Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
Data File : BF116678.D
Acq On : 31 Aug 2019 4:13
Operator : HP/JU
Sample : K4527-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 31 05:00:06 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	110086	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	430151	20.00	ng		0.00
39) Acenaphthene-d10	9.88	164	221505	20.00	ng		0.00
64) Phenanthrene-d10	11.36	188	357695	20.00	ng		0.00
76) Chrysene-d12	13.99	240	216350	20.00	ng		0.00
87) Perylene-d12	15.44	264	249441	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	613496	90.28	ng		0.00
7) Phenol-d6	6.47	99	828304	92.83	ng		0.00
23) Nitrobenzene-d5	7.40	82	508588	67.50	ng		0.00
42) 2,4,6-Tribromophenol	10.66	330	144131	97.33	ng		-0.01
45) 2-Fluorobiphenyl	9.20	172	810223	61.70	ng		0.00
79) Terphenyl-d14	12.95	244	698762	59.75	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.49	94	37668	3.812	ng		89
19) n-Nitroso-di-n-propylamine	7.40	70	68755	11.703	ng	#	73
25) Isophorone	7.40	82	508577	33.309	ng	#	66
50) Dimethylphthalate	9.59	163	85085	5.564	ng		99
51) 2,6-Dinitrotoluene	9.88	165	29351	10.060	ng	#	21
57) 2,4-Dinitrotoluene	9.88	165	29351	8.227	ng	#	21
65) 4,6-Dinitro-2-methylphenol	10.66	198	281	7.631	ng	#	1
67) 4-Bromophenyl-phenylether	10.66	248	9924	2.731	ng	#	1
71) Phenanthrene	11.38	178	80929	4.064	ng		100
75) Fluoranthene	12.57	202	170322	8.704	ng		98
78) Pyrene	12.80	202	201340	10.469	ng		99
81) Benzo(a)anthracene	13.98	228	100726	7.356	ng		99
83) Chrysene	14.02	228	101183	7.173	ng		97
86) Indeno(1,2,3-cd)pyrene	16.88	276	56226	4.962	ng		99
88) Benzo(b)fluoranthene	15.02	252	157955	10.474	ng	#	94
89) Benzo(k)fluoranthene	15.02	252	157955	11.487	ng	#	95
90) Benzo(a)pyrene	15.38	252	88408	6.738	ng	#	95
92) Benzo(g,h,i)perylene	17.32	276	51432	4.391	ng	#	92

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

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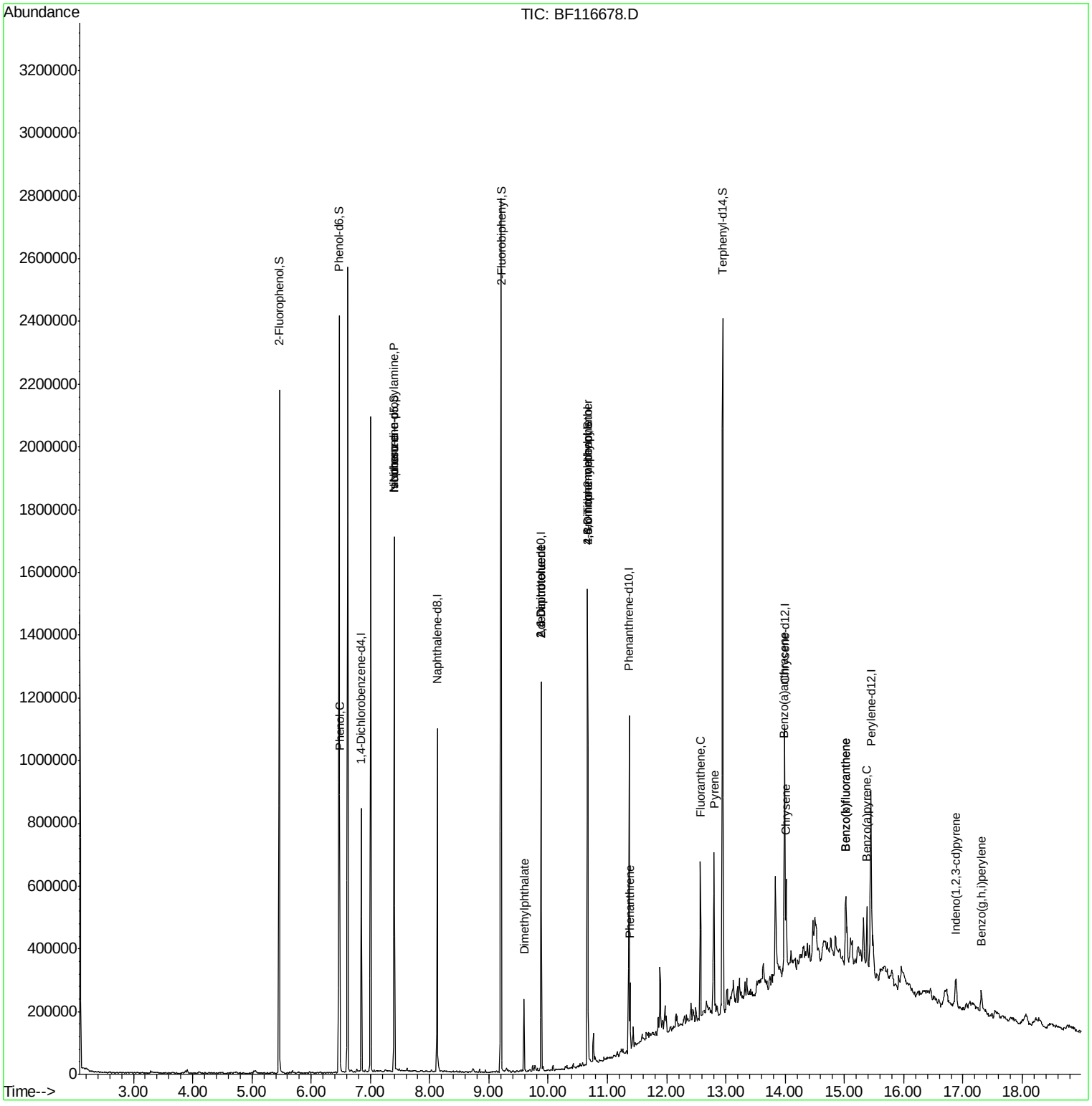
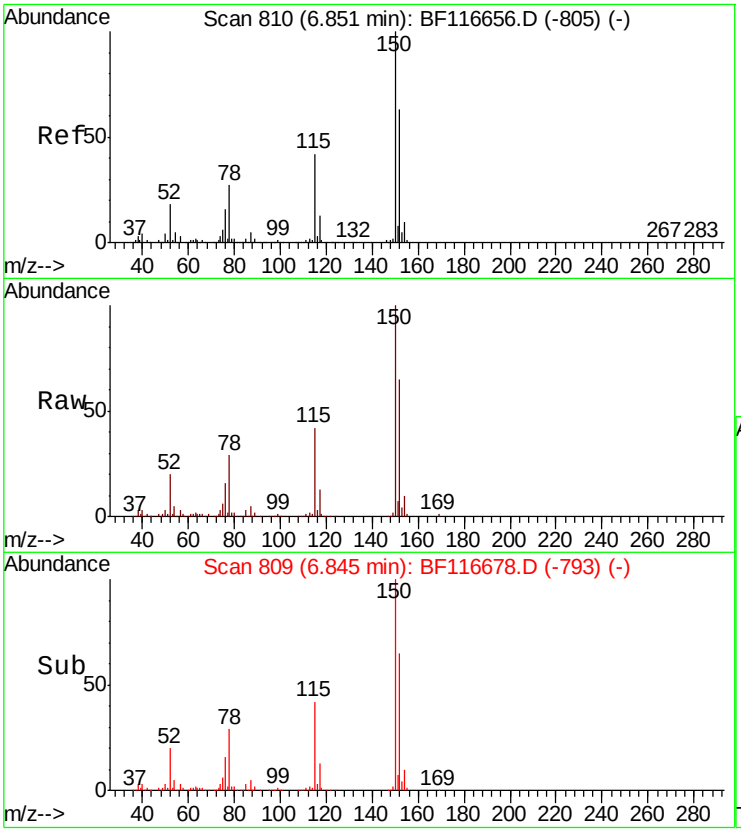


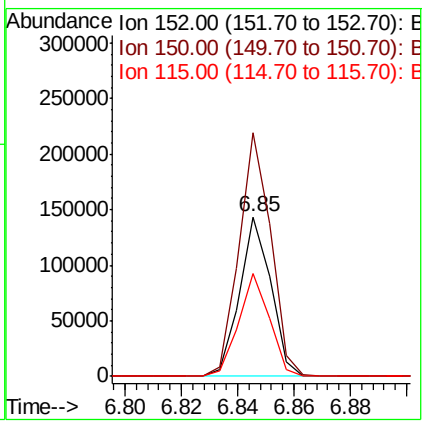


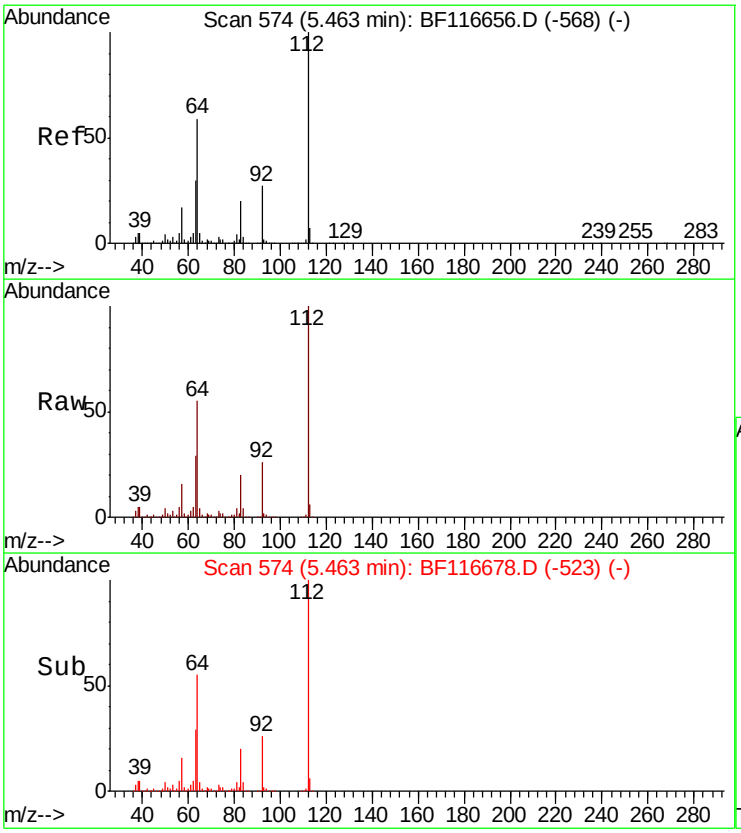
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 110086

Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.4	186.6
115	64.8	49.9	74.9

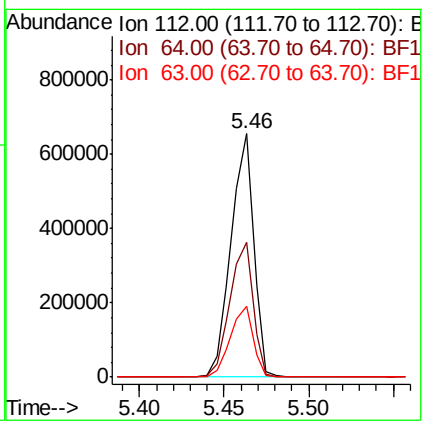


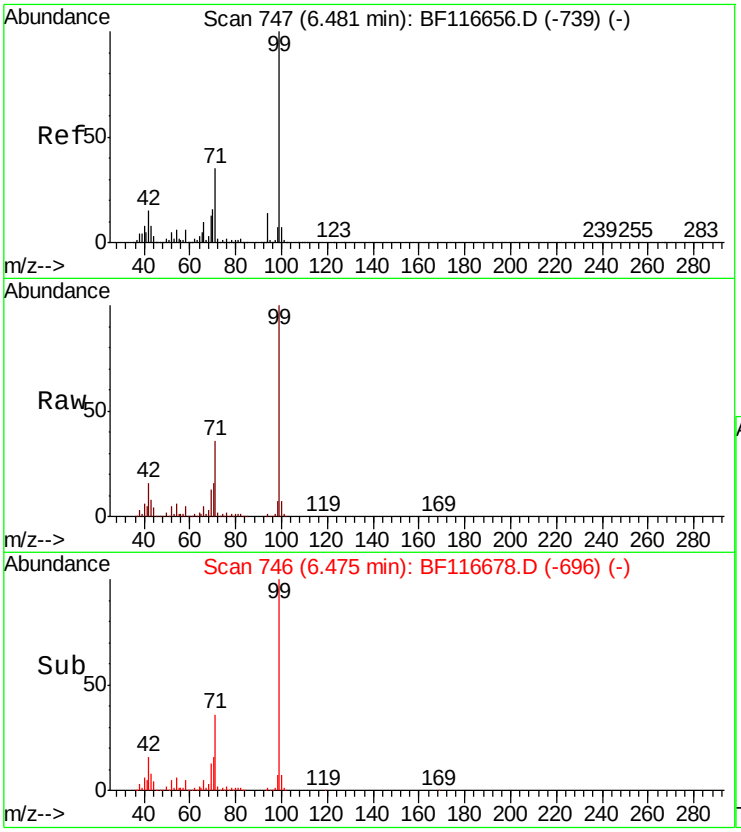


#5
2-Fluorophenol
Concen: 90.284 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion:112 Resp: 613496

Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.1	70.7
63	29.3	24.9	37.3



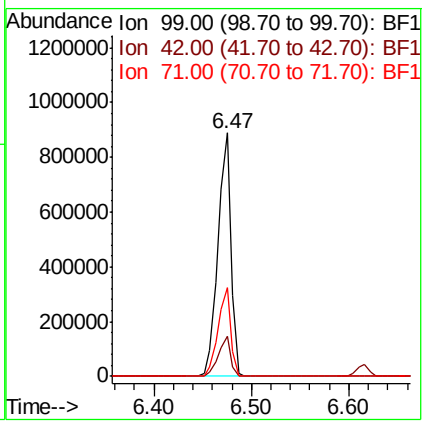


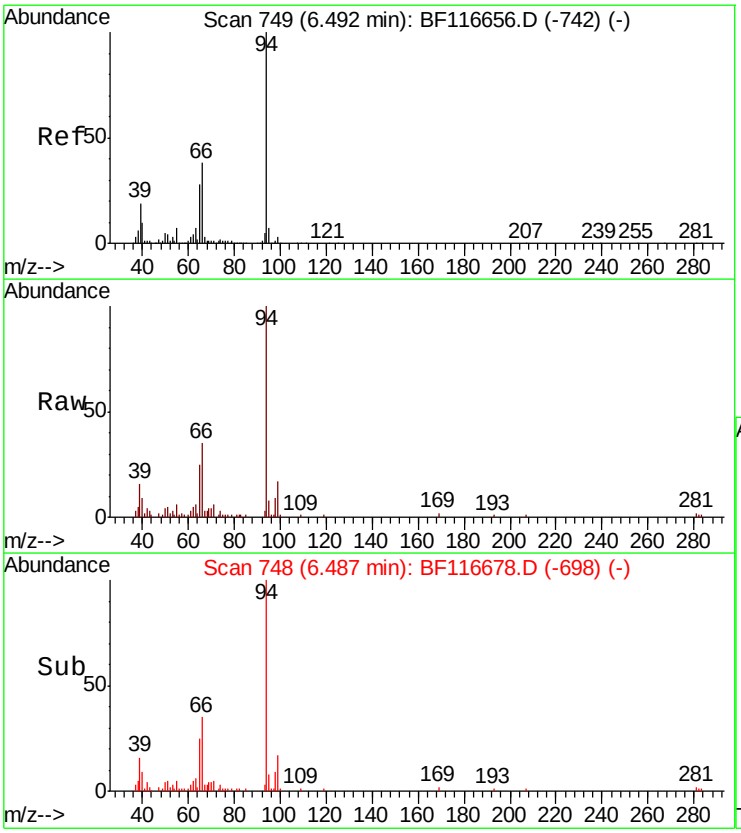
#7
Phenol-d6
Concen: 92.830 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 828304

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.7	20.5
71	36.3	30.8	46.2

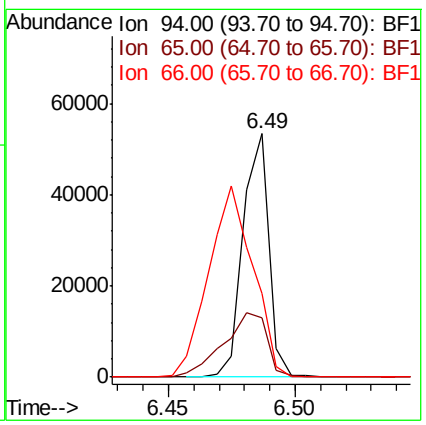


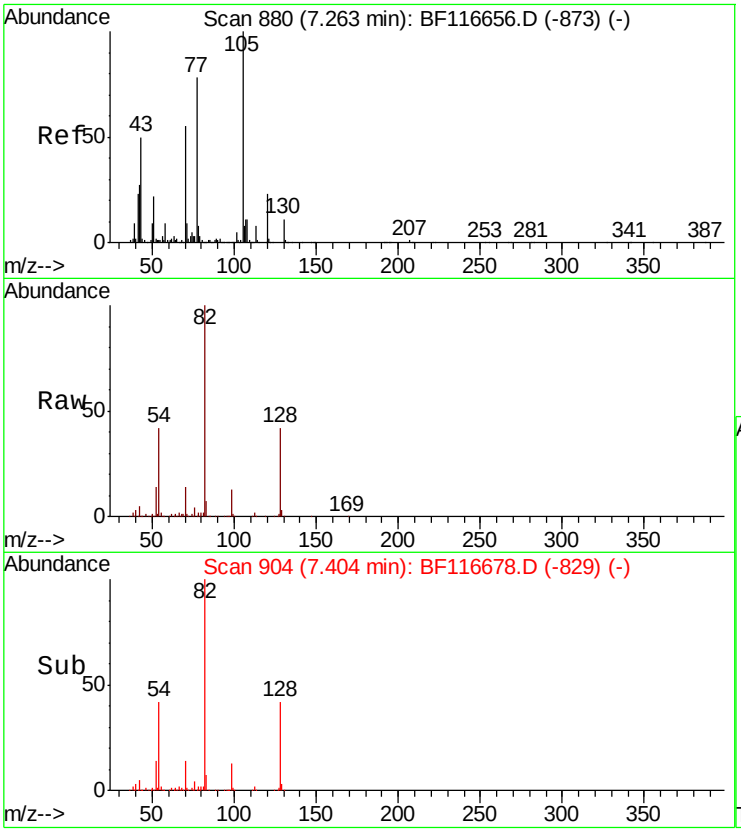


#10
Phenol
Concen: 3.812 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion: 94 Resp: 37668

Ion	Ratio	Lower	Upper
94	100		
65	24.6	10.8	50.8
66	34.5	21.1	61.1



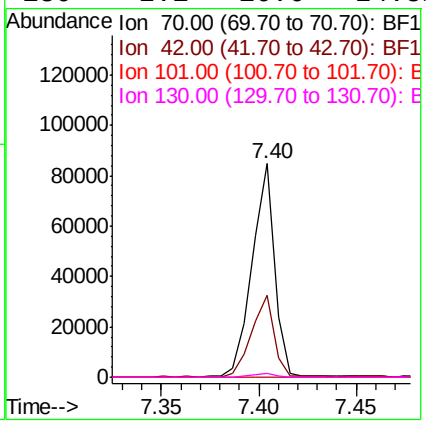


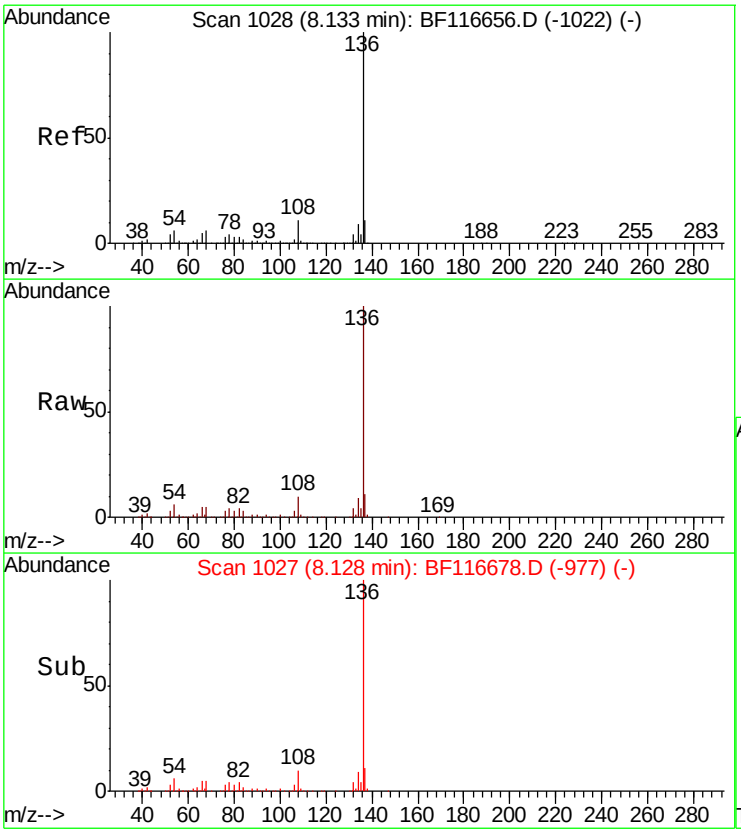
#19
n-Nitroso-di-n-propylamine
Concen: 11.703 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 68755

Ion	Ratio	Lower	Upper
70	100		
42	38.1	43.5	65.3#
101	0.0	7.8	11.6#
130	2.1	16.6	24.8#

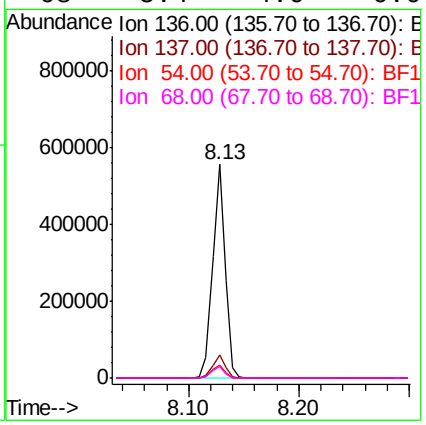


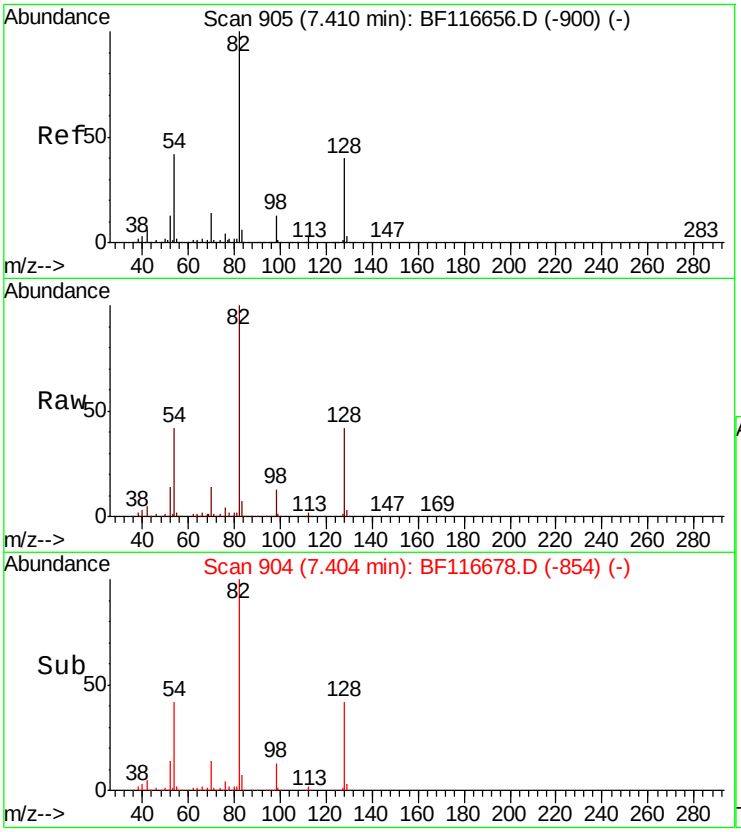


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion:136 Resp: 430151

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.2	4.8	7.2
68	5.4	4.0	6.0



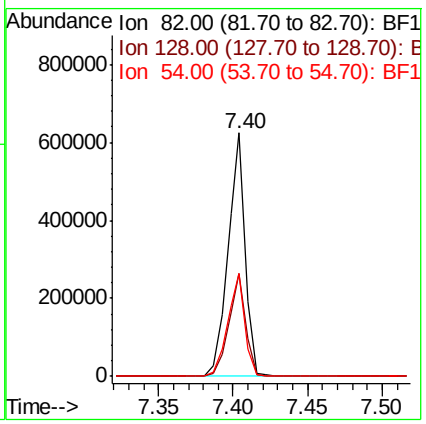


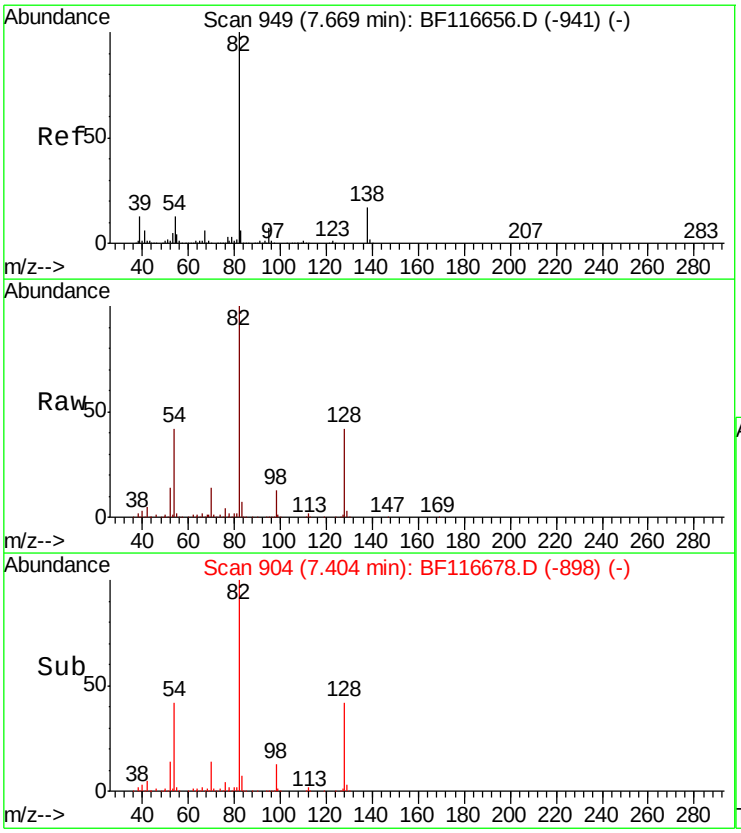
#23
Nitrobenzene-d5
Concen: 67.497 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 508588

Ion	Ratio	Lower	Upper
82	100		
128	42.1	32.8	49.2
54	42.0	36.9	55.3

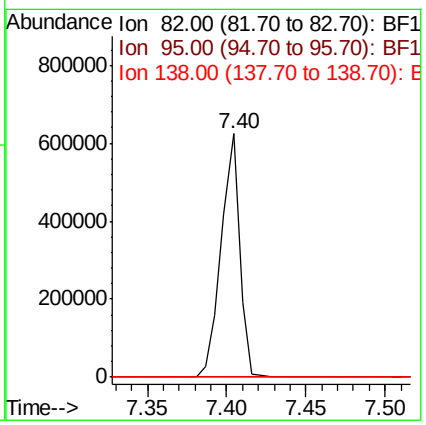


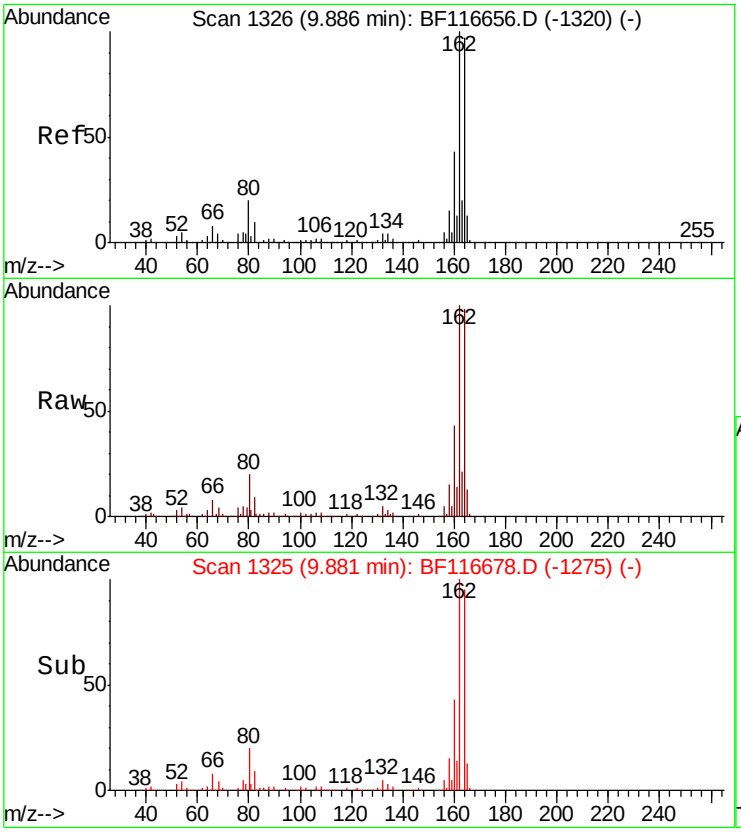


#25
Isophorone
Concen: 33.309 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion: 82 Resp: 508577

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.8	8.6#
138	0.0	13.5	20.3#



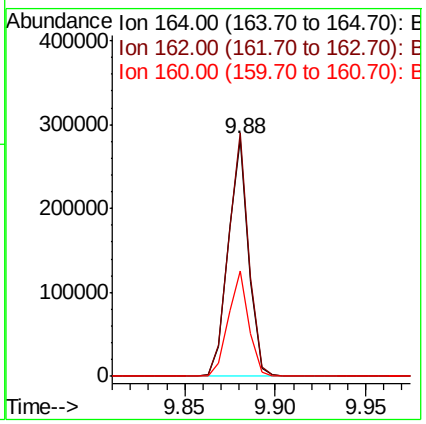


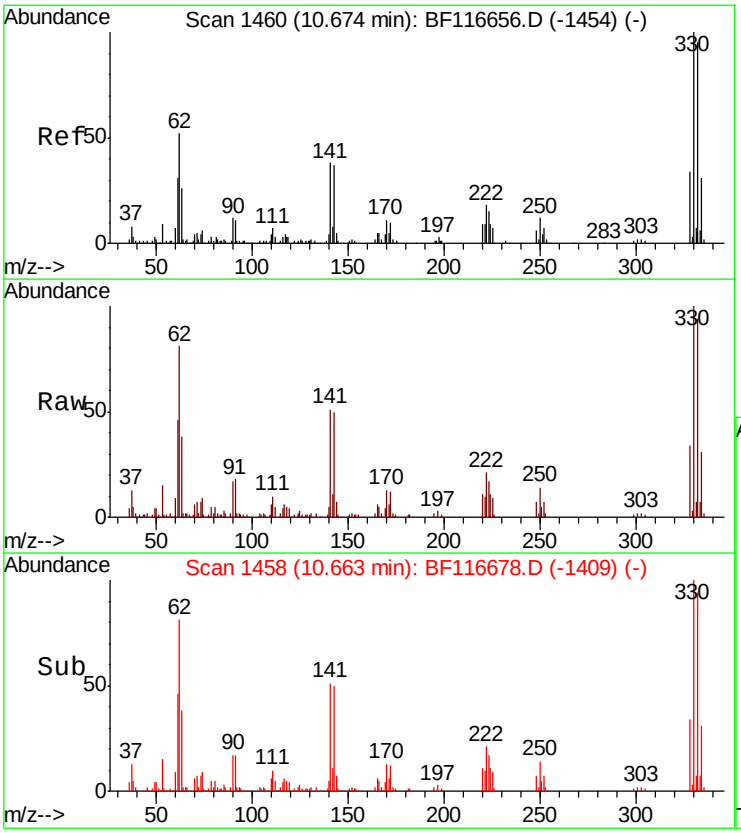
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 221505

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.4	122.0
160	44.4	35.4	53.2

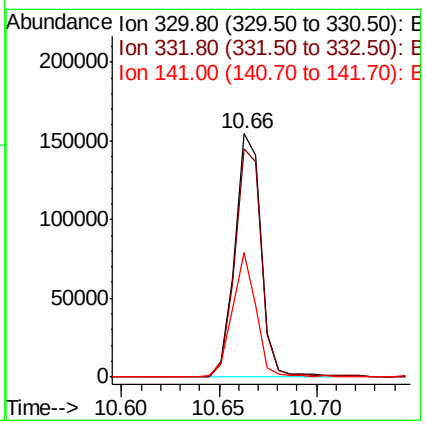


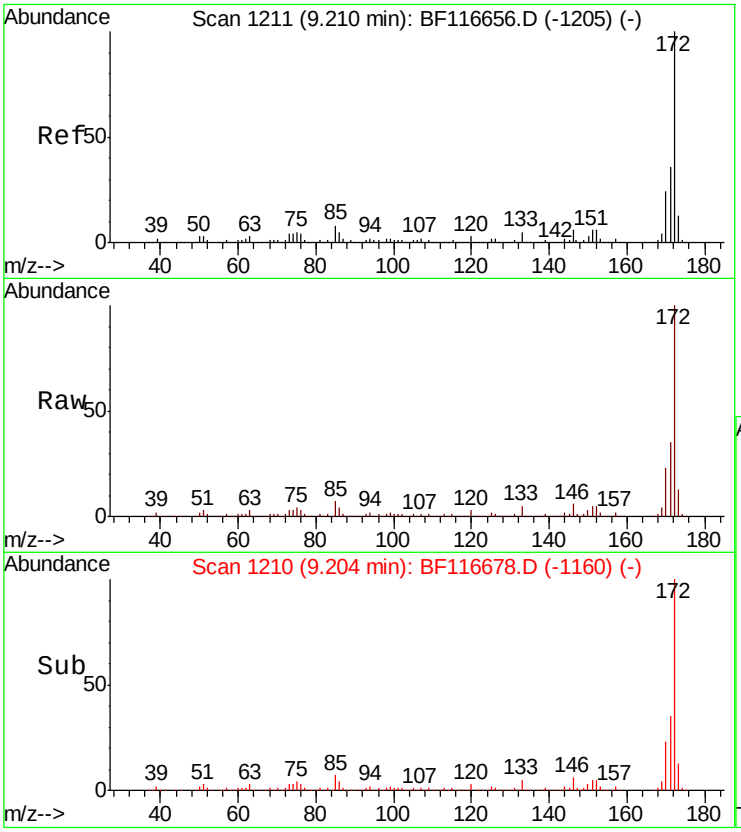


#42
2,4,6-Tribromophenol
Concen: 97.333 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion:330 Resp: 144131

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.9	115.3
141	47.2	31.4	47.2#



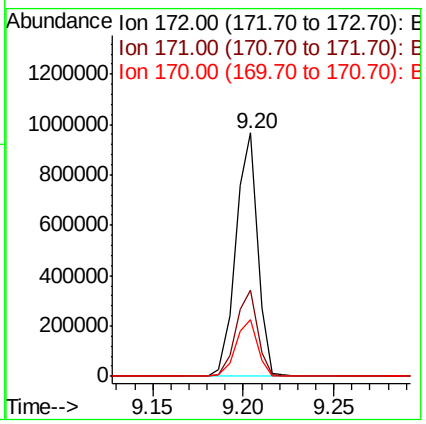


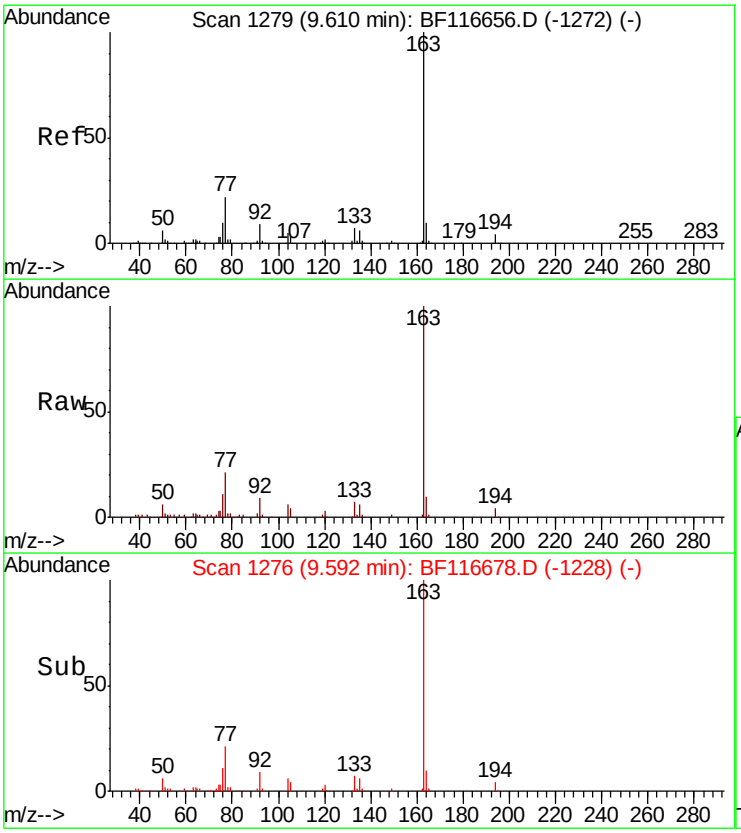
#45
2-Fluorobiphenyl
Concen: 61.703 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 810223

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.8	41.6
170	23.5	18.9	28.3

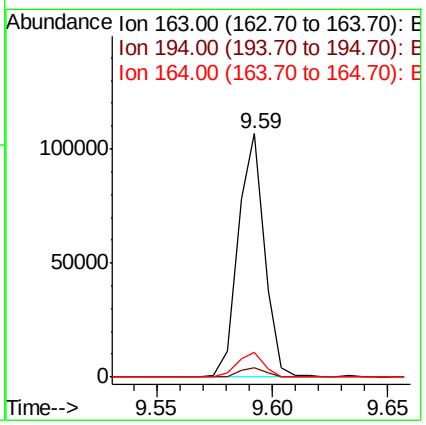


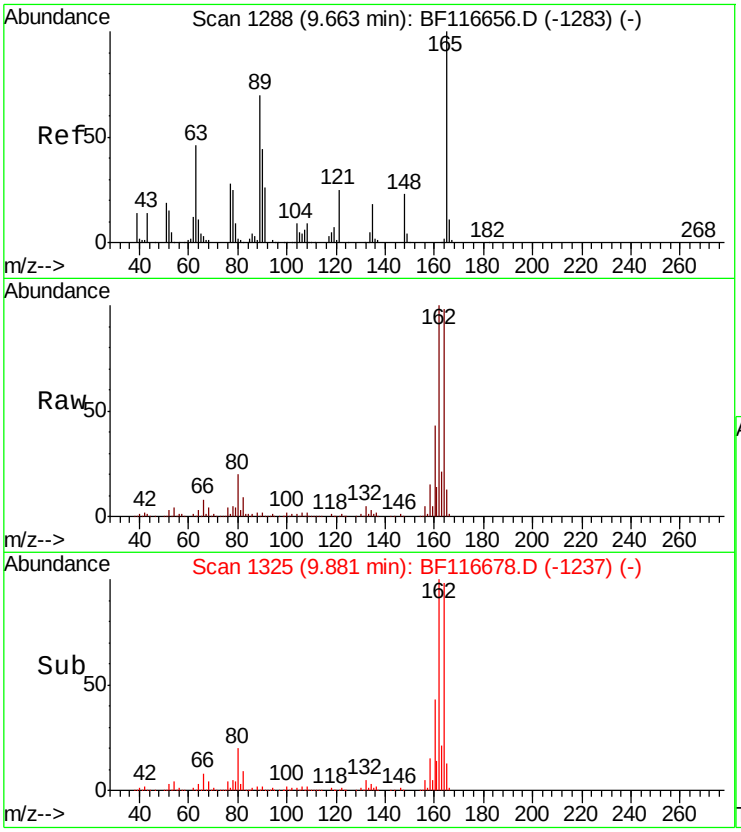


#50
Dimethylphthalate
Concen: 5.564 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion:163 Resp: 85085

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.8	4.2
164	10.3	8.6	12.8



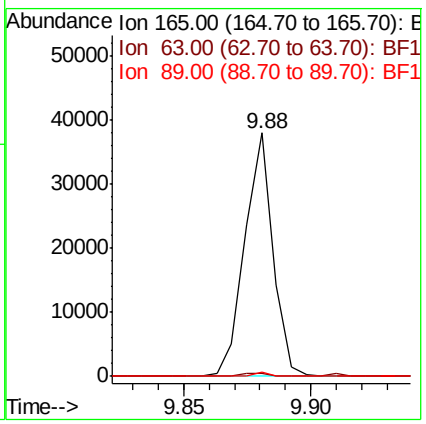


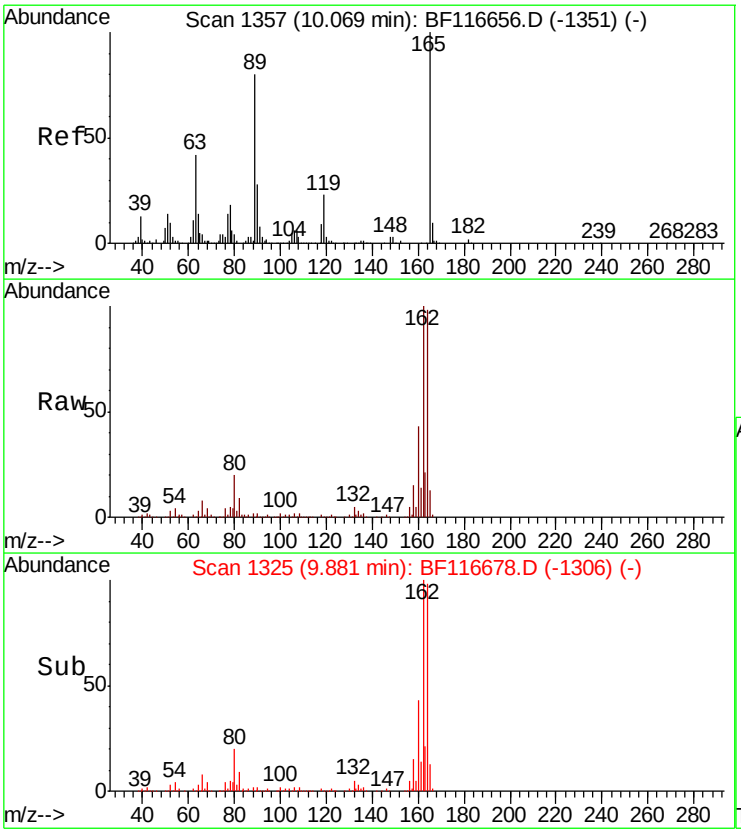
#51
2,6-Dinitrotoluene
Concen: 10.060 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.22 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 29351

Ion	Ratio	Lower	Upper
165	100		
63	1.2	47.3	70.9#
89	1.5	52.5	78.7#

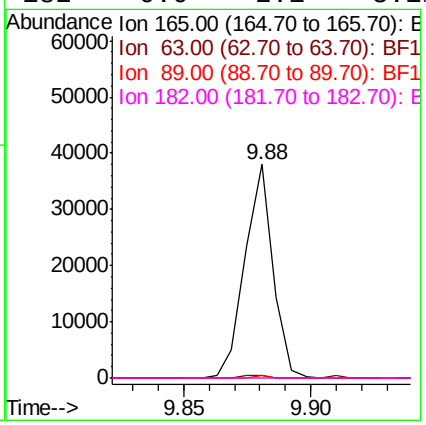


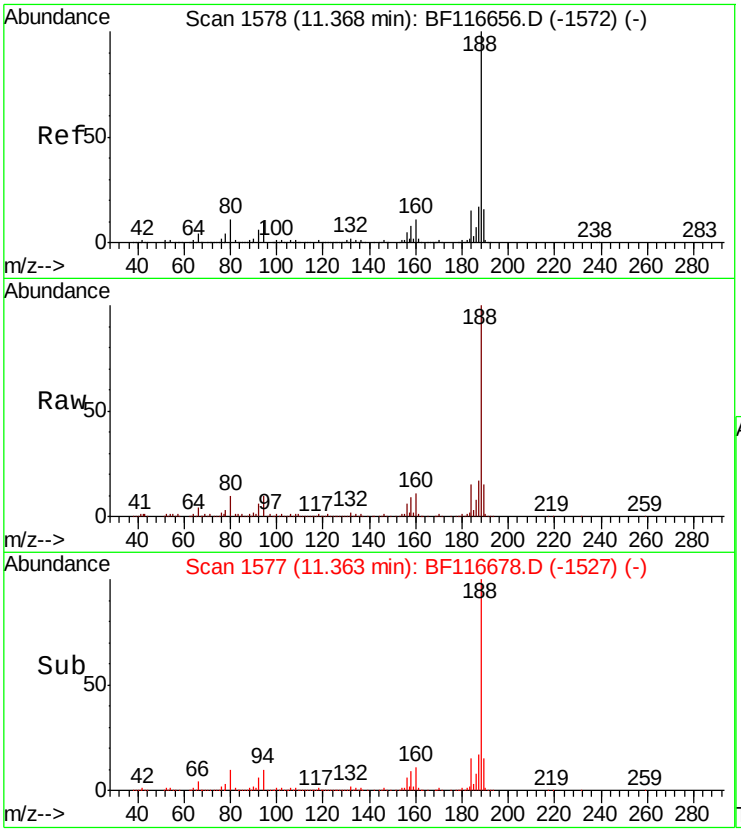


#57
2,4-Dinitrotoluene
Concen: 8.227 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion:165 Resp: 29351

Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.5	62.6	94.0#
182	0.0	2.1	3.1#



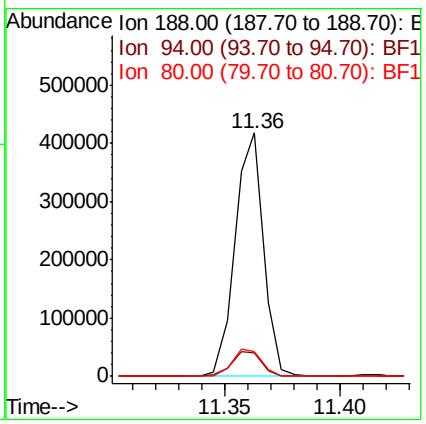


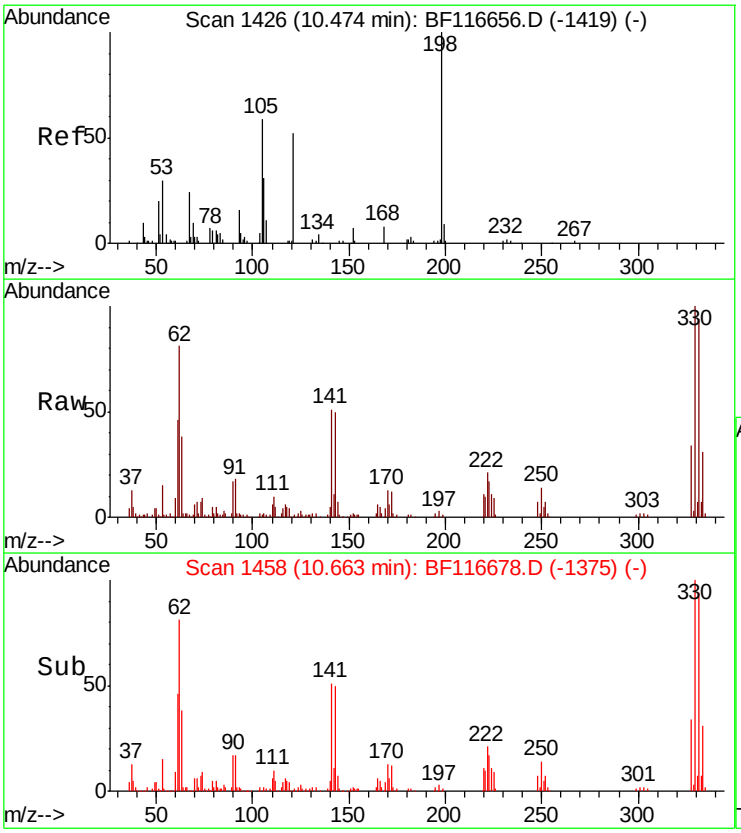
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 357695

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.3	10.9
80	10.3	8.4	12.6

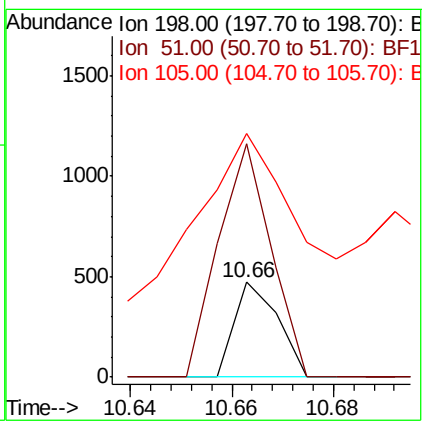


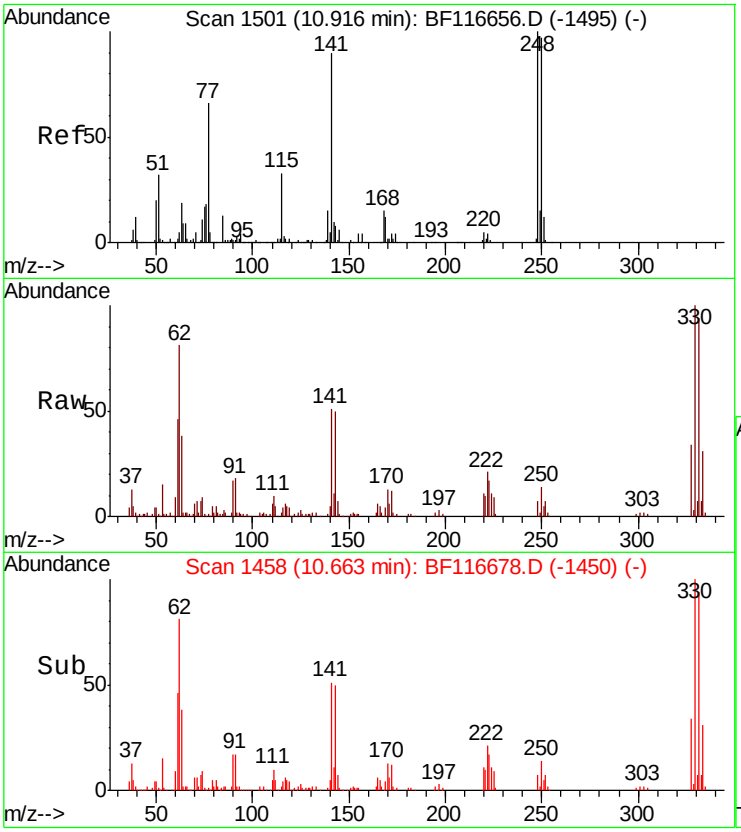


#65
4,6-Dinitro-2-methylphenol
Concen: 7.631 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.19 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion:198 Resp: 281

Ion	Ratio	Lower	Upper
198	100		
51	245.9	18.4	58.4#
105	256.2	22.9	62.9#



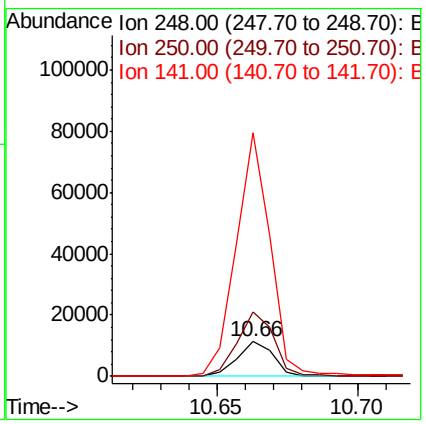


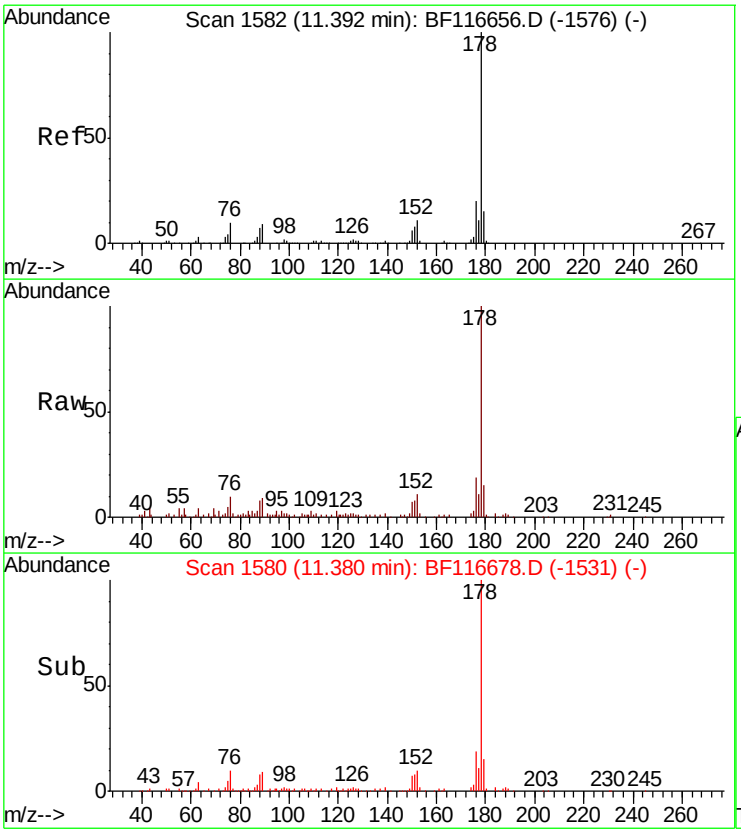
#67
4-Bromophenyl-phenylether
Concen: 2.731 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 9924

Ion	Ratio	Lower	Upper
248	100		
250	185.0	77.8	116.8#
141	700.1	75.9	113.9#

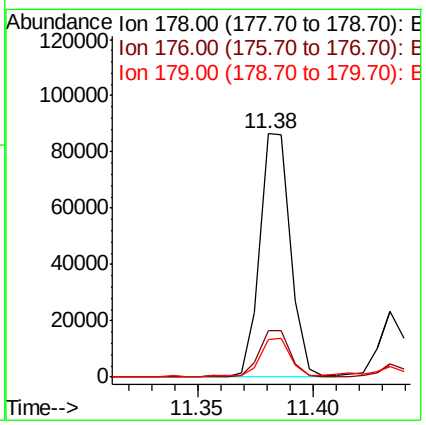


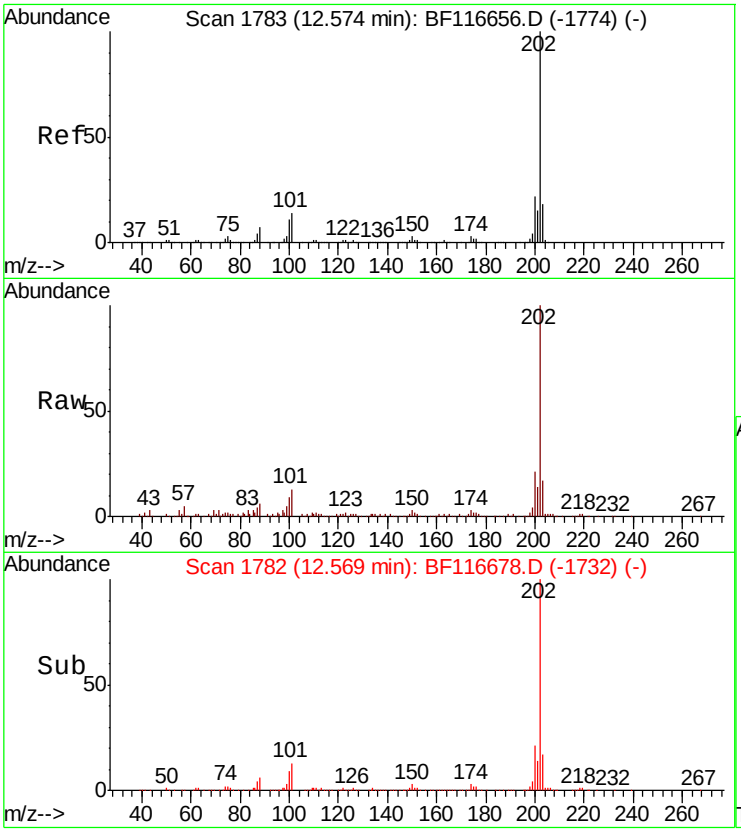


#71
Phenanthrene
Concen: 4.064 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion:178 Resp: 80929

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.2	12.2	18.2



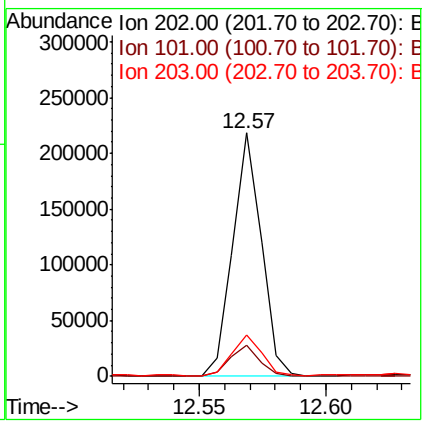


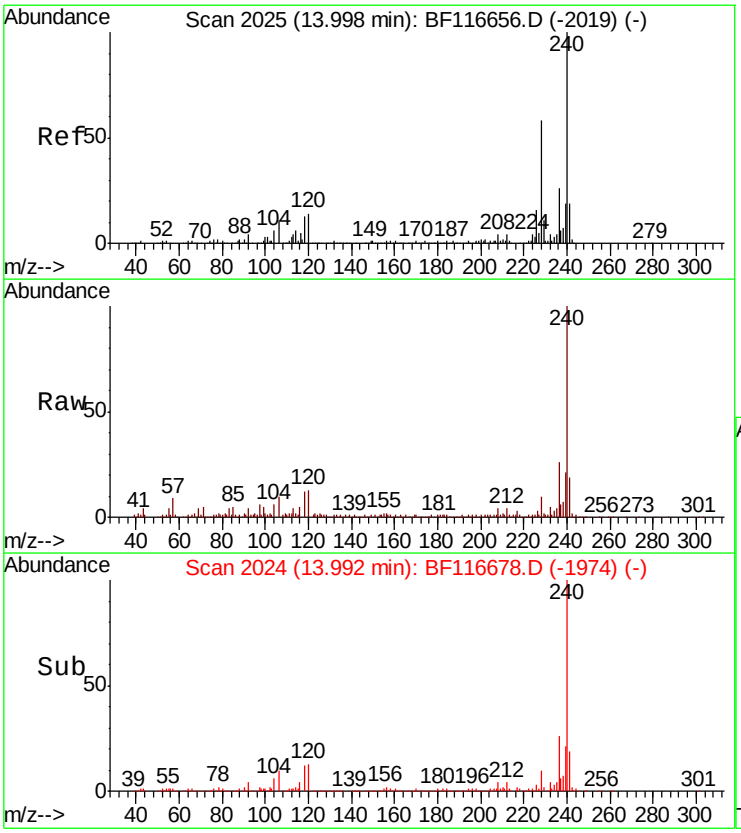
#75
Fluoranthene
Concen: 8.704 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 170322

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	31.3
203	16.9	0.0	37.6

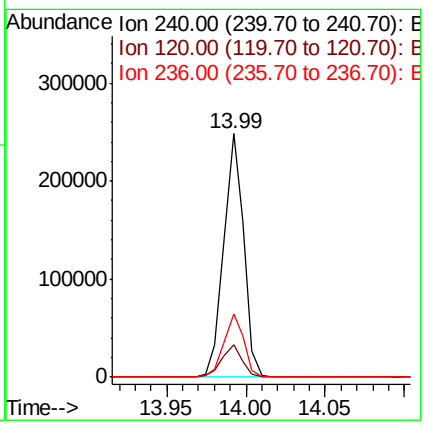


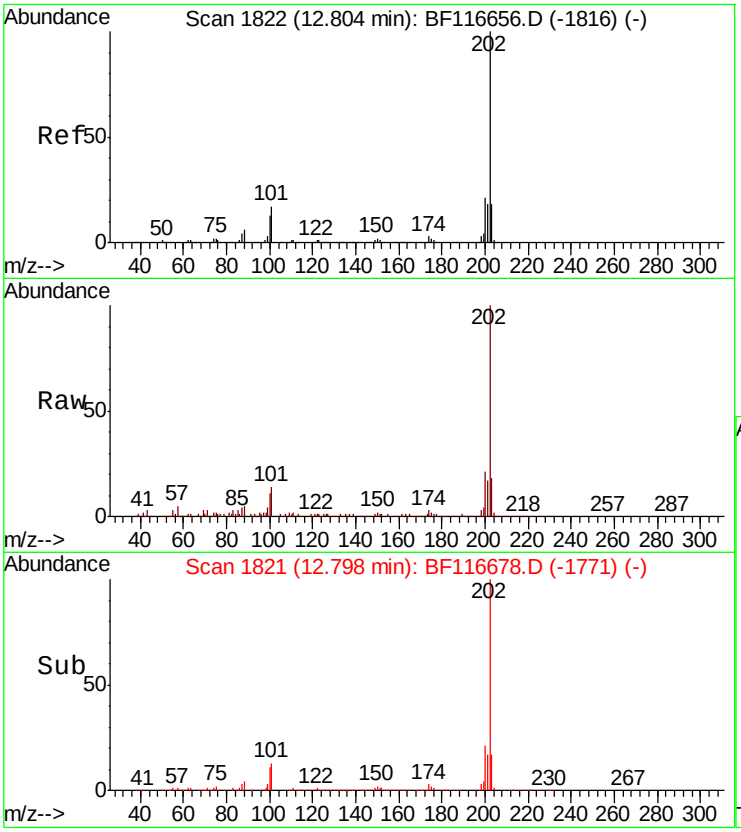


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion:240 Resp: 216350

Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.1	13.7
236	26.0	21.1	31.7



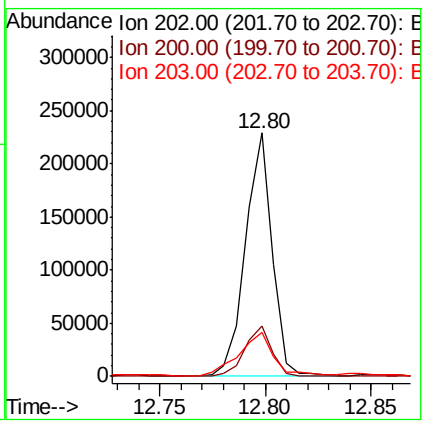


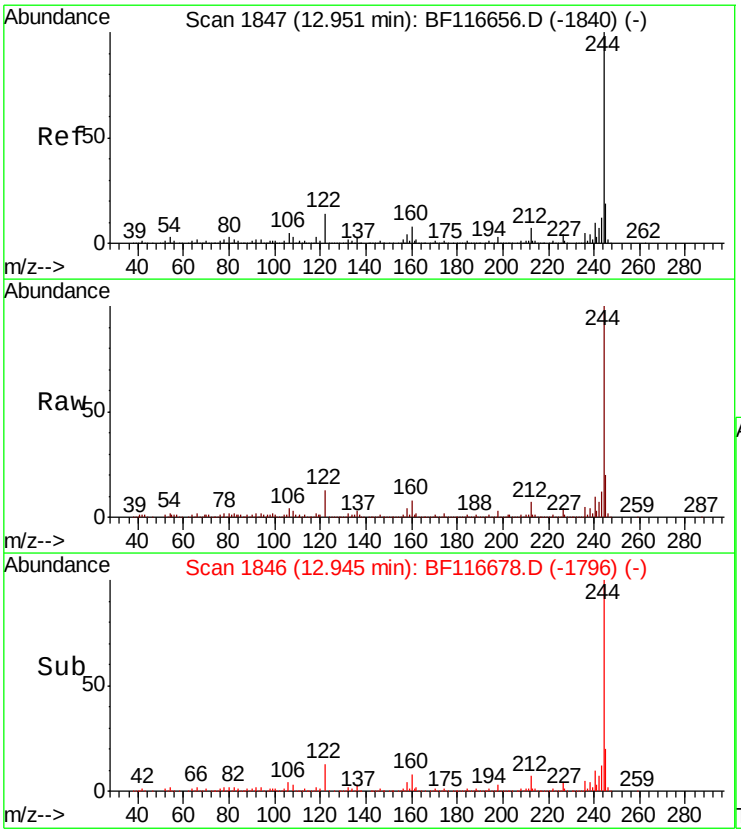
#78
Pyrene
Concen: 10.469 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 201340

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.5	24.7
203	17.8	13.7	20.5

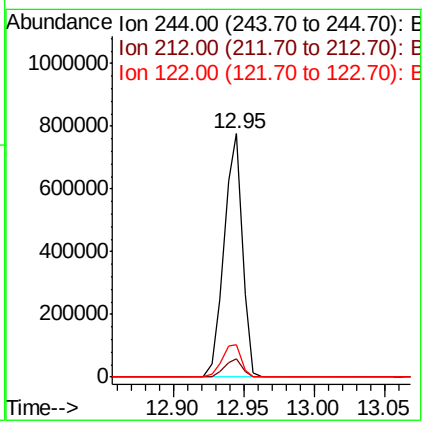


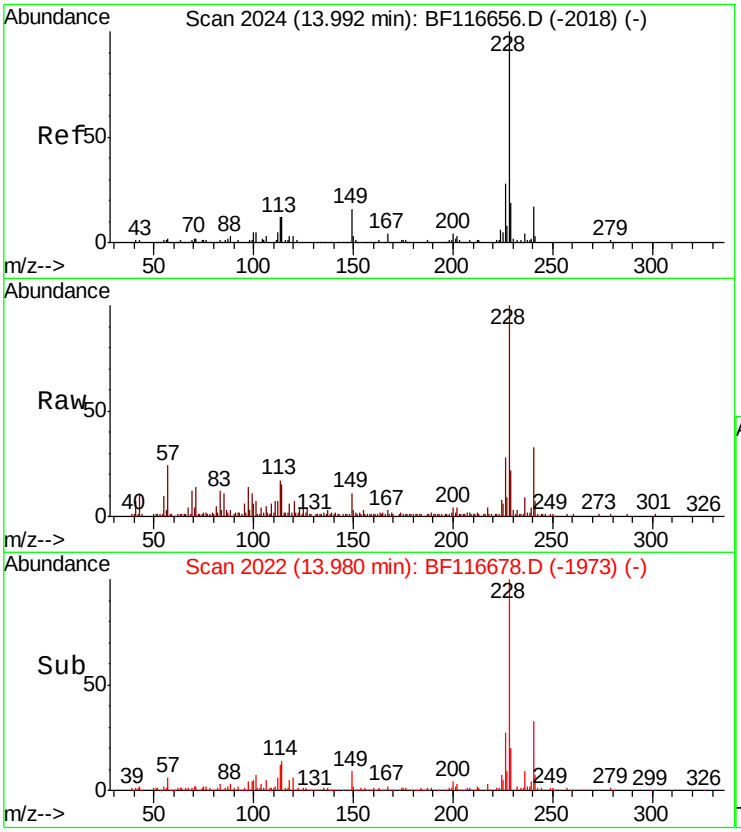


#79
Terphenyl-d14
Concen: 59.749 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion:244 Resp: 698762

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	13.2	10.2	15.4



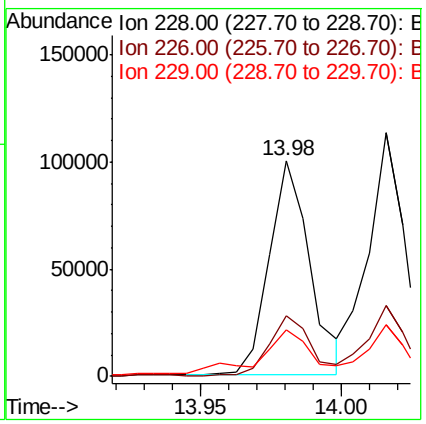


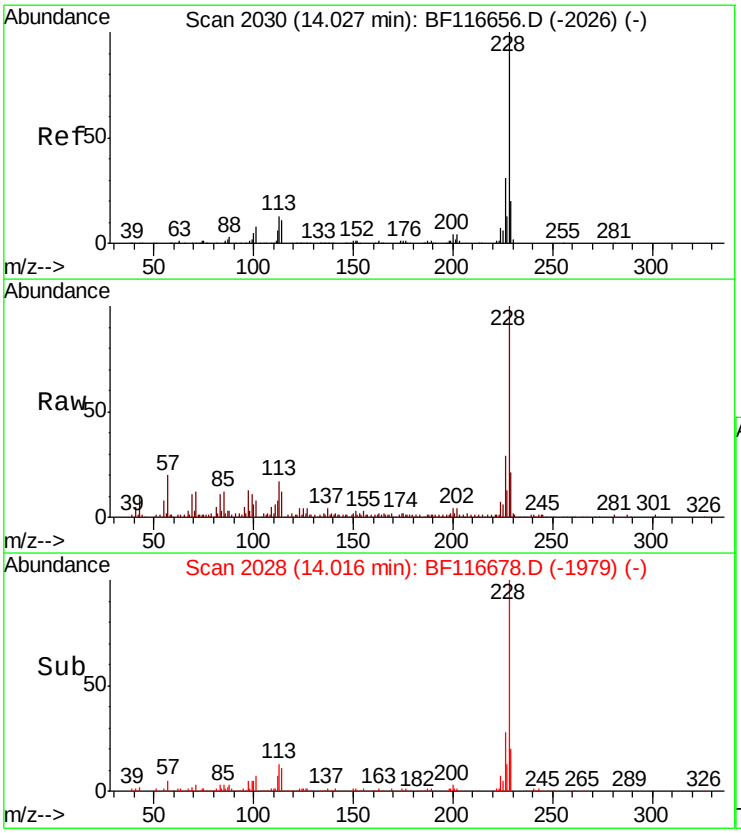
#81
Benzo(a)anthracene
Concen: 7.356 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 100726

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.0	33.0
229	21.6	16.4	24.6

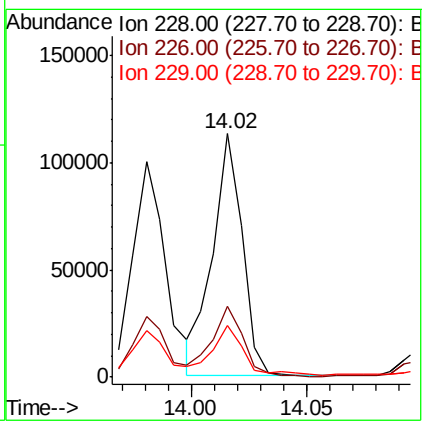


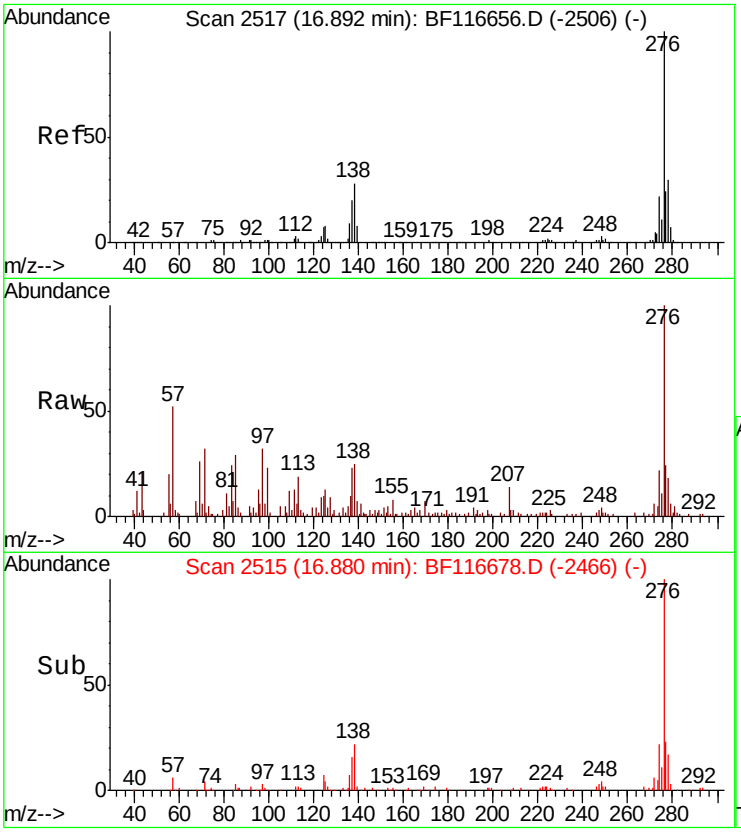


#83
Chrysene
Concen: 7.173 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion:228 Resp: 101183

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.0	36.0
229	21.3	15.4	23.0



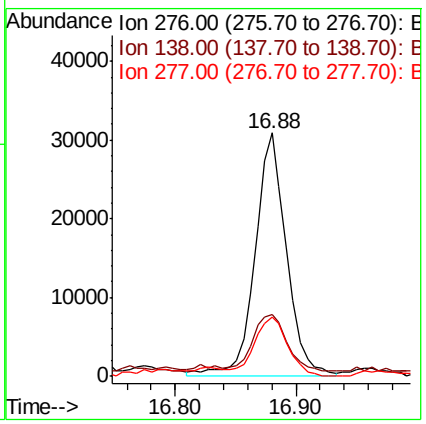


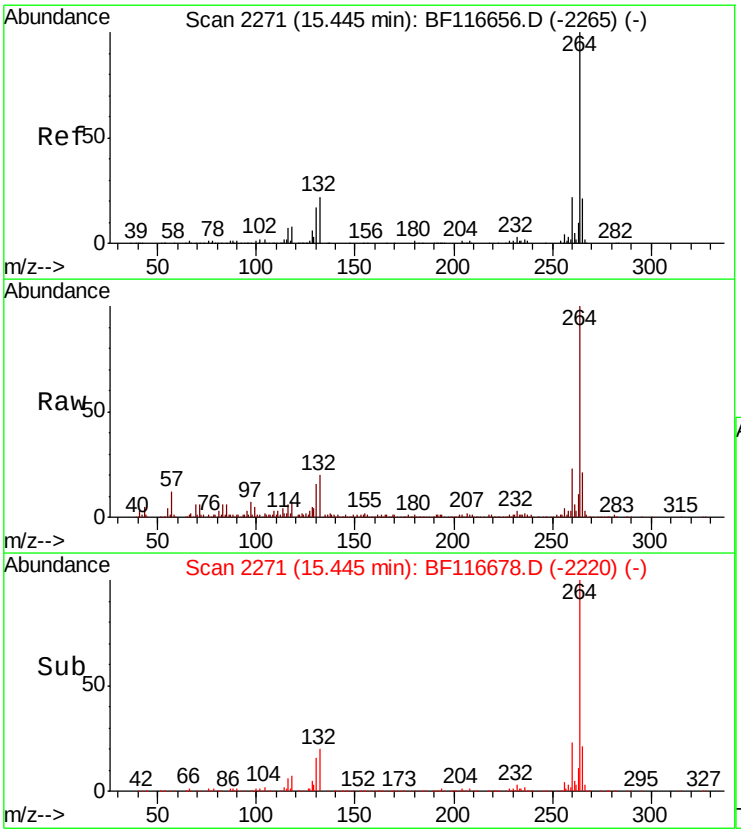
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.962 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 56226

Ion	Ratio	Lower	Upper
276	100		
138	25.6	19.4	29.2
277	25.8	20.5	30.7

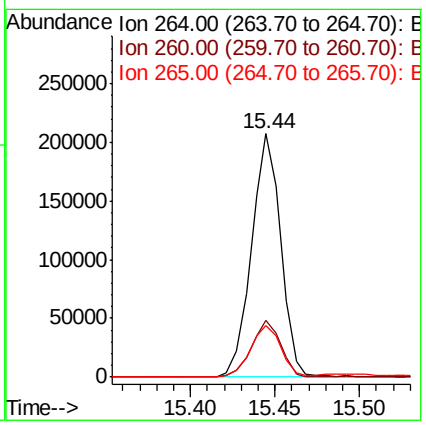


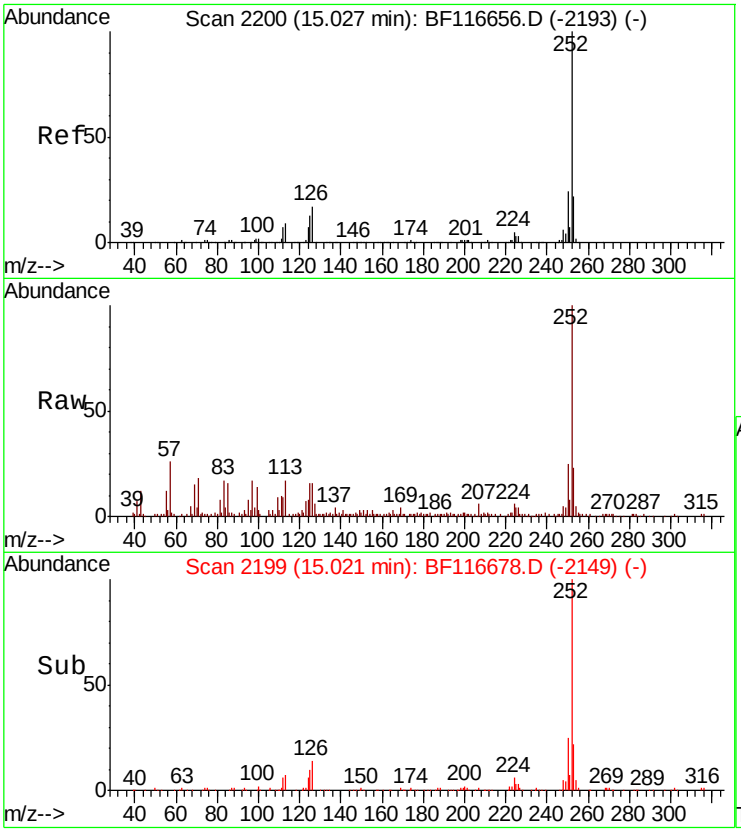


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion:264 Resp: 249441

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.3	27.5
265	21.4	16.5	24.7



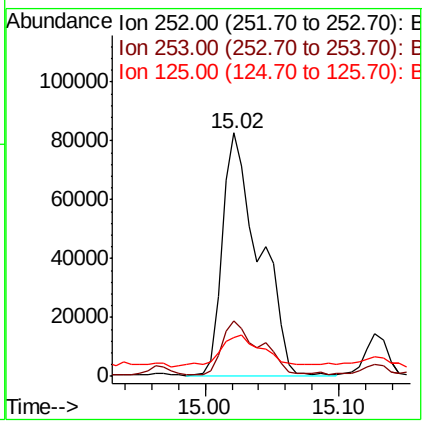


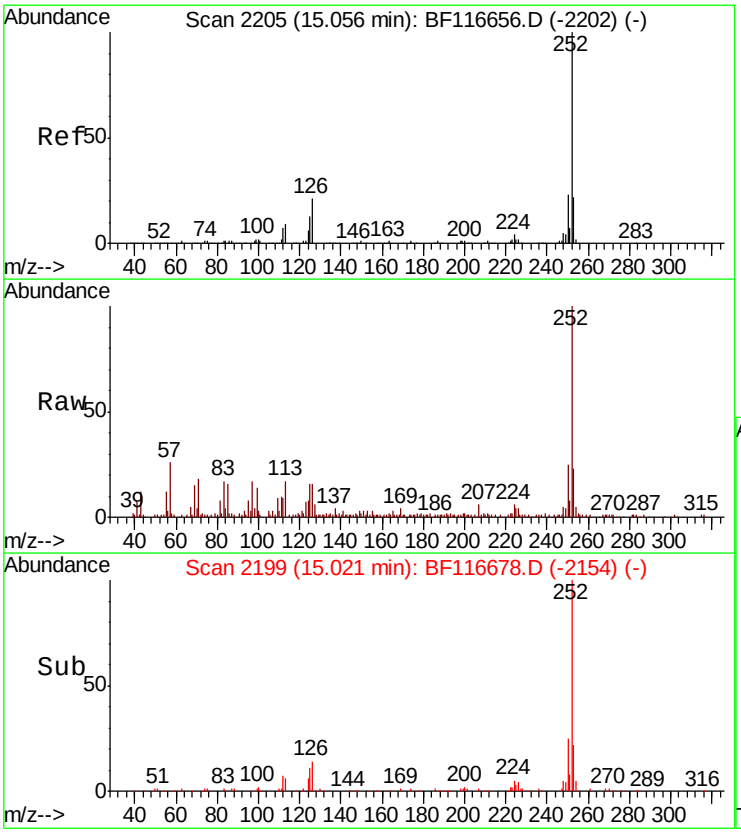
#88
Benzo(b)fluoranthene
Concen: 10.474 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 157955

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	15.9	8.2	12.2#

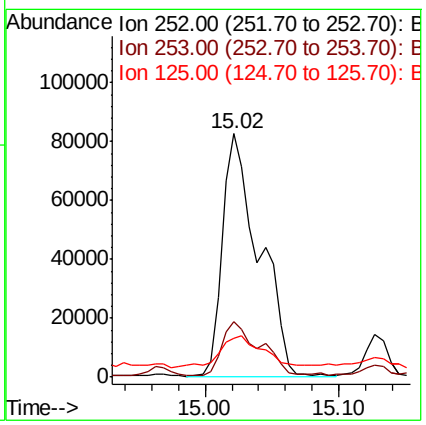


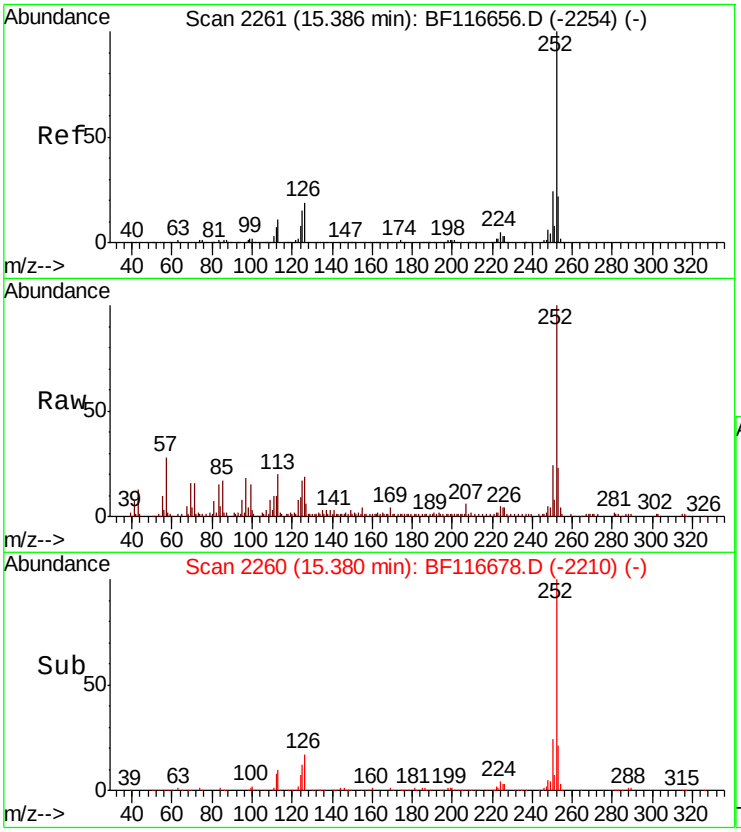


#89
Benzo(k)fluoranthene
Concen: 11.487 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion:252 Resp: 157955

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	15.9	8.6	13.0#



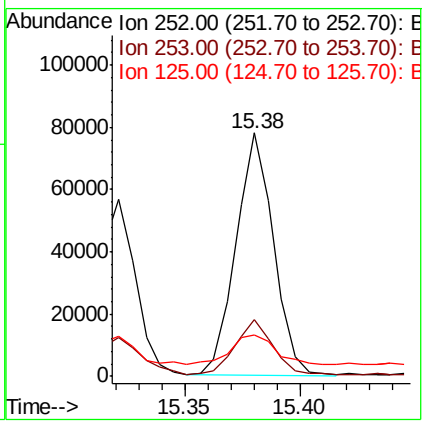


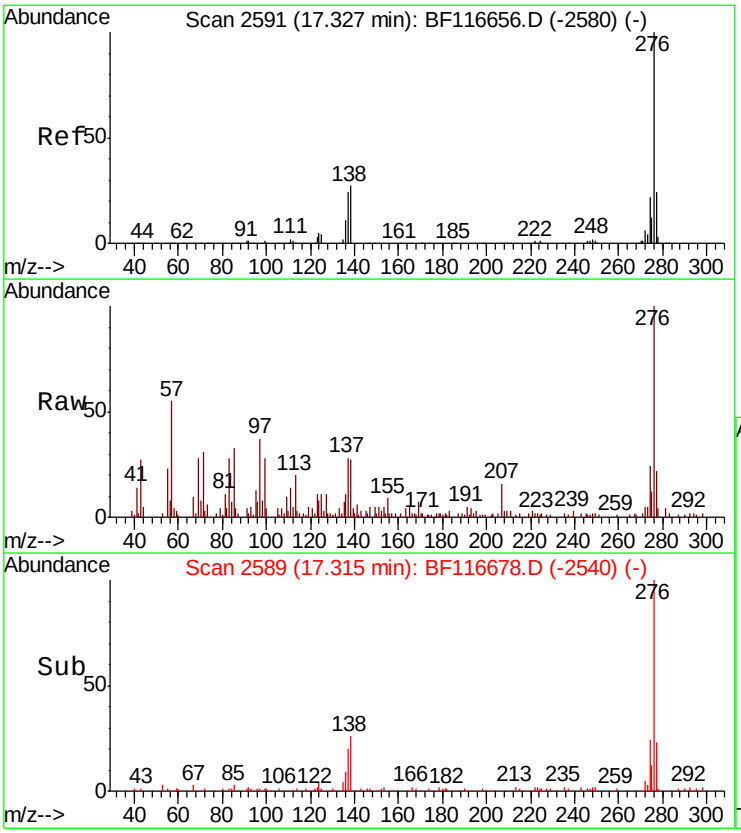
#90
Benzo(a)pyrene
Concen: 6.738 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 88408

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	16.9	9.8	14.8#





#92
Benzo(g,h,i)perylene
Concen: 4.391 ng
RT: 17.32 min Scan# 2589
Delta R.T. -0.01 min
Lab File: BF116678.D
Acq: 31 Aug 2019 4:13

Tgt Ion:276 Resp: 51432

Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.5	27.7
138	27.4	16.2	24.2#