Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051518\
Data File : BE096584.D
Acq On : 15 May 2018 18:48
Operator : SJ/JU
Sample : PB108889BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: May 16 05:36:13 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	817	0.40	ng		0.00
7) Naphthalene-d8	11.18	136	3115	0.40	ng		0.00
13) Acenaphthene-d10	14.92	164	1562	0.40	ng		0.00
19) Phenanthrene-d10	17.64	188	3212	0.40	ng		0.00
27) Chrysene-d12	21.73	240	3378	0.40	ng		0.00
34) Perylene-d12	24.33	264	3374	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.85	112	922	0.41	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	1637	0.32	ng		0.00
14) 2,4,6-Tribromophenol	16.40	330	201	0.33	ng		0.00
15) 2-Fluorobiphenyl	13.56	172	2494	0.37	ng		0.00
25) Fluoranthene-d10	19.62	212	13722	0.35	ng		0.00
29) Terphenyl-d14	20.18	244	2544	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.60	88	355	0.290	ng	#	72
3) n-Nitrosodimethylamine	3.95	42	633	0.413	ng	#	70
6) bis(2-Chloroethyl)ether	7.75	93	994	0.333	ng		92
9) Naphthalene	11.22	128	11519	0.352	ng		99
10) Hexachlorobutadiene	11.49	225	508	0.277	ng		92
12) 2-Methylnaphthalene	12.79	142	1904	0.339	ng		96
16) Acenaphthylene	14.66	152	2665	0.327	ng		99
17) Acenaphthene	14.99	154	1615	0.325	ng		91
18) Fluorene	15.96	166	2598	0.420	ng	#	78
20) 4-Bromophenyl-phenylether	16.82	248	628	0.322	ng	#	74
21) Hexachlorobenzene	16.95	284	654	0.322	ng	#	80
22) Pentachlorophenol	17.30	266	253	0.569	ng		85
23) Phenanthrene	17.67	178	3103	0.344	ng		99
24) Anthracene	17.77	178	2885	0.344	ng		95
26) Fluoranthene	19.65	202	3730	0.346	ng	#	97
28) Pyrene	20.00	202	1678	0.275	ng		97
30) Benzo(a)anthracene	21.72	228	3750	0.361	ng		97
31) Chrysene	21.78	228	3755	0.347	ng		98
32) Bis(2-ethylhexyl)phthalate	21.58	149	7148	0.322	ng		100
33) Indeno(1,2,3-cd)pyrene	27.10	276	4075	0.393	ng	#	93
35) Benzo(b)fluoranthene	23.52	252	3727	0.358	ng	#	91
36) Benzo(k)fluoranthene	23.58	252	3776	0.343	ng	#	89
37) Benzo(a)pyrene	24.21	252	3561	0.358	ng	#	91
38) Dibenzo(a,h)anthracene	27.11	278	3363	0.370	ng		94
39) Benzo(g,h,i)perylene	27.96	276	3507	0.368	ng	#	92

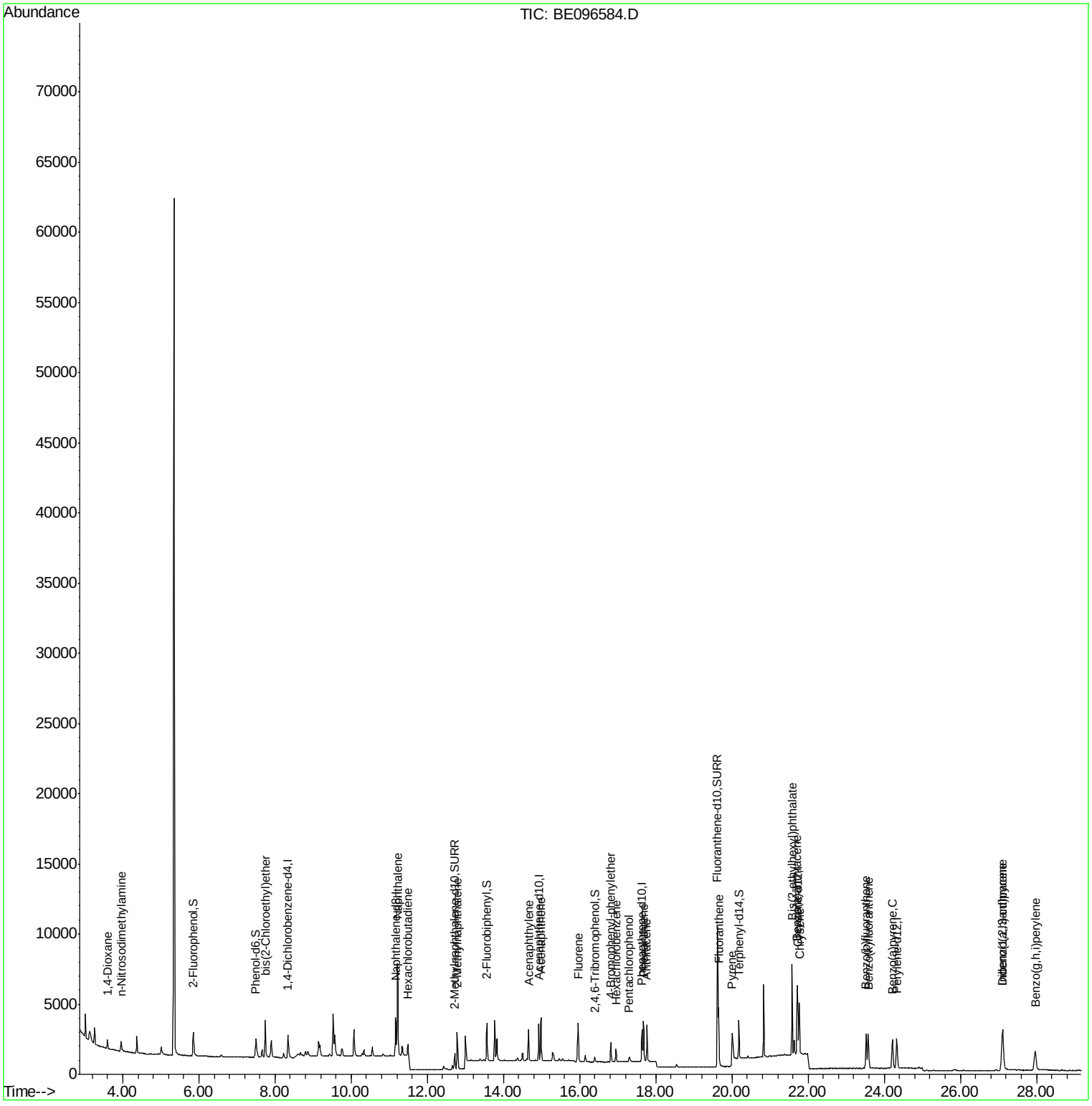
(#) = qualifier out of range (m) = manual integration (+) = signals summed

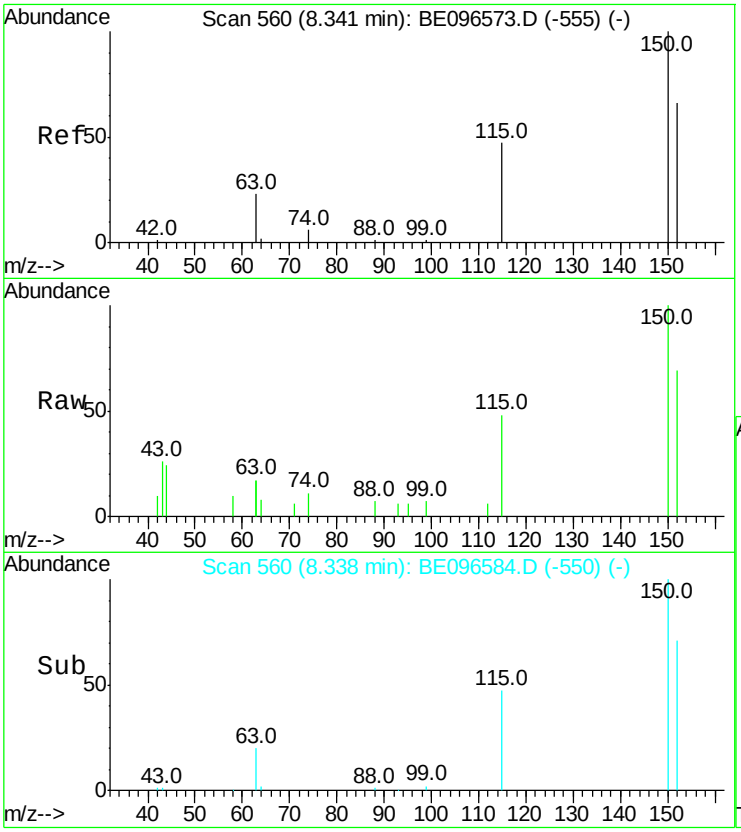
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051518\
Data File : BE096584.D
Acq On : 15 May 2018 18:48
Operator : SJ/JU
Sample : PB108889BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: May 16 05:36:13 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



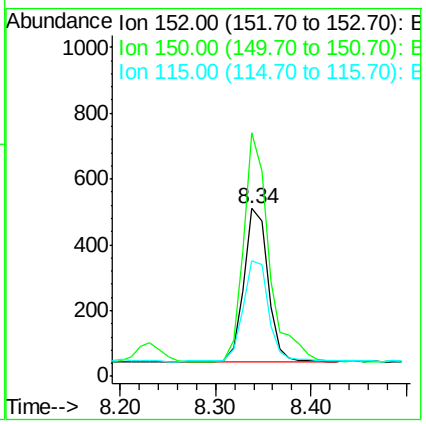


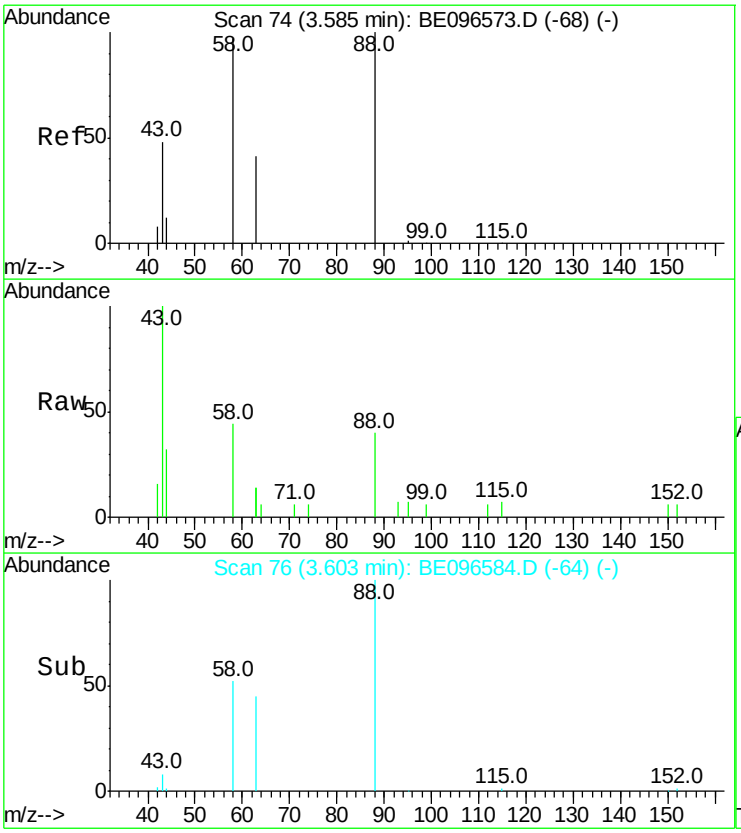
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.34 min Scan# 560
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 817

Ion	Ratio	Lower	Upper
152	100		
150	145.1	117.2	175.8
115	69.2	57.0	85.6

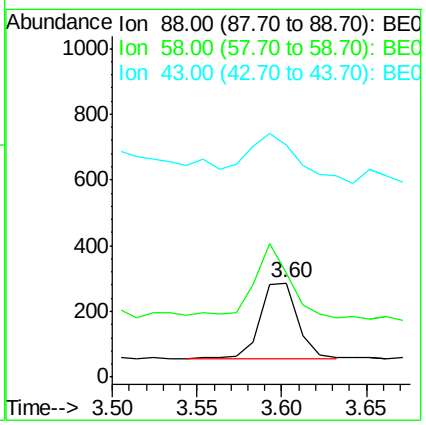


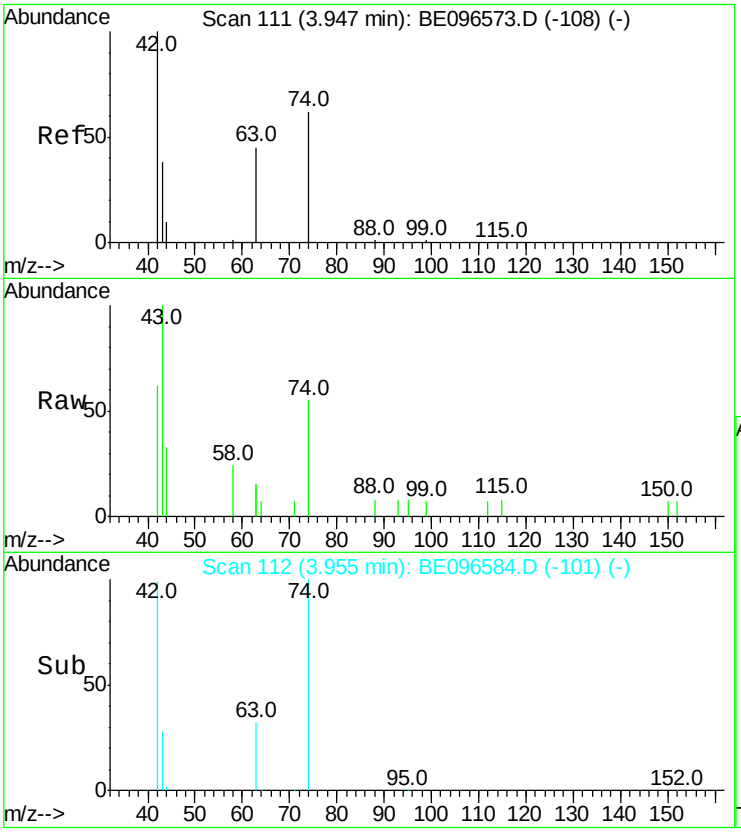


#2
1,4-Dioxane
Concen: 0.290 ng
RT: 3.60 min Scan# 76
Delta R.T. 0.02 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion: 88 Resp: 355

Ion	Ratio	Lower	Upper
88	100		
58	87.9	63.2	94.8
43	89.6	41.2	61.8#



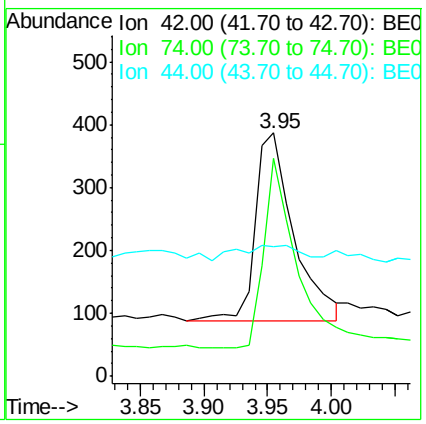


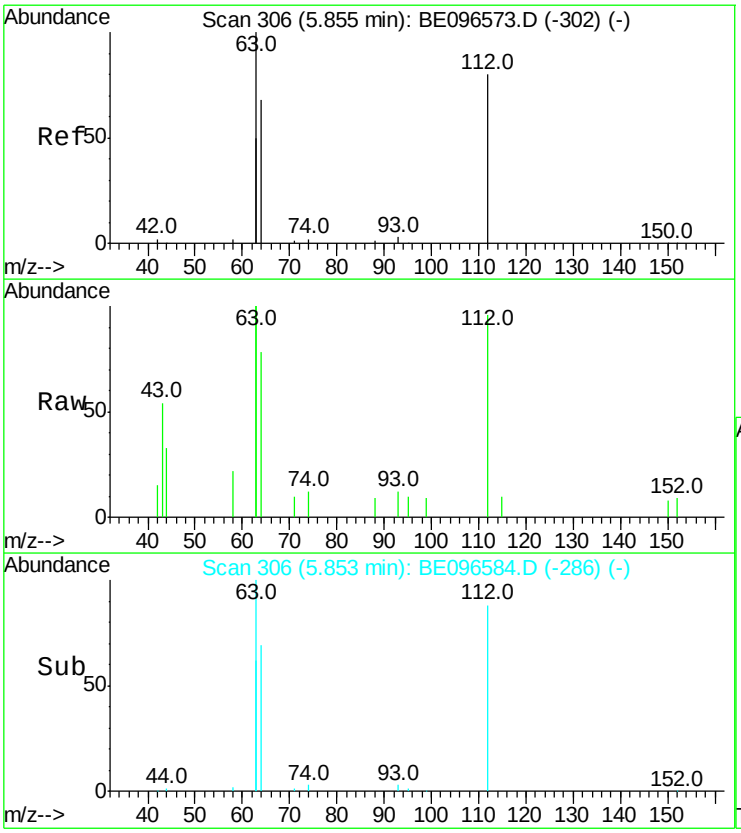
#3
n-Nitrosodimethylamine
Concen: 0.413 ng
RT: 3.95 min Scan# 112
Delta R.T. 0.01 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 633

Ion	Ratio	Lower	Upper
42	100		
74	82.9	96.0	144.0#
44	12.8	12.0	18.0

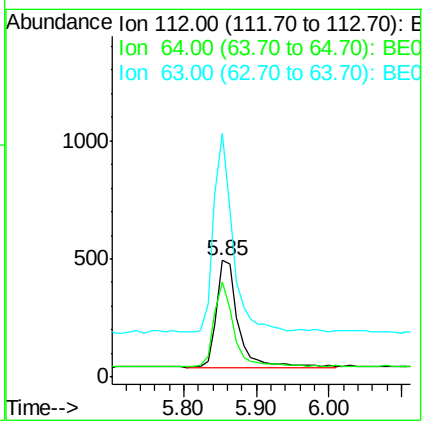


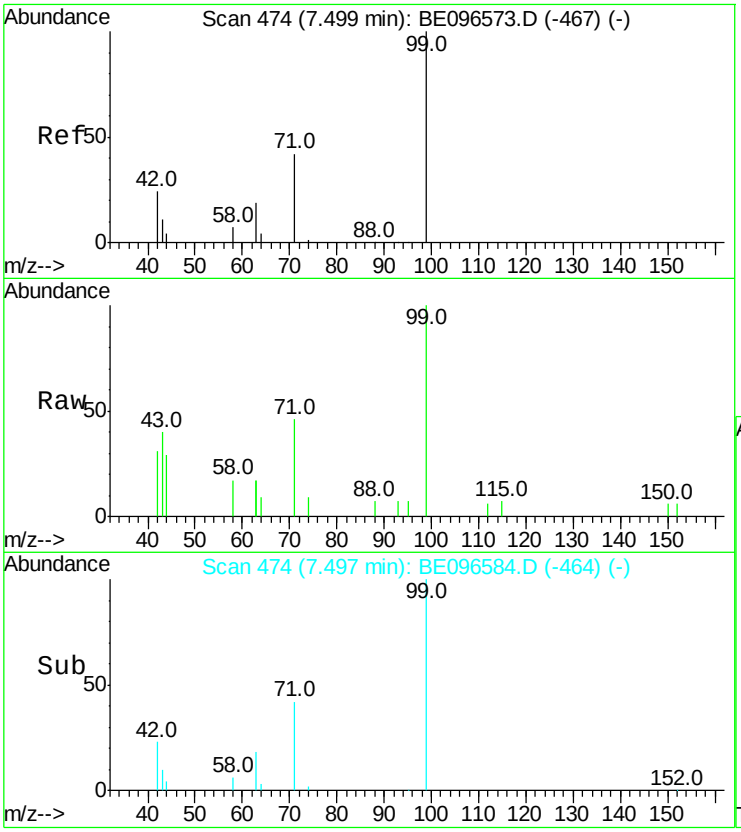


#4
2-Fluorophenol
Concen: 0.409 ng
RT: 5.85 min Scan# 306
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:112 Resp: 922

Ion	Ratio	Lower	Upper
112	100		
64	71.6	60.1	90.1
63	160.4	116.8	175.2



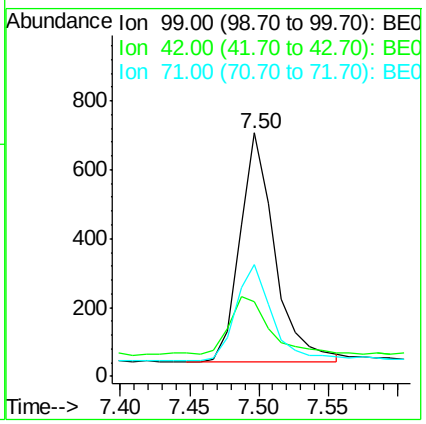


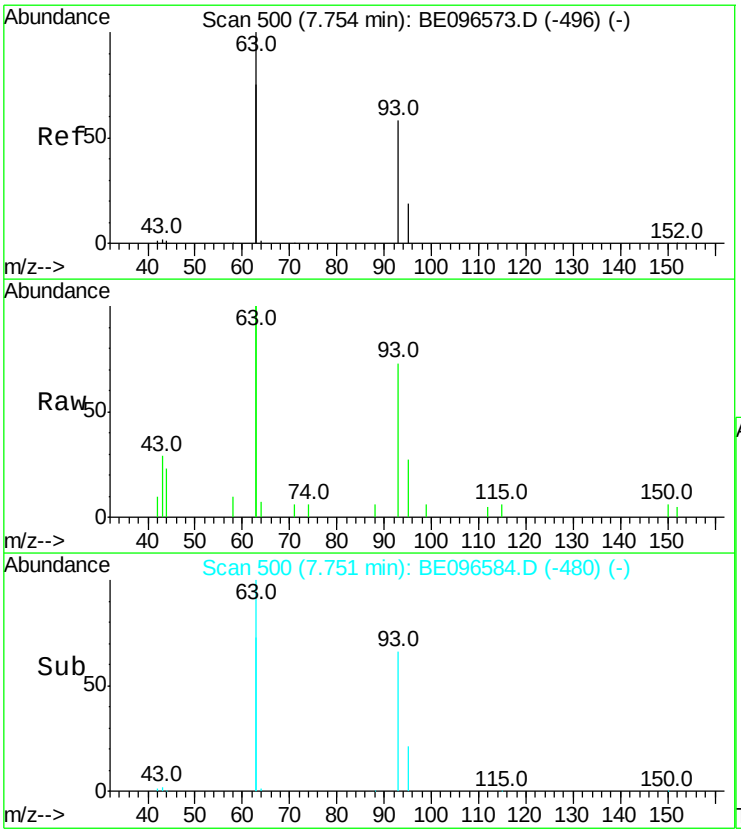
#5
Phenol-d6
Concen: 0.362 ng
RT: 7.50 min Scan# 474
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1155

Ion	Ratio	Lower	Upper
99	100		
42	29.4	20.2	30.2
71	44.4	28.4	42.6#

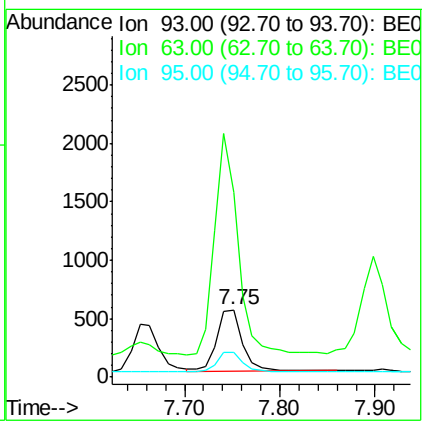


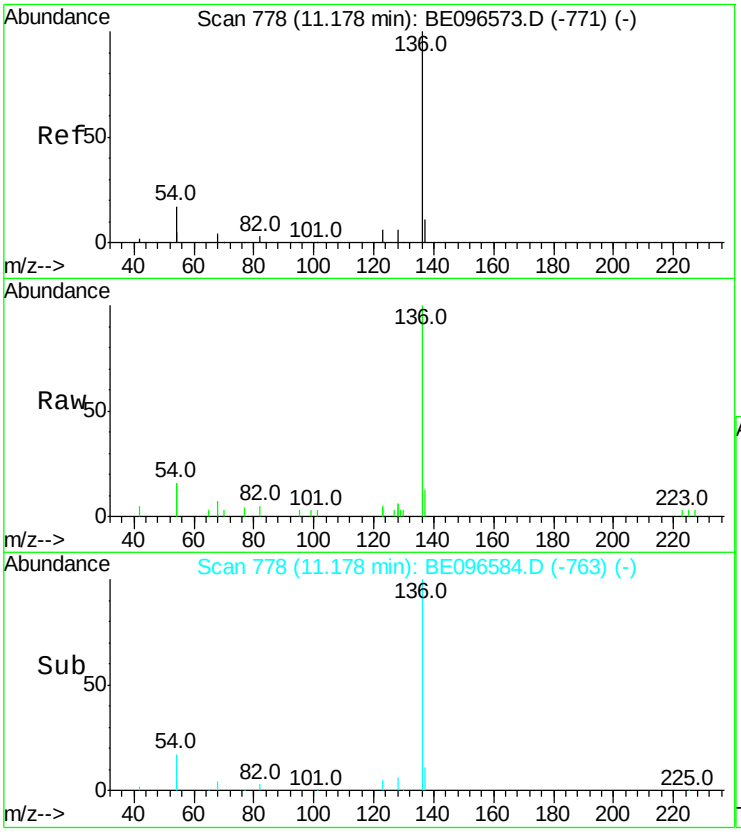


#6
bis(2-Chloroethyl)ether
Concen: 0.333 ng
RT: 7.75 min Scan# 500
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion: 93 Resp: 994

Ion	Ratio	Lower	Upper
93	100		
63	325.4	275.3	412.9
95	31.8	25.2	37.8



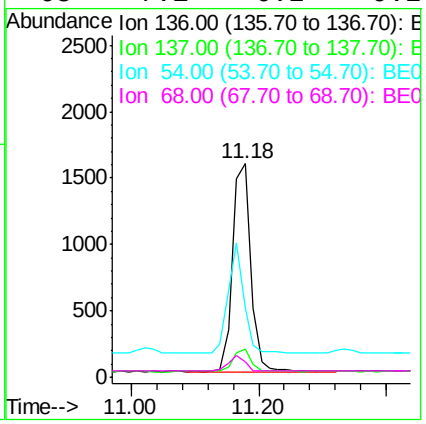


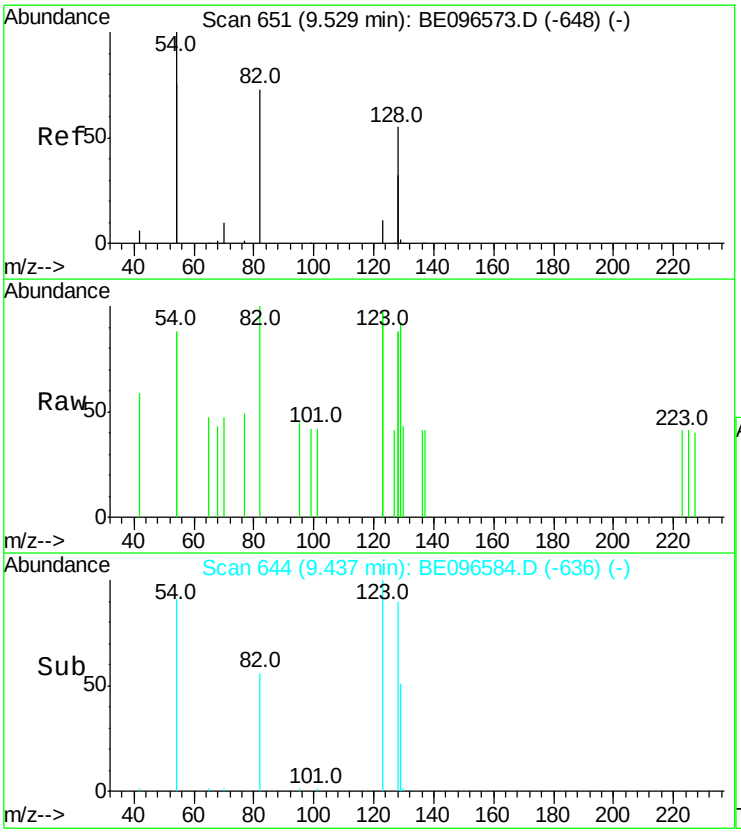
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.18 min Scan# 778
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 3115

Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.5	14.3
54	32.3	29.1	43.7
68	7.1	6.2	9.2

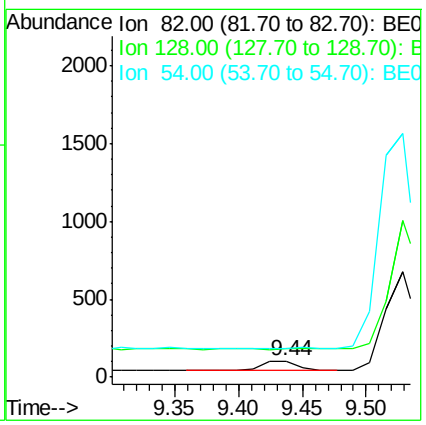


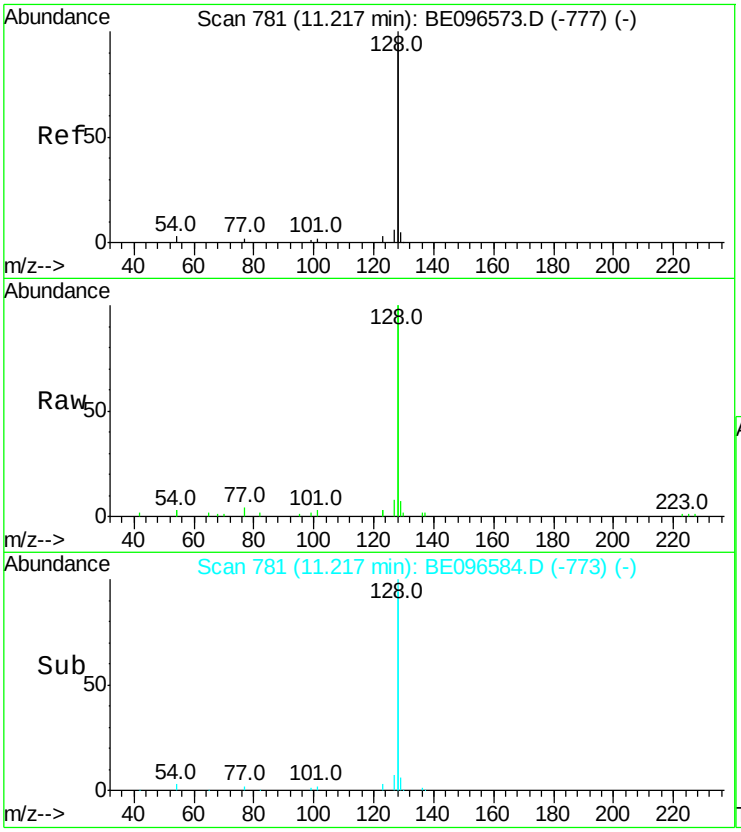


#8
Nitrobenzene-d5
Concen: 0.035 ng
RT: 9.44 min Scan# 644
Delta R.T. -0.09 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion: 82 Resp: 115

Ion	Ratio	Lower	Upper
82	100		
128	175.0	150.0	225.0
54	176.9	154.2	231.4



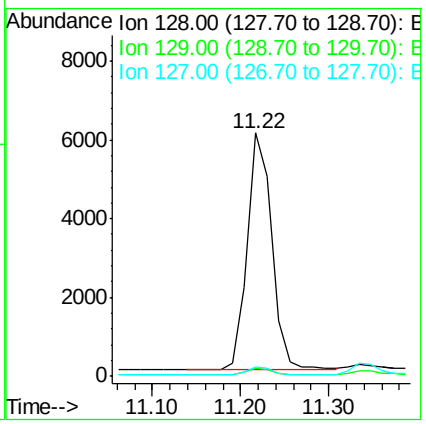


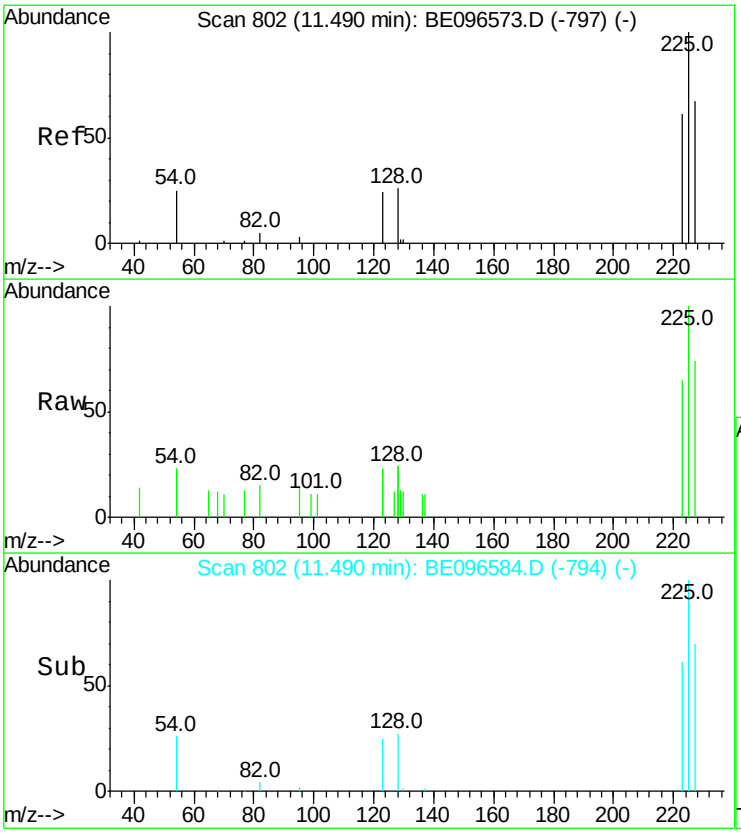
#9
Naphthalene
Concen: 0.352 ng
RT: 11.22 min Scan# 781
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 11519

Ion	Ratio	Lower	Upper
128	100		
129	3.6	2.6	3.8
127	4.0	2.8	4.2

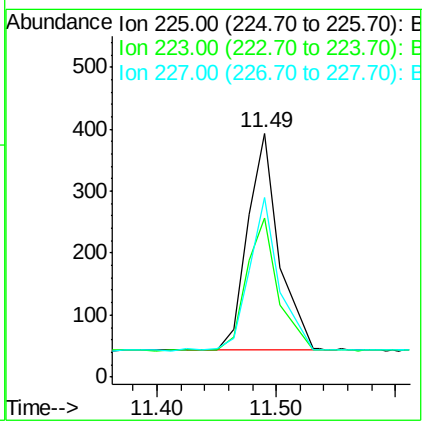


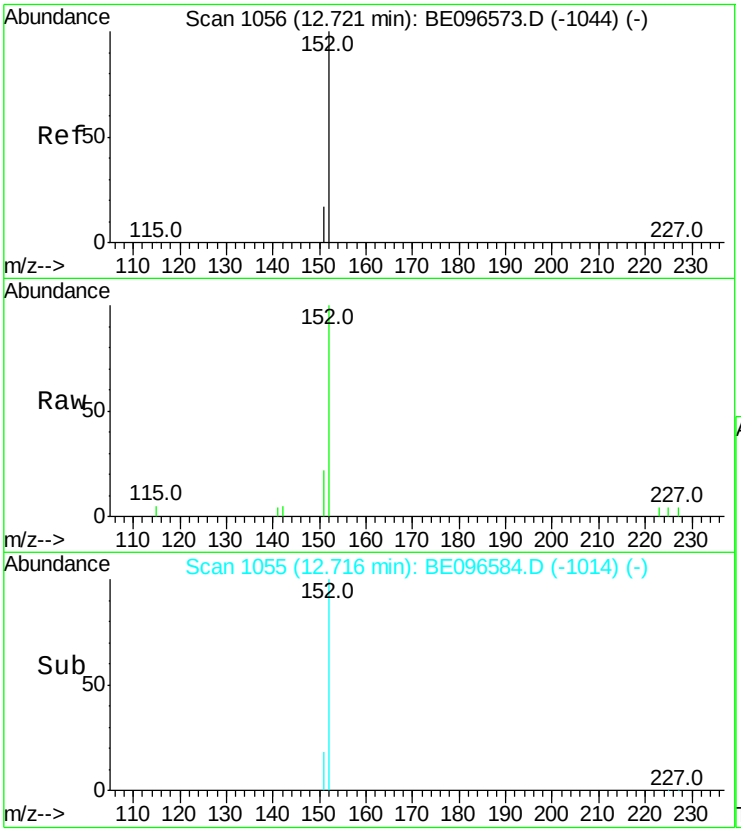


#10
Hexachlorobutadiene
Concen: 0.277 ng
RT: 11.49 min Scan# 802
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:225 Resp: 508

Ion	Ratio	Lower	Upper
225	100		
223	61.6	53.0	79.6
227	72.4	51.4	77.2



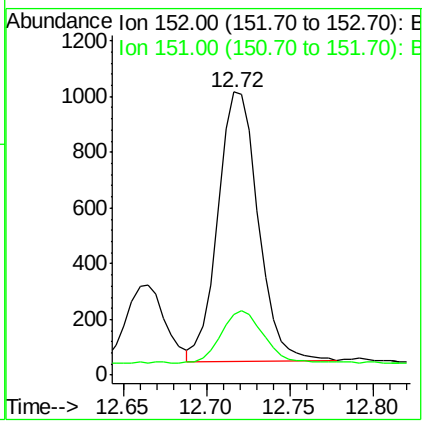


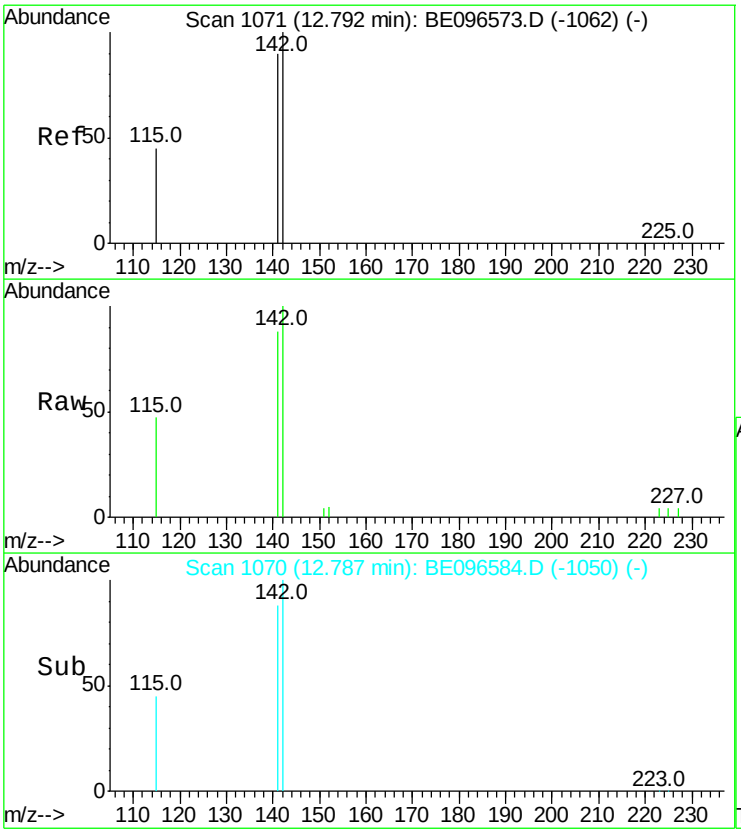
#11
2-Methylnaphthalene-d10
Concen: 0.322 ng
RT: 12.72 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1637

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.4	23.0

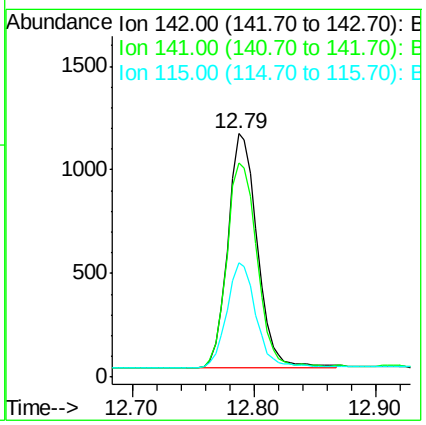


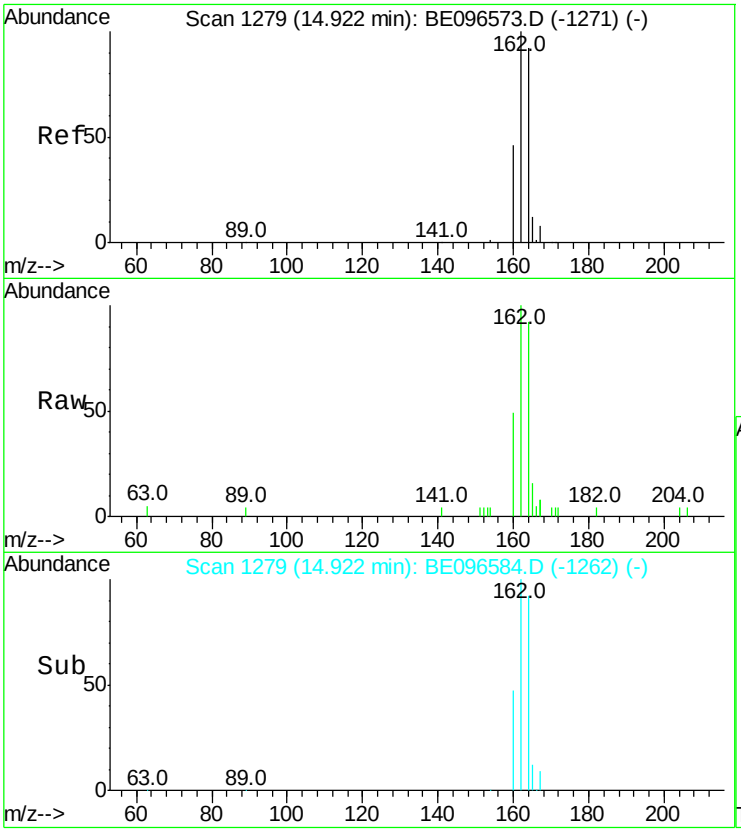


#12
2-Methylnaphthalene
Concen: 0.339 ng
RT: 12.79 min Scan# 1070
Delta R.T. -0.01 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:142 Resp: 1904

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	46.7	31.7	47.5



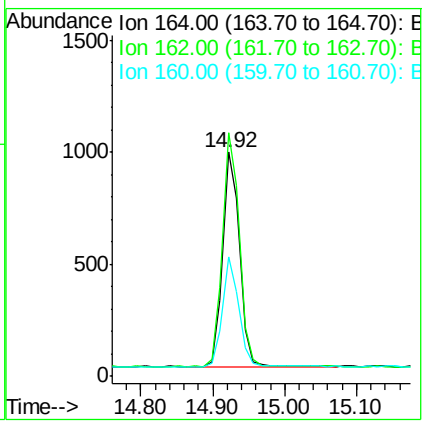


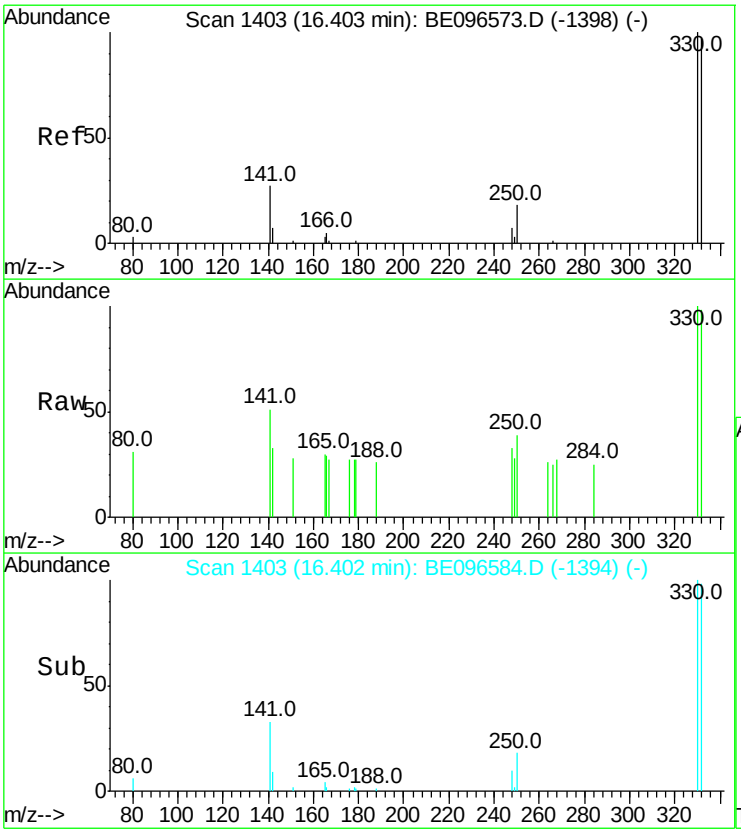
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.92 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 1562

Ion	Ratio	Lower	Upper
164	100		
162	108.7	83.1	124.7
160	53.1	37.1	55.7

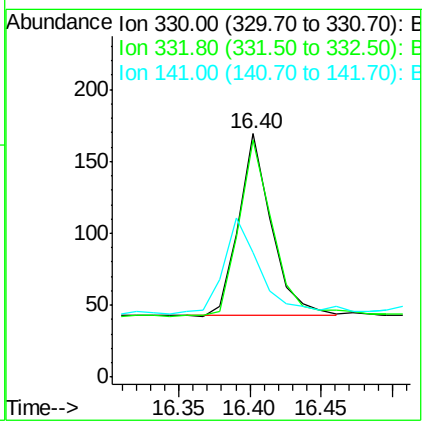


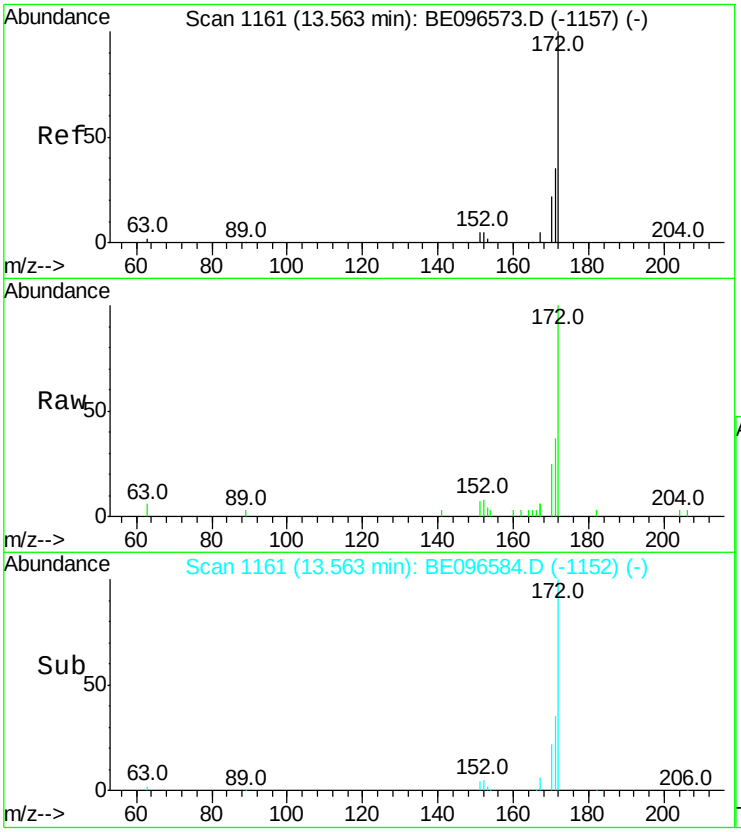


#14
2,4,6-Tribromophenol
Concen: 0.326 ng
RT: 16.40 min Scan# 1403
Delta R.T. 0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:330 Resp: 201

Ion	Ratio	Lower	Upper
330	100		
332	100.5	152.7	229.1#
141	59.2	33.7	50.5#



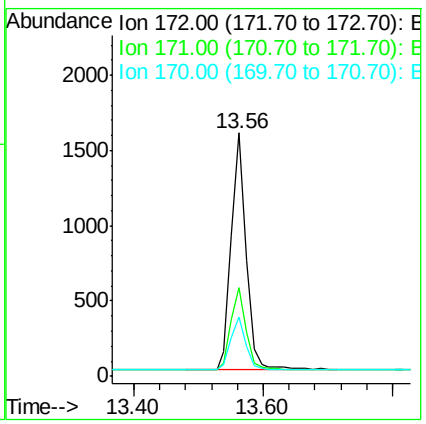


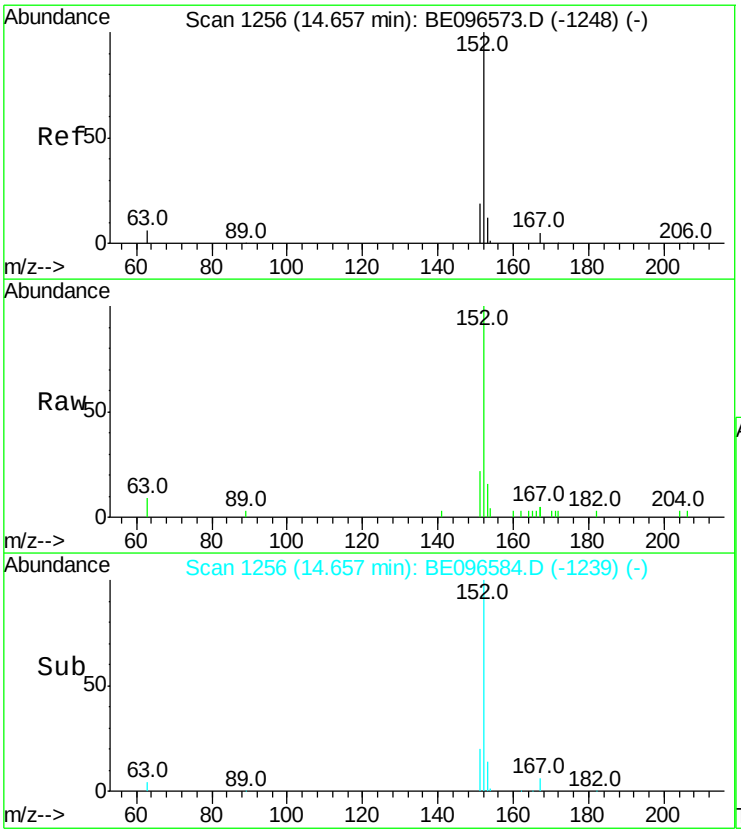
#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 13.56 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 2494

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.9	44.9
170	24.5	21.8	32.8

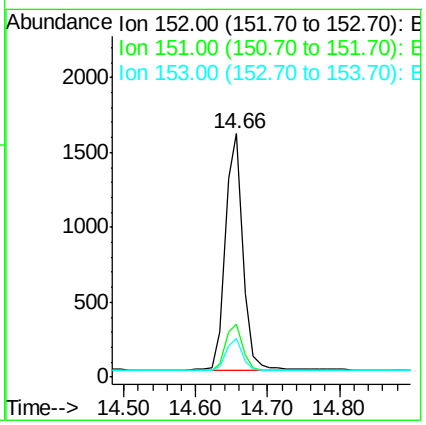


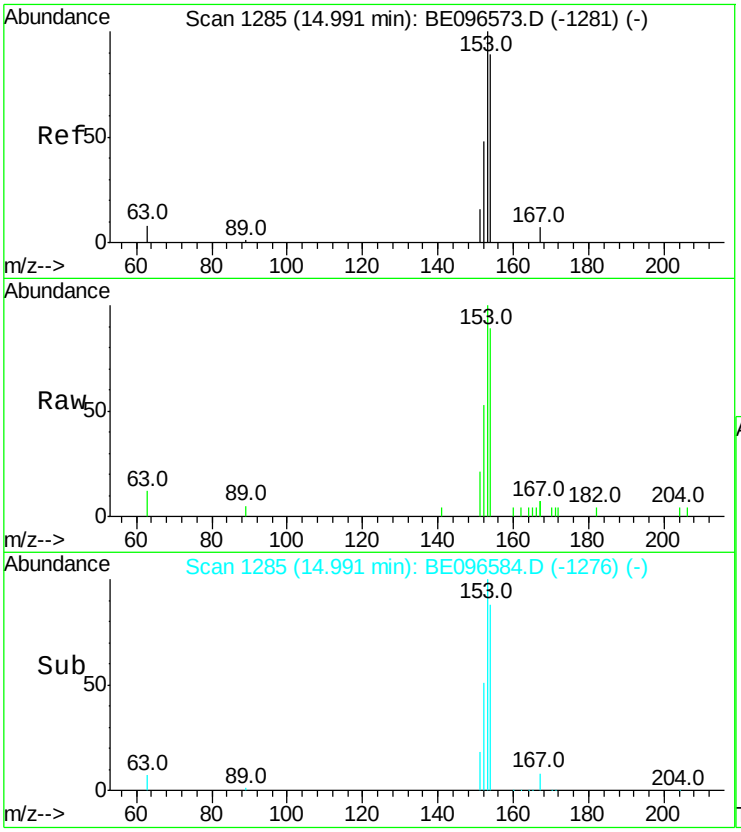


#16
Acenaphthylene
Concen: 0.327 ng
RT: 14.66 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:152 Resp: 2665

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.7	23.5
153	13.0	10.5	15.7



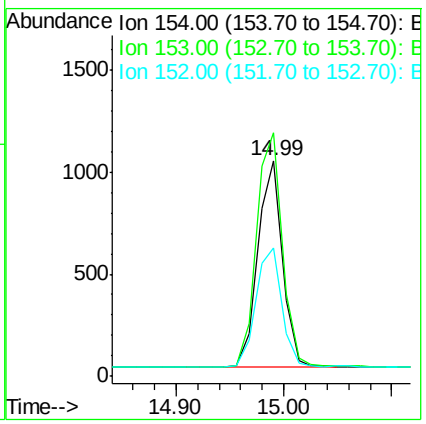


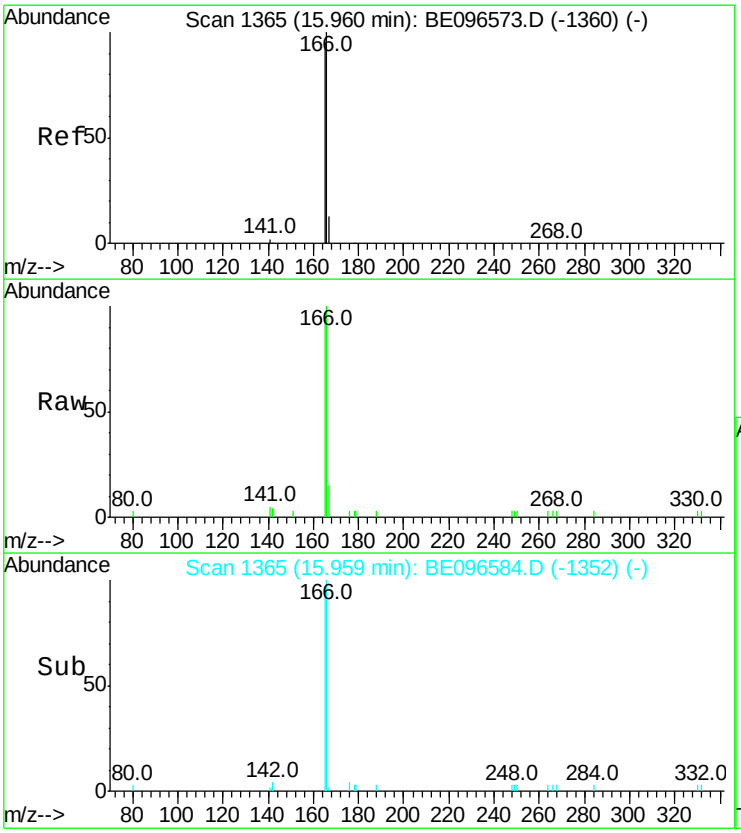
#17
Acenaphthene
Concen: 0.325 ng
RT: 14.99 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 1615

Ion	Ratio	Lower	Upper
154	100		
153	119.4	89.2	133.8
152	61.1	42.0	63.0

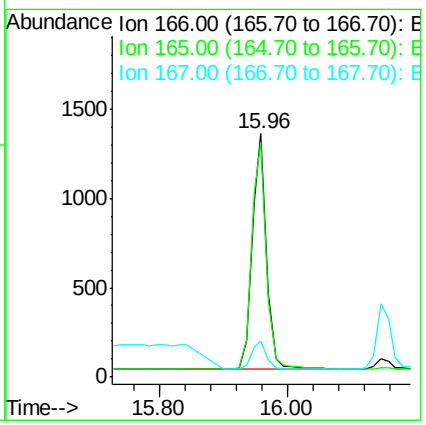


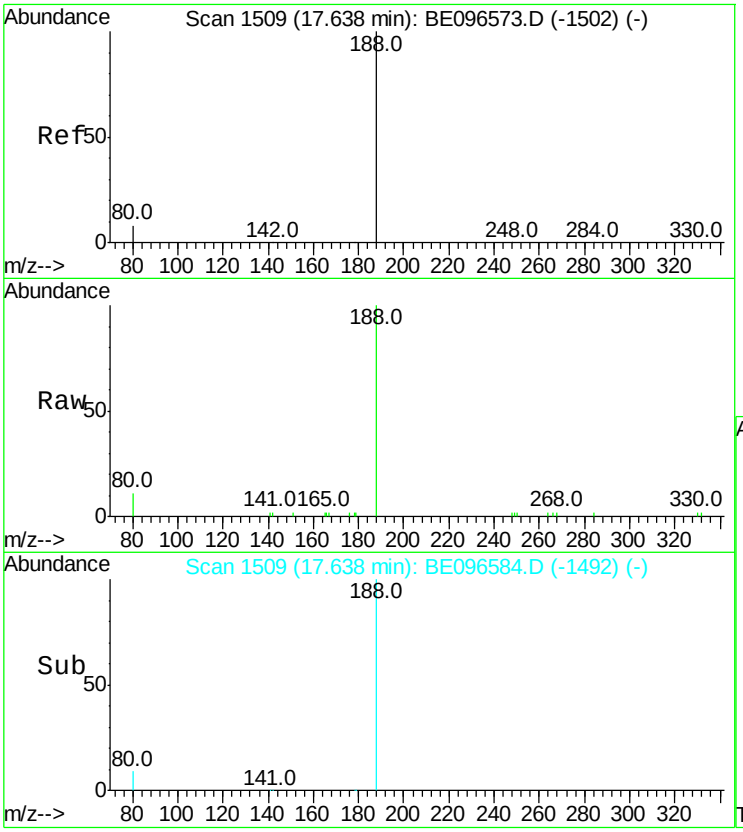


#18
Fluorene
Concen: 0.420 ng
RT: 15.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:166 Resp: 2598

Ion	Ratio	Lower	Upper
166	100		
165	96.0	77.8	116.6
167	10.2	42.4	63.6#



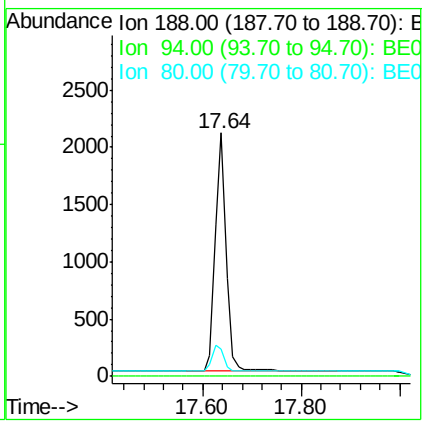


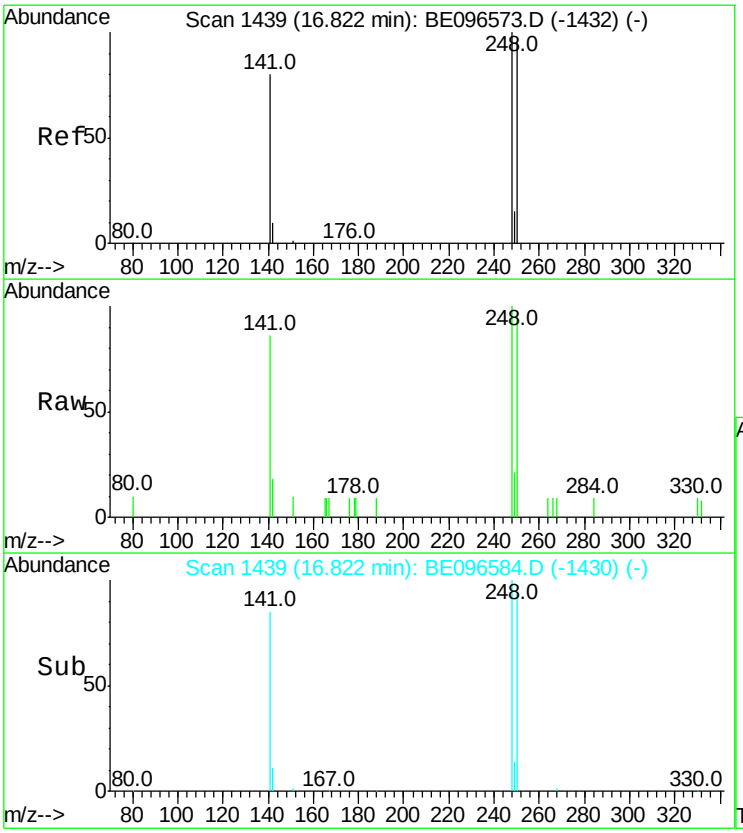
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.64 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 3212

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	11.0	3.6	5.4#

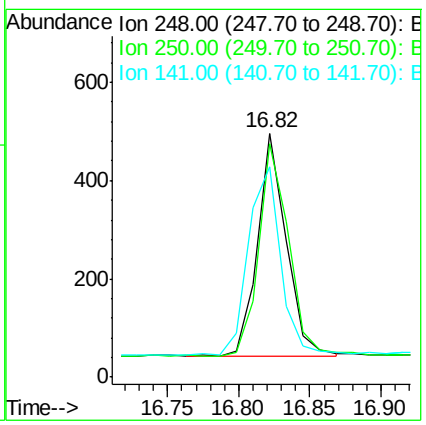


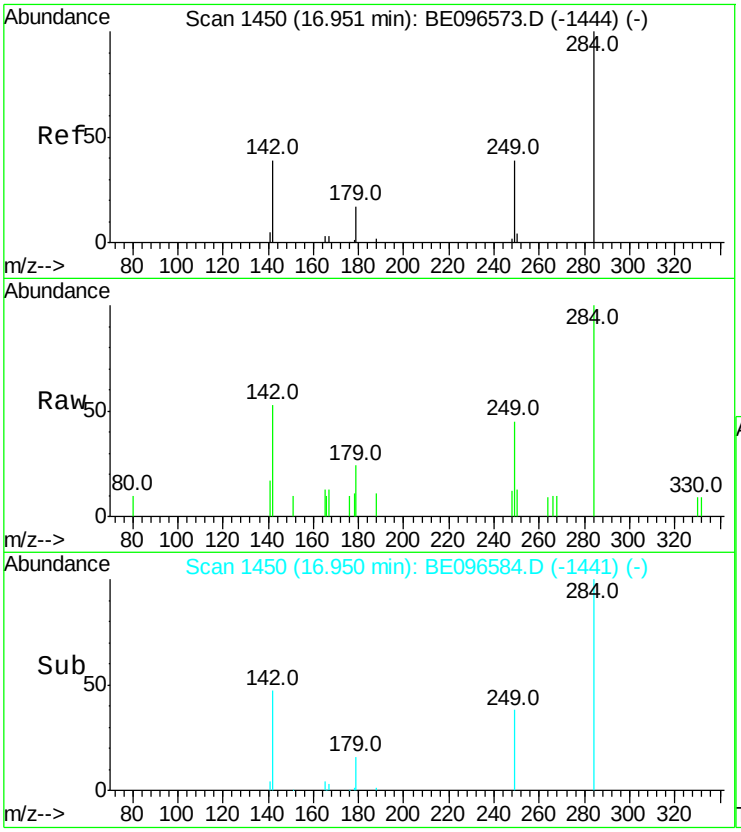


#20
4-Bromophenyl-phenylether
Concen: 0.322 ng
RT: 16.82 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:248 Resp: 628

Ion	Ratio	Lower	Upper
248	100		
250	95.8	62.7	94.1#
141	86.5	48.2	72.2#



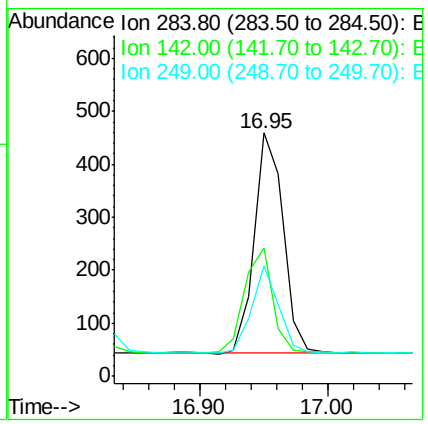


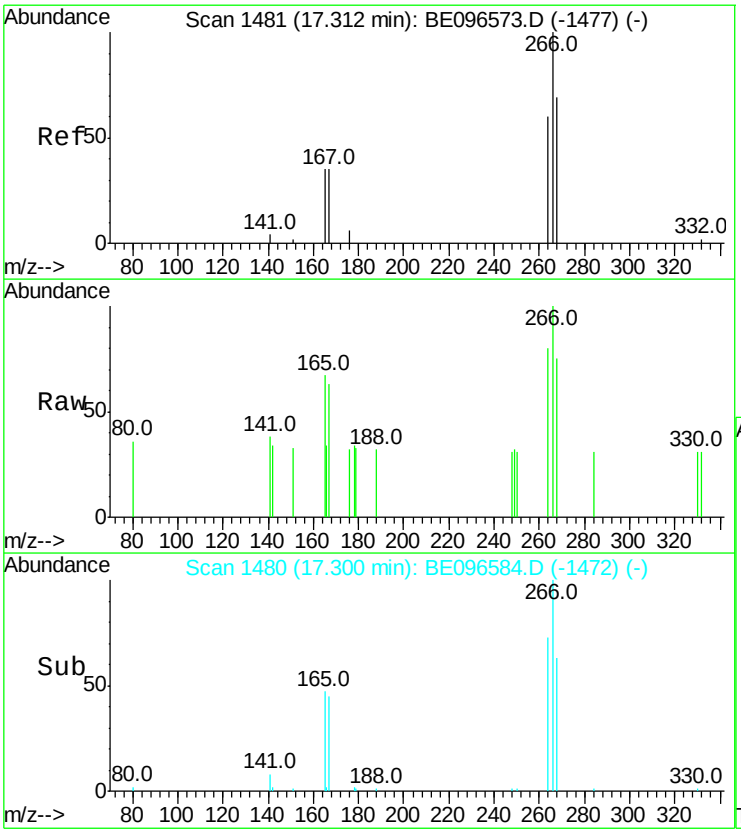
#21
Hexachlorobenzene
Concen: 0.322 ng
RT: 16.95 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 654

Ion	Ratio	Lower	Upper
284	100		
142	45.7	22.1	33.1#
249	37.0	34.8	52.2

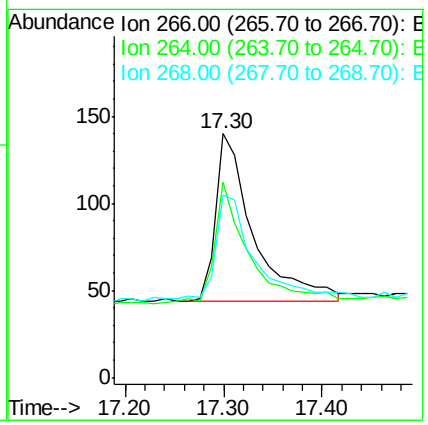


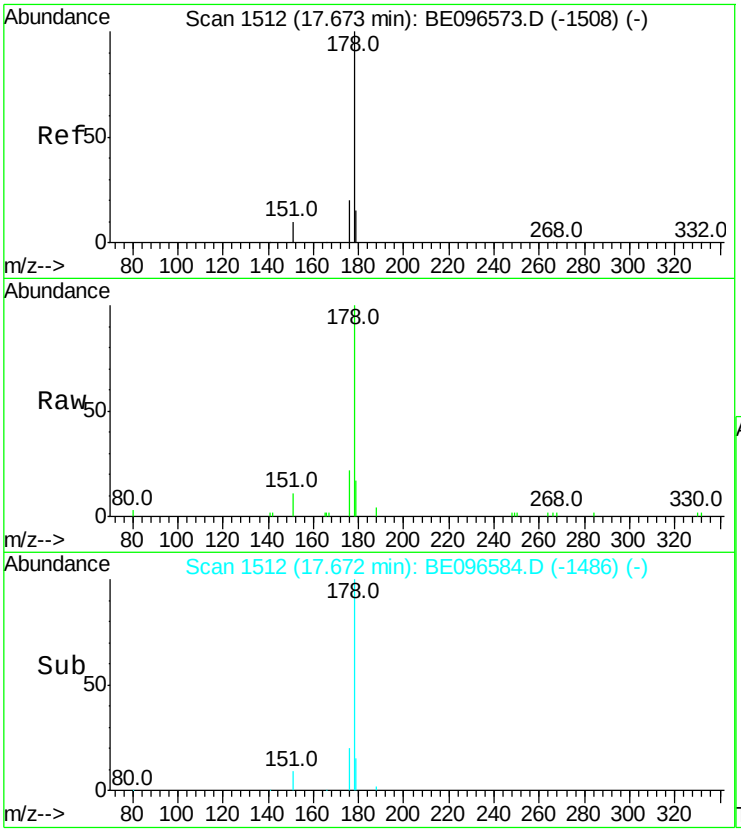


#22
Pentachlorophenol
Concen: 0.569 ng
RT: 17.30 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:266 Resp: 253

Ion	Ratio	Lower	Upper
266	100		
264	80.0	72.5	108.7
268	75.0	73.8	110.6



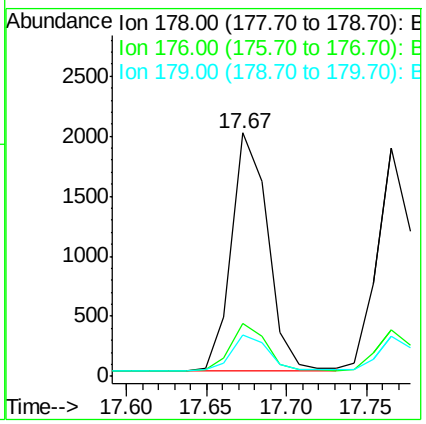


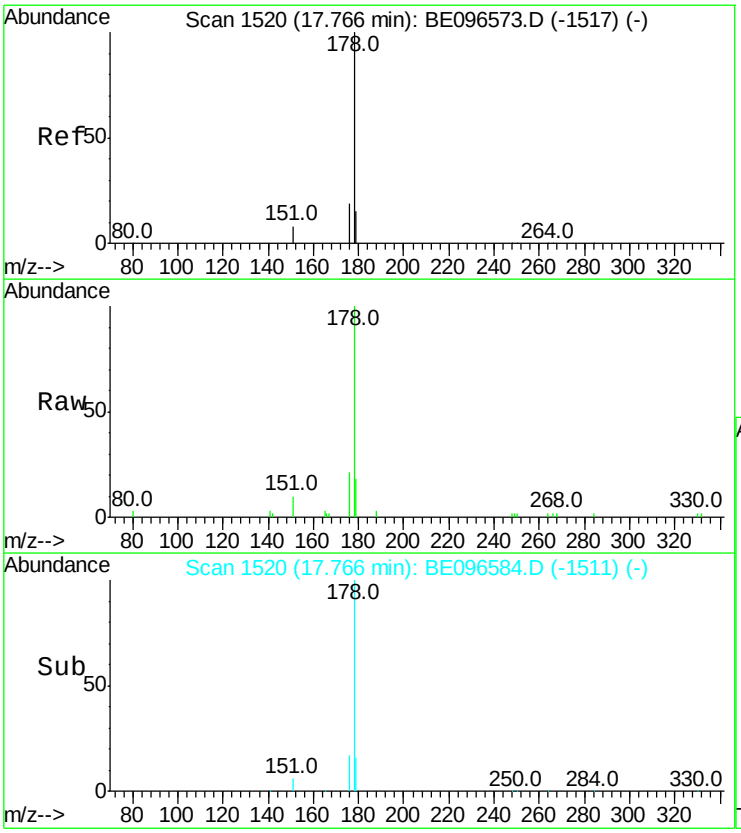
#23
Phenanthrene
Concen: 0.344 ng
RT: 17.67 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 3103

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

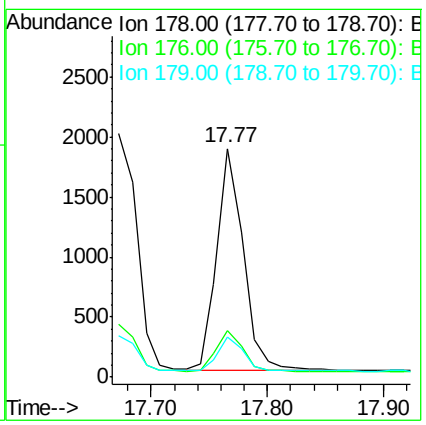


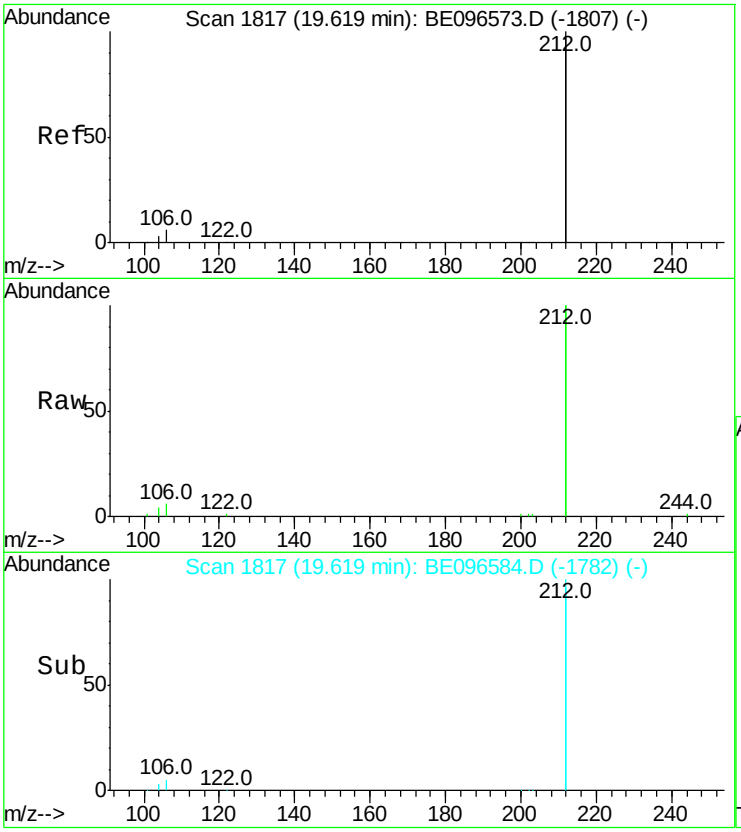


#24
Anthracene
Concen: 0.344 ng
RT: 17.77 min Scan# 1520
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:178 Resp: 2885

Ion	Ratio	Lower	Upper
178	100		
176	18.9	12.8	19.2
179	14.9	13.0	19.6



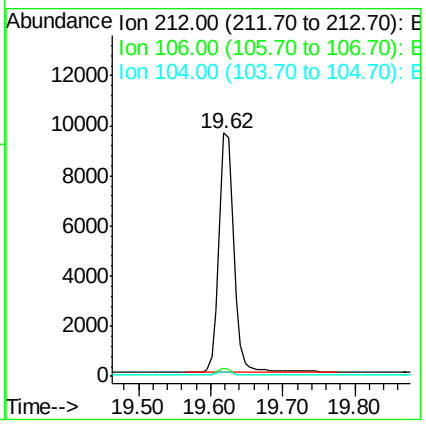


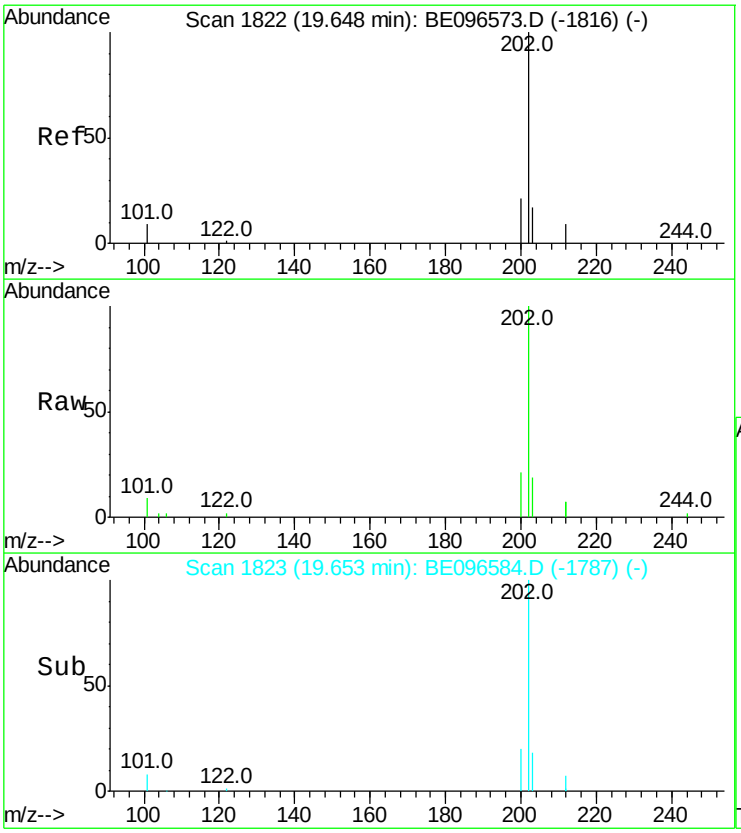
#25
Fluoranthene-d10
Concen: 0.349 ng
RT: 19.62 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 13722

Ion	Ratio	Lower	Upper
212	100		
106	2.7	2.8	4.2#
104	1.5	1.6	2.4#

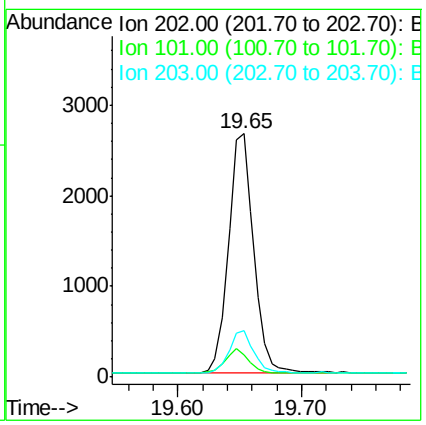


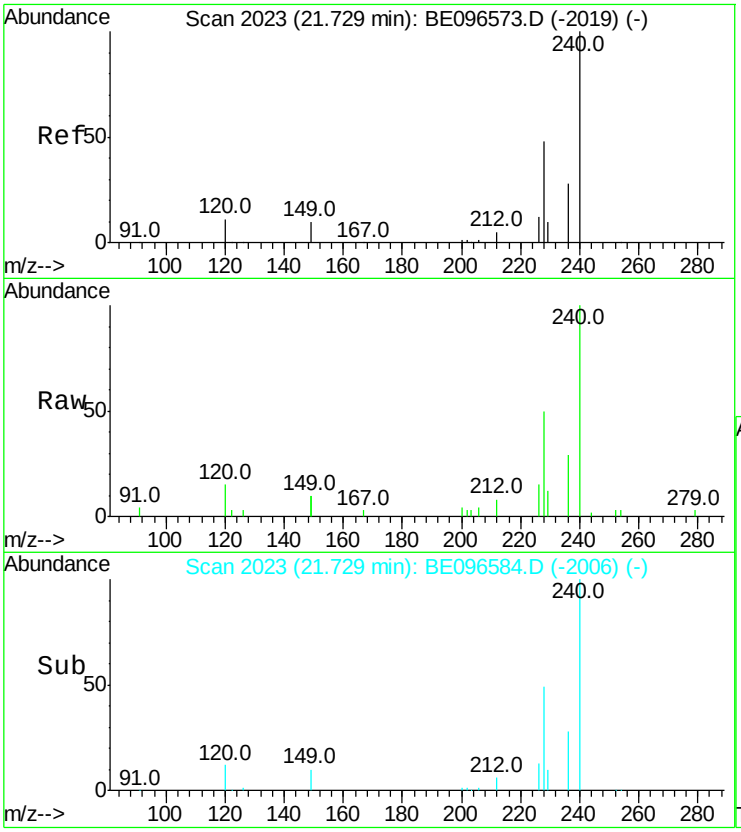


#26
Fluoranthene
Concen: 0.346 ng
RT: 19.65 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:202 Resp: 3730

Ion	Ratio	Lower	Upper
202	100		
101	9.7	9.8	14.8#
203	16.7	13.7	20.5



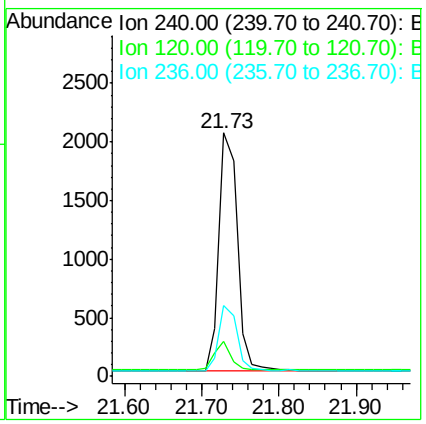


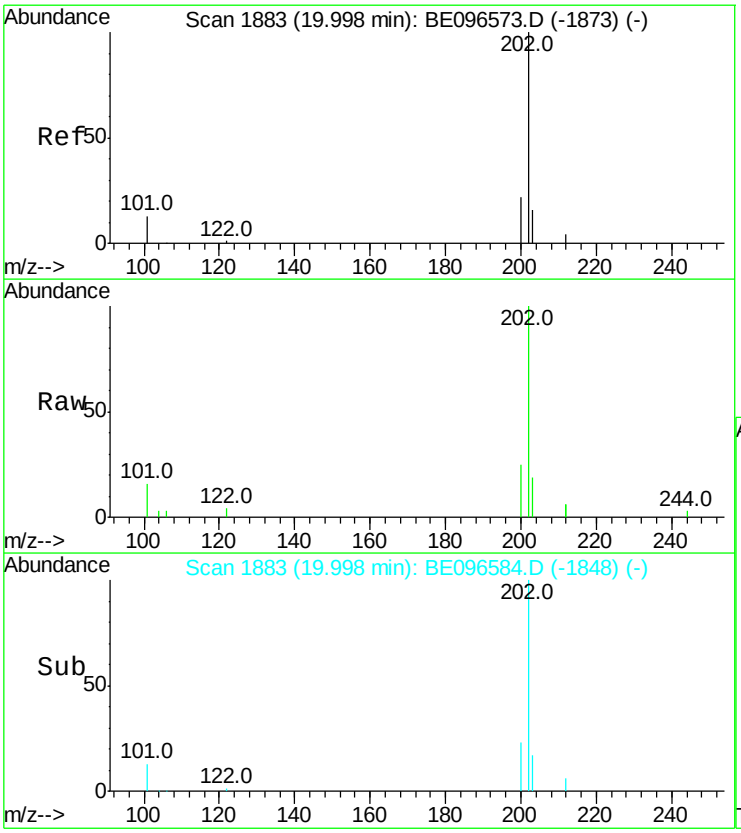
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.73 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 3378

Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.5	8.3#
236	29.3	20.7	31.1

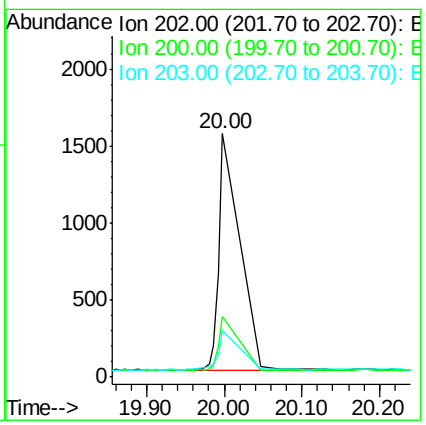


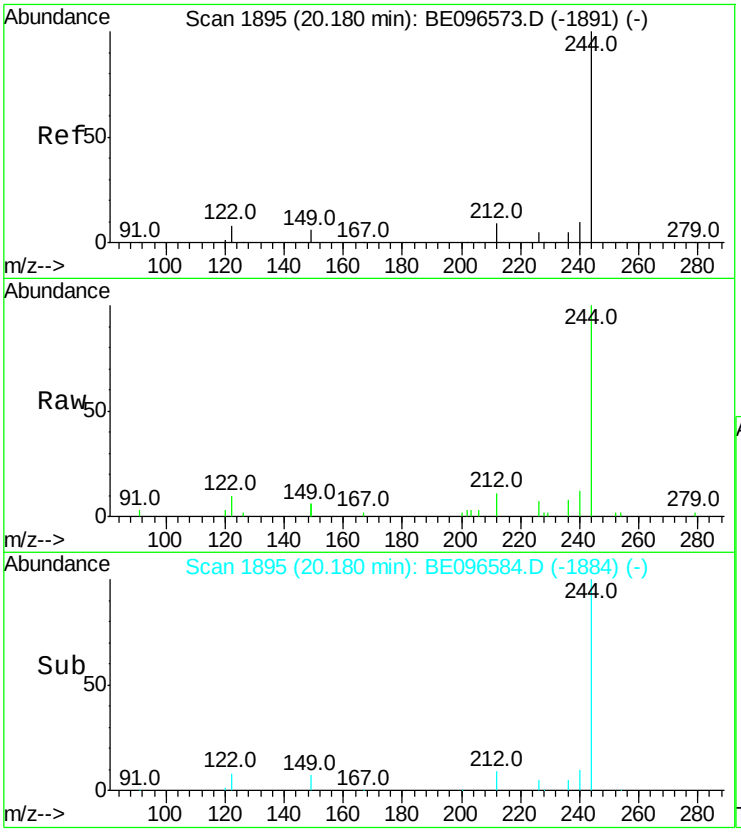


#28
Pyrene
Concen: 0.275 ng
RT: 20.00 min Scan# 1883
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:202 Resp: 1678

Ion	Ratio	Lower	Upper
202	100		
200	22.7	16.6	25.0
203	18.1	13.8	20.8



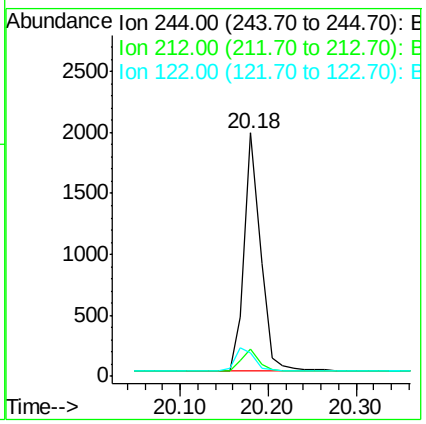


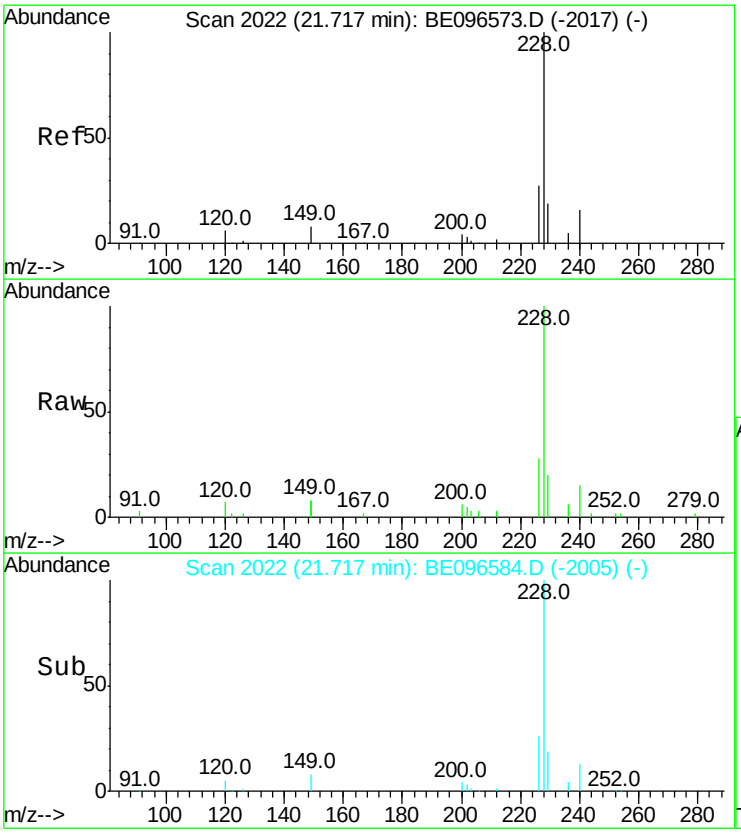
#29
Terphenyl-d14
Concen: 0.333 ng
RT: 20.18 min Scan# 1895
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 2544

Ion	Ratio	Lower	Upper
244	100		
212	11.2	25.4	38.0#
122	9.8	8.1	12.1

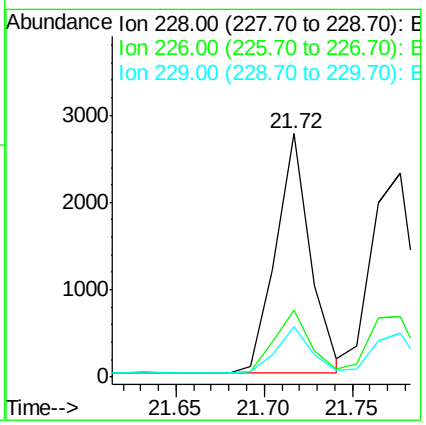


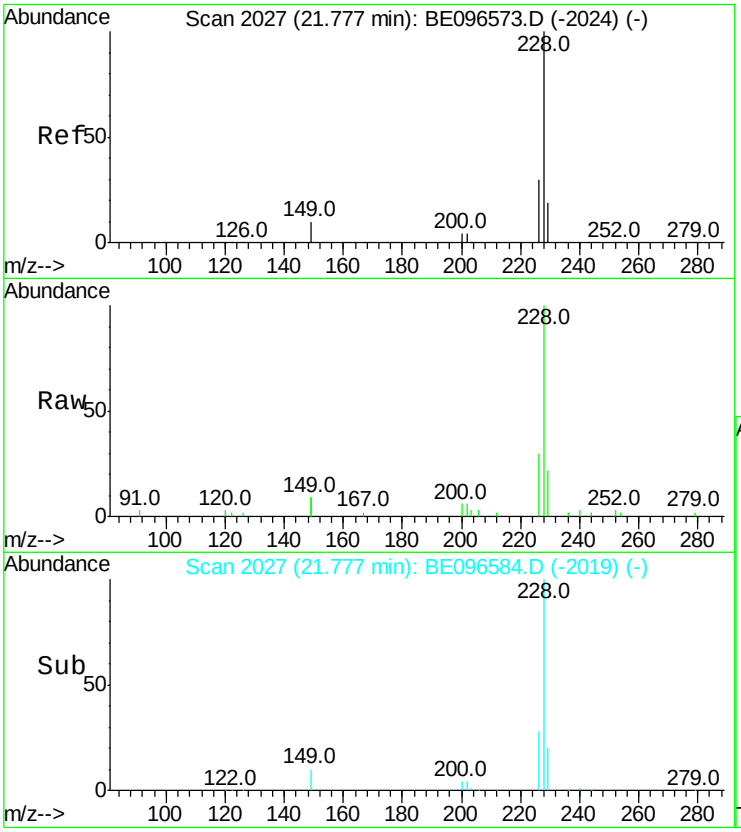


#30
Benzo(a)anthracene
Concen: 0.361 ng
RT: 21.72 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:228 Resp: 3750

Ion	Ratio	Lower	Upper
228	100		
226	27.5	24.0	36.0
229	20.4	16.0	24.0



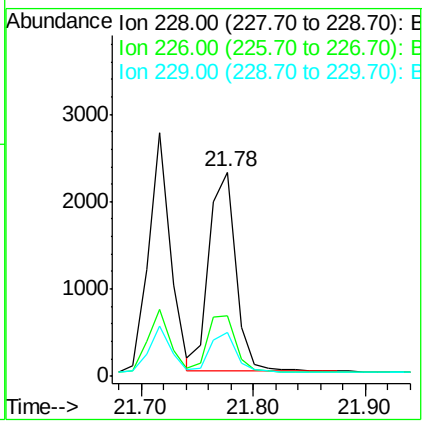


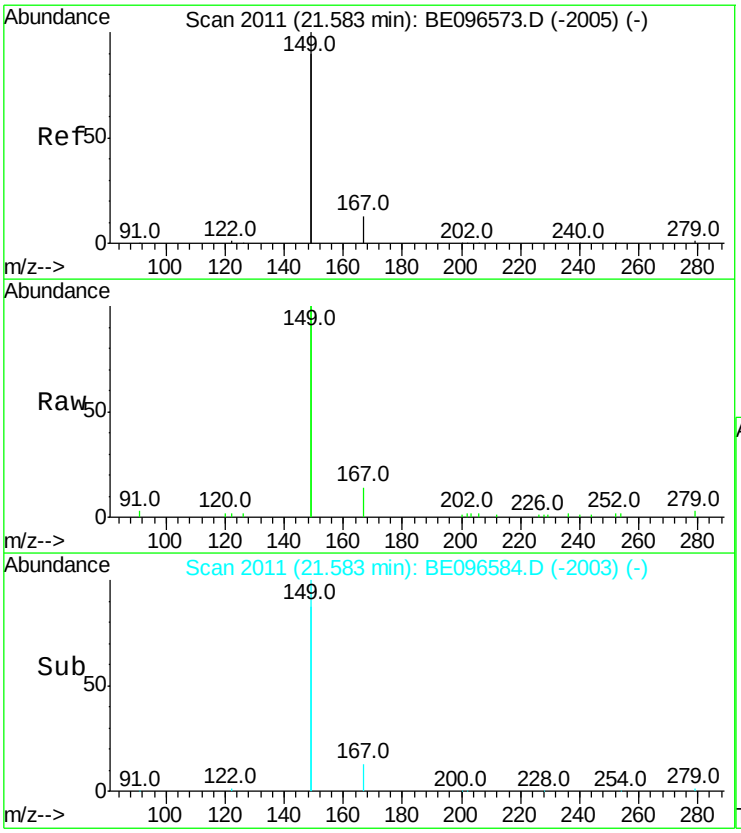
#31
Chrysene
Concen: 0.347 ng
RT: 21.78 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 3755

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	21.8	16.0	24.0

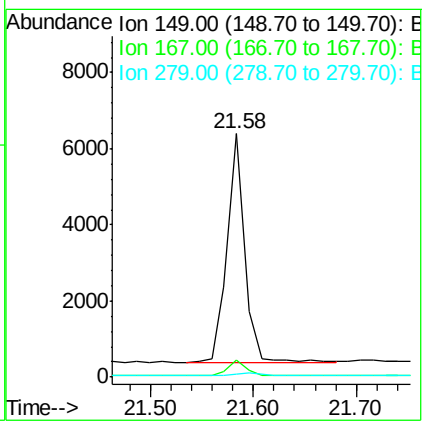


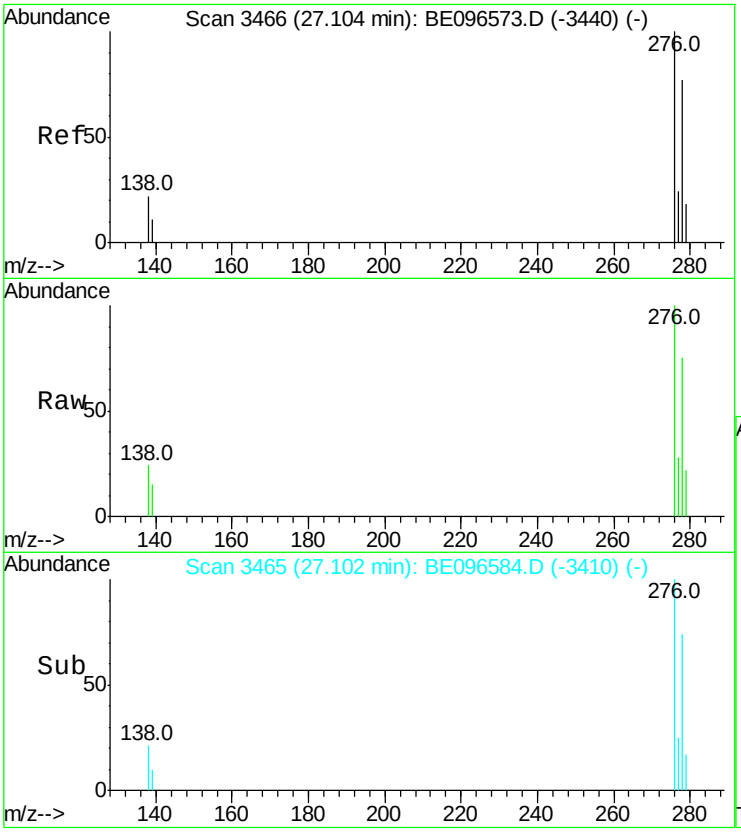


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.322 ng
RT: 21.58 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:149 Resp: 7148

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	1.0	0.7	1.1



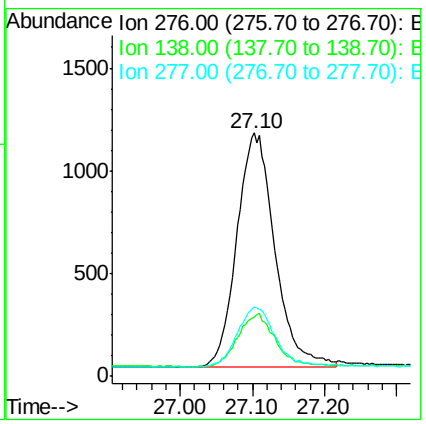


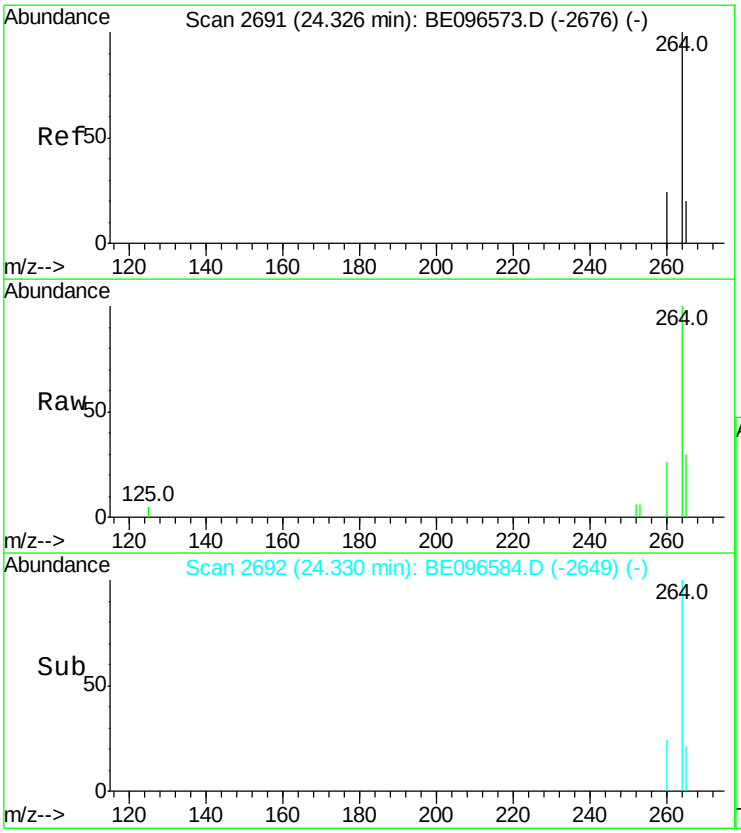
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.393 ng
RT: 27.10 min Scan# 3465
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 4075

Ion	Ratio	Lower	Upper
276	100		
138	21.9	22.5	33.7#
277	25.6	19.9	29.9

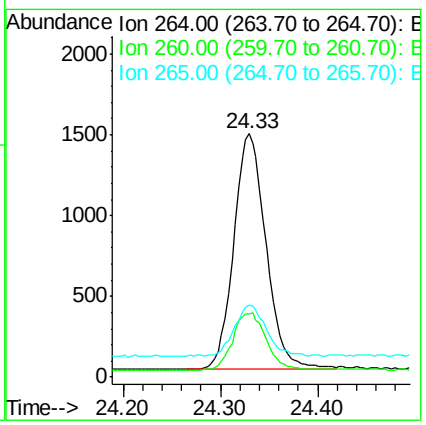


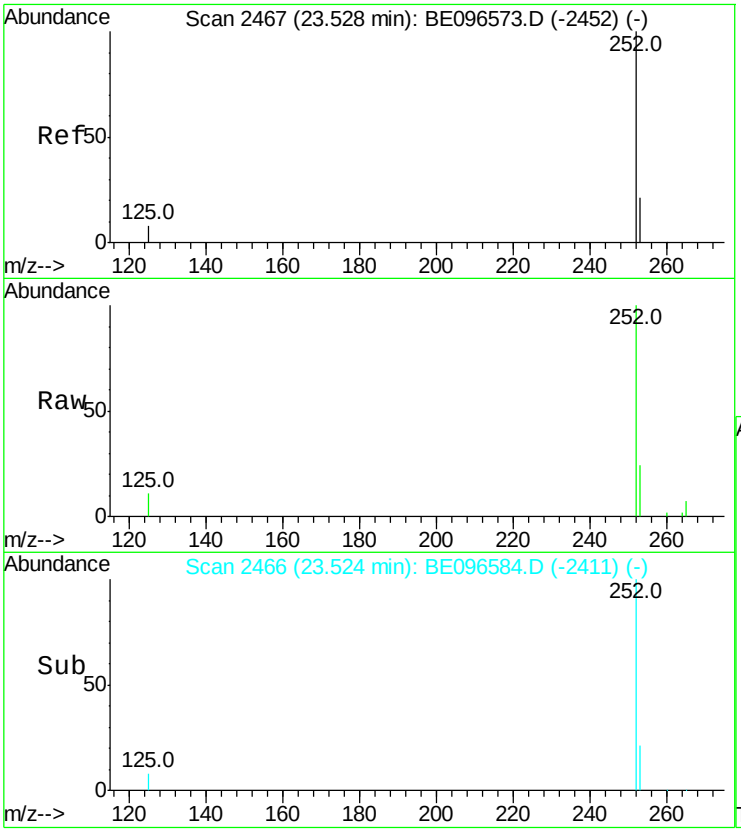


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.33 min Scan# 2692
Delta R.T. 0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:264 Resp: 3374

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.5	30.7
265	29.6	22.8	34.2



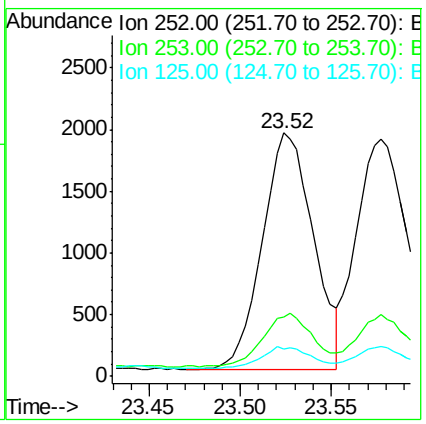


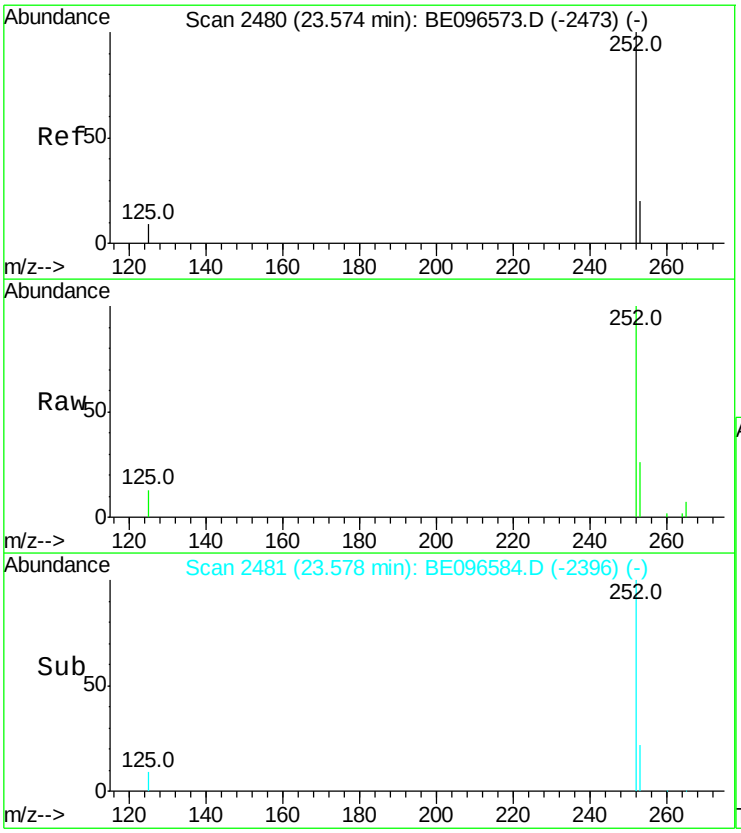
#35
Benzo(b)fluoranthene
Concen: 0.358 ng
RT: 23.52 min Scan# 2466
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 3727

Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.0	30.0
125	11.4	16.0	24.0#

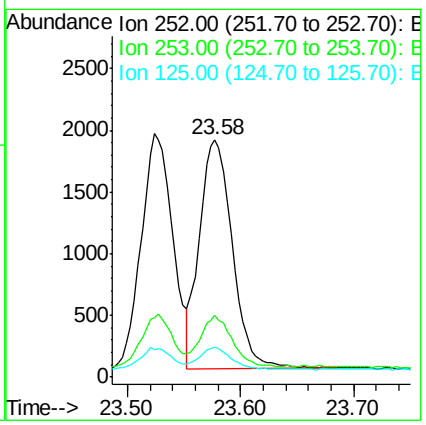


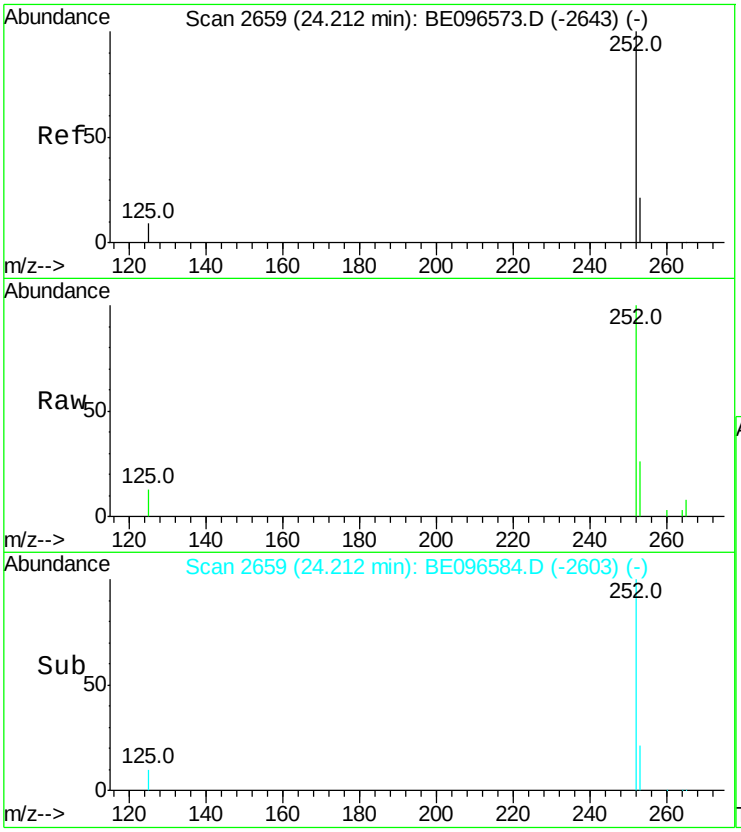


#36
Benzo(k)fluoranthene
Concen: 0.343 ng
RT: 23.58 min Scan# 2481
Delta R.T. 0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:252 Resp: 3776

Ion	Ratio	Lower	Upper
252	100		
253	25.8	16.0	24.0#
125	12.6	8.0	12.0#



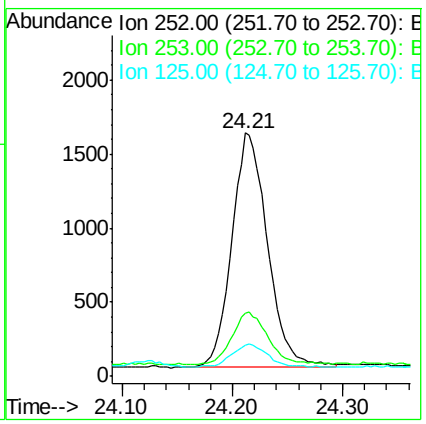


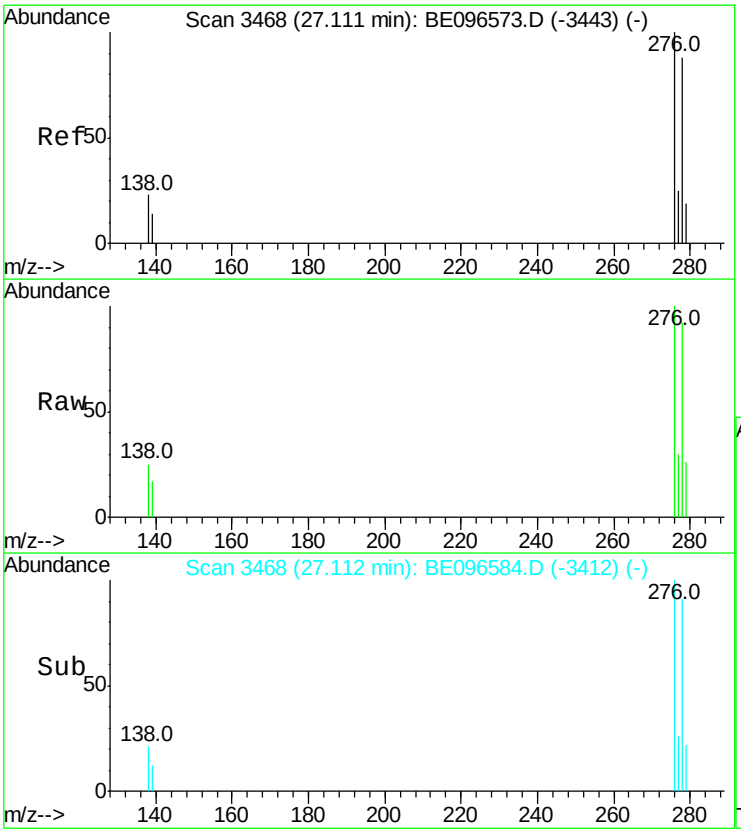
#37
Benzo(a)pyrene
Concen: 0.358 ng
RT: 24.21 min Scan# 2659
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 3561

Ion	Ratio	Lower	Upper
252	100		
253	25.7	16.0	24.0#
125	13.0	12.0	18.0

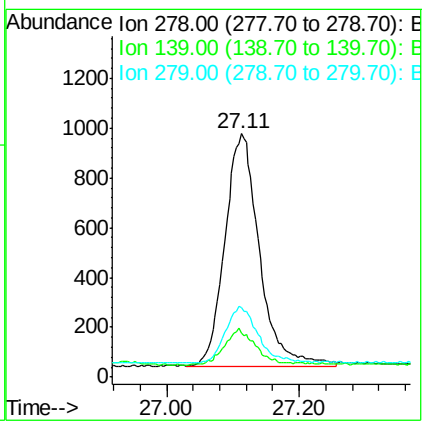


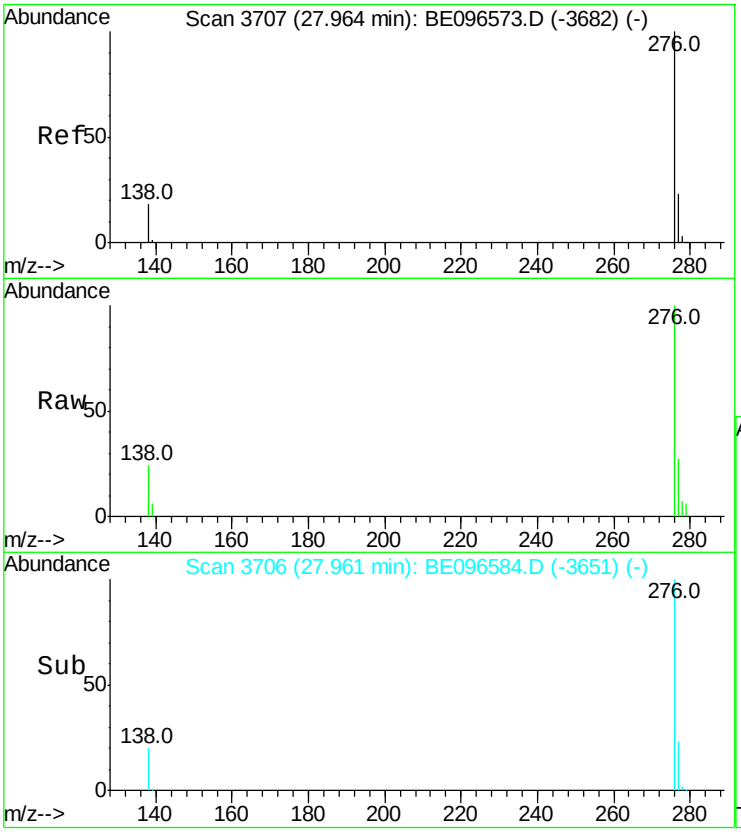


#38
Dibenzo(a,h)anthracene
Concen: 0.370 ng
RT: 27.11 min Scan# 3468
Delta R.T. 0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Tgt Ion:278 Resp: 3363

Ion	Ratio	Lower	Upper
278	100		
139	18.3	16.0	24.0
279	28.6	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.368 ng
RT: 27.96 min Scan# 3706
Delta R.T. -0.00 min
Lab File: BE096584.D
Acq: 15 May 2018 18:48

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 3507

Ion	Ratio	Lower	Upper
276	100		
277	26.7	16.0	24.0#
138	24.0	20.0	30.0