Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116967.D
Acq On : 12 Sep 2019 00:41
Operator : HP/JU
Sample : K4787-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Sep 12 07:08:00 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	67844	20.00	ng		-0.01
21) Naphthalene-d8	8.10	136	271345	20.00	ng		-0.02
39) Acenaphthene-d10	9.85	164	143684	20.00	ng		-0.02
64) Phenanthrene-d10	11.33	188	234912	20.00	ng		-0.02
76) Chrysene-d12	13.97	240	144629	20.00	ng		-0.01
87) Perylene-d12	15.43	264	165878	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	495116	118.23	ng		0.00
7) Phenol-d6	6.46	99	670700	121.97	ng		-0.02
23) Nitrobenzene-d5	7.38	82	415490	87.41	ng		-0.02
42) 2,4,6-Tribromophenol	10.64	330	142222	148.06	ng		-0.02
45) 2-Fluorobiphenyl	9.17	172	717052	84.18	ng		-0.02
79) Terphenyl-d14	12.92	244	613949	78.53	ng		-0.01
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	55254	15.261	ng	#	71
25) Isophorone	7.38	82	415481	43.138	ng	#	66
50) Dimethylphthalate	9.57	163	61319	6.181	ng		97
57) 2,4-Dinitrotoluene	9.85	165	17822	7.701	ng	#	19
65) 4,6-Dinitro-2-methylphenol	10.64	198	283	7.727	ng	#	1
67) 4-Bromophenyl-phenylether	10.64	248	9440	3.956	ng	#	1
71) Phenanthrene	11.36	178	46243	3.536	ng		98
72) Anthracene	11.36	178	46243	3.513	ng		98
75) Fluoranthene	12.55	202	83104	6.467	ng		99
78) Pyrene	12.77	202	69458	5.403	ng		98
81) Benzo(a)anthracene	13.96	228	28774	3.143	ng		92
83) Chrysene	14.00	228	26419	2.801	ng	#	93
88) Benzo(b)fluoranthene	15.01	252	43193	4.307	ng	#	24
89) Benzo(k)fluoranthene	15.01	252	43193	4.724	ng	#	24
90) Benzo(a)pyrene	15.36	252	22981	2.634	ng	#	33

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

Quantitation Report (Not Reviewed)

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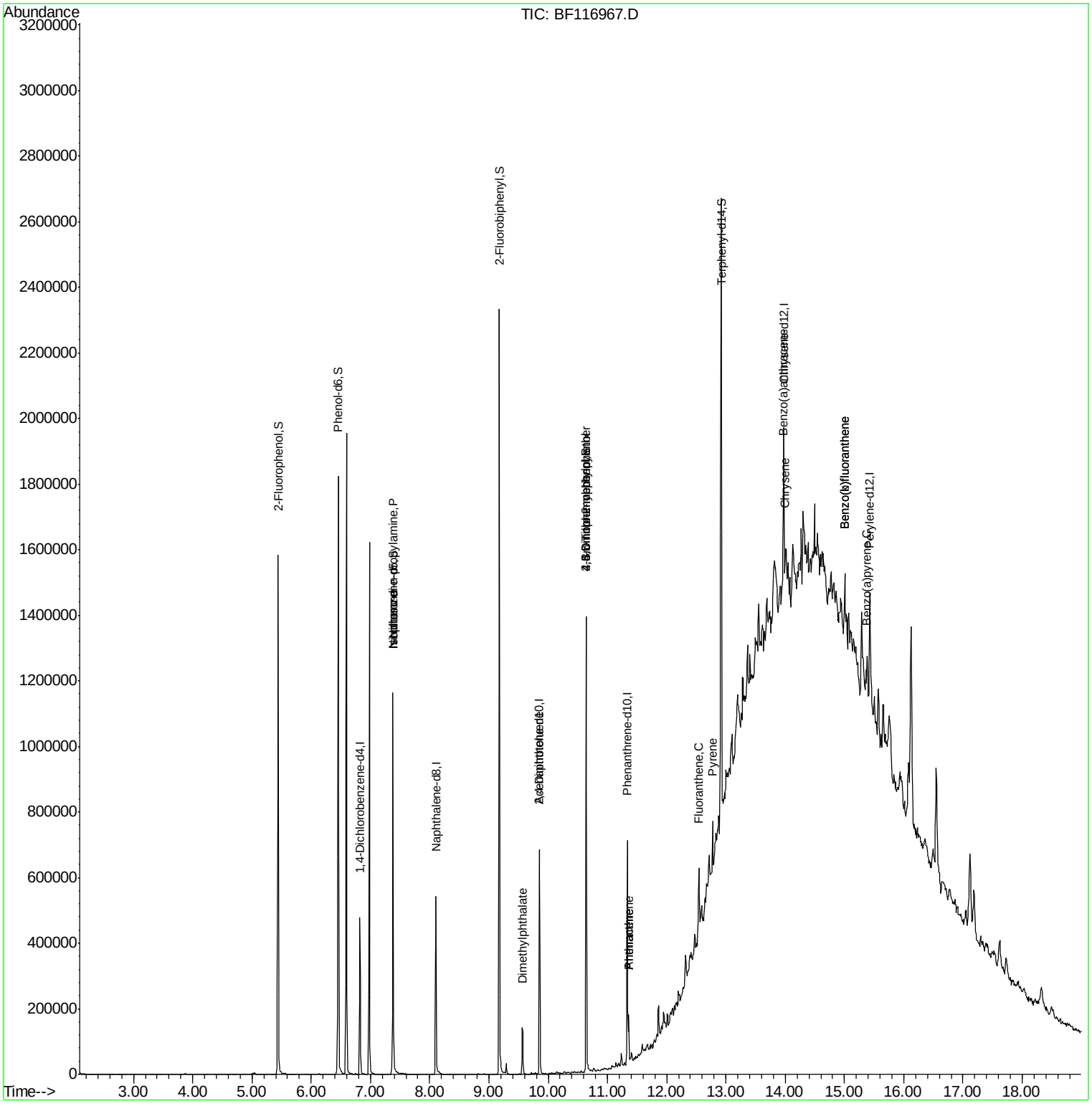
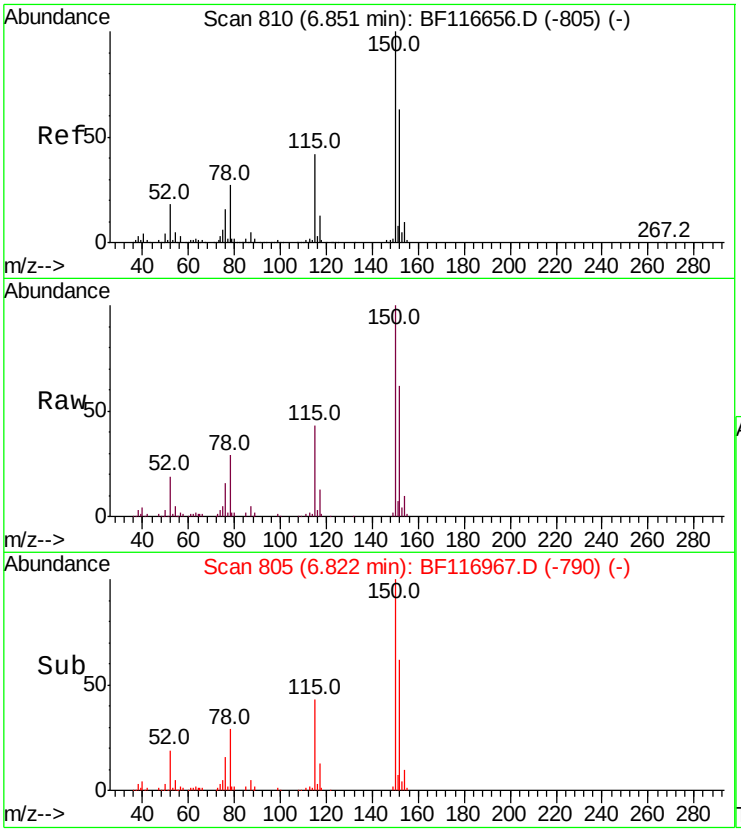


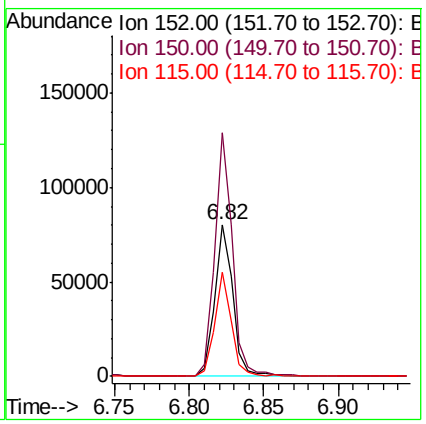


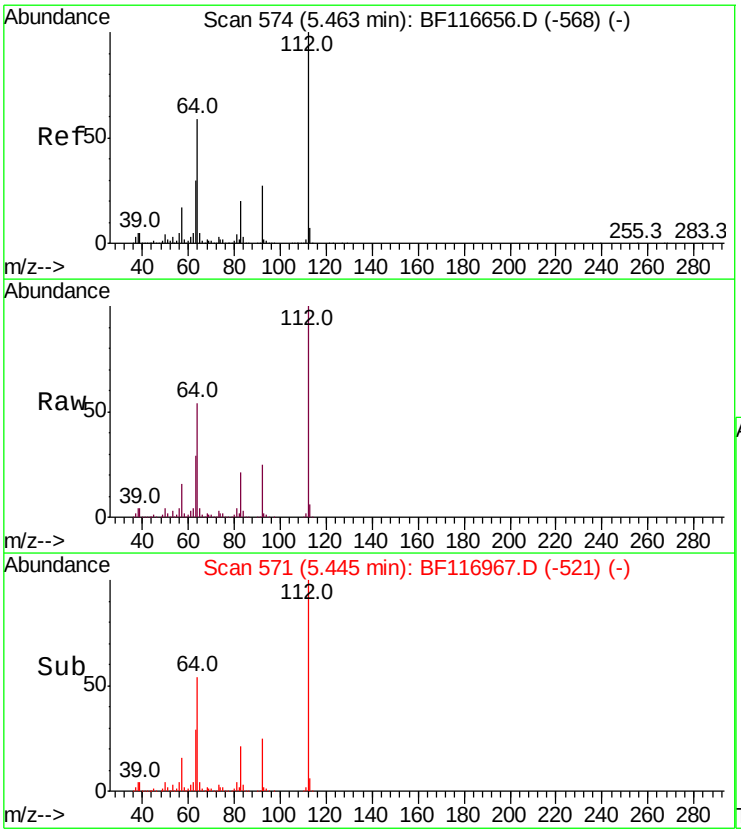
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 67844

Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.4	186.6
115	68.4	49.9	74.9

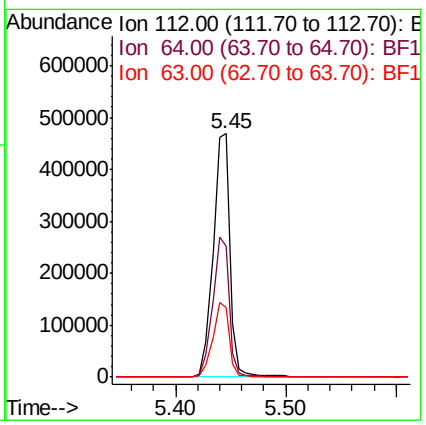


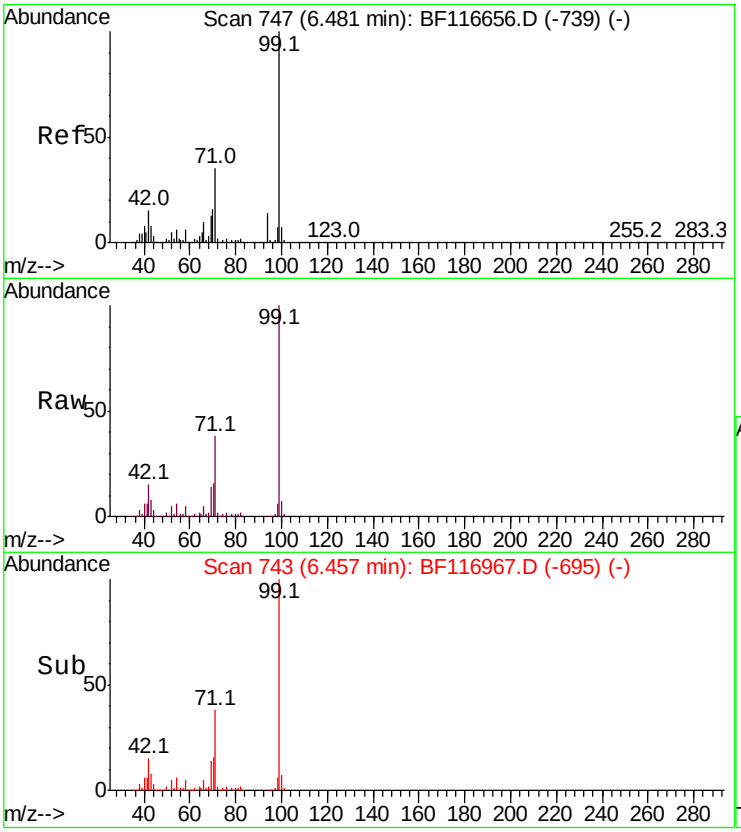


#5
2-Fluorophenol
Concen: 118.229 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion:112 Resp: 495116

Ion	Ratio	Lower	Upper
112	100		
64	54.0	47.1	70.7
63	28.7	24.9	37.3



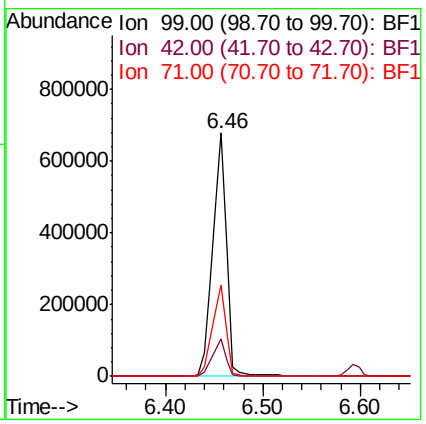


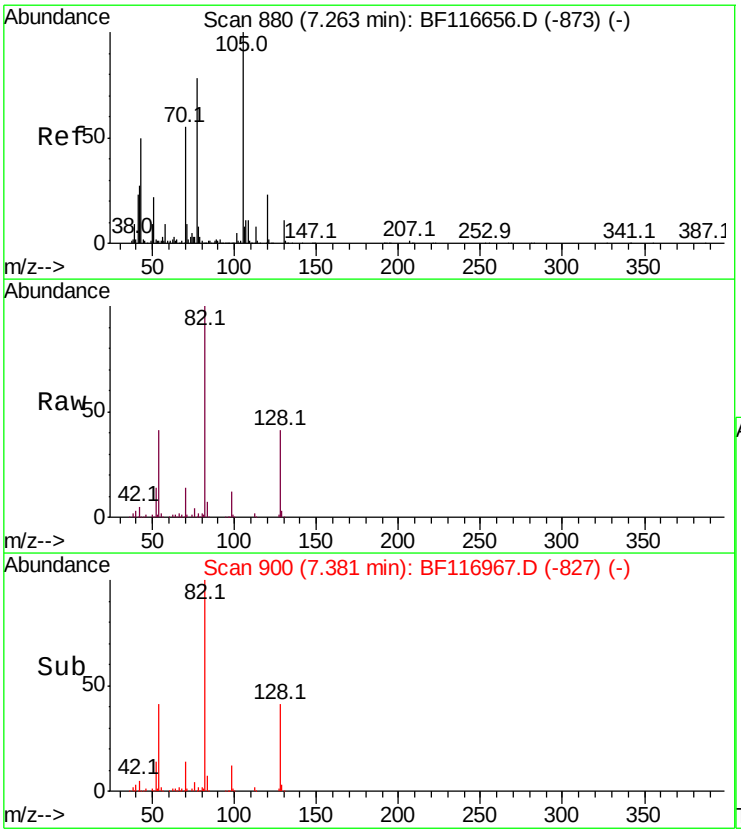
#7
Phenol-d6
Concen: 121.968 ng
RT: 6.46 min Scan# 743
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 670700

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.7	20.5
71	37.5	30.8	46.2

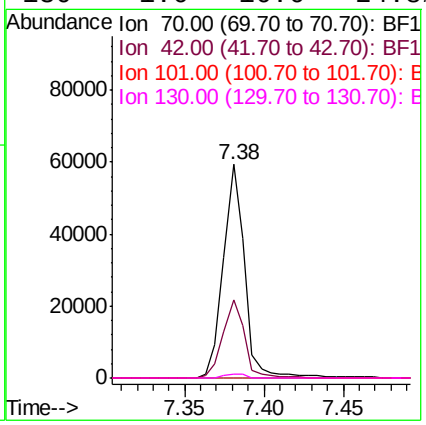


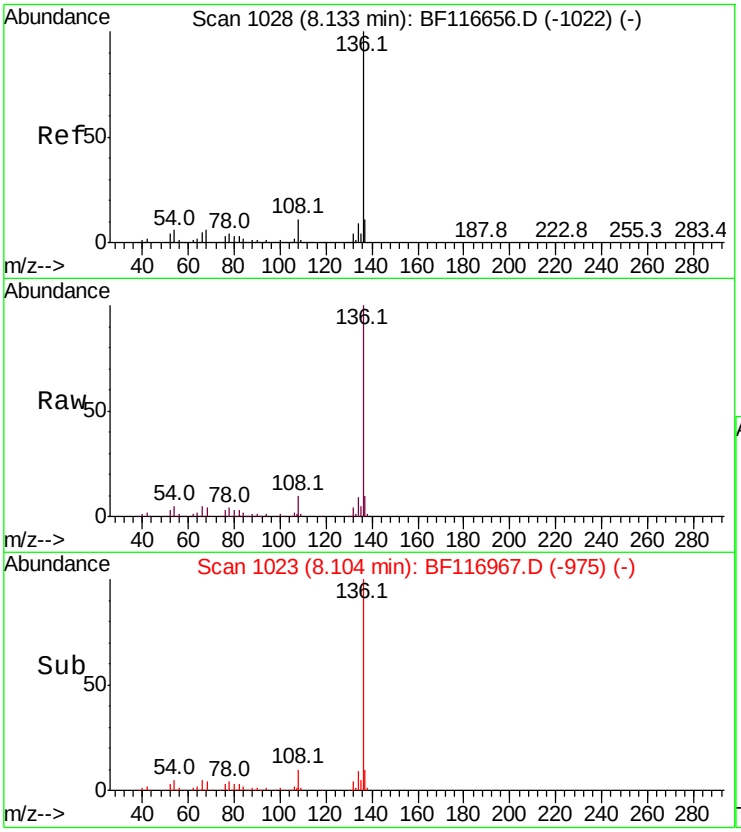


#19
n-Nitroso-di-n-propylamine
Concen: 15.261 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.13 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion: 70 Resp: 55254

Ion	Ratio	Lower	Upper
70	100		
42	36.3	43.5	65.3#
101	0.0	7.8	11.6#
130	1.6	16.6	24.8#



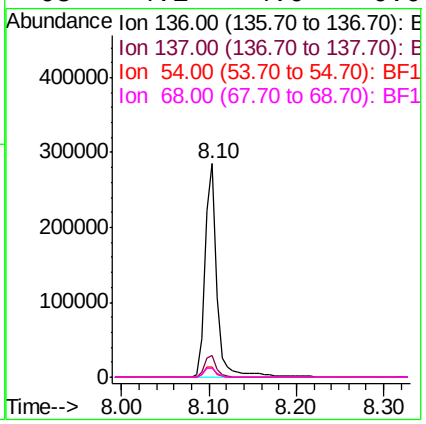


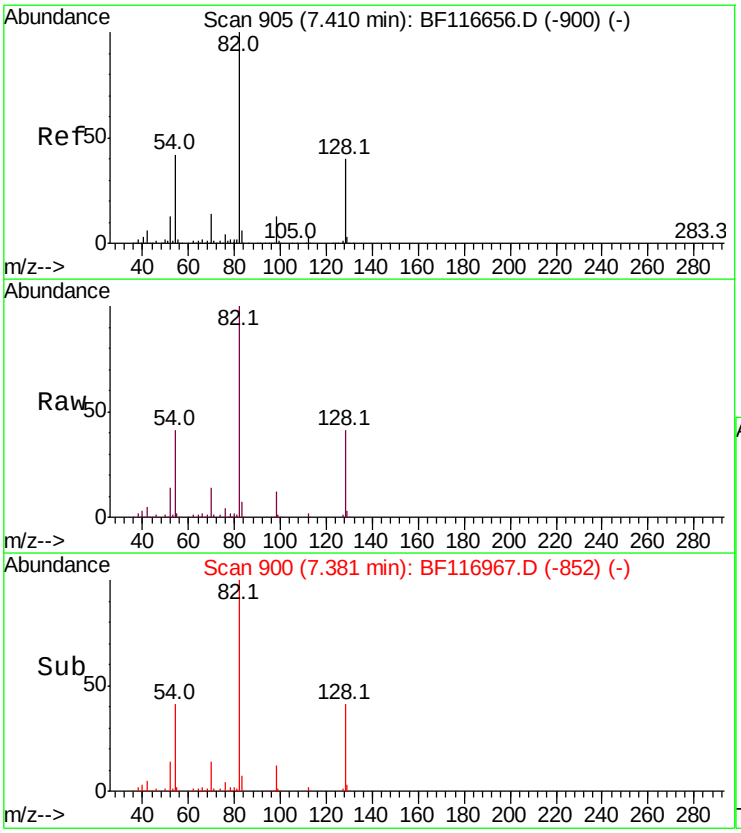
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 271345

Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.9	13.3
54	4.8	4.8	7.2
68	4.1	4.0	6.0

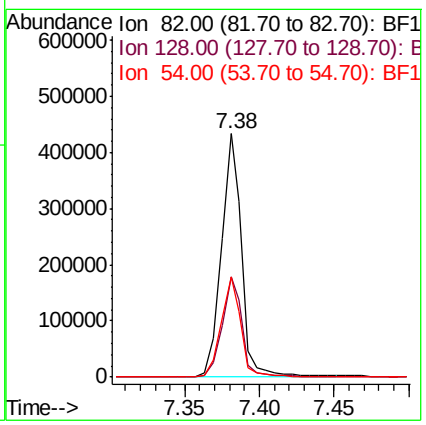


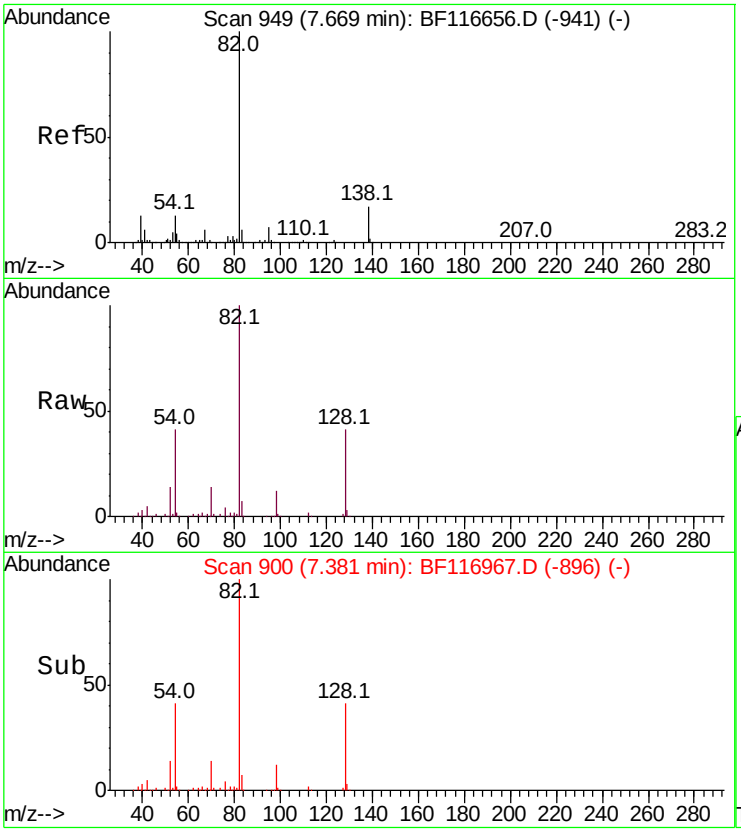


#23
Nitrobenzene-d5
Concen: 87.414 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion: 82 Resp: 415490

Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.8	49.2
54	41.4	36.9	55.3



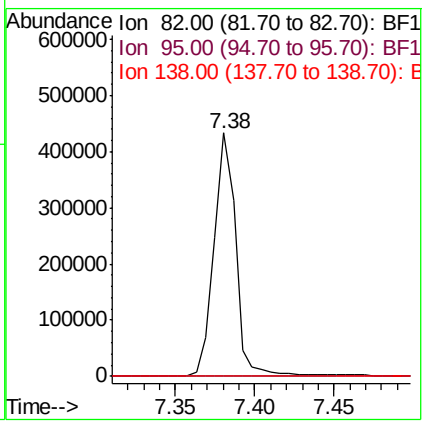


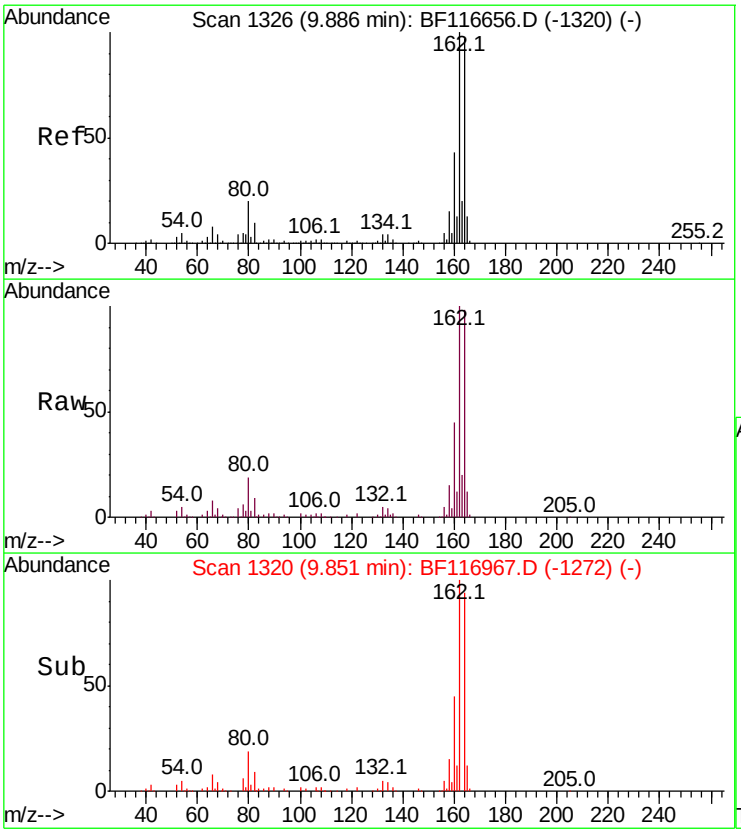
#25
Isophorone
Concen: 43.138 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.28 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 415481

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

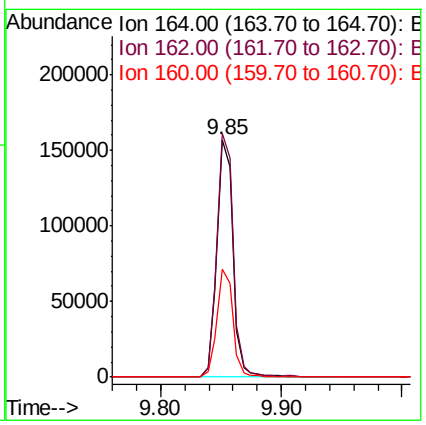


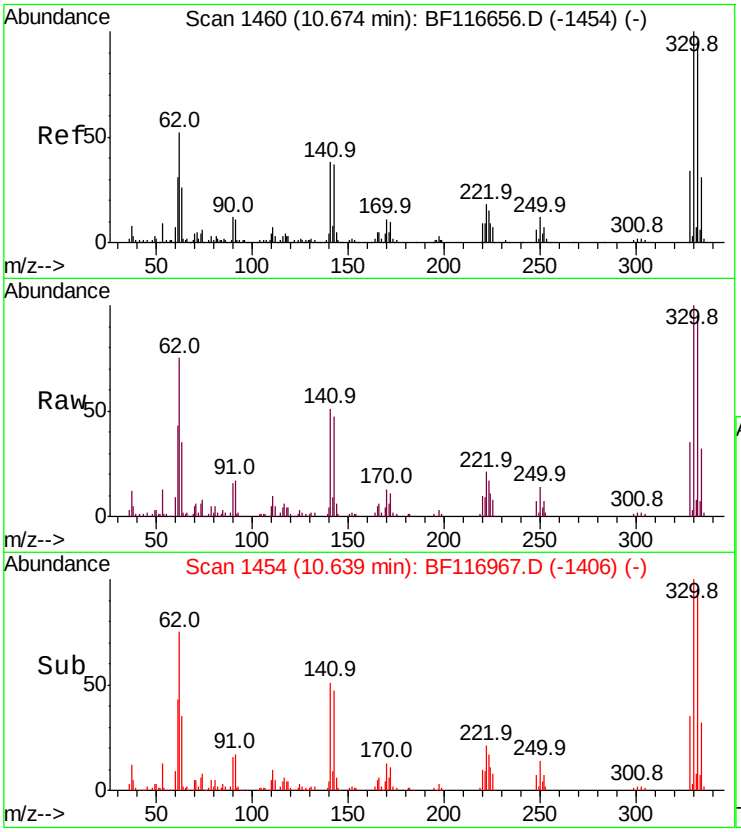


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion:164 Resp: 143684

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.4	122.0
160	45.6	35.4	53.2



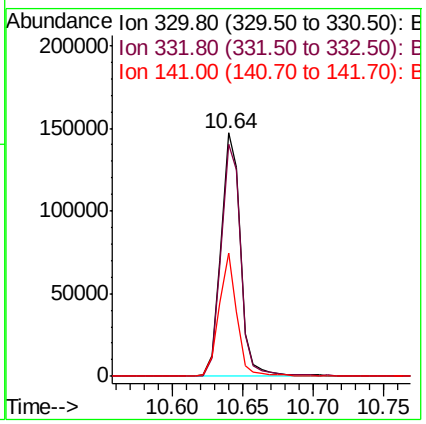


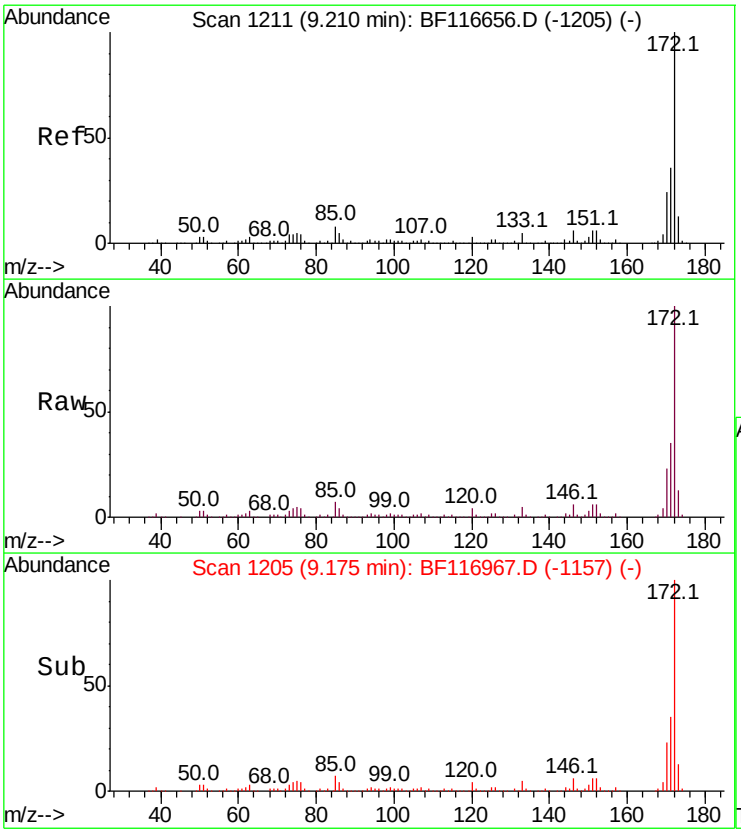
#42
2,4,6-Tribromophenol
Concen: 148.062 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 142222

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.9	115.3
141	45.9	31.4	47.2

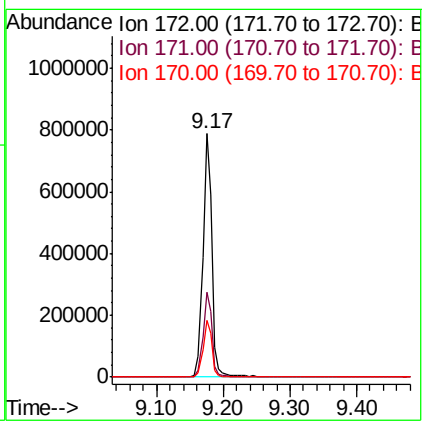


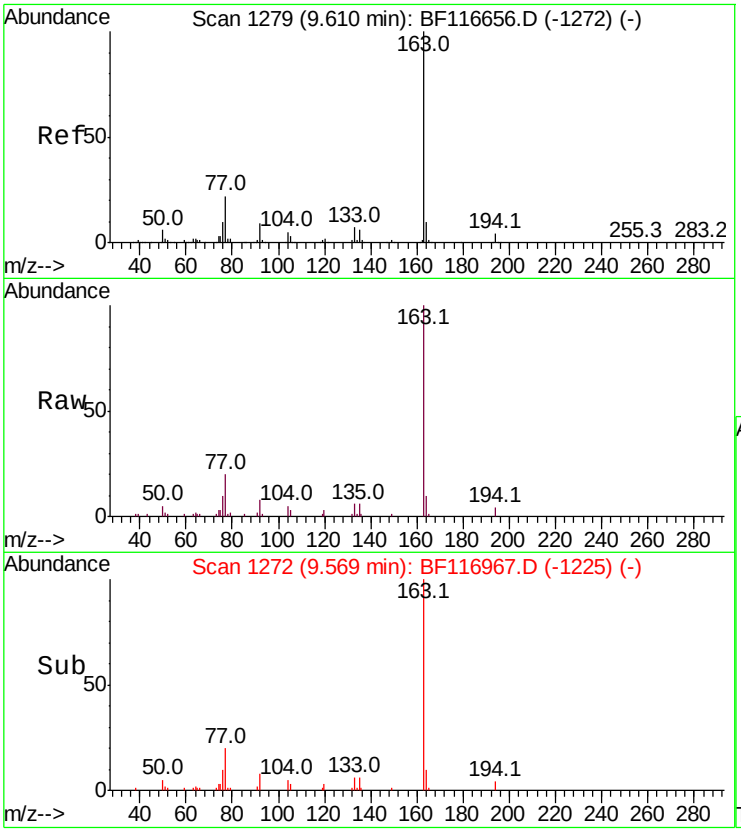


#45
2-Fluorobiphenyl
Concen: 84.184 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion:172 Resp: 717052

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.3	18.9	28.3



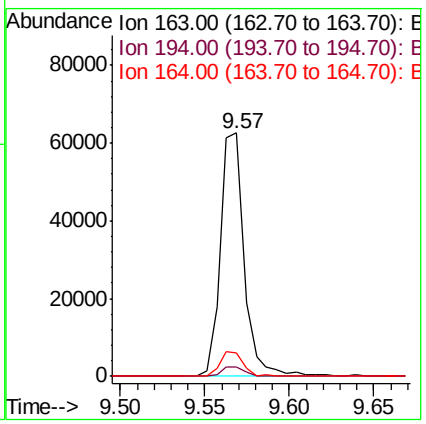


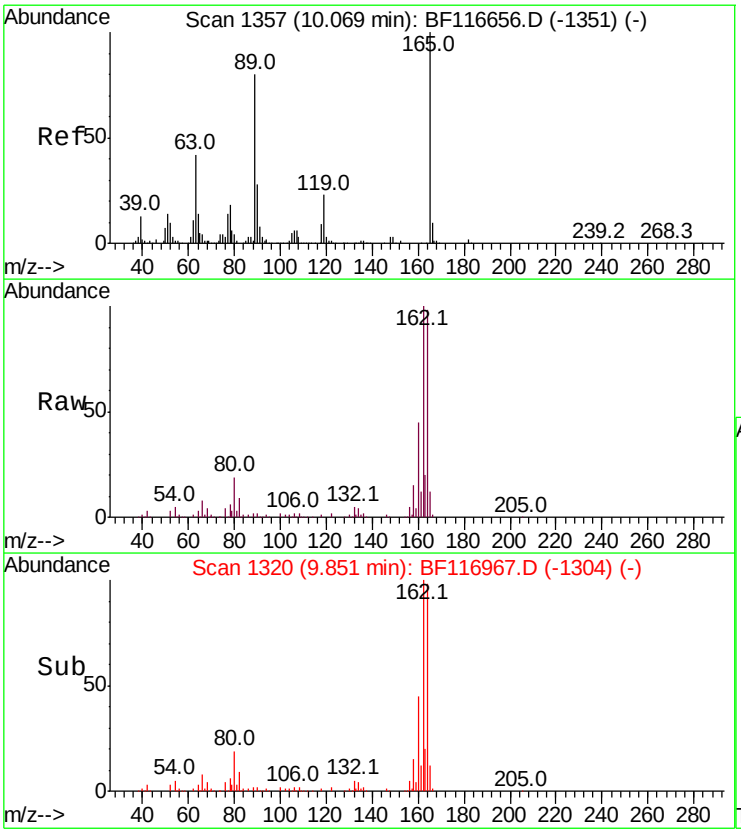
#50
Dimethylphthalate
Concen: 6.181 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 61319

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.5	8.6	12.8

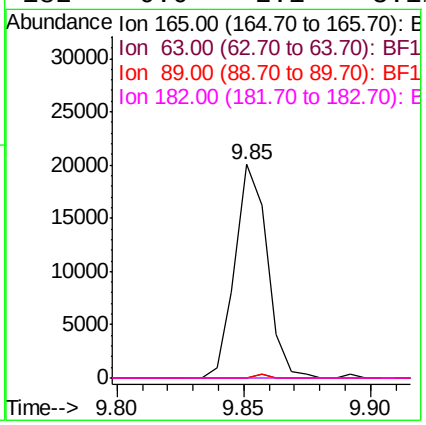


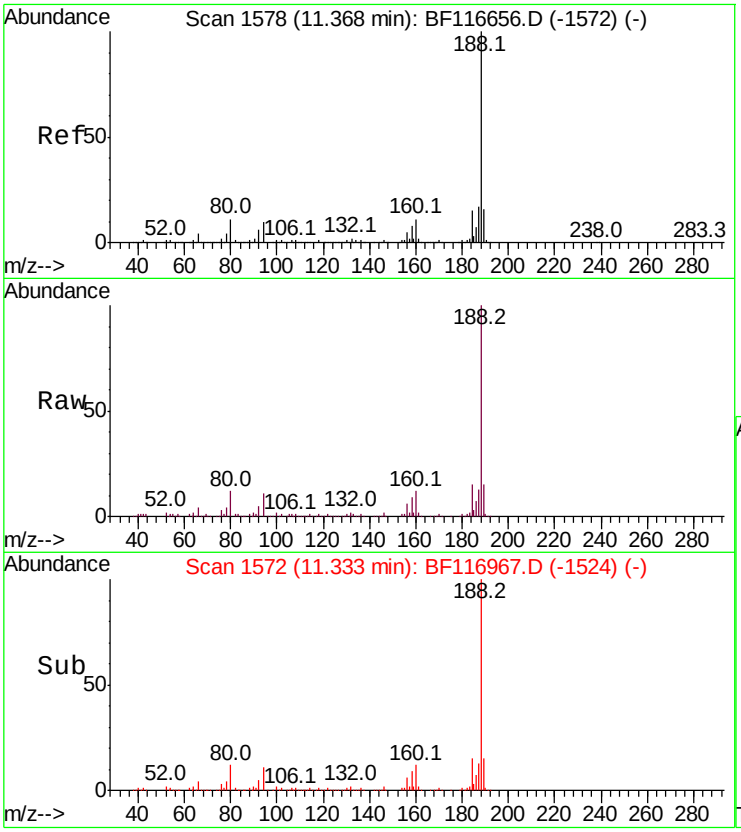


#57
2,4-Dinitrotoluene
Concen: 7.701 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.21 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion:165 Resp: 17822

Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	62.6	94.0#
182	0.0	2.1	3.1#



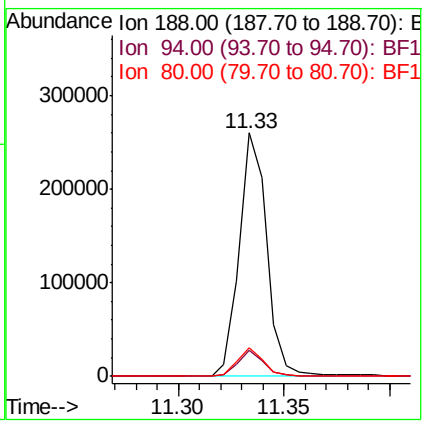


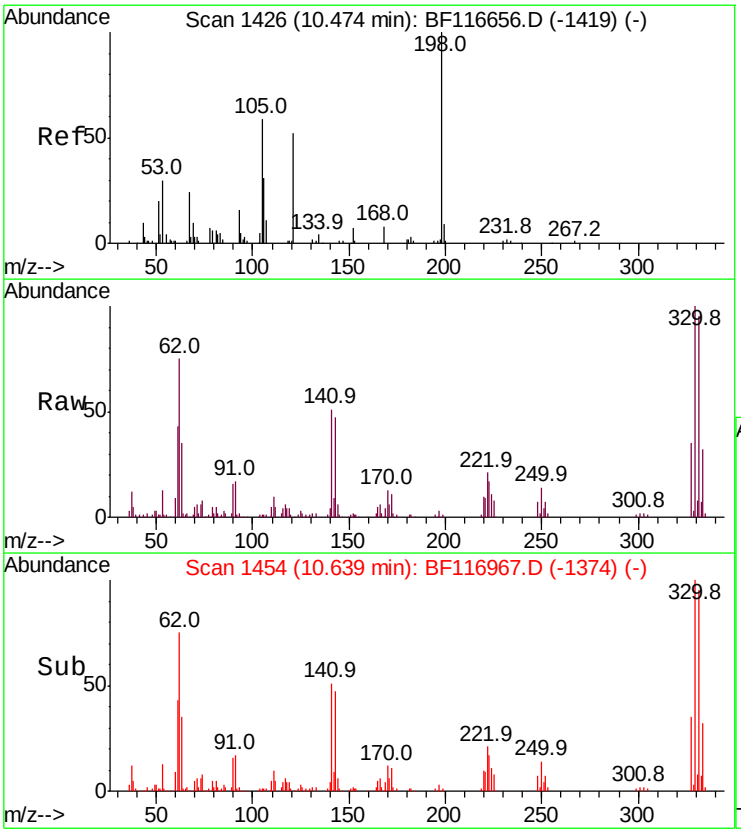
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 234912

Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.3	10.9
80	12.0	8.4	12.6

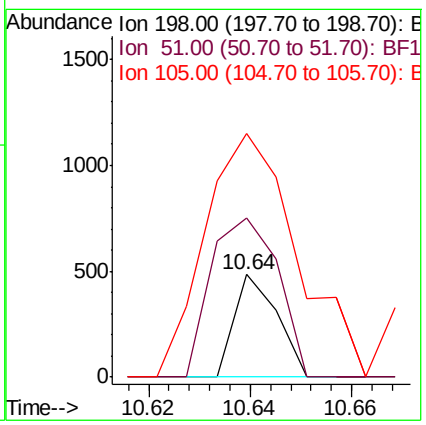


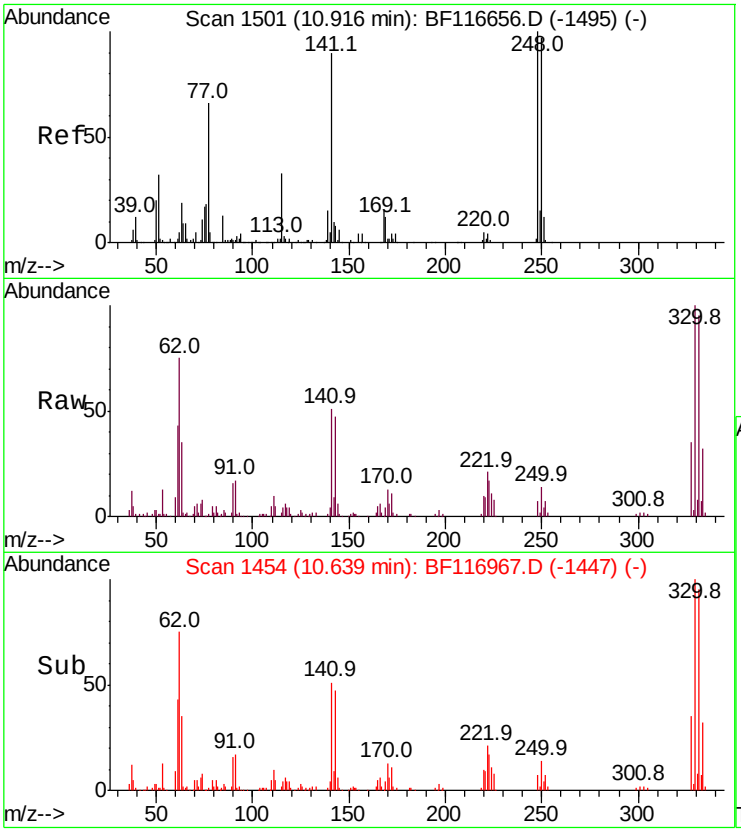


#65
4,6-Dinitro-2-methylphenol
Concen: 7.727 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.17 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion:198 Resp: 283

Ion	Ratio	Lower	Upper
198	100		
51	155.5	18.4	58.4#
105	237.3	22.9	62.9#



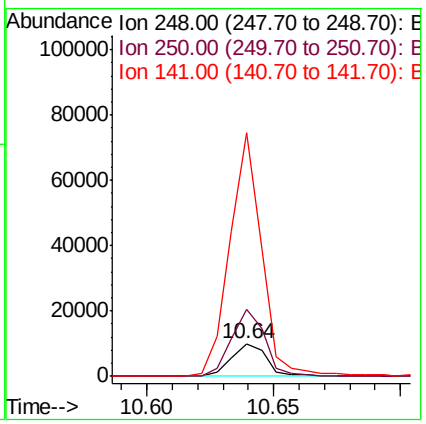


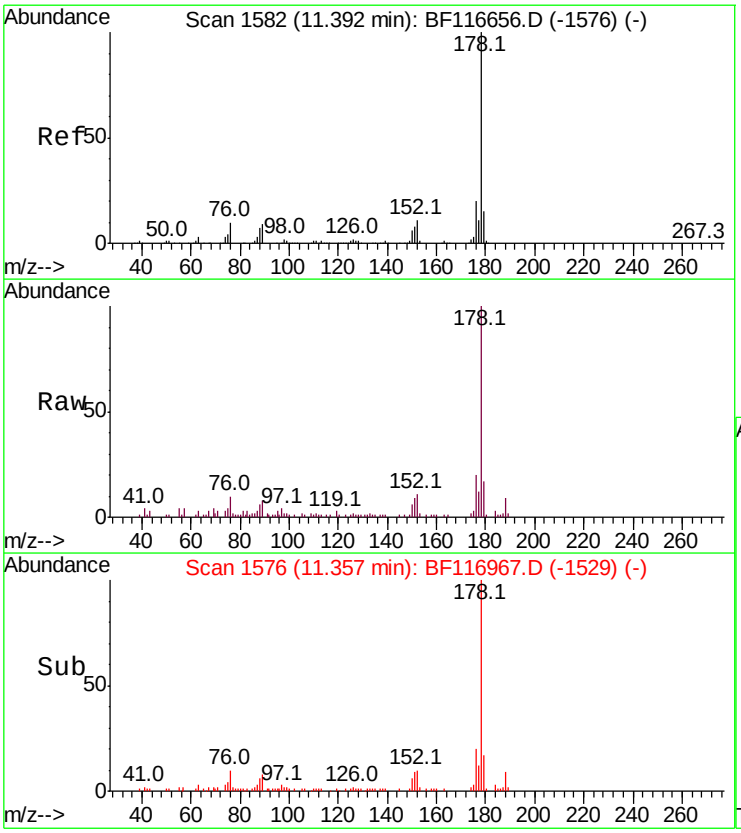
#67
4-Bromophenyl-phenylether
Concen: 3.956 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.26 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 9440

Ion	Ratio	Lower	Upper
248	100		
250	208.1	77.8	116.8#
141	751.1	75.9	113.9#

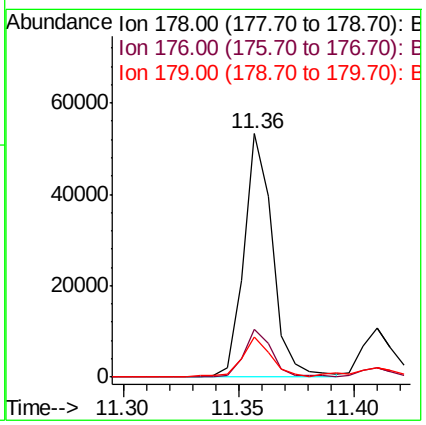


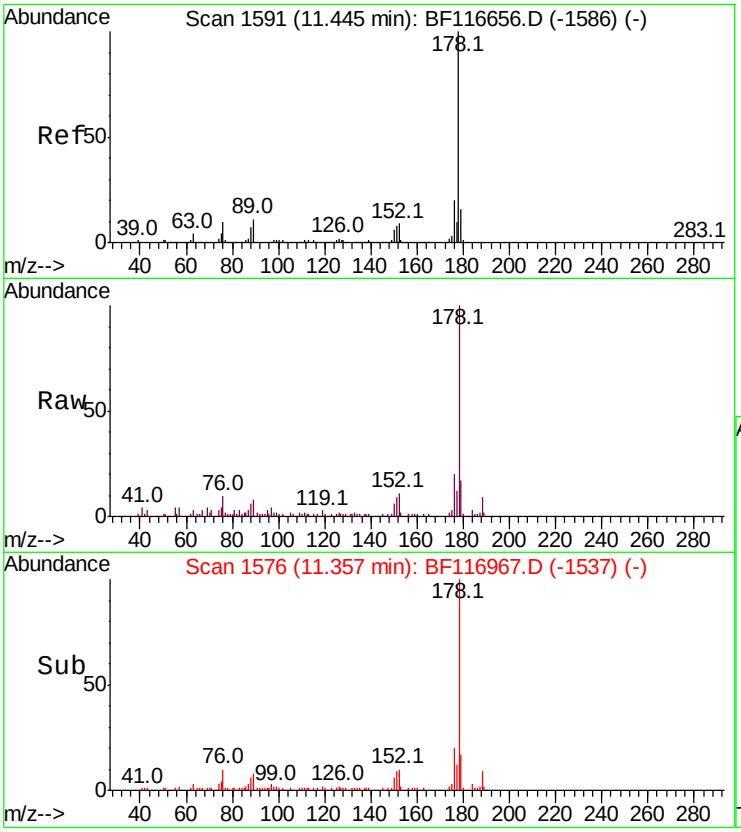


#71
Phenanthrene
Concen: 3.536 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion:178 Resp: 46243

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	16.5	12.2	18.2



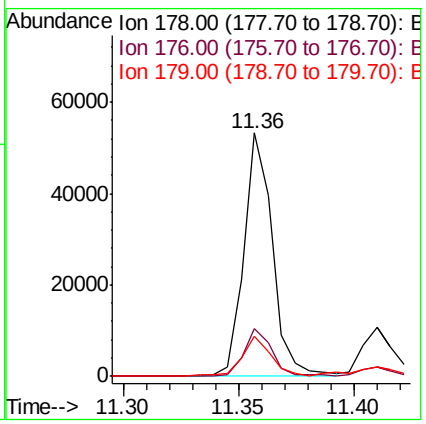


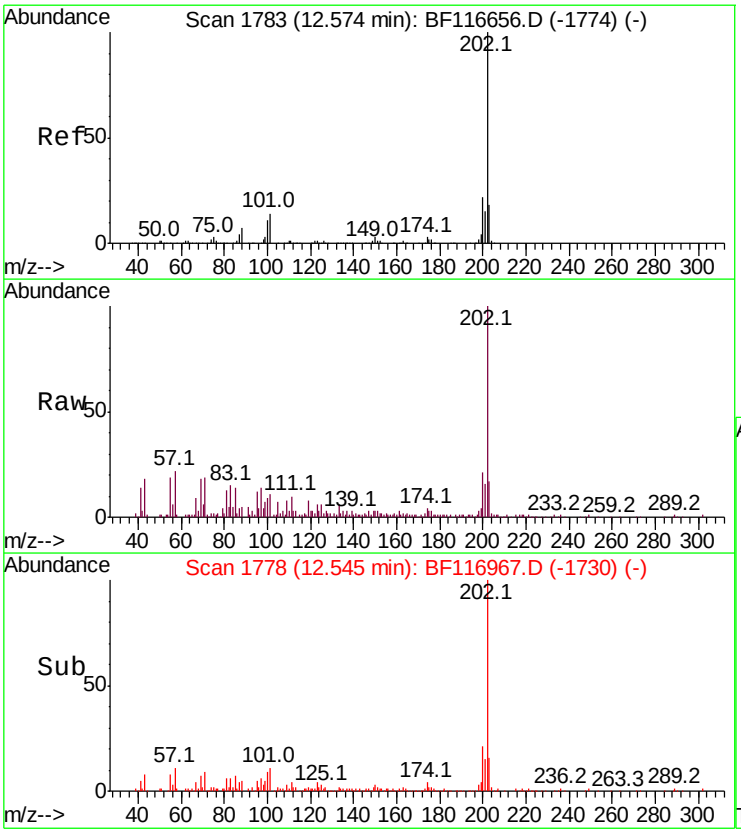
#72
Anthracene
Concen: 3.513 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.07 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 46243

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	16.5	12.5	18.7

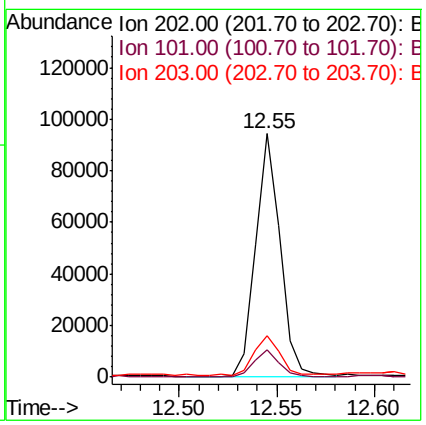


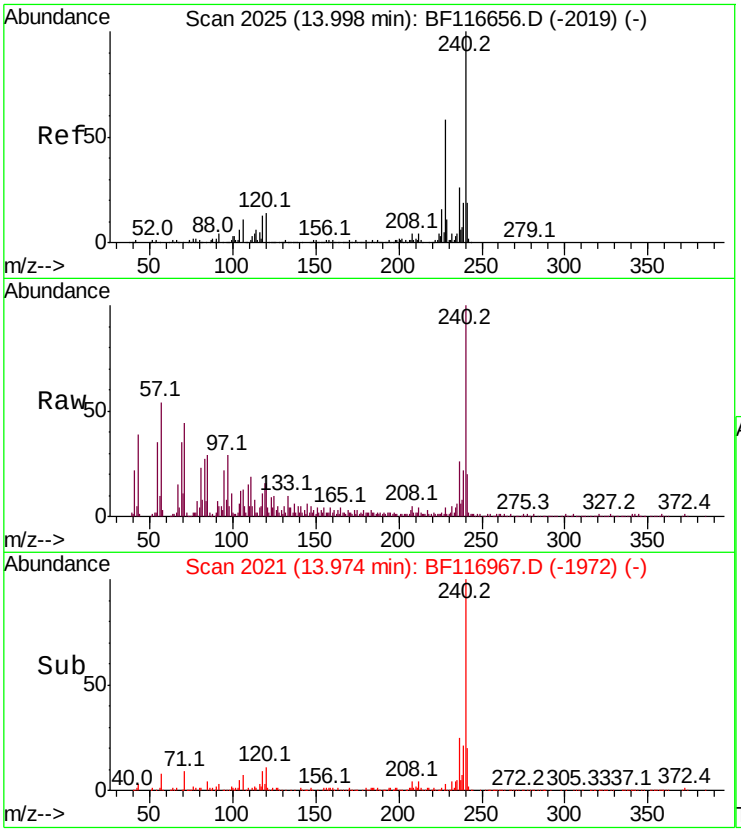


#75
Fluoranthene
Concen: 6.467 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion:202 Resp: 83104

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.3
203	17.1	0.0	37.6



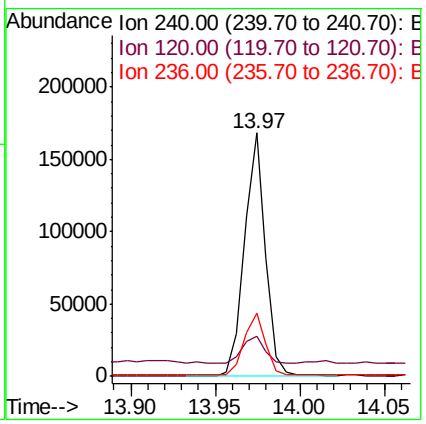


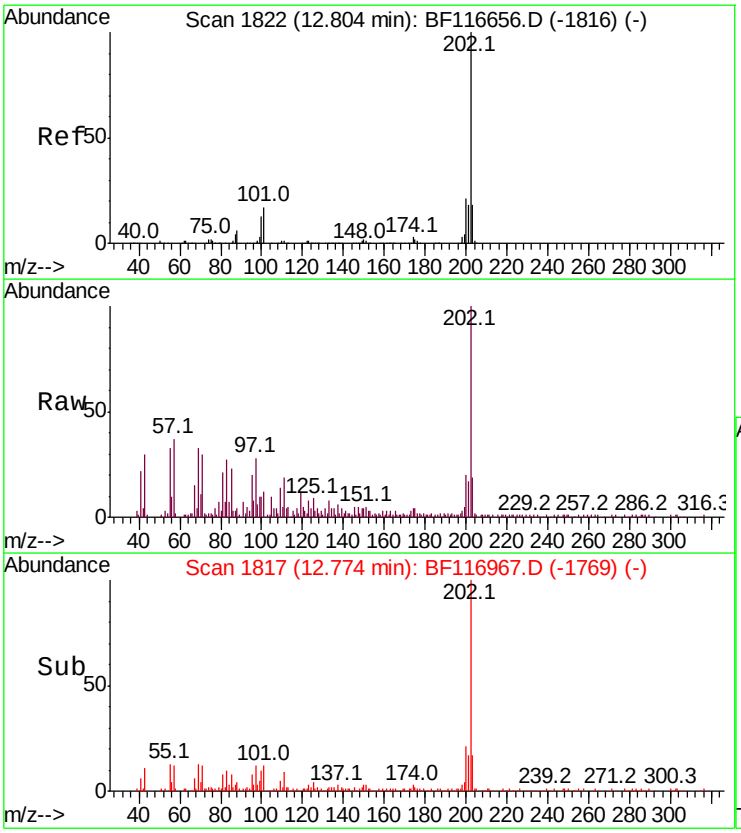
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 144629

Ion	Ratio	Lower	Upper
240	100		
120	16.5	9.1	13.7#
236	25.8	21.1	31.7

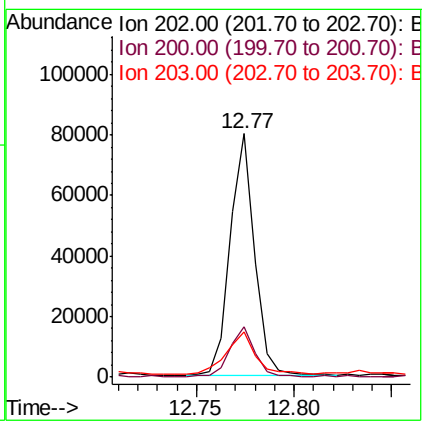


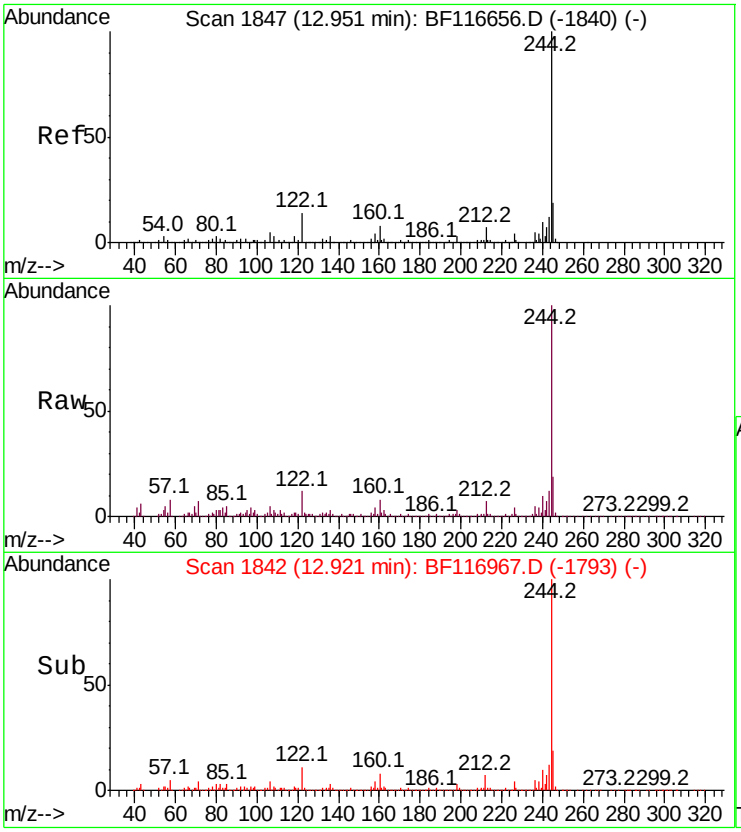


#78
Pyrene
Concen: 5.403 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion:202 Resp: 69458

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.5	24.7
203	18.5	13.7	20.5



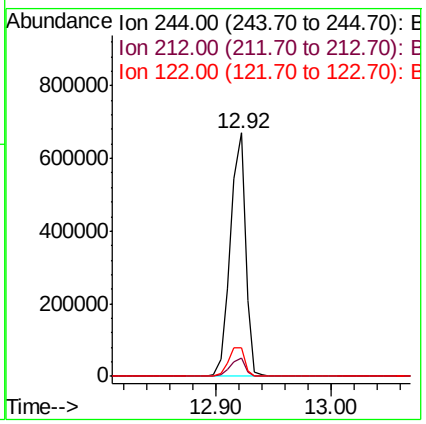


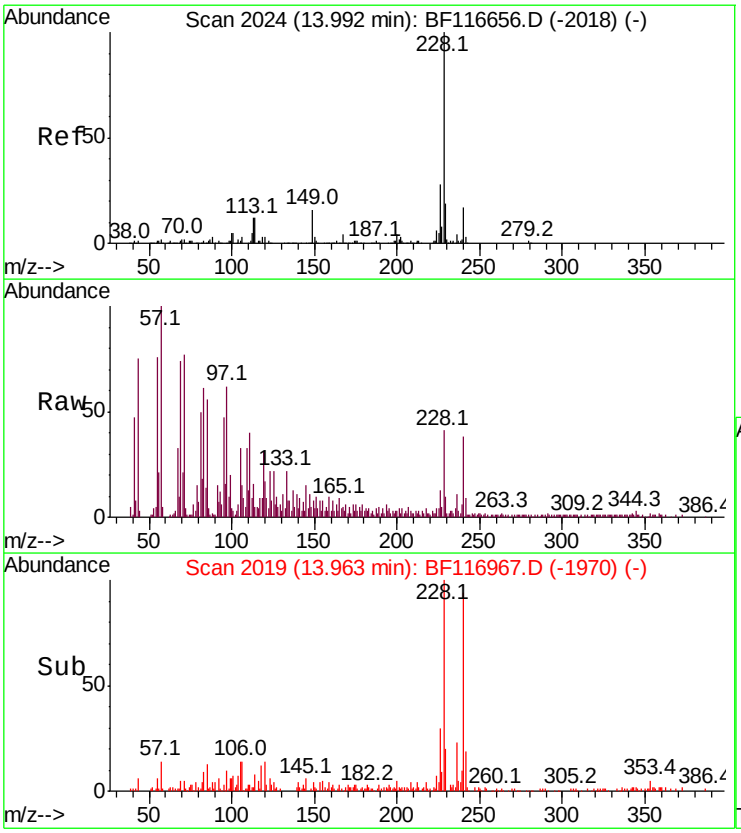
#79
Terphenyl-d14
Concen: 78.530 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 613949

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	11.6	10.2	15.4

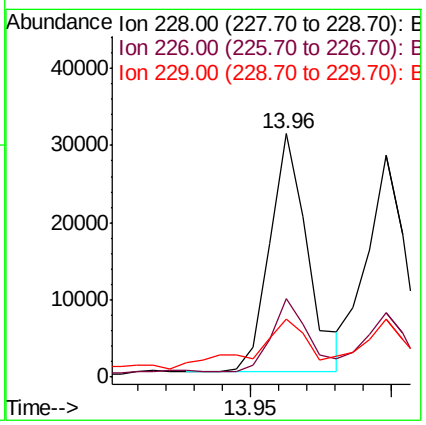


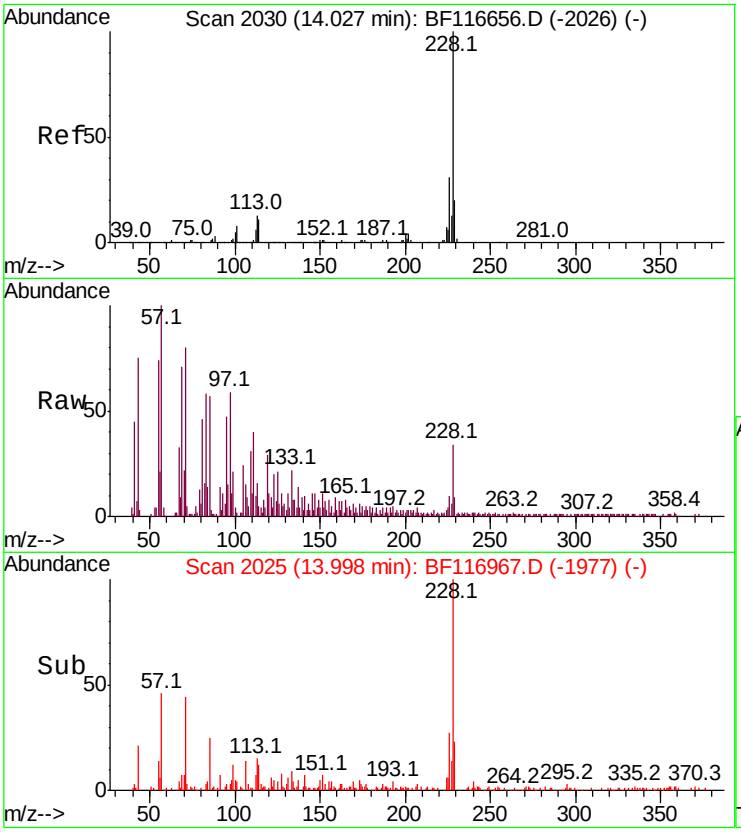


#81
Benzo(a)anthracene
Concen: 3.143 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion:228 Resp: 28774

Ion	Ratio	Lower	Upper
228	100		
226	32.3	22.0	33.0
229	23.8	16.4	24.6



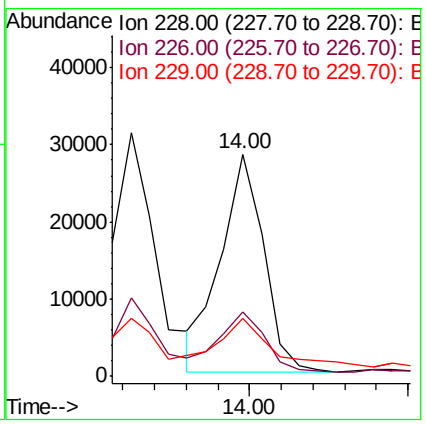


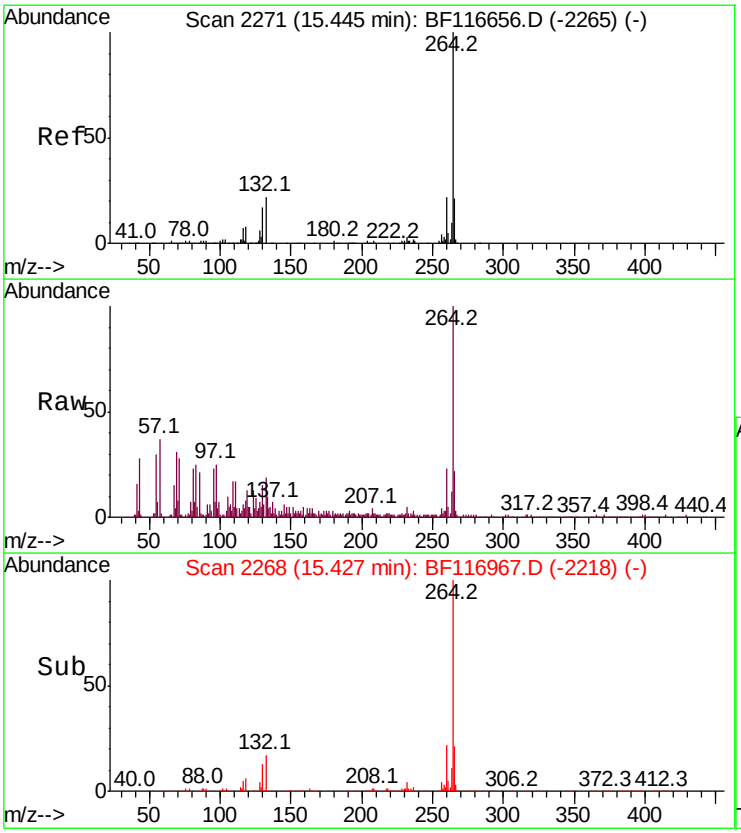
#83
Chrysene
Concen: 2.801 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 26419

Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	26.2	15.4	23.0#

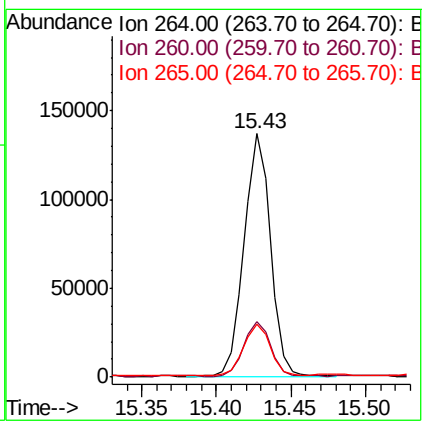


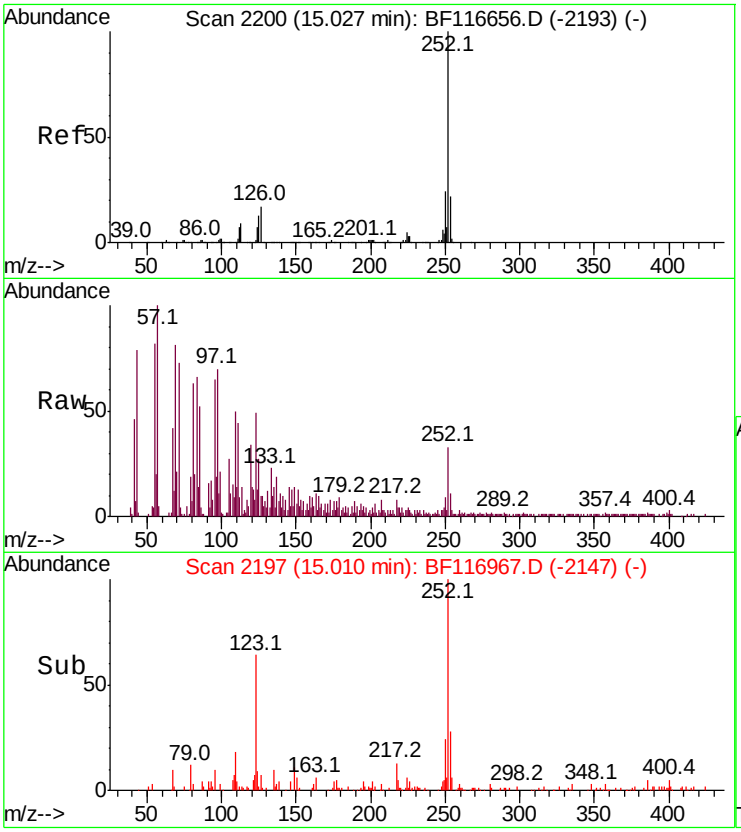


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion:264 Resp: 165878

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.3	27.5
265	21.8	16.5	24.7



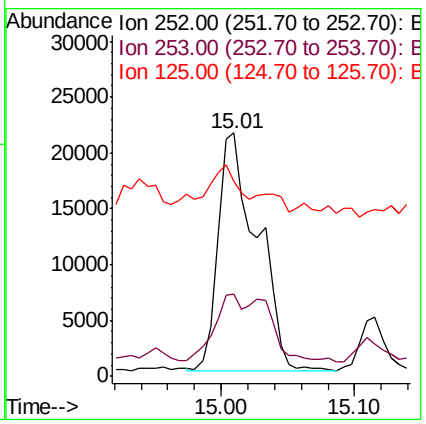


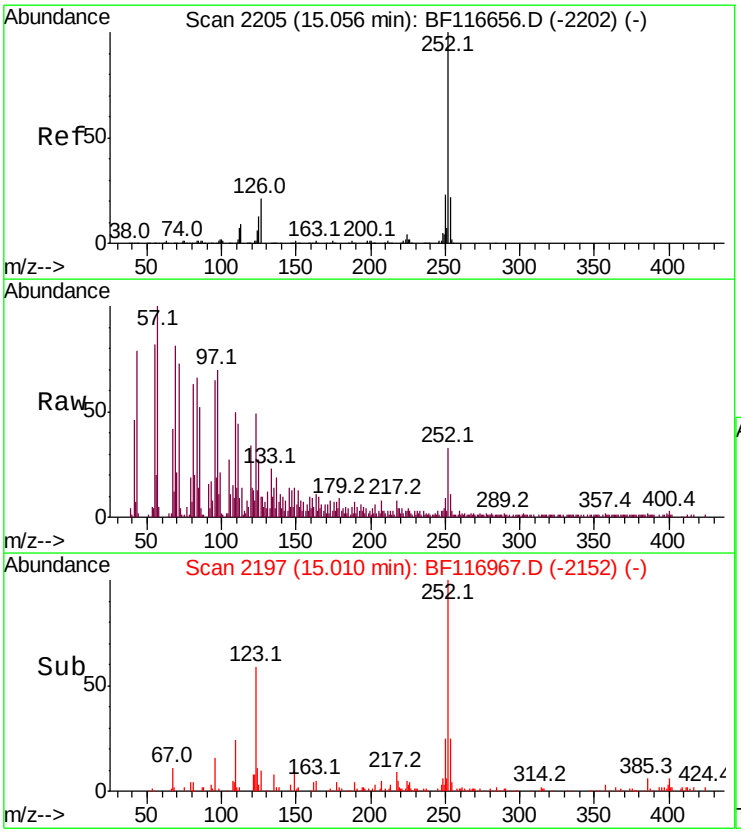
#88
Benzo(b)fluoranthene
Concen: 4.307 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 43193

Ion	Ratio	Lower	Upper
252	100		
253	33.6	17.7	26.5#
125	80.0	8.2	12.2#

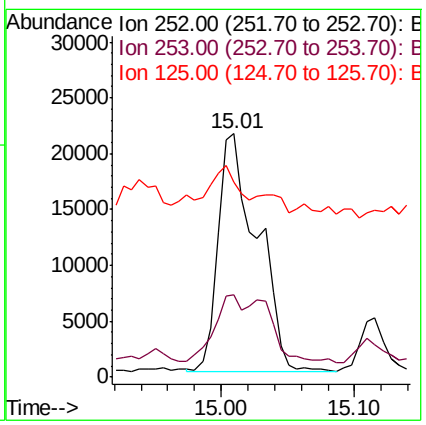


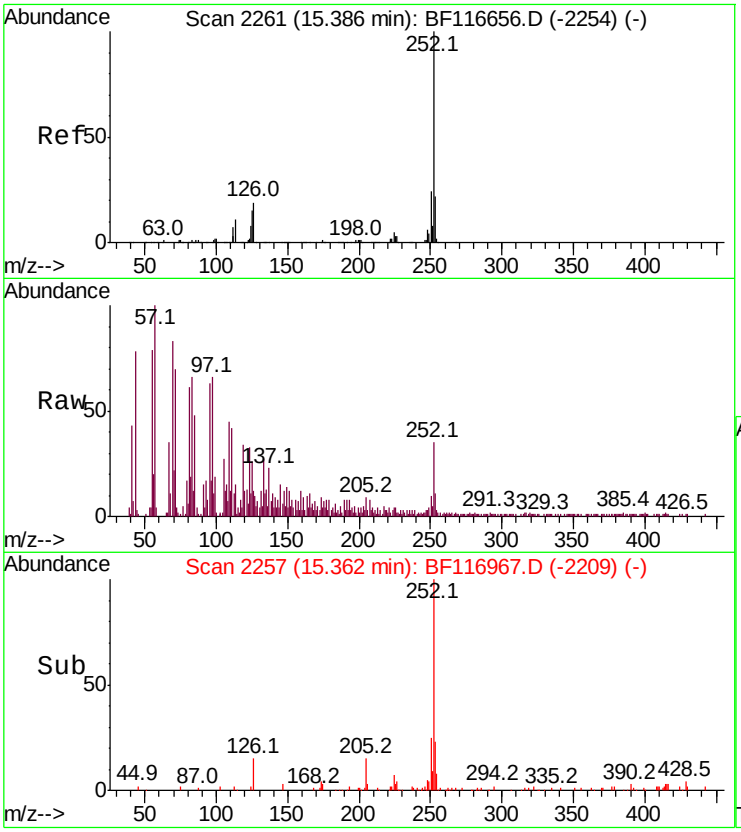


#89
Benzo(k)fluoranthene
Concen: 4.724 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion:252 Resp: 43193

Ion	Ratio	Lower	Upper
252	100		
253	33.6	17.7	26.5#
125	80.0	8.6	13.0#





#90
Benzo(a)pyrene
Concen: 2.634 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 22981

Ion	Ratio	Lower	Upper
252	100		
253	31.2	18.1	27.1#
125	73.6	9.8	14.8#