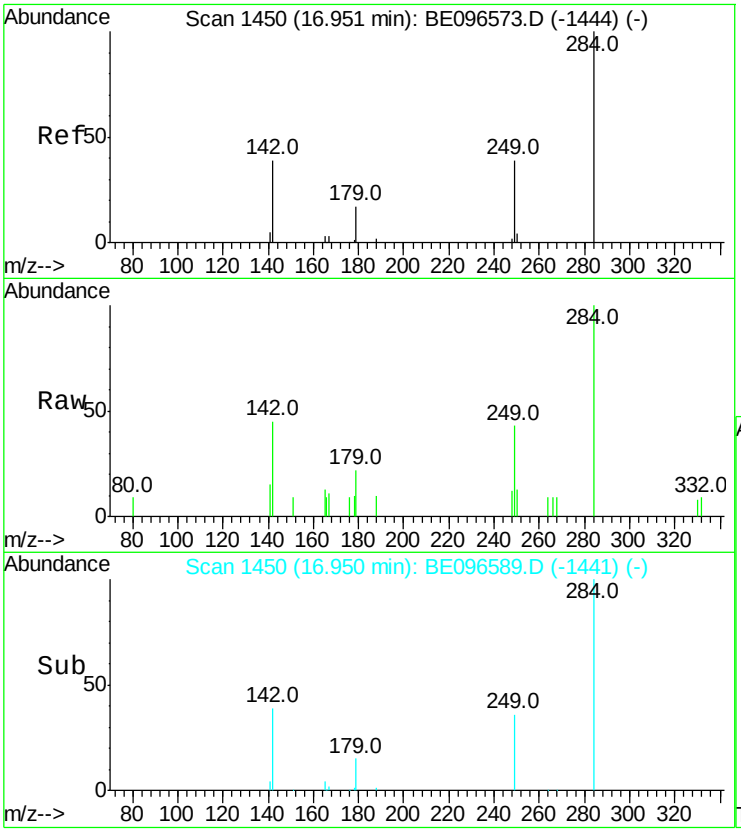


#20
4-Bromophenyl-phenylether
Concen: 0.322 ng
RT: 16.82 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:248 Resp: 636

Ion	Ratio	Lower	Upper
248	100		
250	99.8	62.7	94.1#
141	80.0	48.2	72.2#



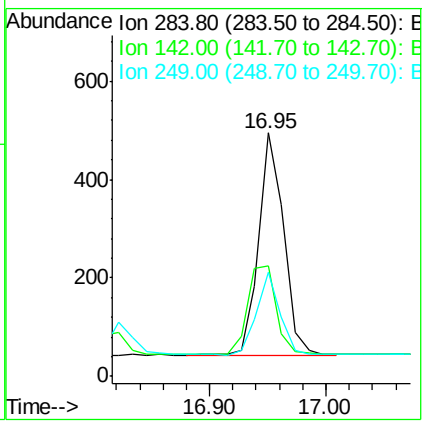


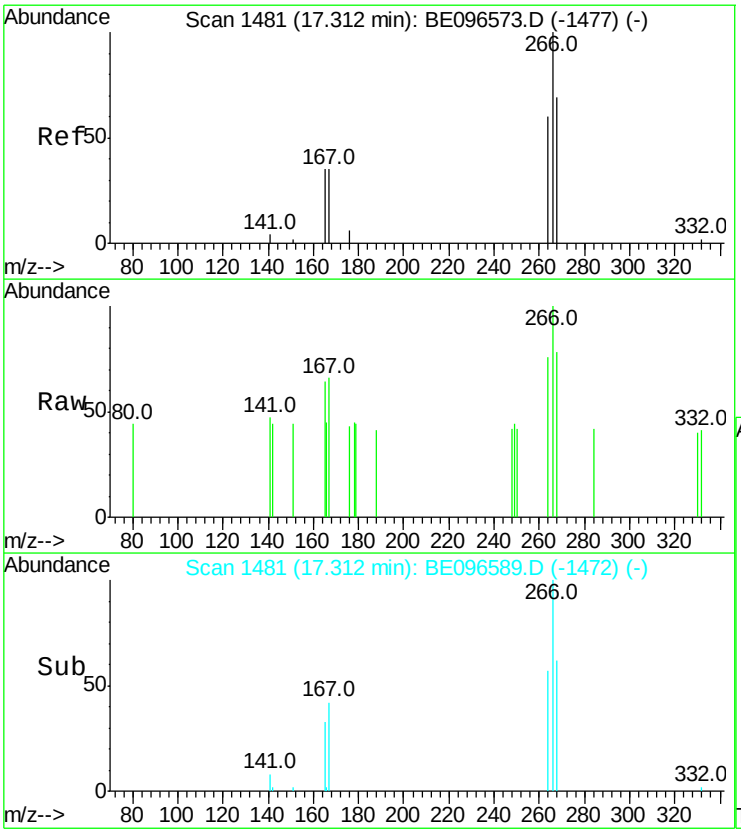
#21
Hexachlorobenzene
Concen: 0.330 ng
RT: 16.95 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 680

Ion	Ratio	Lower	Upper
284	100		
142	45.9	22.1	33.1#
249	34.6	34.8	52.2#

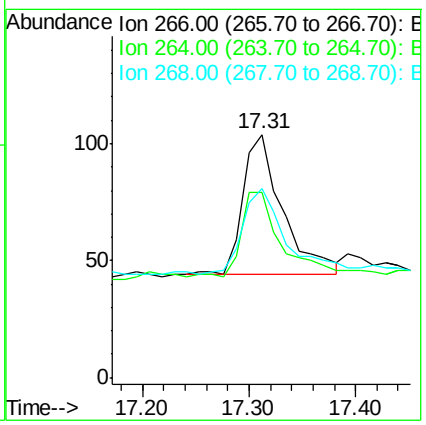


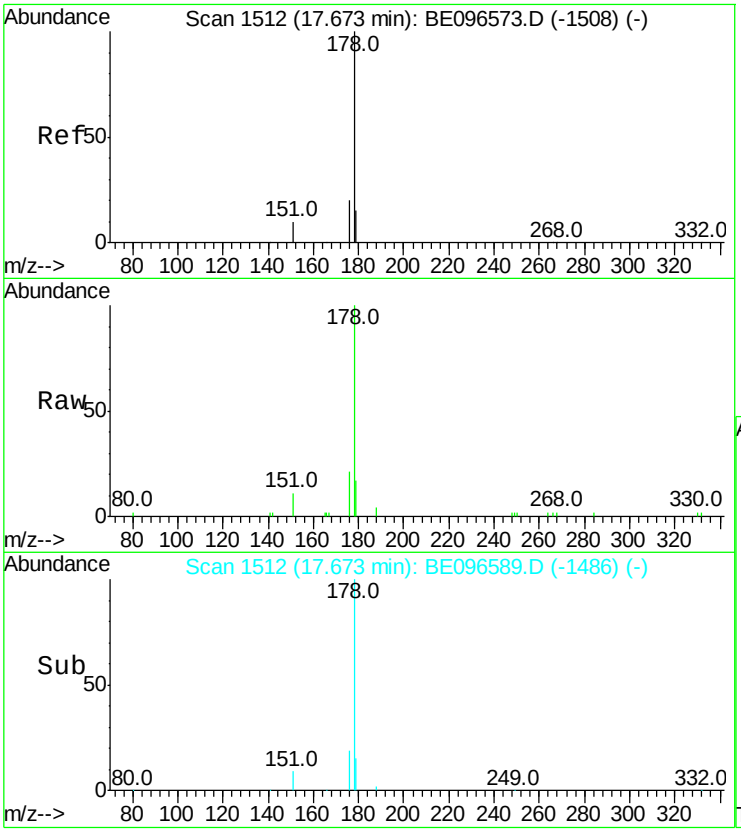


#22
Pentachlorophenol
Concen: 0.416 ng
RT: 17.31 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:266 Resp: 155

Ion	Ratio	Lower	Upper
266	100		
264	76.0	72.5	108.7
268	77.9	73.8	110.6



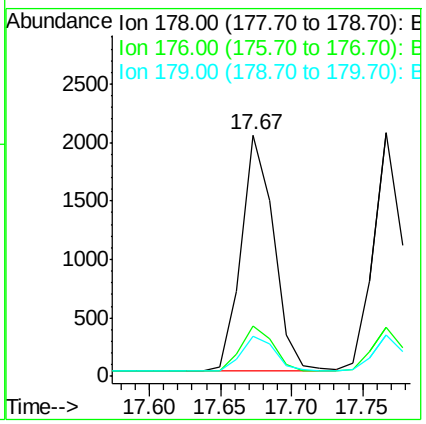


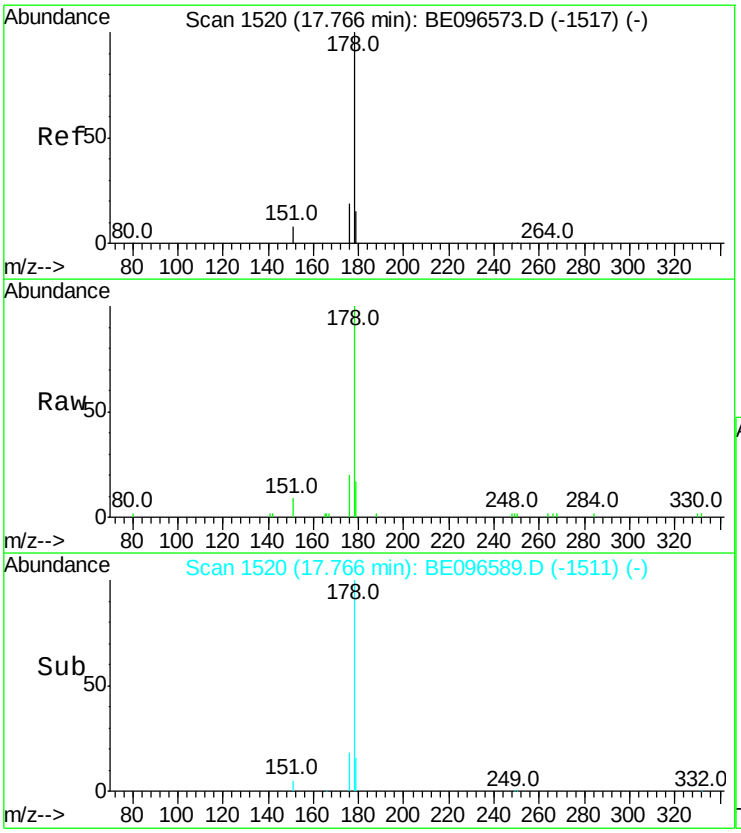
#23
Phenanthrene
Concen: 0.351 ng
RT: 17.67 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 3208

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	14.9	11.8	17.6

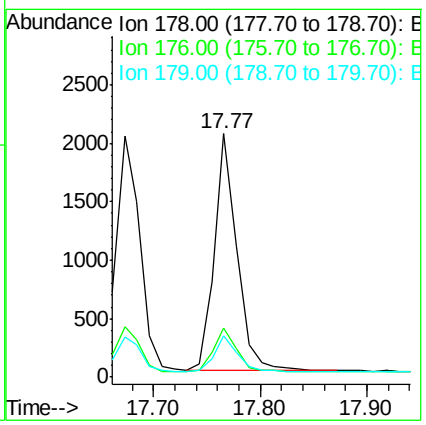


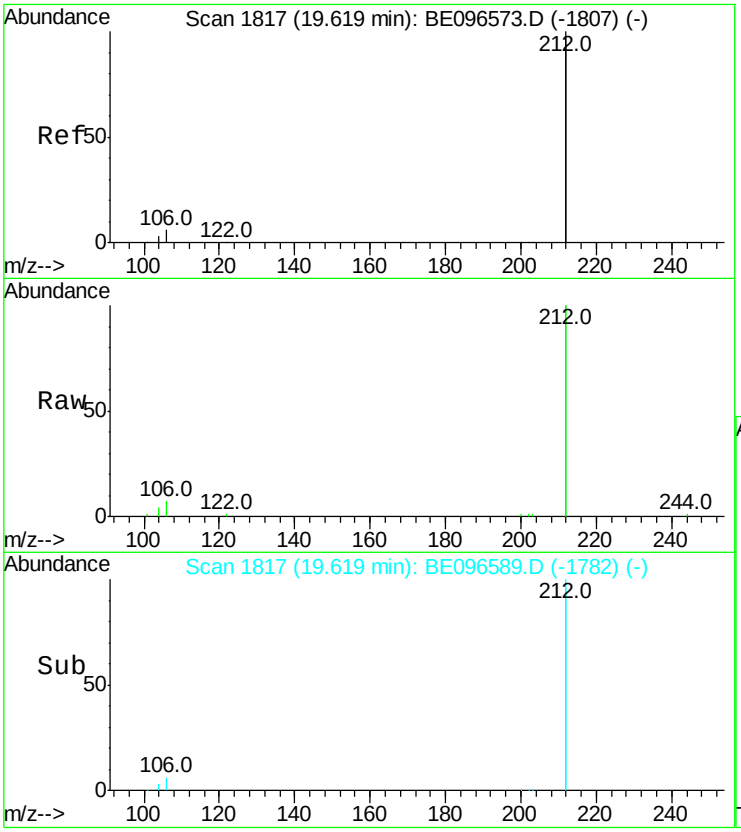


#24
Anthracene
Concen: 0.352 ng
RT: 17.77 min Scan# 1520
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:178 Resp: 2998

Ion	Ratio	Lower	Upper
178	100		
176	19.1	12.8	19.2
179	14.8	13.0	19.6



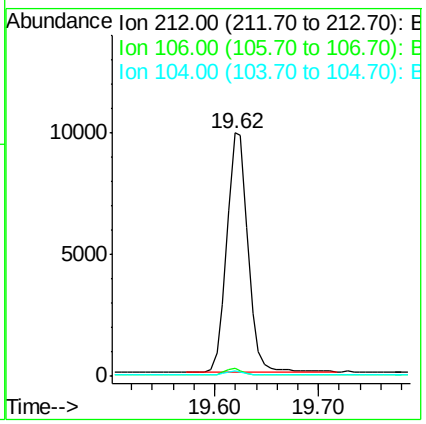


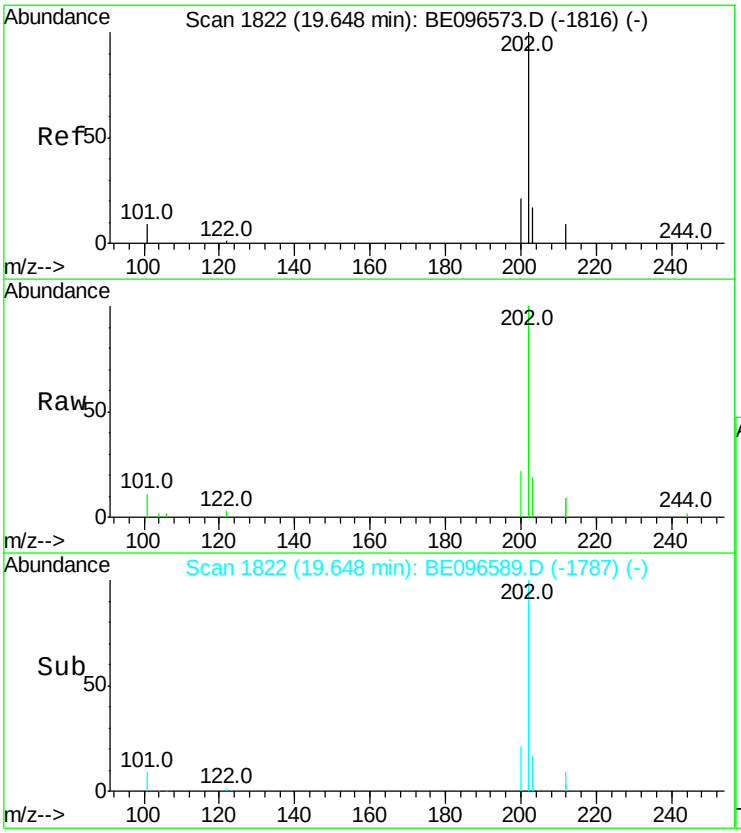
#25
Fluoranthene-d10
Concen: 0.349 ng
RT: 19.62 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 13886

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

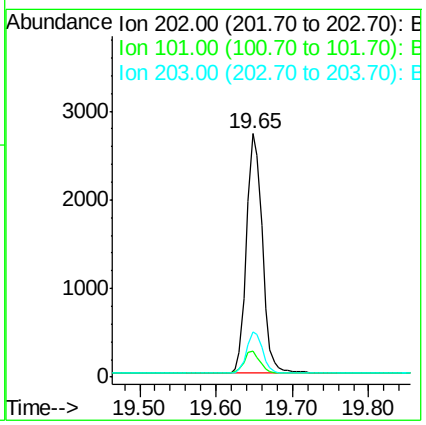


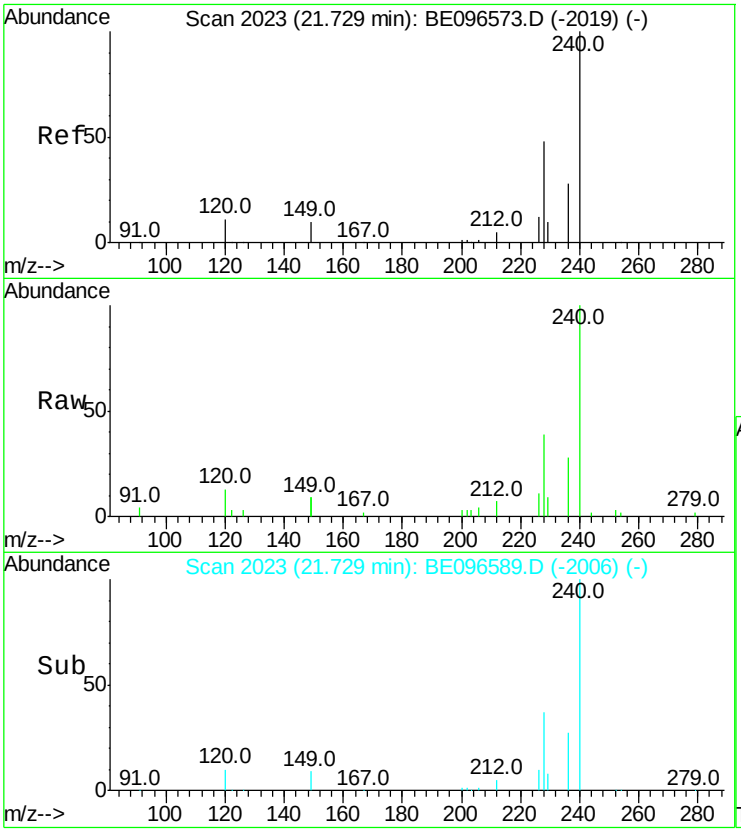


#26
Fluoranthene
Concen: 0.355 ng
RT: 19.65 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:202 Resp: 3880

Ion	Ratio	Lower	Upper
202	100		
101	9.6	9.8	14.8#
203	17.1	13.7	20.5



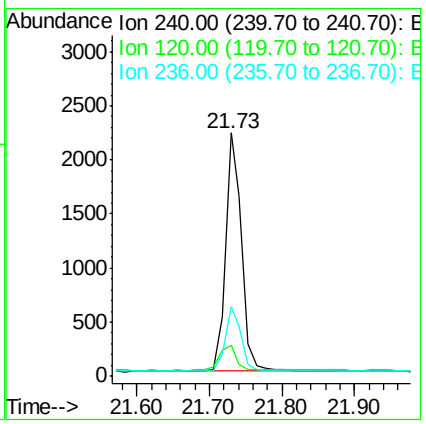


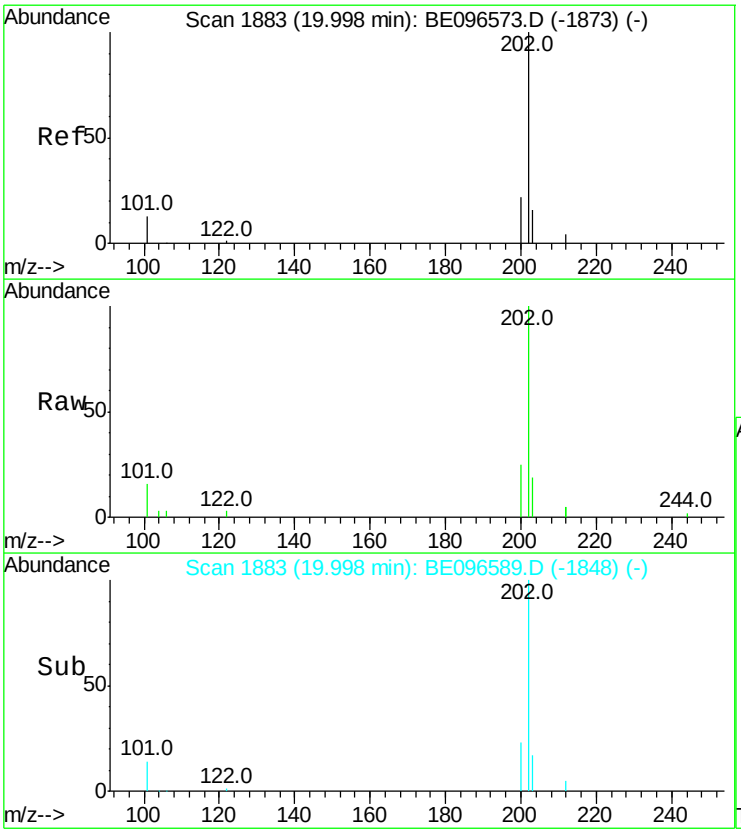
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.73 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 3454

Ion	Ratio	Lower	Upper
240	100		
120	12.6	5.5	8.3#
236	28.5	20.7	31.1

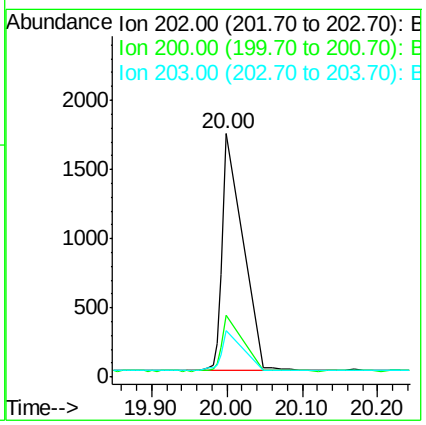


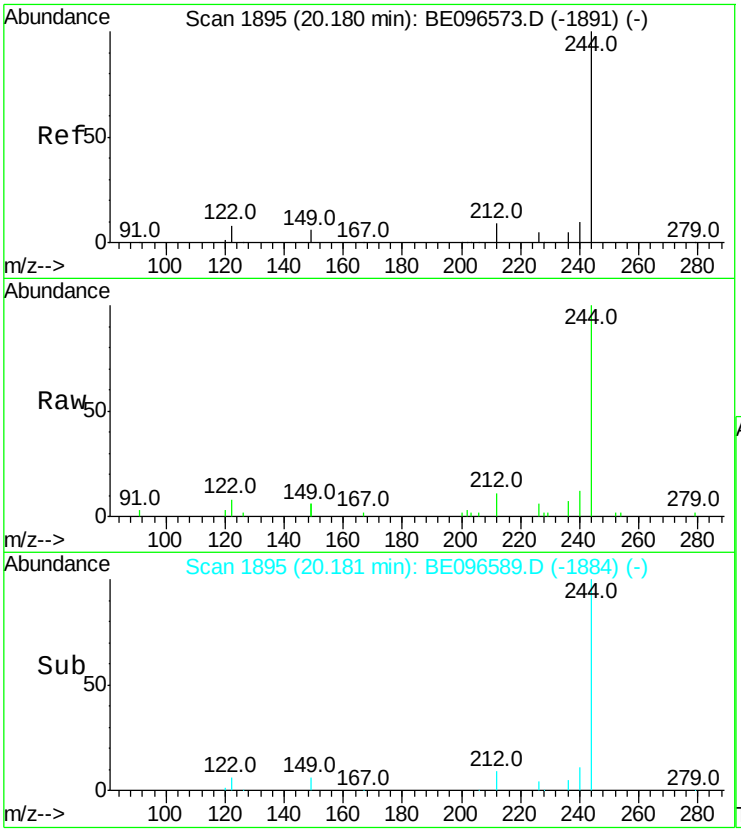


#28
Pyrene
Concen: 0.294 ng
RT: 20.00 min Scan# 1883
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:202 Resp: 1835

Ion	Ratio	Lower	Upper
202	100		
200	23.8	16.6	25.0
203	18.2	13.8	20.8



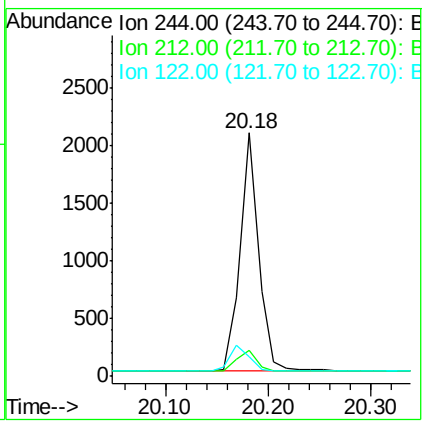


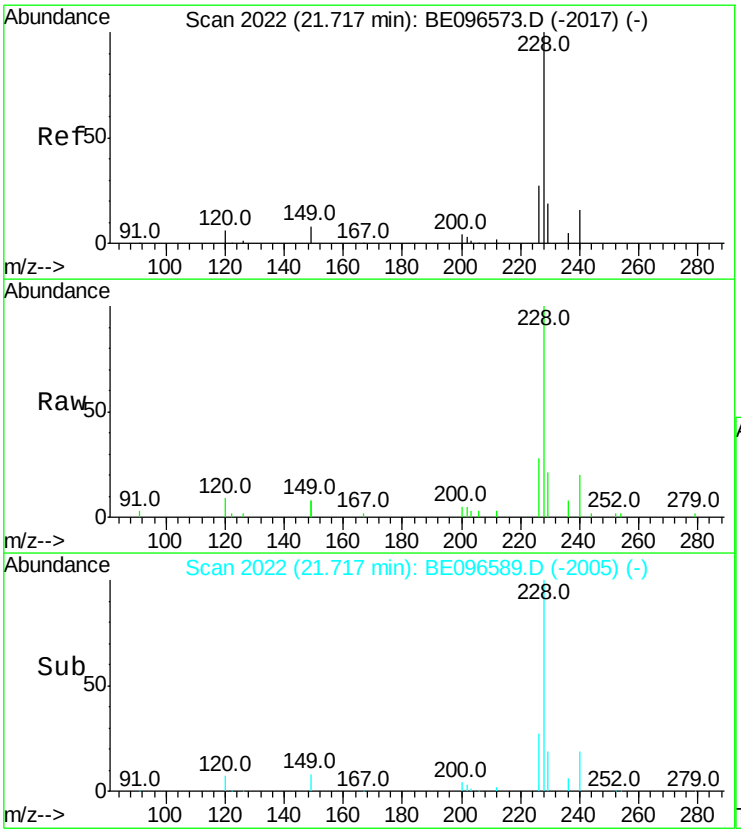
#29
Terphenyl-d14
Concen: 0.332 ng
RT: 20.18 min Scan# 1895
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 2598

Ion	Ratio	Lower	Upper
244	100		
212	10.6	25.4	38.0#
122	8.3	8.1	12.1

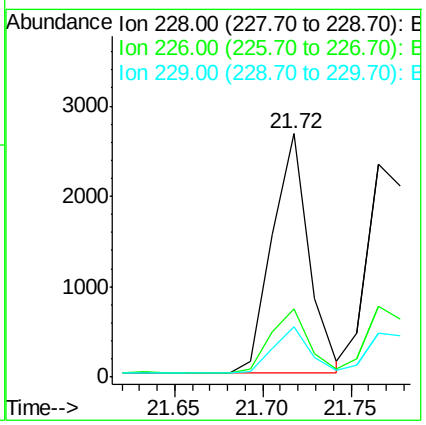


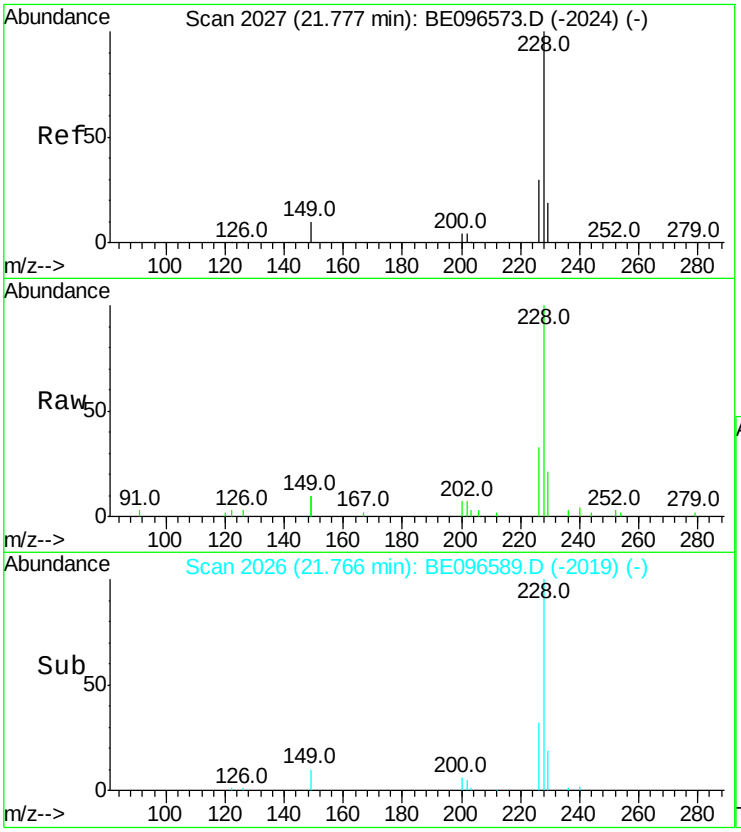


#30
Benzo(a)anthracene
Concen: 0.361 ng
RT: 21.72 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:228 Resp: 3834

Ion	Ratio	Lower	Upper
228	100		
226	28.2	24.0	36.0
229	20.8	16.0	24.0



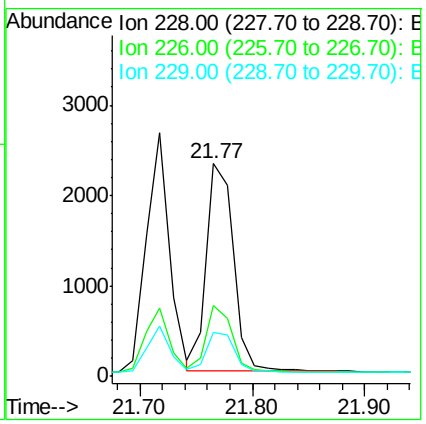


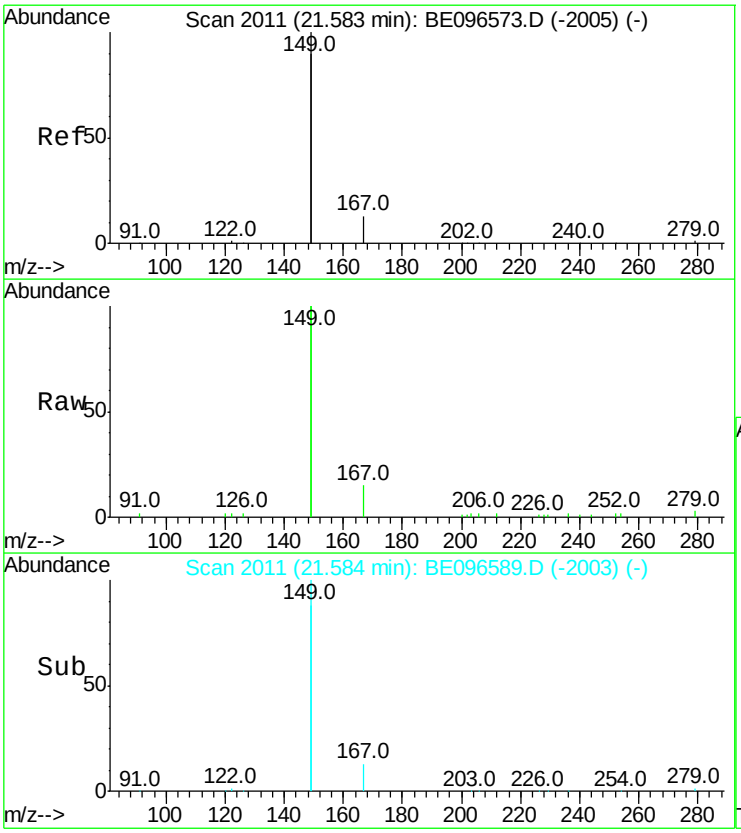
#31
Chrysene
Concen: 0.346 ng
RT: 21.77 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 3826

Ion	Ratio	Lower	Upper
228	100		
226	33.3	24.0	36.0
229	20.7	16.0	24.0

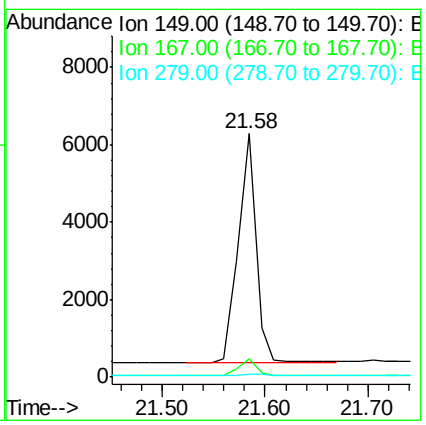


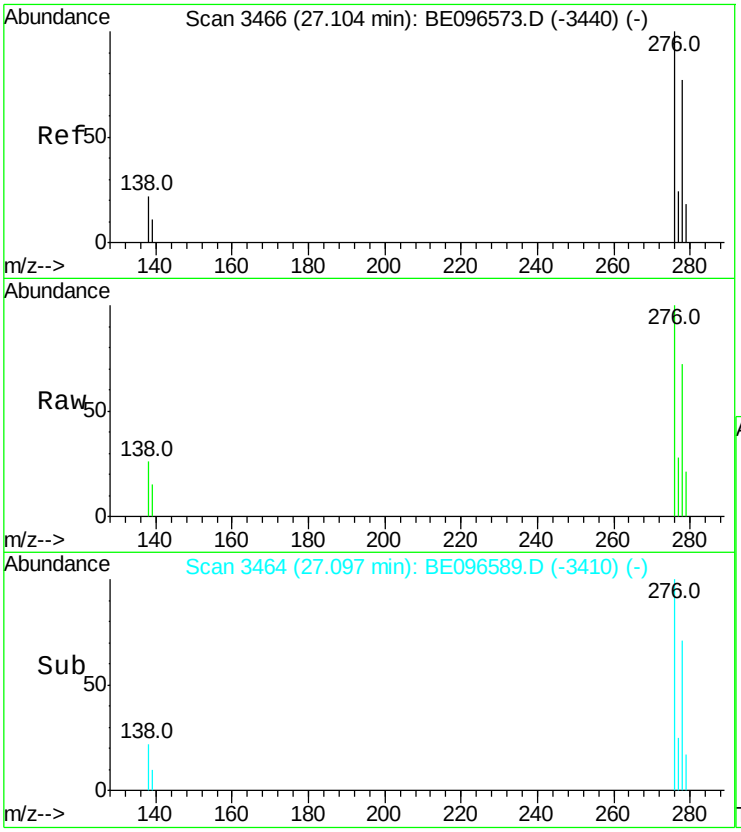


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.310 ng
RT: 21.58 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:149 Resp: 7055

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.4	8.0
279	1.1	0.7	1.1#



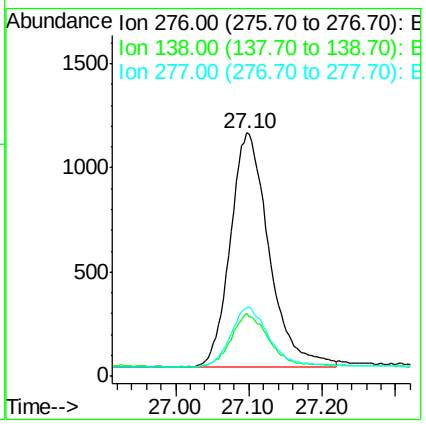


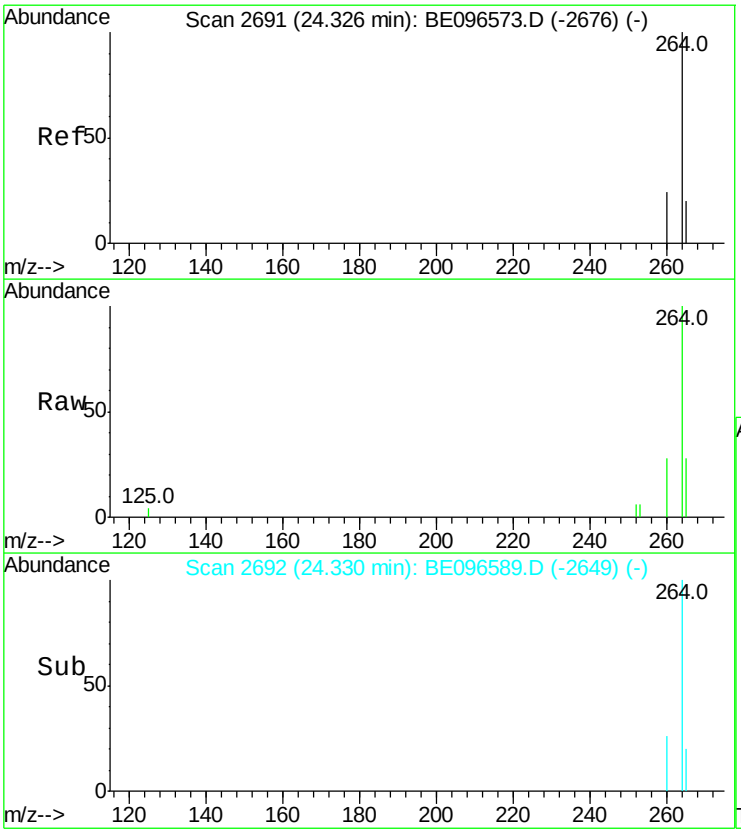
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.388 ng
RT: 27.10 min Scan# 3464
Delta R.T. -0.01 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 4116

Ion	Ratio	Lower	Upper
276	100		
138	21.7	22.5	33.7#
277	24.7	19.9	29.9

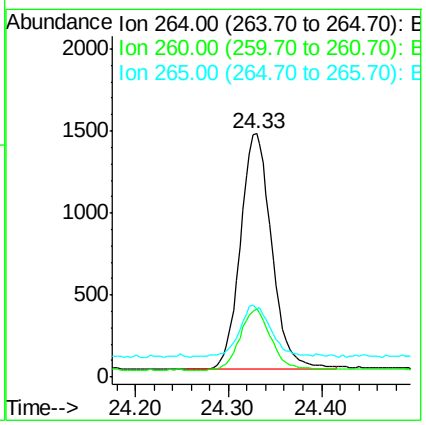


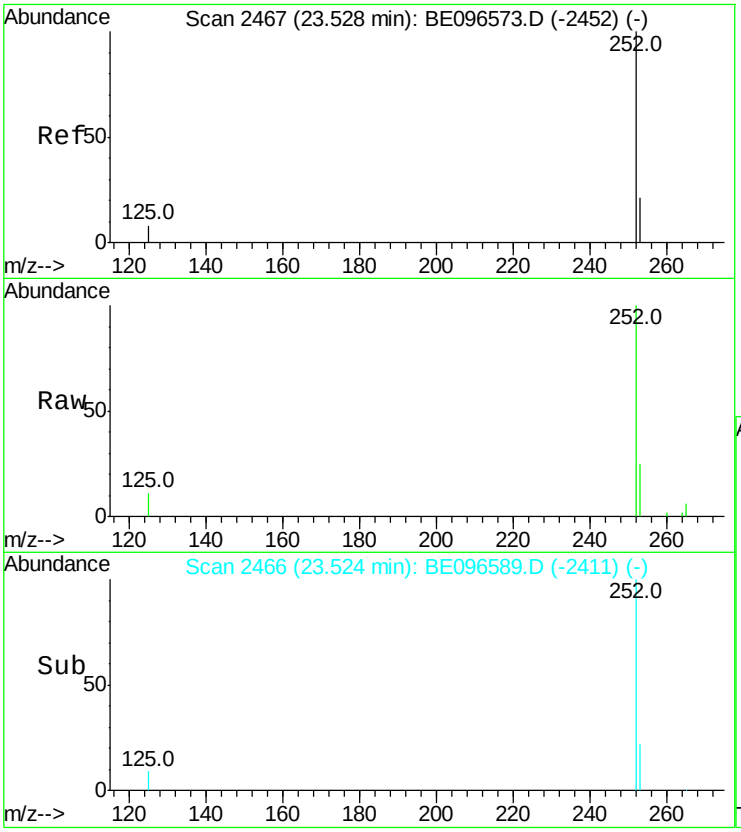


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.33 min Scan# 2692
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:264 Resp: 3367

Ion	Ratio	Lower	Upper
264	100		
260	27.8	20.5	30.7
265	28.2	22.8	34.2



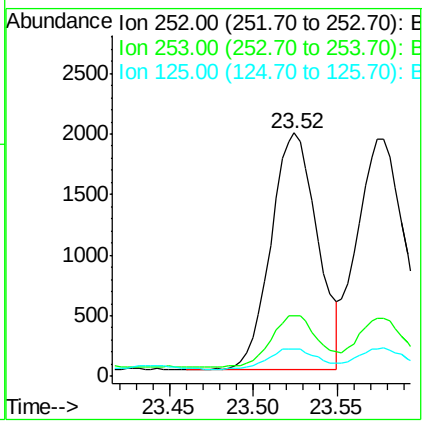


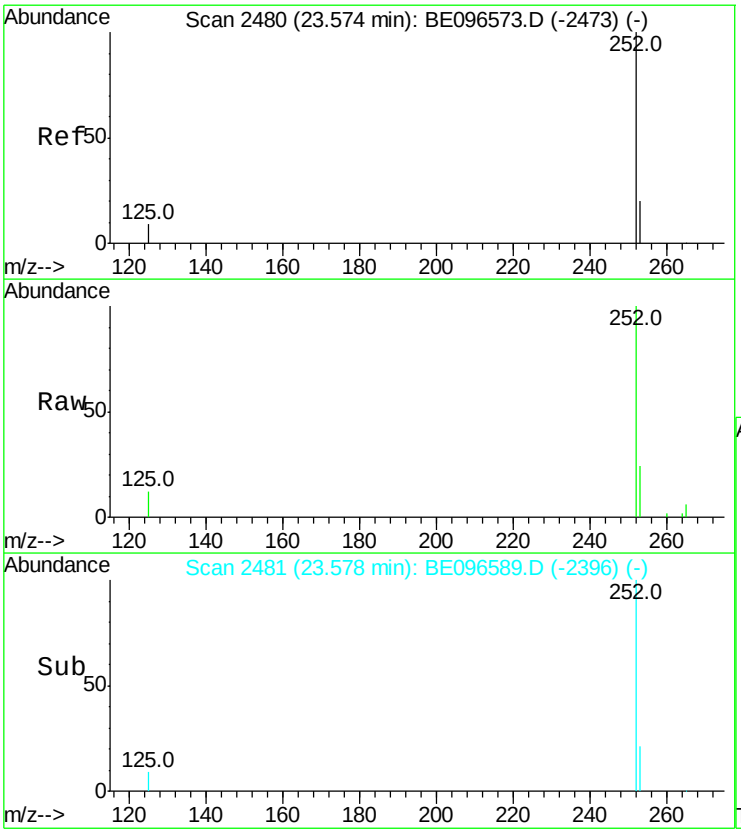
#35
Benzo(b)fluoranthene
Concen: 0.365 ng
RT: 23.52 min Scan# 2466
Delta R.T. -0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 3792

Ion	Ratio	Lower	Upper
252	100		
253	25.1	20.0	30.0
125	11.4	16.0	24.0#

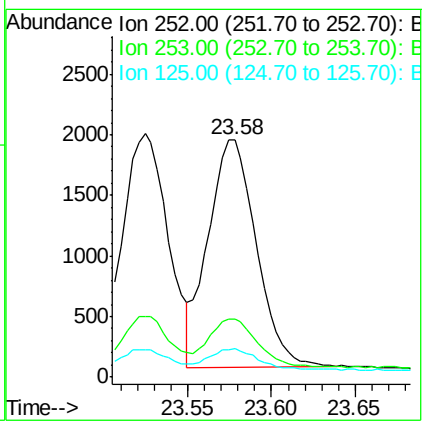


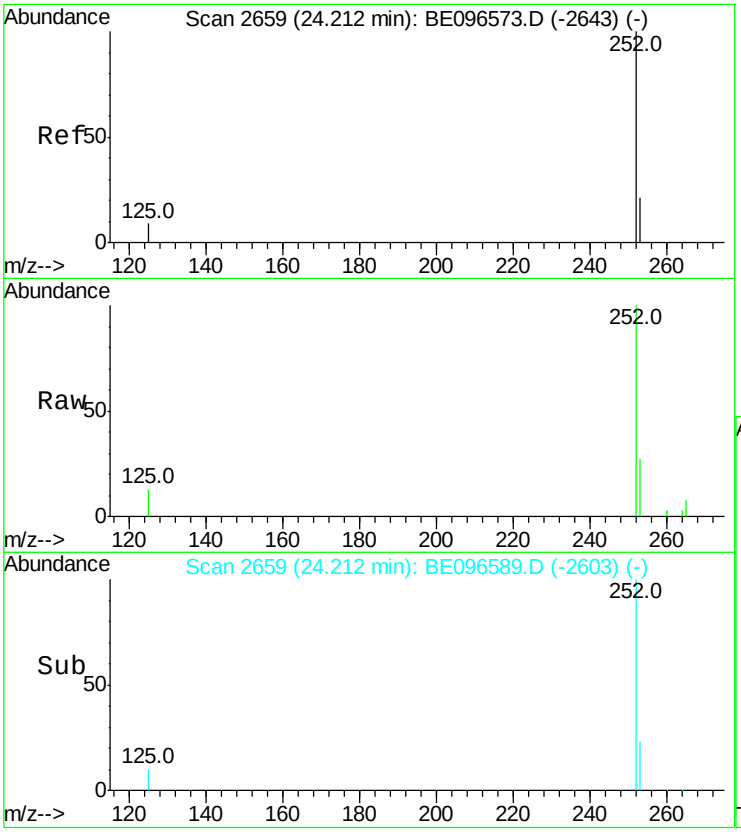


#36
Benzo(k)fluoranthene
Concen: 0.342 ng
RT: 23.58 min Scan# 2481
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:252 Resp: 3764

Ion	Ratio	Lower	Upper
252	100		
253	24.4	16.0	24.0#
125	12.1	8.0	12.0#



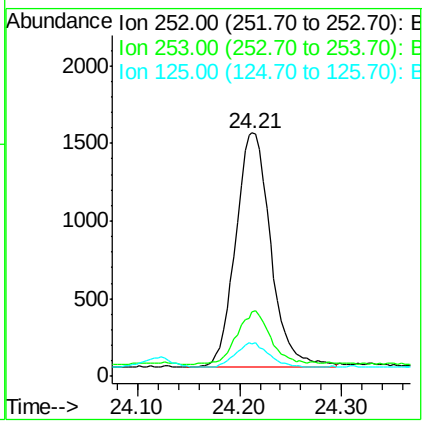


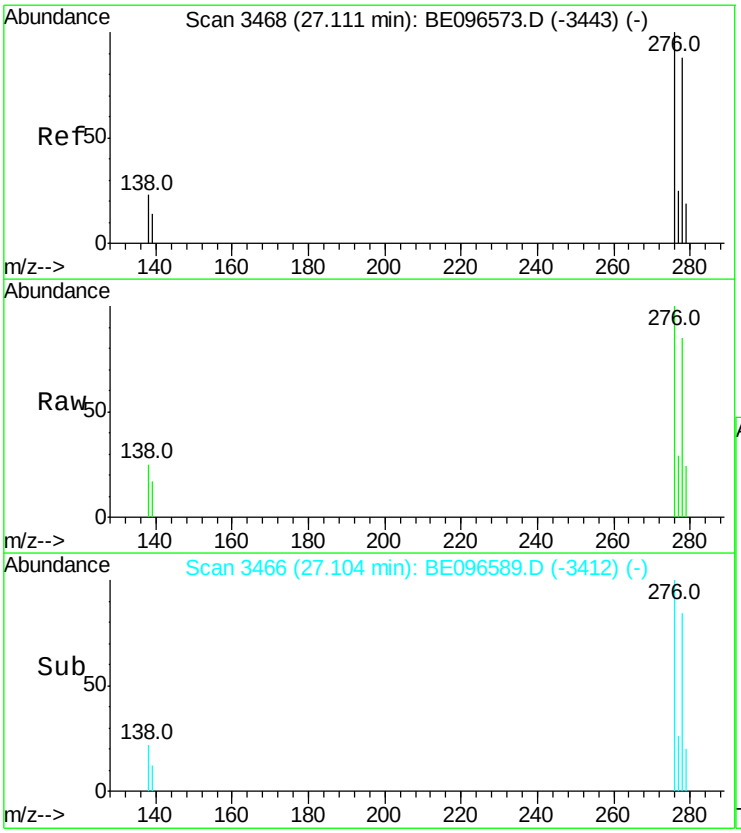
#37
Benzo(a)pyrene
Concen: 0.364 ng
RT: 24.21 min Scan# 2659
Delta R.T. 0.00 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 3616

Ion	Ratio	Lower	Upper
252	100		
253	26.7	16.0	24.0#
125	13.4	12.0	18.0

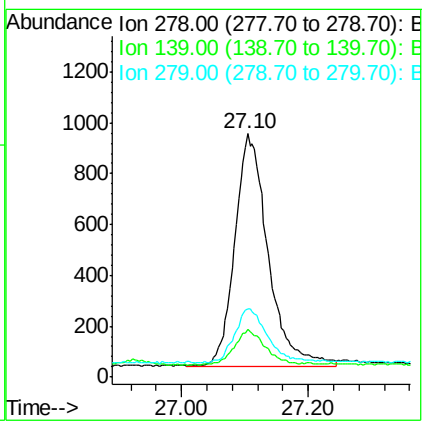


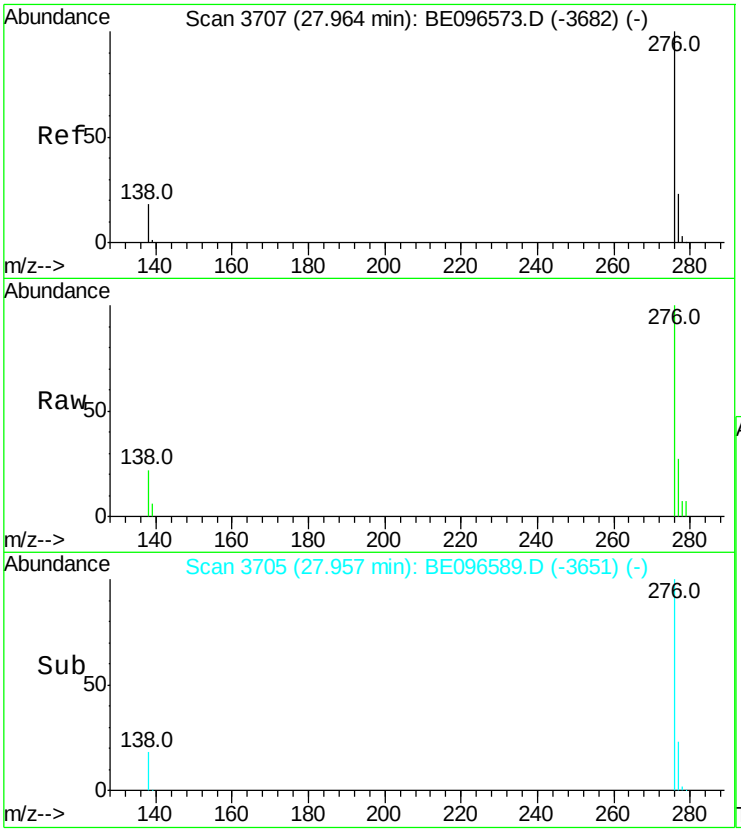


#38
Dibenzo(a,h)anthracene
Concen: 0.365 ng
RT: 27.10 min Scan# 3466
Delta R.T. -0.01 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Tgt Ion:278 Resp: 3314

Ion	Ratio	Lower	Upper
278	100		
139	19.8	16.0	24.0
279	27.8	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.365 ng
RT: 27.96 min Scan# 3705
Delta R.T. -0.01 min
Lab File: BE096589.D
Acq: 16 May 2018 9:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 3470

Ion	Ratio	Lower	Upper
276	100		
277	27.1	16.0	24.0#
138	21.9	20.0	30.0