Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116969.D
Acq On : 12 Sep 2019 1:34
Operator : HP/JU
Sample : K4636-16DL2 40X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Sep 12 07:08:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 17:49:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	63364	20.00	ng		-0.01
21) Naphthalene-d8	8.10	136	286326	20.00	ng		-0.02
39) Acenaphthene-d10	9.85	164	152800	20.00	ng		-0.02
64) Phenanthrene-d10	11.34	188	267414	20.00	ng		-0.01
76) Chrysene-d12	13.97	240	199794	20.00	ng		-0.01
87) Perylene-d12	15.42	264	200904	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	8184	2.09	ng		-0.02
7) Phenol-d6	6.45	99	12259	2.39	ng		-0.02
23) Nitrobenzene-d5	7.38	82	7215	1.44	ng		-0.02
42) 2,4,6-Tribromophenol	10.64	330	2598	2.54	ng		-0.02
45) 2-Fluorobiphenyl	9.17	172	15705	1.73	ng		-0.02
79) Terphenyl-d14	12.91	244	17787	1.65	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.12	128	49817	3.659	ng		98
37) 2-Methylnaphthalene	8.82	142	22486	2.482	ng		99
38) 1-Methylnaphthalene	8.92	142	18961	2.217	ng		99
51) 2,6-Dinitrotoluene	9.85	165	20757	10.313	ng	#	20
52) Acenaphthene	9.89	154	65609	7.692	ng		97
55) Dibenzofuran	10.06	168	84574	7.034	ng		97
56) 4-Nitrophenol	10.06	139	34769	20.103	ng	#	2
58) Fluorene	10.40	166	108492	11.842	ng		97
71) Phenanthrene	11.37	178	1043354	70.090	ng		100
72) Anthracene	11.42	178	314479	20.987	ng		99
73) Carbazole	11.56	167	73473	5.147	ng		98
75) Fluoranthene	12.55	202	1013499	69.279	ng		98
78) Pyrene	12.78	202	834554	46.990	ng		99
81) Benzo(a)anthracene	13.96	228	317773	25.131	ng		99
83) Chrysene	14.00	228	266723	20.474	ng		98
86) Indeno(1,2,3-cd)pyrene	16.84	276	129633	12.389	ng		96
88) Benzo(b)fluoranthene	15.00	252	363137	29.897	ng		99
89) Benzo(k)fluoranthene	15.00	252	363137	32.790	ng		100
90) Benzo(a)pyrene	15.36	252	205663	19.462	ng		98
91) Dibenzo(a,h)anthracene	16.85	278	27752	3.000	ng	#	85
92) Benzo(g,h,i)perylene	17.27	276	113625	12.045	ng		98

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

Quantitation Report (Not Reviewed)

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Acq On : 12 Sep 2019 1:34
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 17:49:40 2019
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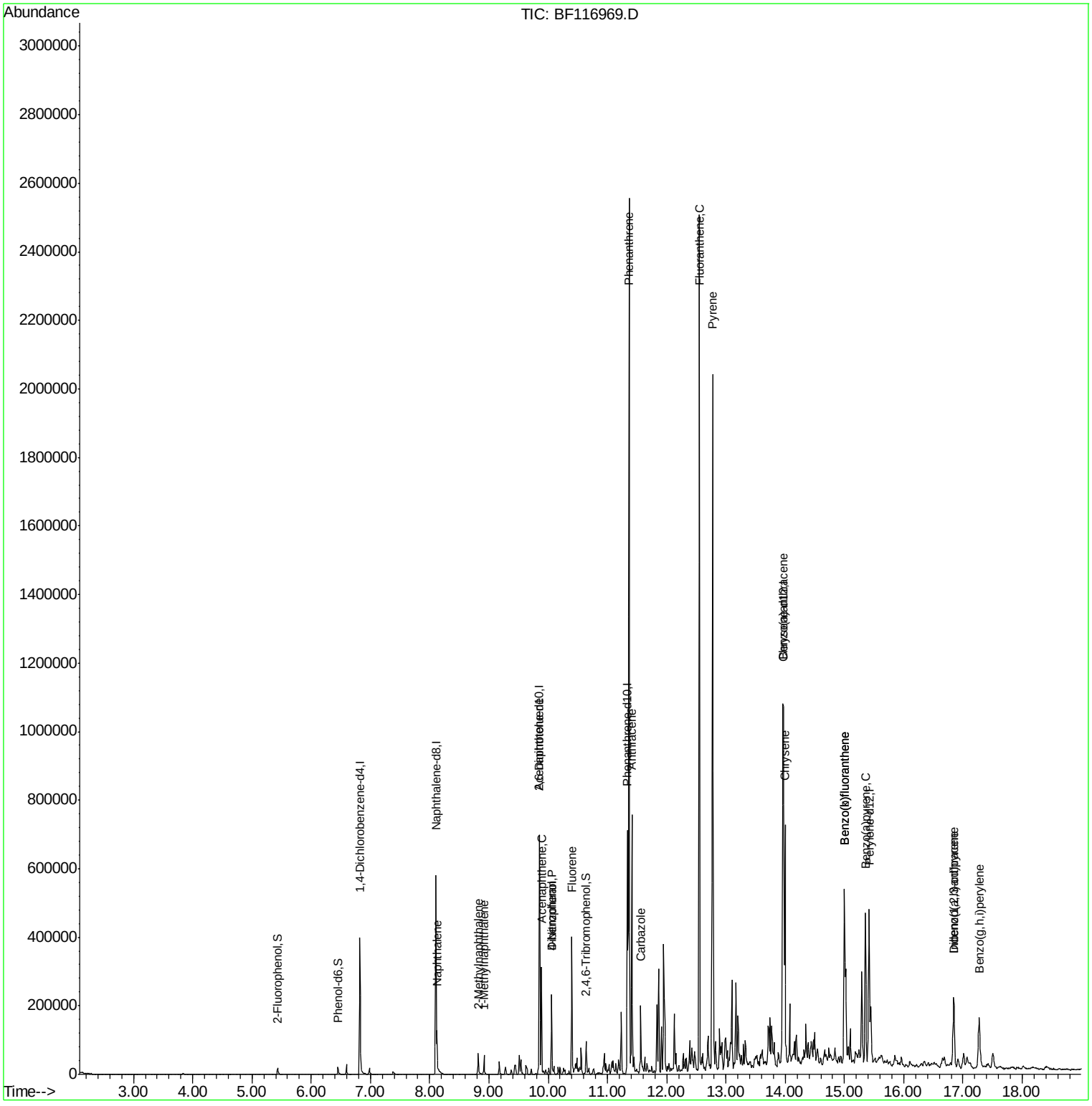
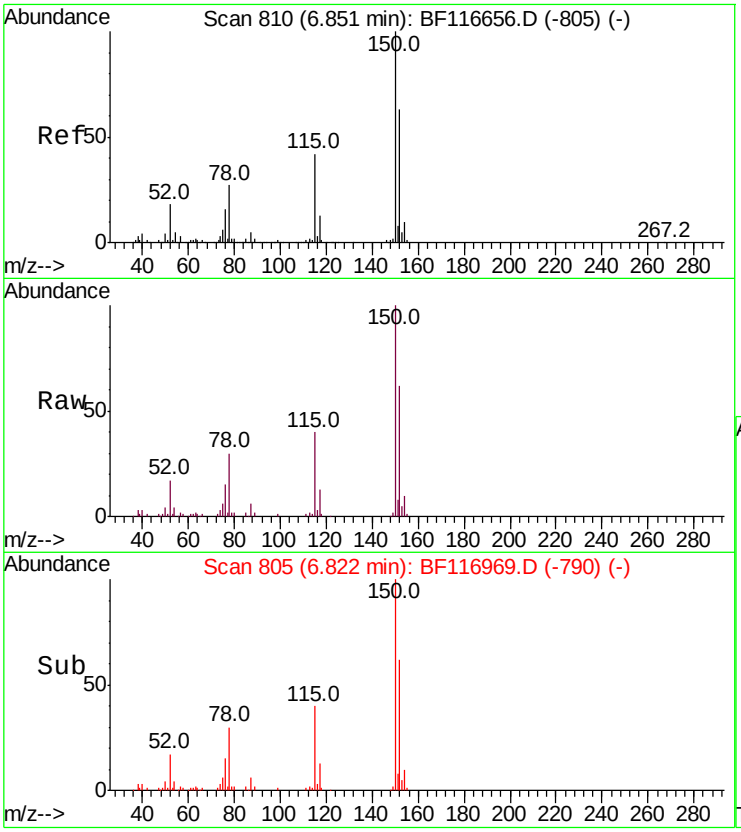


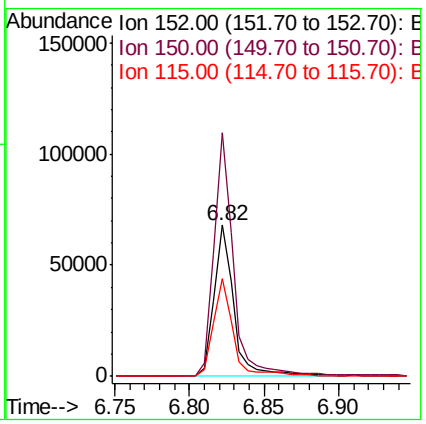


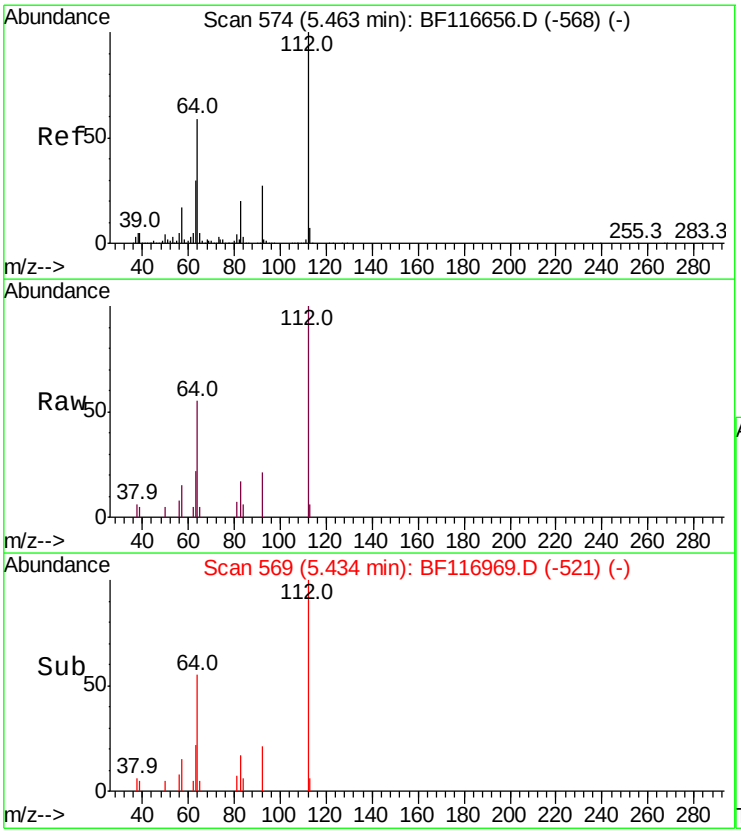
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 63364

Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.4	186.6
115	65.1	49.9	74.9

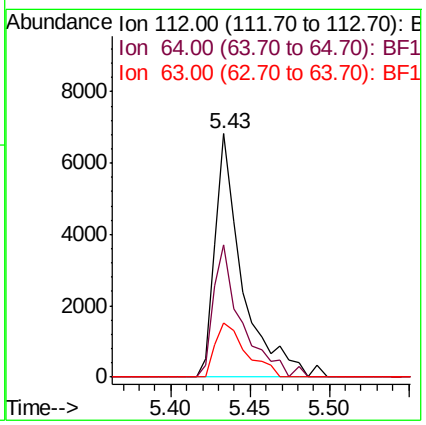


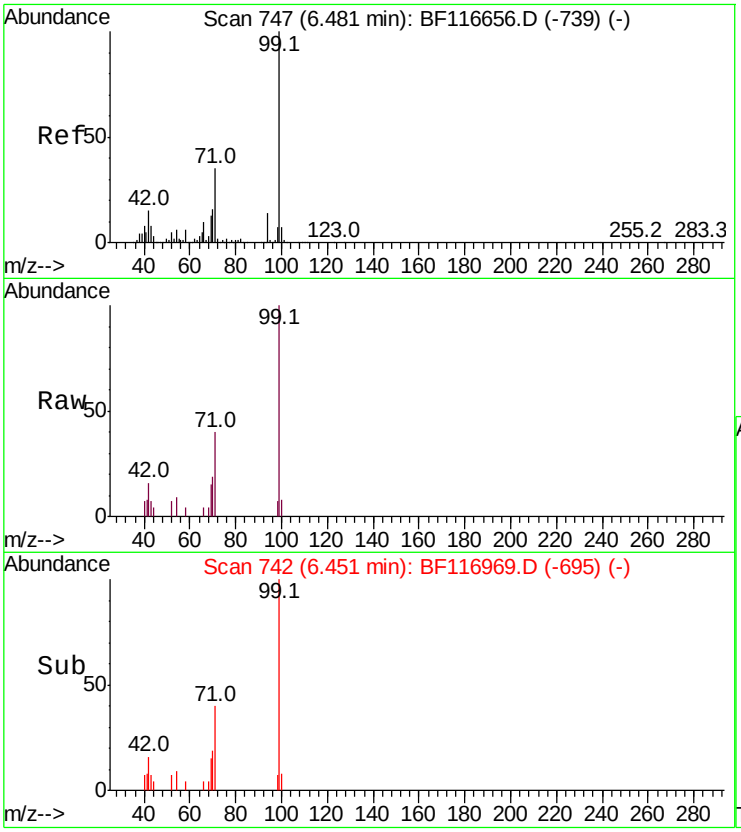


#5
2-Fluorophenol
Concen: 2.092 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:112 Resp: 8184

Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.1	70.7
63	22.2	24.9	37.3#



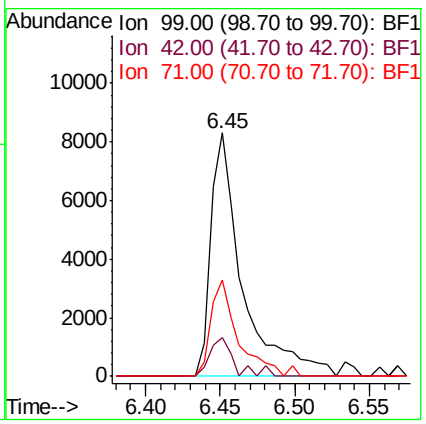


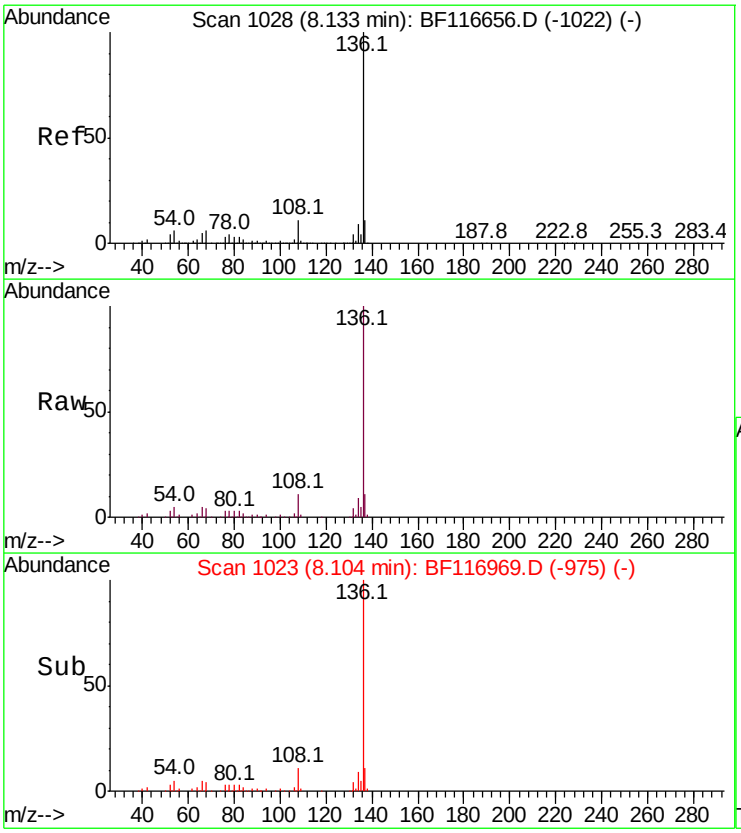
#7
Phenol-d6
Concen: 2.387 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 12259

Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.7	20.5
71	39.5	30.8	46.2

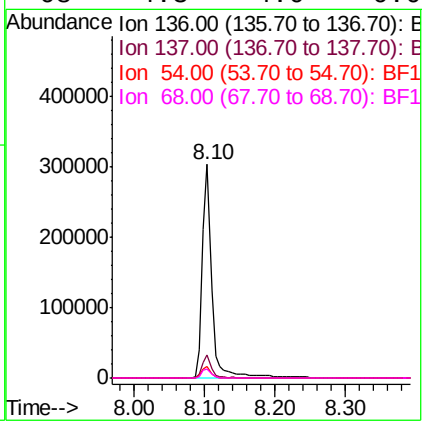


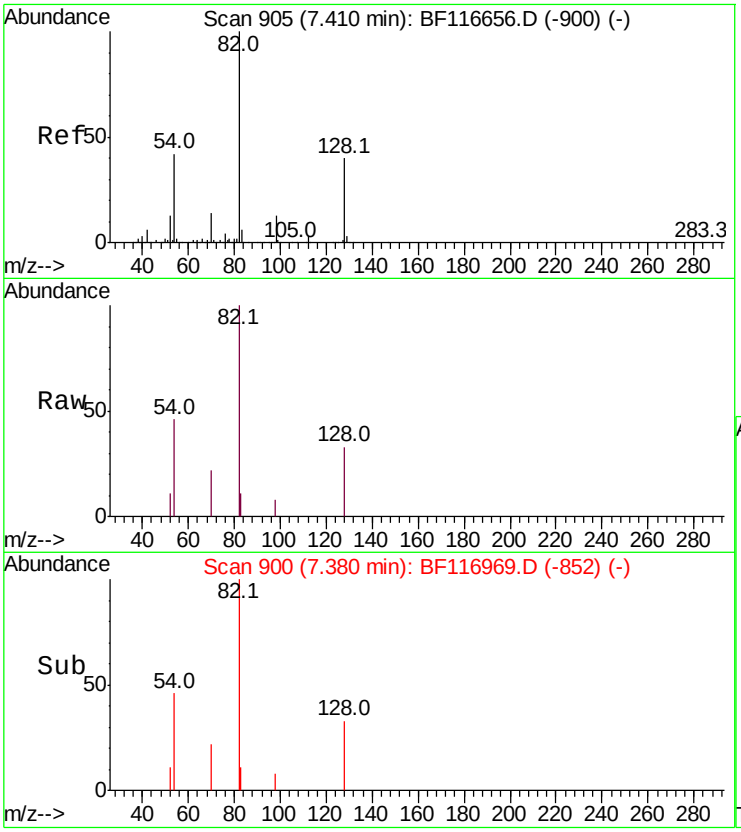


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:136 Resp: 286326

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	5.4	4.8	7.2
68	4.3	4.0	6.0



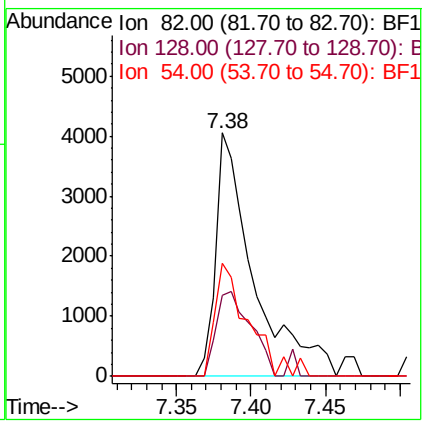


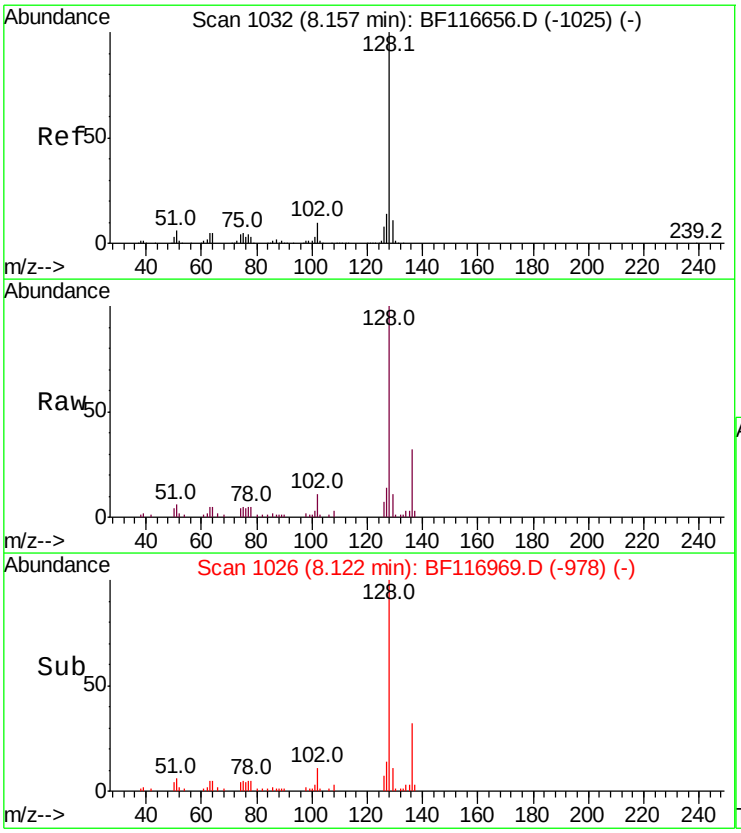
#23
Nitrobenzene-d5
Concen: 1.439 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 7215

Ion	Ratio	Lower	Upper
82	100		
128	33.3	32.8	49.2
54	46.5	36.9	55.3

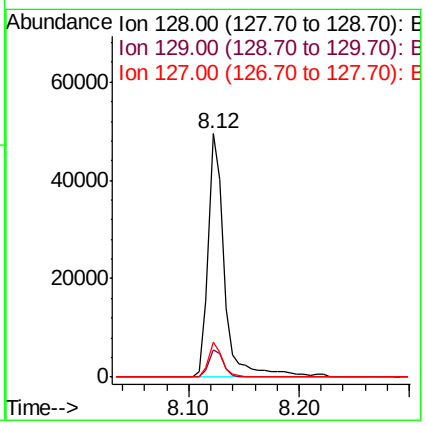


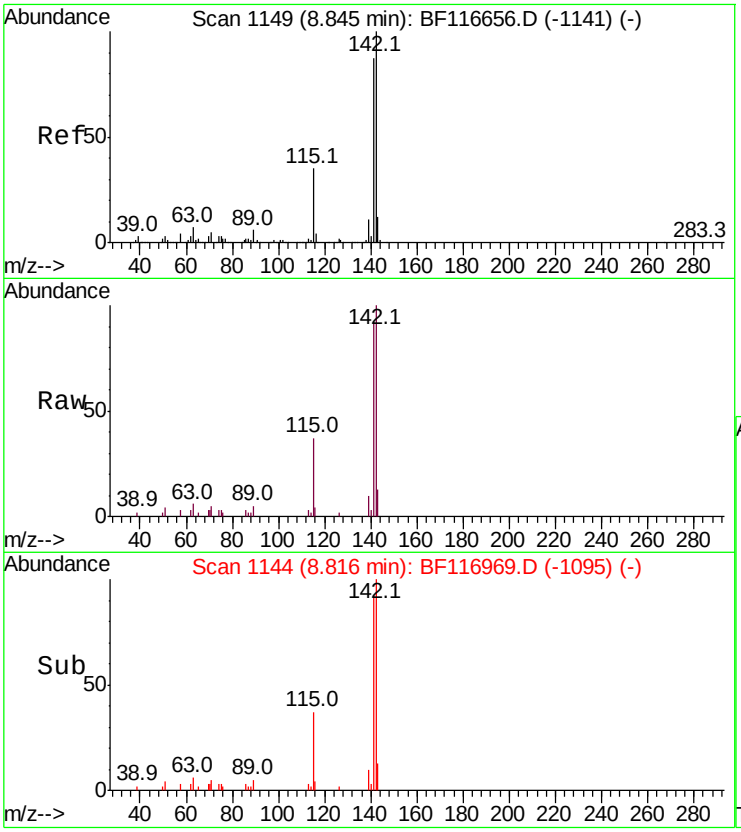


#31
Naphthalene
Concen: 3.659 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:128 Resp: 49817

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	14.4	10.4	15.6



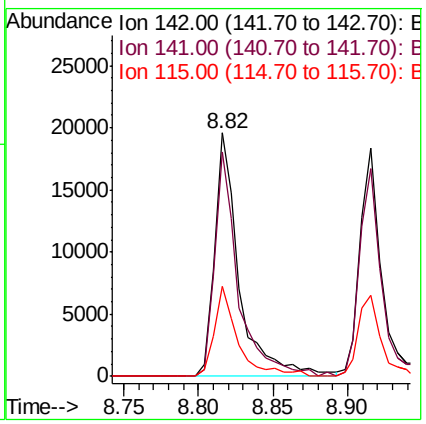


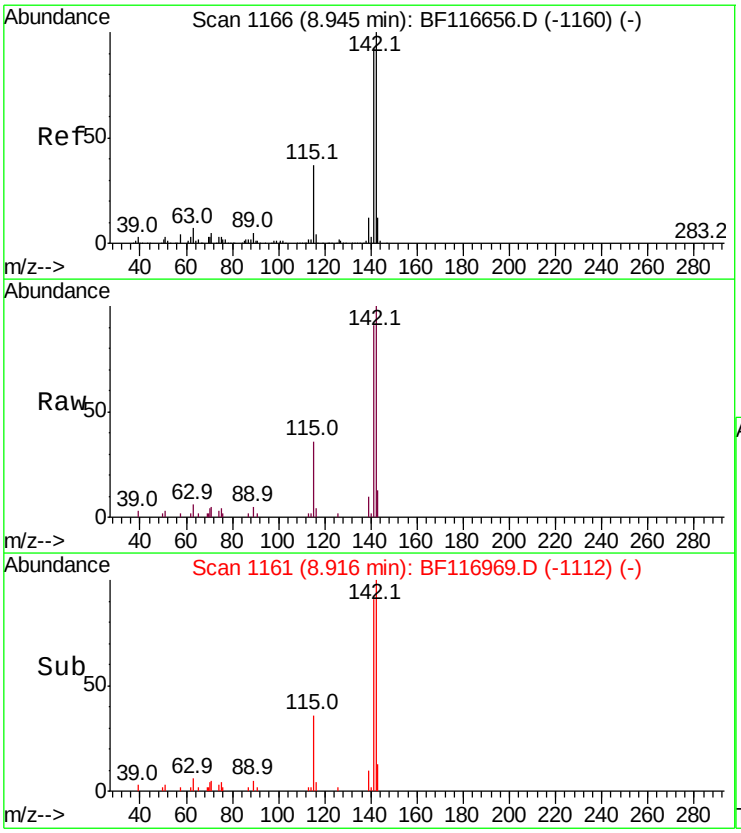
#37
2-Methylnaphthalene
Concen: 2.482 ng
RT: 8.82 min Scan# 1144
Delta R.T. -0.01 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 22486

Ion	Ratio	Lower	Upper
142	100		
141	92.3	72.6	109.0
115	36.7	29.8	44.6

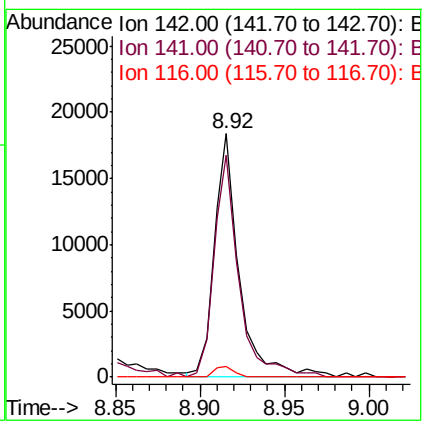


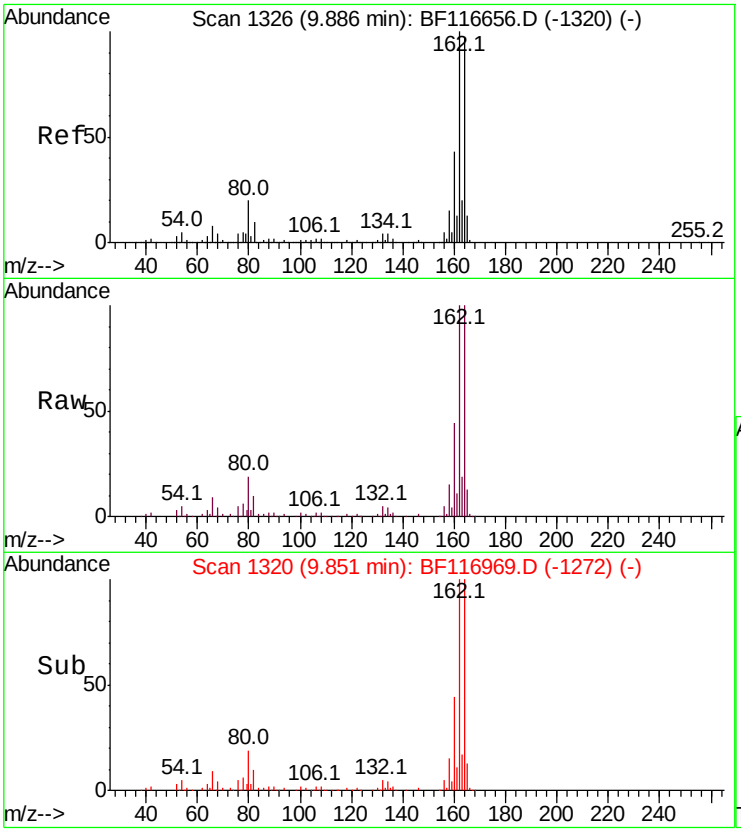


#38
1-Methylnaphthalene
Concen: 2.217 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:142 Resp: 18961

Ion	Ratio	Lower	Upper
142	100		
141	91.0	73.9	110.9
116	4.2	3.0	4.6



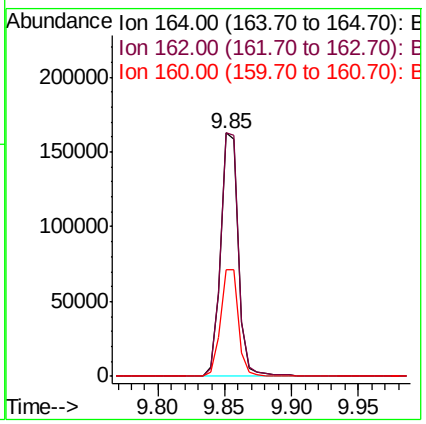


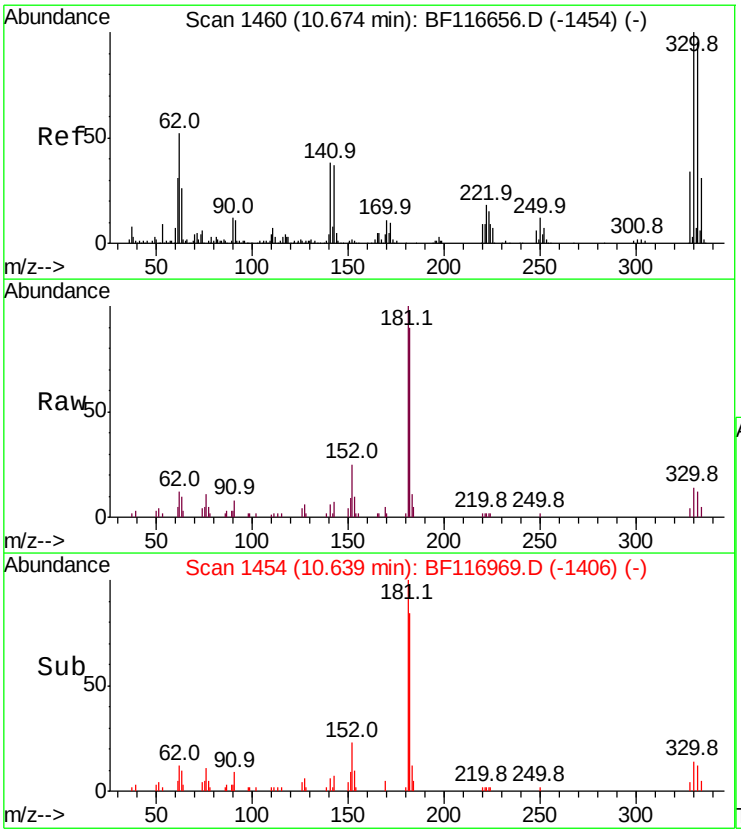
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 152800

Ion	Ratio	Lower	Upper
164	100		
162	100.0	81.4	122.0
160	43.7	35.4	53.2

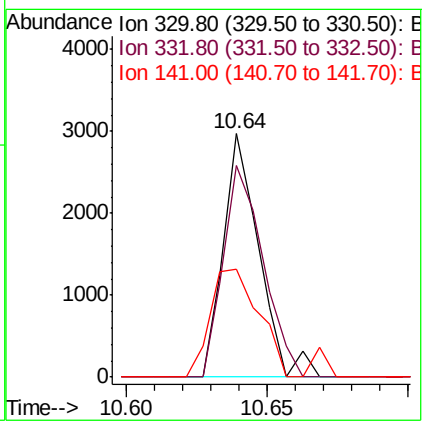


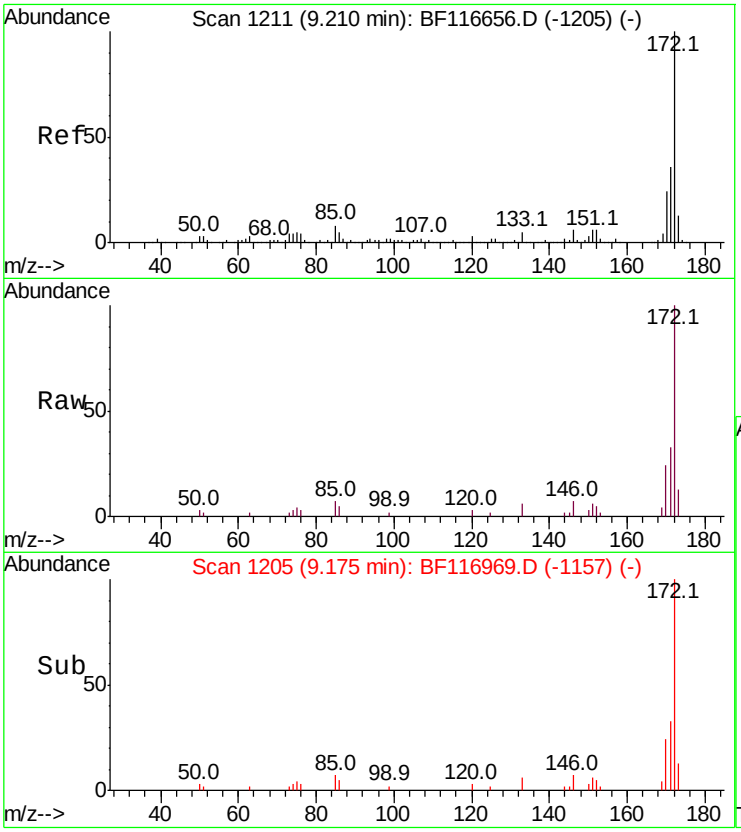


#42
2,4,6-Tribromophenol
Concen: 2.543 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:330 Resp: 2598

Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.9	115.3
141	61.0	31.4	47.2#



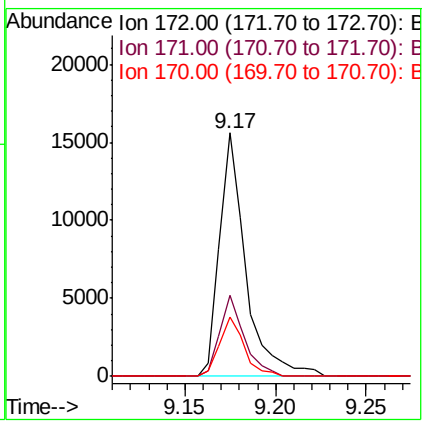


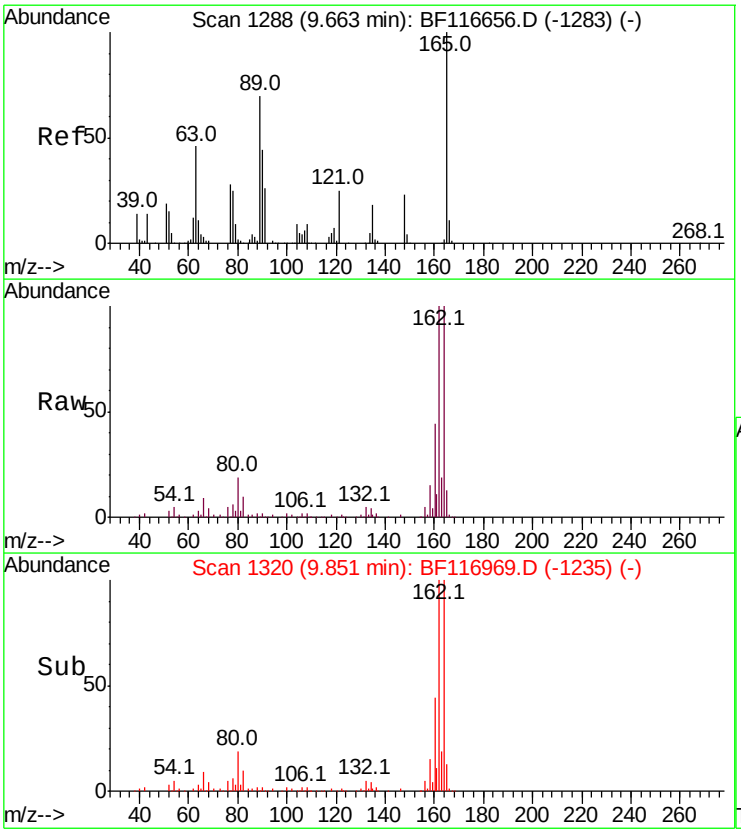
#45
2-Fluorobiphenyl
Concen: 1.734 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 15705

Ion	Ratio	Lower	Upper
172	100		
171	33.3	27.8	41.6
170	24.4	18.9	28.3

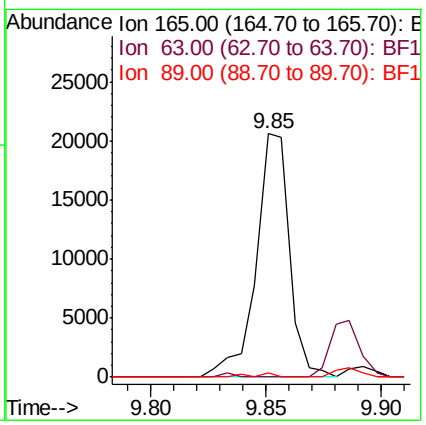


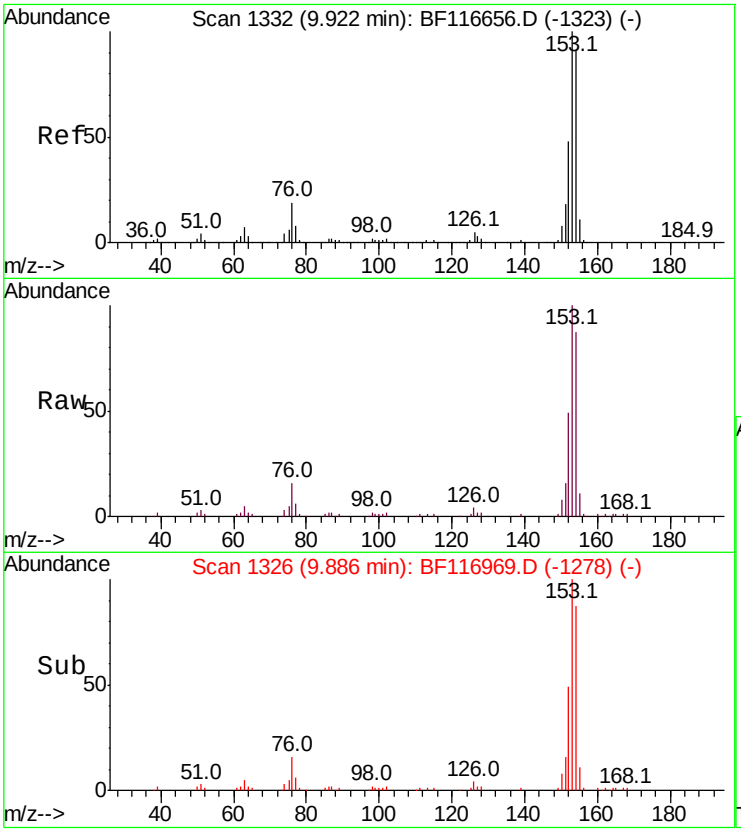


#51
2,6-Dinitrotoluene
Concen: 10.313 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.20 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:165 Resp: 20757

Ion	Ratio	Lower	Upper
165	100		
63	0.0	47.3	70.9#
89	1.6	52.5	78.7#



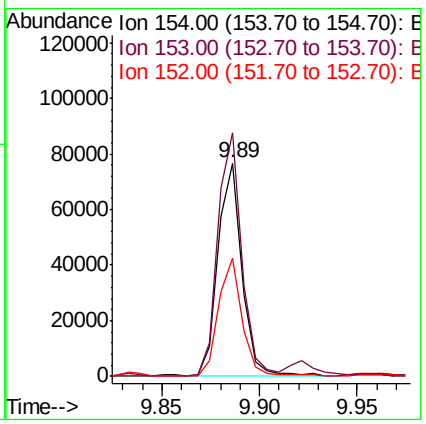


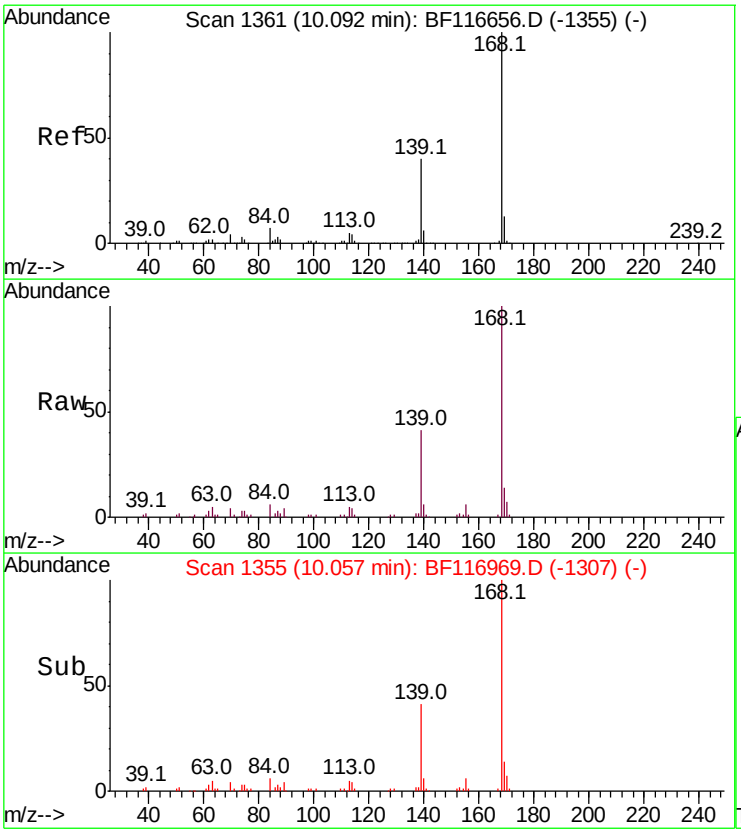
#52
Acenaphthene
Concen: 7.692 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 65609

Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.5	134.3
152	55.5	41.9	62.9

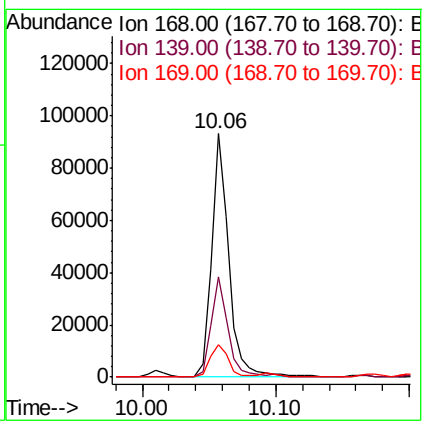


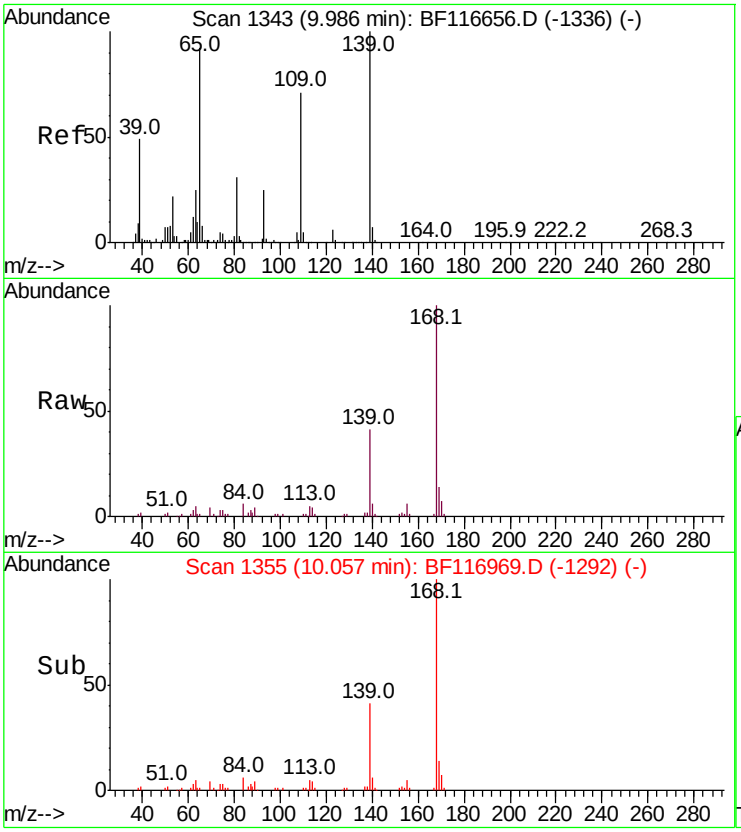


#55
Dibenzofuran
Concen: 7.034 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:168 Resp: 84574

Ion	Ratio	Lower	Upper
168	100		
139	41.4	31.5	47.3
169	13.6	10.3	15.5



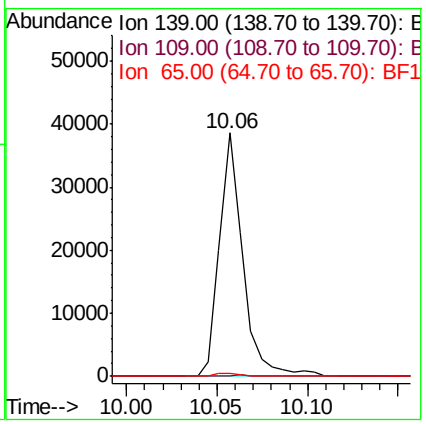


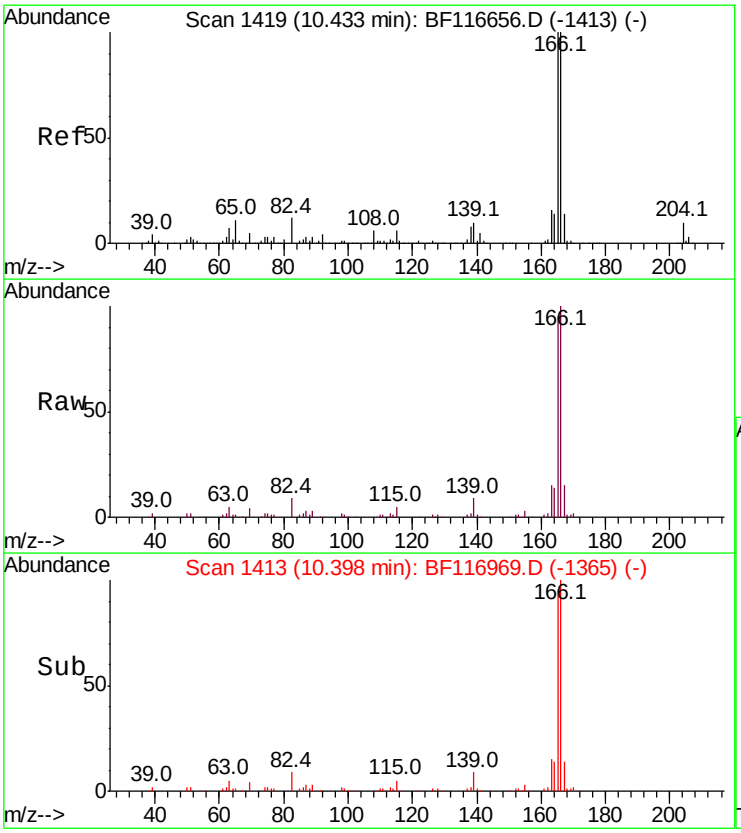
#56
4-Nitrophenol
Concen: 20.103 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.07 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 34769

Ion	Ratio	Lower	Upper
139	100		
109	0.0	61.7	101.7#
65	1.4	89.1	129.1#

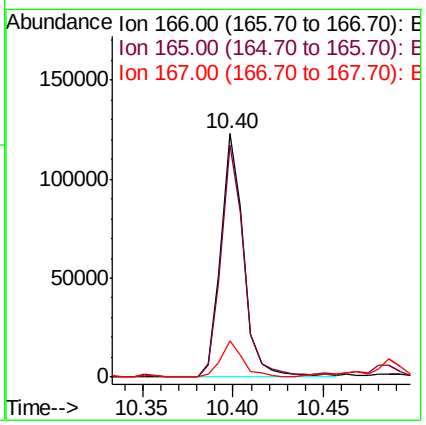


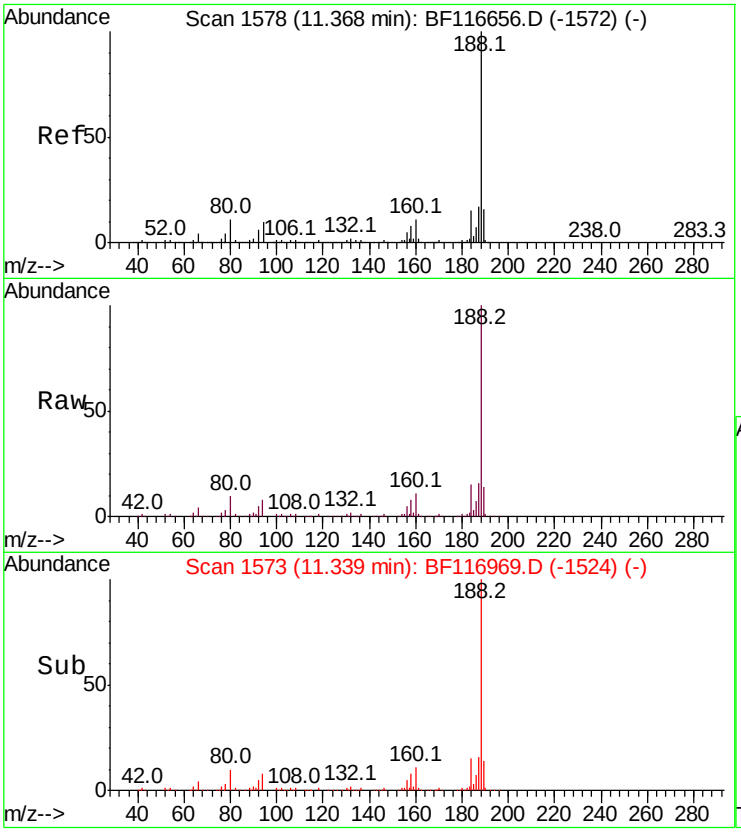


#58
Fluorene
Concen: 11.842 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:166 Resp: 108492

Ion	Ratio	Lower	Upper
166	100		
165	95.5	78.8	118.2
167	14.7	10.0	15.0



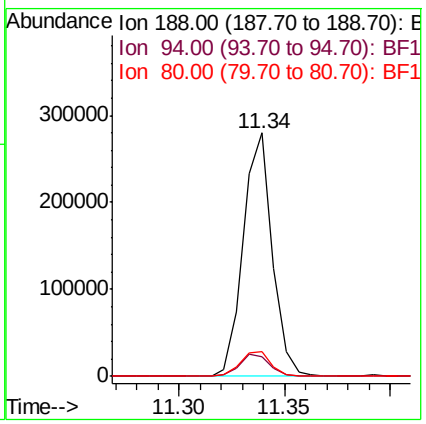


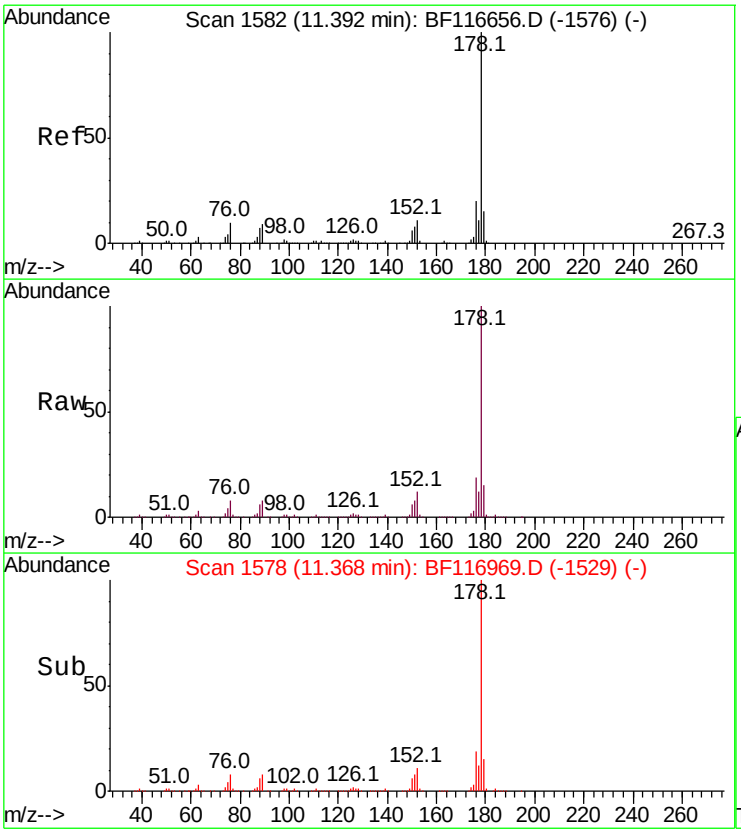
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 267414

Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.3	10.9
80	10.0	8.4	12.6

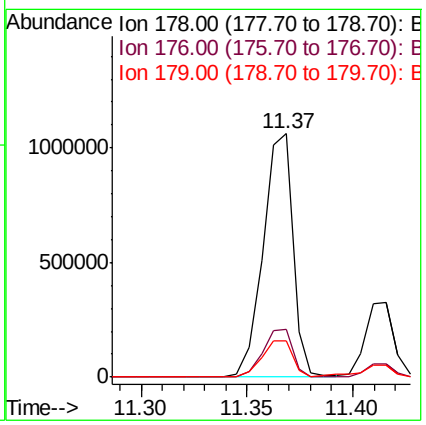


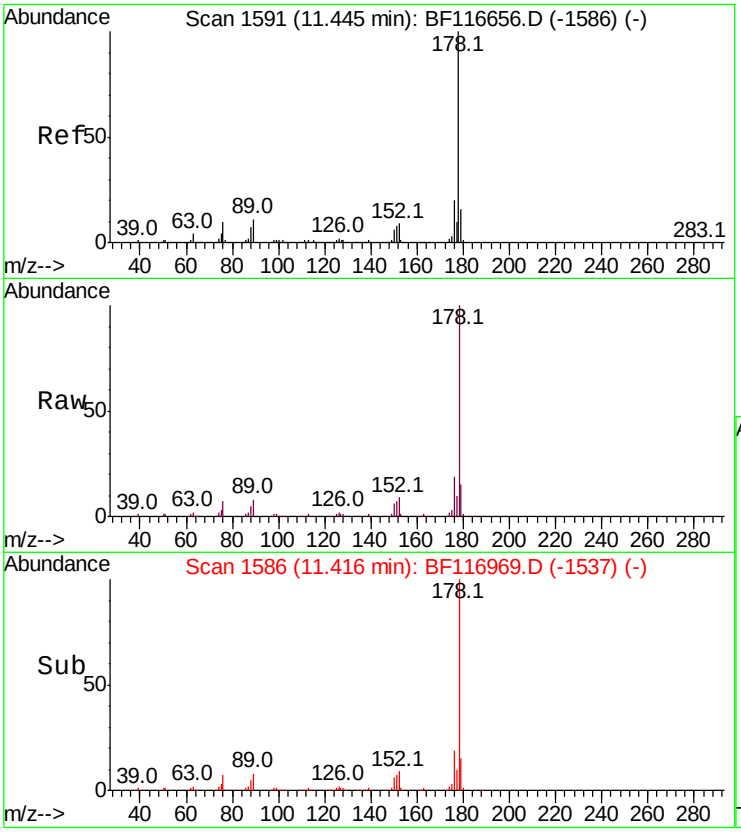


#71
Phenanthrene
Concen: 70.090 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:178 Resp: 1043354

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.1	12.2	18.2



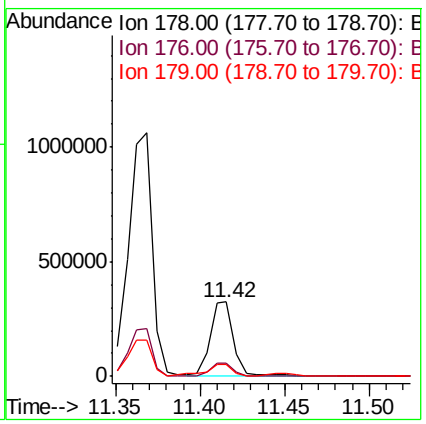


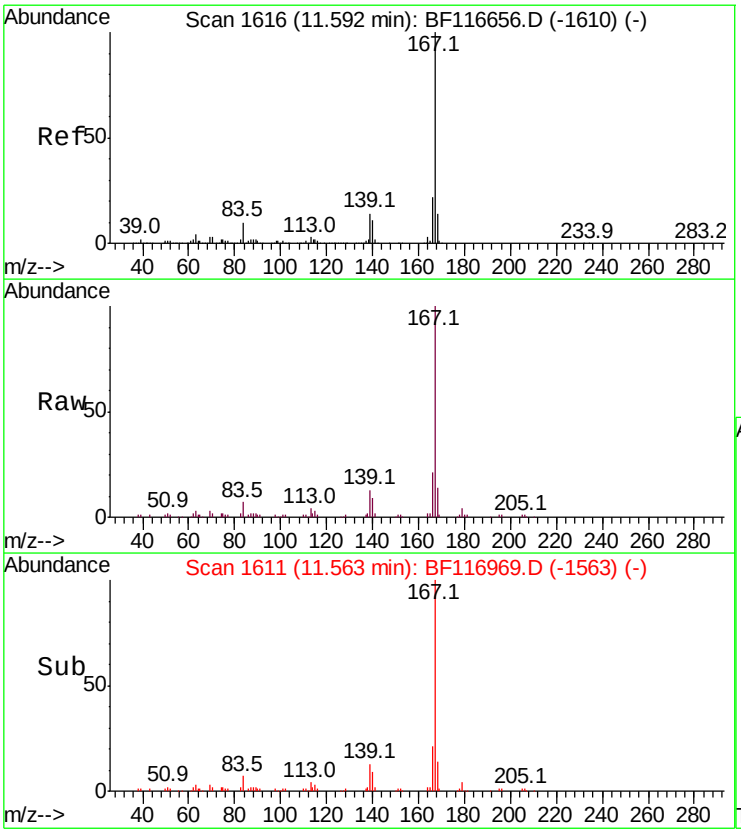
#72
Anthracene
Concen: 20.987 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 314479

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	15.4	12.5	18.7

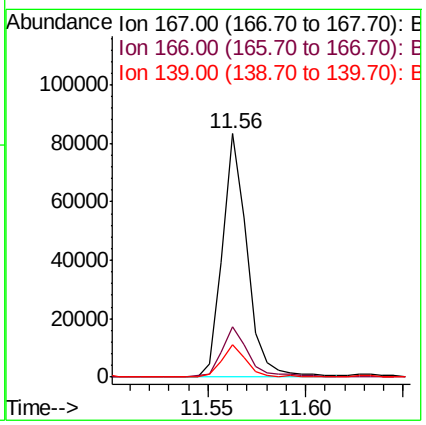


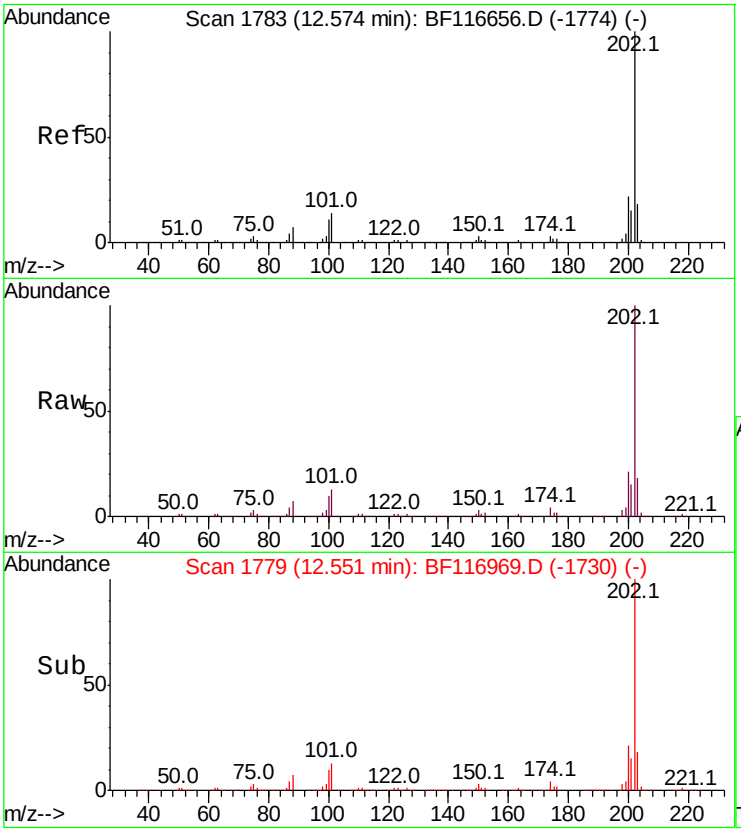


#73
Carbazole
Concen: 5.147 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:167 Resp: 73473

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.8	26.6
139	13.4	11.1	16.7



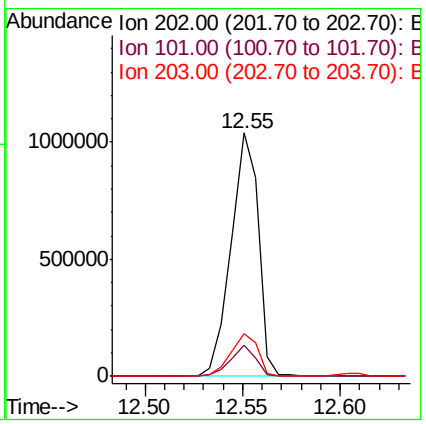


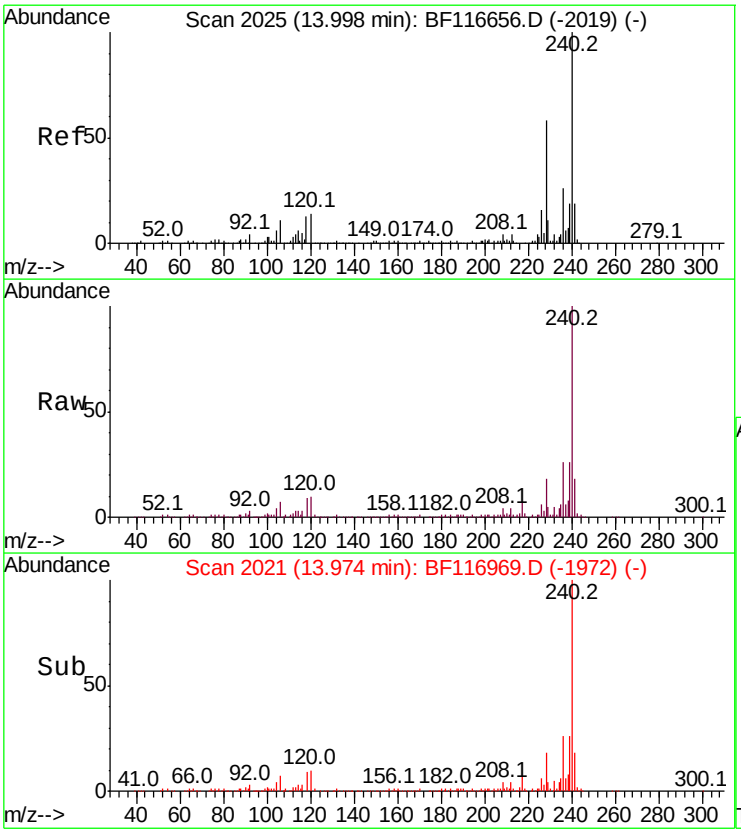
#75
Fluoranthene
Concen: 69.279 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1013499

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	31.3
203	17.6	0.0	37.6

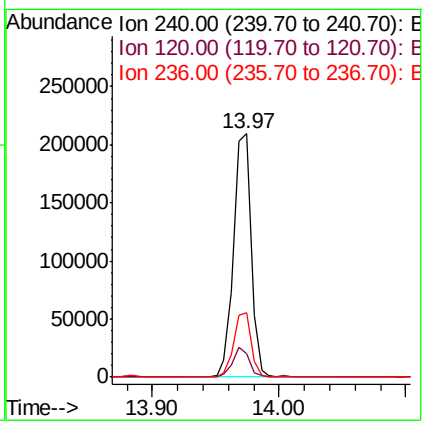


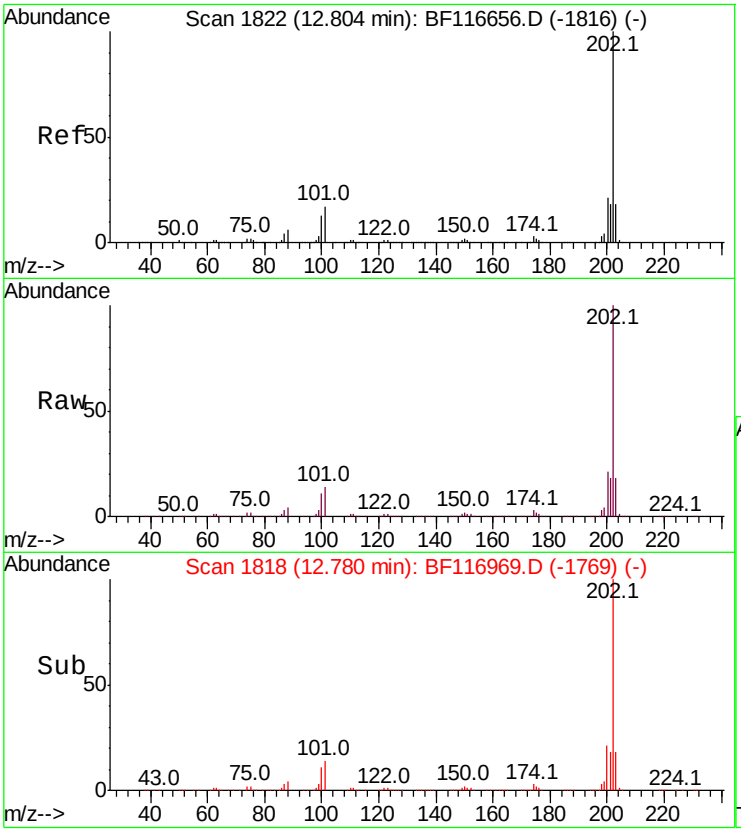


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:240 Resp: 199794

Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.1	13.7
236	26.3	21.1	31.7



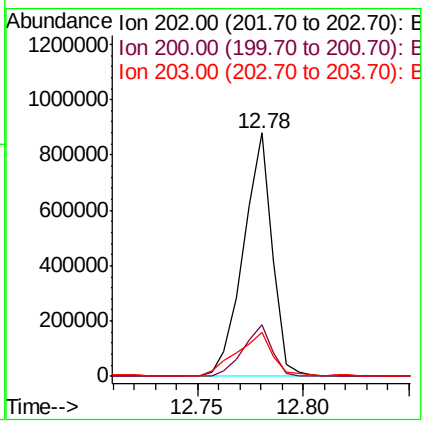


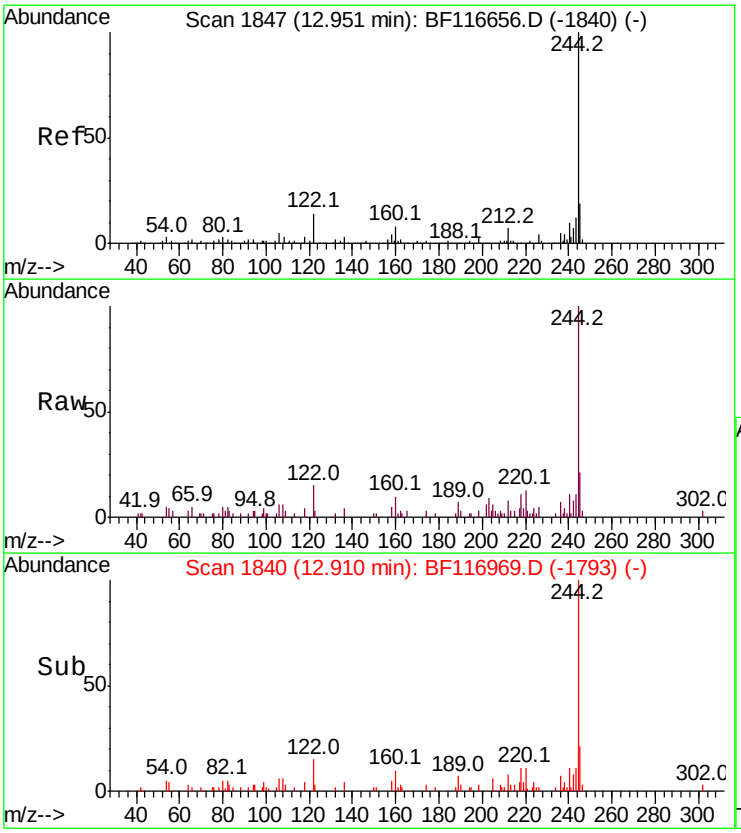
#78
Pyrene
Concen: 46.990 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 834554

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.5	24.7
203	17.8	13.7	20.5

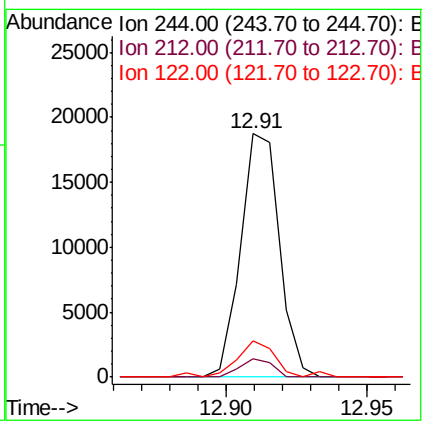


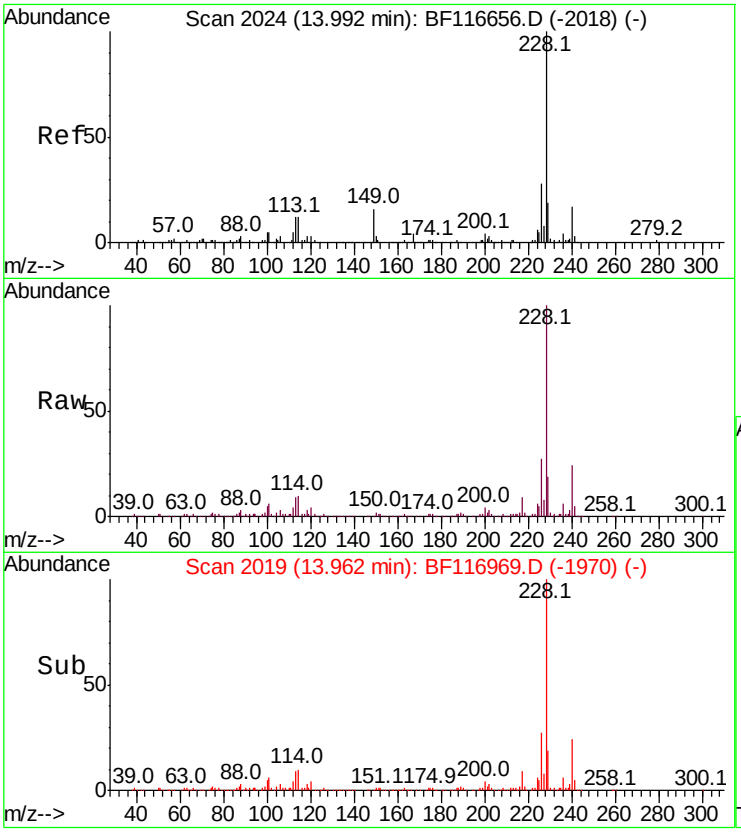


#79
Terphenyl-d14
Concen: 1.647 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:244 Resp: 17787

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	14.6	10.2	15.4



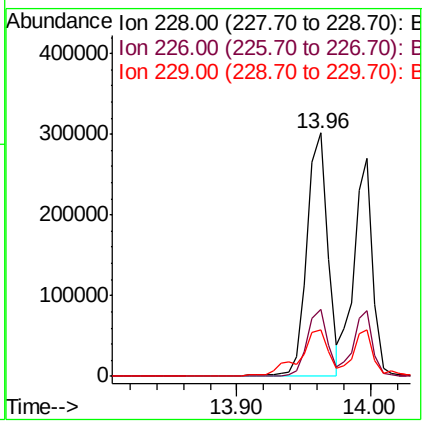


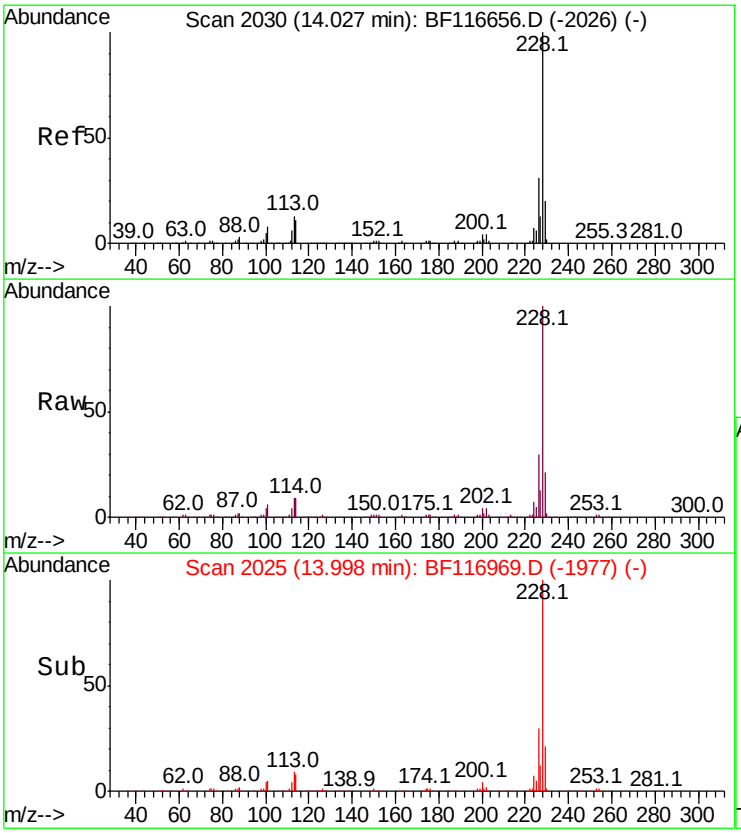
#81
Benzo(a)anthracene
Concen: 25.131 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 317773

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.0	33.0
229	19.3	16.4	24.6

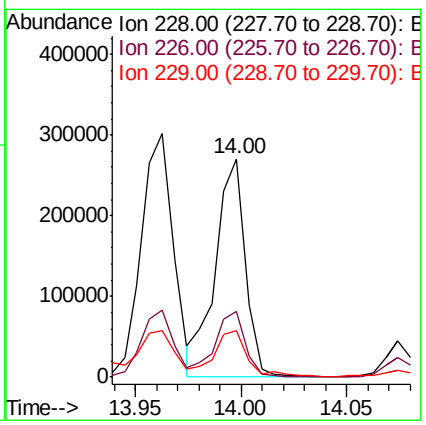


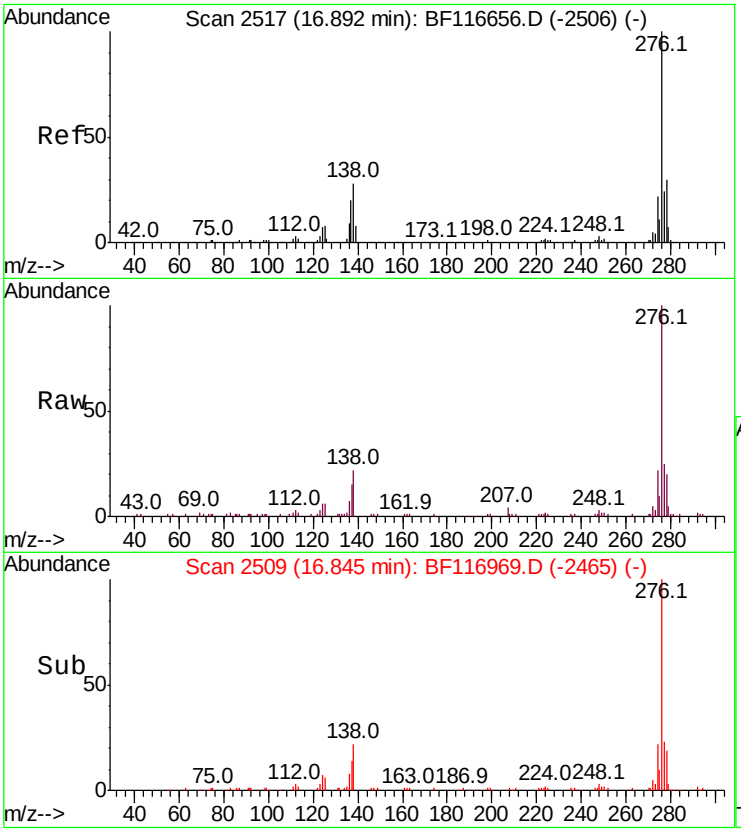


#83
Chrysene
Concen: 20.474 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:228 Resp: 266723

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	21.5	15.4	23.0



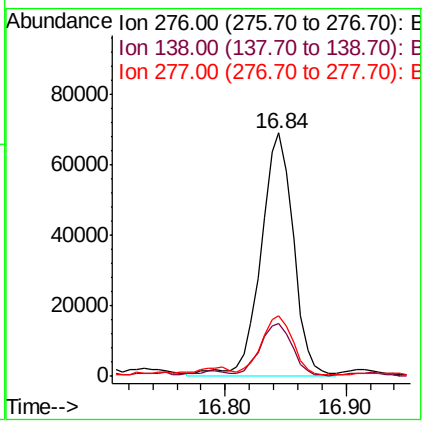


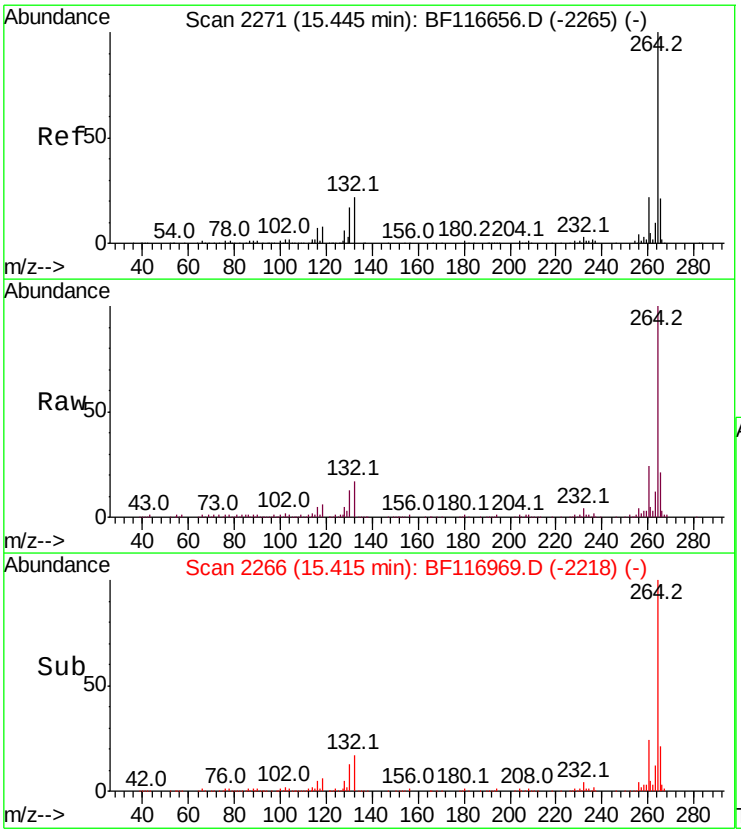
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.389 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.04 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 129633

Ion	Ratio	Lower	Upper
276	100		
138	21.6	19.4	29.2
277	24.5	20.5	30.7

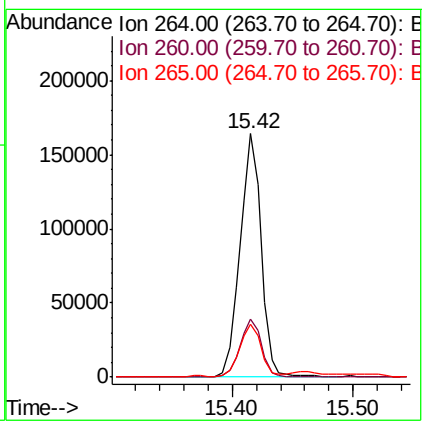


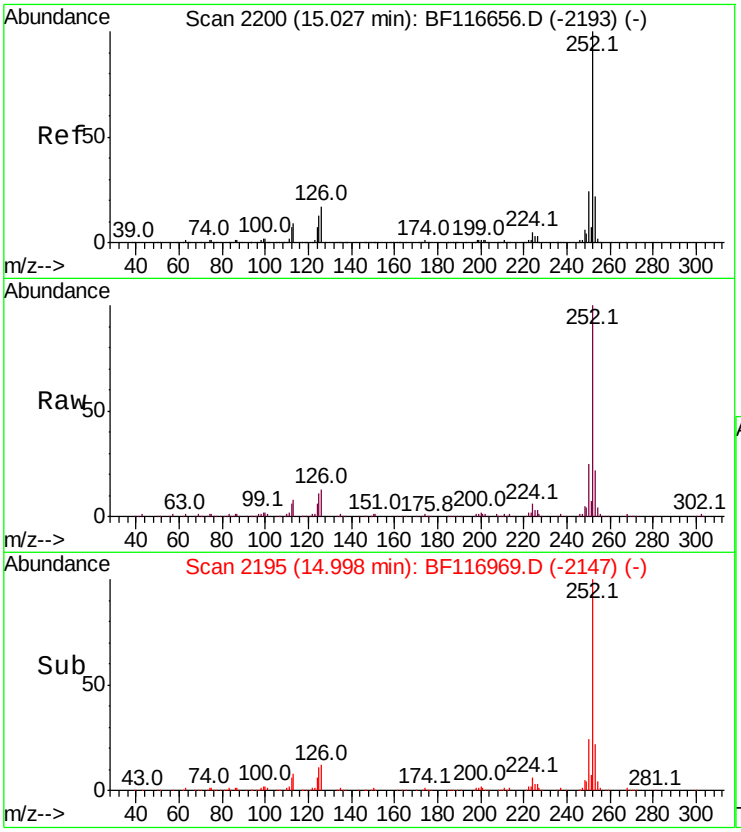


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:264 Resp: 200904

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.3	27.5
265	21.5	16.5	24.7



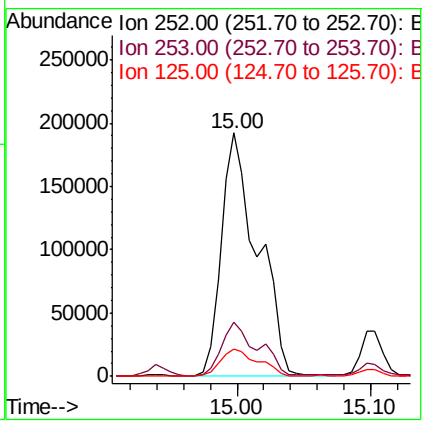


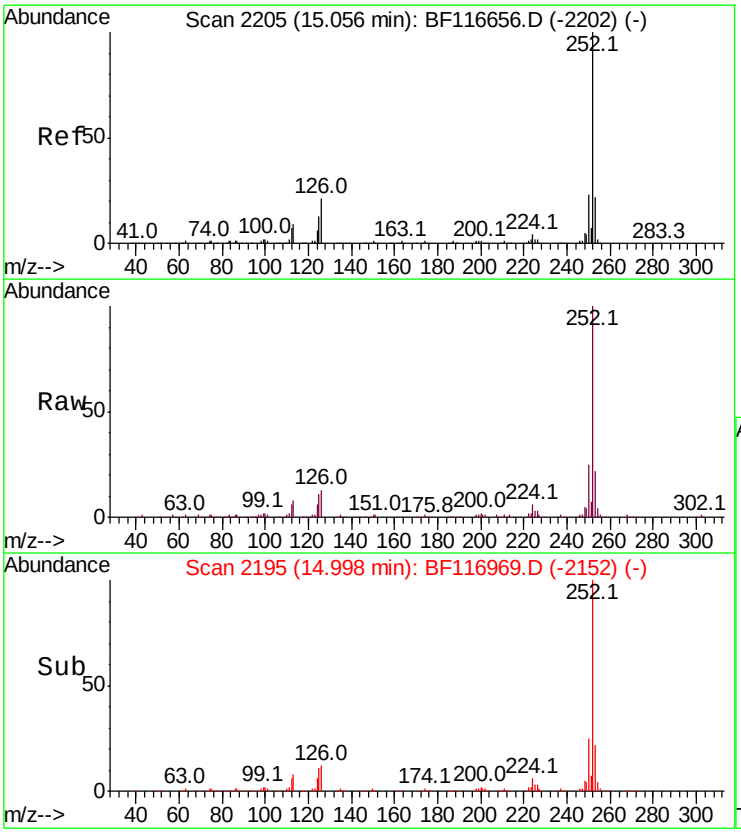
#88
Benzo(b)fluoranthene
Concen: 29.897 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 363137

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.1	8.2	12.2

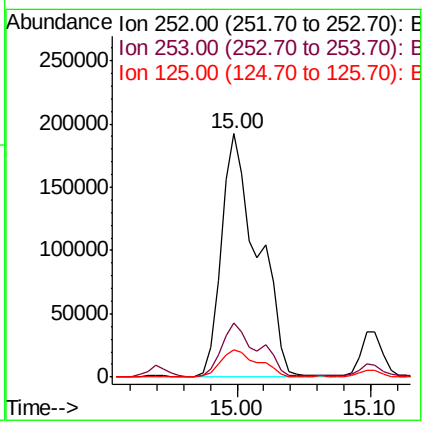


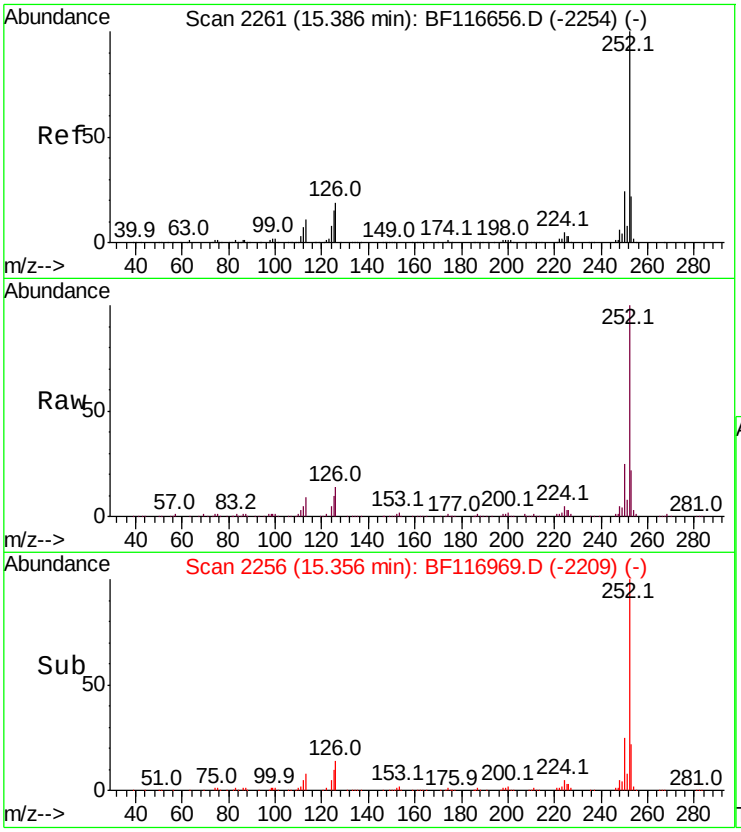


#89
Benzo(k)fluoranthene
Concen: 32.790 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:252 Resp: 363137

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.1	8.6	13.0



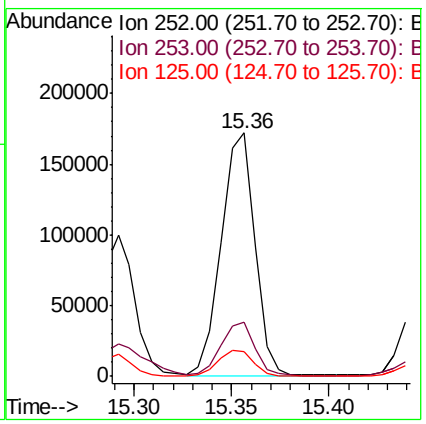


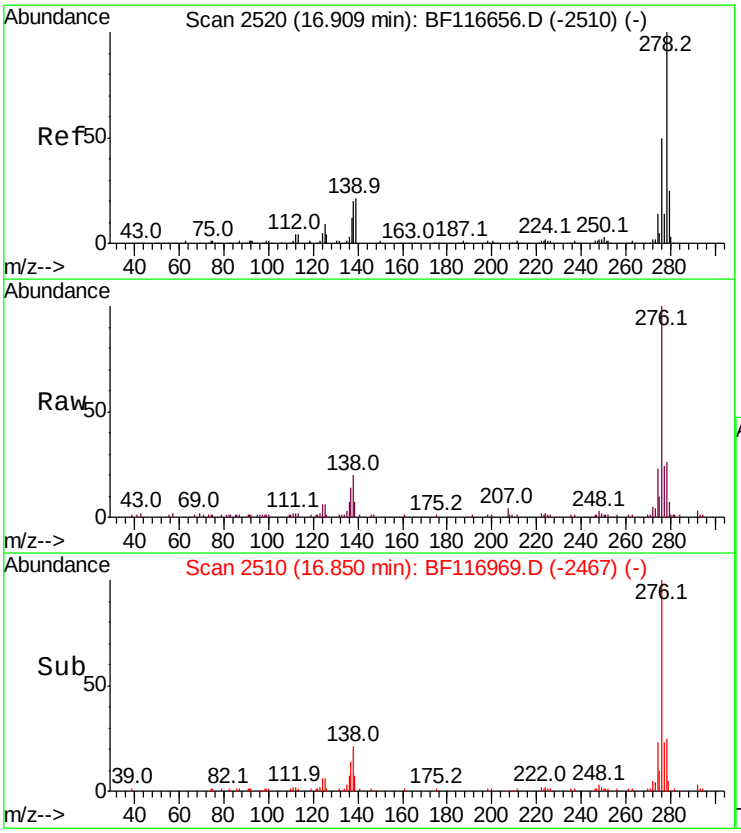
#90
Benzo(a)pyrene
Concen: 19.462 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.02 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 205663

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	10.4	9.8	14.8

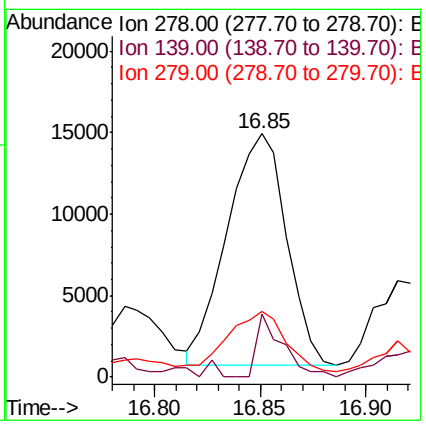


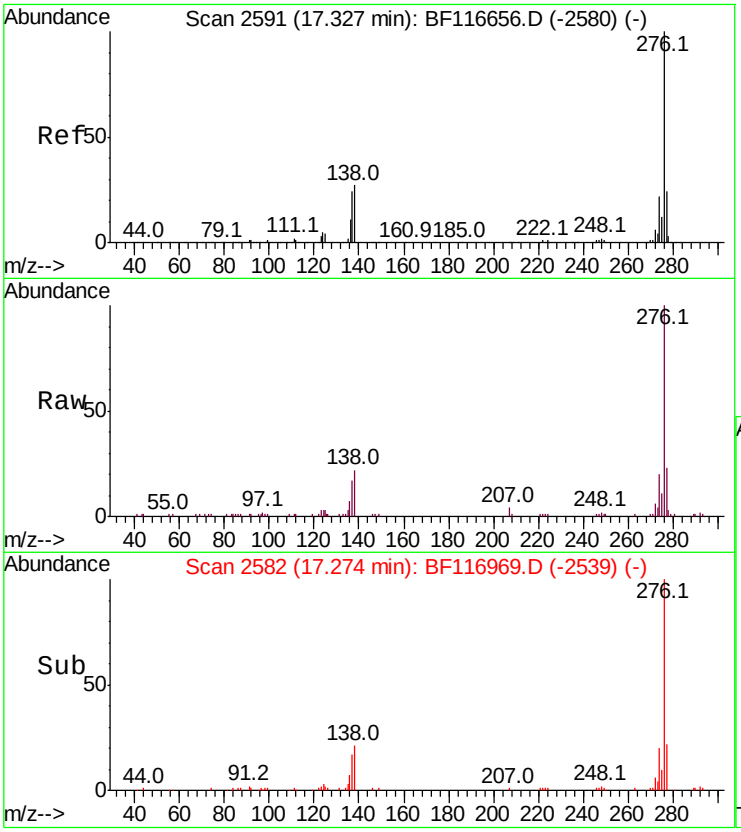


#91
Dibenzo(a,h)anthracene
Concen: 3.000 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.05 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Tgt Ion:278 Resp: 27752

Ion	Ratio	Lower	Upper
278	100		
139	26.1	12.4	18.6#
279	26.8	18.2	27.4





#92
Benzo(g,h,i)perylene
Concen: 12.045 ng
RT: 17.27 min Scan# 2582
Delta R.T. -0.05 min
Lab File: BF116969.D
Acq: 12 Sep 2019 1:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 113625

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.5	27.7
138	22.3	16.2	24.2