Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117633.D
Acq On : 30 Oct 2019 19:06
Operator : JU
Sample : K5140-05RE 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 31 01:25:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	17379	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	73068	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	33225	20.00	ng		0.00
64) Phenanthrene-d10	11.25	188	44659	20.00	ng		0.00
76) Chrysene-d12	13.90	240	36622	20.00	ng		0.00
87) Perylene-d12	15.34	264	27423	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.36	112	108901	93.22	ng		0.00
7) Phenol-d6	6.39	99	155152	98.89	ng		0.00
23) Nitrobenzene-d5	7.29	82	85930	58.06	ng		-0.01
42) 2,4,6-Tribromophenol	10.56	330	19892	69.19	ng		0.00
45) 2-Fluorobiphenyl	9.08	172	123470	52.36	ng		-0.01
79) Terphenyl-d14	12.83	244	109064	48.58	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.28	77	1430	Below Cal		#	1
15) Benzyl Alcohol	6.88	79	3265	2.913	ng	#	52
18) Hexachloroethane	7.26	117	8745	16.056	ng	#	1
22) Acetophenone	7.12	105	26901	13.865	ng	#	52
25) Isophorone	7.53	82	12439	4.858	ng	#	1
26) 2-Nitrophenol	7.63	139	2011	3.181	ng	#	1
35) Caprolactam	8.47	113	1341	4.212	ng	#	1
37) 2-Methylnaphthalene	8.73	142	9280	3.803	ng	#	89
38) 1-Methylnaphthalene	8.73	142	9280	4.047	ng		96
50) Dimethylphthalate	9.48	163	19190	8.102	ng	#	97
56) 4-Nitrophenol	9.92	139	201	4.821	ng	#	1
57) 2,4-Dinitrotoluene	9.97	165	1546	2.353	ng	#	82
58) Fluorene	10.32	166	7806	3.486	ng	#	97
66) n-Nitrosodiphenylamine	10.42	169	3748	2.296	ng	#	72
67) 4-Bromophenyl-phenylether	10.56	248	1268	2.636	ng	#	1
71) Phenanthrene	11.27	178	46695	18.007	ng		98
72) Anthracene	11.27	178	46695	17.549	ng		97
75) Fluoranthene	12.47	202	60001	23.113	ng		97
77) Benzidine	12.63	184	289	Below Cal		#	1
78) Pyrene	12.70	202	48649	15.466	ng		94
81) Benzo(a)anthracene	13.89	228	21181	8.574	ng	#	92
83) Chrysene	13.93	228	19801	8.179	ng	#	90
88) Benzo(b)fluoranthene	14.93	252	21687	13.392	ng	#	67
89) Benzo(k)fluoranthene	14.93	252	21687	13.066	ng	#	67
90) Benzo(a)pyrene	15.29	252	11053	7.507	ng	#	58
91) Dibenzo(a,h)anthracene	16.76	278	3030	2.380	ng	#	26
92) Benzo(g,h,i)perylene	17.21	276	6508	5.403	ng	#	61

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
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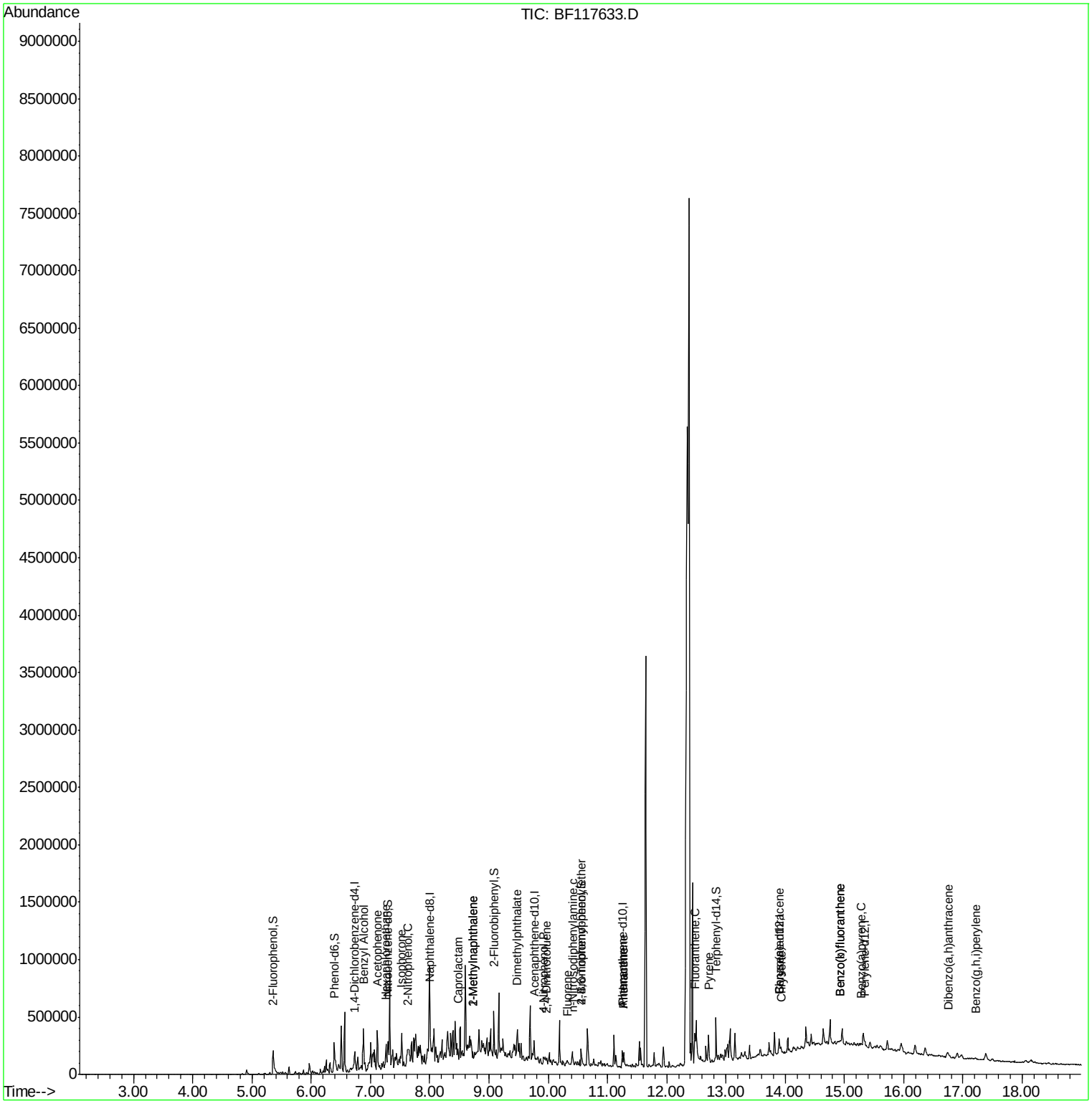
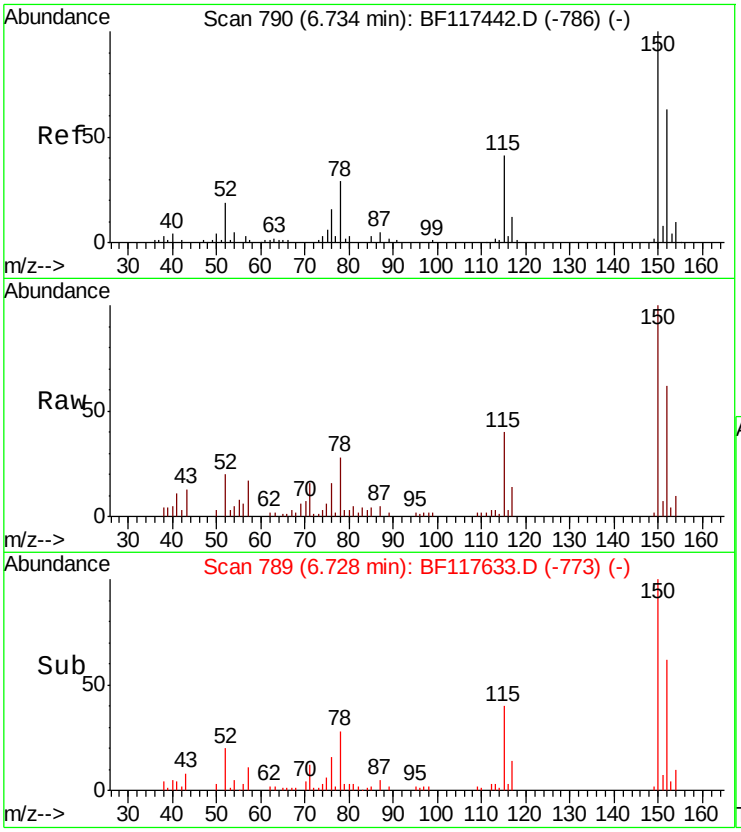
Acq On : 30 Oct 2019 19:06
Operator : JU
Sample : K5140-05RE 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 31 01:25:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration



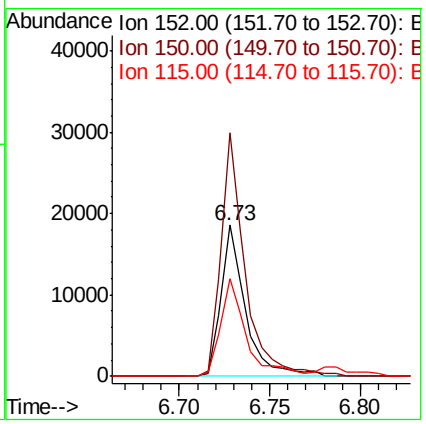


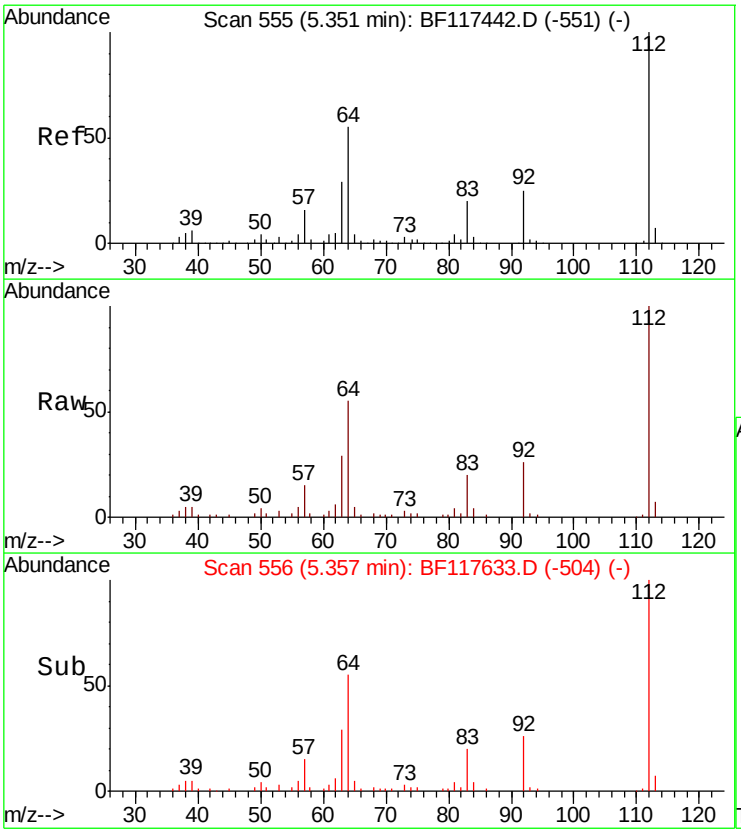
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 17379

Ion	Ratio	Lower	Upper
152	100		
150	161.4	126.8	190.2
115	64.5	51.6	77.4

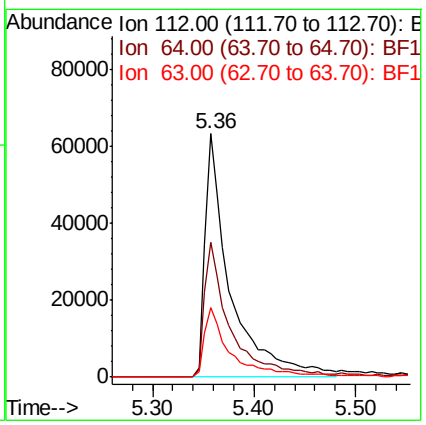


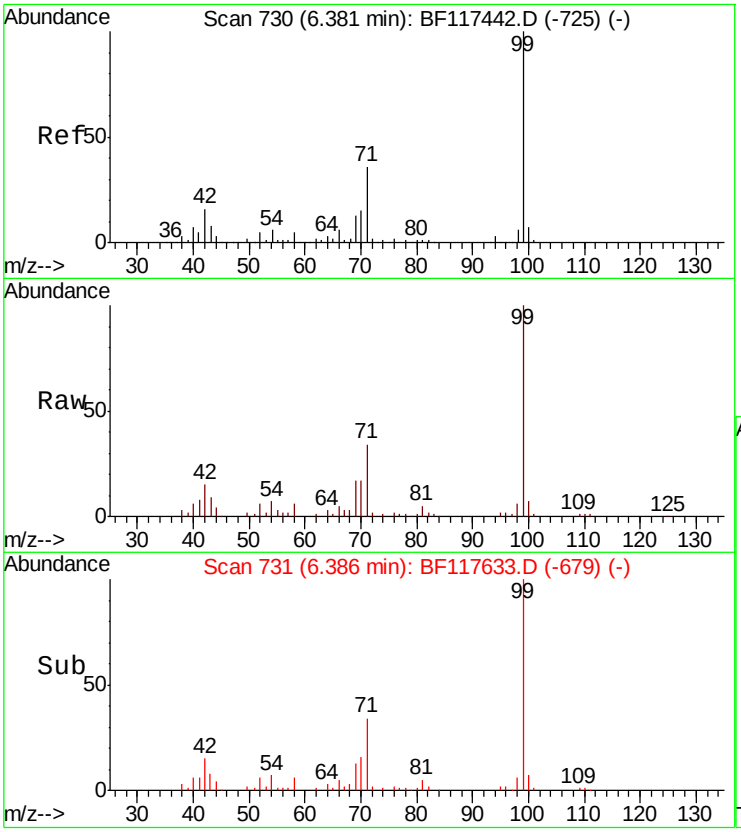


#5
2-Fluorophenol
Concen: 93.223 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:112 Resp: 108901

Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.1	66.1
63	28.7	23.4	35.2



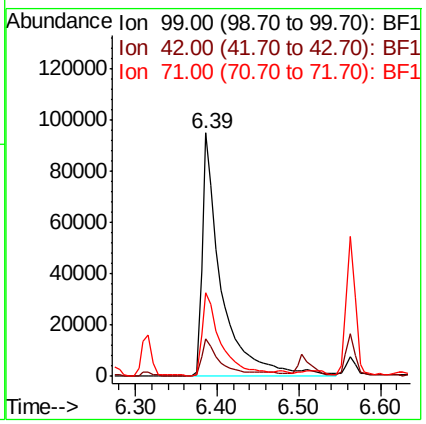


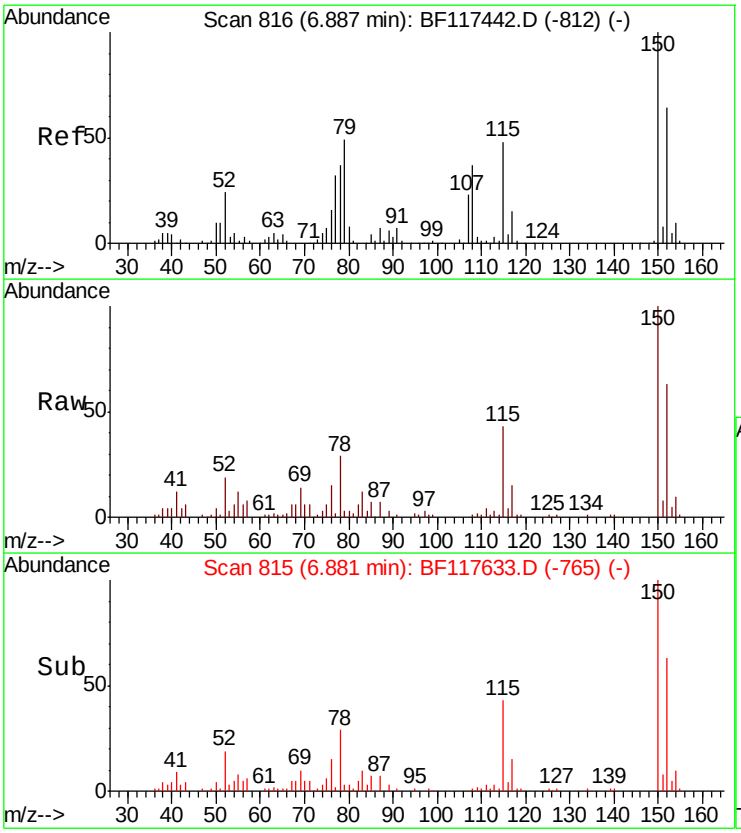
#7
Phenol-d6
Concen: 98.886 ng
RT: 6.39 min Scan# 731
Delta R.T. 0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 155152

Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.8	19.2
71	34.1	28.6	43.0

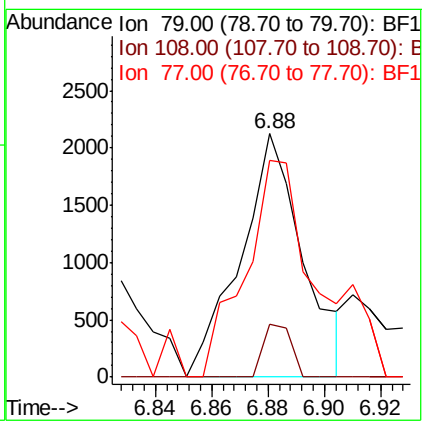


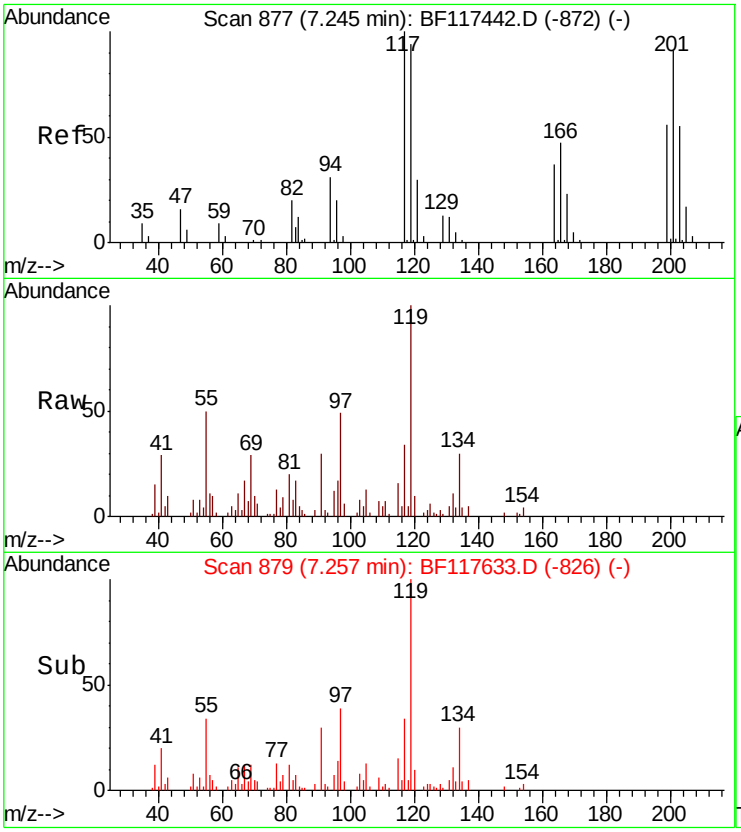


#15
Benzyl Alcohol
Concen: 2.913 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion: 79 Resp: 3265

Ion	Ratio	Lower	Upper
79	100		
108	21.6	59.8	89.8#
77	89.0	51.4	77.0#



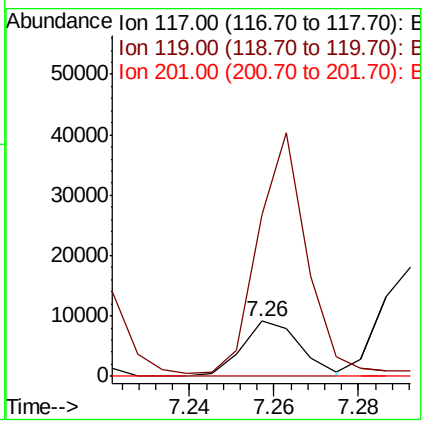


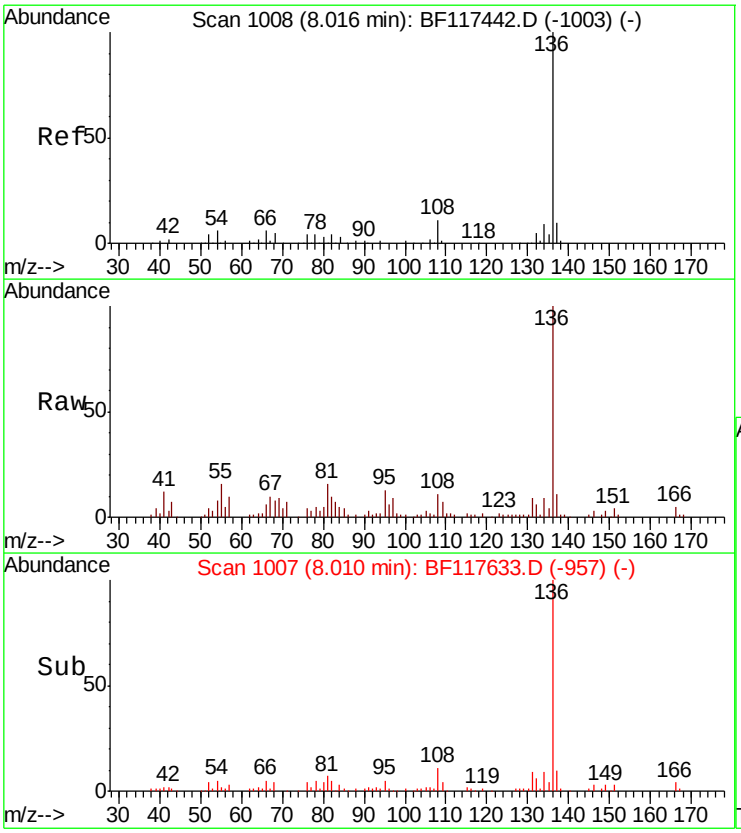
#18
Hexachloroethane
Concen: 16.056 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:117 Resp: 8745

Ion	Ratio	Lower	Upper
117	100		
119	295.9	75.4	113.0#
201	0.0	72.5	108.7#

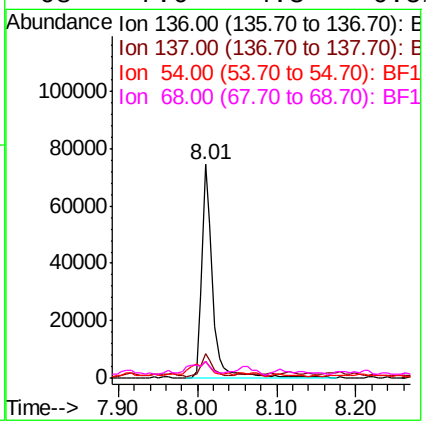


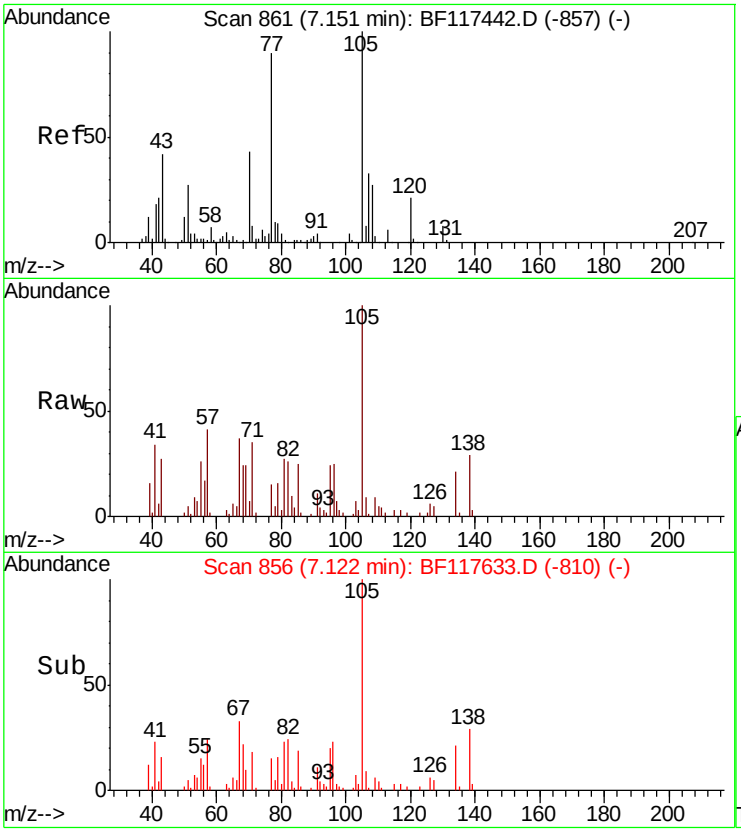


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:136 Resp: 73068

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.2	12.4
54	7.5	4.5	6.7#
68	7.6	4.3	6.5#



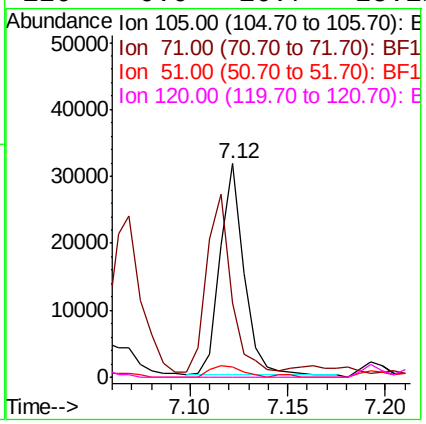


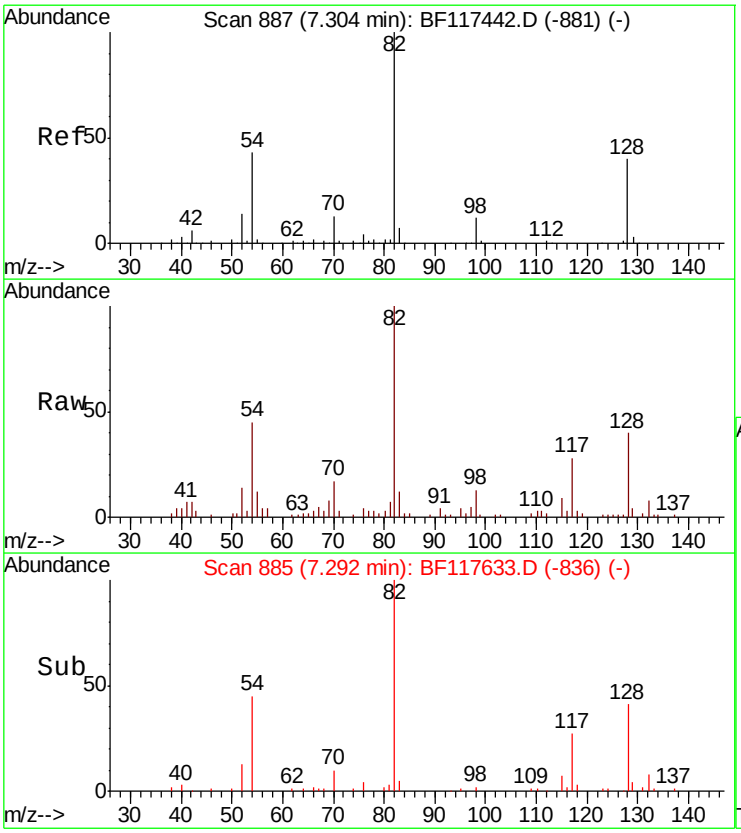
#22
Acetophenone
Concen: 13.865 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.03 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:105 Resp: 26901

Ion	Ratio	Lower	Upper
105	100		
71	34.5	6.2	9.2#
51	5.0	21.8	32.6#
120	0.0	16.7	25.1#

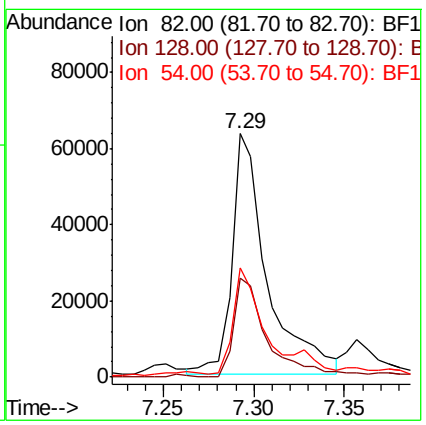


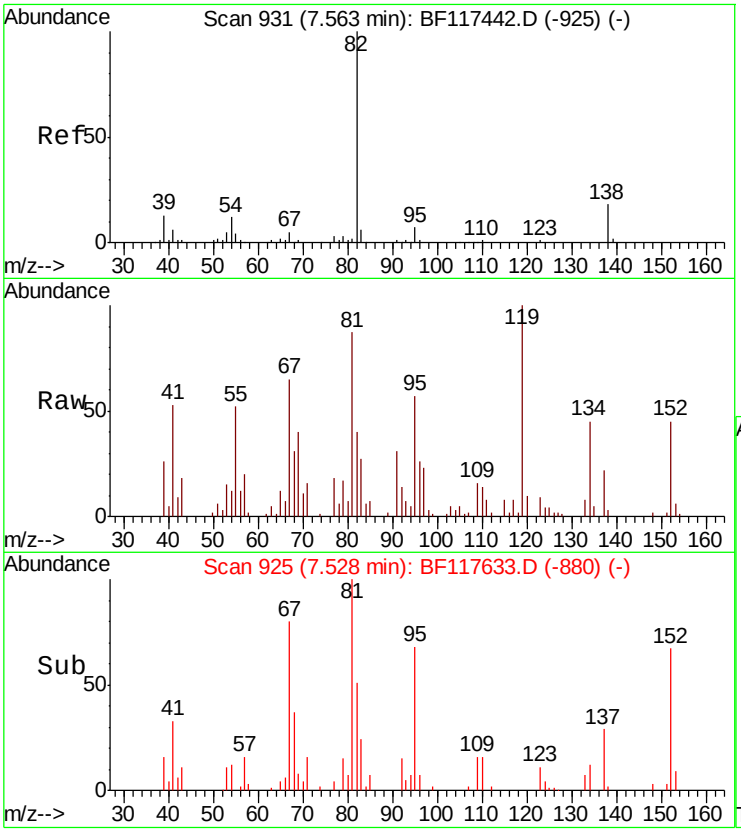


#23
Nitrobenzene-d5
Concen: 58.058 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion: 82 Resp: 85930

Ion	Ratio	Lower	Upper
82	100		
128	40.4	32.2	48.2
54	45.1	34.2	51.2



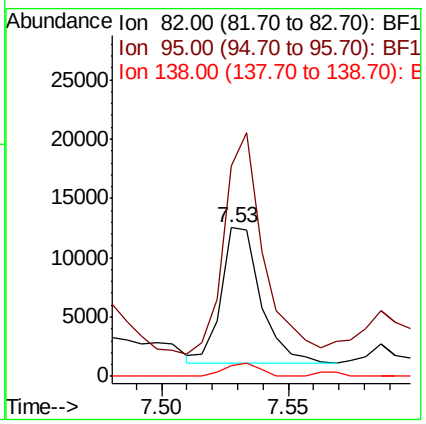


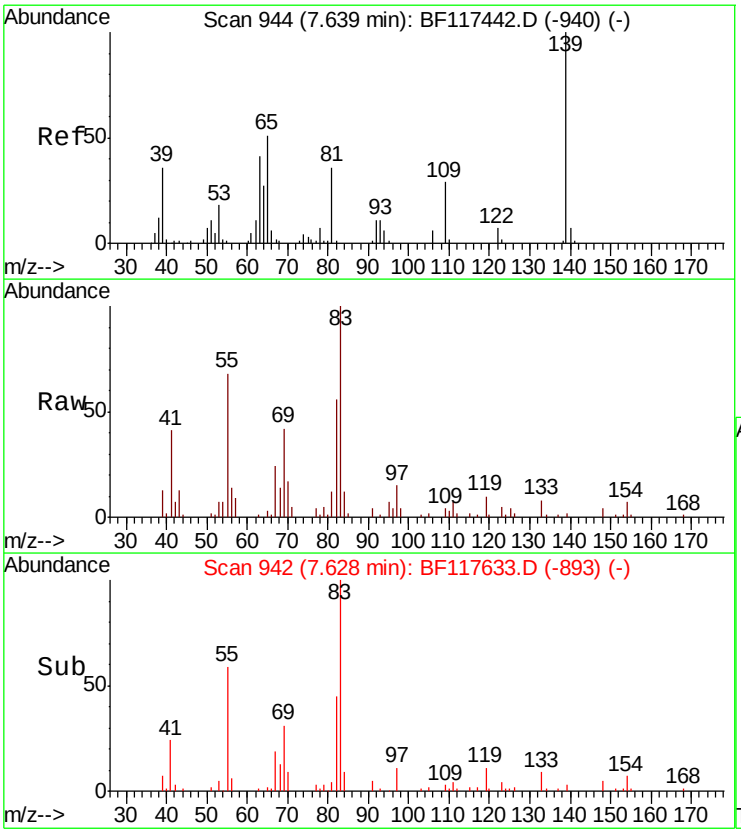
#25
Isophorone
Concen: 4.858 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.04 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 12439

Ion	Ratio	Lower	Upper
82	100		
95	141.8	5.4	8.0#
138	6.8	14.2	21.2#

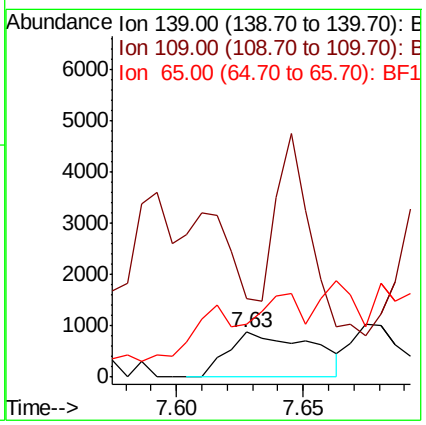


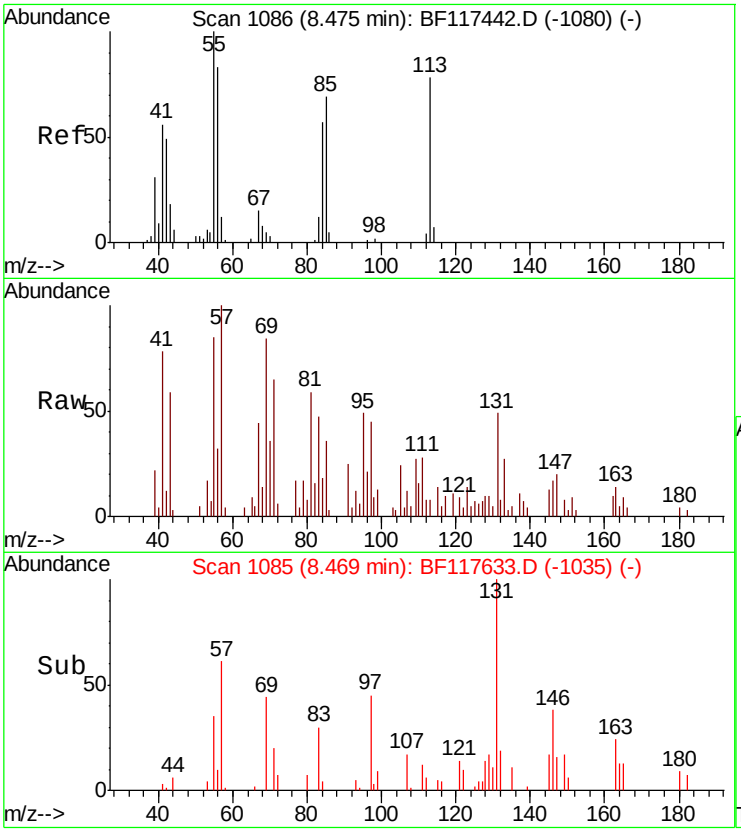


#26
2-Nitrophenol
Concen: 3.181 ng
RT: 7.63 min Scan# 942
Delta R.T. -0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:139 Resp: 2011

Ion	Ratio	Lower	Upper
139	100		
109	175.0	23.2	34.8#
65	117.2	41.1	61.7#



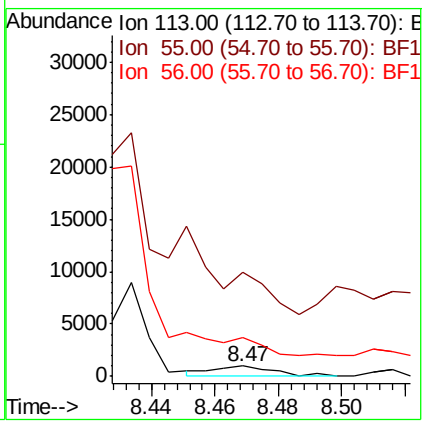


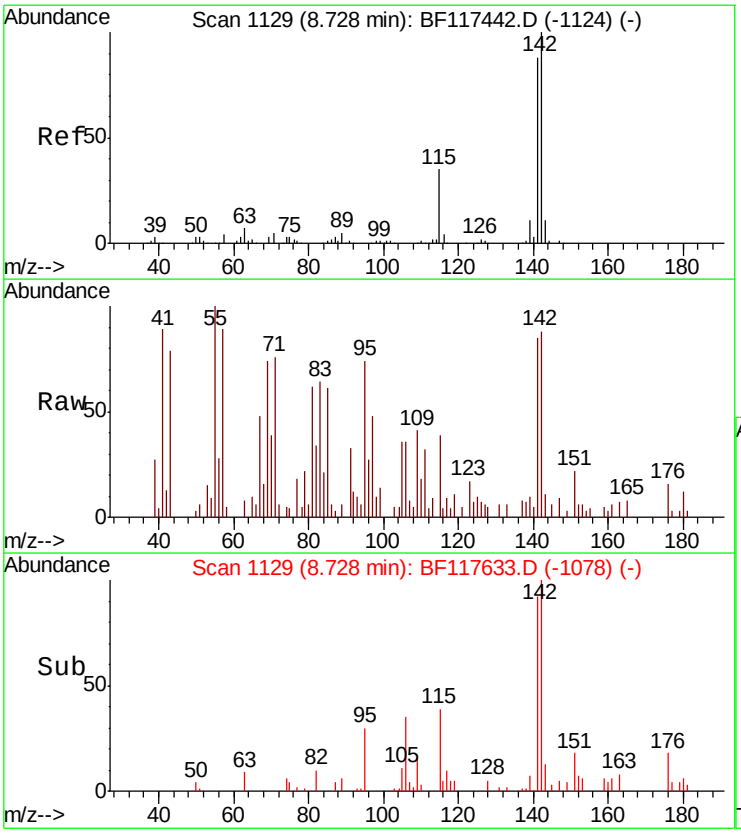
#35
Caprolactam
Concen: 4.212 ng
RT: 8.47 min Scan# 1085
Delta R.T. -0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:113 Resp: 1341

Ion	Ratio	Lower	Upper
113	100		
55	1006.6	108.8	148.8#
56	383.0	87.2	127.2#

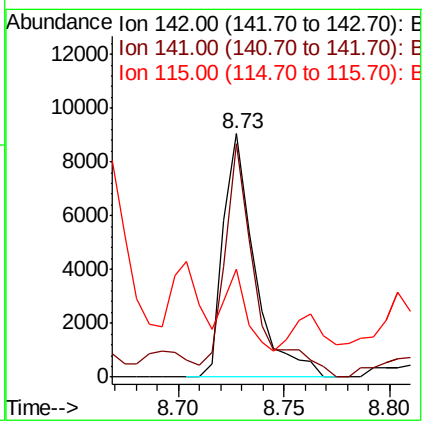


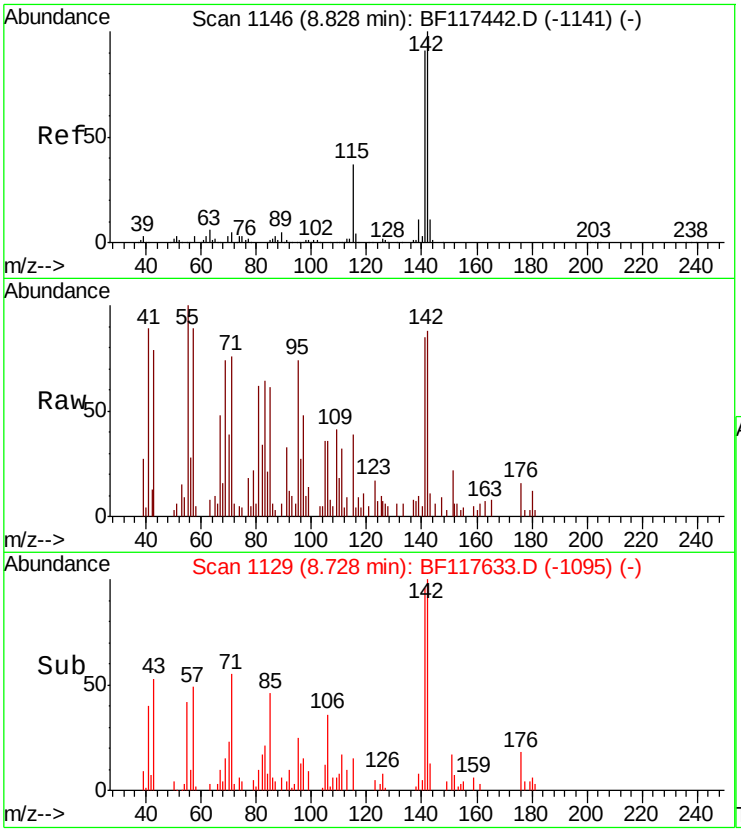


#37
2-Methylnaphthalene
Concen: 3.803 ng
RT: 8.73 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:142 Resp: 9280

Ion	Ratio	Lower	Upper
142	100		
141	95.9	70.3	105.5
115	44.5	28.2	42.2#



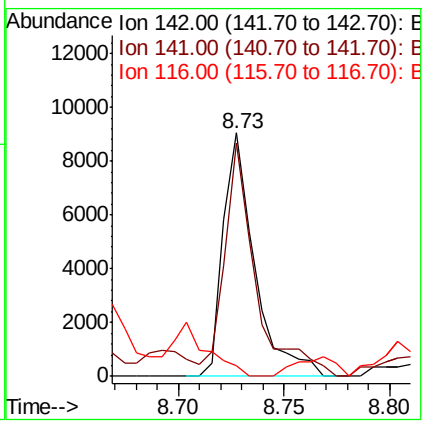


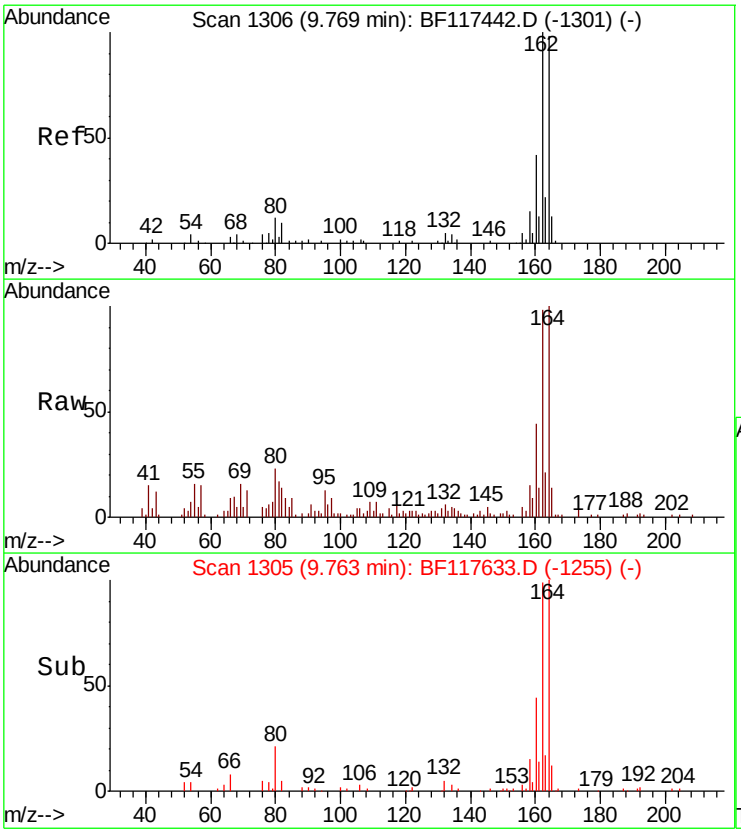
#38
1-Methylnaphthalene
Concen: 4.047 ng
RT: 8.73 min Scan# 1129
Delta R.T. -0.10 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 9280

Ion	Ratio	Lower	Upper
142	100		
141	95.9	73.3	109.9
116	4.5	3.1	4.7

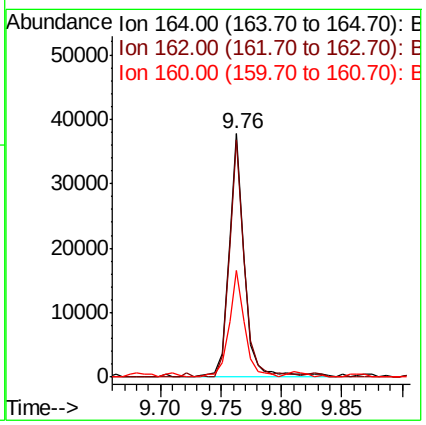


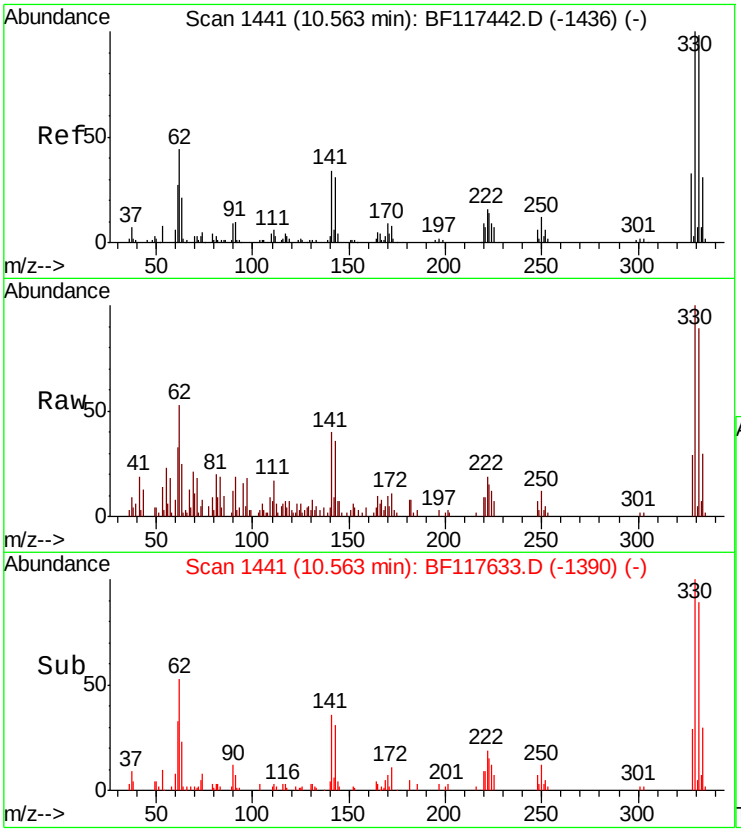


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:164 Resp: 33225

Ion	Ratio	Lower	Upper
164	100		
162	97.5	81.8	122.6
160	43.6	34.4	51.6



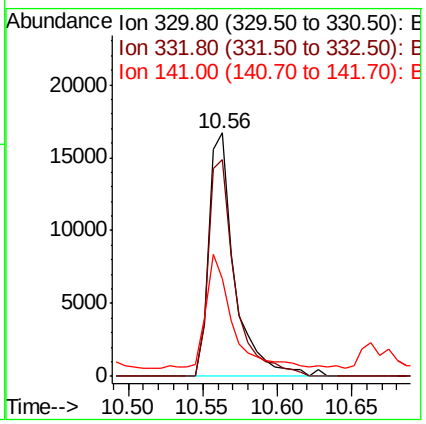


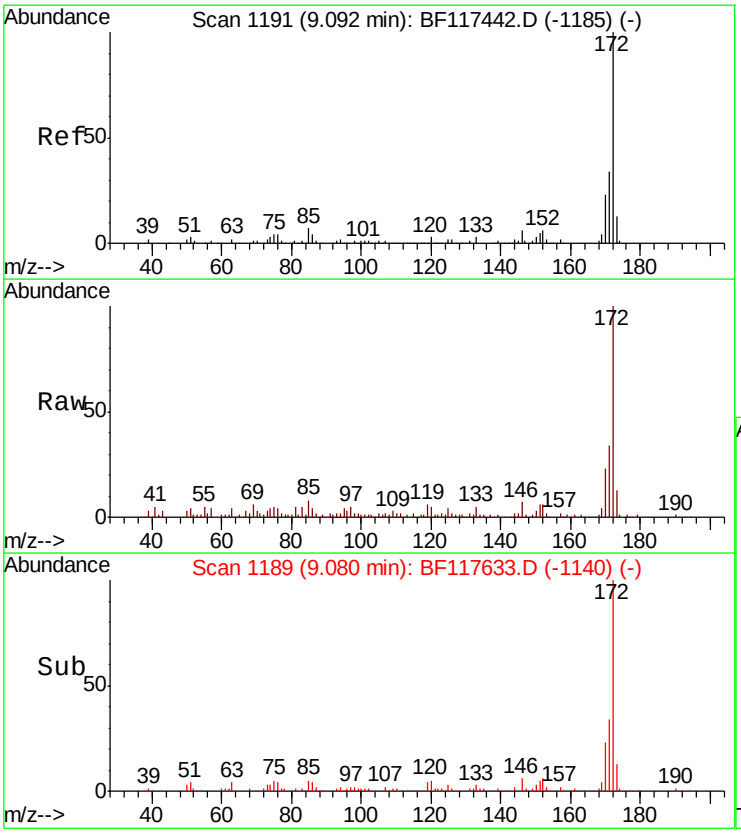
#42
2,4,6-Tribromophenol
Concen: 69.194 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 19892

Ion	Ratio	Lower	Upper
330	100		
332	92.7	78.5	117.7
141	47.1	37.0	55.6

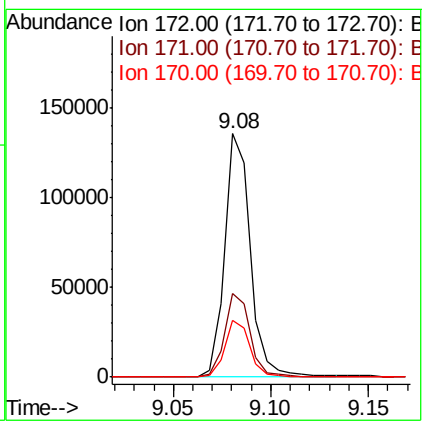


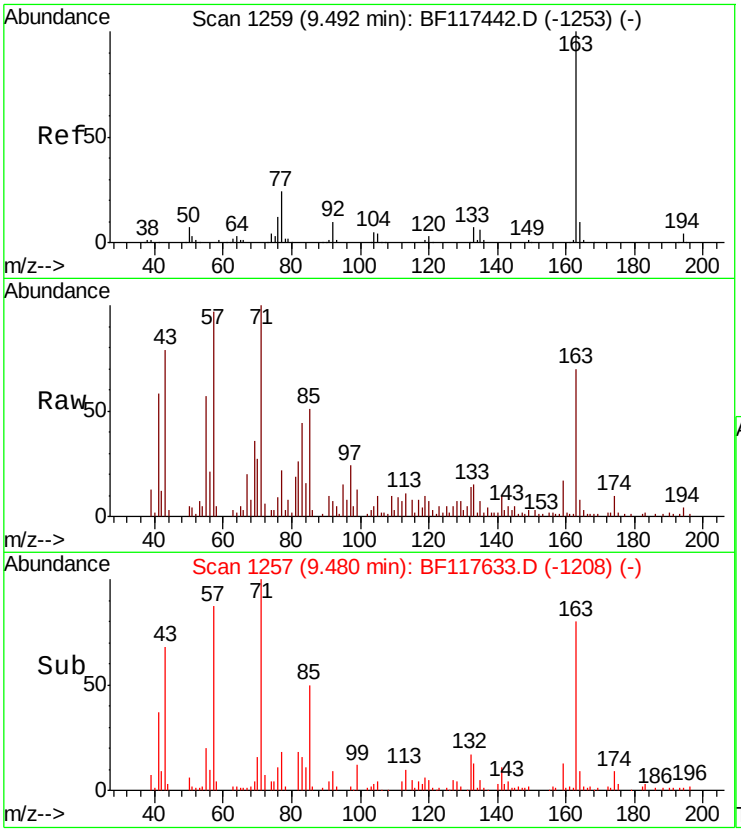


#45
2-Fluorobiphenyl
Concen: 52.361 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:172 Resp: 123470

Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.5	41.3
170	23.2	18.6	27.8



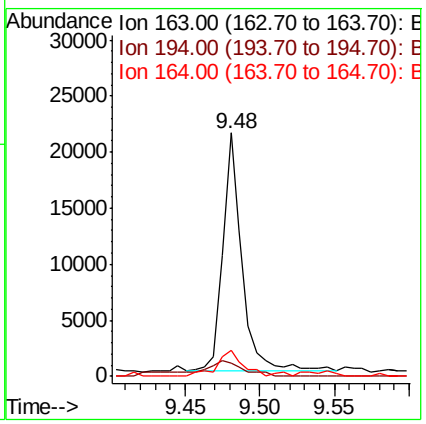


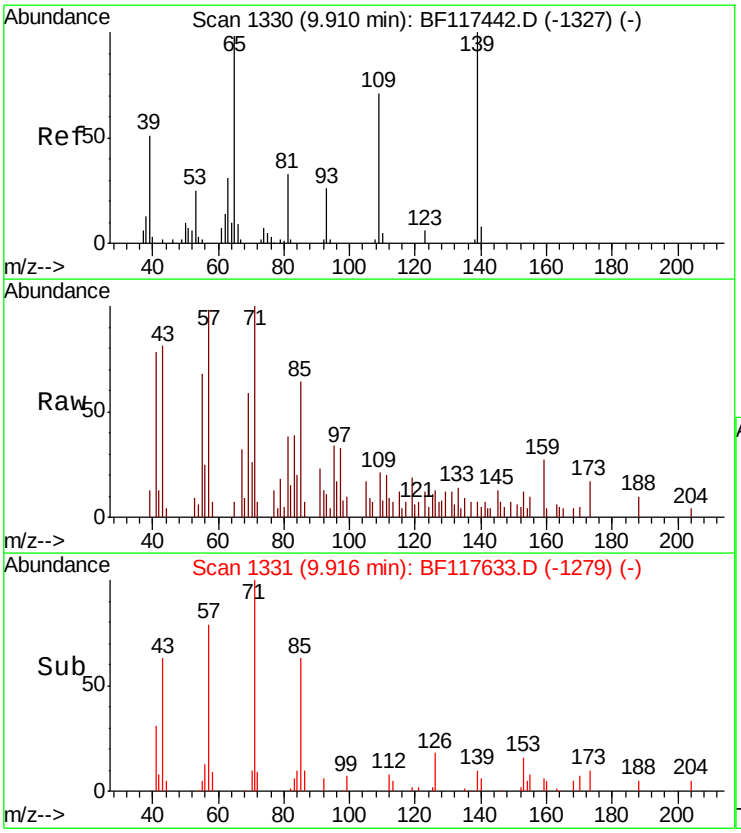
#50
Dimethylphthalate
Concen: 8.102 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 19190

Ion	Ratio	Lower	Upper
163	100		
194	5.4	2.9	4.3#
164	10.8	8.2	12.2

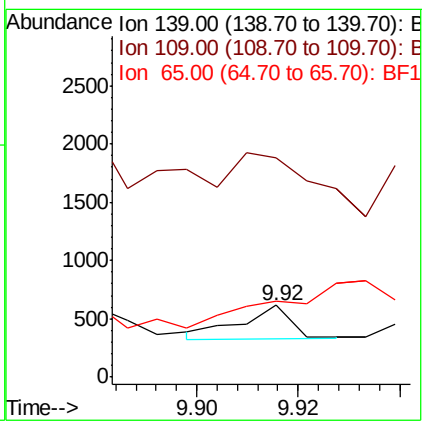


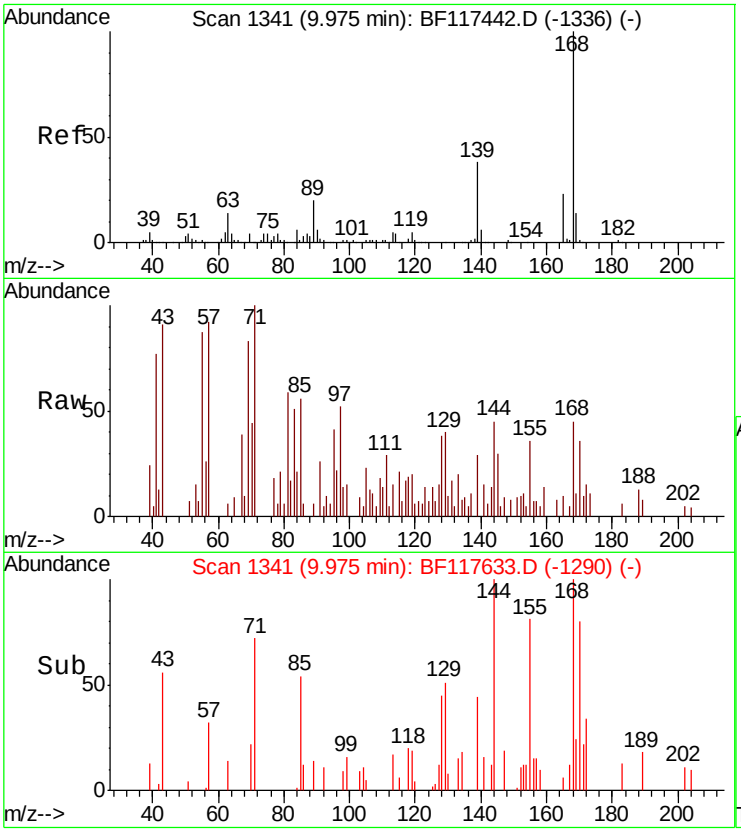


#56
4-Nitrophenol
Concen: 4.821 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:139 Resp: 201

Ion	Ratio	Lower	Upper
139	100		
109	305.4	51.4	91.4#
65	104.9	79.4	119.4



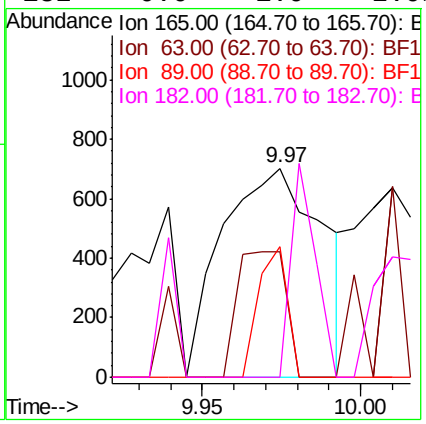


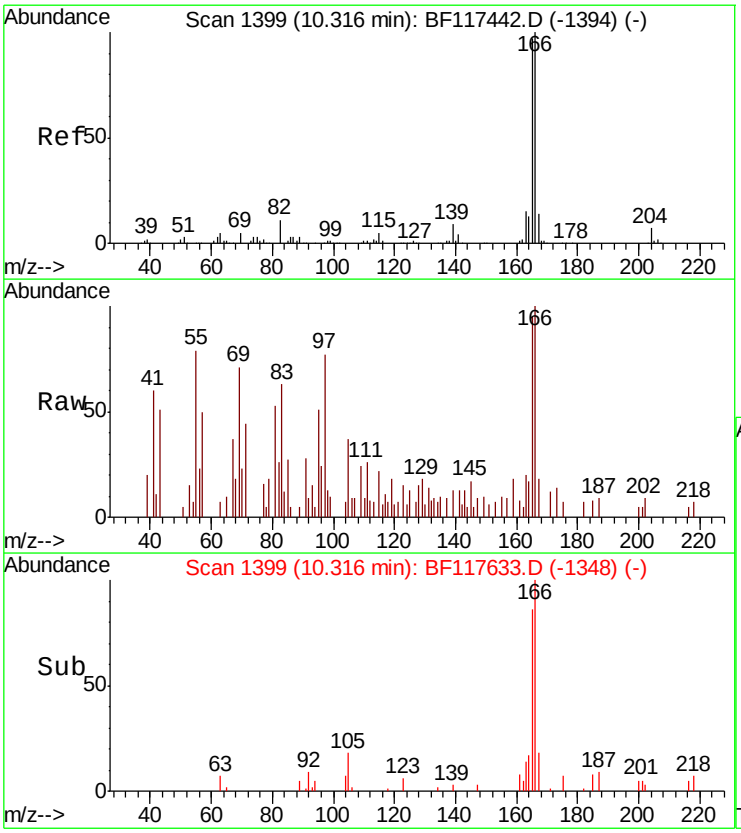
#57
2,4-Dinitrotoluene
Concen: 2.353 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 1546

Ion	Ratio	Lower	Upper
165	100		
63	60.0	51.4	77.0
89	62.5	69.9	104.9#
182	0.0	1.9	2.9#

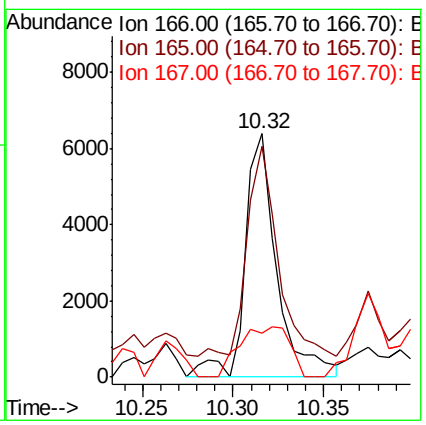


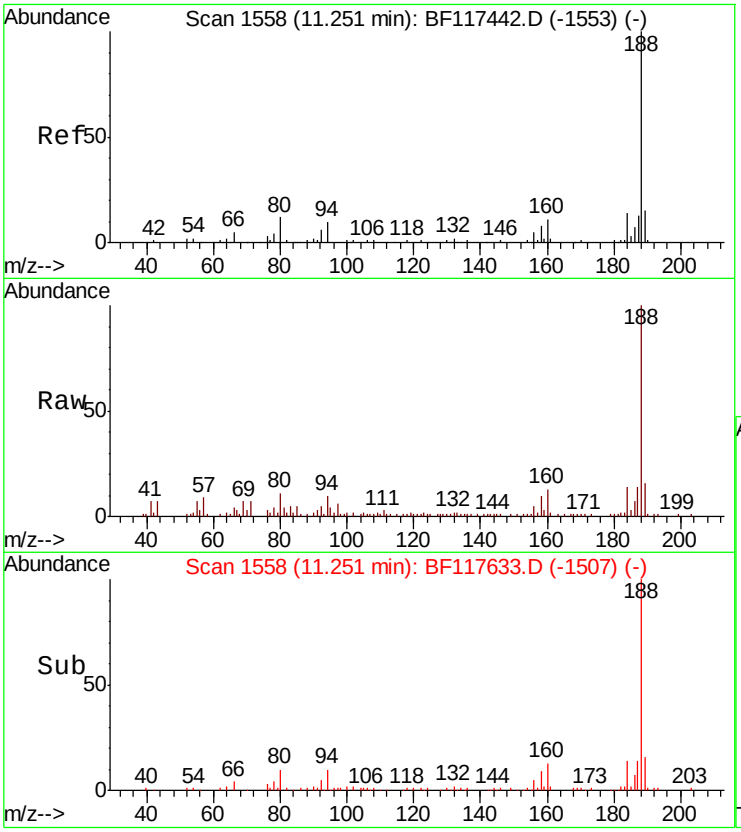


#58
Fluorene
Concen: 3.486 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:166 Resp: 7806

Ion	Ratio	Lower	Upper
166	100		
165	94.8	77.6	116.4
167	18.3	11.0	16.4#



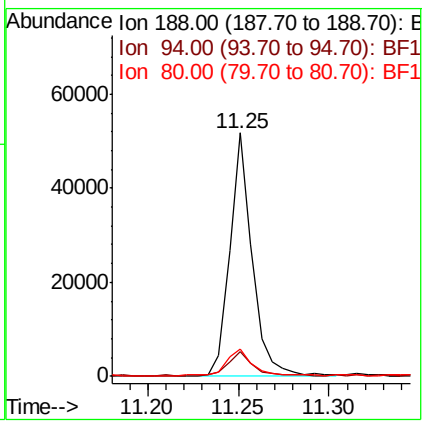


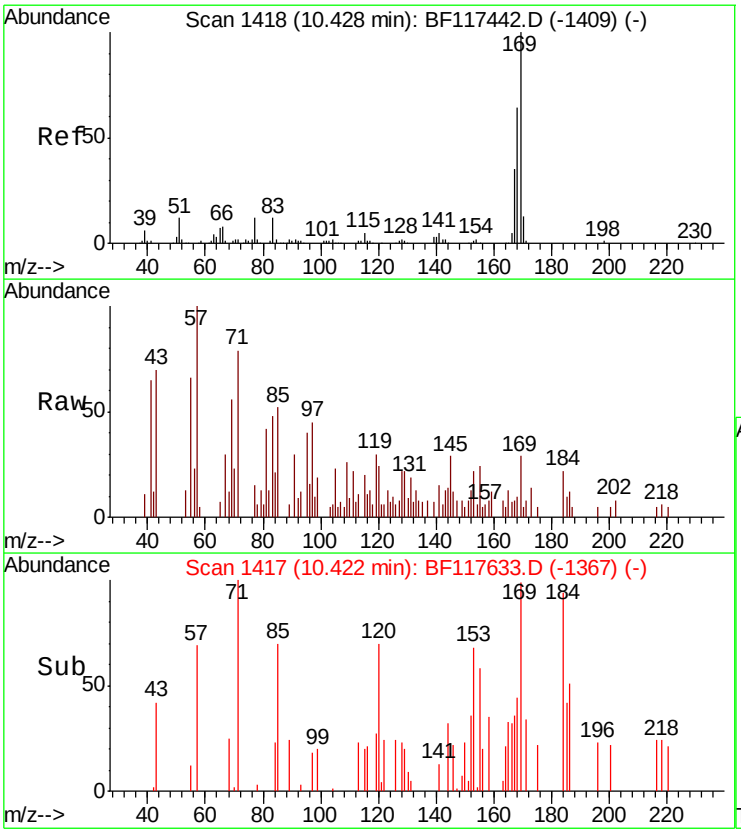
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 44659

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.0	12.0
80	11.1	9.5	14.3

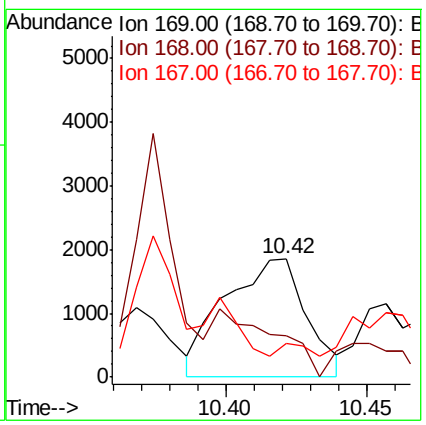


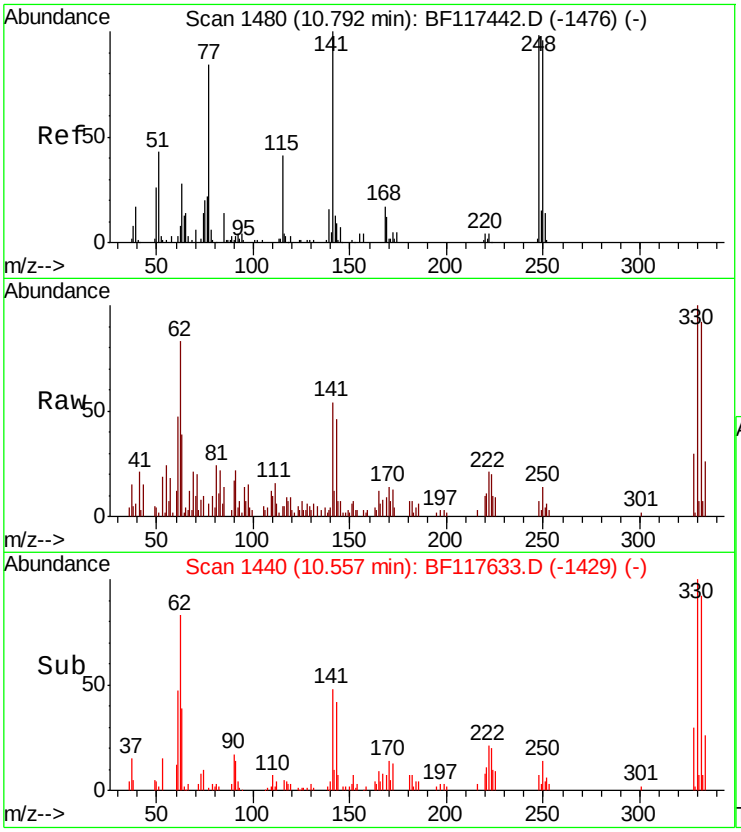


#66
n-Nitrosodiphenylamine
Concen: 2.296 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:169 Resp: 3748

Ion	Ratio	Lower	Upper
169	100		
168	34.8	51.3	76.9#
167	28.6	28.2	42.4



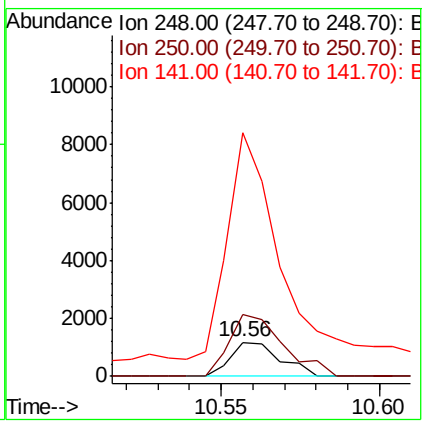


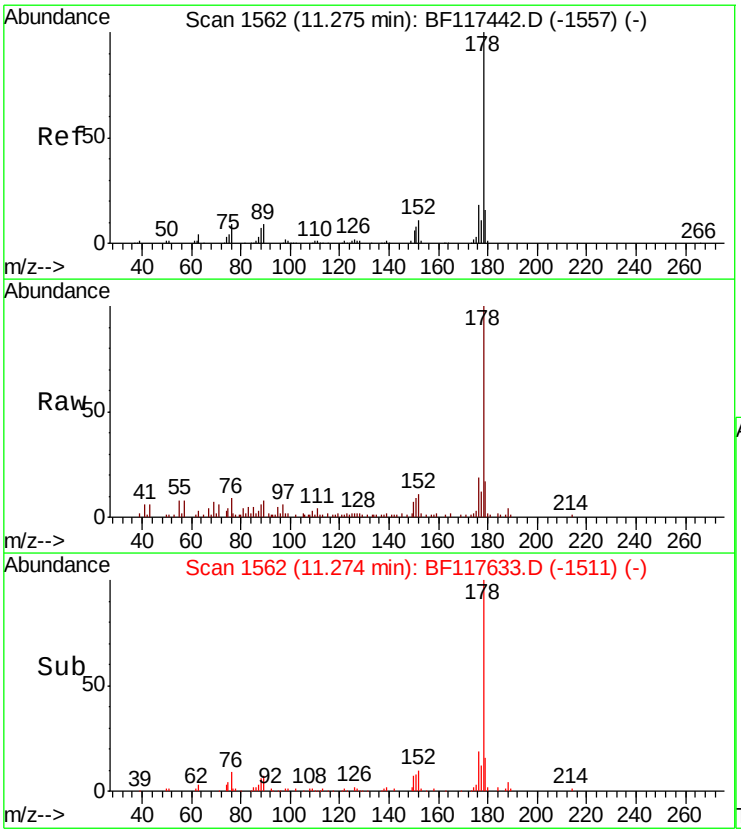
#67
4-Bromophenyl-phenylether
Concen: 2.636 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 1268

Ion	Ratio	Lower	Upper
248	100		
250	184.5	78.0	117.0#
141	722.6	81.7	122.5#

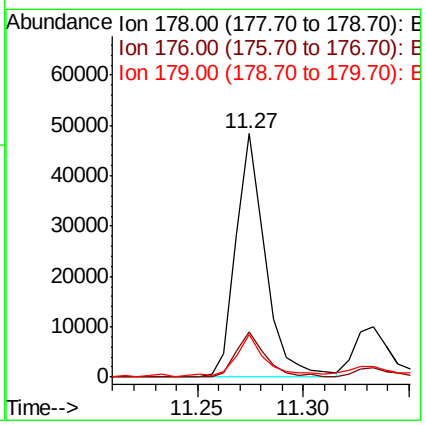


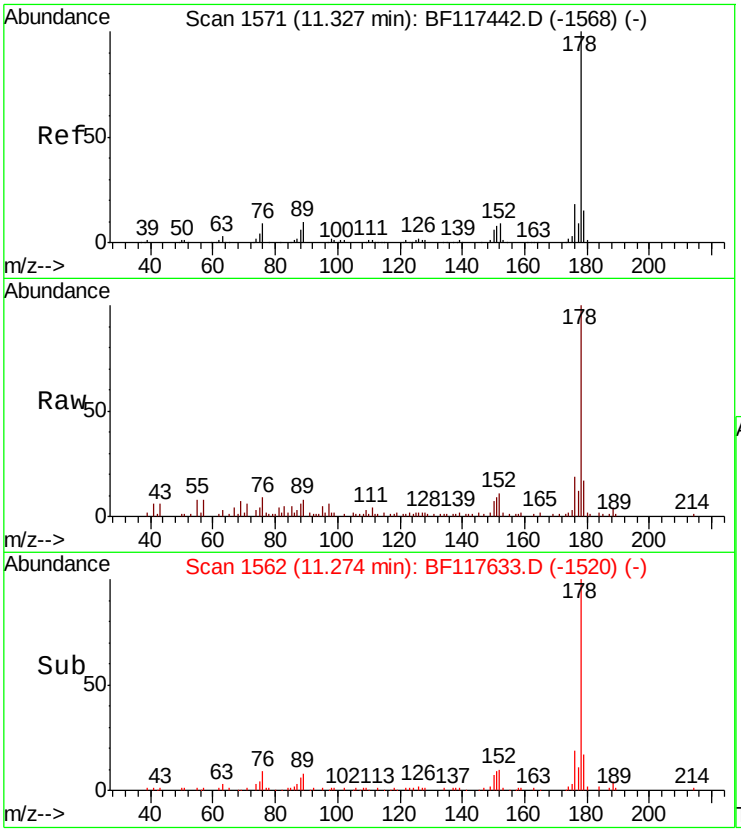


#71
Phenanthrene
Concen: 18.007 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:178 Resp: 46695

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	17.4	12.6	19.0



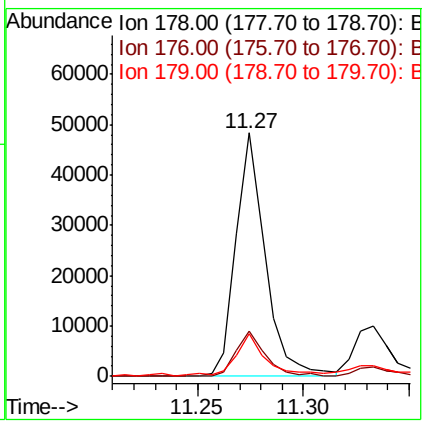


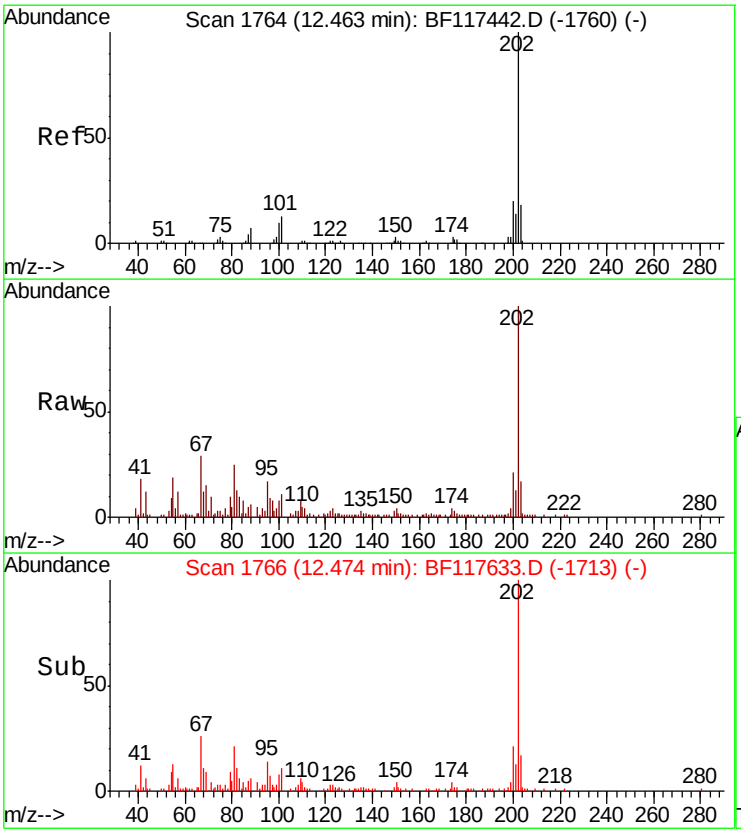
#72
Anthracene
Concen: 17.549 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.05 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 46695

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	17.4	12.2	18.2

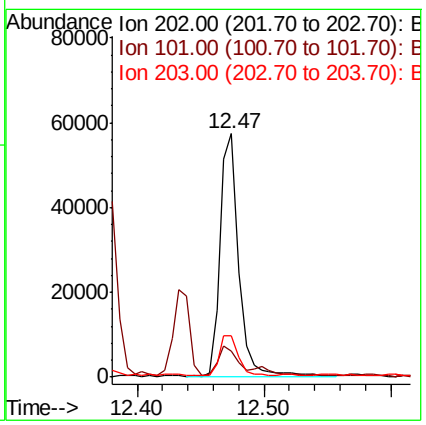


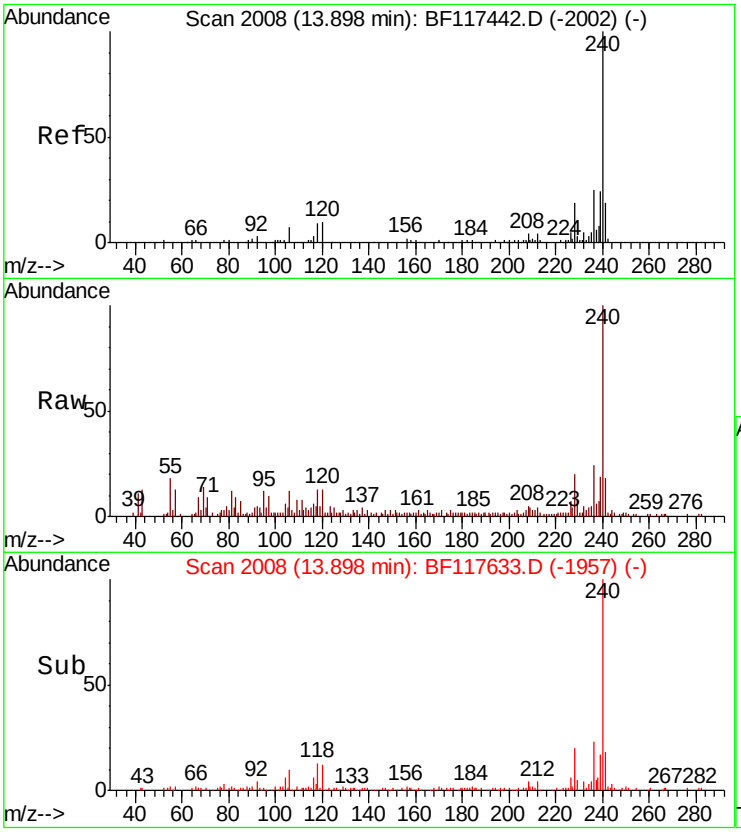


#75
Fluoranthene
Concen: 23.113 ng
RT: 12.47 min Scan# 1766
Delta R.T. 0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:202 Resp: 60001

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	32.7
203	16.8	0.0	37.6



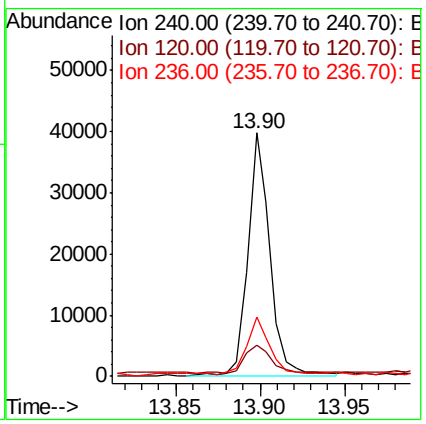


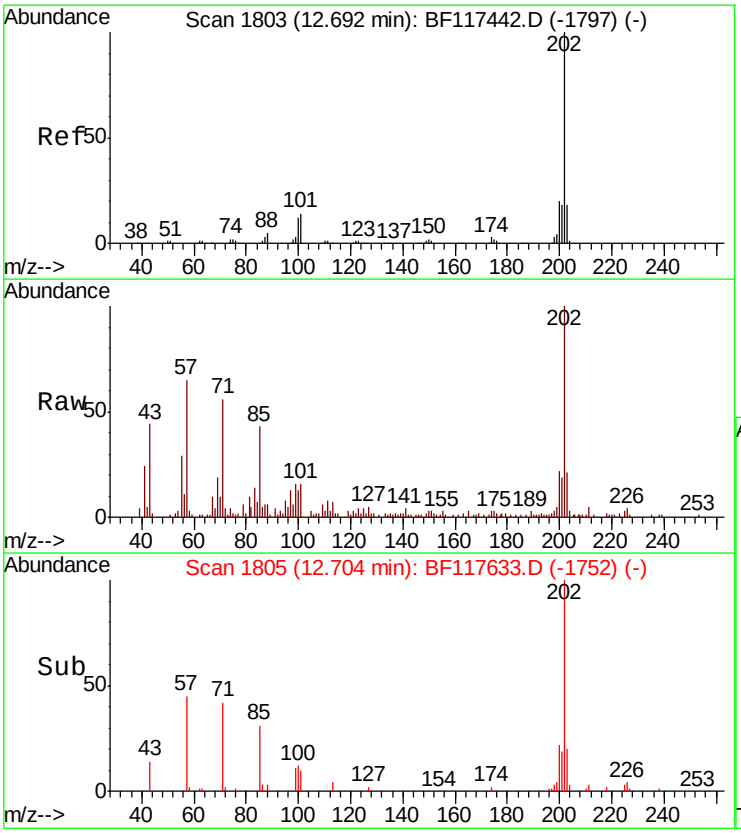
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 36622

Ion	Ratio	Lower	Upper
240	100		
120	13.0	8.4	12.6#
236	24.4	20.0	30.0

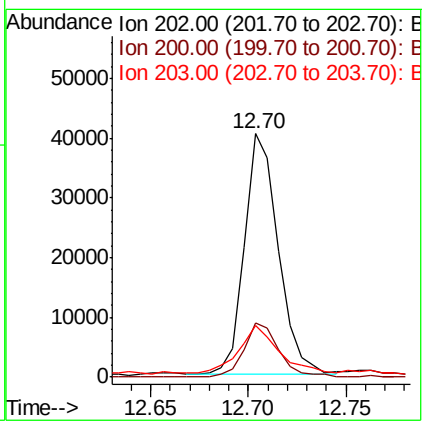


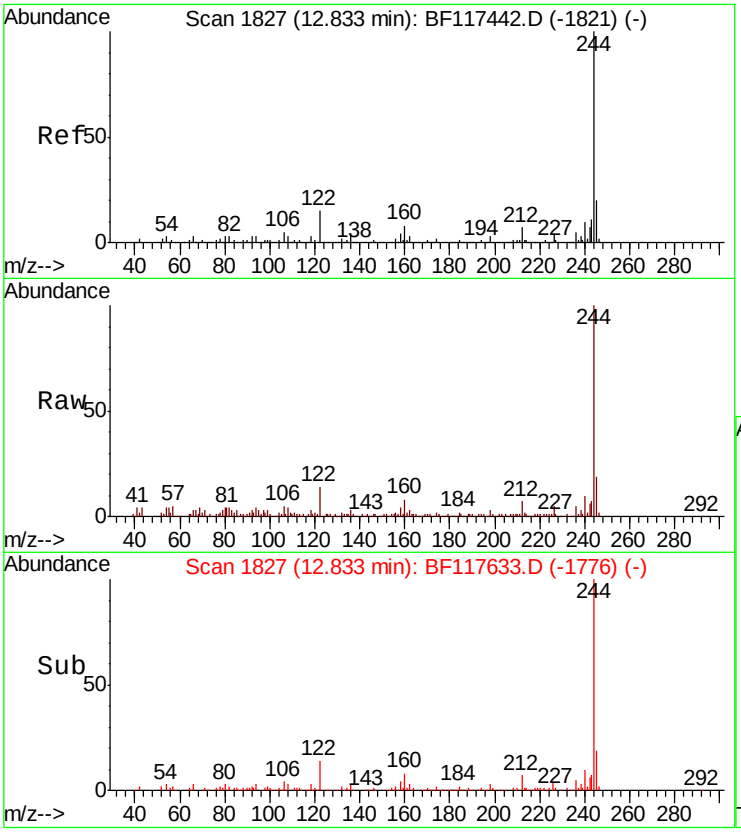


#78
Pyrene
Concen: 15.466 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:202 Resp: 48649

Ion	Ratio	Lower	Upper
202	100		
200	22.2	16.2	24.2
203	20.9	14.0	21.0



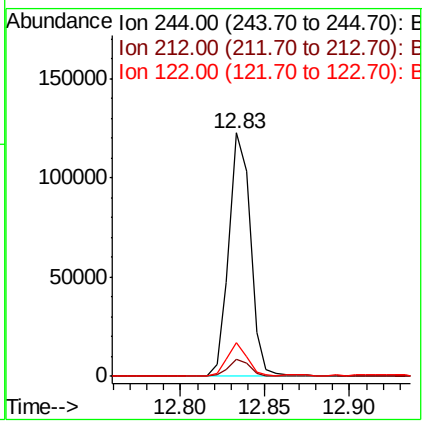


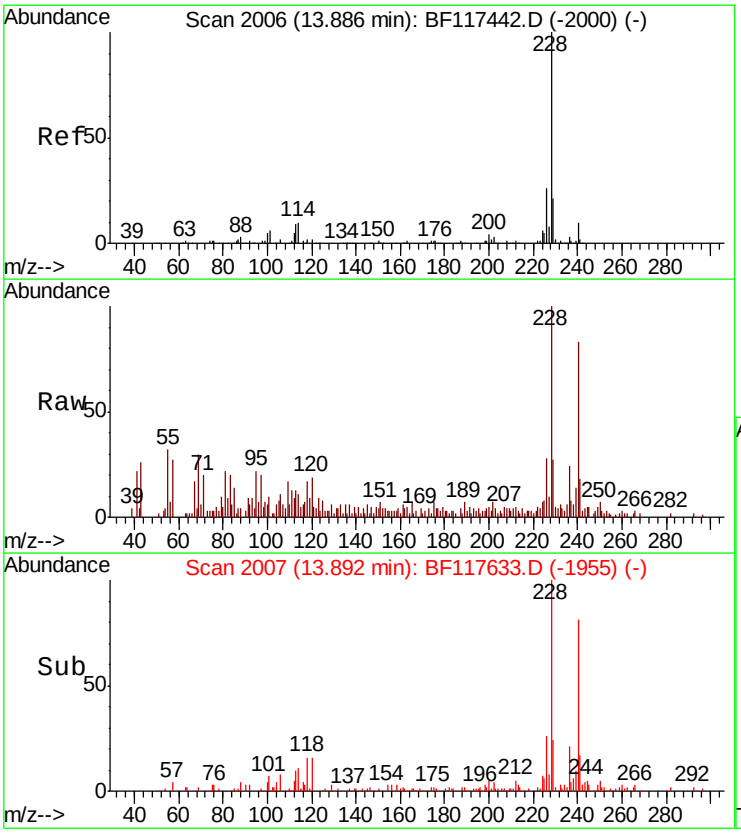
#79
Terphenyl-d14
Concen: 48.576 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 109064

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	13.9	11.8	17.8

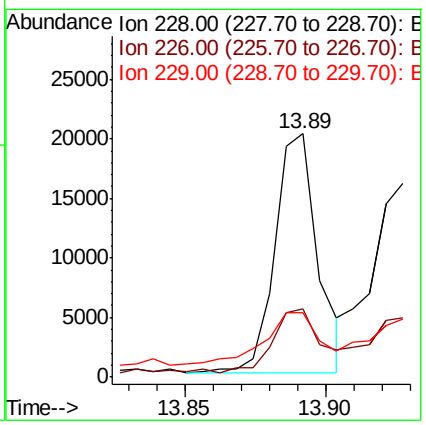


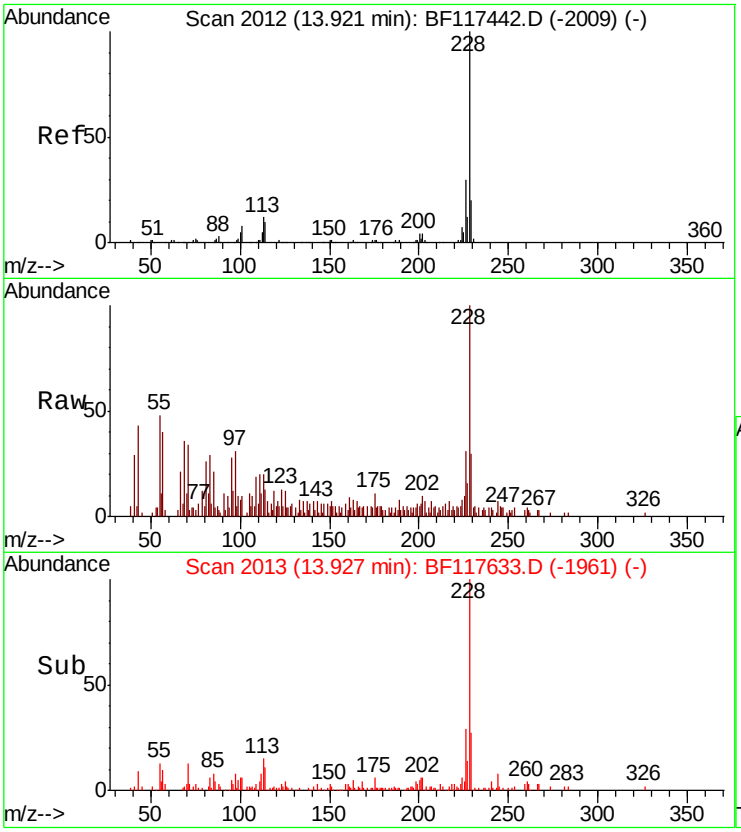


#81
Benzo(a)anthracene
Concen: 8.574 ng
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:228 Resp: 21181

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.0	31.4
229	26.5	16.4	24.6#



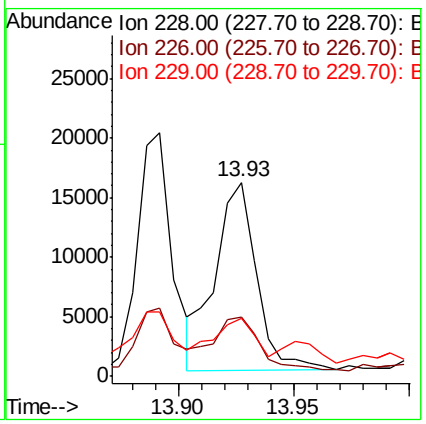


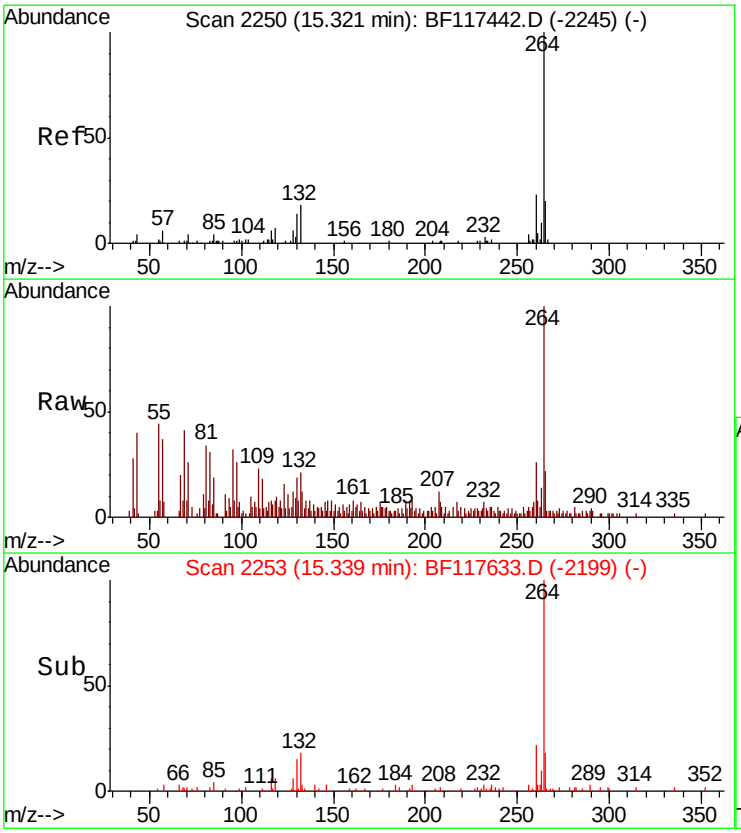
#83
Chrysene
Concen: 8.179 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 19801

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	29.9	15.8	23.6#

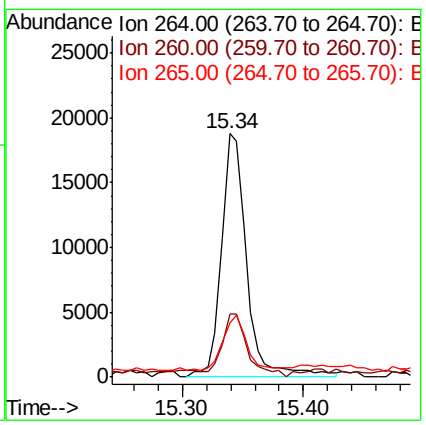


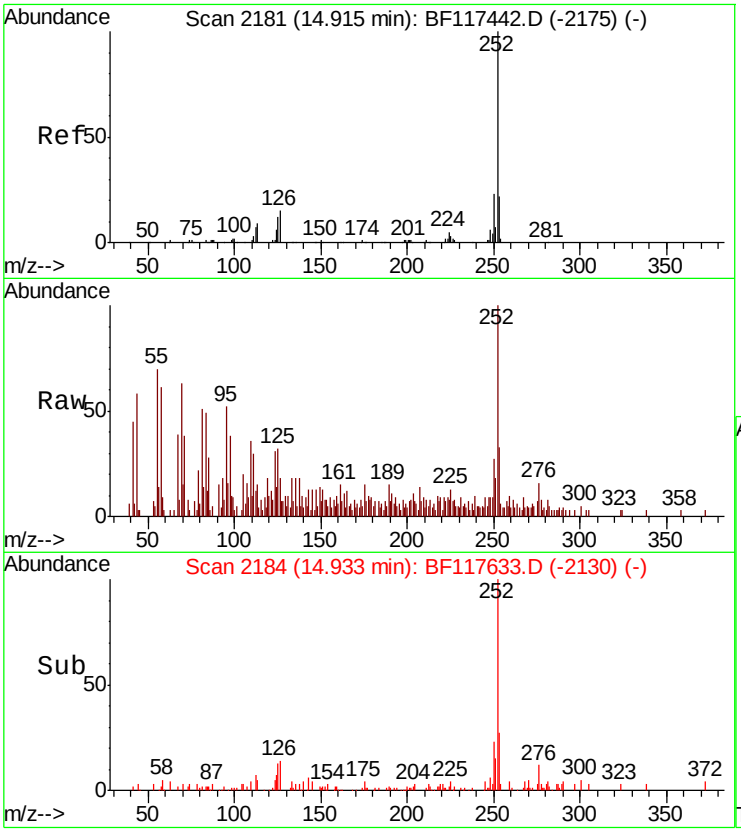


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:264 Resp: 27423

Ion	Ratio	Lower	Upper
264	100		
260	25.7	18.4	27.6
265	22.1	16.1	24.1



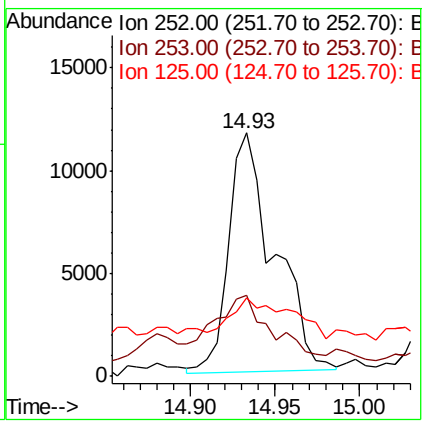


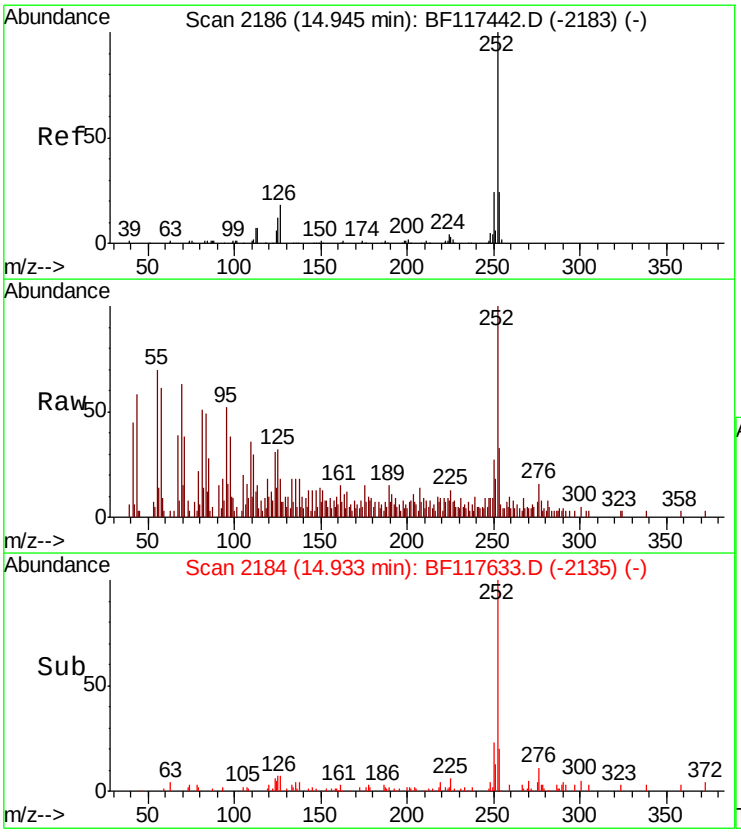
#88
Benzo(b)fluoranthene
Concen: 13.392 ng
RT: 14.93 min Scan# 2184
Delta R.T. 0.02 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 21687

Ion	Ratio	Lower	Upper
252	100		
253	33.1	17.8	26.6#
125	32.0	9.9	14.9#

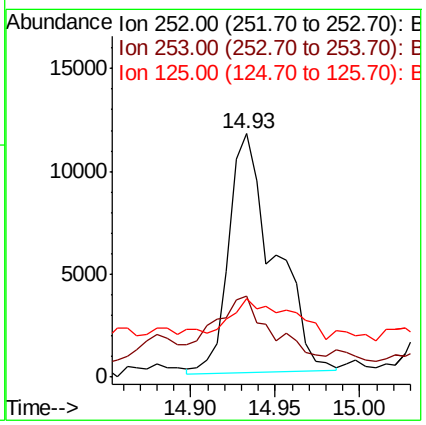


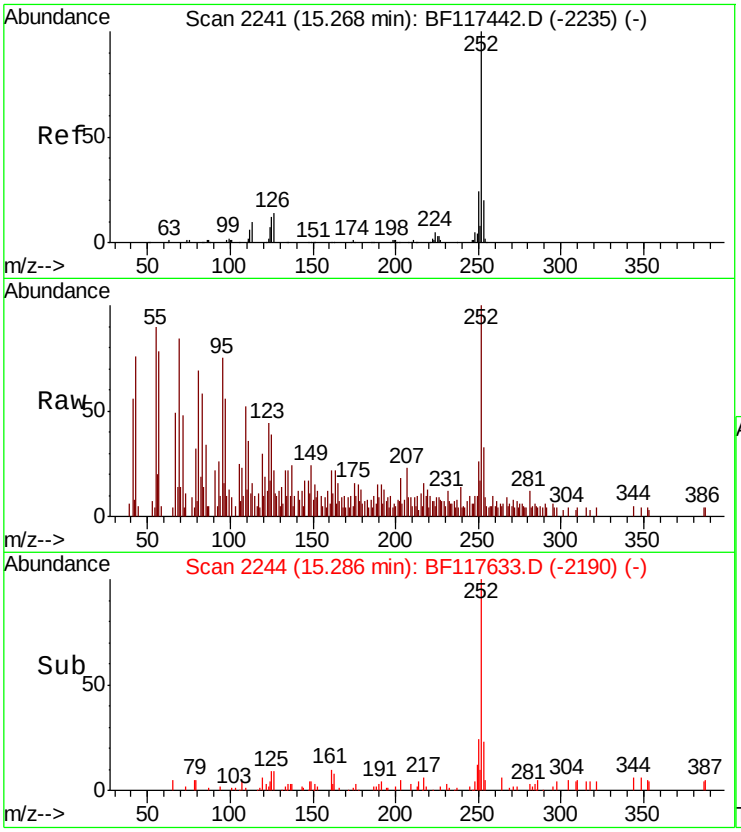


#89
Benzo(k)fluoranthene
Concen: 13.066 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:252 Resp: 21687

Ion	Ratio	Lower	Upper
252	100		
253	33.1	18.0	27.0#
125	32.0	8.9	13.3#



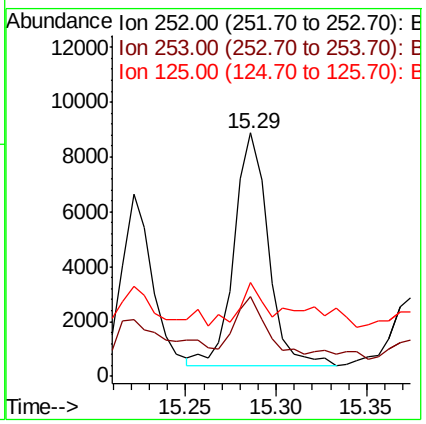


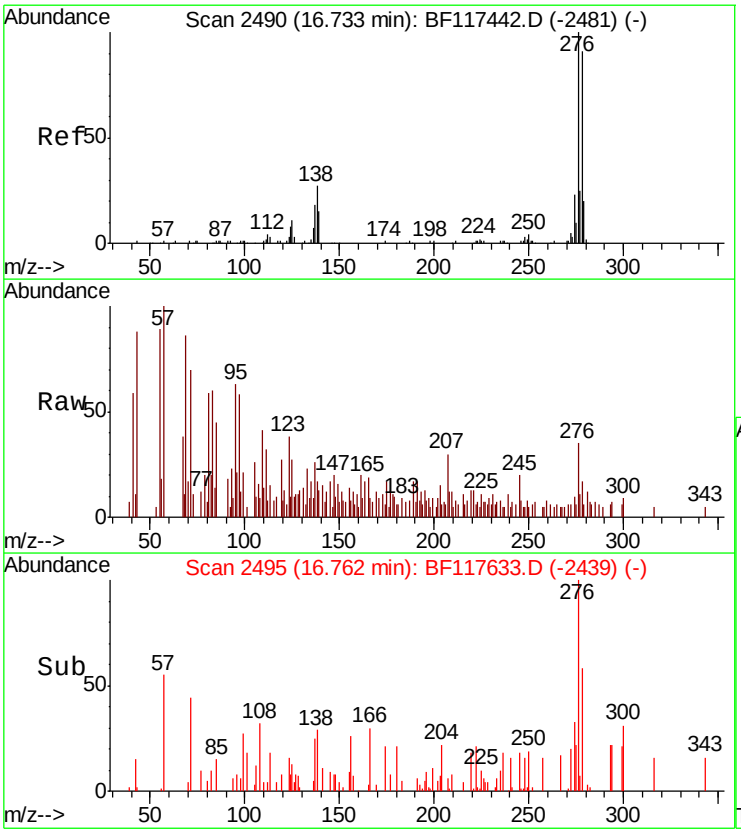
#90
Benzo(a)pyrene
Concen: 7.507 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.02 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 11053

Ion	Ratio	Lower	Upper
252	100		
253	32.6	16.3	24.5#
125	38.6	9.2	13.8#

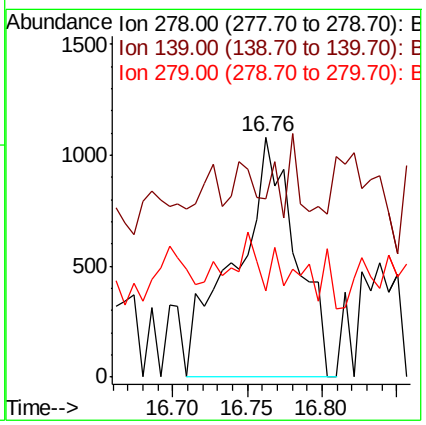


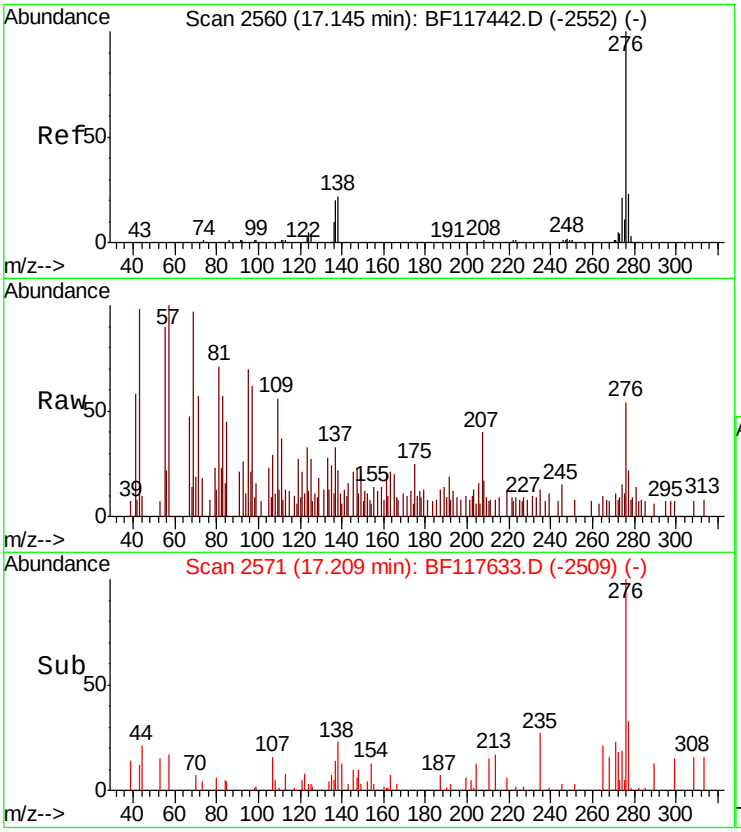


#91
Dibenzo(a,h)anthracene
Concen: 2.380 ng
RT: 16.76 min Scan# 2495
Delta R.T. 0.03 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Tgt Ion:278 Resp: 3030

Ion	Ratio	Lower	Upper
278	100		
139	74.3	13.4	20.0#
279	36.2	17.8	26.6#





#92
Benzo(g,h,i)perylene
Concen: 5.403 ng
RT: 17.21 min Scan# 2571
Delta R.T. 0.06 min
Lab File: BF117633.D
Acq: 30 Oct 2019 19:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 6508

Ion	Ratio	Lower	Upper
276	100		
277	41.5	18.4	27.6#
138	41.6	17.8	26.6#