Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117068.D
Acq On : 16 Sep 2019 17:31
Operator : HP/JU
Sample : K4850-02DL 20X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Sep 17 05:14:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 13 16:23:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	53659	20.00	ng		0.00
21) Naphthalene-d8	8.10	136	237156	20.00	ng		0.00
39) Acenaphthene-d10	9.85	164	115248	20.00	ng		0.00
64) Phenanthrene-d10	11.33	188	161541	20.00	ng		0.00
76) Chrysene-d12	13.97	240	113519	20.00	ng		0.00
87) Perylene-d12	15.42	264	122213	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	12302	3.58	ng		0.01
7) Phenol-d6	6.47	99	19823	4.46	ng		0.01
23) Nitrobenzene-d5	7.39	82	10796	2.39	ng		0.00
42) 2,4,6-Tribromophenol	10.64	330	3761	3.90	ng		0.00
45) 2-Fluorobiphenyl	9.17	172	25229	3.42	ng		0.00
79) Terphenyl-d14	12.91	244	19782	3.26	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.52	77	109	Below Cal		#	1
31) Naphthalene	8.13	128	55671	4.881	ng		99
37) 2-Methylnaphthalene	8.82	142	18391	2.394	ng		94
38) 1-Methylnaphthalene	8.91	142	41013	5.701	ng		97
49) Acenaphthylene	9.72	152	69828	6.533	ng		96
51) 2,6-Dinitrotoluene	9.85	165	16861	10.145	ng	#	27
52) Acenaphthene	9.88	154	20390	3.218	ng		98
54) 2,4-Dinitrophenol	9.82	184	111	9.303	ng	#	11
58) Fluorene	10.40	166	31316	4.159	ng		95
65) 4,6-Dinitro-2-methylphenol	10.72	198	410	7.379	ng	#	11
71) Phenanthrene	11.36	178	110905	12.087	ng		99
72) Anthracene	11.41	178	45386	4.845	ng		97
75) Fluoranthene	12.54	202	229941	24.390	ng		98
78) Pyrene	12.77	202	435350	45.706	ng		99
81) Benzo(a)anthracene	13.99	228	165042	21.761	ng		96
83) Chrysene	13.99	228	165042	22.311	ng		99
88) Benzo(b)fluoranthene	15.00	252	148291	20.032	ng	#	96
89) Benzo(k)fluoranthene	15.00	252	148291	21.146	ng		96
90) Benzo(a)pyrene	15.36	252	106408	16.380	ng		97
91) Dibenzo(a,h)anthracene	16.85	278	12229	2.363	ng		93
92) Benzo(g,h,i)perylene	17.28	276	36810	7.138	ng		96

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

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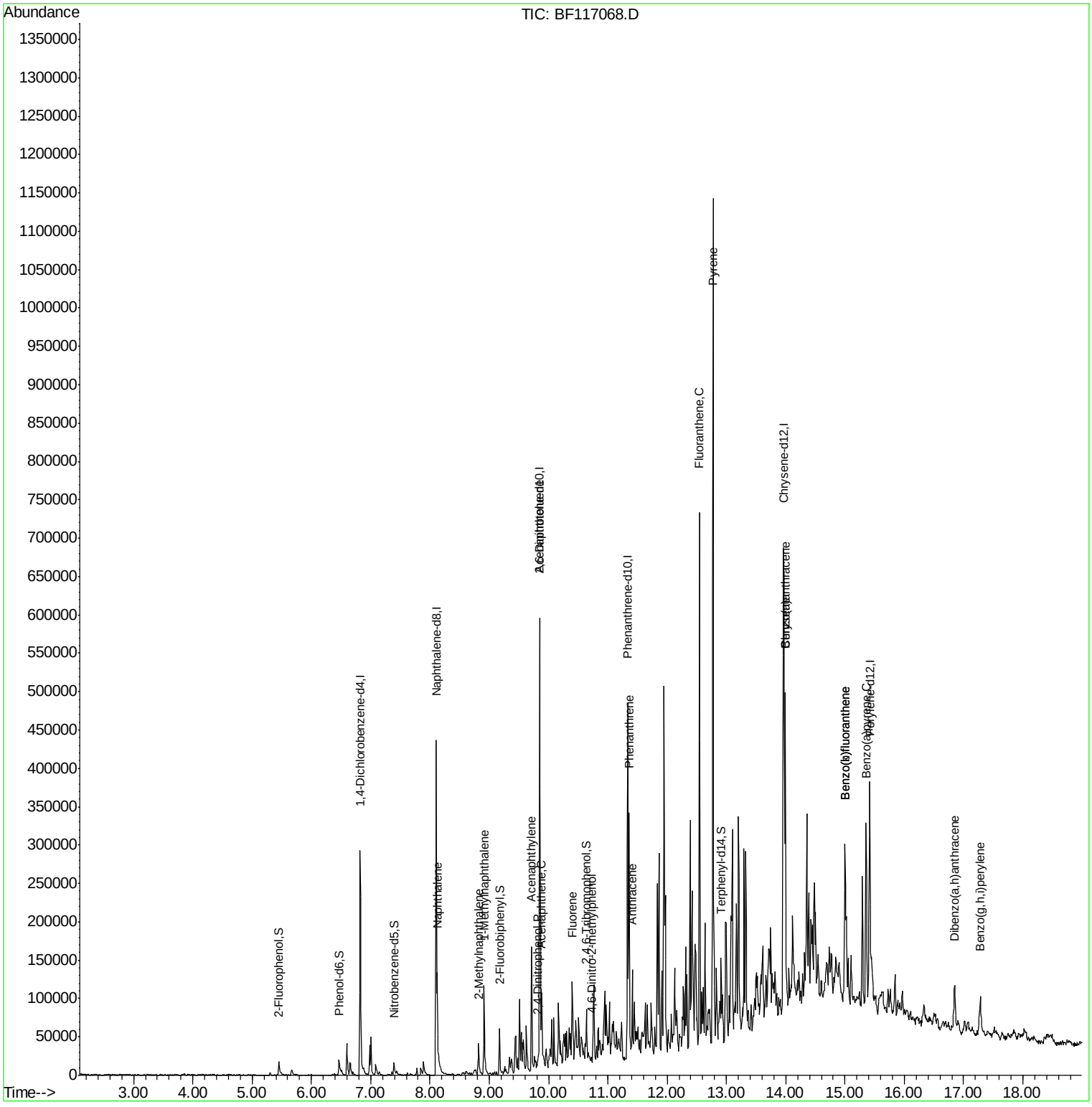
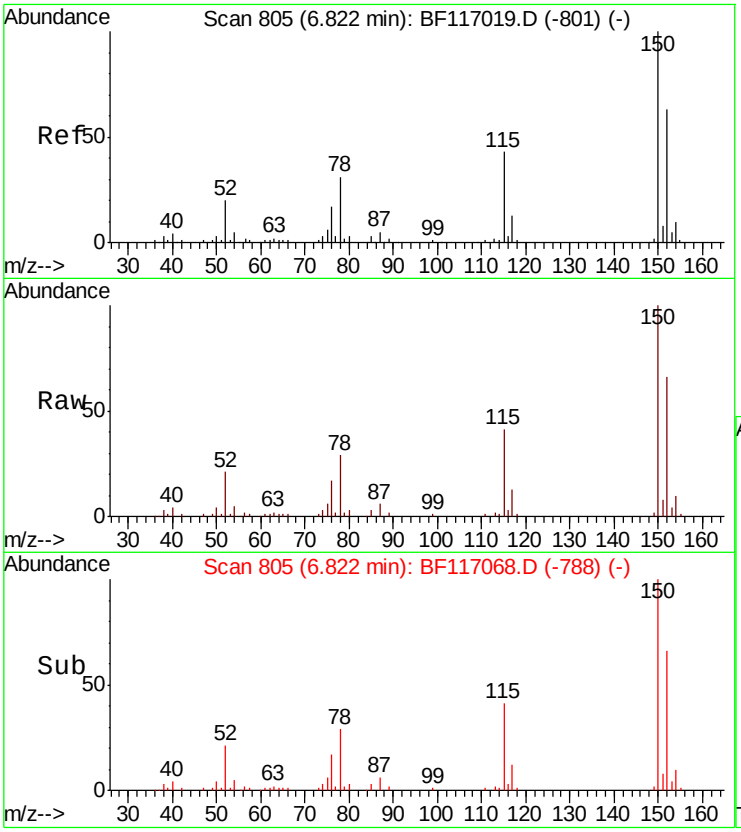


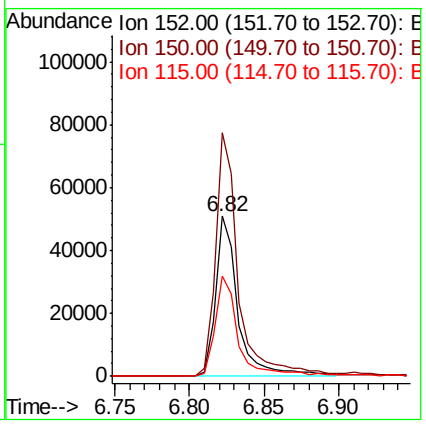


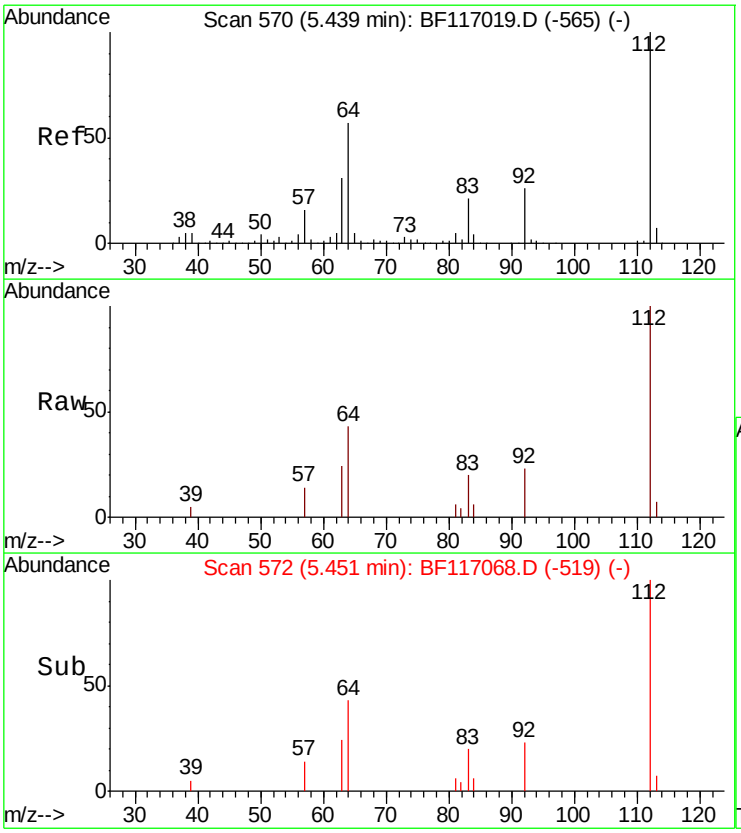
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 53659

Ion	Ratio	Lower	Upper
152	100		
150	152.0	127.5	191.3
115	62.2	55.0	82.4

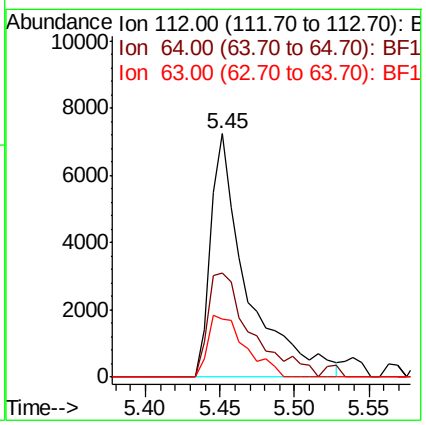


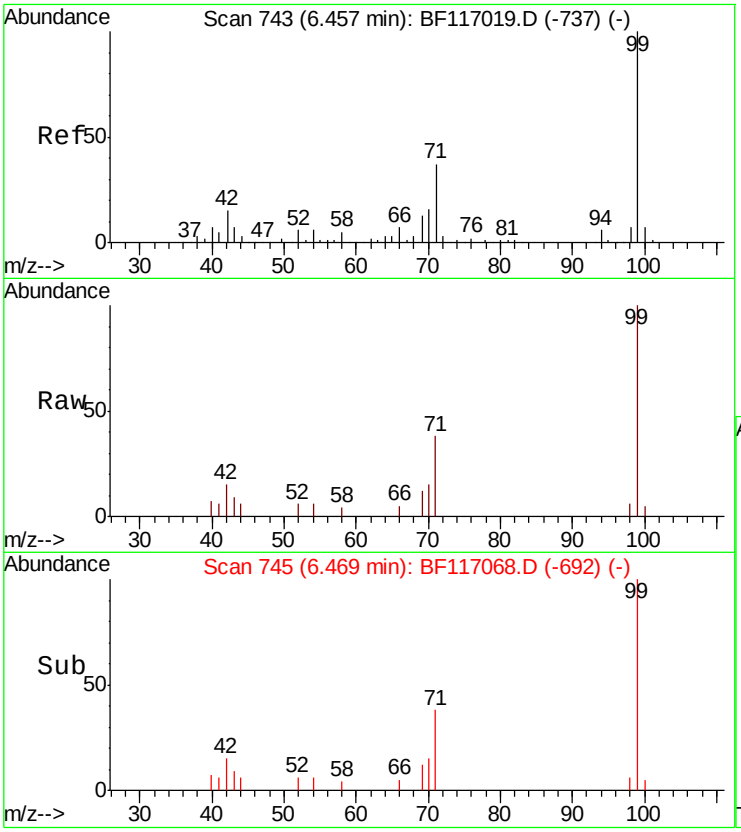


#5
2-Fluorophenol
Concen: 3.579 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:112 Resp: 12302

Ion	Ratio	Lower	Upper
112	100		
64	42.8	45.7	68.5#
63	23.8	24.9	37.3#



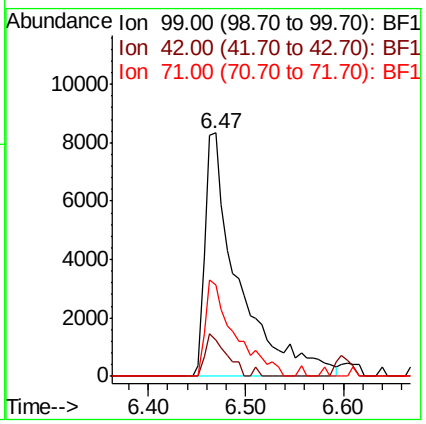


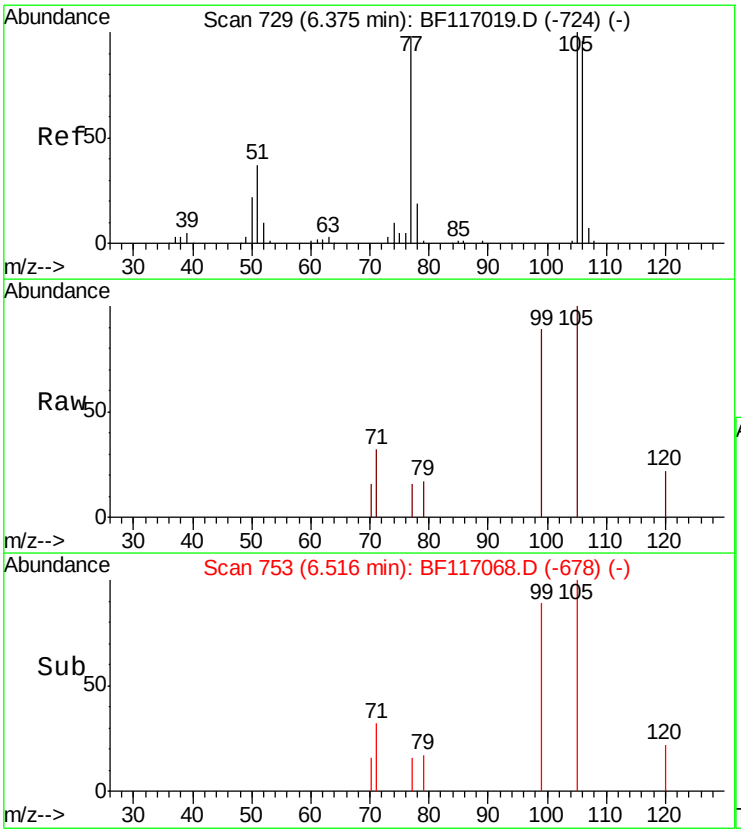
#7
Phenol-d6
Concen: 4.463 ng
RT: 6.47 min Scan# 745
Delta R.T. 0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 19823

Ion	Ratio	Lower	Upper
99	100		
42	14.9	12.2	18.2
71	37.7	29.8	44.8

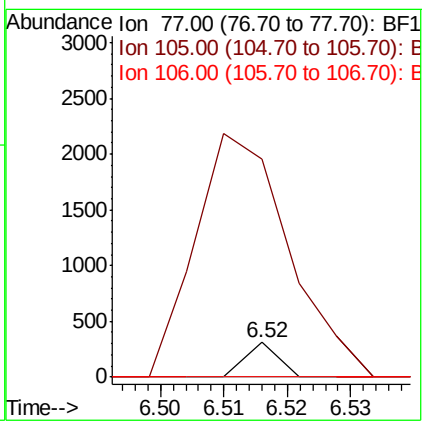


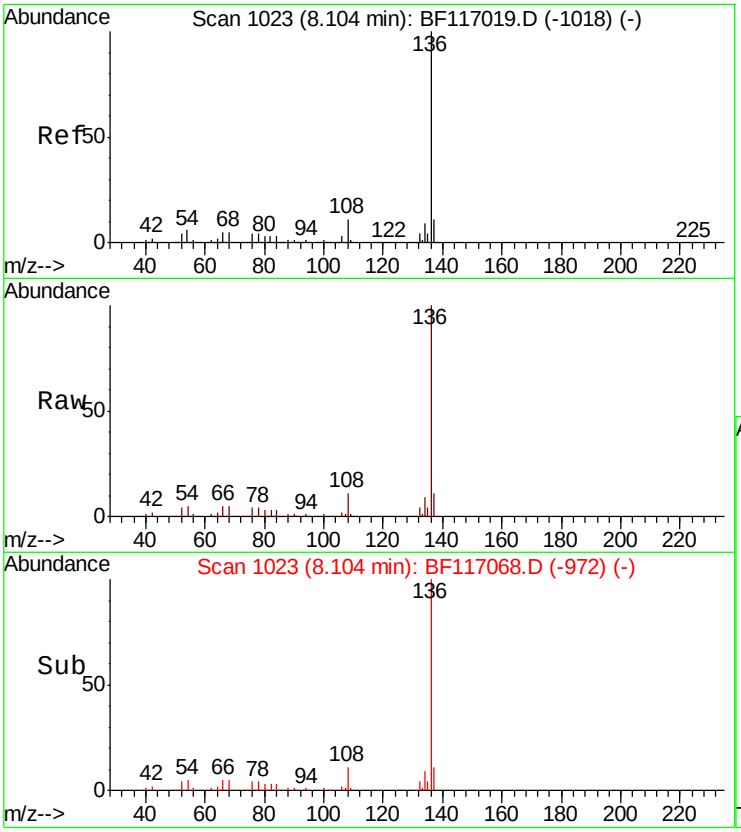


#9
Benzaldehyde
Concen: Below Cal
RT: 6.52 min Scan# 753
Delta R.T. 0.14 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion: 77 Resp: 109

Ion	Ratio	Lower	Upper
77	100		
105	632.6	81.8	121.8#
106	0.0	77.3	117.3#



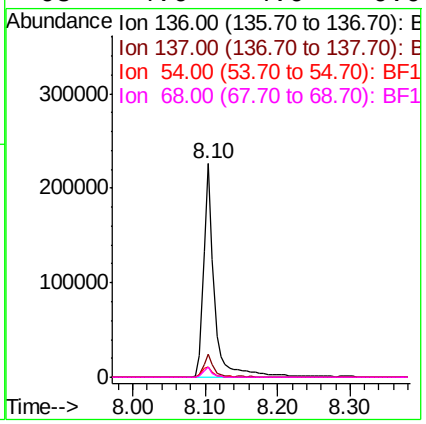


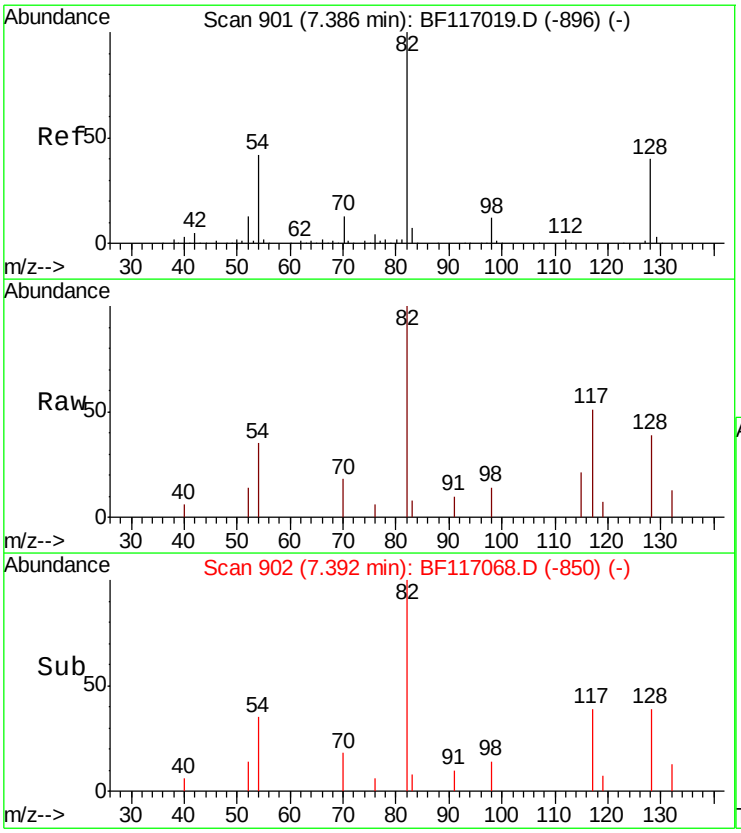
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 237156

Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.0	13.4
54	4.8	4.5	6.7
68	4.6	4.0	6.0

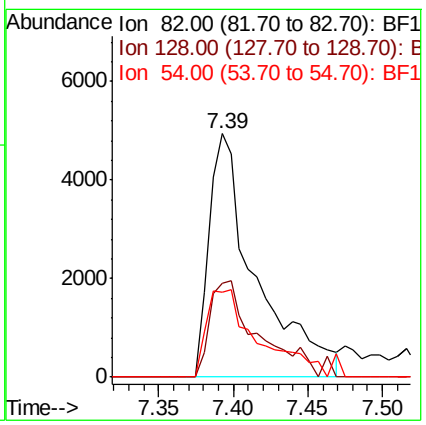


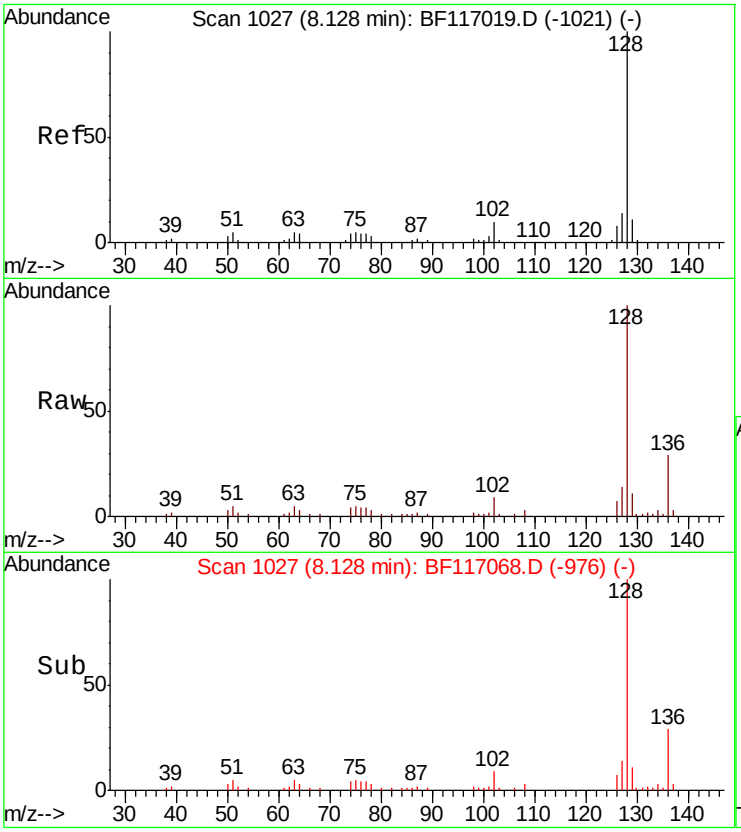


#23
Nitrobenzene-d5
Concen: 2.392 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion: 82 Resp: 10796

Ion	Ratio	Lower	Upper
82	100		
128	38.7	32.3	48.5
54	34.7	33.3	49.9



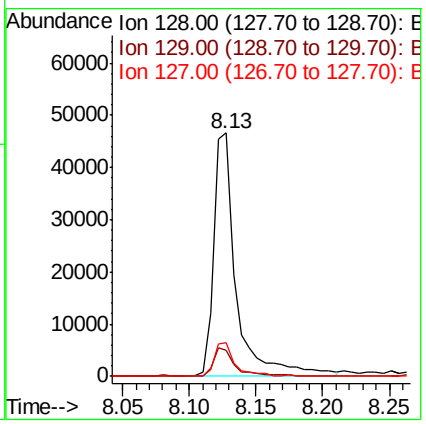


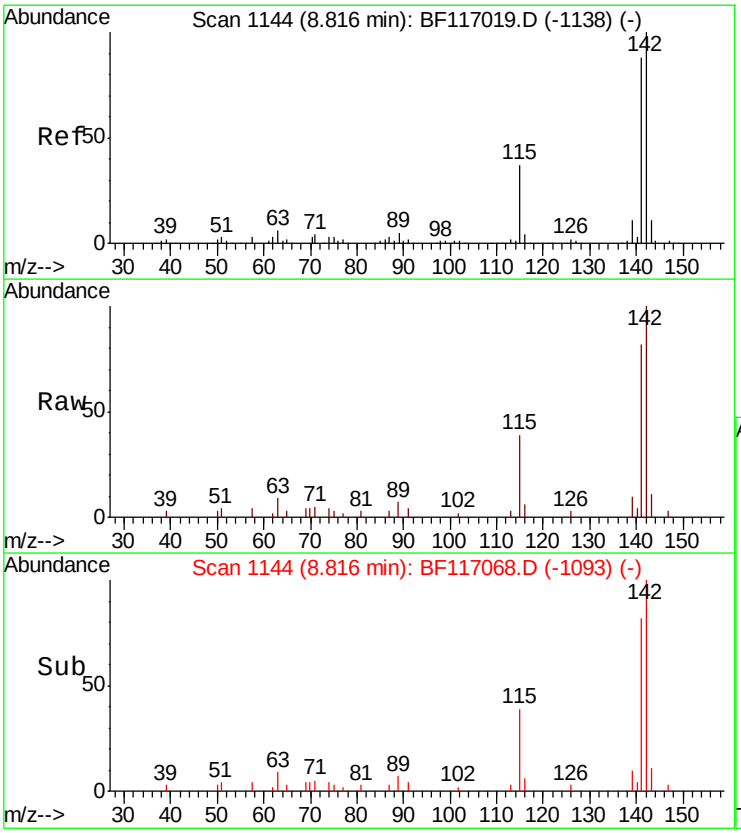
#31
Naphthalene
Concen: 4.881 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 55671

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	13.7	10.8	16.2

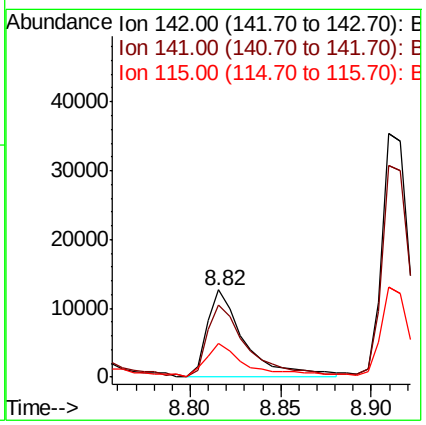


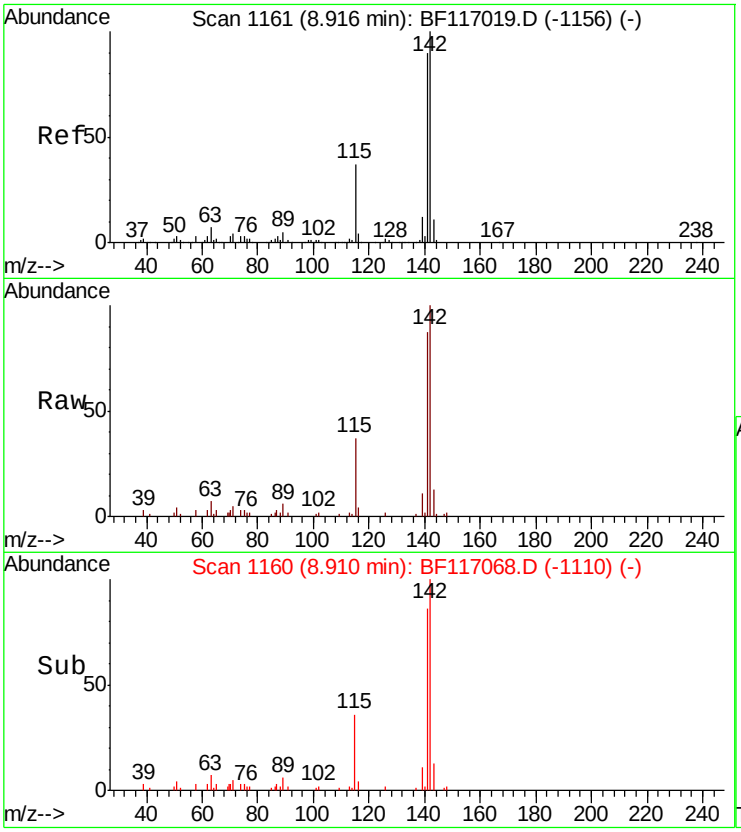


#37
2-Methylnaphthalene
Concen: 2.394 ng
RT: 8.82 min Scan# 1144
Delta R.T. 0.00 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:142 Resp: 18391

Ion	Ratio	Lower	Upper
142	100		
141	81.8	70.7	106.1
115	38.6	29.4	44.0



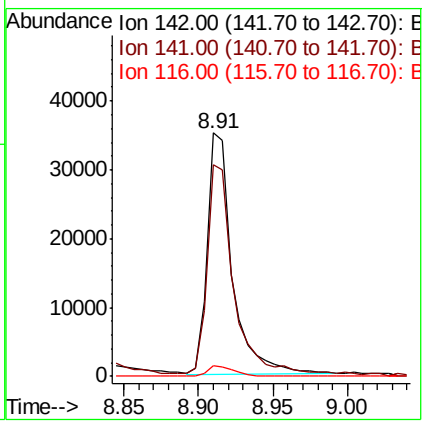


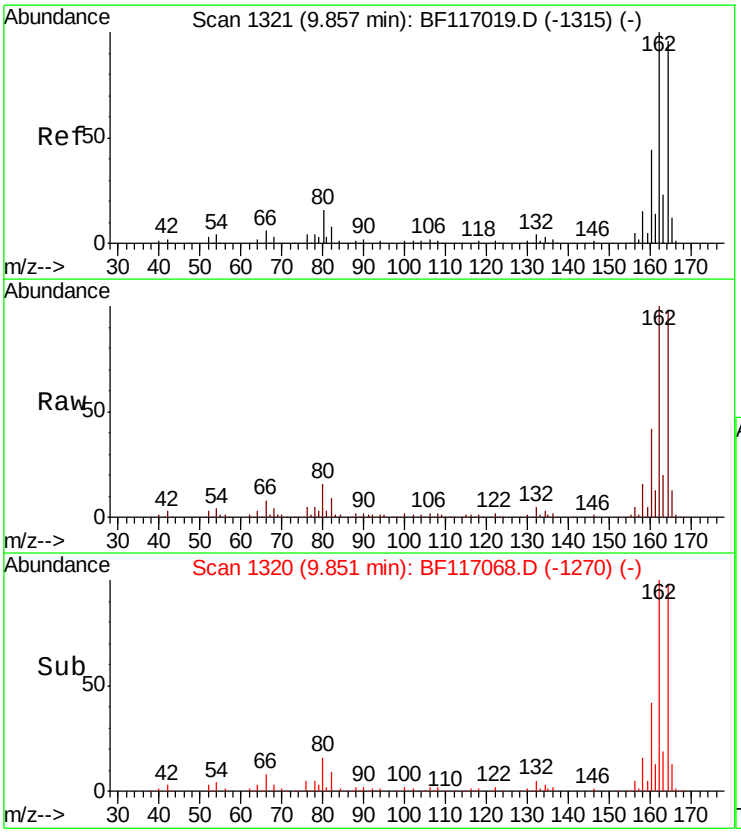
#38
1-Methylnaphthalene
Concen: 5.701 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 41013

Ion	Ratio	Lower	Upper
142	100		
141	86.8	71.9	107.9
116	4.2	3.2	4.8

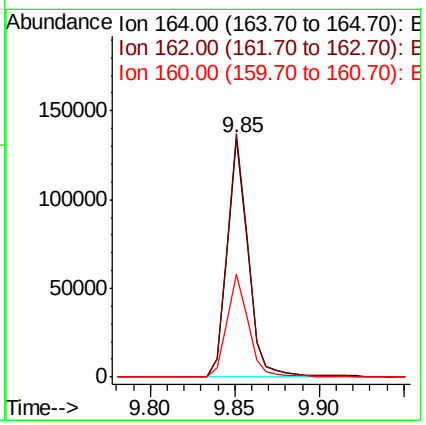


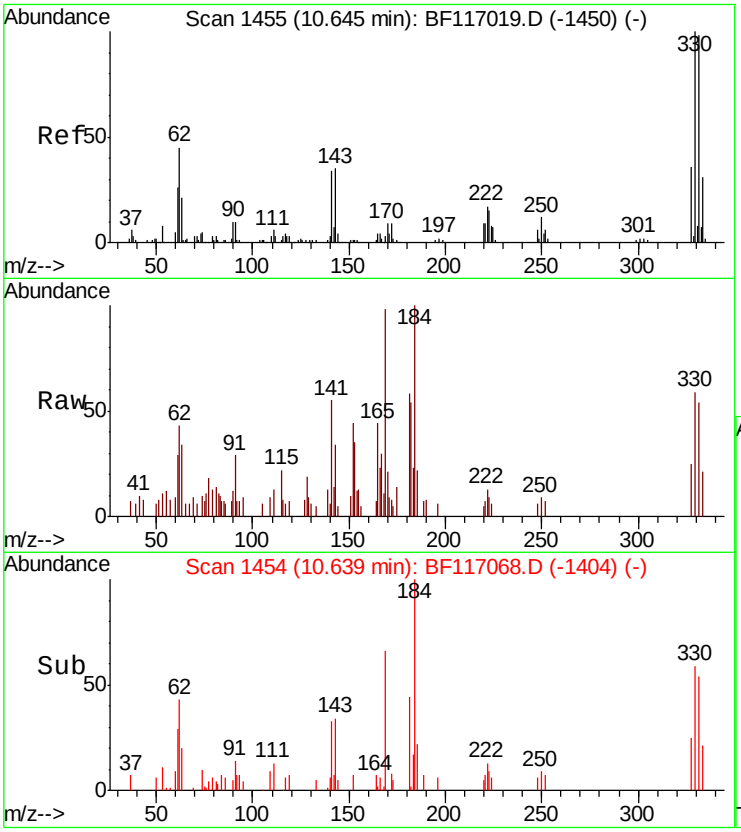


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:164 Resp: 115248

Ion	Ratio	Lower	Upper
164	100		
162	102.0	83.4	125.2
160	43.1	36.4	54.6



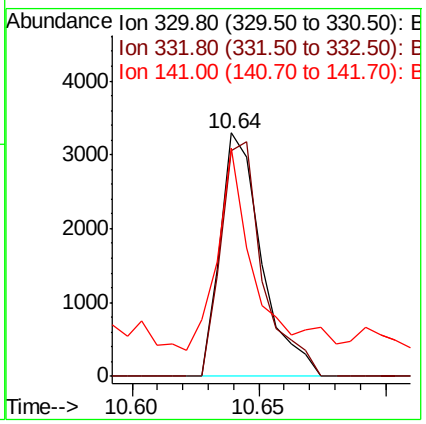


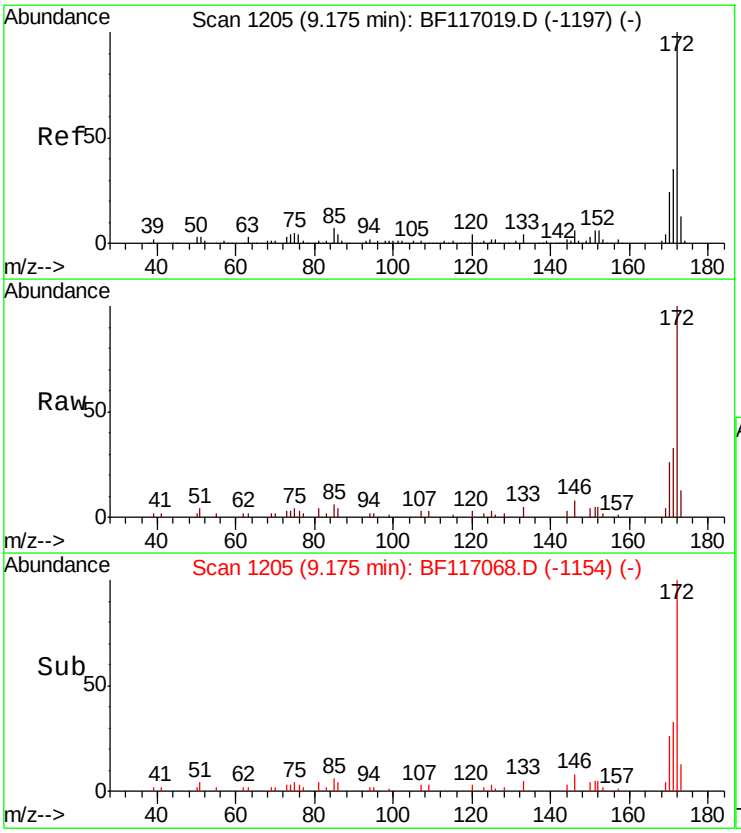
#42
2,4,6-Tribromophenol
Concen: 3.905 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 3761

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	72.9	35.8	53.6#

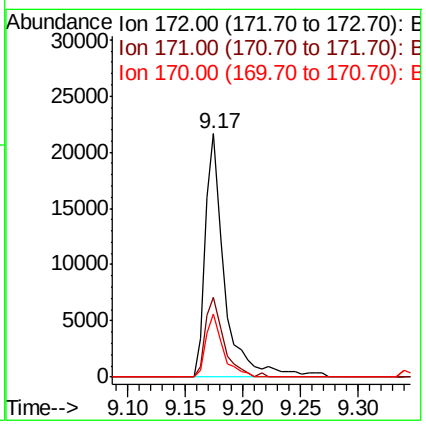


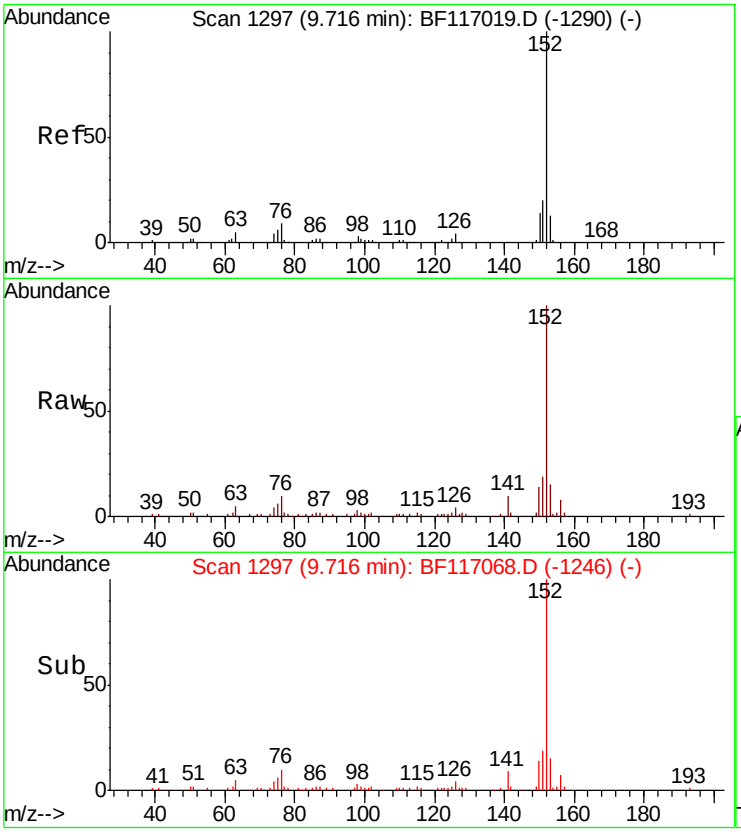


#45
2-Fluorobiphenyl
Concen: 3.423 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:172 Resp: 25229

Ion	Ratio	Lower	Upper
172	100		
171	32.8	28.2	42.2
170	25.9	18.9	28.3



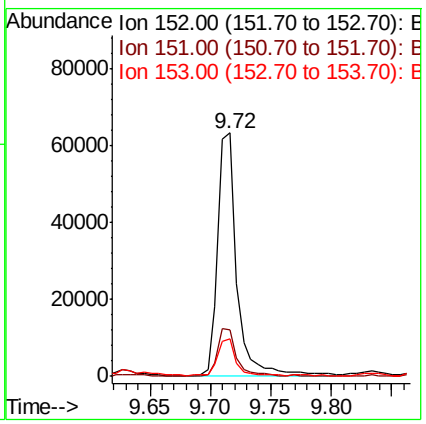


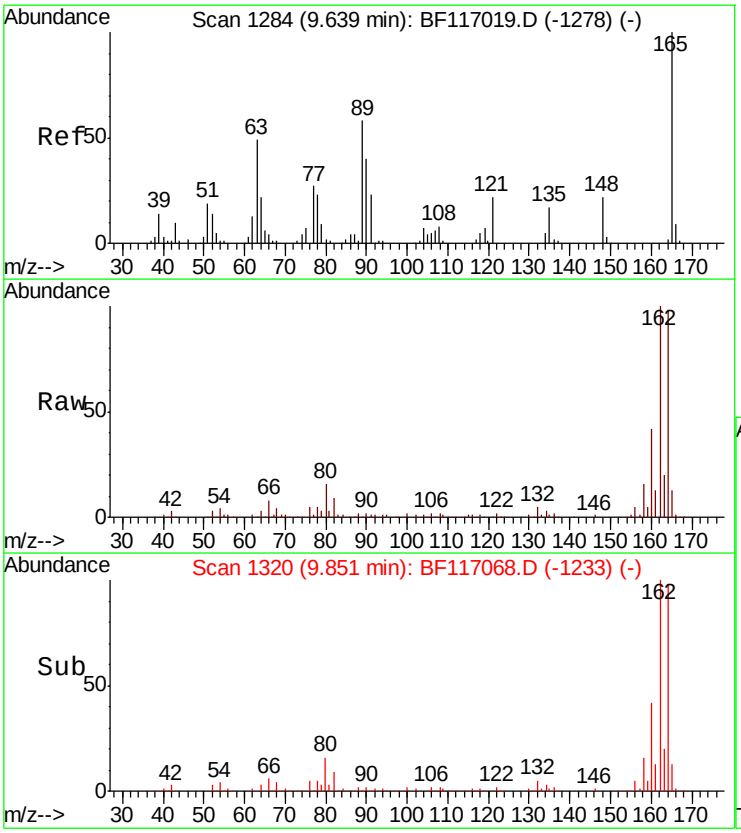
#49
Acenaphthylene
Concen: 6.533 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 69828

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.2	24.2
153	15.2	10.2	15.4

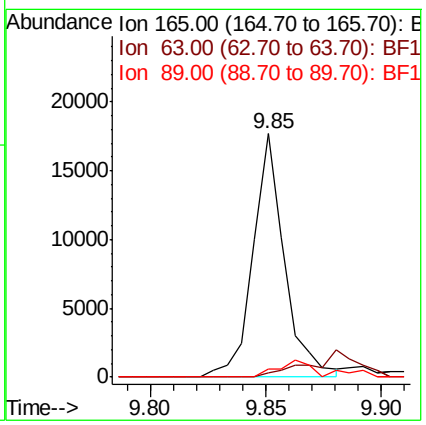


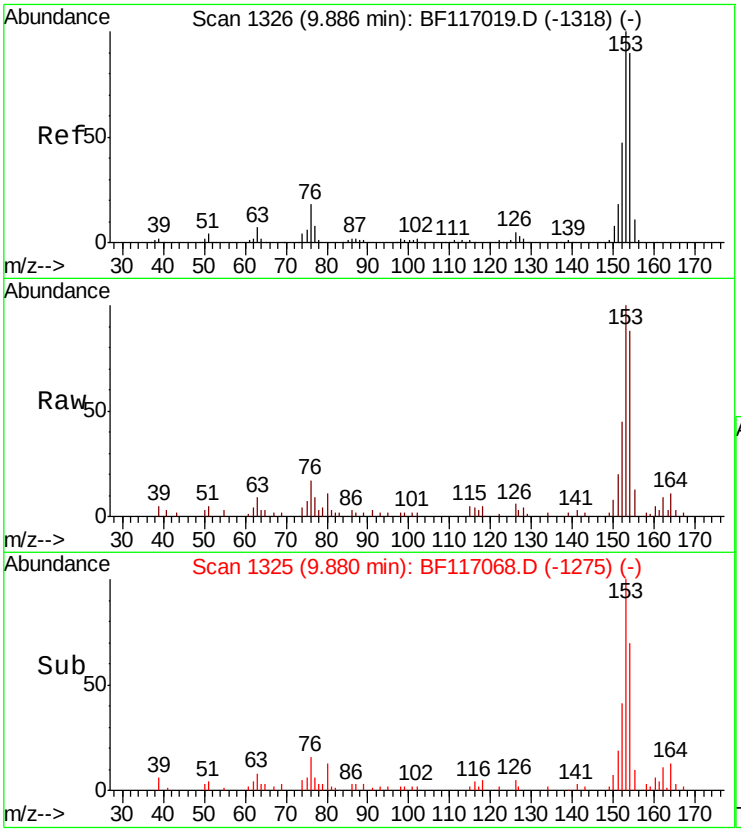


#51
2,6-Dinitrotoluene
Concen: 10.145 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:165 Resp: 16861

Ion	Ratio	Lower	Upper
165	100		
63	2.0	41.8	62.8#
89	3.2	46.5	69.7#



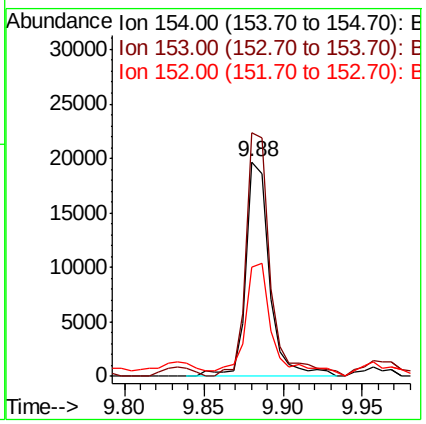


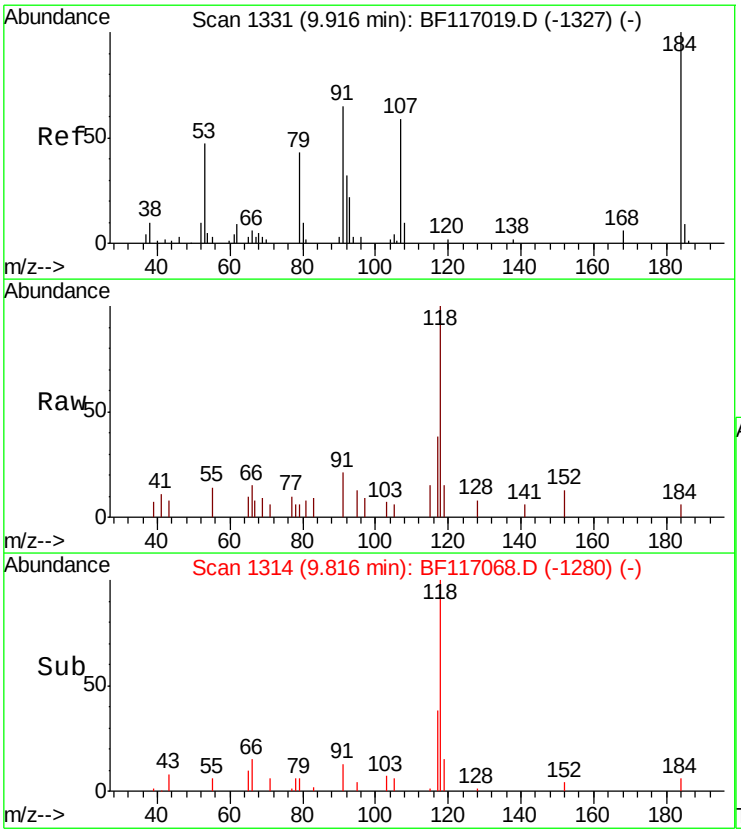
#52
Acenaphthene
Concen: 3.218 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 20390

Ion	Ratio	Lower	Upper
154	100		
153	113.5	89.0	133.6
152	51.2	41.9	62.9

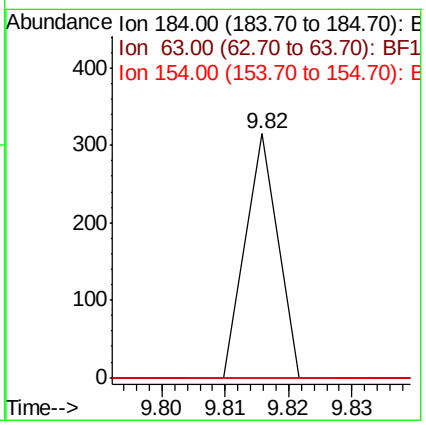


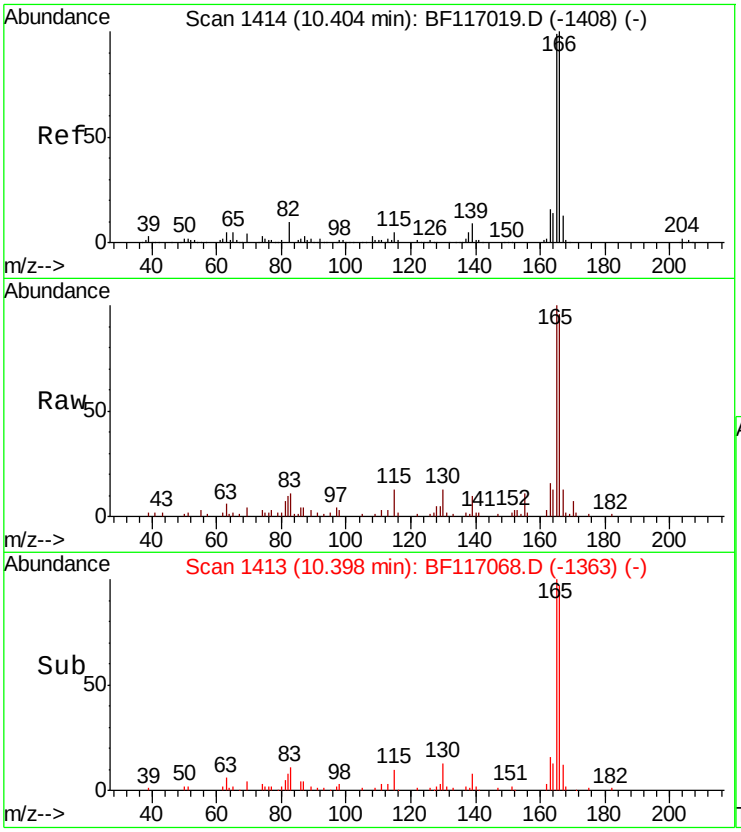


#54
2,4-Dinitrophenol
Concen: 9.303 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.10 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:184 Resp: 111

Ion	Ratio	Lower	Upper
184	100		
63	0.0	63.8	95.6#
154	0.0	60.4	90.6#



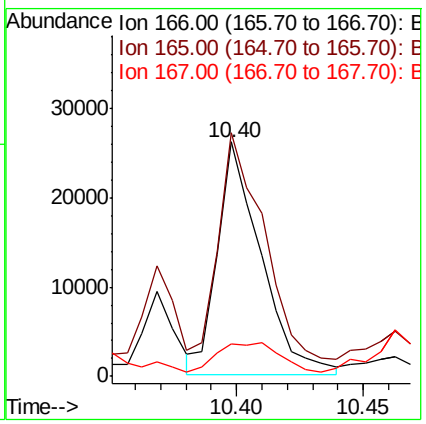


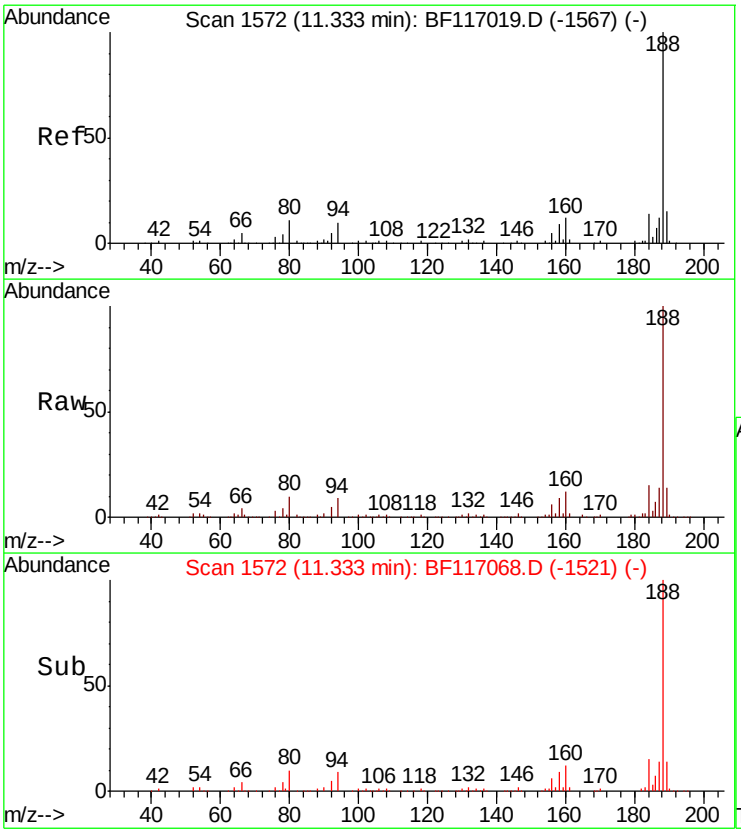
#58
Fluorene
Concen: 4.159 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 31316

Ion	Ratio	Lower	Upper
166	100		
165	104.0	78.9	118.3
167	13.6	10.6	15.8

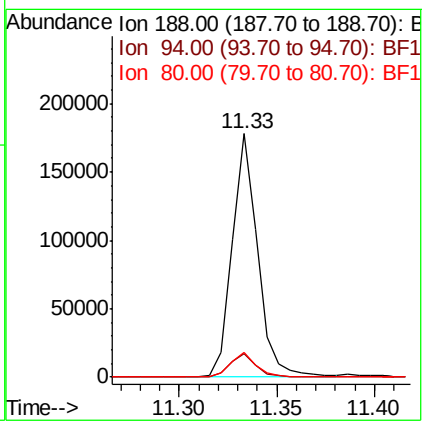


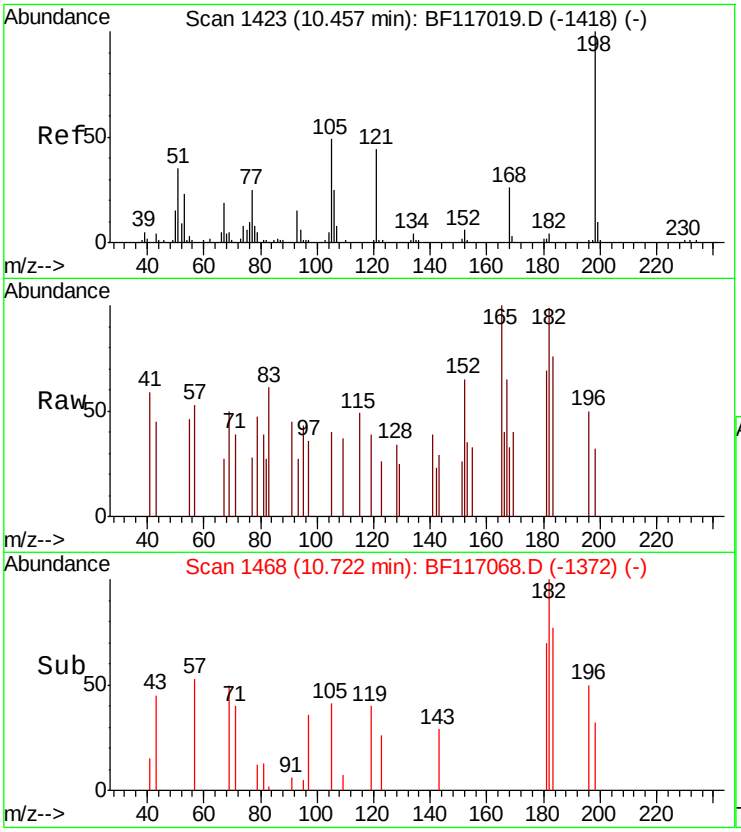


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:188 Resp: 161541

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.2	12.2
80	10.2	9.0	13.6



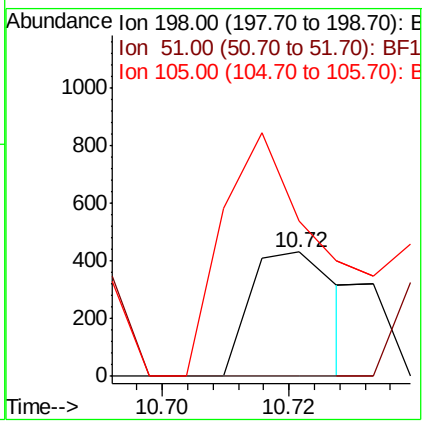


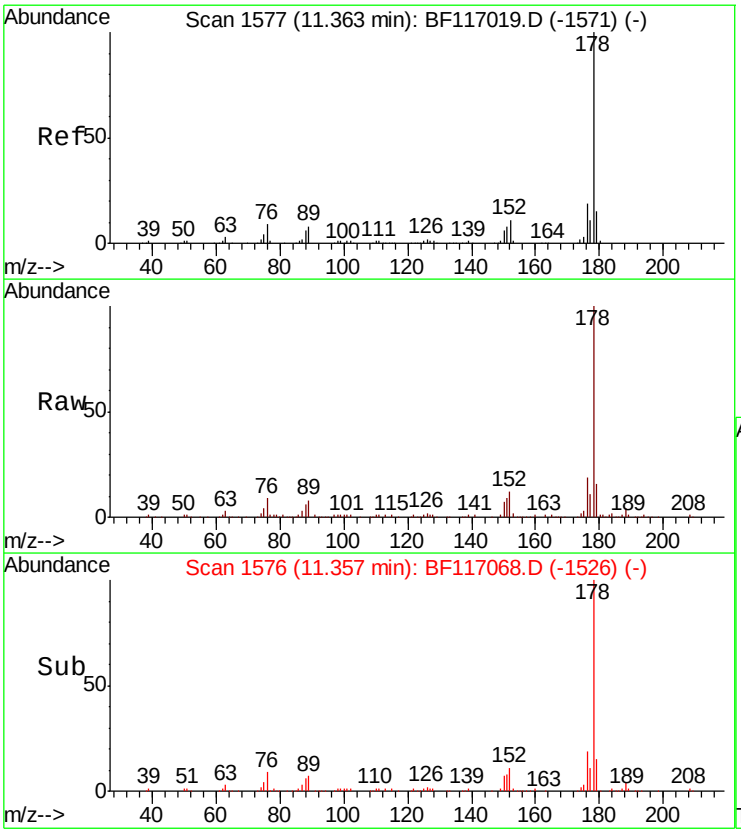
#65
4,6-Dinitro-2-methylphenol
Concen: 7.379 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.27 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 410

Ion	Ratio	Lower	Upper
198	100		
51	0.0	18.7	58.7#
105	125.1	30.2	70.2#

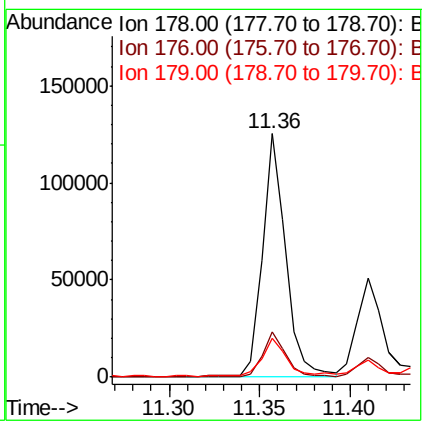


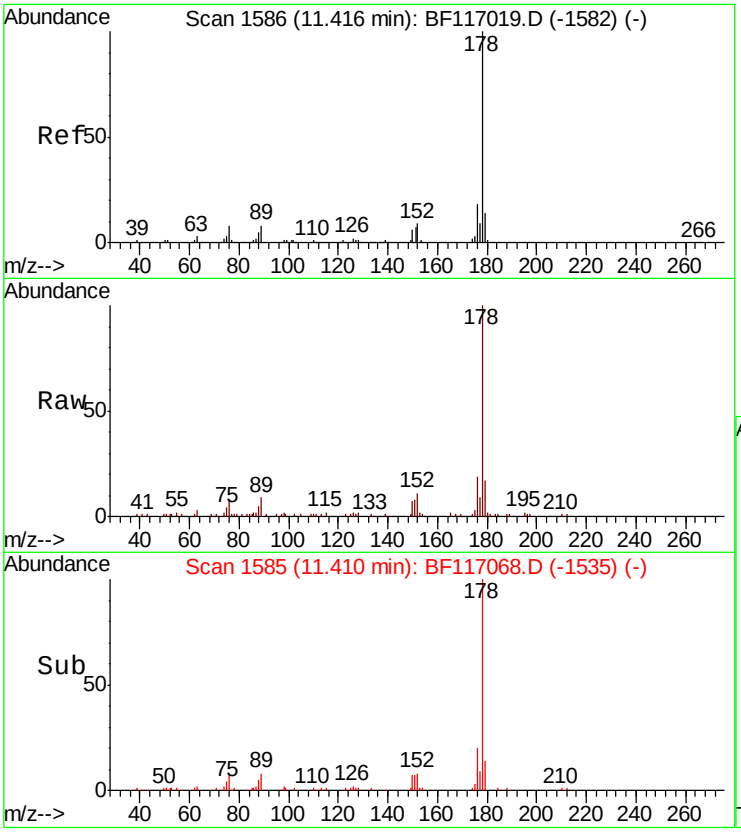


#71
Phenanthrene
Concen: 12.087 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:178 Resp: 110905

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	16.1	12.4	18.6



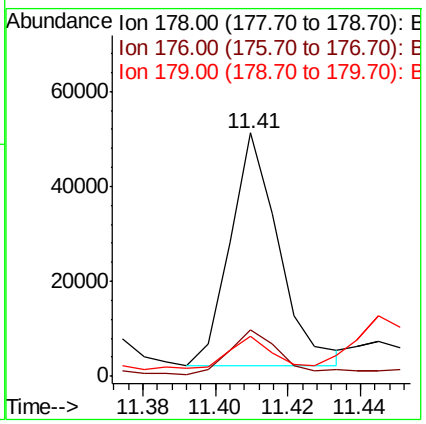


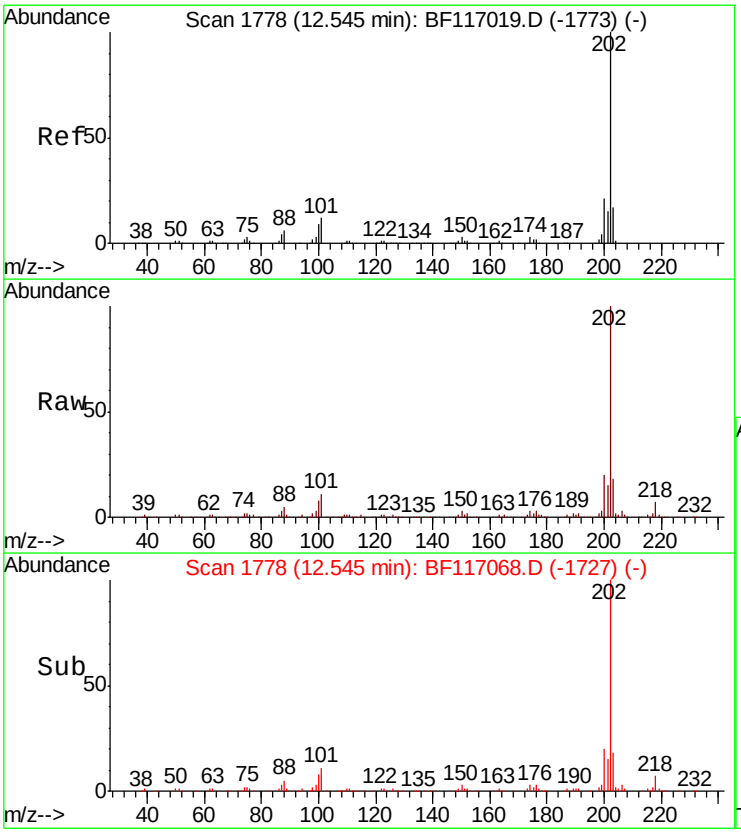
#72
Anthracene
Concen: 4.845 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 45386

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	21.8
179	16.7	11.6	17.4

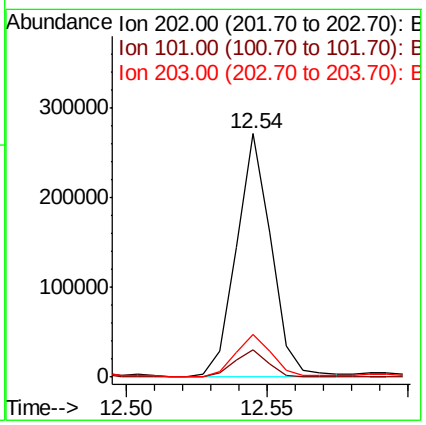


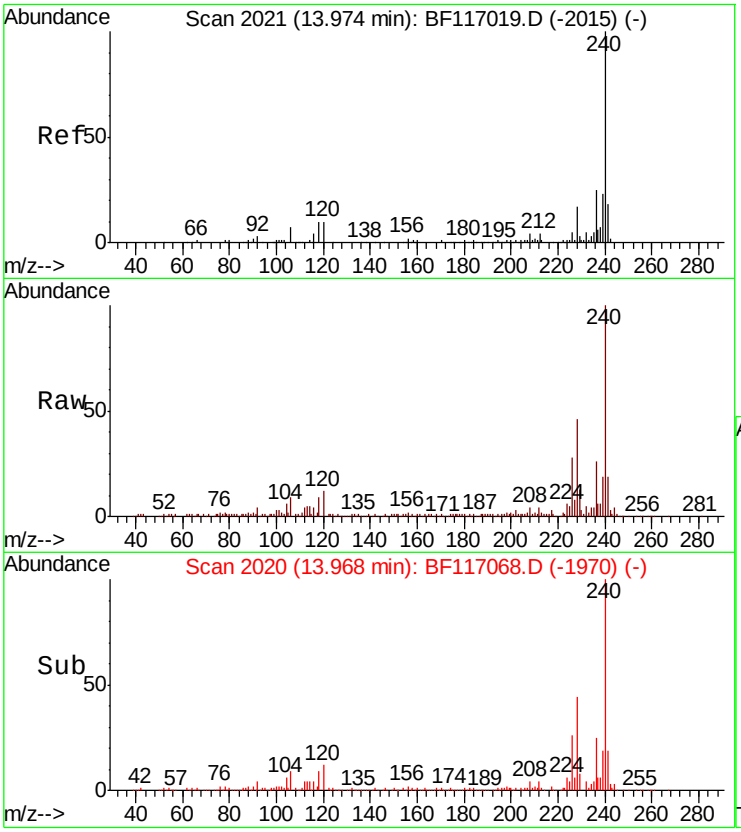


#75
Fluoranthene
Concen: 24.390 ng
RT: 12.54 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:202 Resp: 229941

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	32.3
203	17.7	0.0	37.1



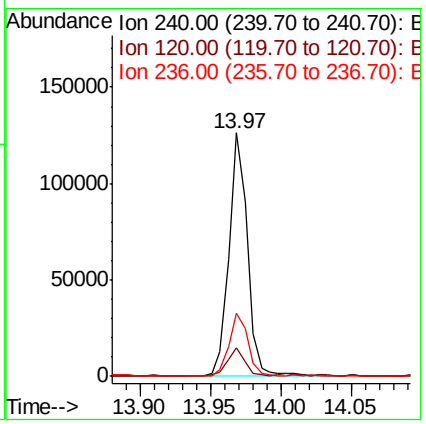


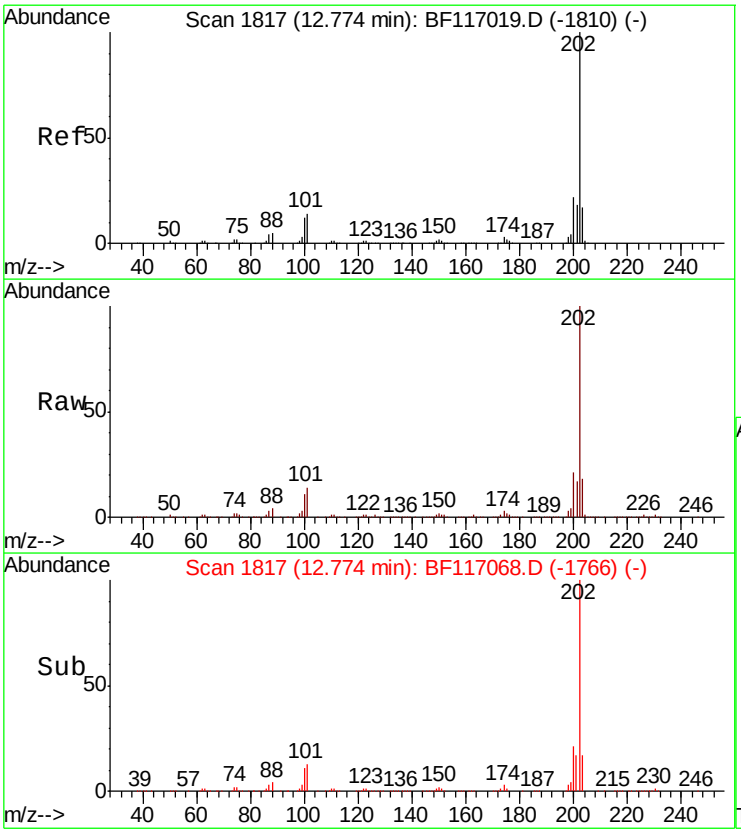
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 113519

Ion	Ratio	Lower	Upper
240	100		
120	11.6	8.3	12.5
236	25.9	20.3	30.5

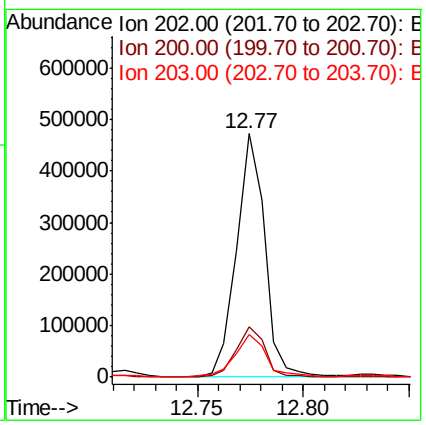


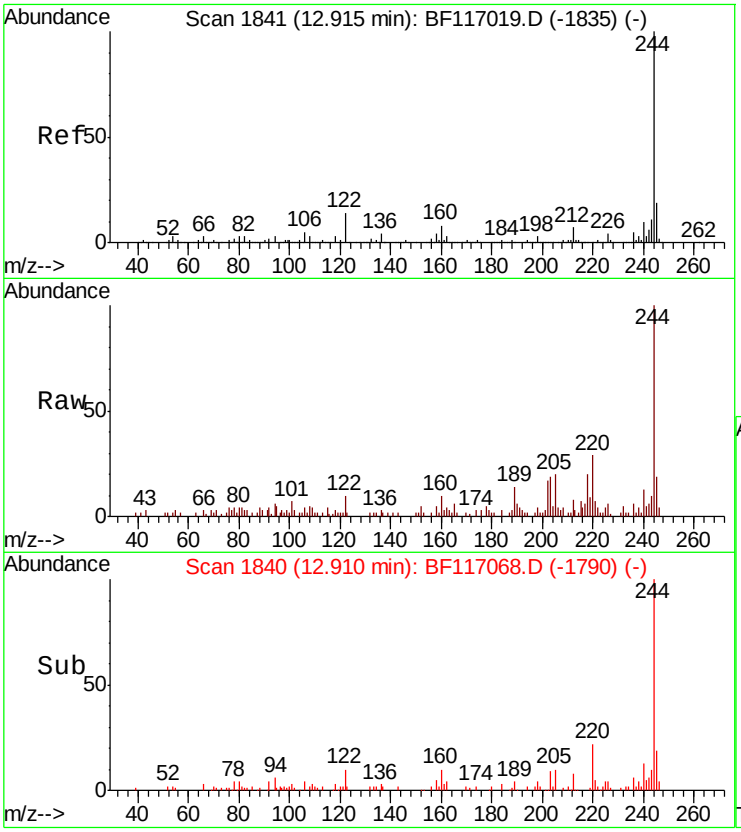


#78
Pyrene
Concen: 45.706 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:202 Resp: 435350

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.2	25.8
203	17.6	14.0	21.0



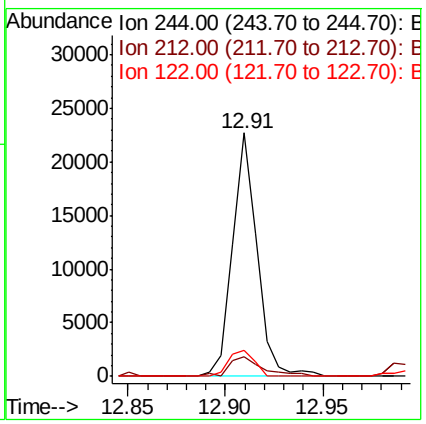


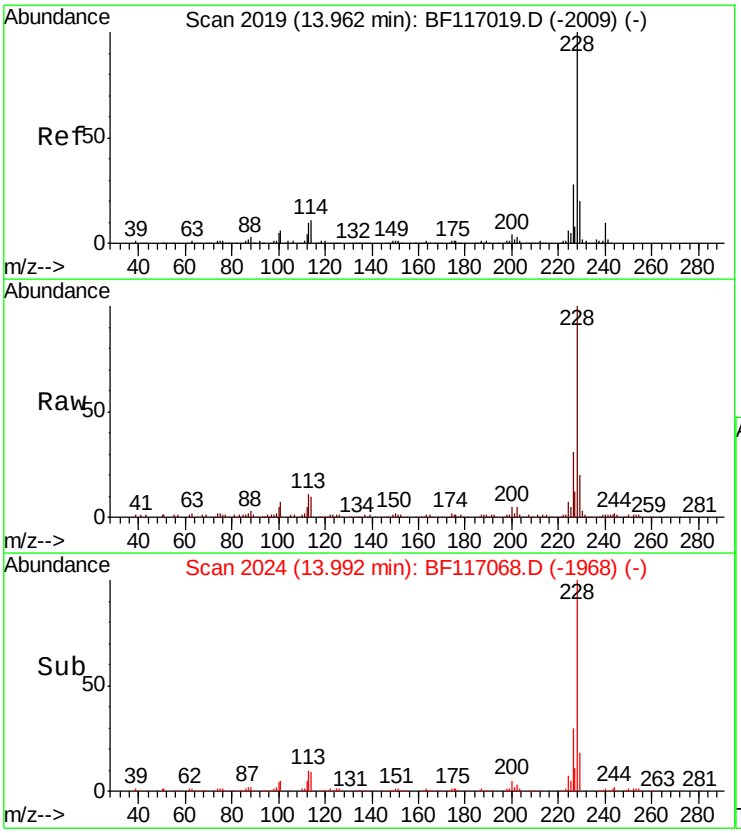
#79
Terphenyl-d14
Concen: 3.257 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 19782

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	10.4	11.3	16.9#

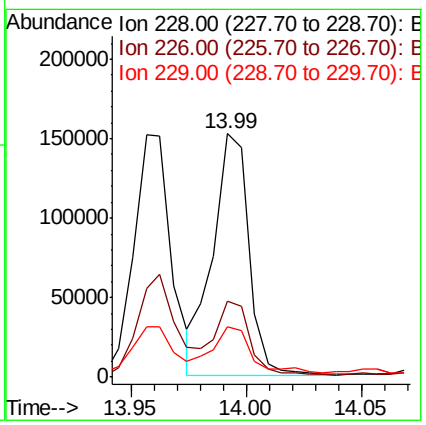


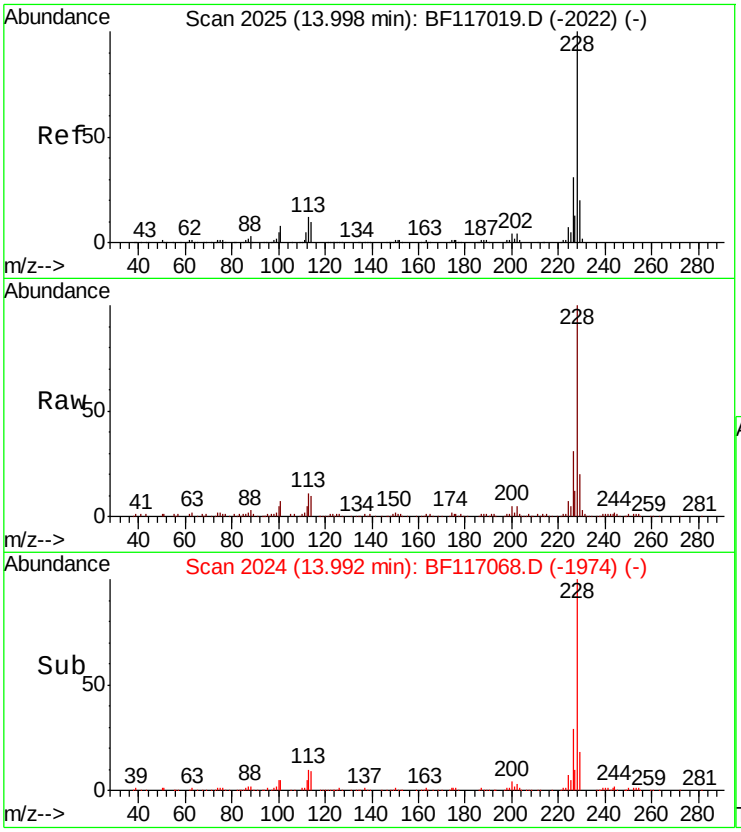


#81
Benzo(a)anthracene
Concen: 21.761 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.03 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:228 Resp: 165042

Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.3	33.5
229	20.4	15.9	23.9



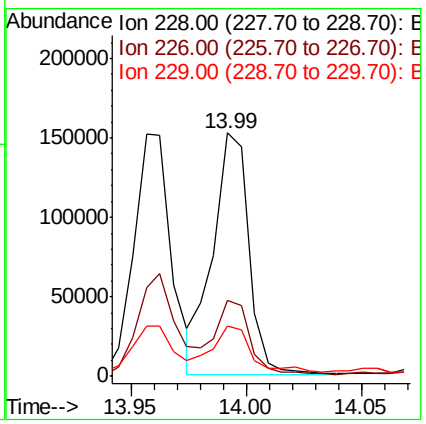


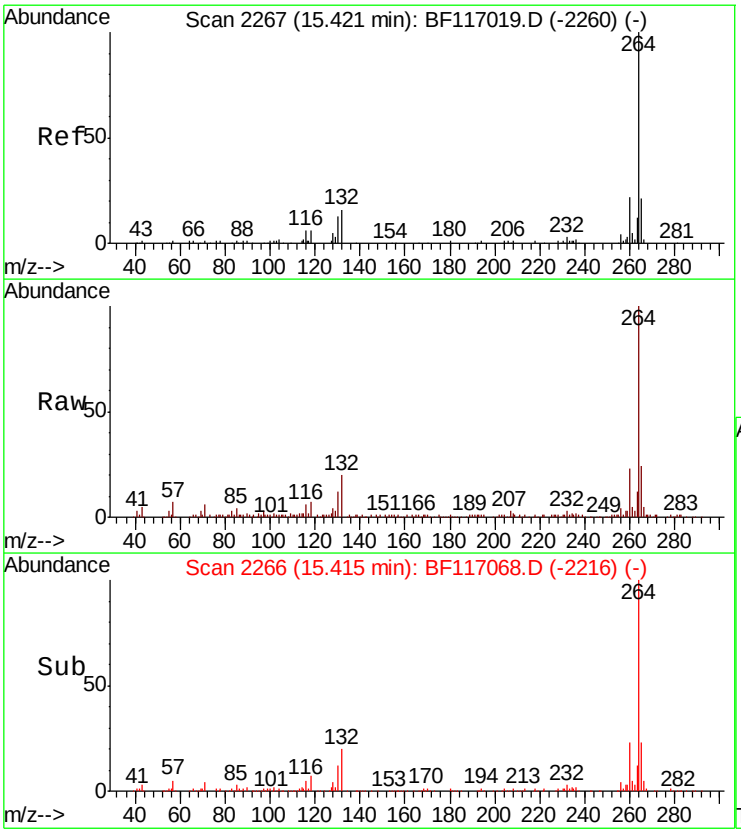
#83
Chrysene
Concen: 22.311 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 165042

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.8	37.2
229	20.4	15.8	23.8

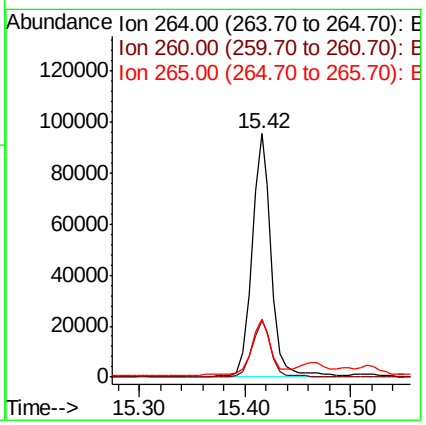


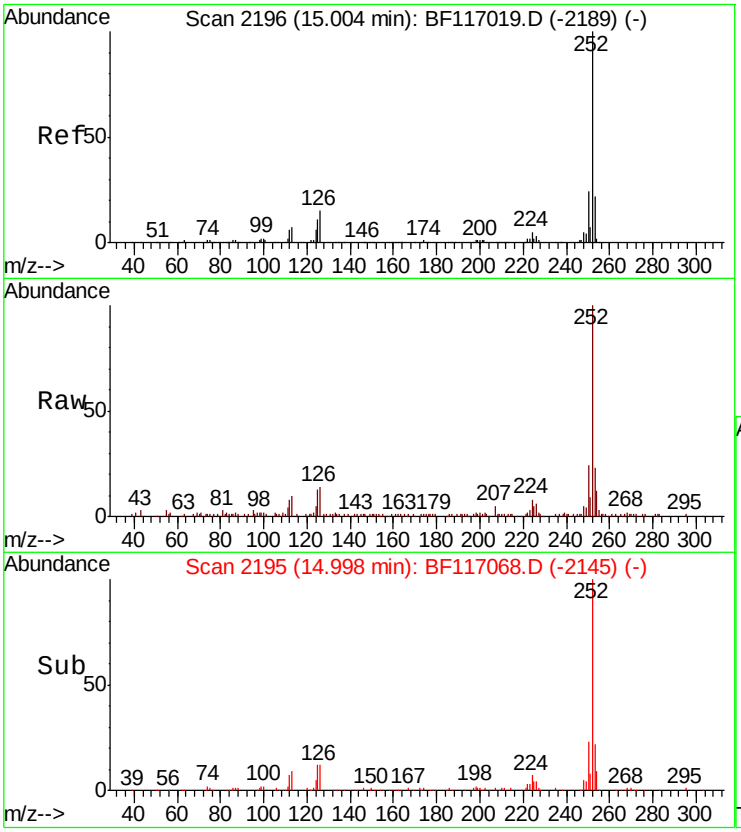


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:264 Resp: 122213

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.6	26.4
265	23.7	16.6	24.8



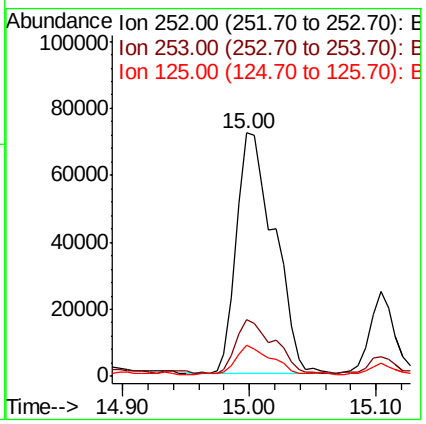


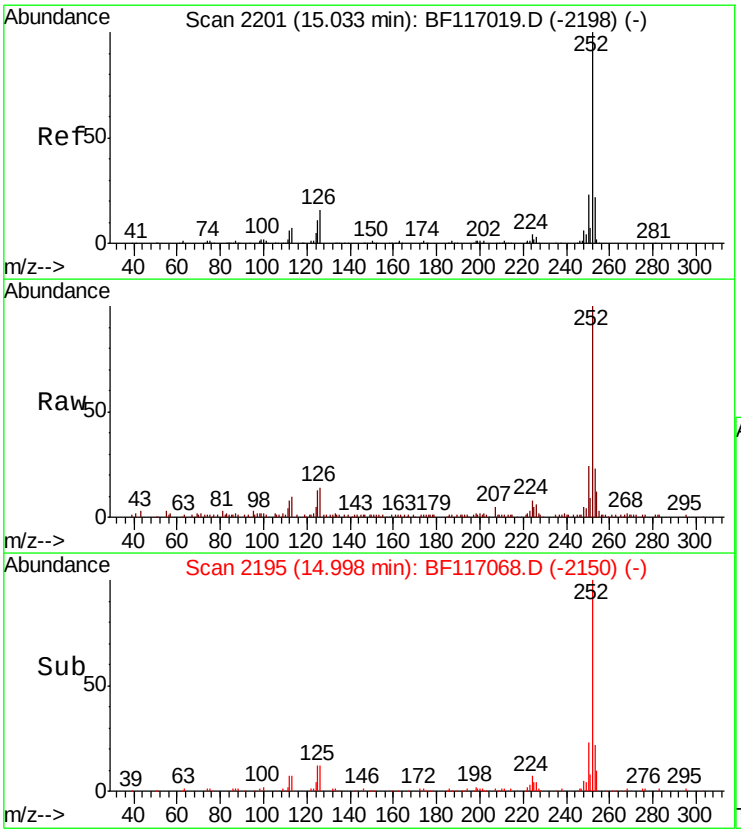
#88
Benzo(b)fluoranthene
Concen: 20.032 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 148291

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	13.0	8.6	12.8#

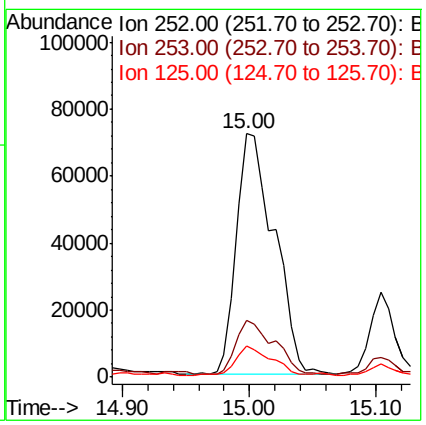


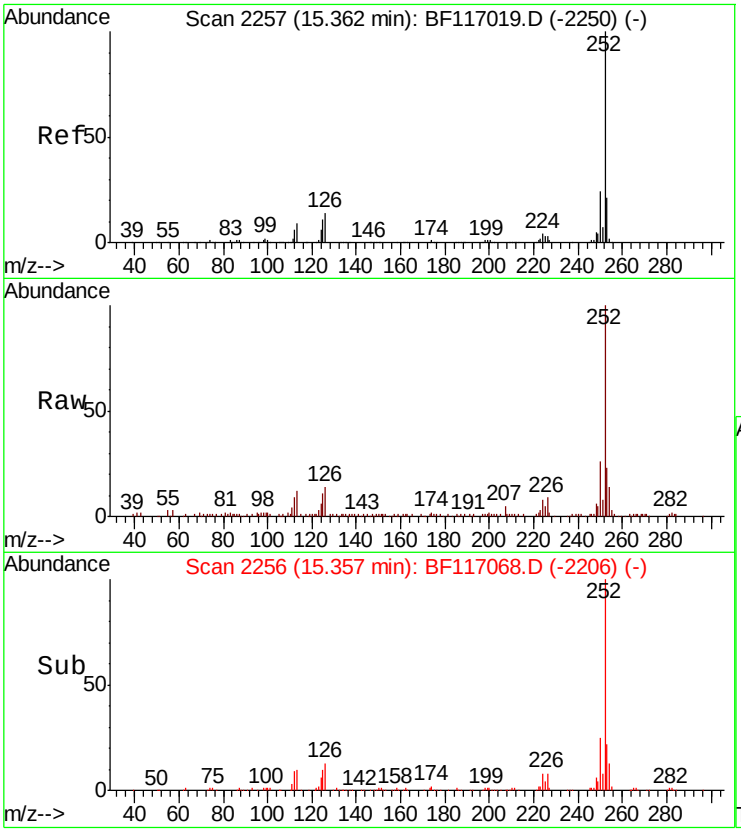


#89
Benzo(k)fluoranthene
Concen: 21.146 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.04 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:252 Resp: 148291

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.2
125	13.0	8.8	13.2



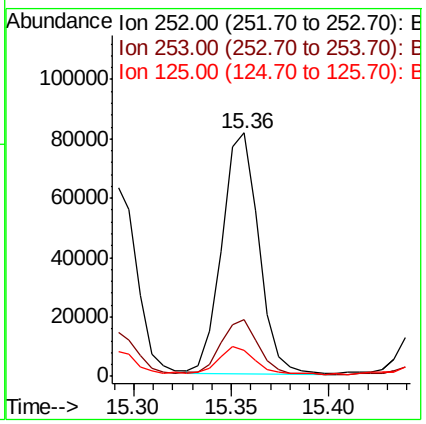


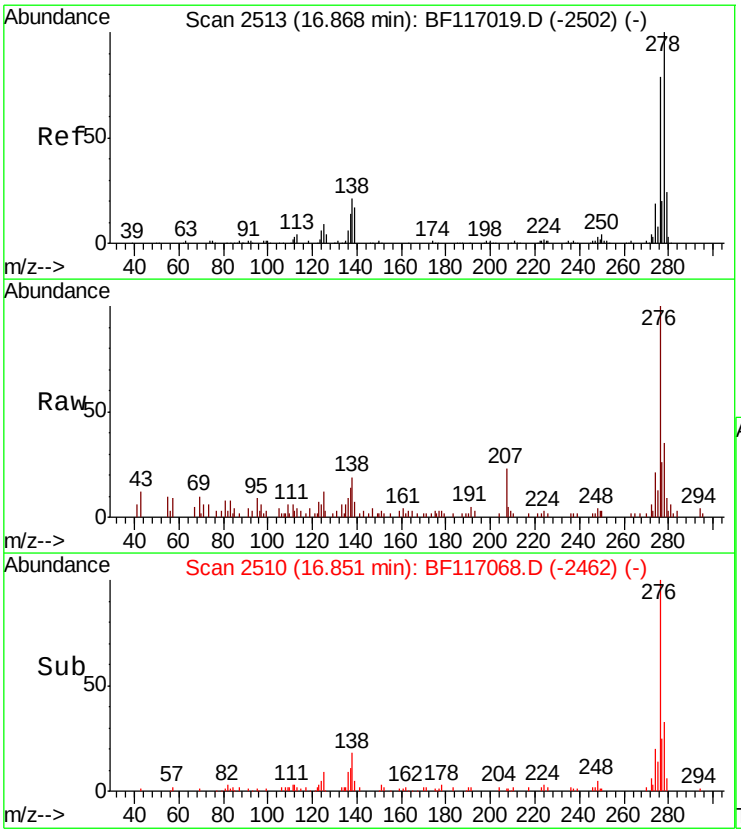
#90
Benzo(a)pyrene
Concen: 16.380 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 106408

Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.6	25.0
125	10.9	8.9	13.3

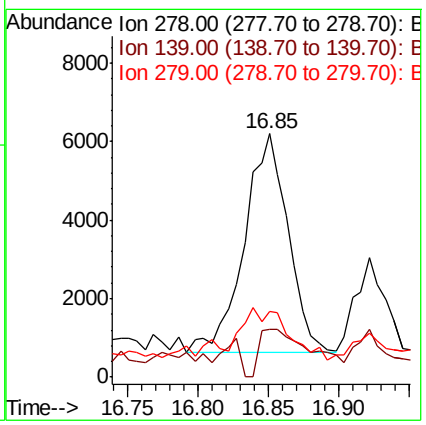


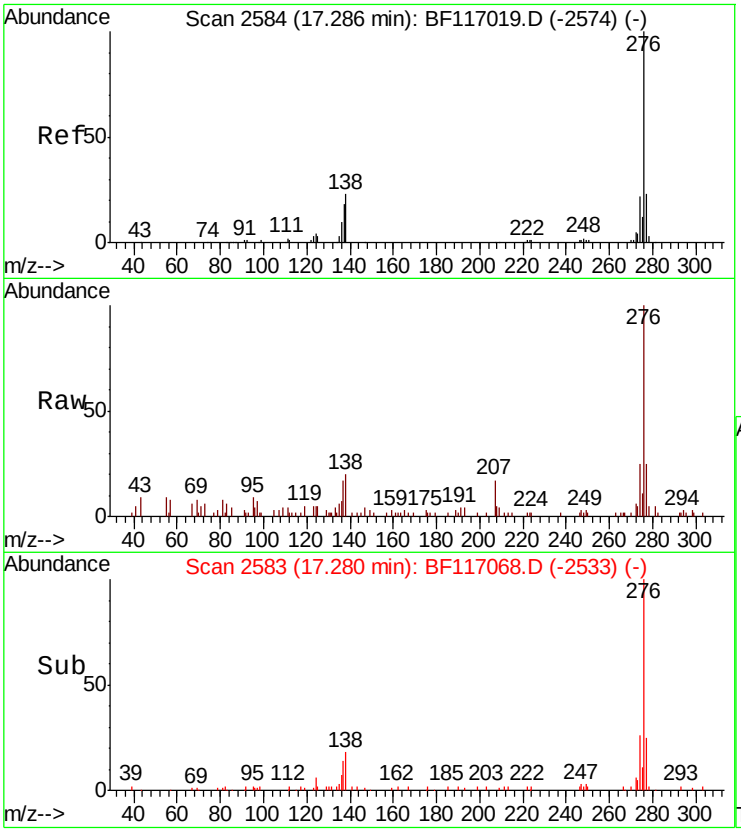


#91
Dibenzo(a,h)anthracene
Concen: 2.363 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.02 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Tgt Ion:278 Resp: 12229

Ion	Ratio	Lower	Upper
278	100		
139	19.7	13.5	20.3
279	27.0	18.8	28.2





#92
Benzo(g,h,i)perylene
Concen: 7.138 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.01 min
Lab File: BF117068.D
Acq: 16 Sep 2019 17:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 36810

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	27.8
138	20.3	18.0	27.0