Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116783.D
Acq On : 3 Sep 2019 20:06
Operator : HP/JU
Sample : K4554-55
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Sep 04 06:03:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 30 20:02:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	131543	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	521138	20.00	ng		0.00
39) Acenaphthene-d10	9.88	164	261687	20.00	ng		0.00
64) Phenanthrene-d10	11.36	188	408009	20.00	ng		0.00
76) Chrysene-d12	14.00	240	281005	20.00	ng		0.00
87) Perylene-d12	15.45	264	313792	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	715388	88.11	ng		0.00
7) Phenol-d6	6.47	99	971737	91.14	ng		0.00
23) Nitrobenzene-d5	7.40	82	618177	67.72	ng		0.00
42) 2,4,6-Tribromophenol	10.67	330	183029	104.62	ng		0.00
45) 2-Fluorobiphenyl	9.20	172	950428	61.27	ng		0.00
79) Terphenyl-d14	12.94	244	742621	48.89	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	81506	11.610	ng	#	72
25) Isophorone	7.40	82	618171	33.418	ng	#	66
49) Acenaphthylene	9.74	152	59956	2.522	ng		98
50) Dimethylphthalate	9.59	163	133189	7.372	ng		97
51) 2,6-Dinitrotoluene	9.88	165	35144	10.195	ng	#	21
57) 2,4-Dinitrotoluene	9.88	165	35144	8.338	ng	#	21
58) Fluorene	10.43	166	40159	2.559	ng		98
65) 4,6-Dinitro-2-methylphenol	10.66	198	269	7.602	ng	#	1
67) 4-Bromophenyl-phenylether	10.67	248	11583	2.795	ng	#	1
71) Phenanthrene	11.39	178	592354	26.081	ng		99
72) Anthracene	11.43	178	141252	6.178	ng		98
73) Carbazole	11.59	167	58397	2.681	ng		97
75) Fluoranthene	12.57	202	733093	32.844	ng		98
78) Pyrene	12.80	202	676695	27.090	ng		99
81) Benzo(a)anthracene	13.99	228	328262	18.458	ng		95
83) Chrysene	14.02	228	335207	18.295	ng		98
86) Indeno(1,2,3-cd)pyrene	16.90	276	163076	11.081	ng		95
88) Benzo(b)fluoranthene	15.03	252	559310	29.482	ng	#	96
89) Benzo(k)fluoranthene	15.03	252	559310	32.334	ng	#	97
90) Benzo(a)pyrene	15.39	252	302734	18.342	ng	#	96
91) Dibenzo(a,h)anthracene	16.90	278	45192	3.128	ng	#	92
92) Benzo(g,h,i)perylene	17.33	276	146476	9.941	ng	#	92

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

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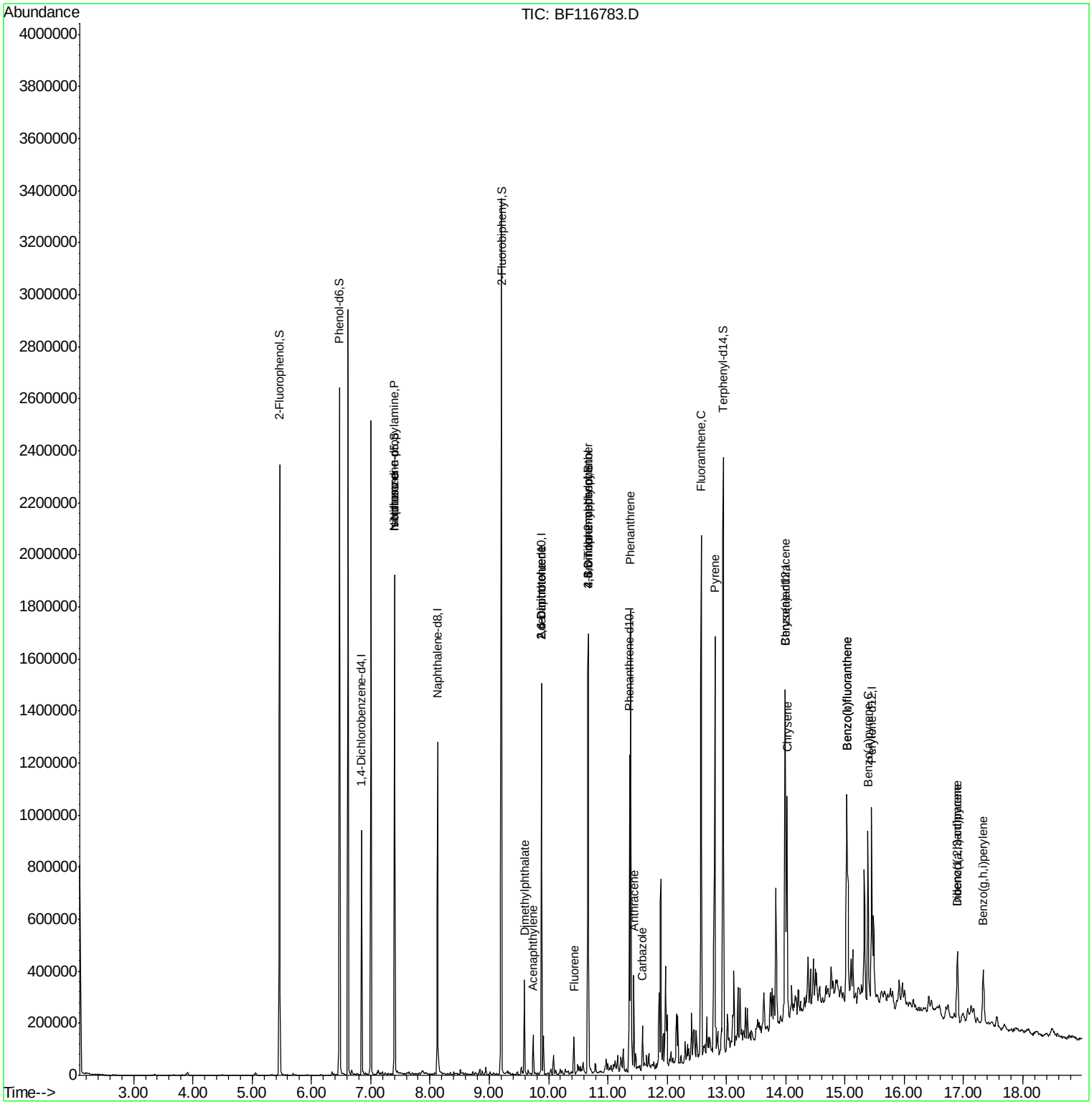
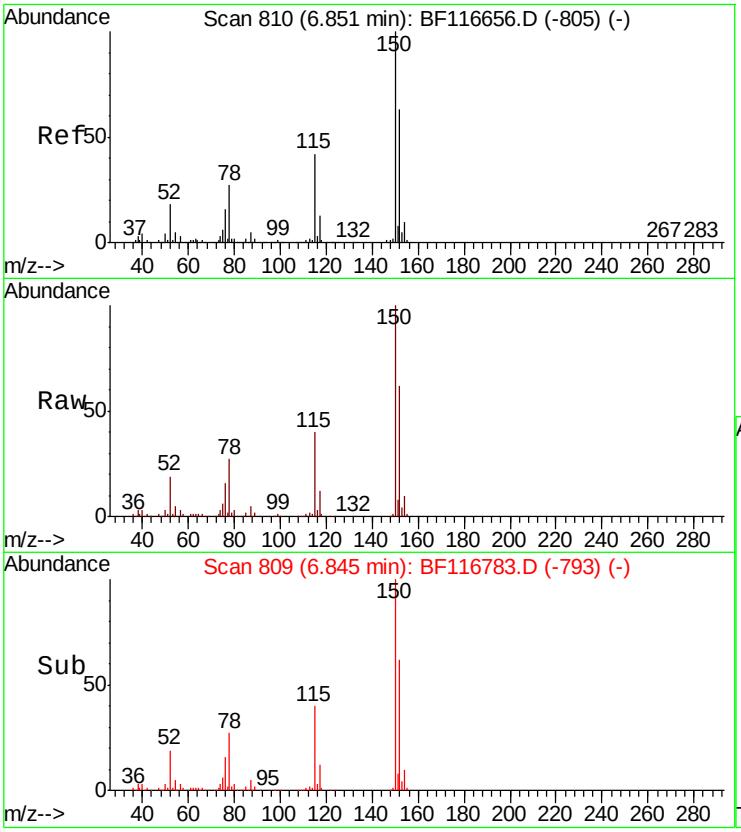


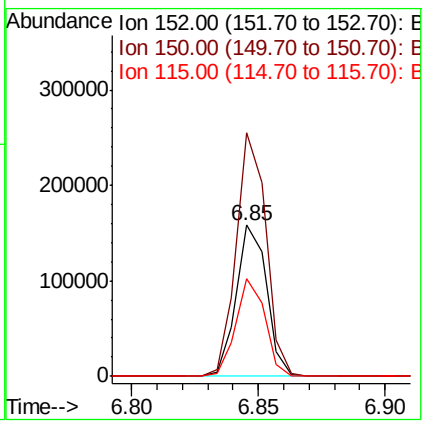


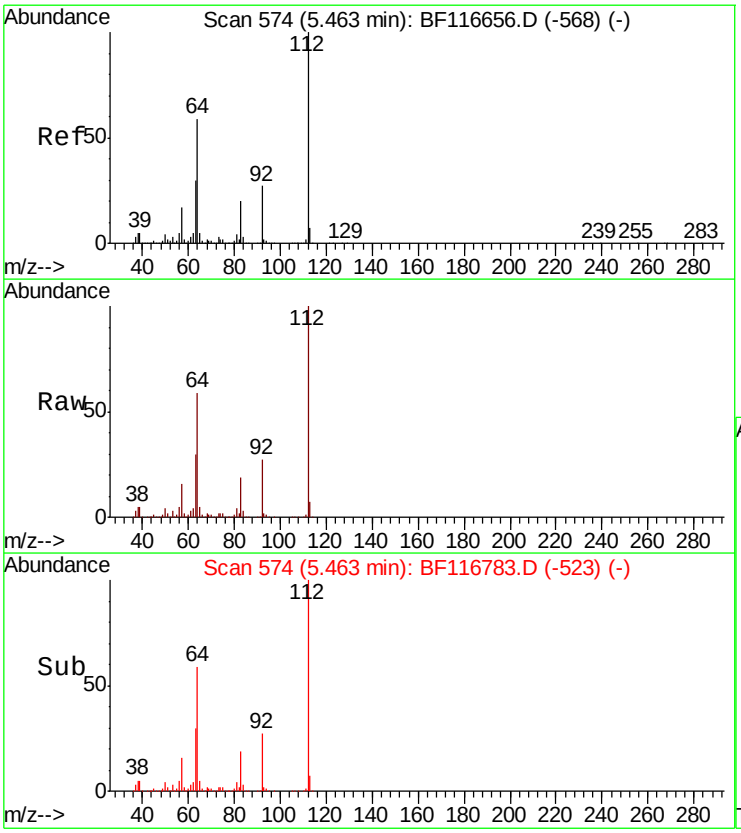
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 131543

Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.4	186.6
115	65.0	49.9	74.9

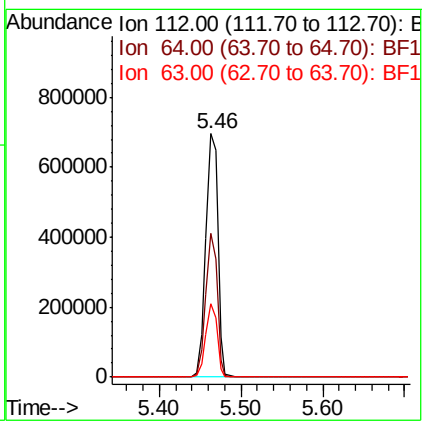


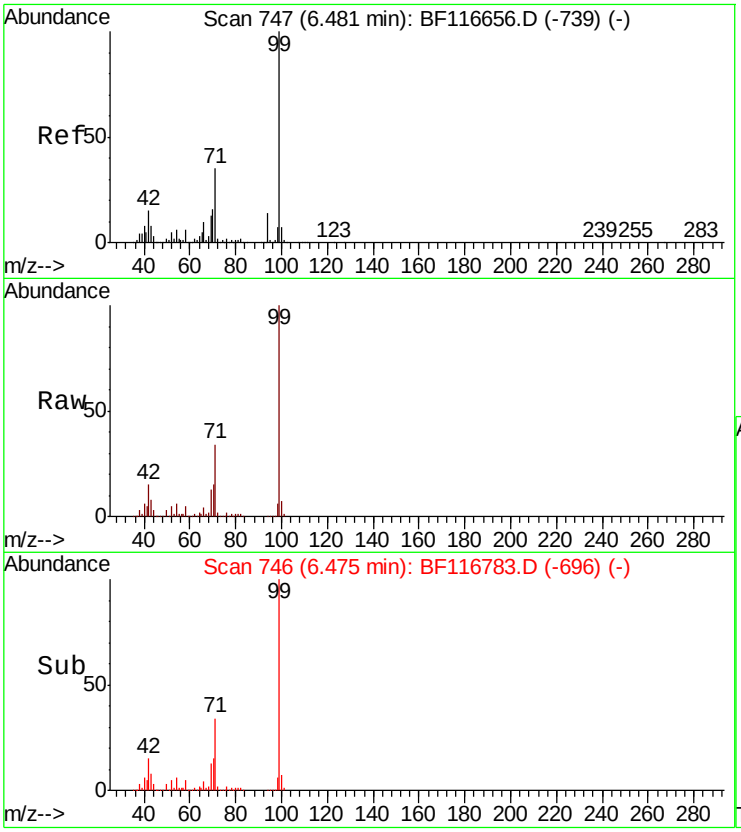


#5
2-Fluorophenol
Concen: 88.106 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:112 Resp: 715388

Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.1	70.7
63	30.2	24.9	37.3



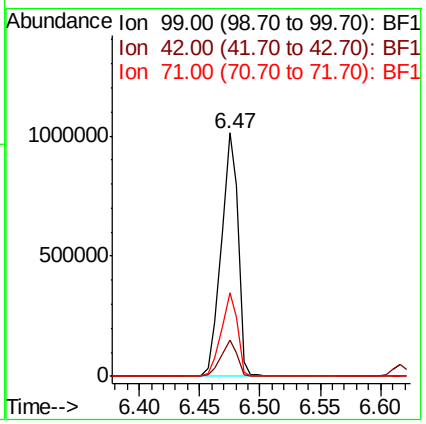


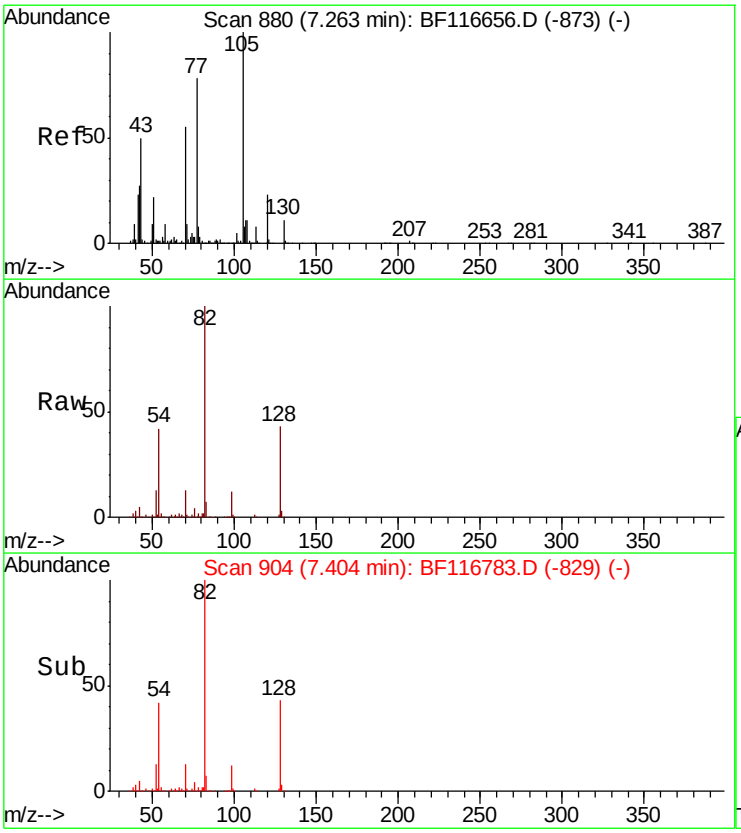
#7
Phenol-d6
Concen: 91.140 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 971737

Ion	Ratio	Lower	Upper
99	100		
42	15.1	13.7	20.5
71	34.4	30.8	46.2

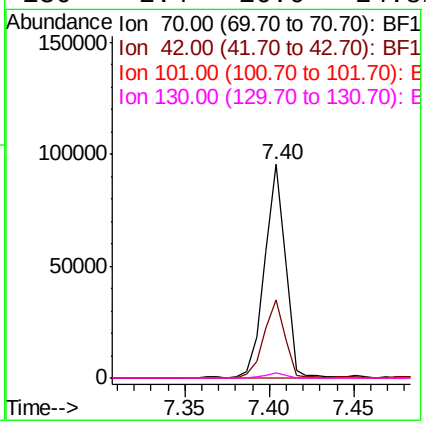


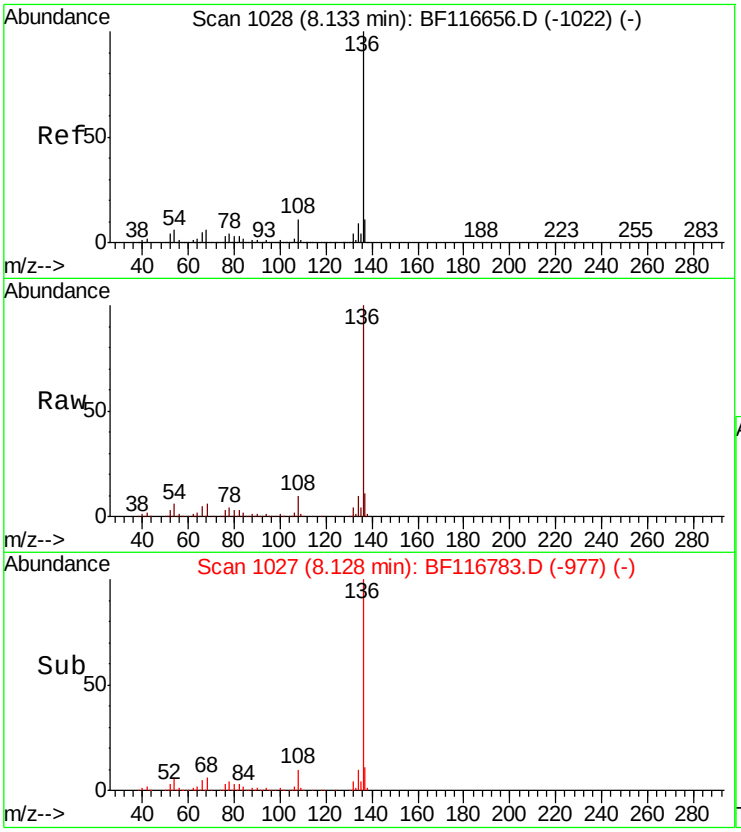


#19
n-Nitroso-di-n-propylamine
Concen: 11.610 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion: 70 Resp: 81506

Ion	Ratio	Lower	Upper
70	100		
42	36.7	43.5	65.3#
101	0.0	7.8	11.6#
130	2.4	16.6	24.8#



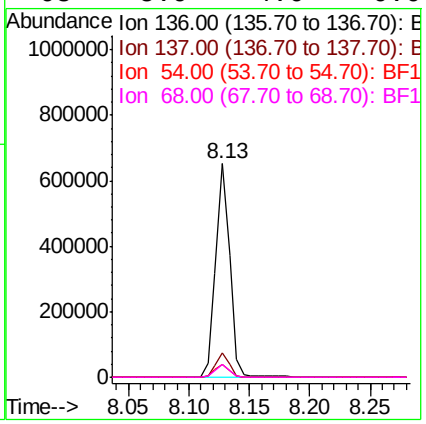


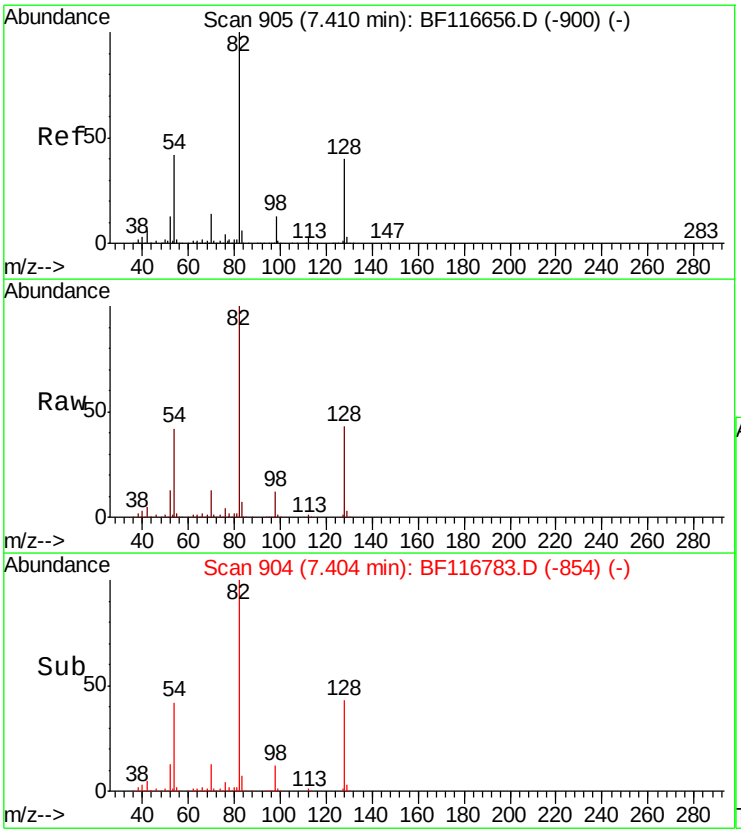
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 521138

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.0	4.8	7.2
68	5.9	4.0	6.0

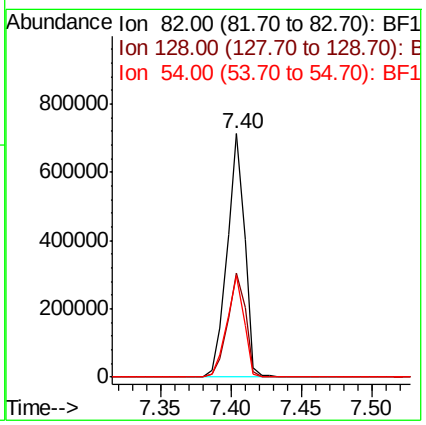


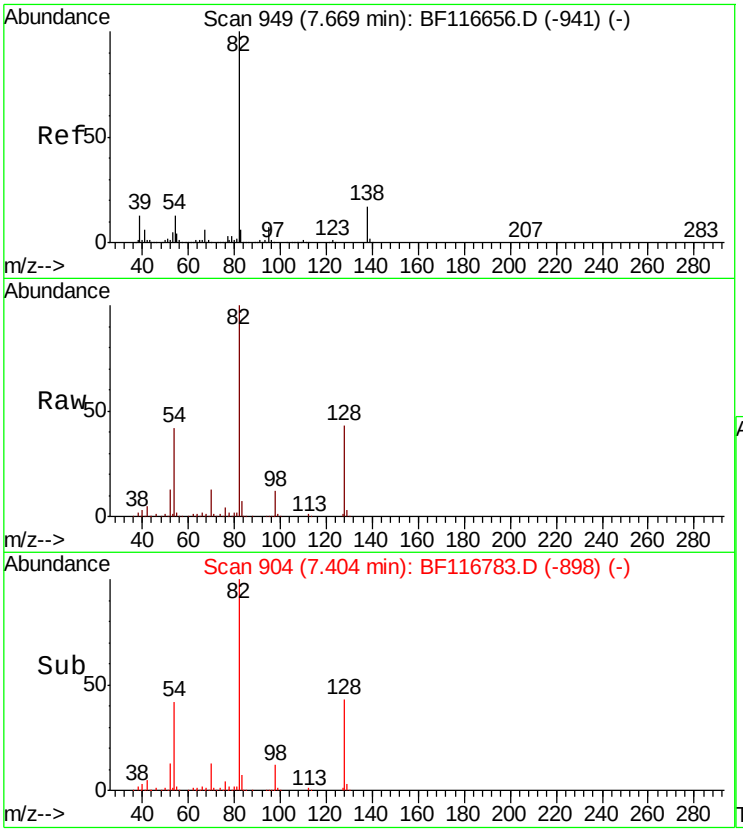


#23
Nitrobenzene-d5
Concen: 67.717 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion: 82 Resp: 618177

Ion	Ratio	Lower	Upper
82	100		
128	43.0	32.8	49.2
54	41.5	36.9	55.3



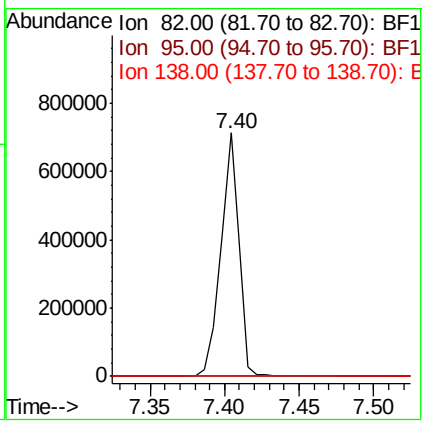


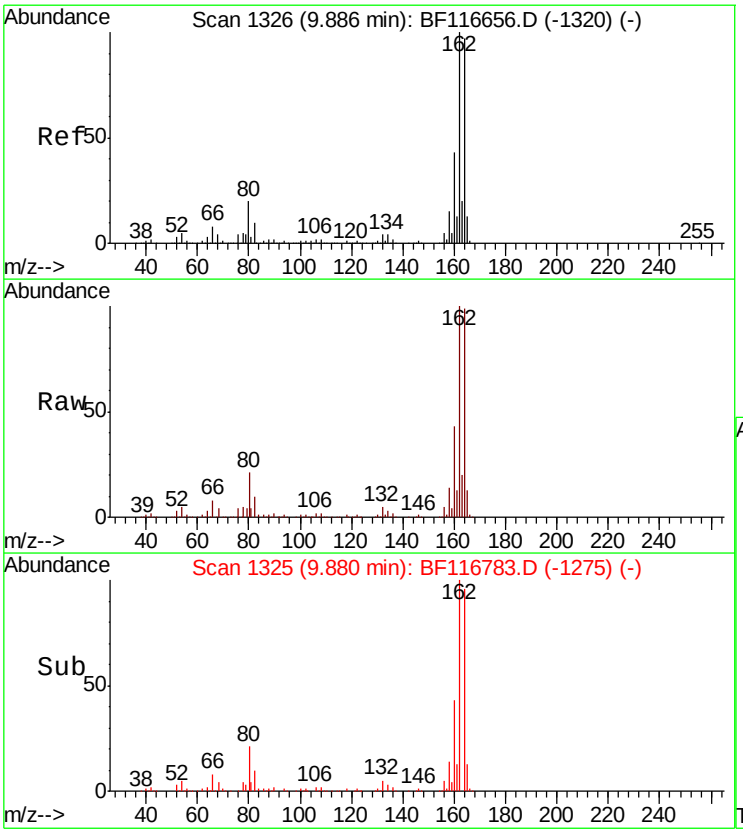
#25
Isophorone
Concen: 33.418 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 618171

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

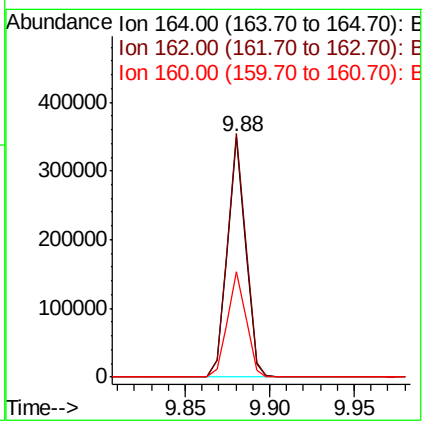


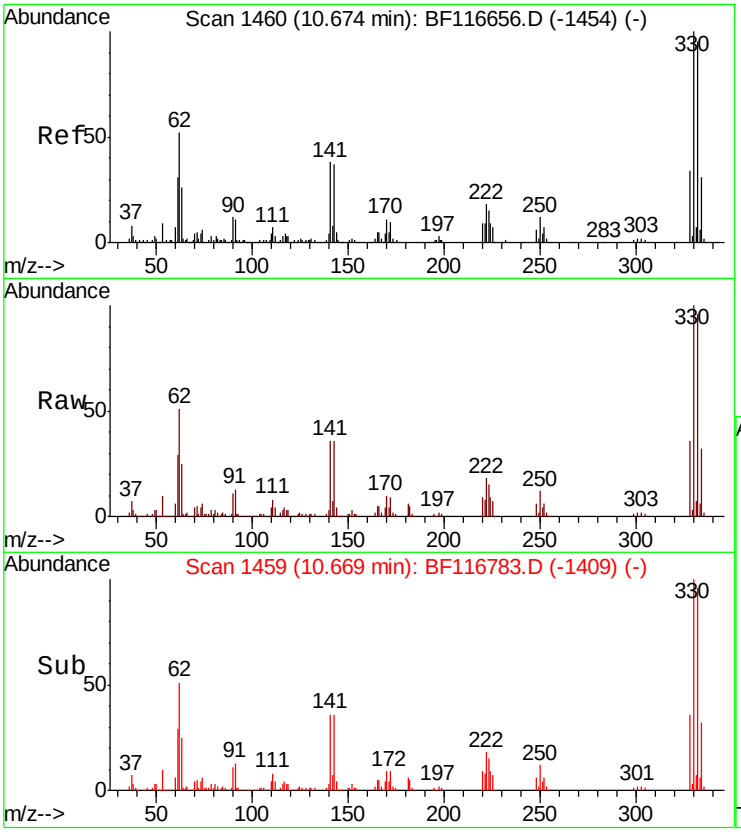


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:164 Resp: 261687

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.4	122.0
160	44.0	35.4	53.2



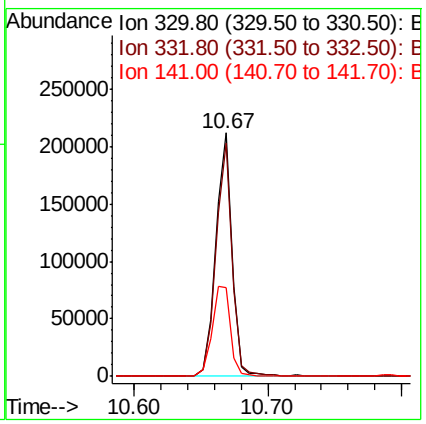


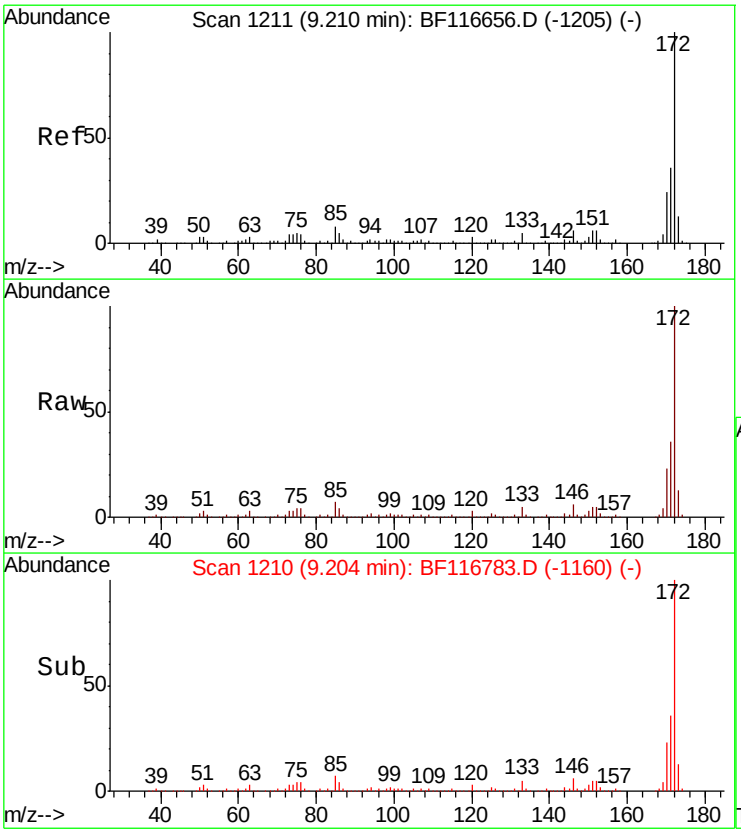
#42
2,4,6-Tribromophenol
Concen: 104.622 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 183029

Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.9	115.3
141	42.5	31.4	47.2

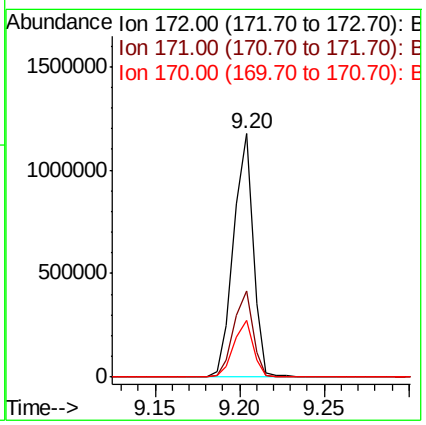


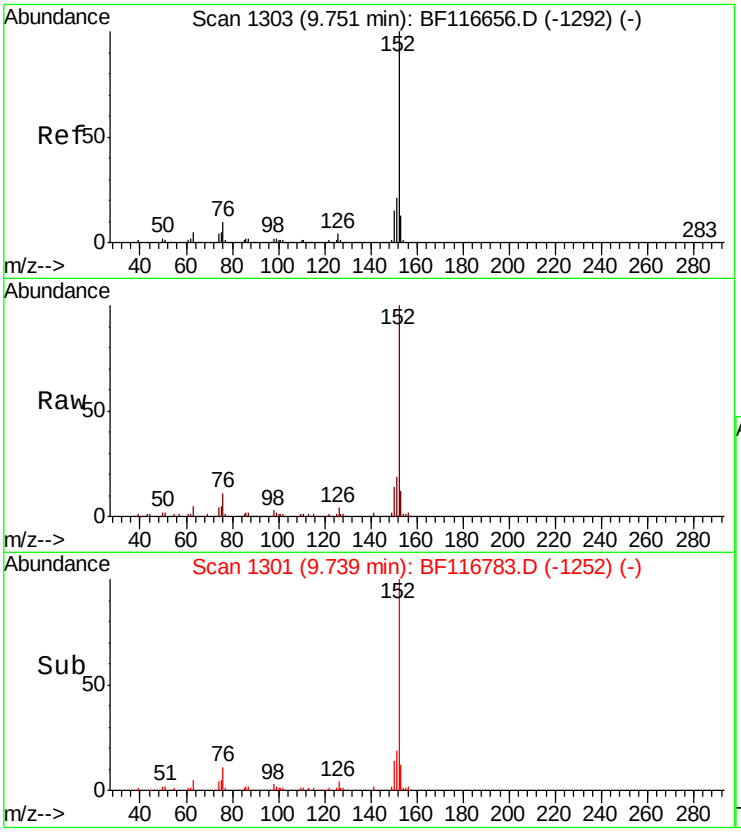


#45
2-Fluorobiphenyl
Concen: 61.267 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:172 Resp: 950428

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.8	41.6
170	23.5	18.9	28.3



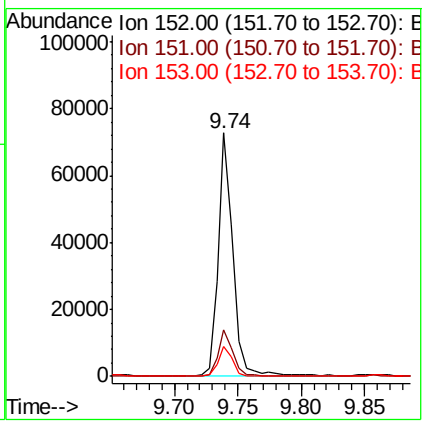


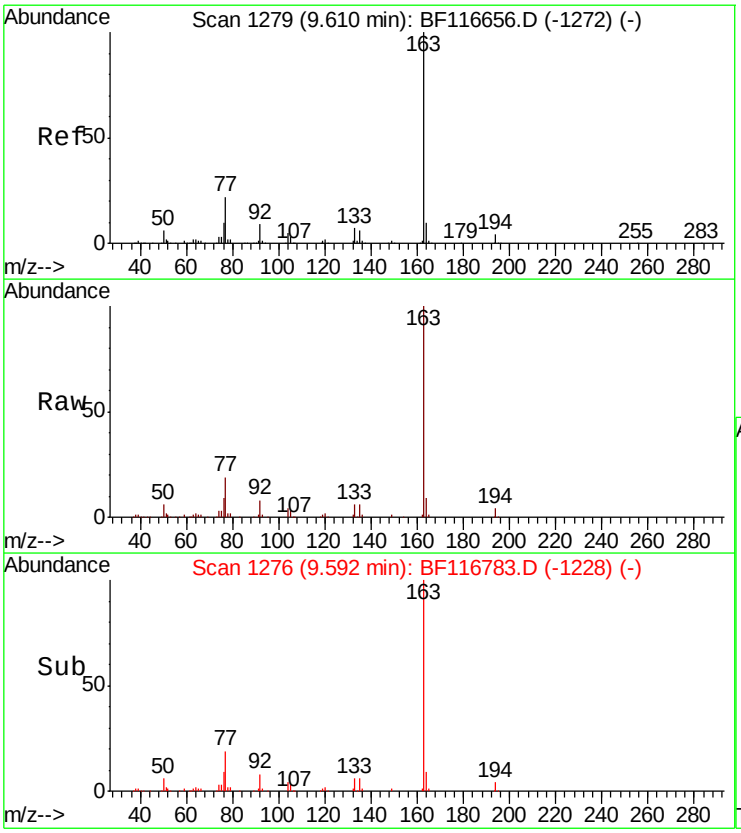
#49
Acenaphthylene
Concen: 2.522 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 59956

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	12.0	10.9	16.3

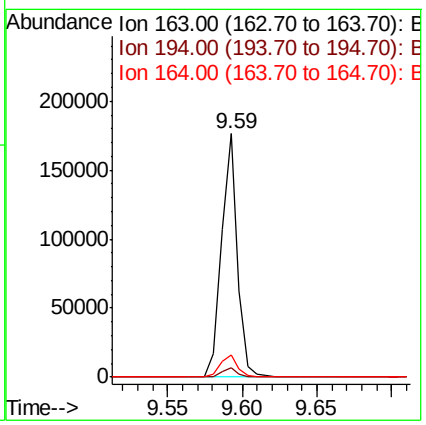


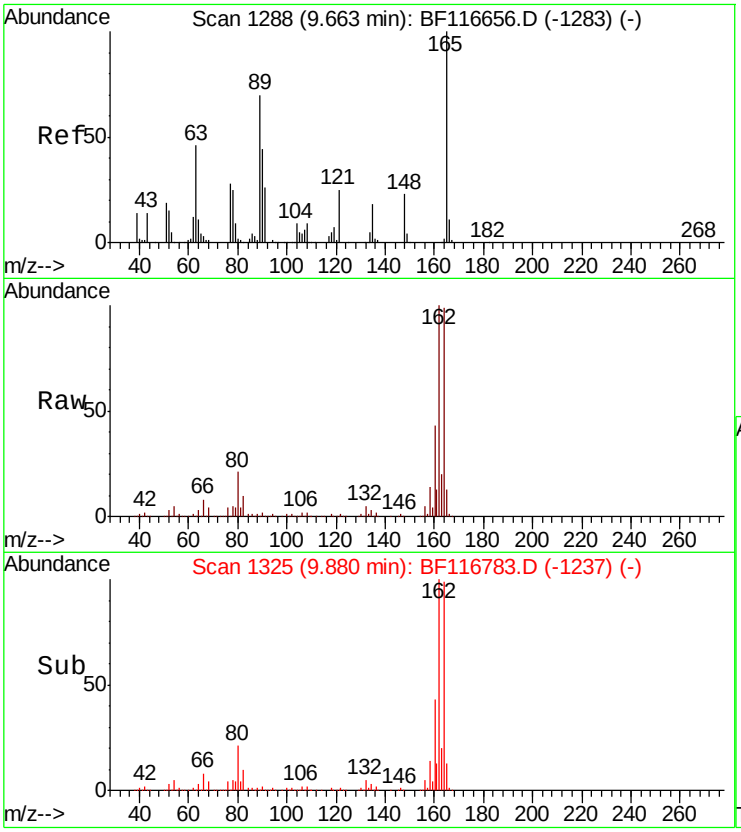


#50
Dimethylphthalate
Concen: 7.372 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:163 Resp: 133189

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.8	4.2
164	9.3	8.6	12.8



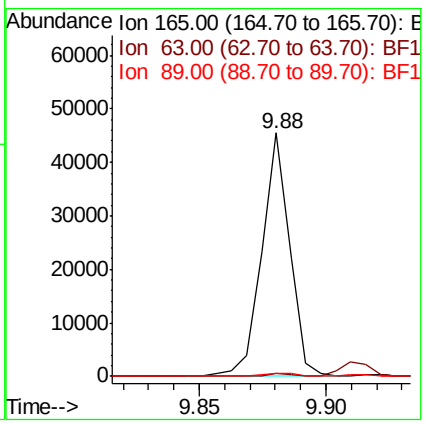


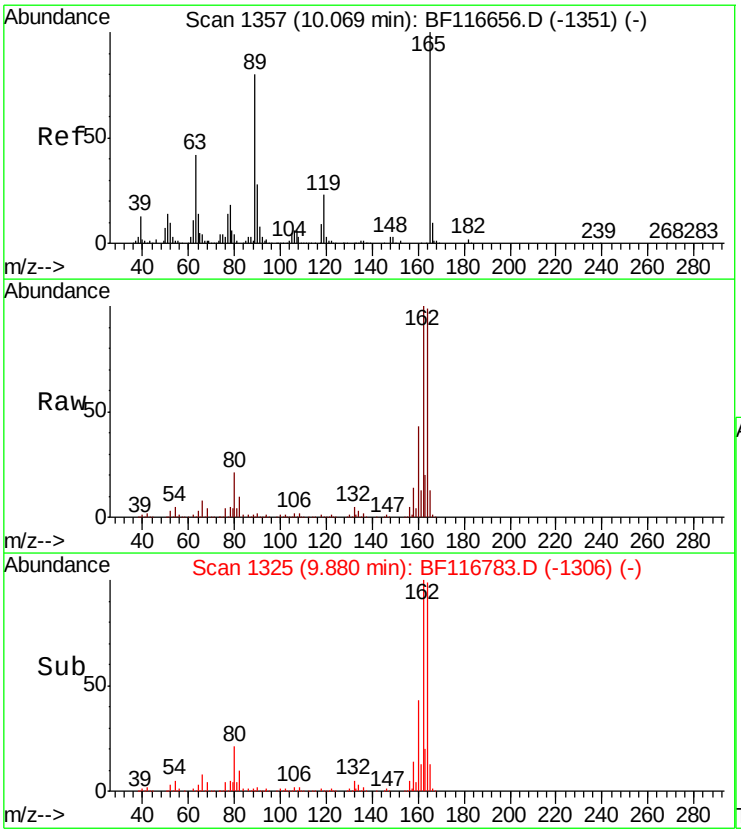
#51
2,6-Dinitrotoluene
Concen: 10.195 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.22 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 35144

Ion	Ratio	Lower	Upper
165	100		
63	1.4	47.3	70.9#
89	1.0	52.5	78.7#

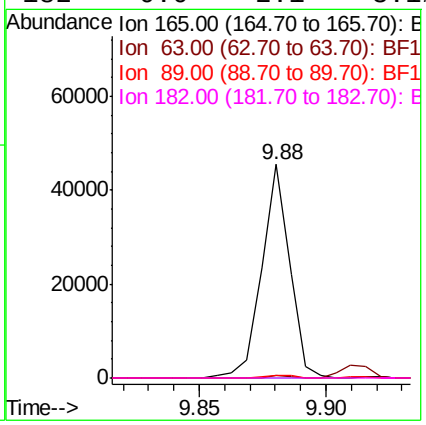


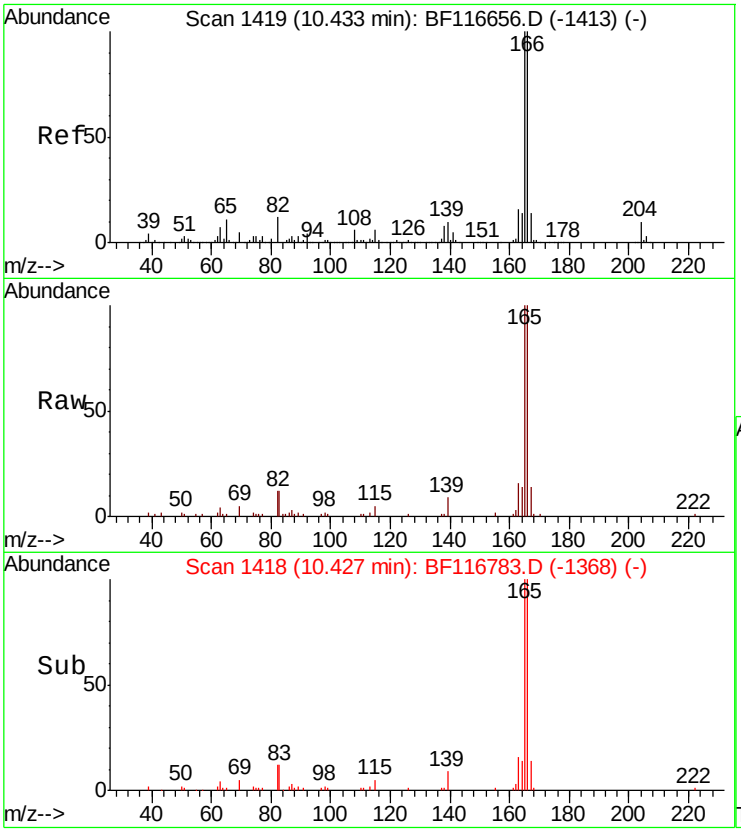


#57
2,4-Dinitrotoluene
Concen: 8.338 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:165 Resp: 35144

Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.0	62.6	94.0#
182	0.0	2.1	3.1#



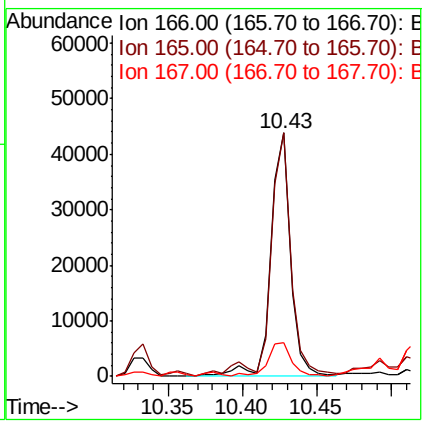


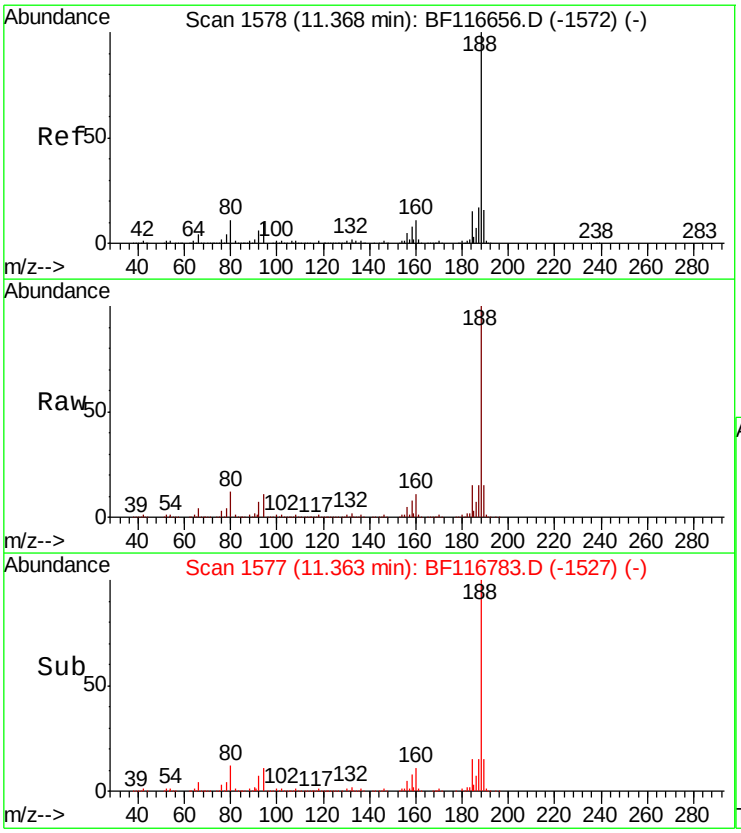
#58
Fluorene
Concen: 2.559 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 40159

Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.8	118.2
167	14.0	10.0	15.0

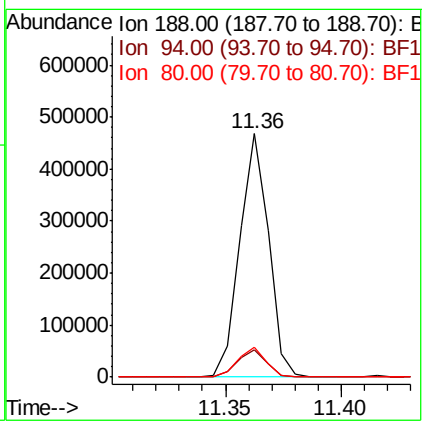


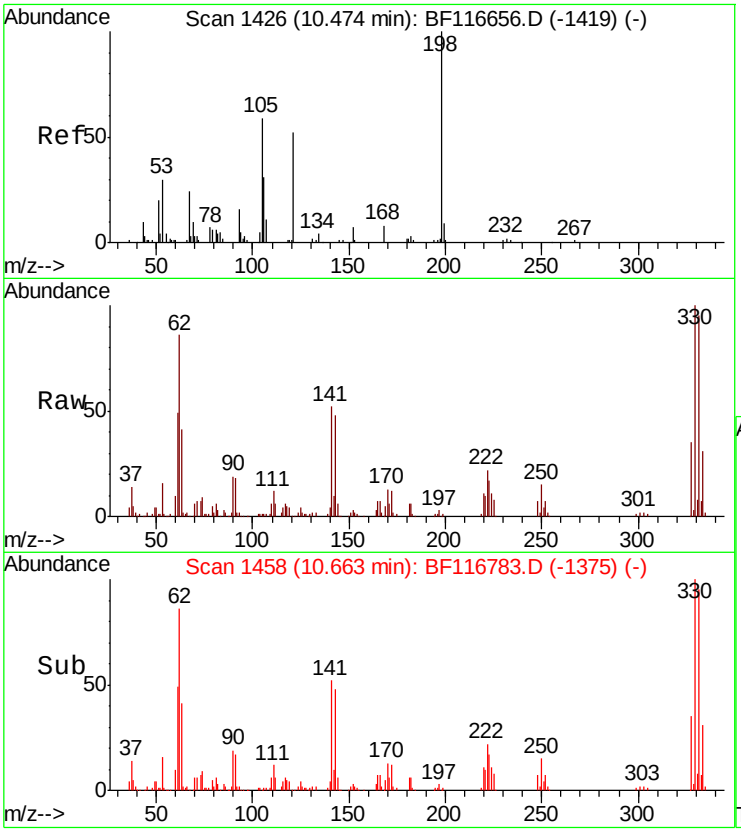


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:188 Resp: 408009

Ion	Ratio	Lower	Upper
188	100		
94	11.1	7.3	10.9#
80	12.3	8.4	12.6



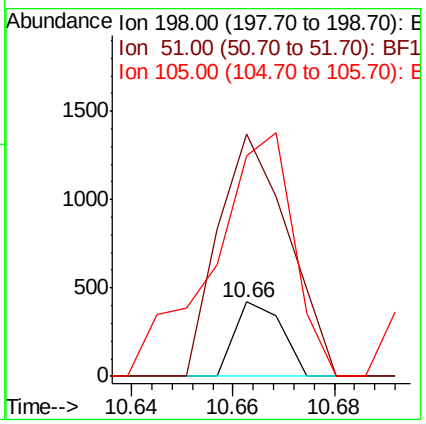


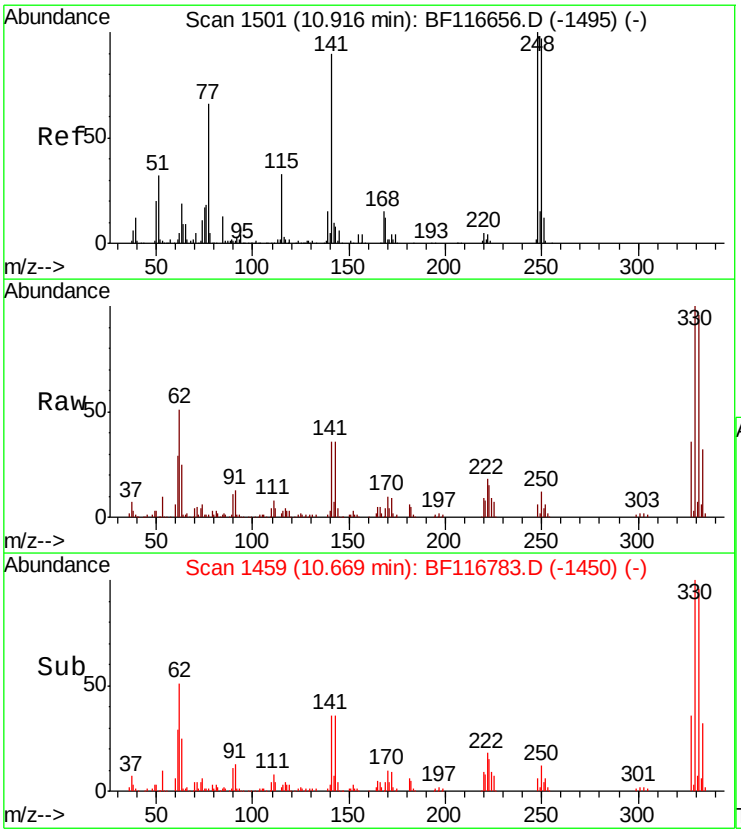
#65
4,6-Dinitro-2-methylphenol
Concen: 7.602 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.19 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 269

Ion	Ratio	Lower	Upper
198	100		
51	325.7	18.4	58.4#
105	296.9	22.9	62.9#

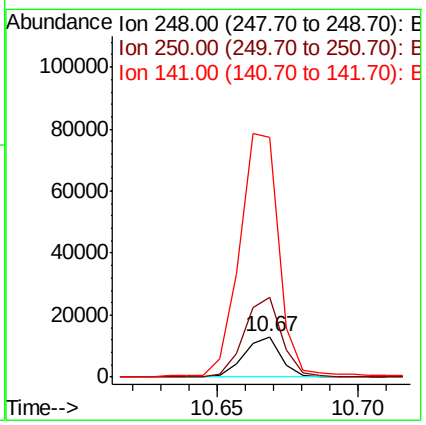


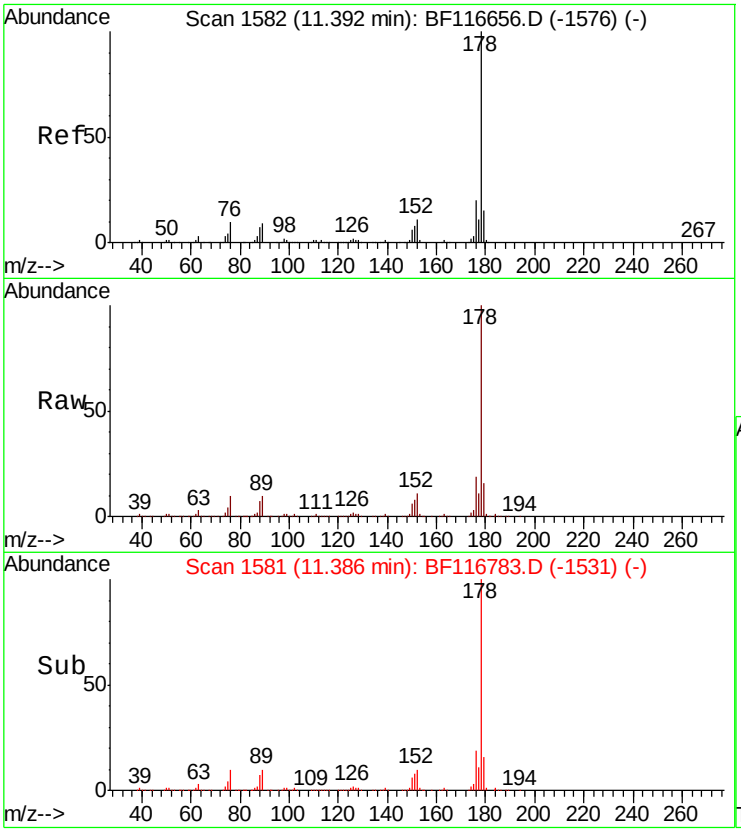


#67
4-Bromophenyl-phenylether
Concen: 2.795 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:248 Resp: 11583

Ion	Ratio	Lower	Upper
248	100		
250	200.2	77.8	116.8#
141	596.4	75.9	113.9#



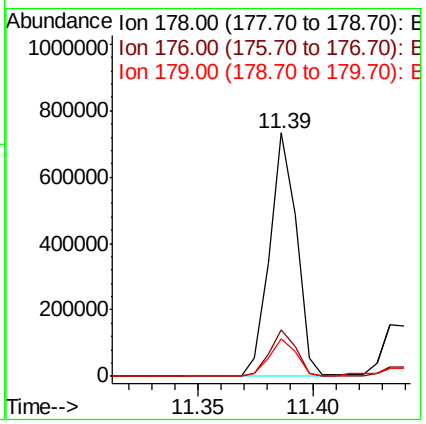


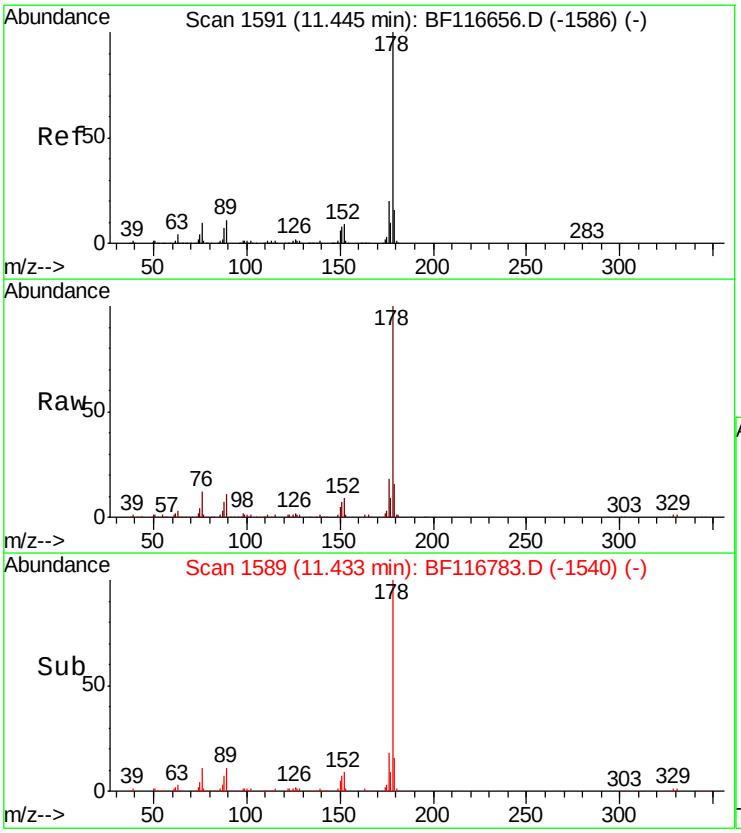
#71
Phenanthrene
Concen: 26.081 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 592354

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.6	12.2	18.2

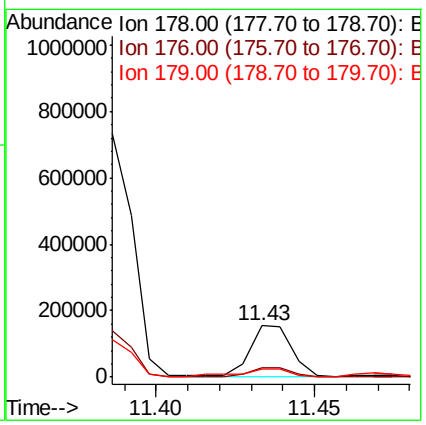


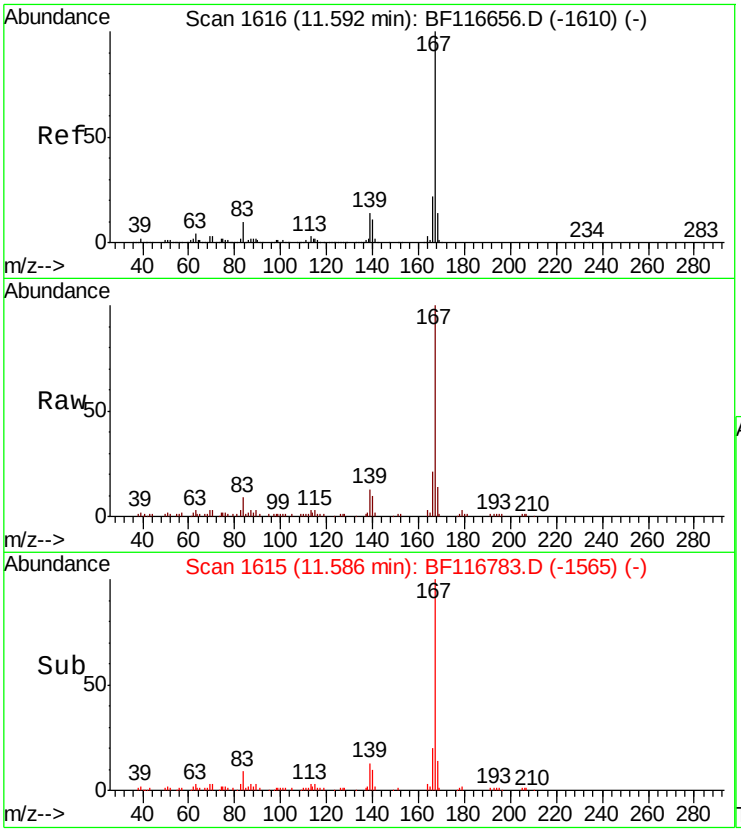


#72
Anthracene
Concen: 6.178 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:178 Resp: 141252

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.0
179	16.2	12.5	18.7



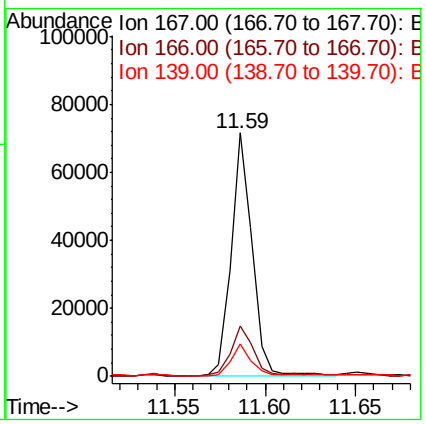


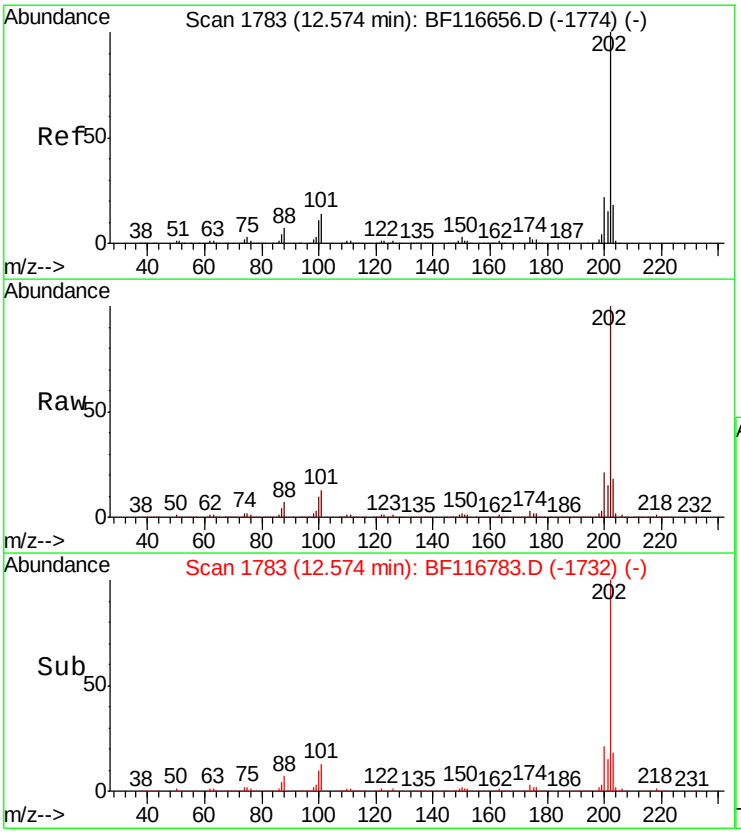
#73
Carbazole
Concen: 2.681 ng
RT: 11.59 min Scan# 1615
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 58397

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.8	26.6
139	13.2	11.1	16.7

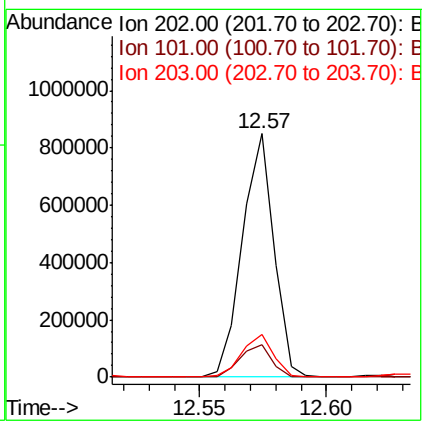


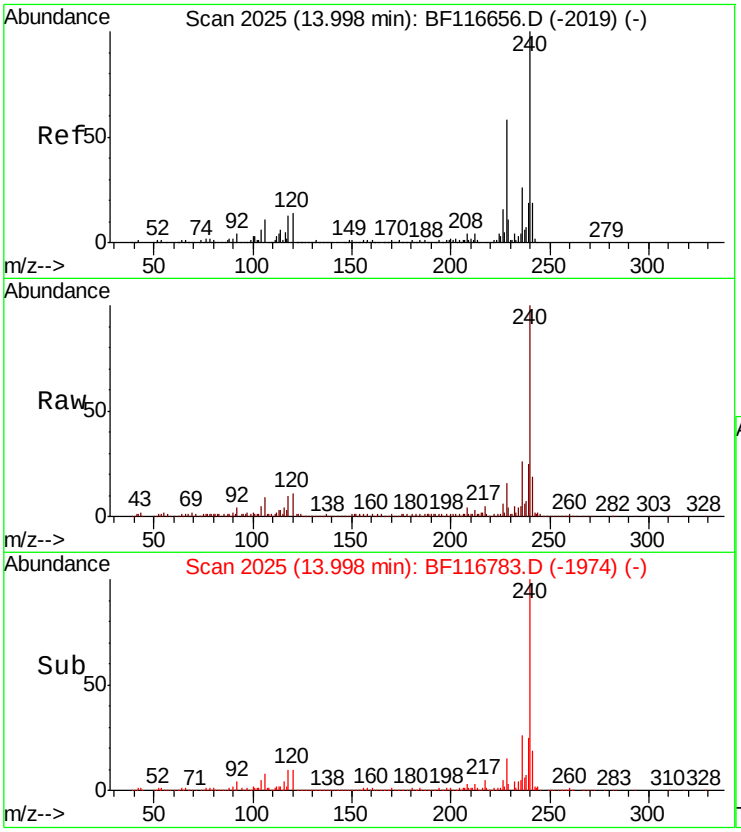


#75
Fluoranthene
Concen: 32.844 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:202 Resp: 733093

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	31.3
203	17.7	0.0	37.6



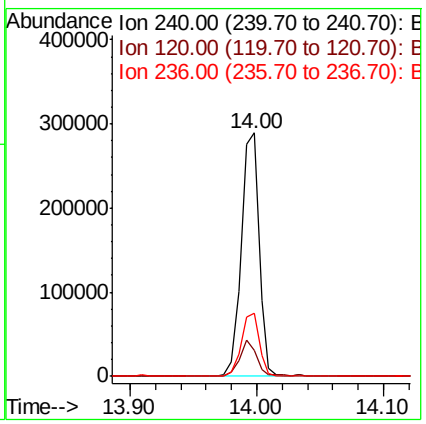


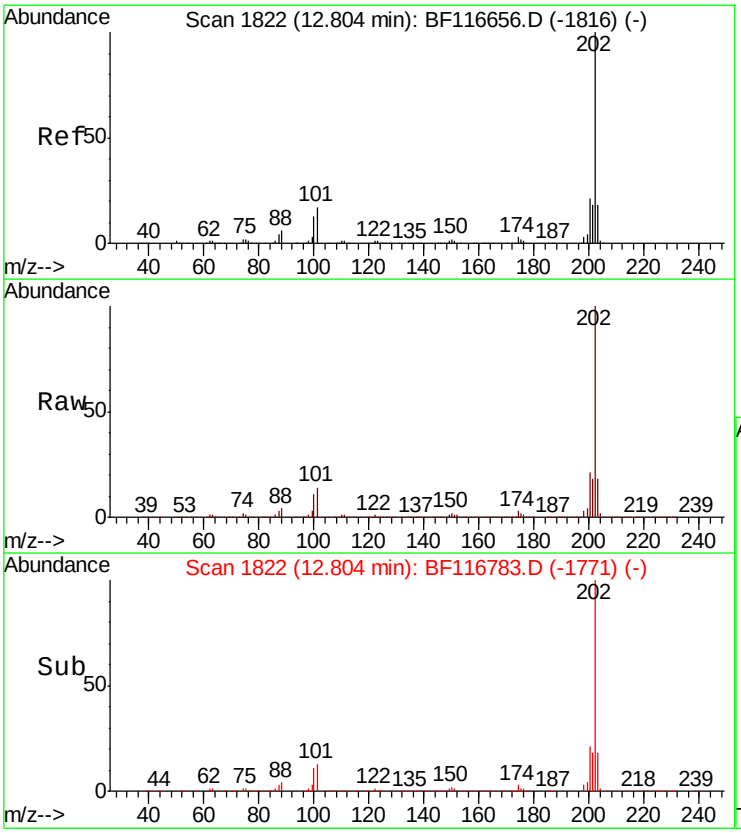
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 281005

Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.1	13.7
236	25.8	21.1	31.7

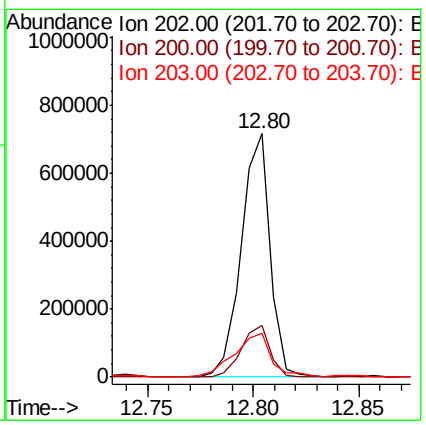


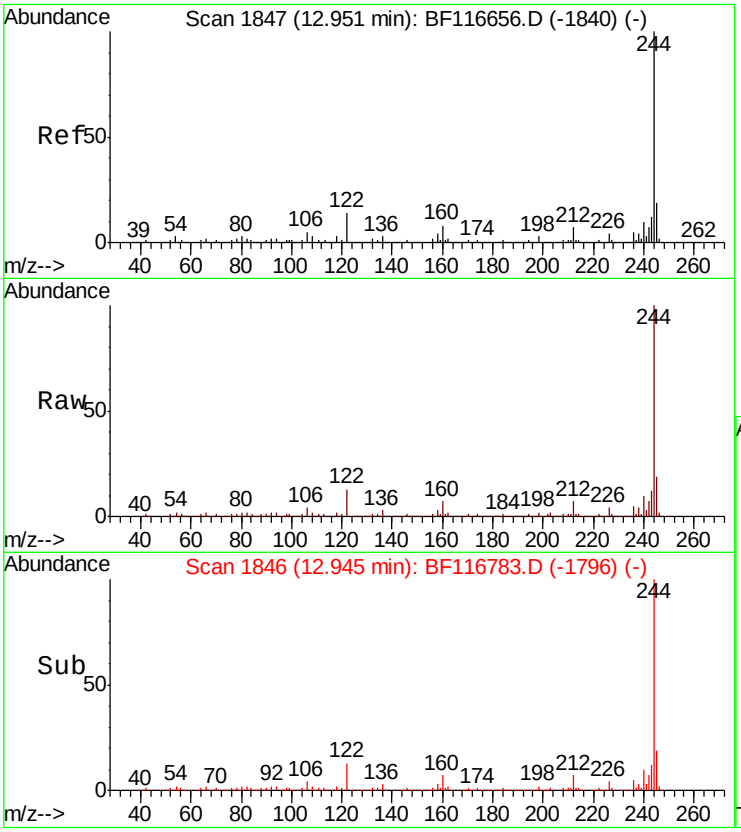


#78
Pyrene
Concen: 27.090 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:202 Resp: 676695

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.5	24.7
203	18.1	13.7	20.5



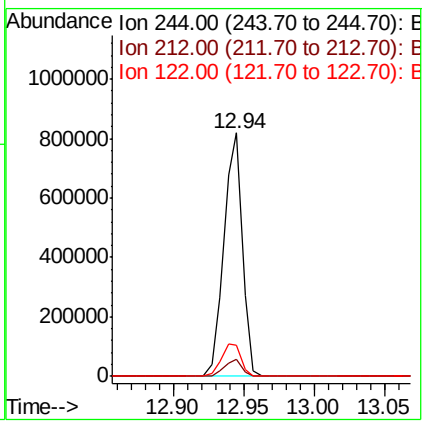


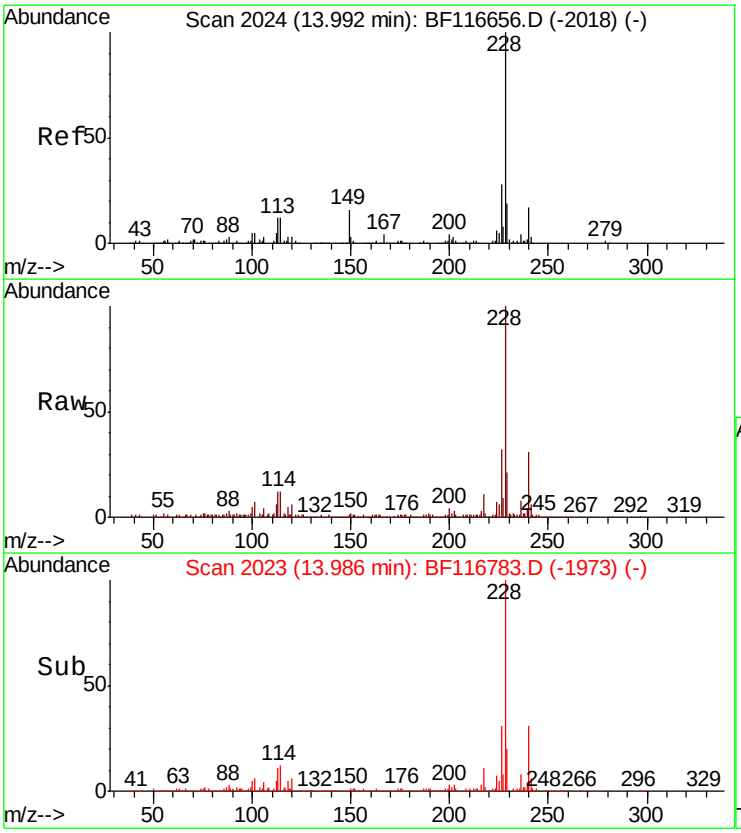
#79
Terphenyl-d14
Concen: 48.889 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 742621

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.1	9.1
122	12.9	10.2	15.4

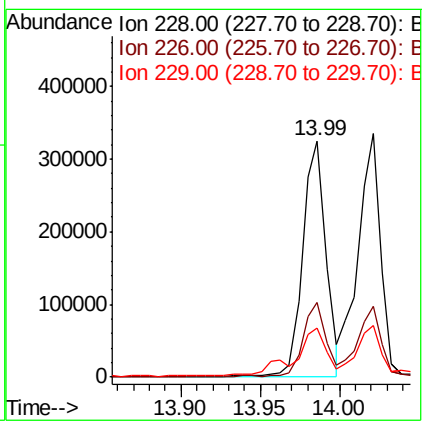


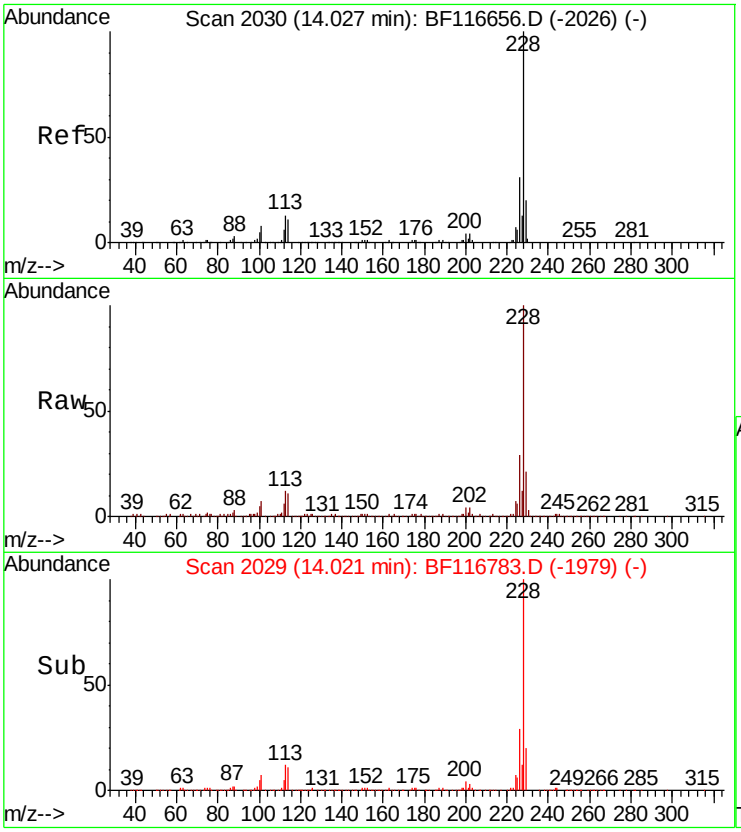


#81
Benzo(a)anthracene
Concen: 18.458 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:228 Resp: 328262

Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.0	33.0
229	20.7	16.4	24.6



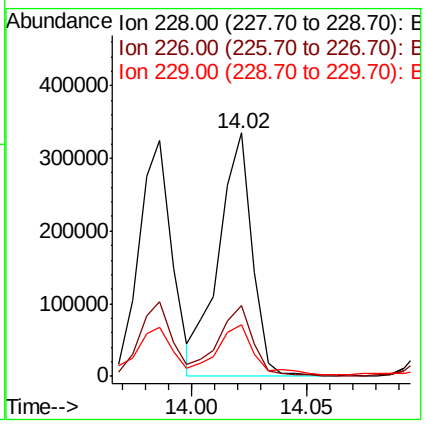


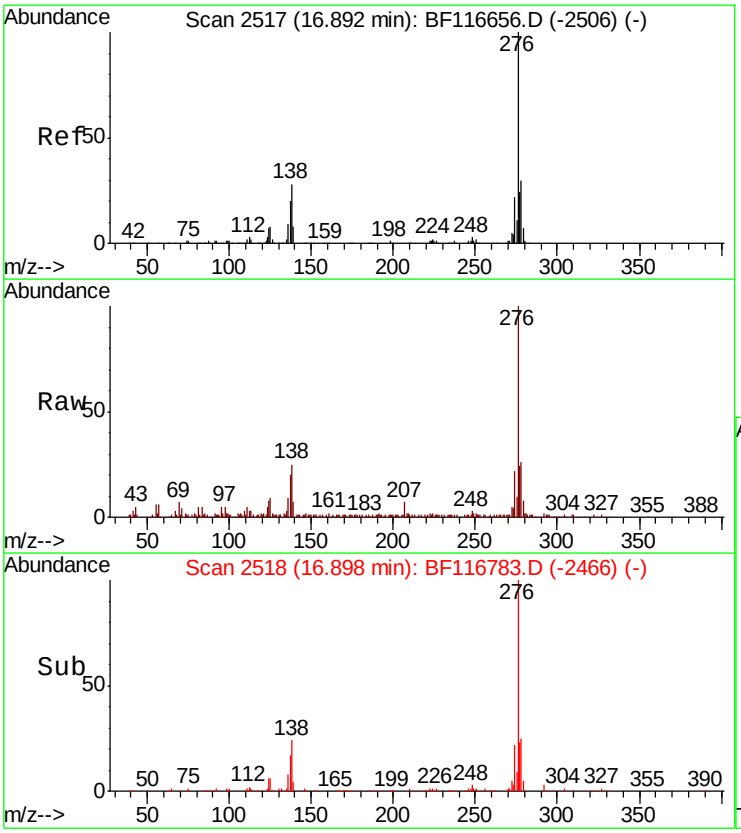
#83
Chrysene
Concen: 18.295 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 335207

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.0	36.0
229	21.2	15.4	23.0

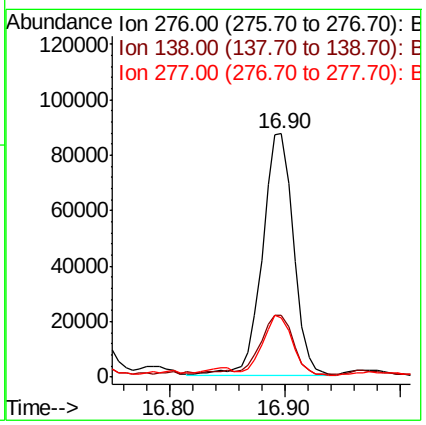


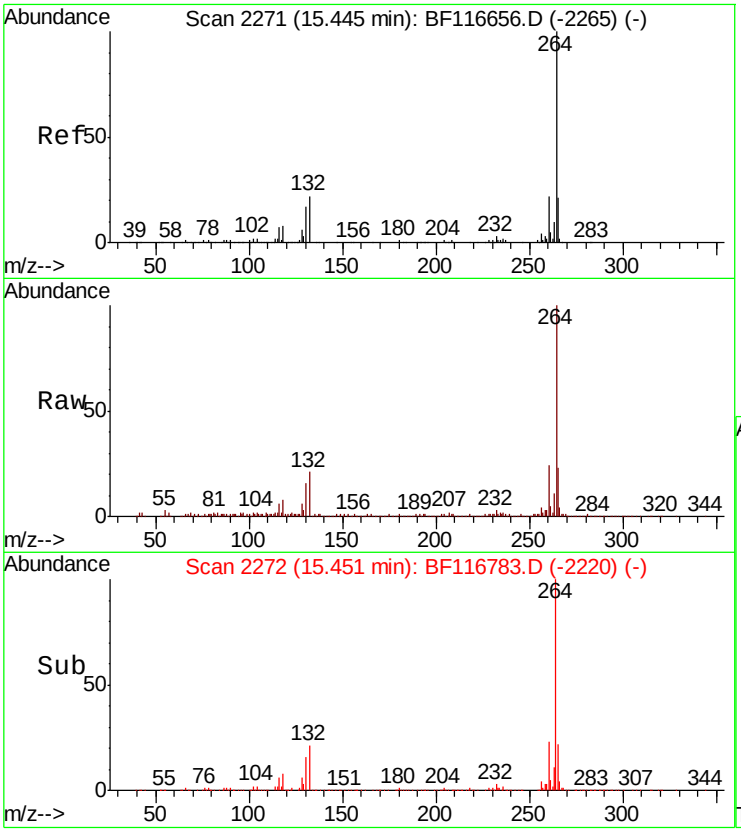


#86
Indeno(1,2,3-cd)pyrene
Concen: 11.081 ng
RT: 16.90 min Scan# 2518
Delta R.T. 0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:276 Resp: 163076

Ion	Ratio	Lower	Upper
276	100		
138	27.0	19.4	29.2
277	23.7	20.5	30.7



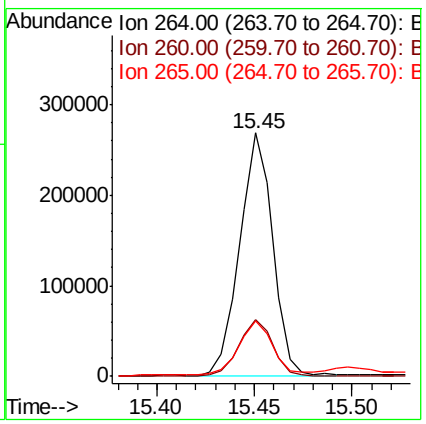


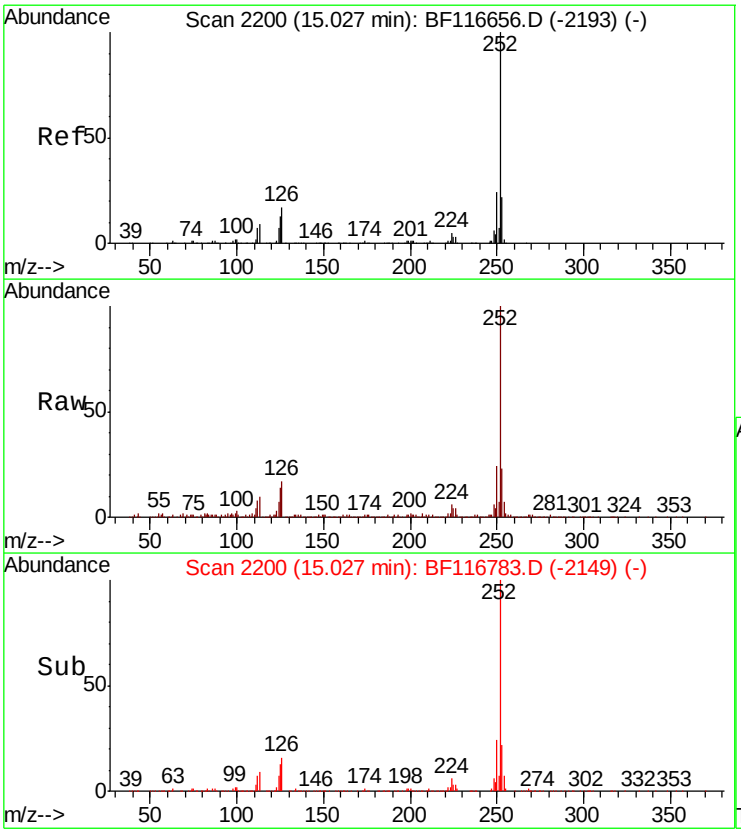
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 313792

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.3	27.5
265	22.7	16.5	24.7

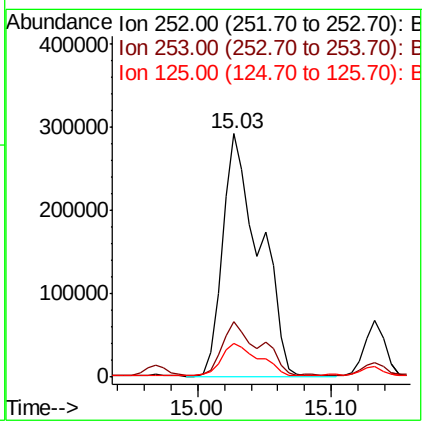


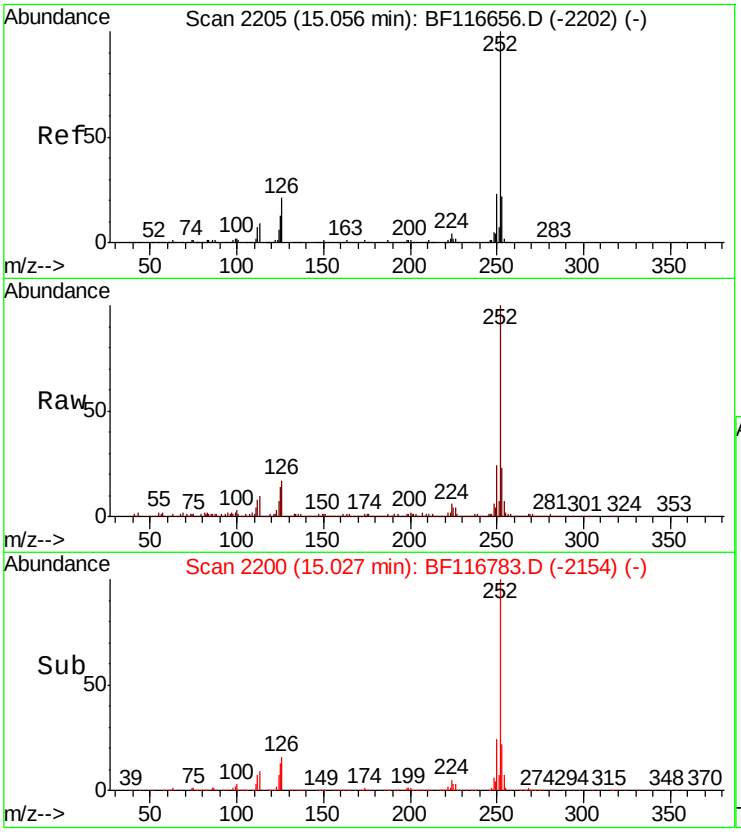


#88
Benzo(b)fluoranthene
Concen: 29.482 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:252 Resp: 559310

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	13.9	8.2	12.2#



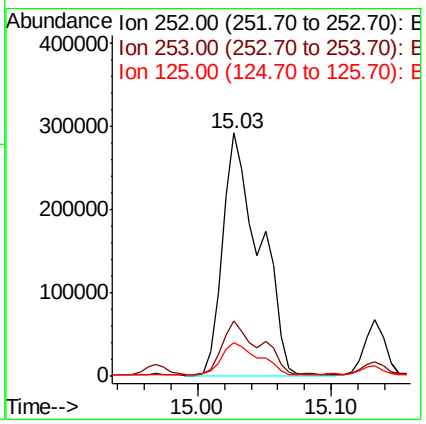


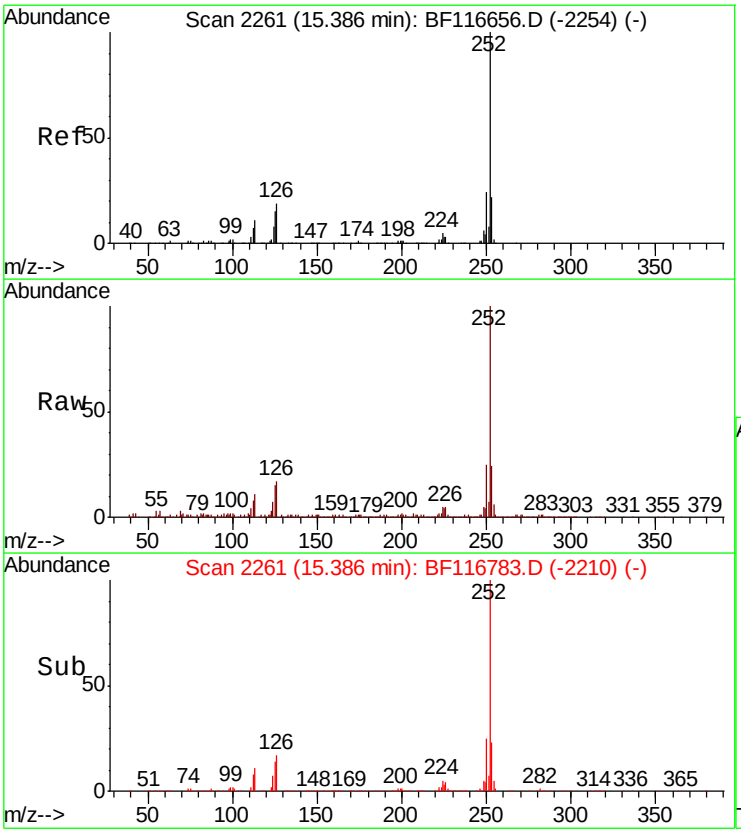
#89
Benzo(k)fluoranthene
Concen: 32.334 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.03 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 559310

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	13.9	8.6	13.0#

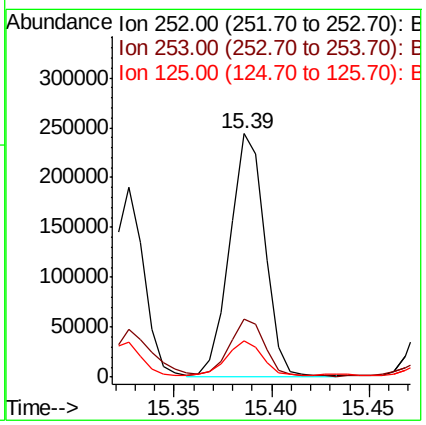


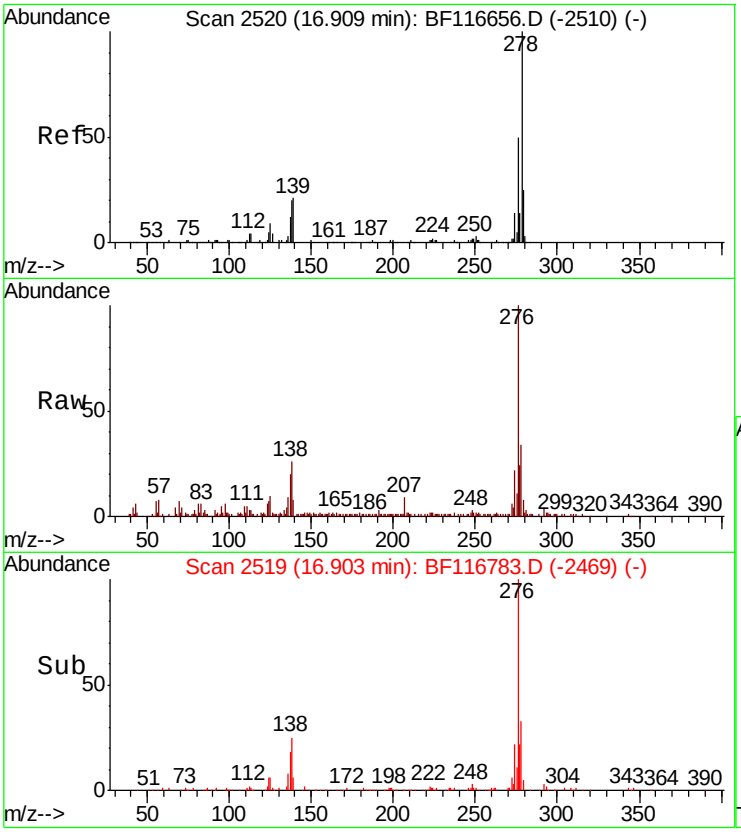


#90
Benzo(a)pyrene
Concen: 18.342 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:252 Resp: 302734

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	14.9	9.8	14.8#



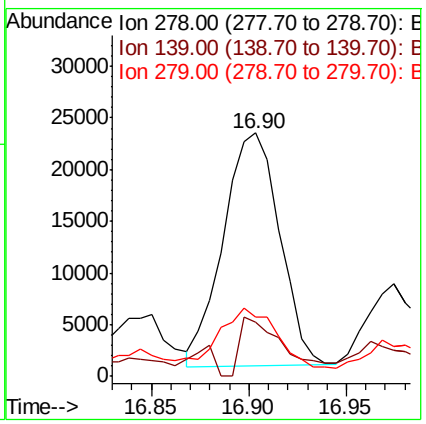


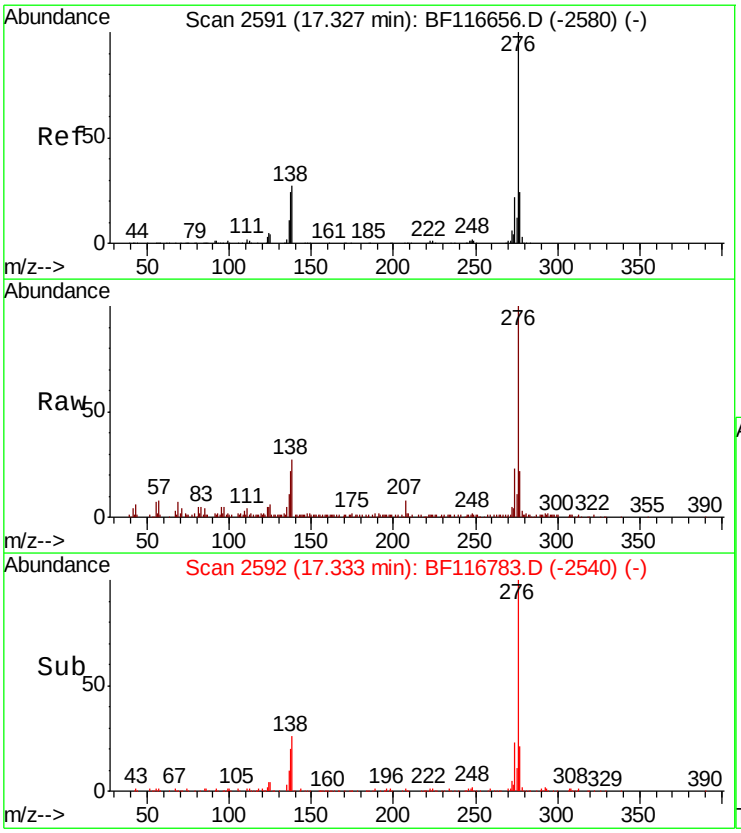
#91
Dibenzo(a,h)anthracene
Concen: 3.128 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 45192

Ion	Ratio	Lower	Upper
278	100		
139	22.4	12.4	18.6#
279	24.2	18.2	27.4





#92
Benzo(g,h,i)perylene
Concen: 9.941 ng
RT: 17.33 min Scan# 2592
Delta R.T. 0.01 min
Lab File: BF116783.D
Acq: 3 Sep 2019 20:06

Tgt Ion:276 Resp: 146476

Ion	Ratio	Lower	Upper
276	100		
277	22.0	18.5	27.7
138	26.7	16.2	24.2#