Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099011.D
Acq On : 2 Oct 2017 20:33
Operator : SJ/JU
Sample : I5531-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 03 01:02:11 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	134911	20.00	ng		-0.02
21) Naphthalene-d8	8.19	136	511757	20.00	ng		-0.02
38) Acenaphthene-d10	9.95	164	201025	20.00	ng		-0.02
63) Phenanthrene-d10	11.43	188	289743	20.00	ng		-0.01
75) Chrysene-d12	14.07	240	247457	20.00	ng		-0.01
86) Perylene-d12	15.57	264	256983	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.53	112	851952	100.53	ng		-0.01
7) Phenol-d6	6.53	99	1040453	99.52	ng		-0.01
23) Nitrobenzene-d5	7.46	82	631043	79.08	ng		-0.02
41) 2,4,6-Tribromophenol	10.73	330	128564	78.16	ng		-0.02
44) 2-Fluorobiphenyl	9.26	172	1057539	87.82	ng		-0.02
78) Terphenyl-d14	13.02	244	697970	64.15	ng		-0.02
Target Compounds							Qvalue
9) Benzaldehyde	6.67	77	18410	3.04	ng		91
18) Hexachloroethane	7.43	117	9769	2.66	ng	#	1
25) Isophorone	7.46	82	629538	38.16	ng	#	65
31) Naphthalene	8.20	128	250462	10.42	ng		98
37) 2-Methylnaphthalene	8.90	142	423041	27.07	ng		97
45) 1,1'-Biphenyl	9.36	154	50143	2.90	ng		97
48) Acenaphthylene	9.80	152	89835	4.52	ng	#	91
49) Dimethylphthalate	9.65	163	173435	11.43	ng	#	97
51) Acenaphthene	9.97	154	28818	2.29	ng	#	82
53) 2,4-Dinitrophenol	10.13	184	643	6.17	ng	#	1
54) Dibenzofuran	10.15	168	131999	7.88	ng	#	82
55) 4-Nitrophenol	10.04	139	14442	4.43	ng	#	58
57) Fluorene	10.49	166	48014	3.57	ng	#	92
65) n-Nitrosodiphenylamine	10.60	169	58730	5.85	ng	#	43
66) 4-Bromophenyl-phenylether	10.73	248	9034	3.19	ng	#	1
70) Phenanthrene	11.46	178	555134	35.79	ng		99
71) Anthracene	11.50	178	144273	9.09	ng		99
72) Carbazole	11.66	167	41371	2.66	ng	#	85
74) Fluoranthene	12.65	202	655932	41.77	ng		98
77) Pyrene	12.88	202	550261	29.16	ng		99
80) Benzo(a)anthracene	14.06	228	326343	21.78	ng		95
82) Chrysene	14.10	228	370418	25.97	ng		98
83) Bis(2-ethylhexyl)phthalate	14.04	149	30356	2.49	ng		96
85) Indeno(1,2,3-cd)pyrene	17.08	276	183646	16.09	ng		98
87) Benzo(b)fluoranthene	15.13	252	757292	47.93	ng	#	96
88) Benzo(k)fluoranthene	15.13	252	757292	48.53	ng		97
89) Benzo(a)pyrene	15.51	252	229990	15.86	ng	#	94
90) Dibenzo(a,h)anthracene	17.09	278	51496	4.44	ng	#	82
91) Benzo(g,h,i)perylene	17.54	276	147047	12.82	ng		95

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

Quantitation Report (Not Reviewed)

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Data File : BF099011.D
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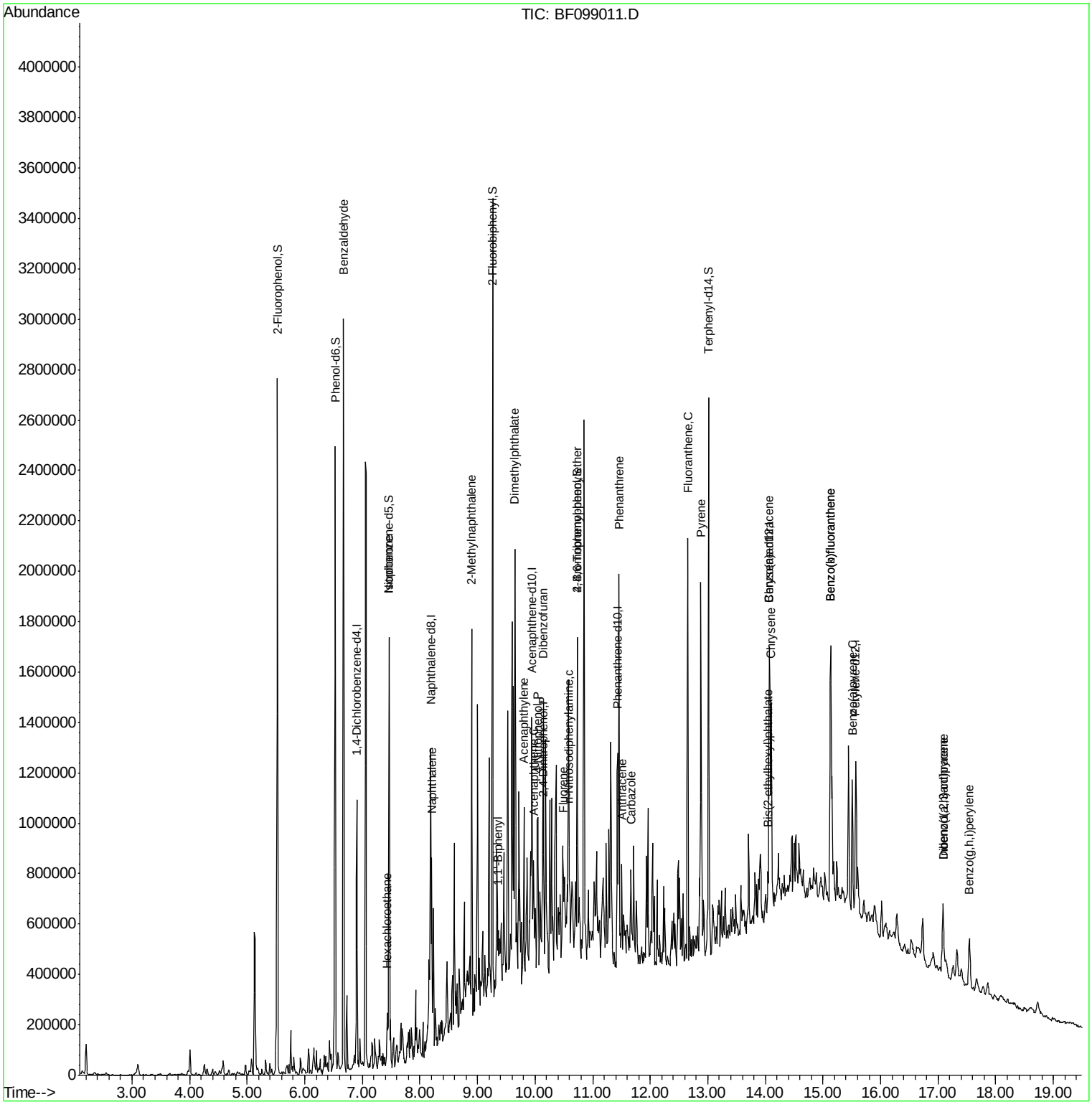
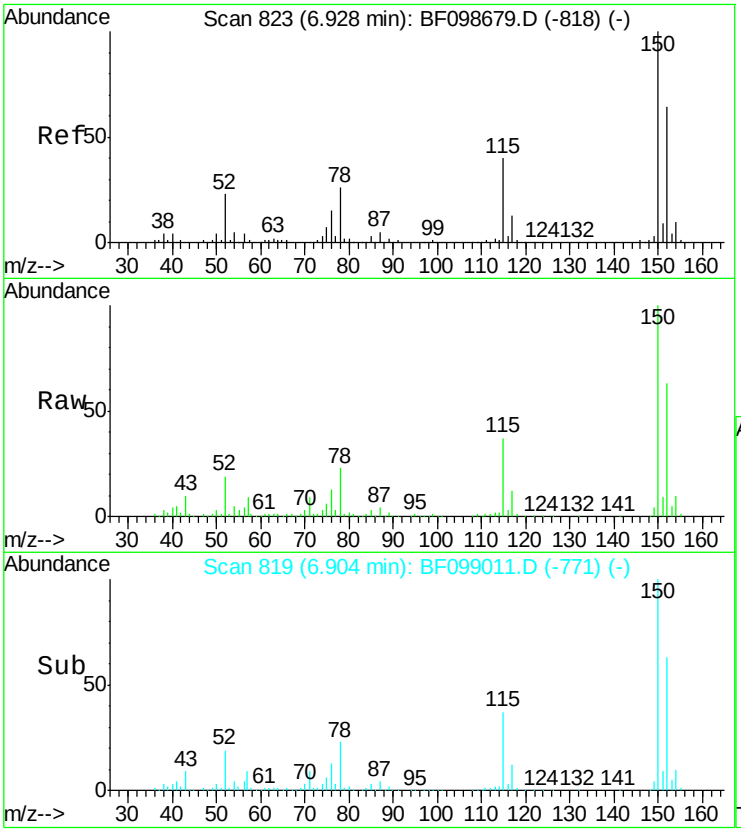
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 03 01:02:11 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration

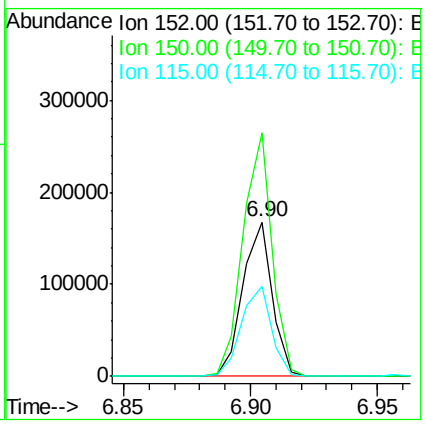




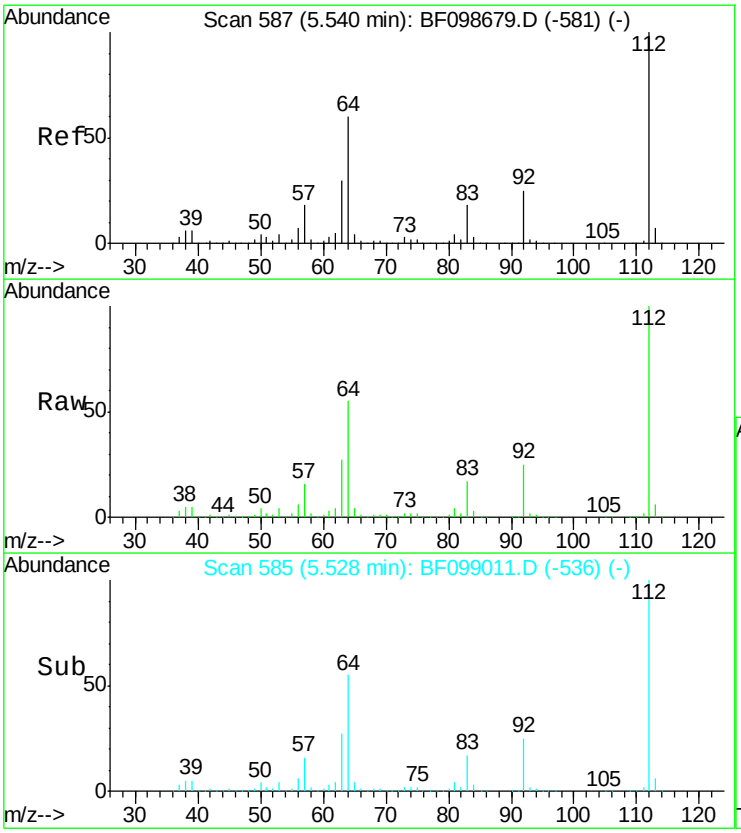
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:152 Resp: 134911

Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	58.5	50.1	75.1



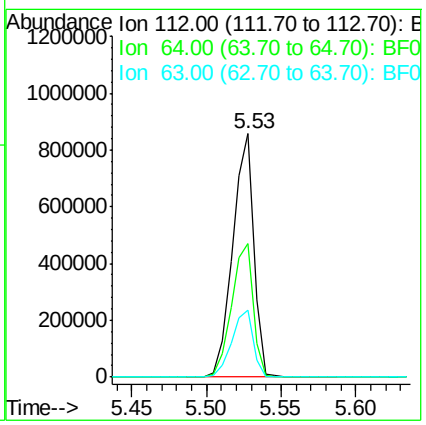
Instrument :
BNA_F
ClientSampleId :

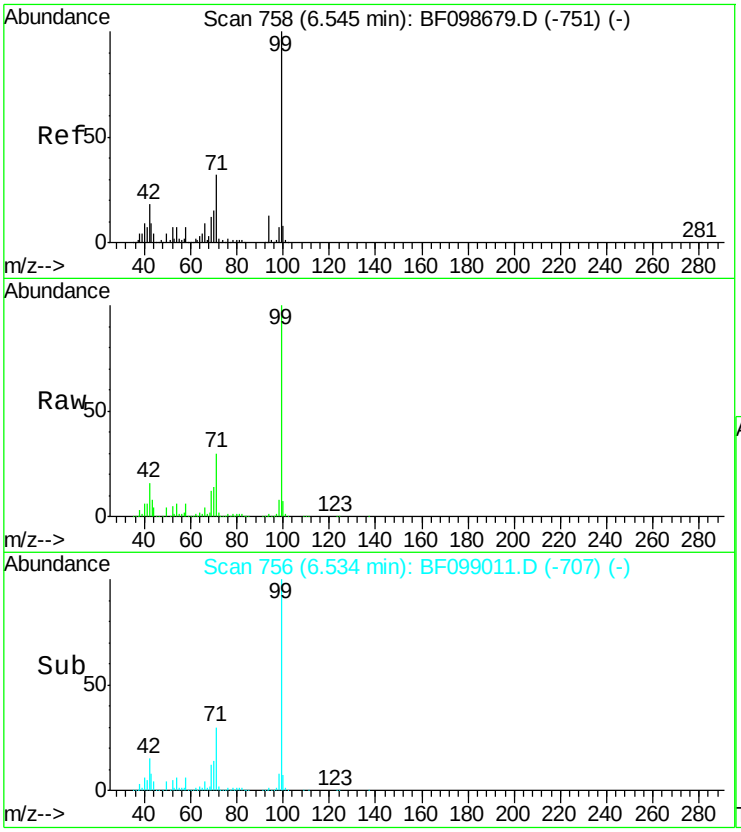


#5
2-Fluorophenol
Concen: 100.53 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:112 Resp: 851952

Ion	Ratio	Lower	Upper
112	100		
64	55.0	47.9	71.9
63	27.5	23.7	35.5



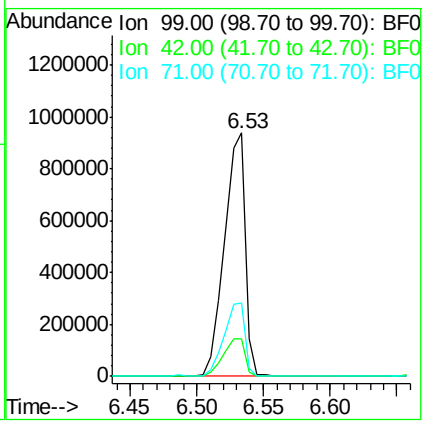


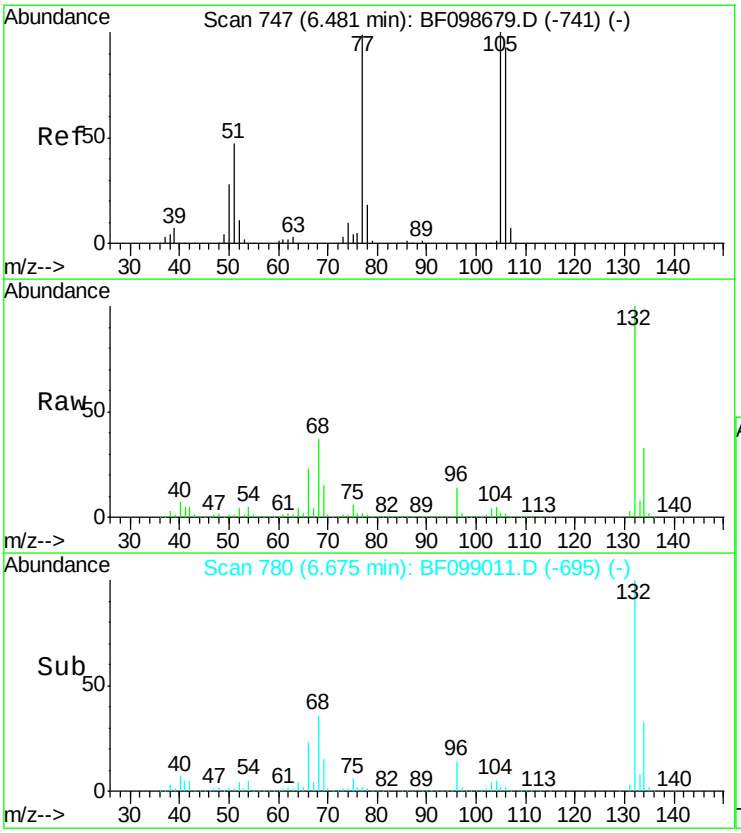
#7
Phenol-d6
Concen: 99.52 ng
RT: 6.53 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1040453

Ion	Ratio	Lower	Upper
99	100		
42	15.6	14.5	21.7
71	30.2	25.4	38.0

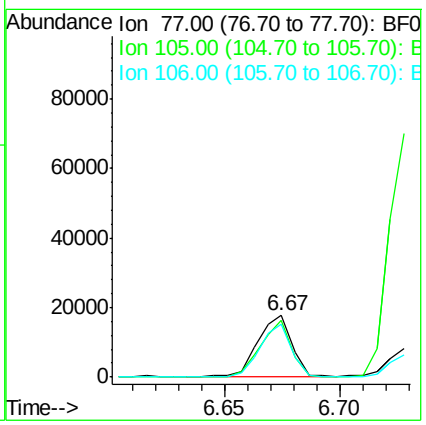


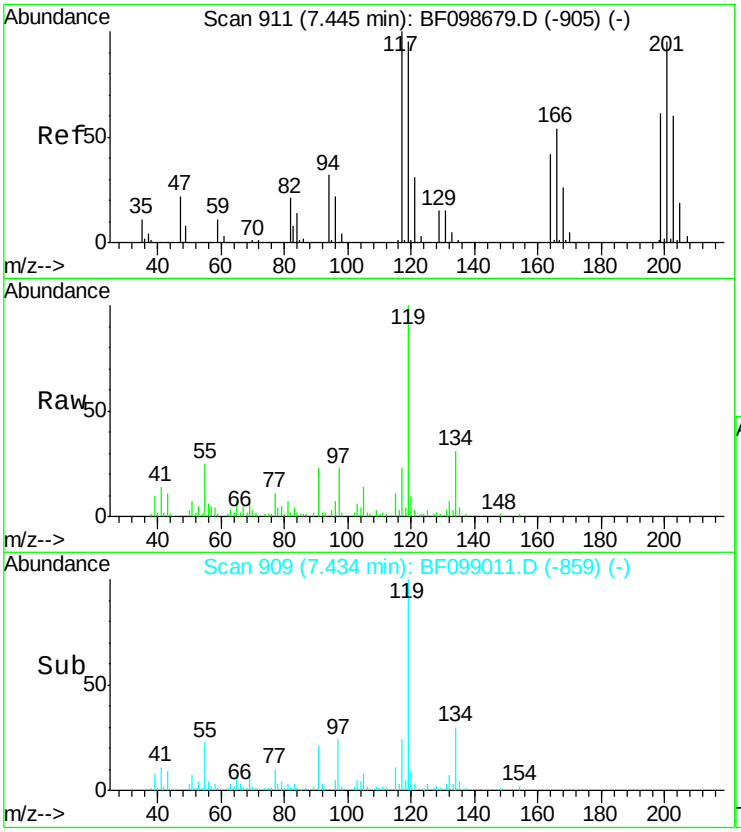


#9
Benzaldehyde
Concen: 3.04 ng
RT: 6.67 min Scan# 780
Delta R.T. 0.20 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion: 77 Resp: 18410

Ion	Ratio	Lower	Upper
77	100		
105	91.7	81.1	121.1
106	85.4	74.5	114.5



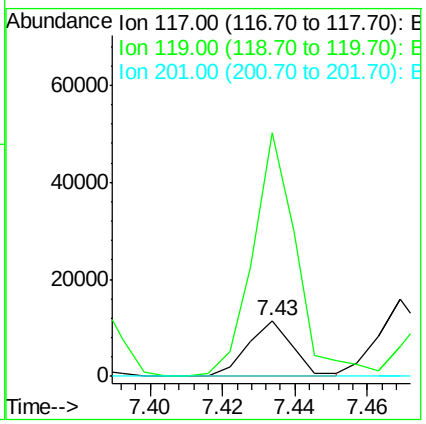


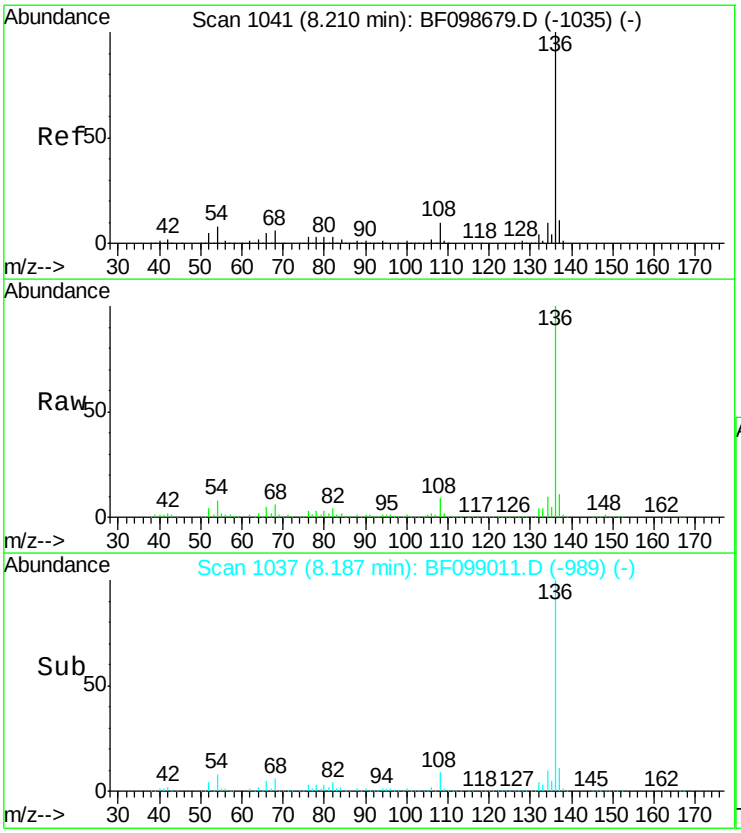
#18
Hexachloroethane
Concen: 2.66 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:117 Resp: 9769

Ion	Ratio	Lower	Upper
117	100		
119	436.5	75.8	113.8#
201	0.0	75.7	113.5#

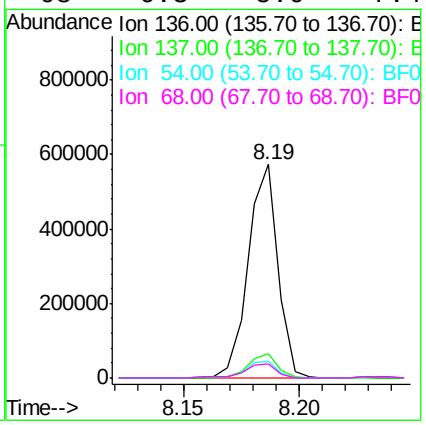


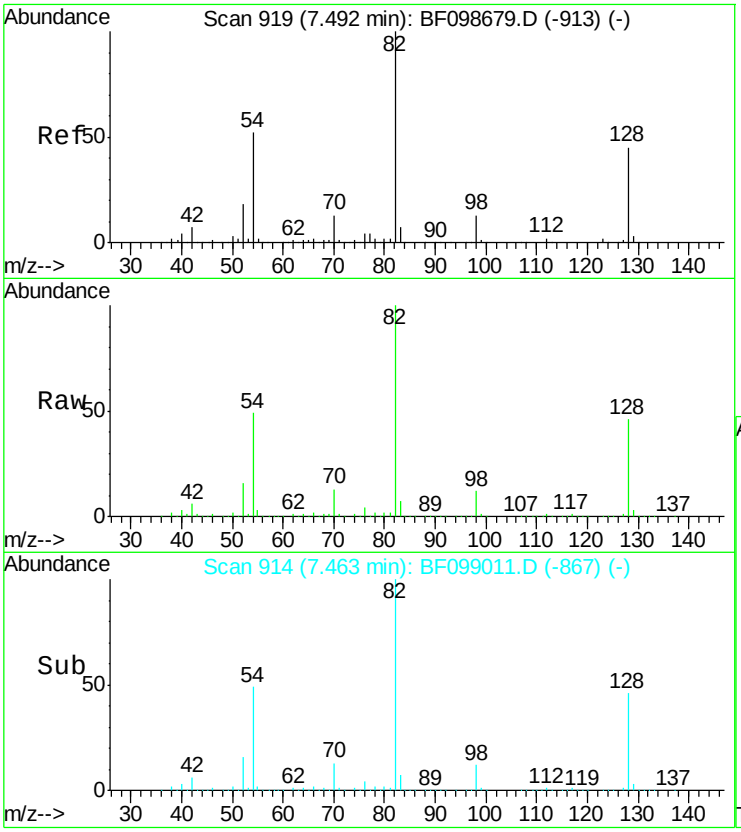


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:136 Resp: 511757

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.7	6.6	9.8
68	6.3	5.0	7.4



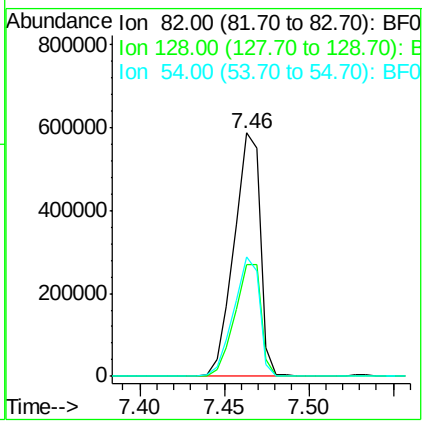


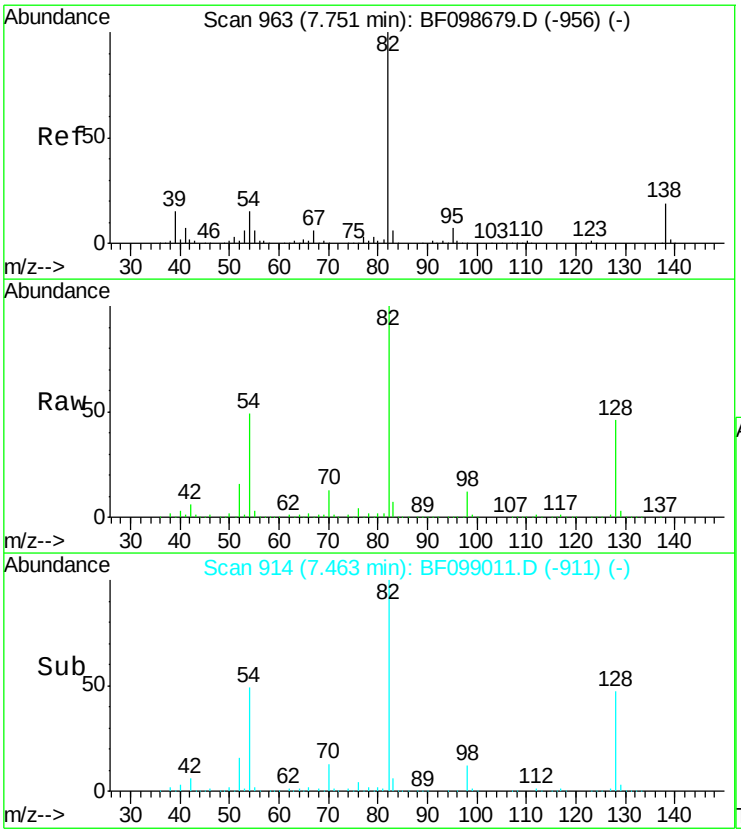
#23
Nitrobenzene-d5
Concen: 79.08 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 631043

Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	49.2	41.4	62.2

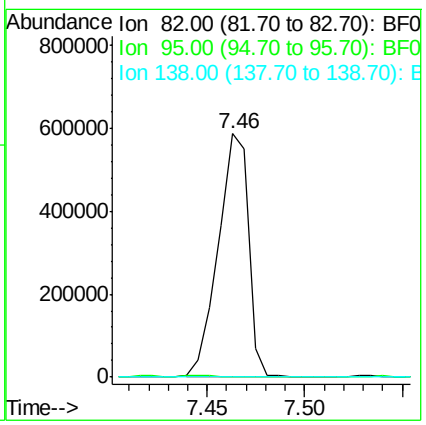


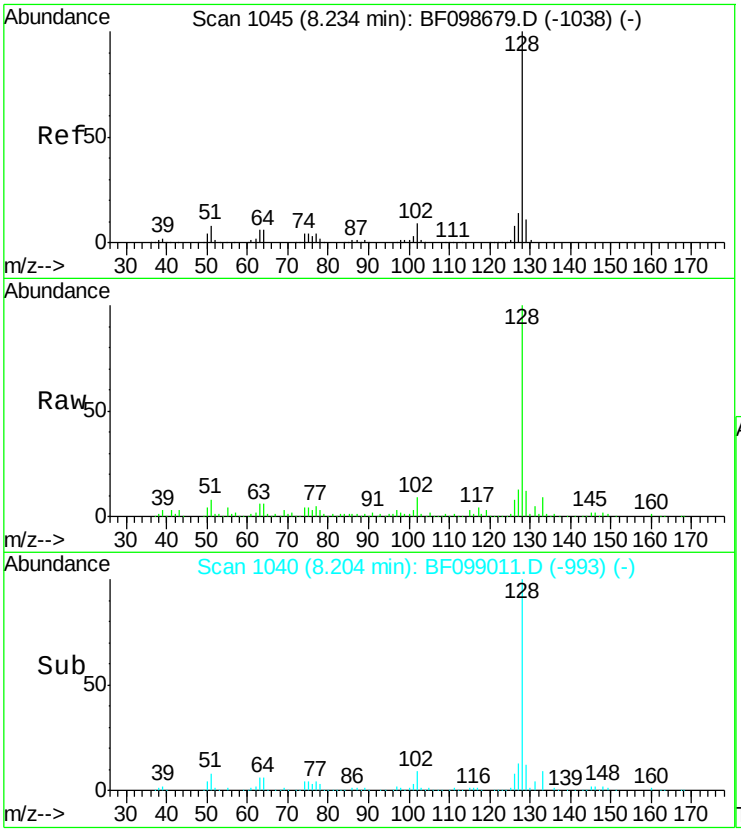


#25
Isophorone
Concen: 38.16 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.28 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion: 82 Resp: 629538

Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.2	7.8#
138	0.0	14.9	22.3#



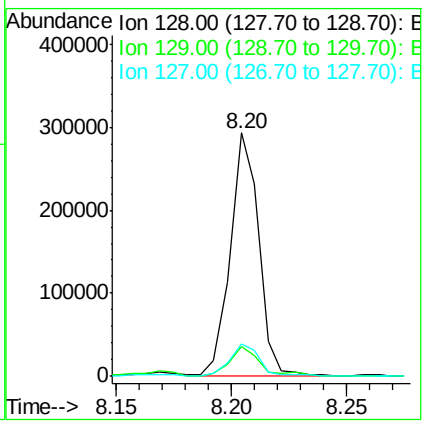


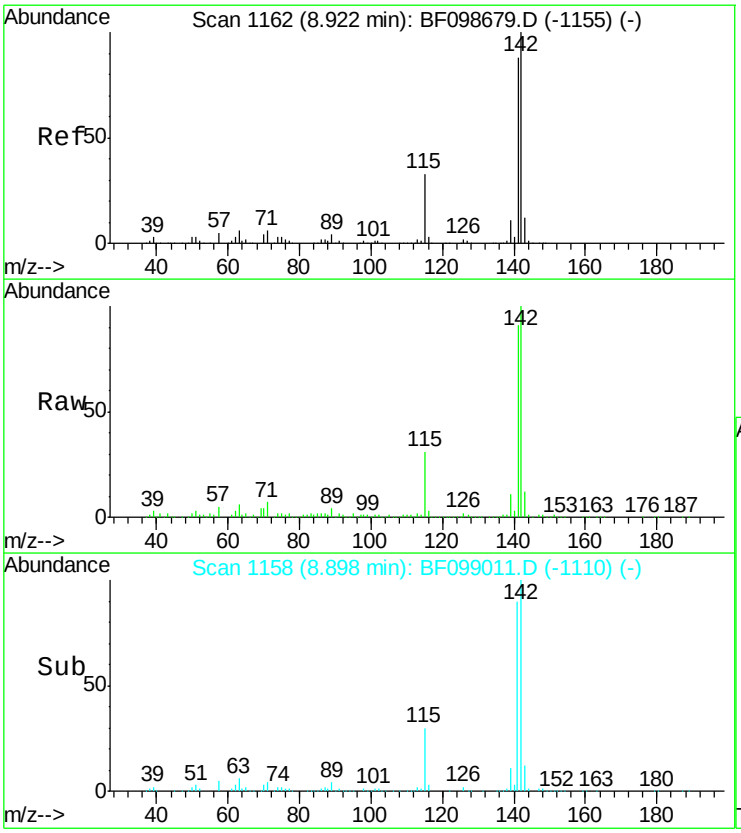
#31
Naphthalene
Concen: 10.42 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 250462

Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	13.2	10.9	16.3

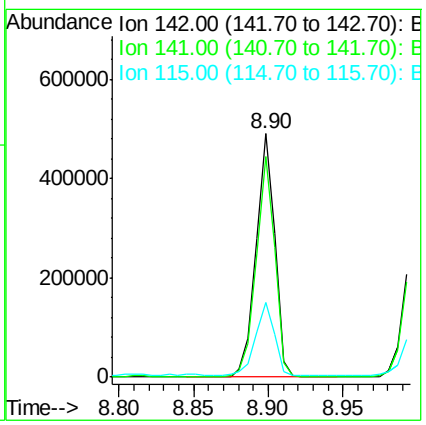


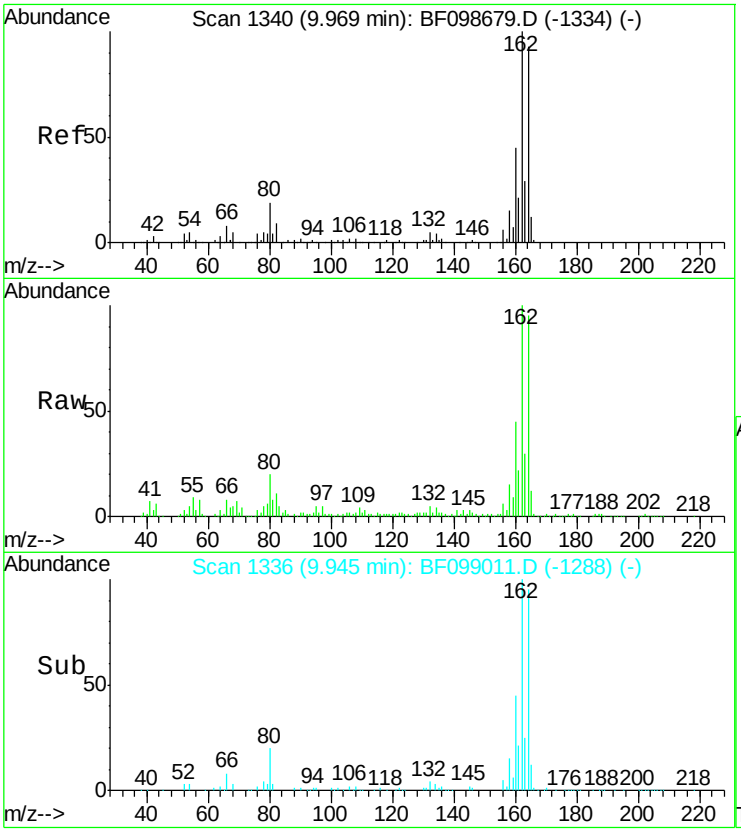


#37
2-Methylnaphthalene
Concen: 27.07 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:142 Resp: 423041

Ion	Ratio	Lower	Upper
142	100		
141	90.6	70.8	106.2
115	30.6	26.1	39.1



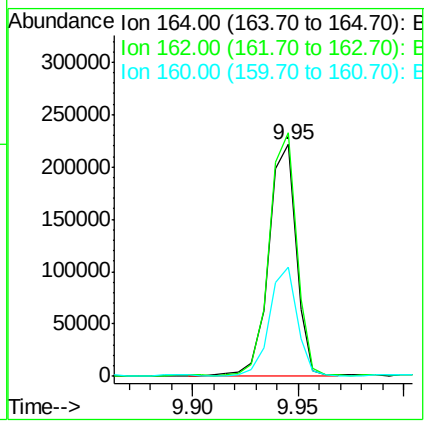


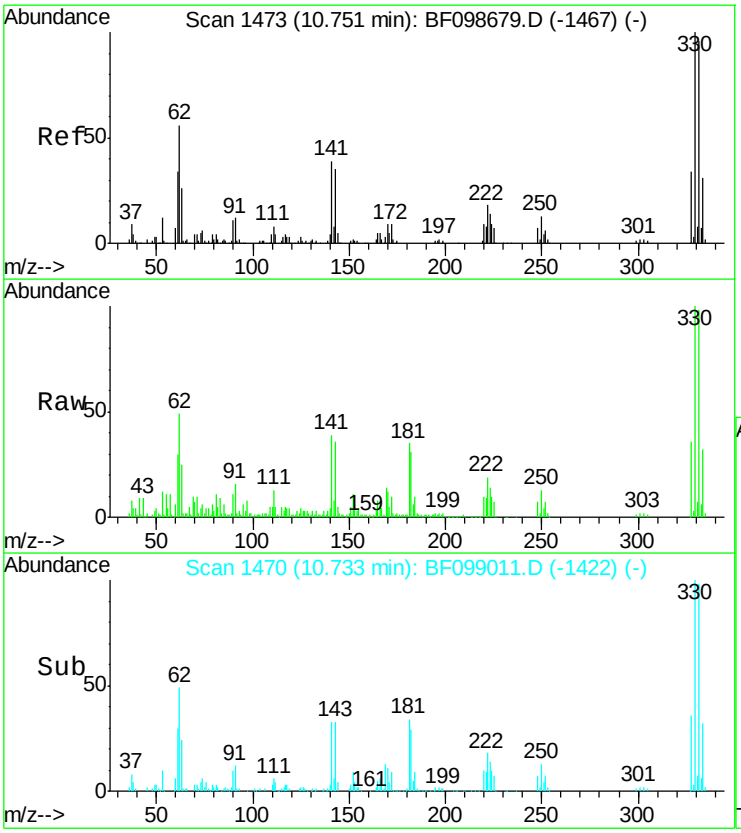
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 201025

Ion	Ratio	Lower	Upper
164	100		
162	105.1	86.1	129.1
160	47.2	38.3	57.5

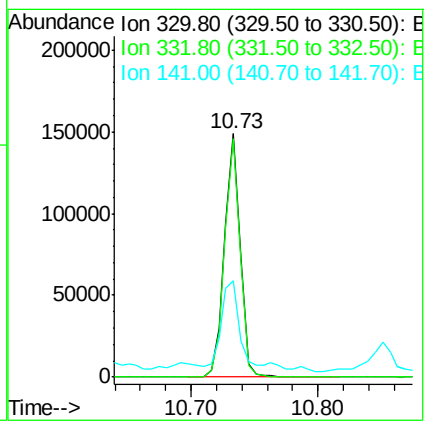


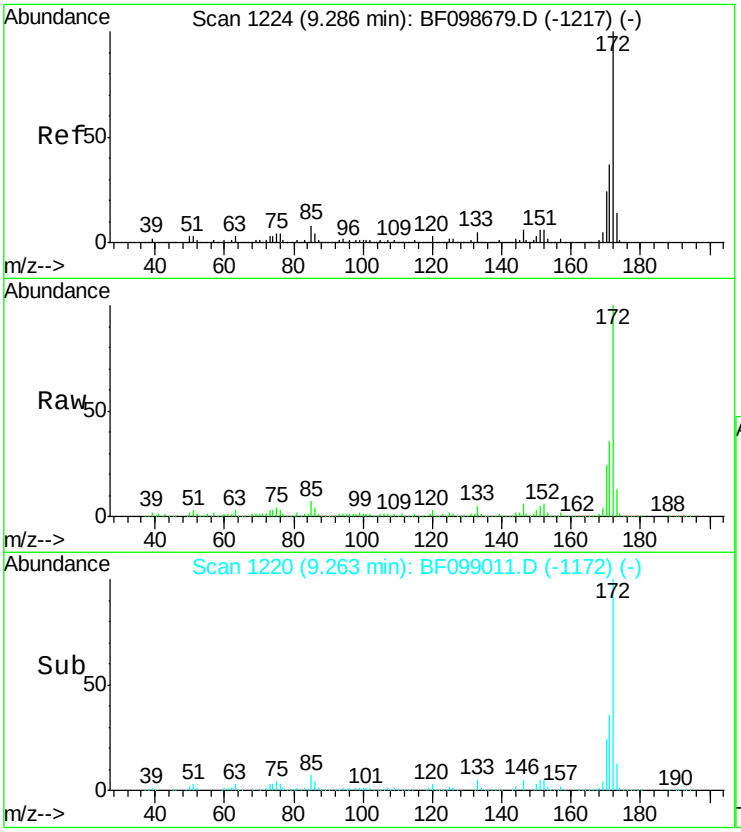


#41
2,4,6-Tribromophenol
Concen: 78.16 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:330 Resp: 128564

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	45.5	29.9	44.9#



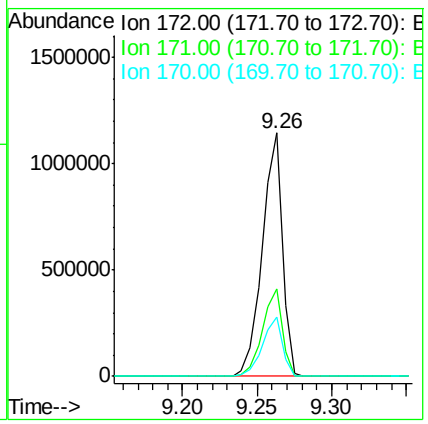


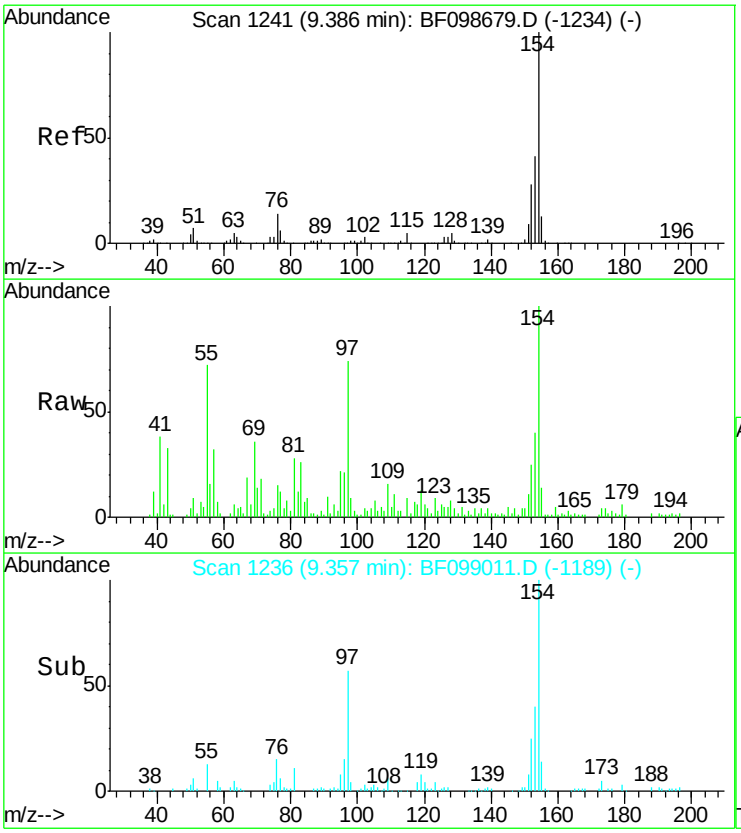
#44
2-Fluorobiphenyl
Concen: 87.82 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 1057539

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.1	19.6	29.4

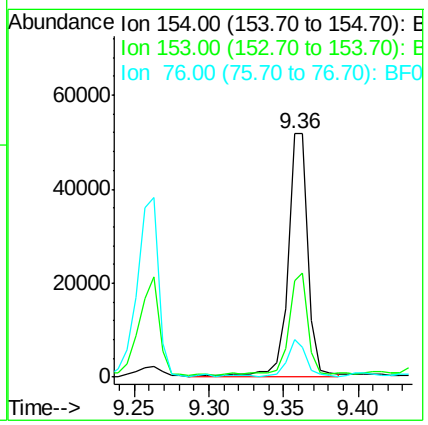


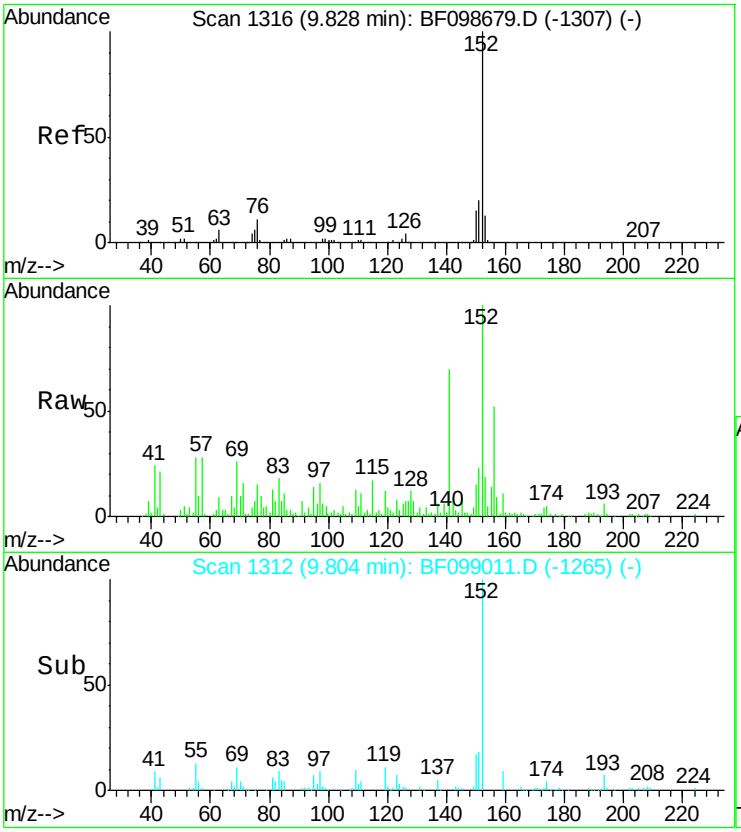


#45
1,1'-Biphenyl
Concen: 2.90 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:154 Resp: 50143

Ion	Ratio	Lower	Upper
154	100		
153	39.7	21.3	61.3
76	15.4	0.0	34.0



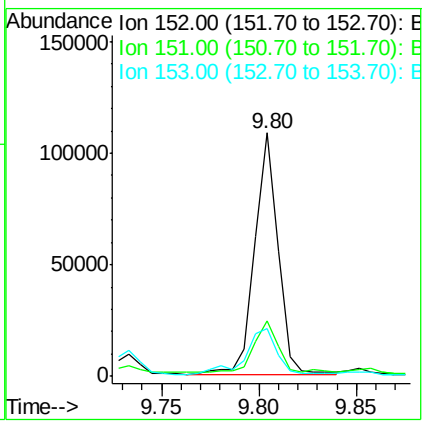


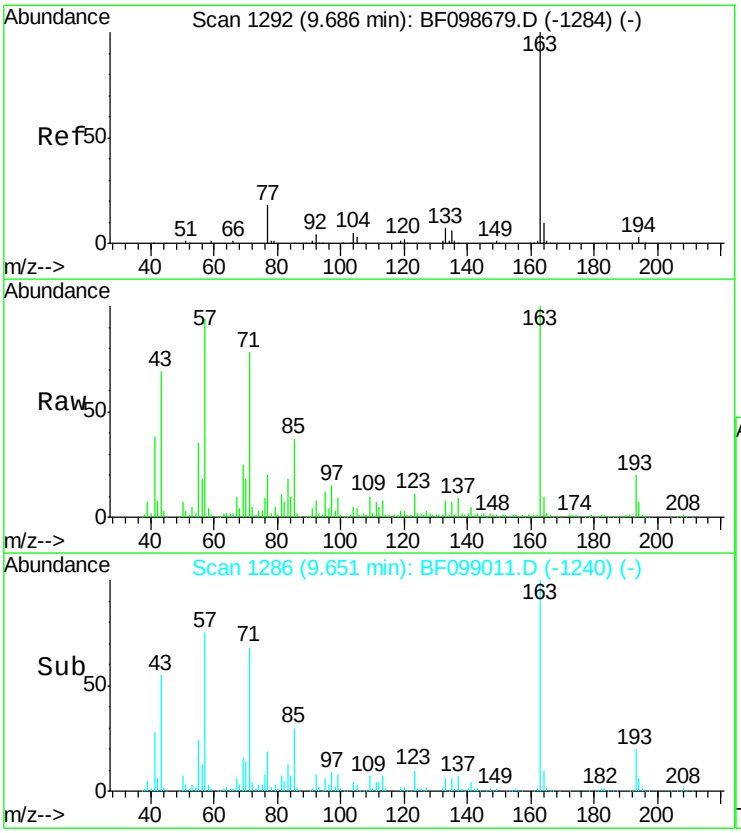
#48
Acenaphthylene
Concen: 4.52 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 89835

Ion	Ratio	Lower	Upper
152	100		
151	22.7	16.3	24.5
153	19.4	10.7	16.1#

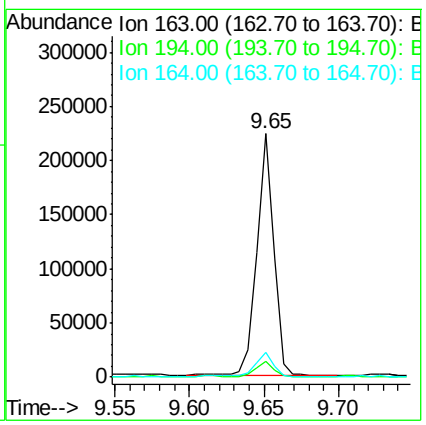


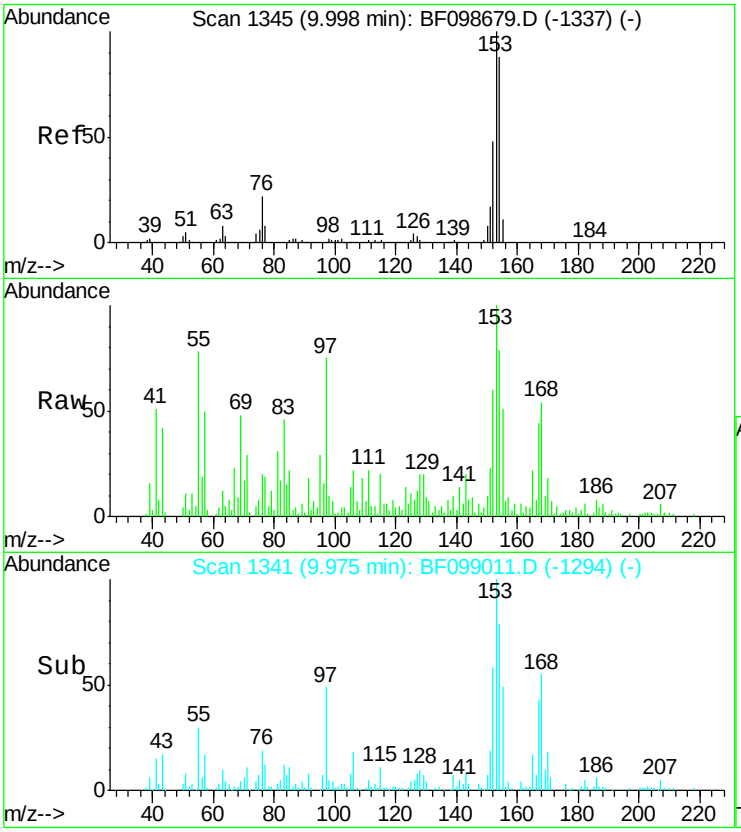


#49
Dimethylphthalate
Concen: 11.43 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.03 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:163 Resp: 173435

Ion	Ratio	Lower	Upper
163	100		
194	6.7	2.7	4.1#
164	10.0	8.2	12.2



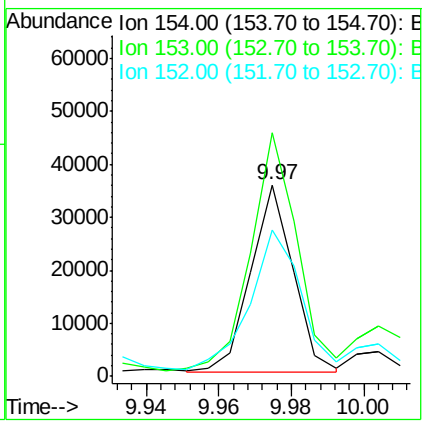


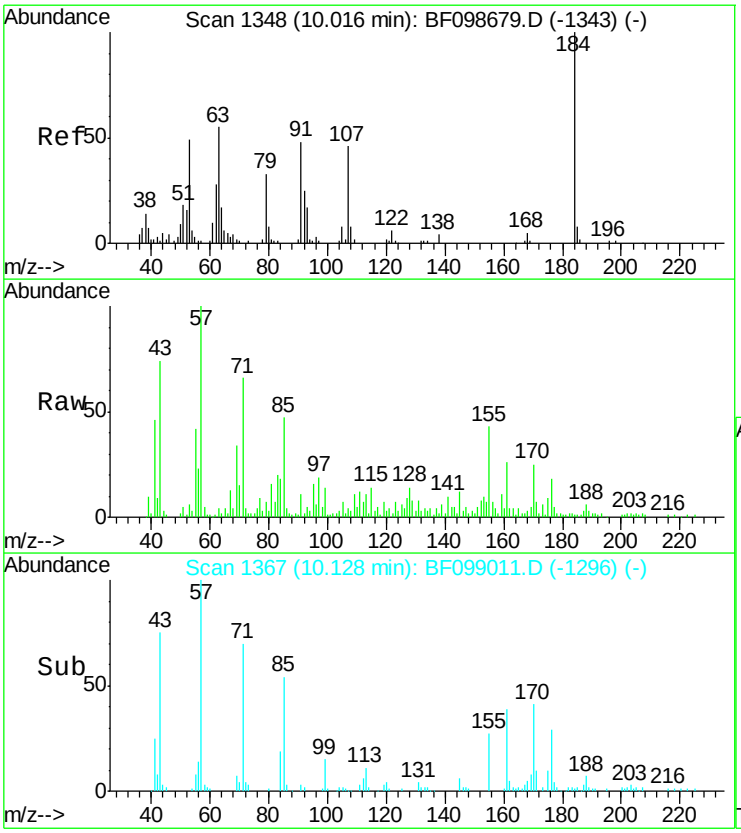
#51
Acenaphthene
Concen: 2.29 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 28818

Ion	Ratio	Lower	Upper
154	100		
153	127.1	91.2	136.8
152	76.3	43.8	65.8#

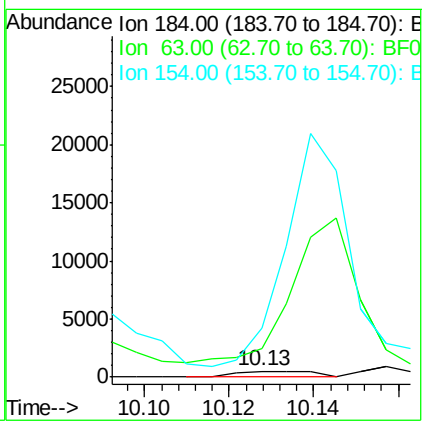


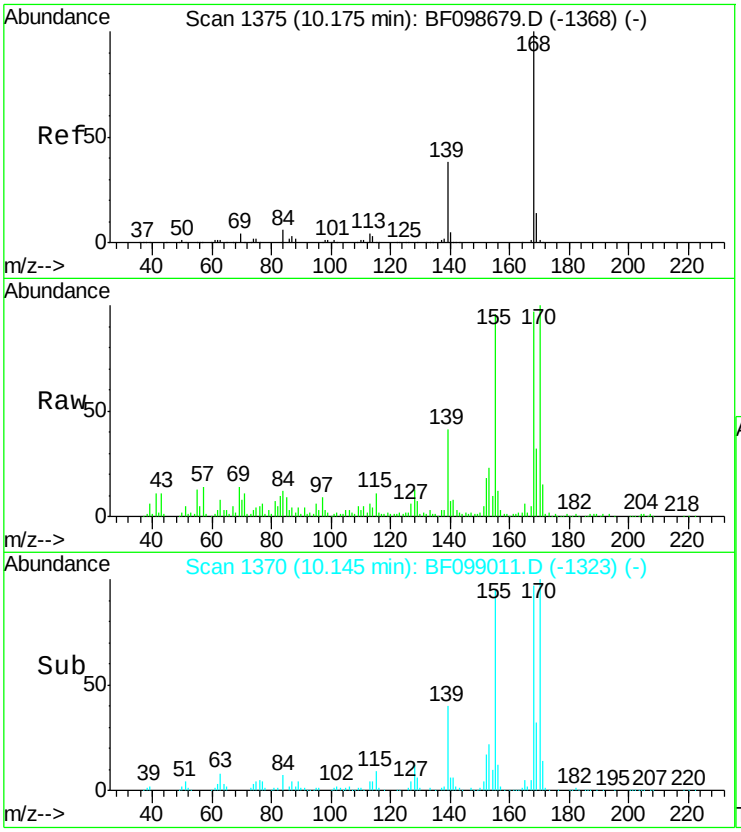


#53
2,4-Dinitrophenol
Concen: 6.17 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.12 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:184 Resp: 643

Ion	Ratio	Lower	Upper
184	100		
63	470.3	54.2	81.2#
154	812.7	53.5	80.3#



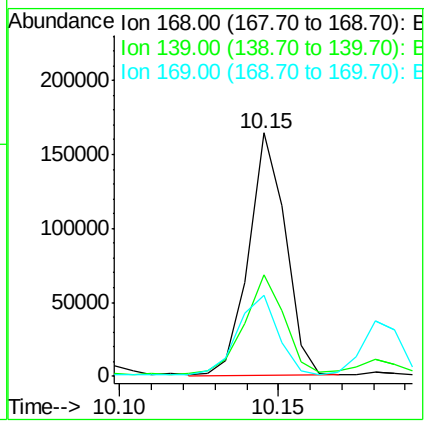


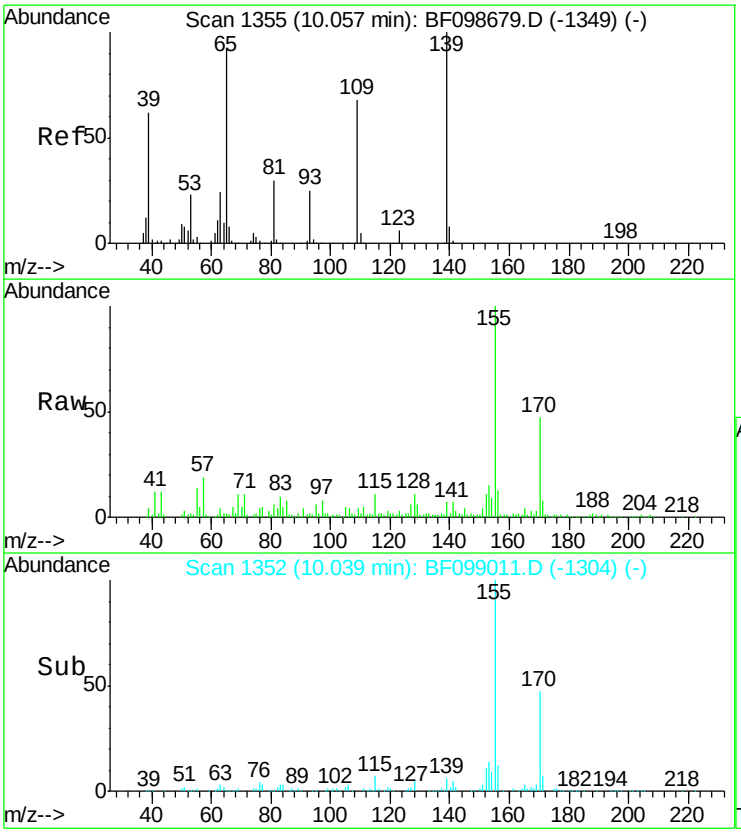
#54
Dibenzofuran
Concen: 7.88 ng
RT: 10.15 min Scan# 1370
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 131999

Ion	Ratio	Lower	Upper
168	100		
139	41.9	30.1	45.1
169	33.1	10.9	16.3#

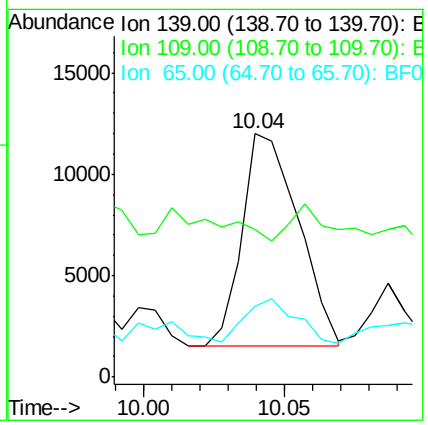


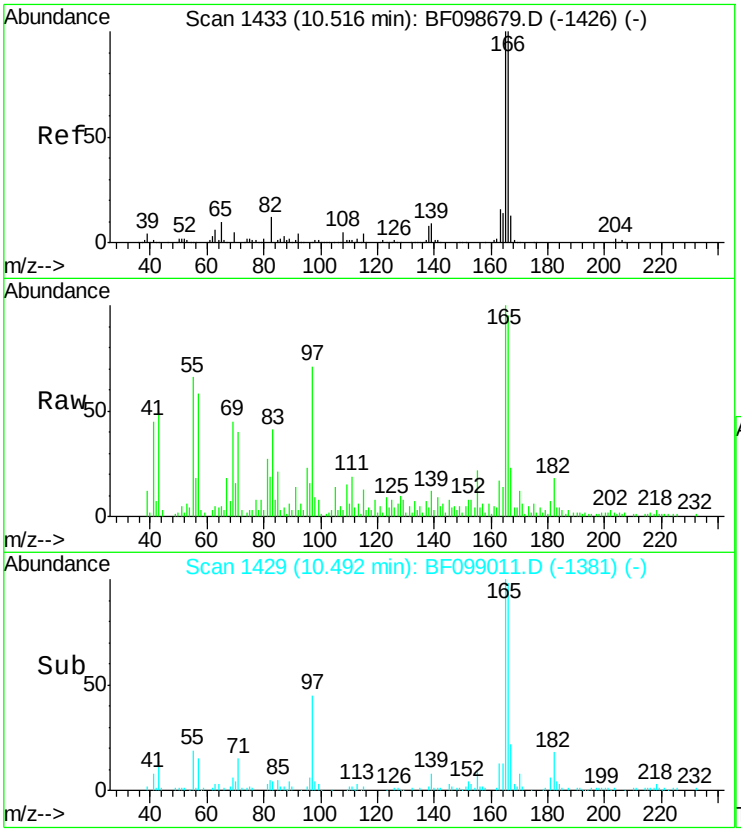


#55
4-Nitrophenol
Concen: 4.43 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:139 Resp: 14442

Ion	Ratio	Lower	Upper
139	100		
109	60.7	48.4	88.4
65	29.0	72.6	112.6#



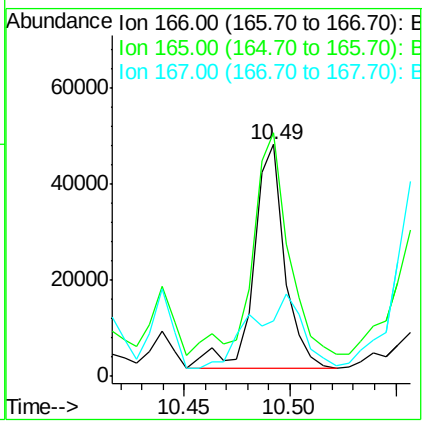


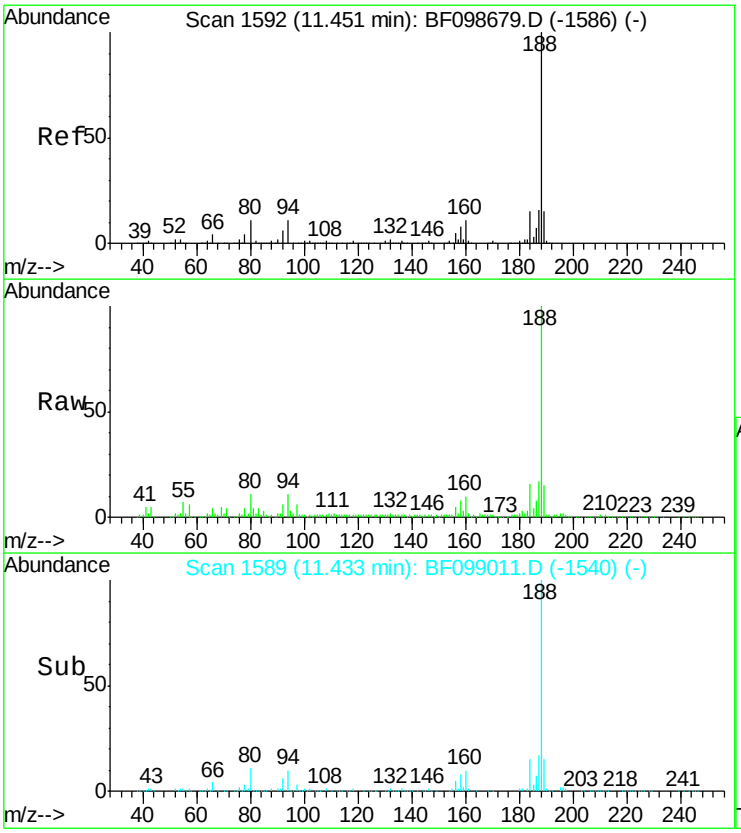
#57
Fluorene
Concen: 3.57 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 48014

Ion	Ratio	Lower	Upper
166	100		
165	105.1	79.8	119.8
167	24.1	10.6	16.0#

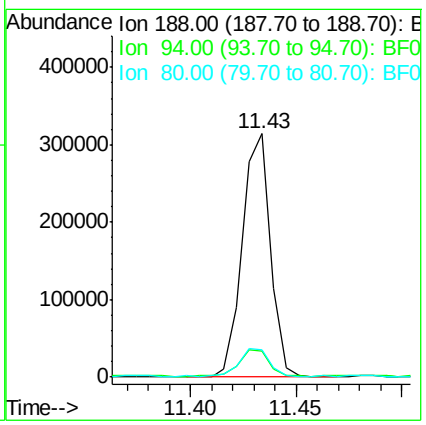


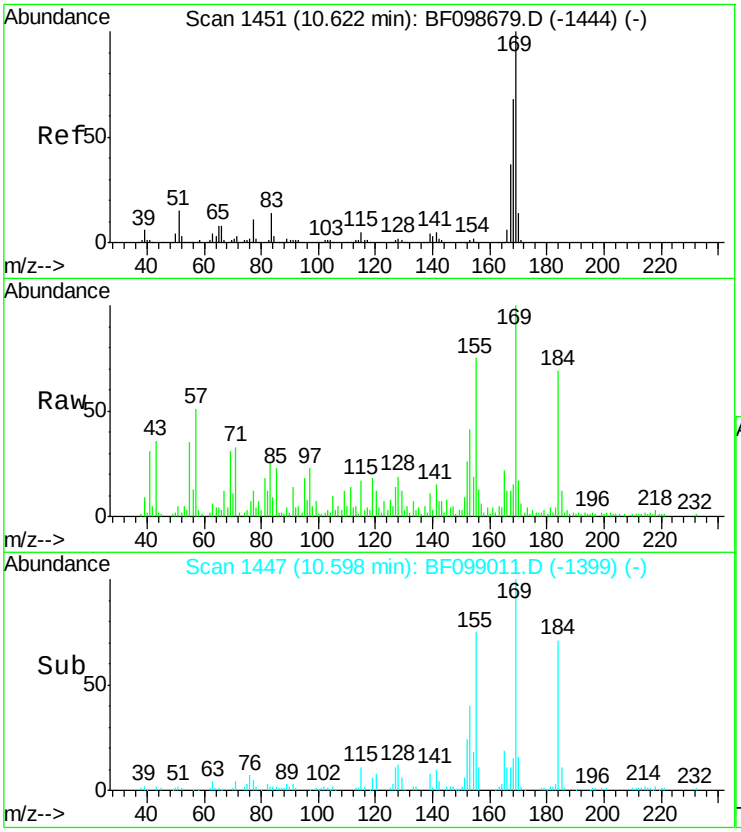


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:188 Resp: 289743

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.2	9.2	13.8



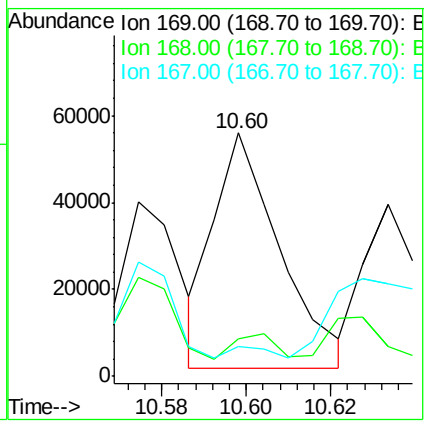


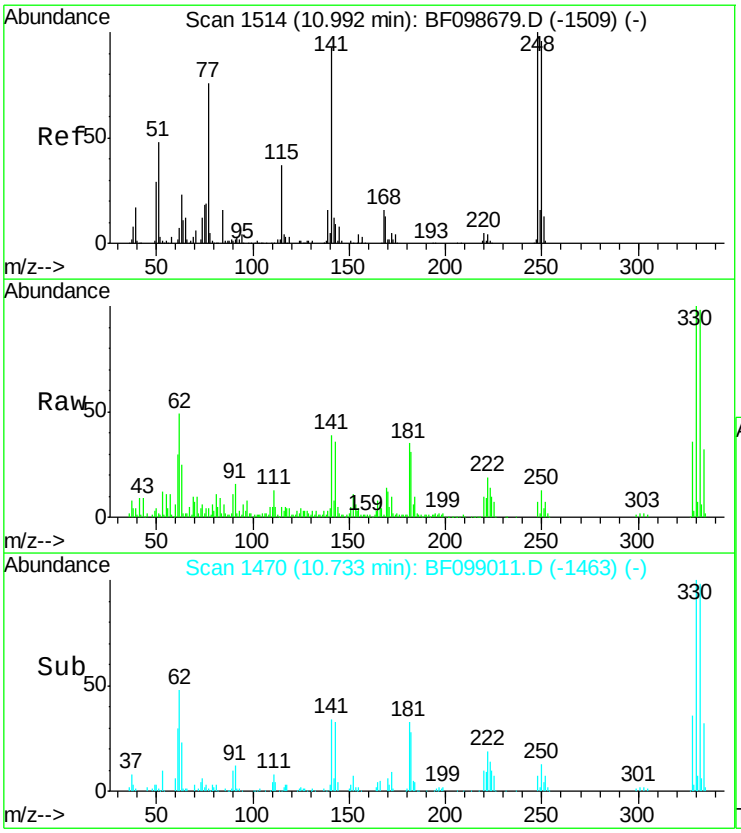
#65
n-Nitrosodiphenylamine
Concen: 5.85 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:169 Resp: 58730

Ion	Ratio	Lower	Upper
169	100		
168	15.4	54.4	81.6#
167	12.3	29.8	44.6#

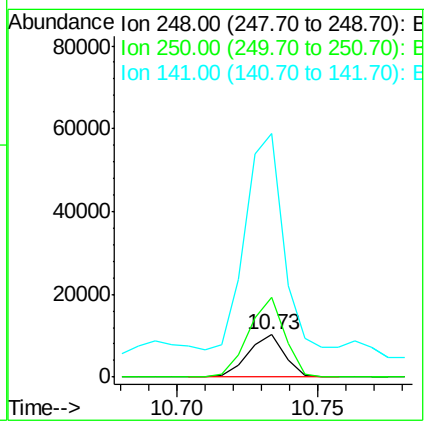


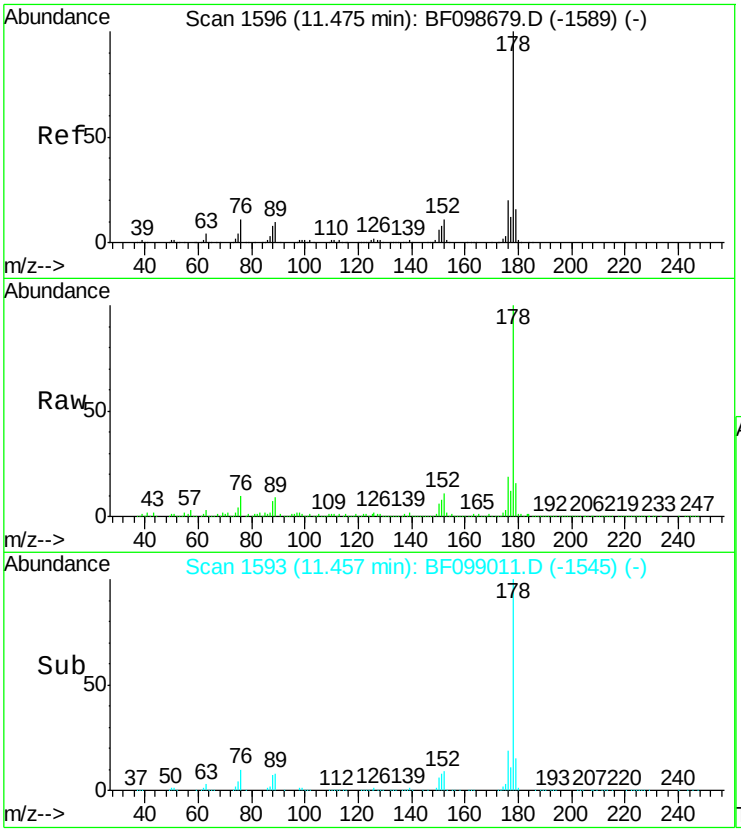


#66
4-Bromophenyl-phenylether
Concen: 3.19 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.26 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:248 Resp: 9034

Ion	Ratio	Lower	Upper
248	100		
250	190.5	76.9	115.3#
141	578.1	74.4	111.6#



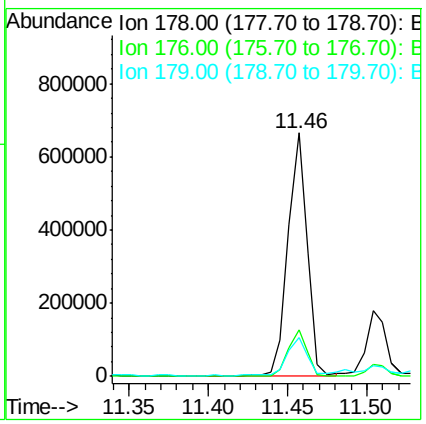


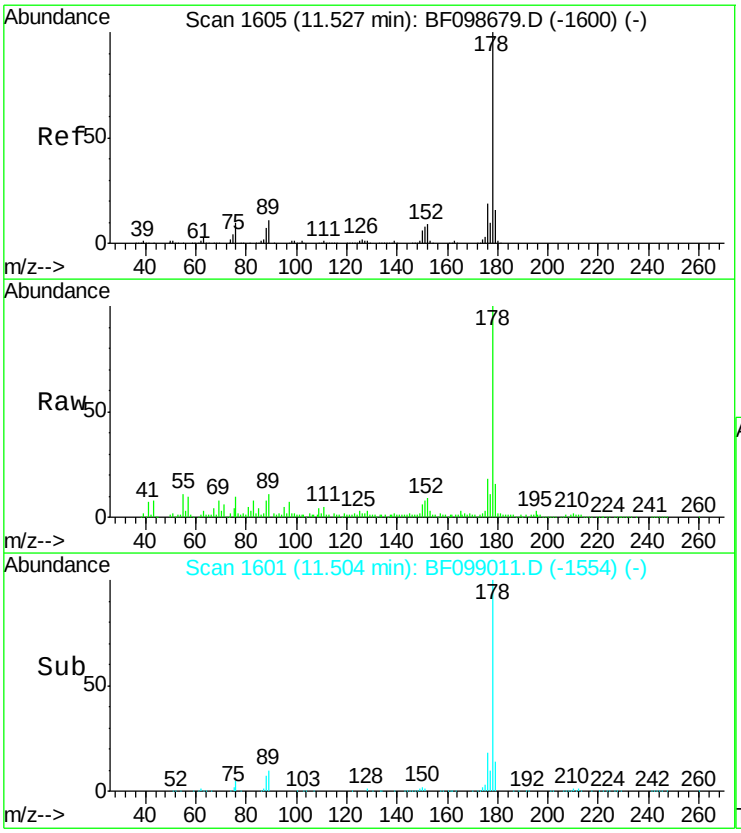
#70
Phenanthrene
Concen: 35.79 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 555134

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	16.0	13.0	19.6

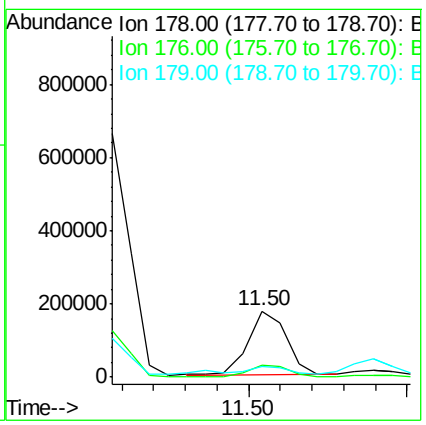


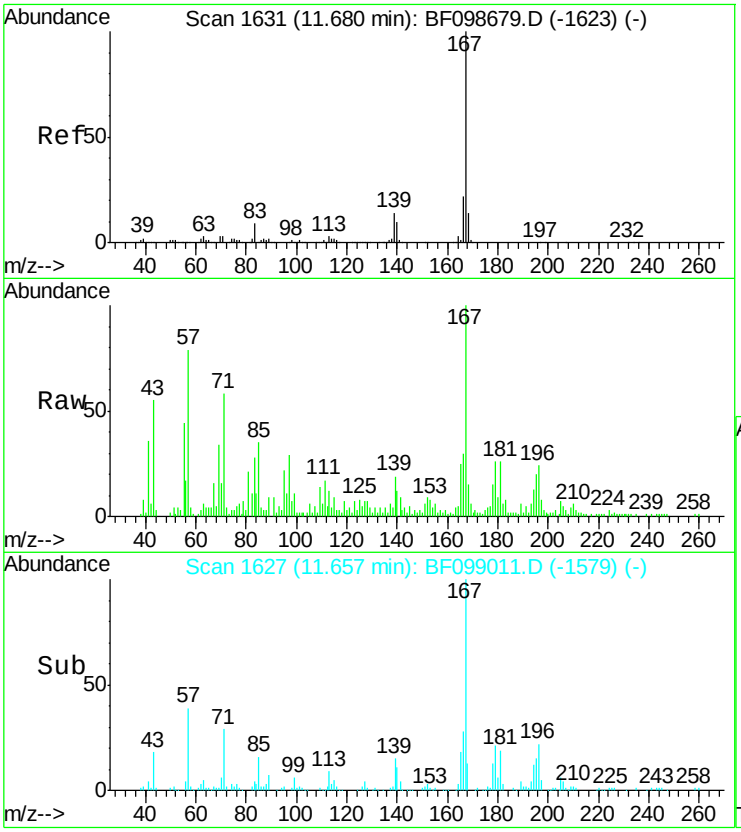


#71
Anthracene
Concen: 9.09 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:178 Resp: 144273

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.9	12.6	19.0



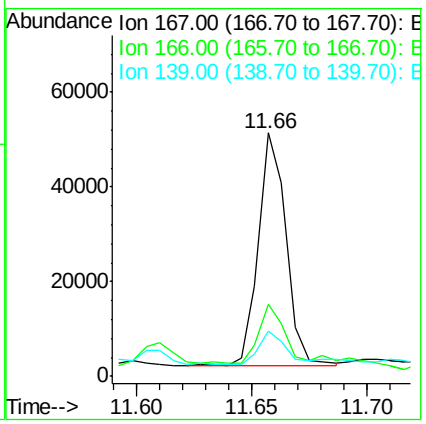


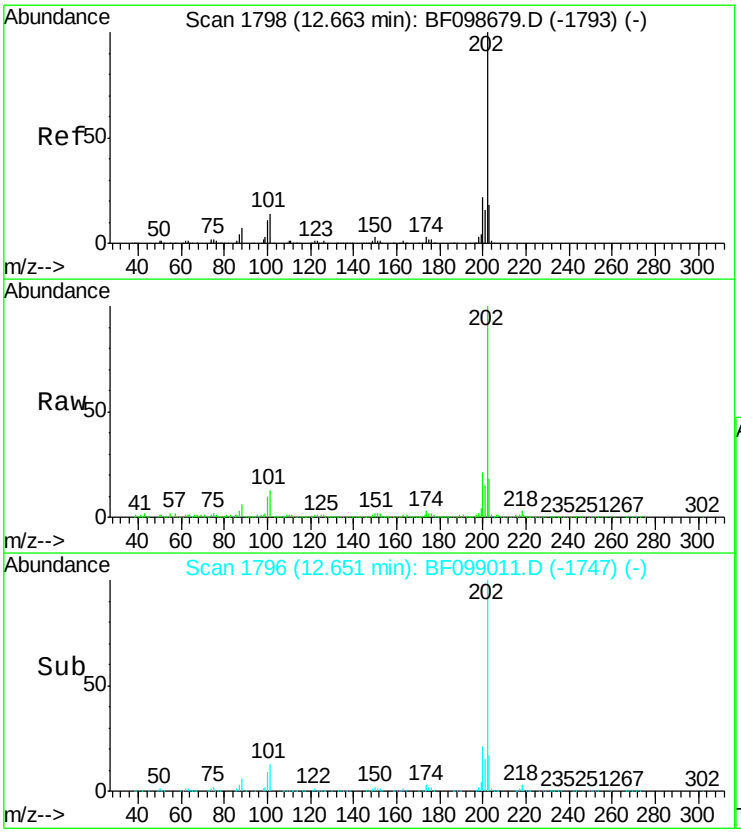
#72
Carbazole
Concen: 2.66 ng
RT: 11.66 min Scan# 1627
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 41371

Ion	Ratio	Lower	Upper
167	100		
166	29.8	17.6	26.4#
139	18.6	10.9	16.3#

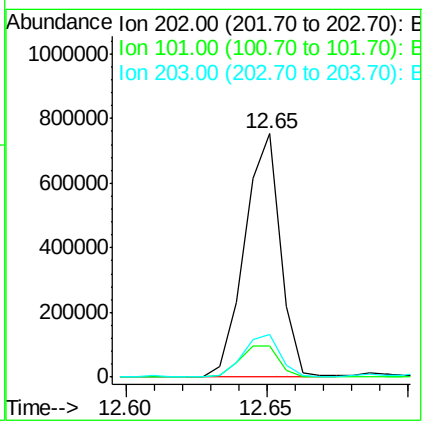


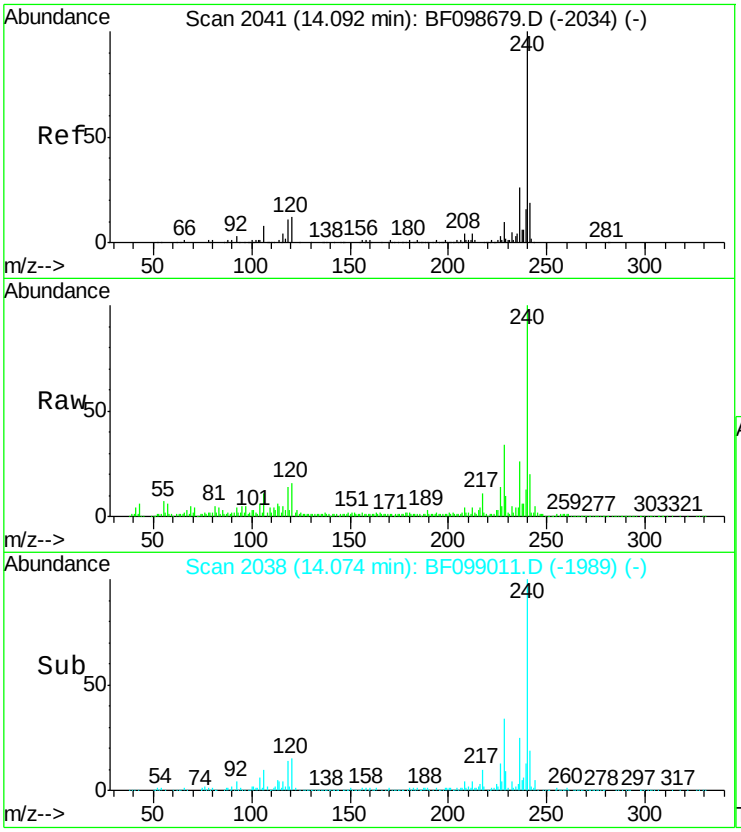


#74
Fluoranthene
Concen: 41.77 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:202 Resp: 655932

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	17.6	0.0	38.1



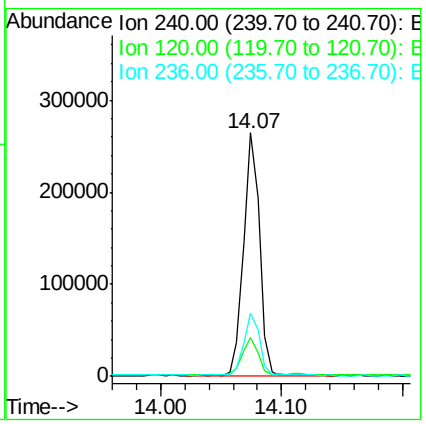


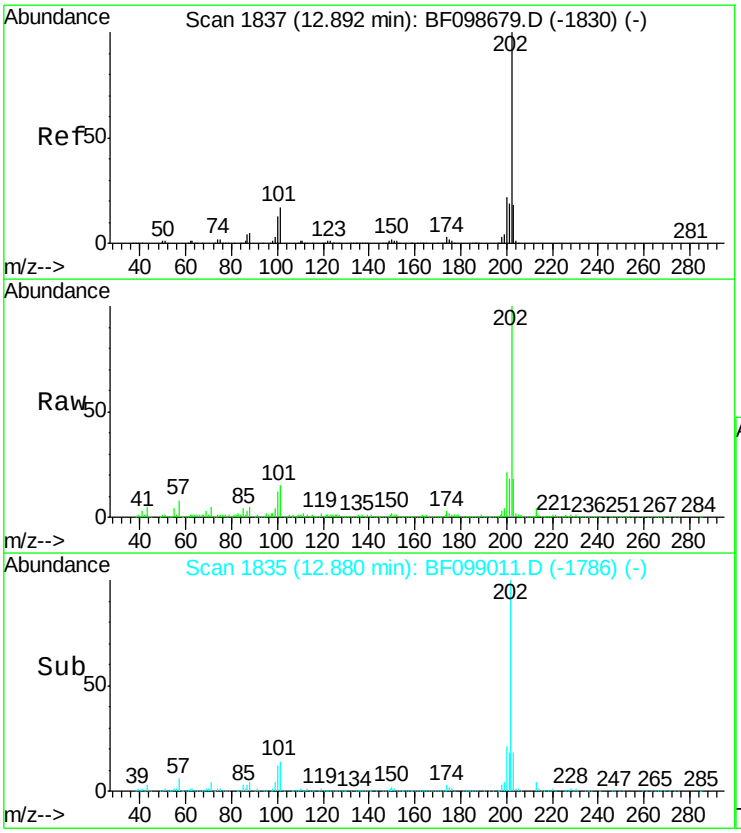
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 247457

Ion	Ratio	Lower	Upper
240	100		
120	15.8	9.5	14.3#
236	25.9	20.7	31.1

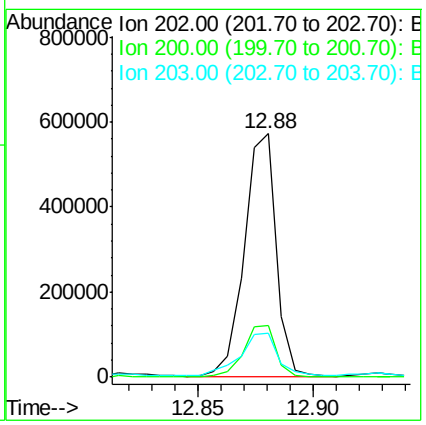


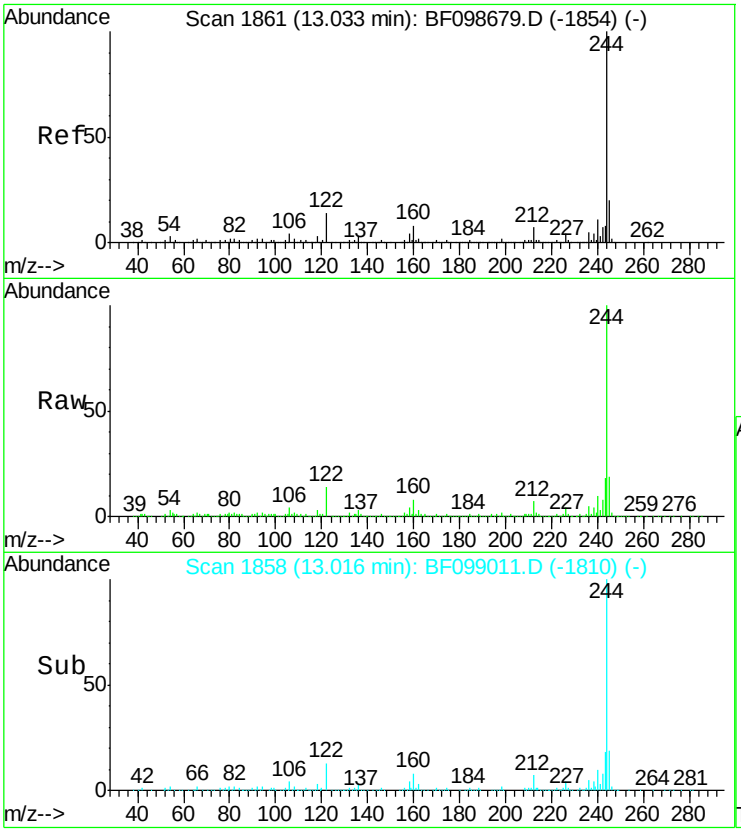


#77
Pyrene
Concen: 29.16 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:202 Resp: 550261

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	18.0	14.3	21.5



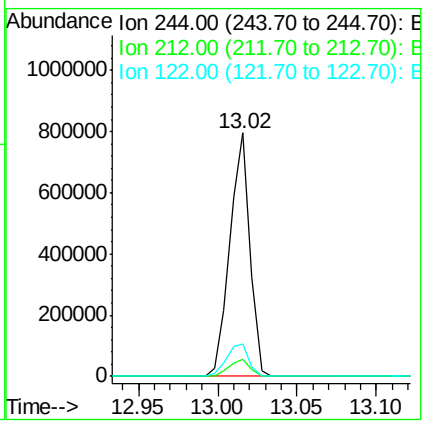


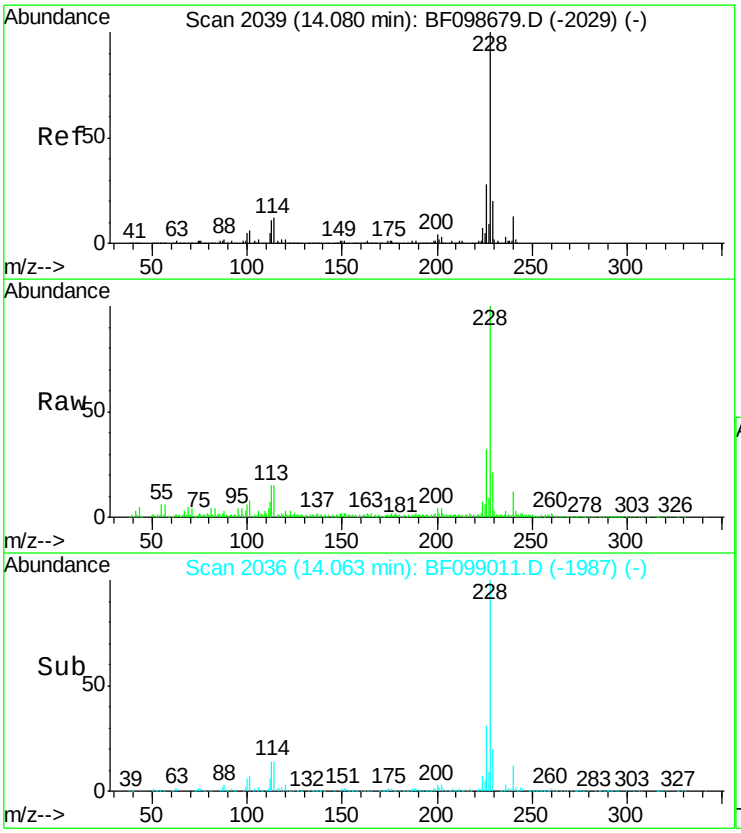
#78
Terphenyl-d14
Concen: 64.15 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 697970

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.5	11.0	16.4

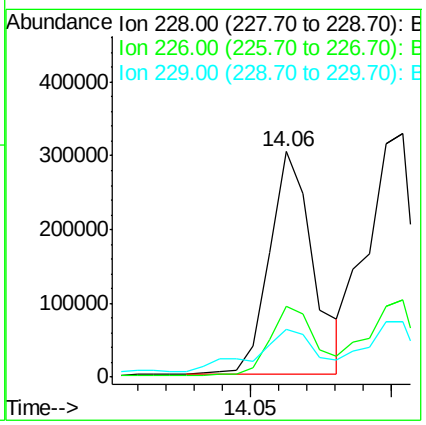


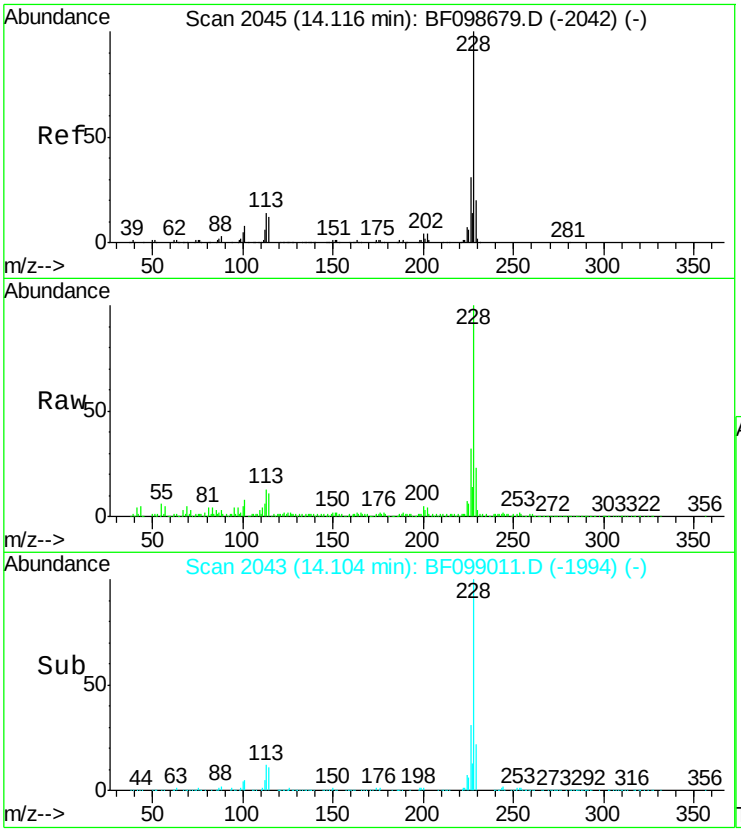


#80
Benzo(a)anthracene
Concen: 21.78 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:228 Resp: 326343

Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	33.8
229	21.3	15.8	23.6



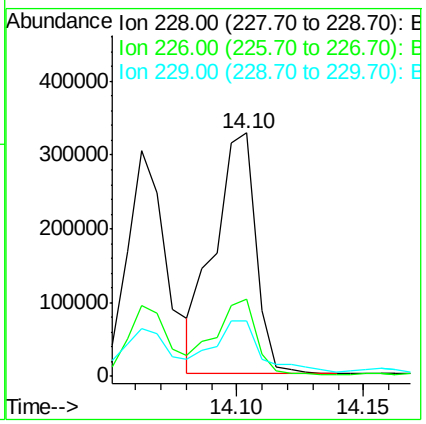


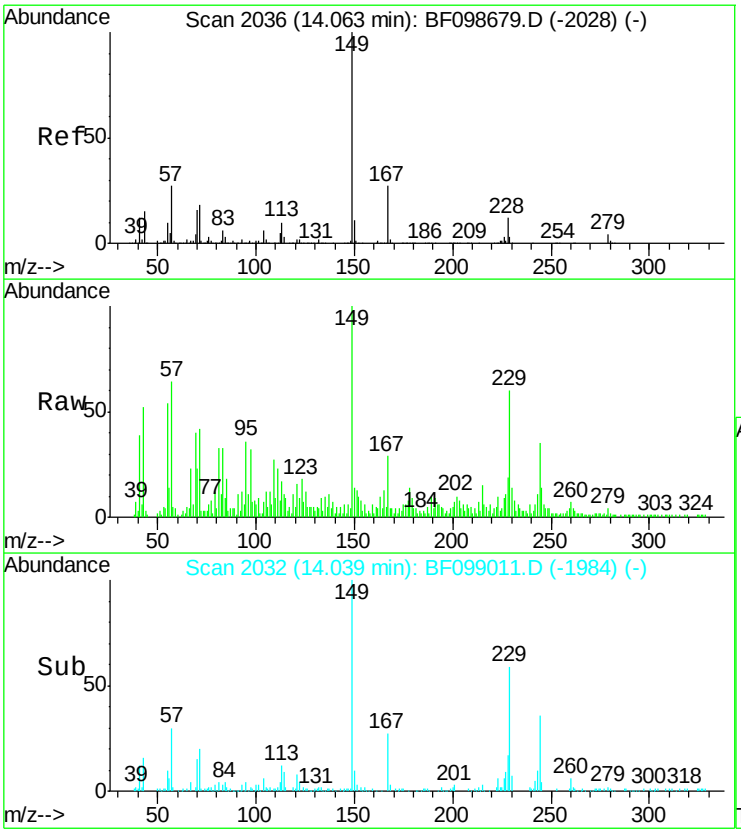
#82
Chrysene
Concen: 25.97 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 370418

Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	22.8	16.2	24.4

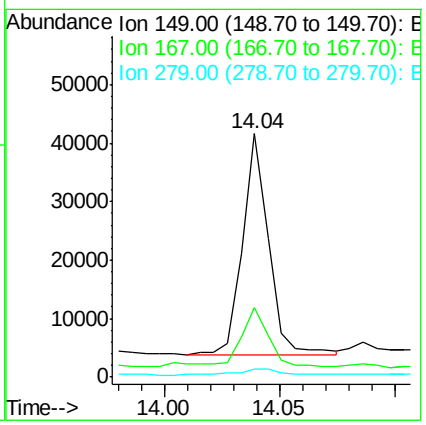


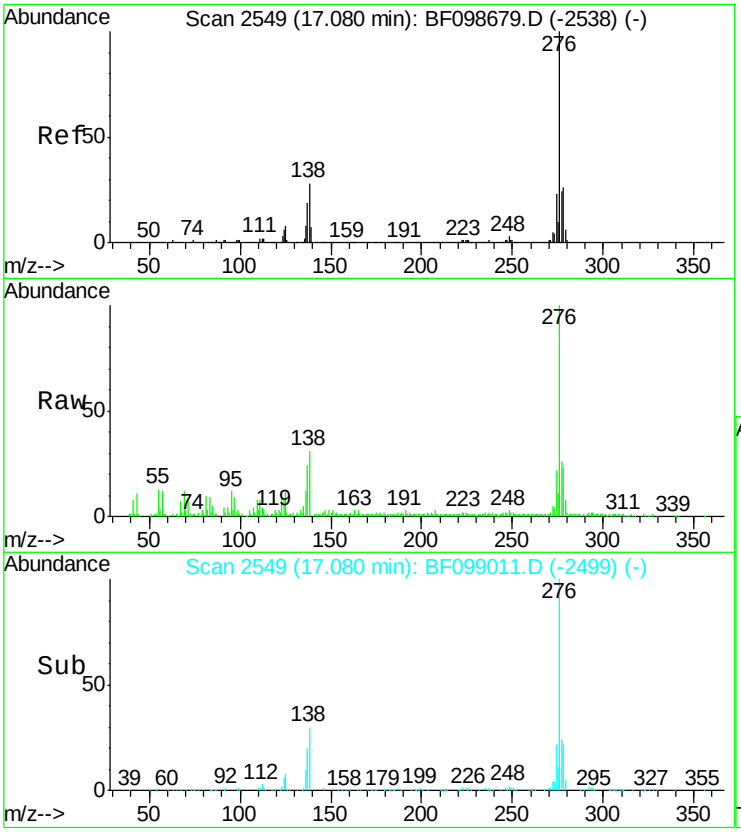


#83
Bis(2-ethylhexyl)phthalate
Concen: 2.49 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:149 Resp: 30356

Ion	Ratio	Lower	Upper
149	100		
167	28.8	21.3	31.9
279	3.5	3.0	4.4



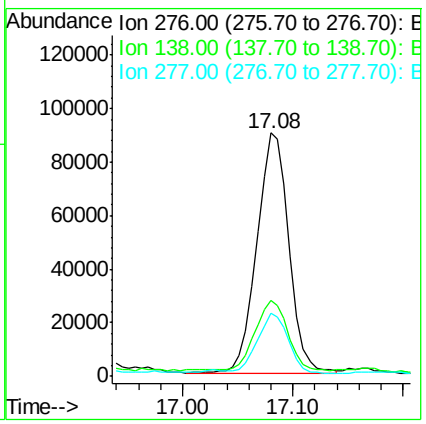


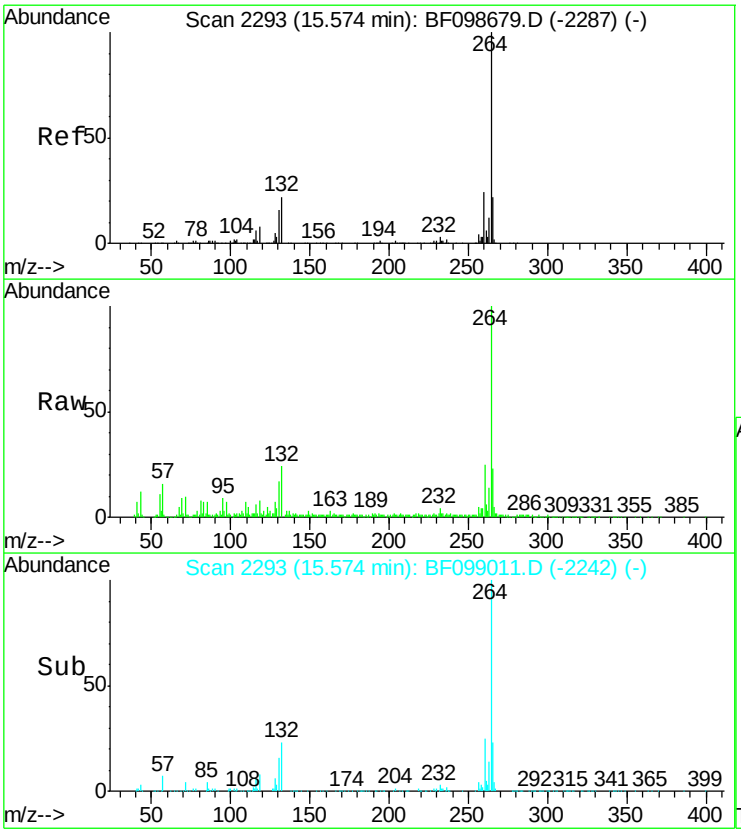
#85
Indeno(1,2,3-cd)pyrene
Concen: 16.09 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 183646

Ion	Ratio	Lower	Upper
276	100		
138	30.8	25.0	37.6
277	23.8	20.1	30.1

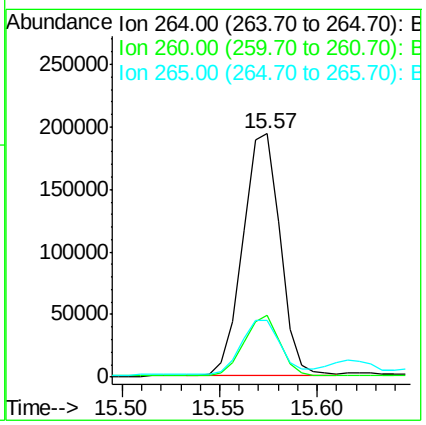


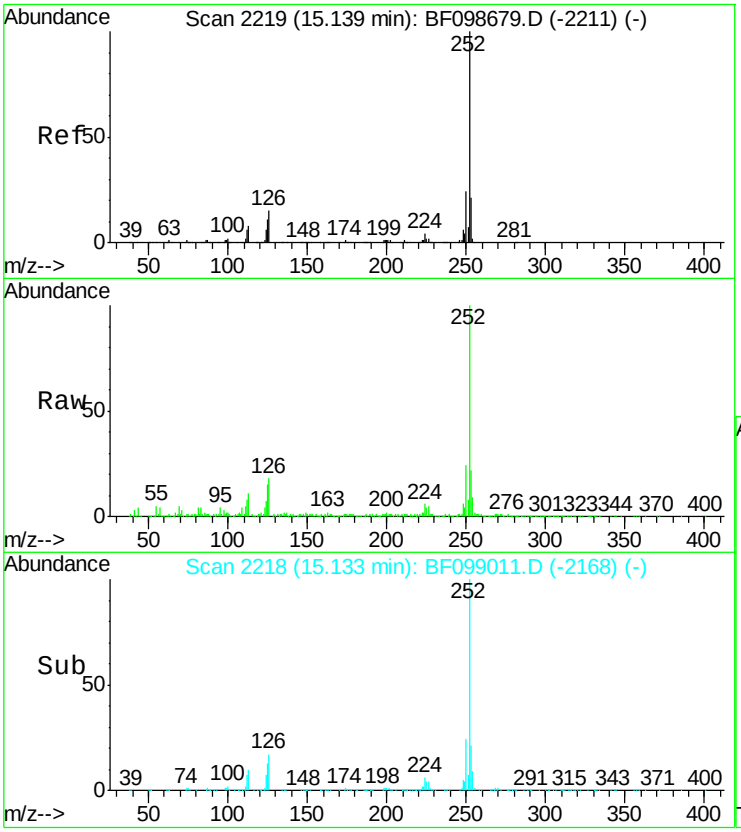


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:264 Resp: 256983

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	23.2	17.5	26.3



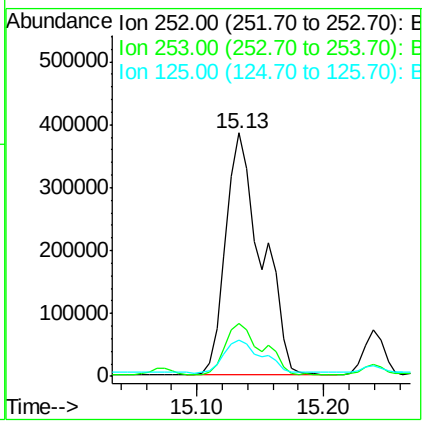


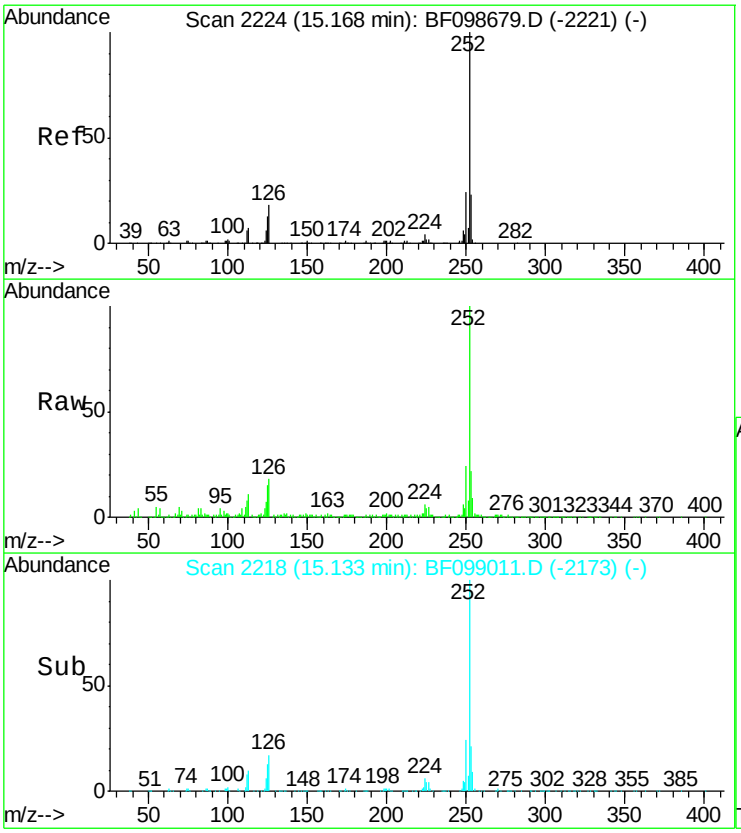
#87
Benzo(b)fluoranthene
Concen: 47.93 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 757292

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	14.9	9.0	13.6#

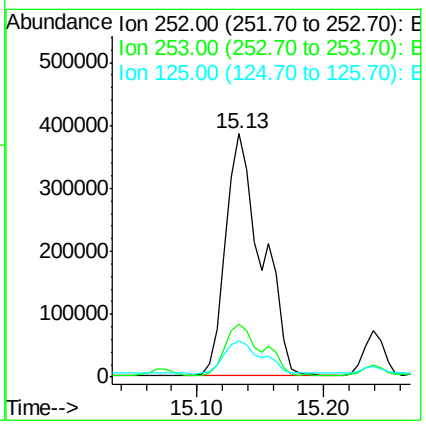


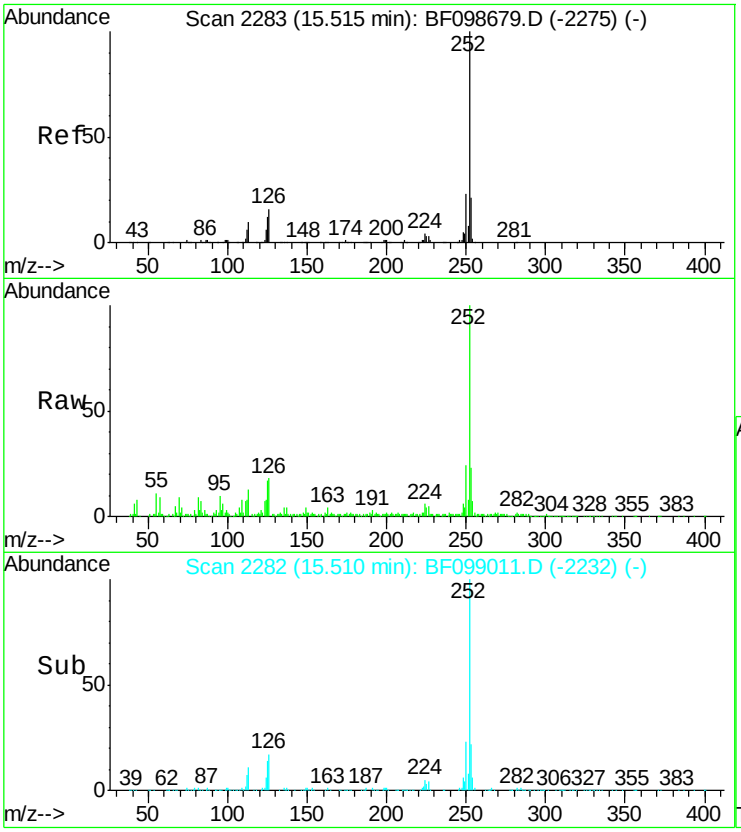


#88
Benzo(k)fluoranthene
Concen: 48.53 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:252 Resp: 757292

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	14.9	10.2	15.2



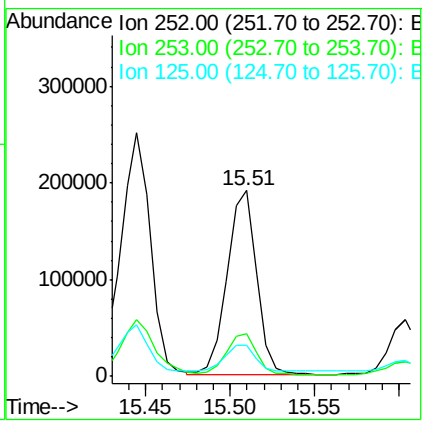


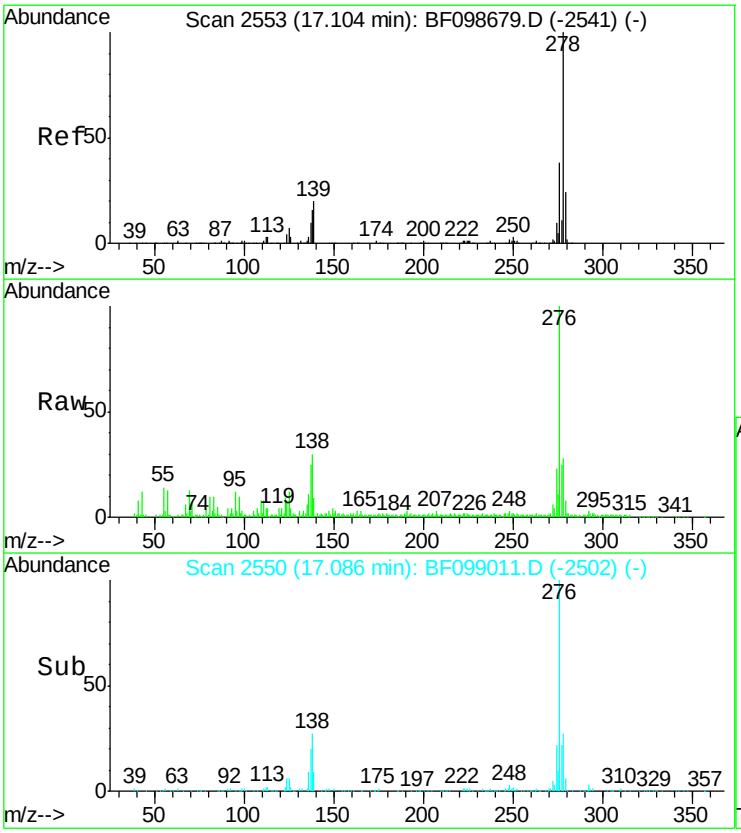
#89
Benzo(a)pyrene
Concen: 15.86 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 229990

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	16.7	9.8	14.6#

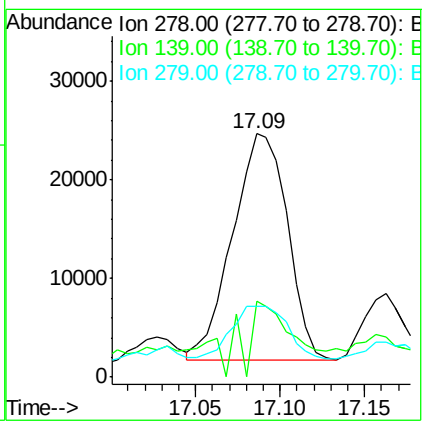


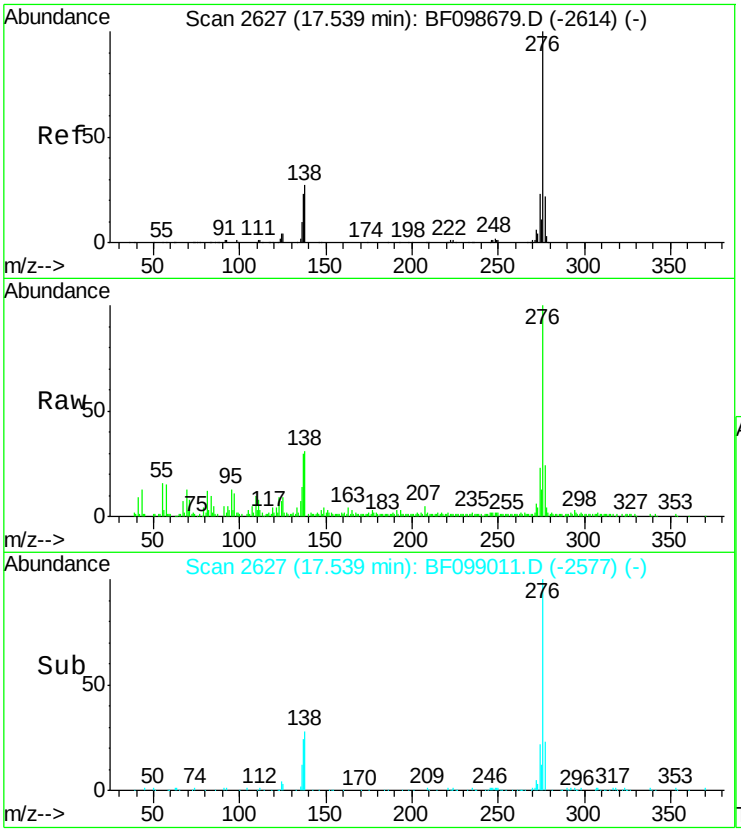


#90
Dibenzo(a,h)anthracene
Concen: 4.44 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:278 Resp: 51496

Ion	Ratio	Lower	Upper
278	100		
139	31.4	15.9	23.9#
279	29.3	19.0	28.4#





#91
Benzo(g,h,i)perylene
Concen: 12.82 ng
RT: 17.54 min Scan# 2627
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 147047

Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	30.6	21.8	32.8