Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116782.D
Acq On : 3 Sep 2019 19:39
Operator : HP/JU
Sample : K4554-43
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Sep 04 06:03:23 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	104184	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	427370	20.00	ng		0.00
39) Acenaphthene-d10	9.88	164	223432	20.00	ng		0.00
64) Phenanthrene-d10	11.36	188	378326	20.00	ng		0.00
76) Chrysene-d12	13.99	240	279065	20.00	ng		0.00
87) Perylene-d12	15.45	264	299714	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	584045	90.82	ng		0.00
7) Phenol-d6	6.47	99	816060	96.64	ng		0.00
23) Nitrobenzene-d5	7.40	82	493711	65.95	ng		0.00
42) 2,4,6-Tribromophenol	10.67	330	175408	117.43	ng		0.00
45) 2-Fluorobiphenyl	9.20	172	807631	60.98	ng		0.00
79) Terphenyl-d14	12.95	244	823875	54.62	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	64507	11.602	ng	#	69
25) Isophorone	7.40	82	493701	32.545	ng	#	66
50) Dimethylphthalate	9.59	163	79465	5.151	ng		97
51) 2,6-Dinitrotoluene	9.88	165	28083	9.542	ng	#	21
57) 2,4-Dinitrotoluene	9.88	165	28083	7.804	ng	#	21
65) 4,6-Dinitro-2-methylphenol	10.66	198	288	7.626	ng	#	1
67) 4-Bromophenyl-phenylether	10.66	248	11224	2.920	ng	#	1
71) Phenanthrene	11.39	178	315963	15.003	ng		99
72) Anthracene	11.43	178	53327	2.515	ng		97
75) Fluoranthene	12.57	202	471214	22.767	ng		100
78) Pyrene	12.80	202	419324	16.903	ng		97
81) Benzo(a)anthracene	13.98	228	186626	10.567	ng		98
83) Chrysene	14.02	228	191483	10.523	ng		99
86) Indeno(1,2,3-cd)pyrene	16.89	276	78739	5.387	ng		98
88) Benzo(b)fluoranthene	15.03	252	277119	15.293	ng	#	95
89) Benzo(k)fluoranthene	15.03	252	277119	16.773	ng	#	95
90) Benzo(a)pyrene	15.39	252	144375	9.158	ng	#	97
92) Benzo(g,h,i)perylene	17.33	276	73099	5.194	ng	#	93

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

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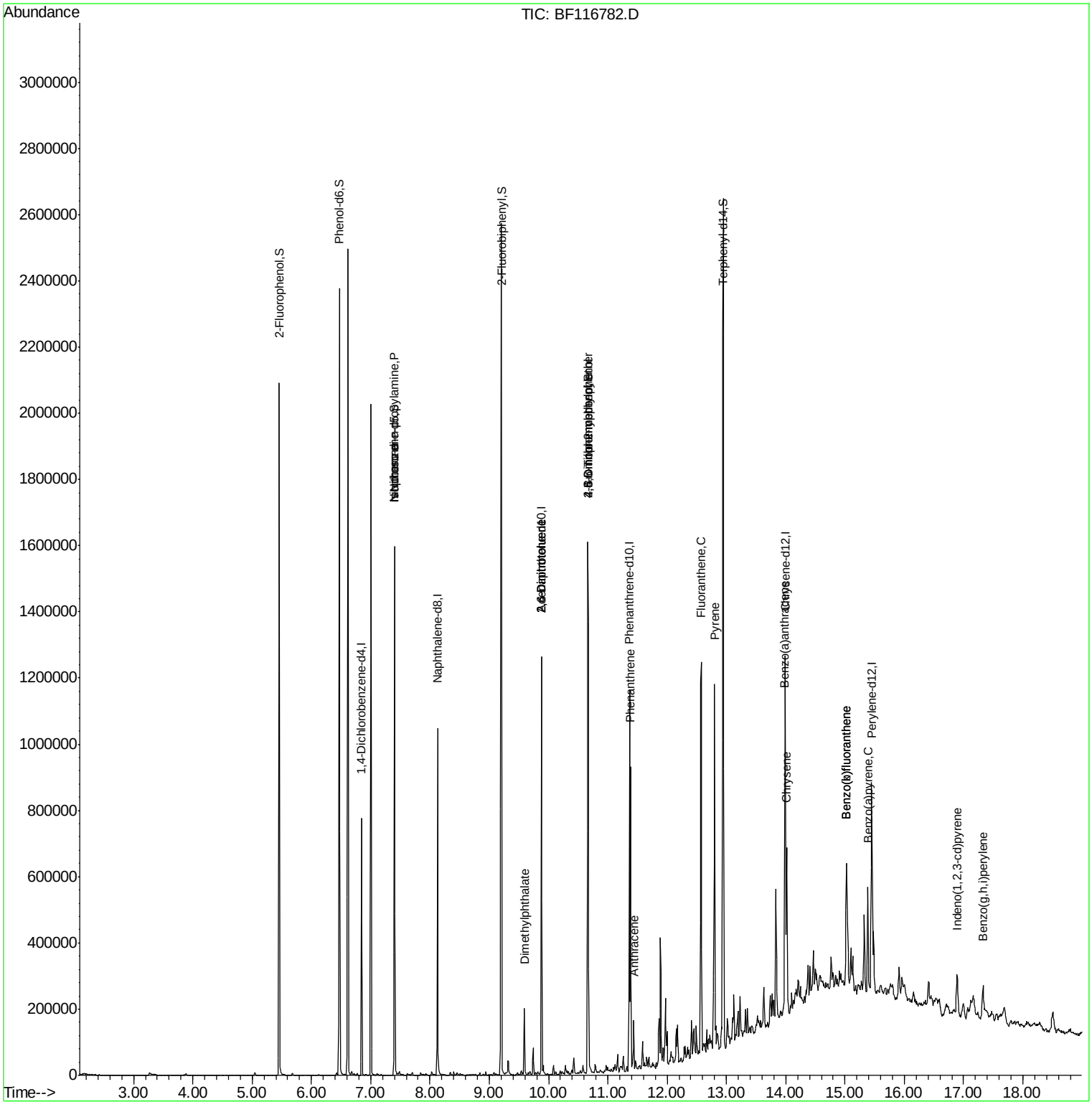
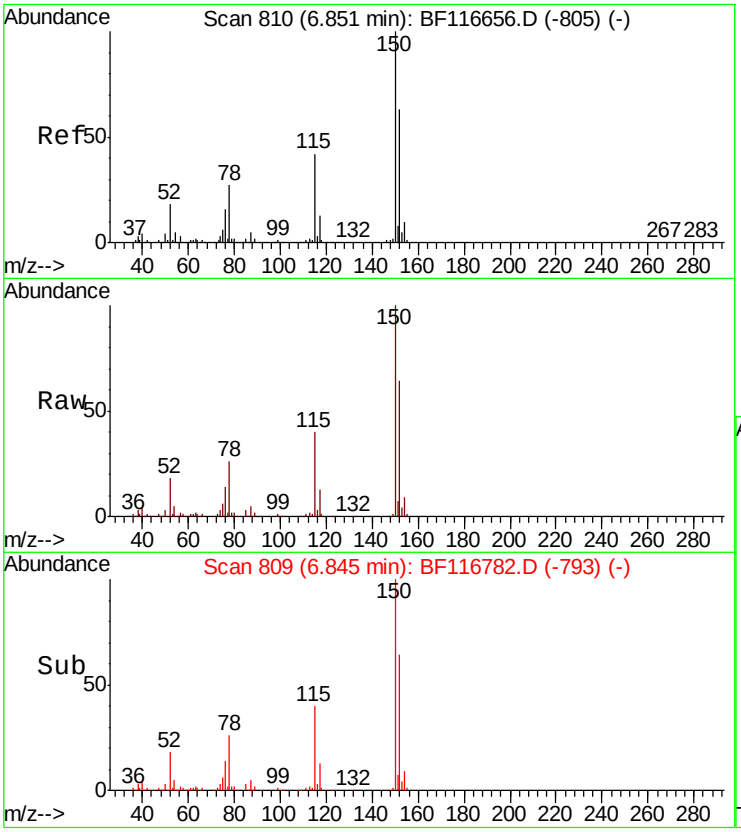


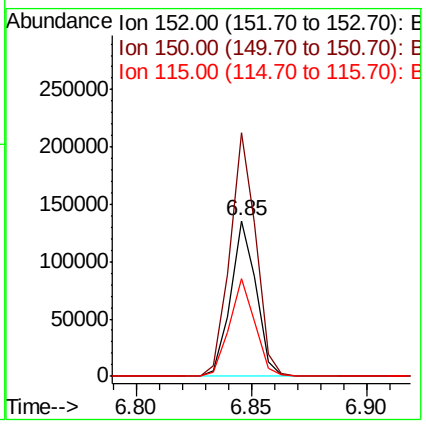


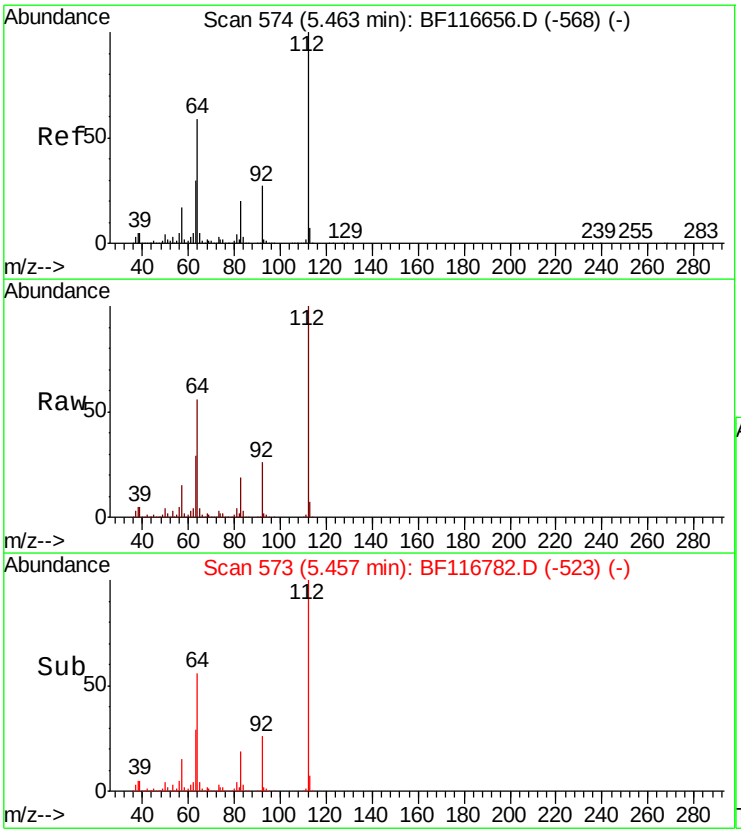
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 104184

Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.4	186.6
115	62.7	49.9	74.9

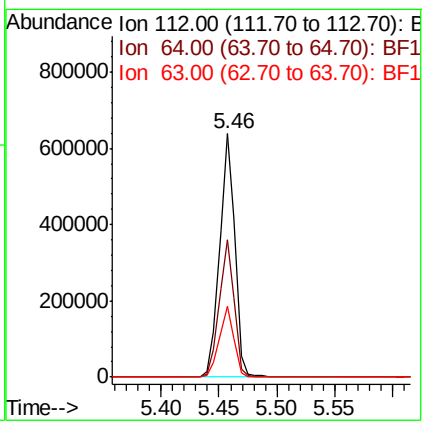


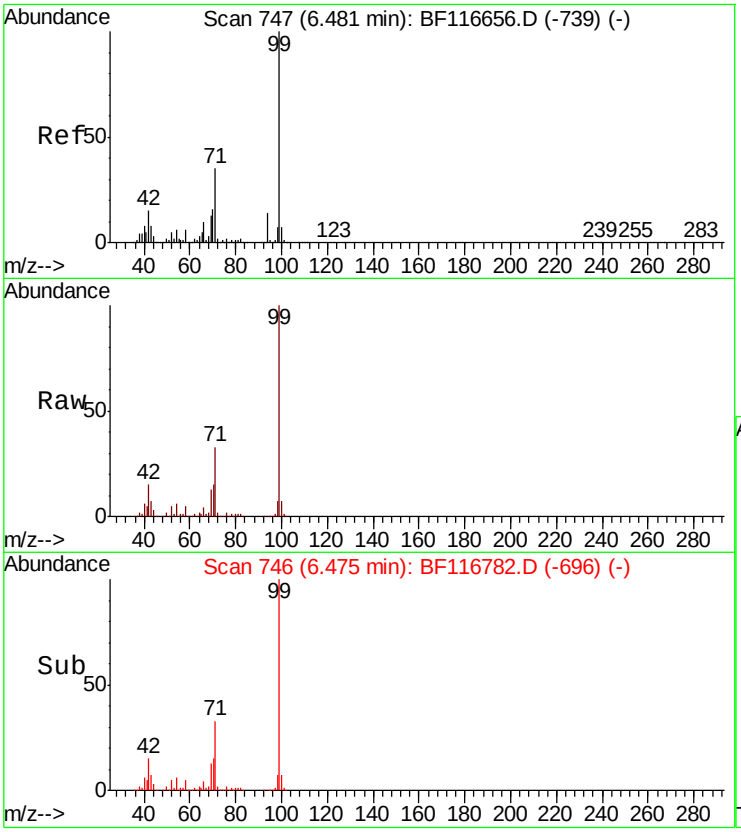


#5
2-Fluorophenol
Concen: 90.819 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion:112 Resp: 584045

Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.1	70.7
63	28.8	24.9	37.3



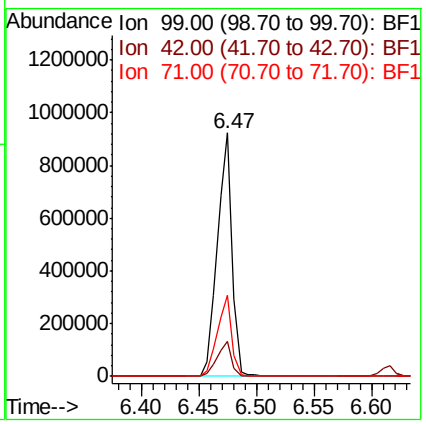


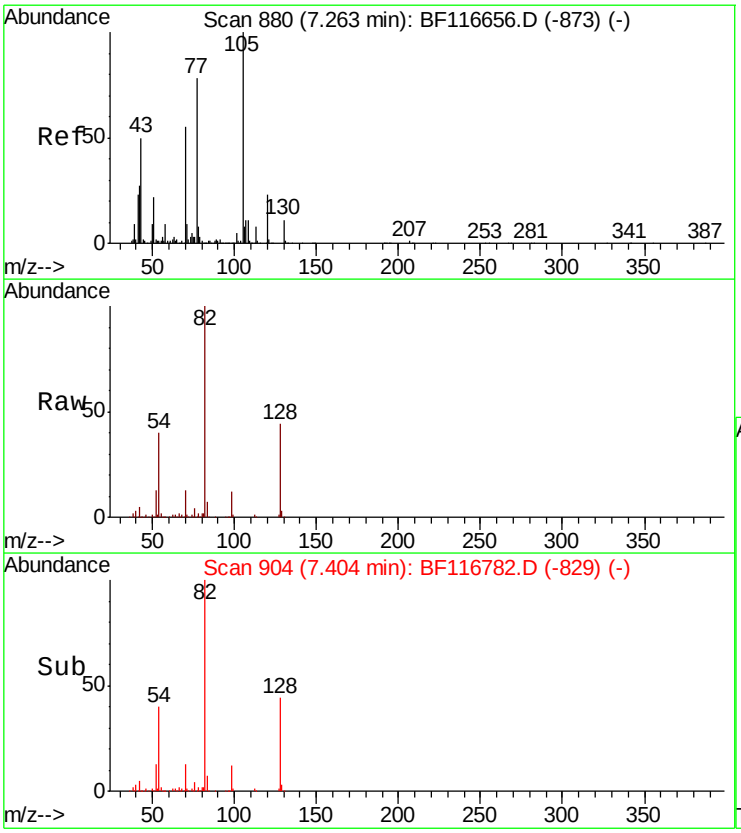
#7
Phenol-d6
Concen: 96.638 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 816060

Ion	Ratio	Lower	Upper
99	100		
42	14.6	13.7	20.5
71	33.4	30.8	46.2

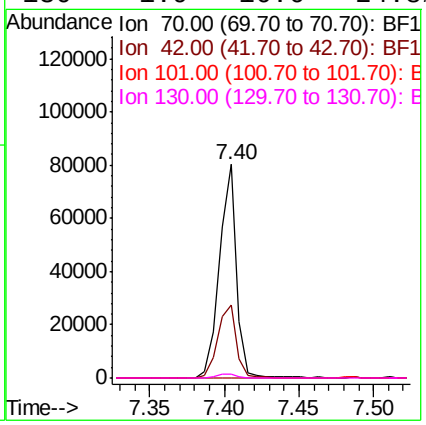


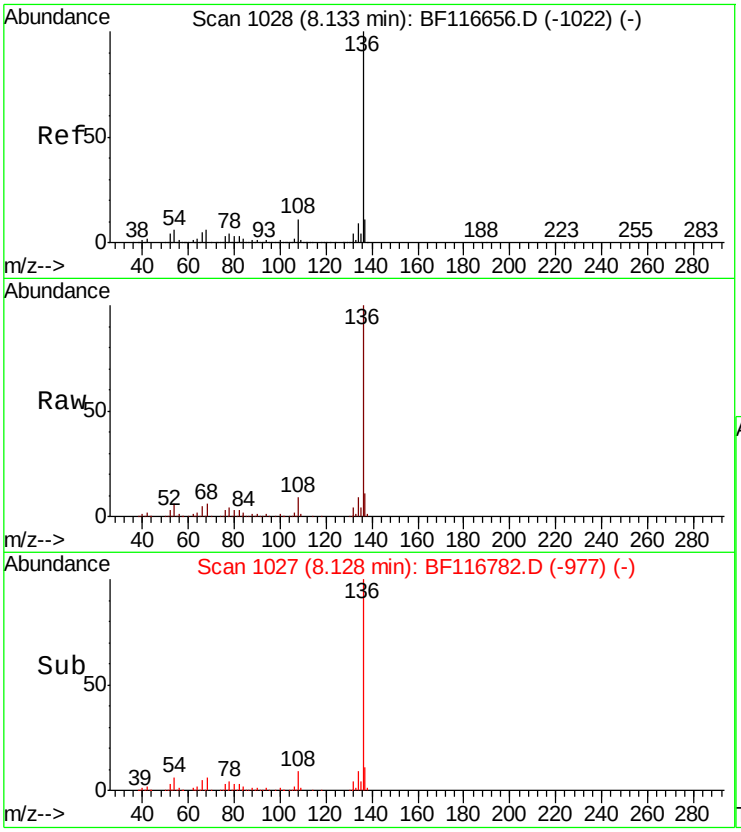


#19
n-Nitroso-di-n-propylamine
Concen: 11.602 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion: 70 Resp: 64507

Ion	Ratio	Lower	Upper
70	100		
42	33.9	43.5	65.3#
101	0.0	7.8	11.6#
130	1.9	16.6	24.8#



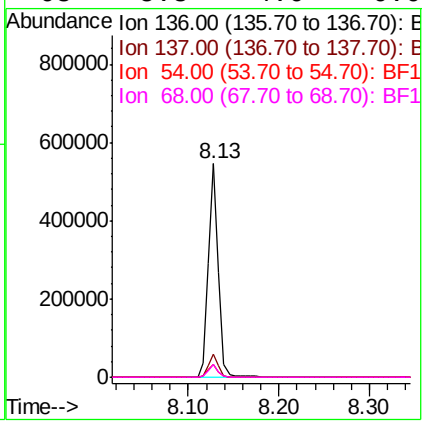


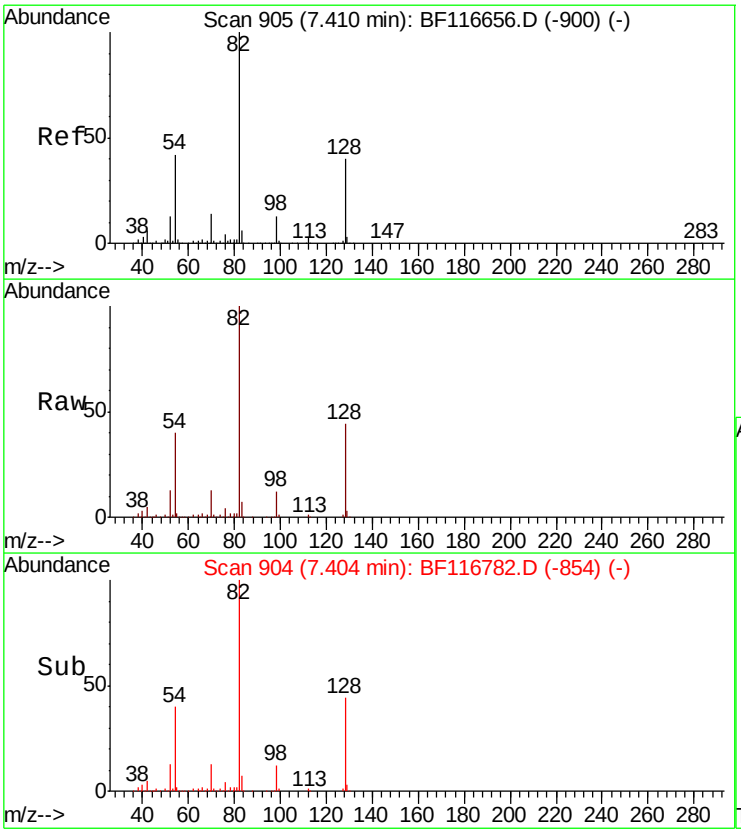
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 427370

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.0	4.8	7.2
68	5.8	4.0	6.0

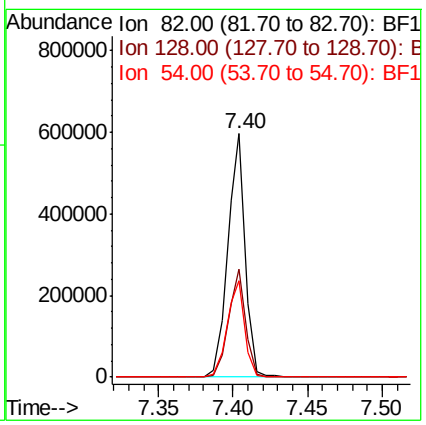


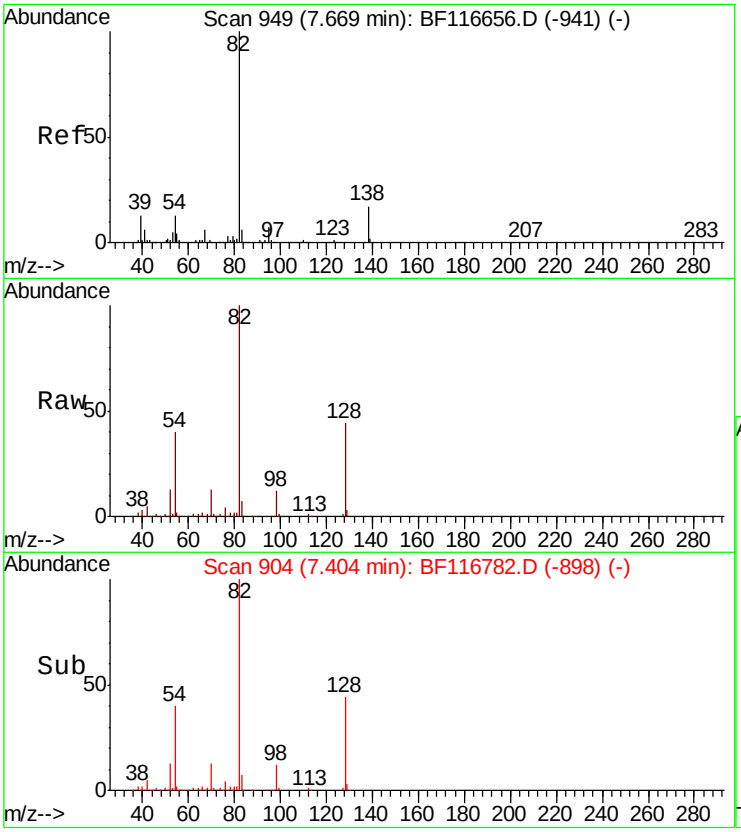


#23
Nitrobenzene-d5
Concen: 65.949 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion: 82 Resp: 493711

Ion	Ratio	Lower	Upper
82	100		
128	44.2	32.8	49.2
54	39.7	36.9	55.3



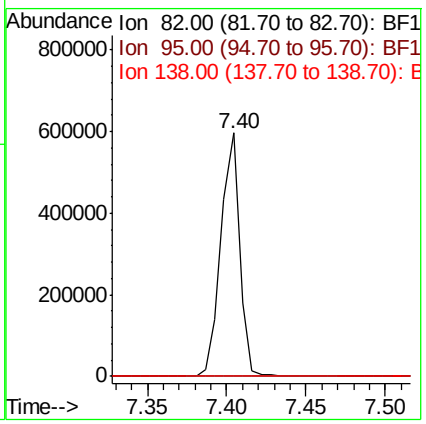


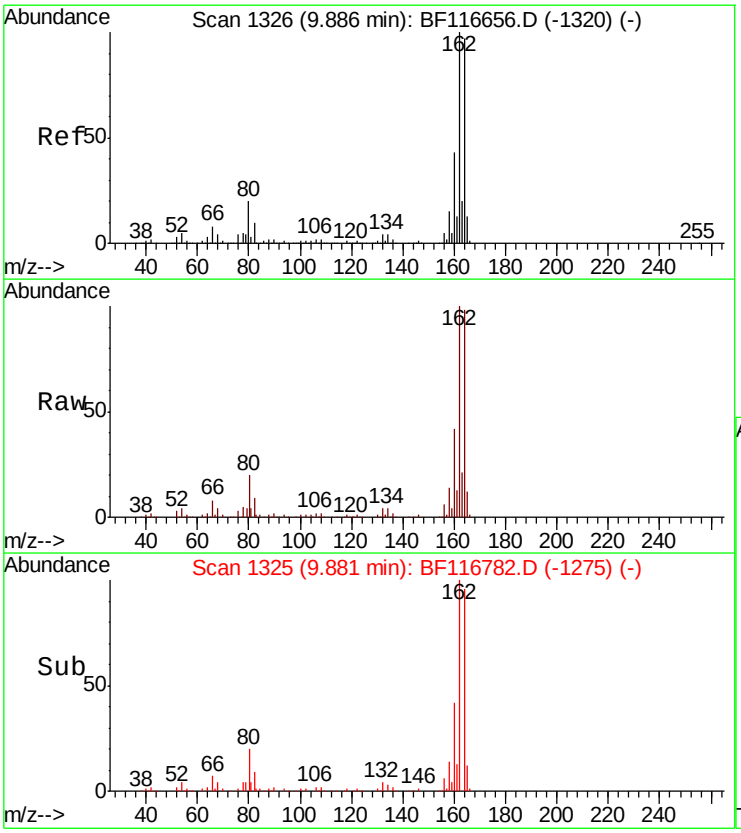
#25
Isophorone
Concen: 32.545 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 493701

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

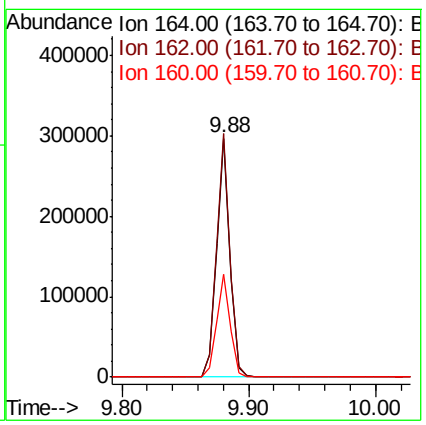


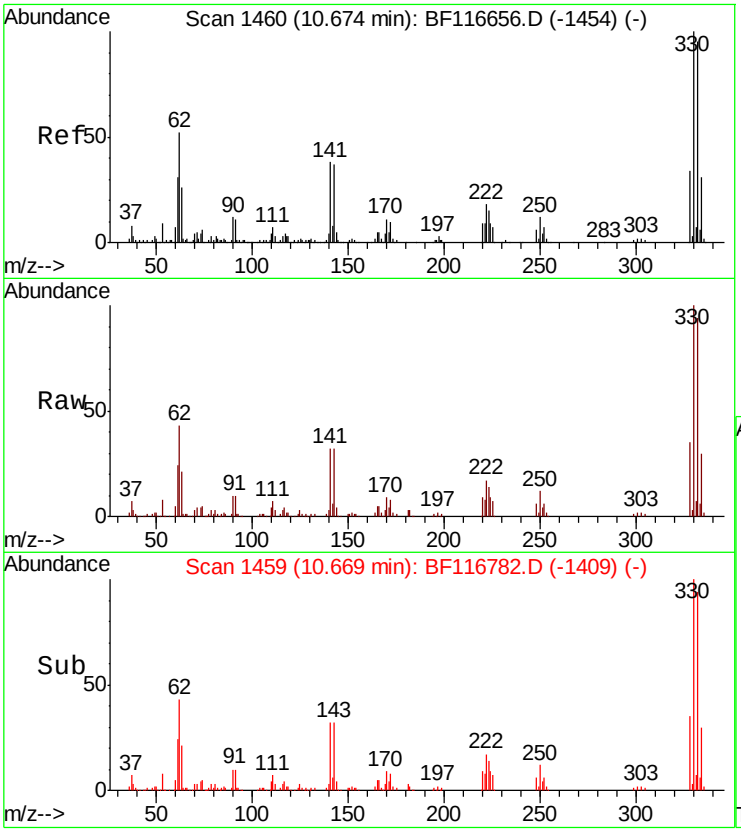


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion:164 Resp: 223432

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.4	122.0
160	43.1	35.4	53.2



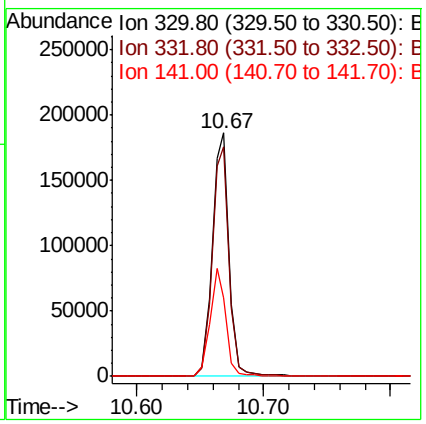


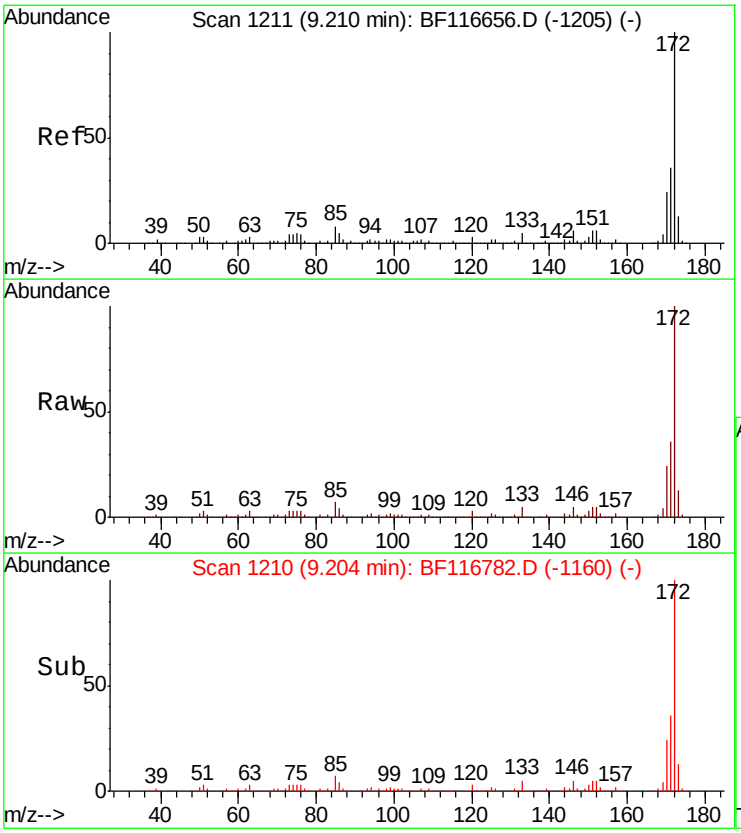
#42
2,4,6-Tribromophenol
Concen: 117.433 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 175408

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.9	115.3
141	41.7	31.4	47.2

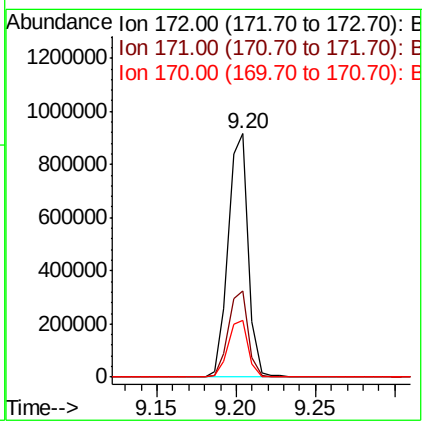


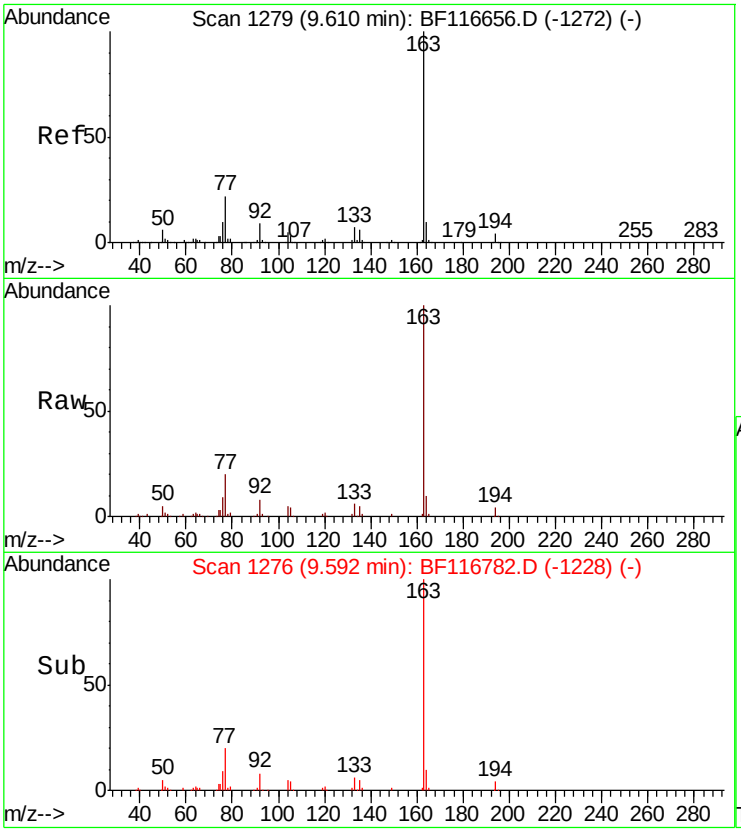


#45
2-Fluorobiphenyl
Concen: 60.976 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion:172 Resp: 807631

Ion	Ratio	Lower	Upper
172	100		
171	35.5	27.8	41.6
170	23.5	18.9	28.3



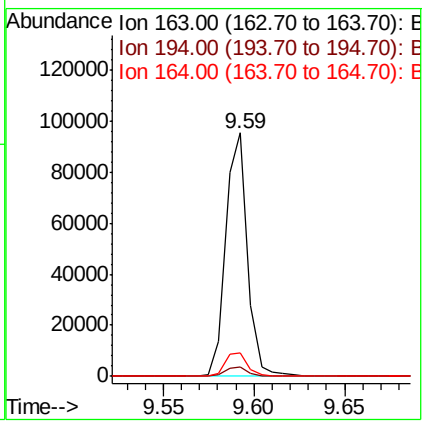


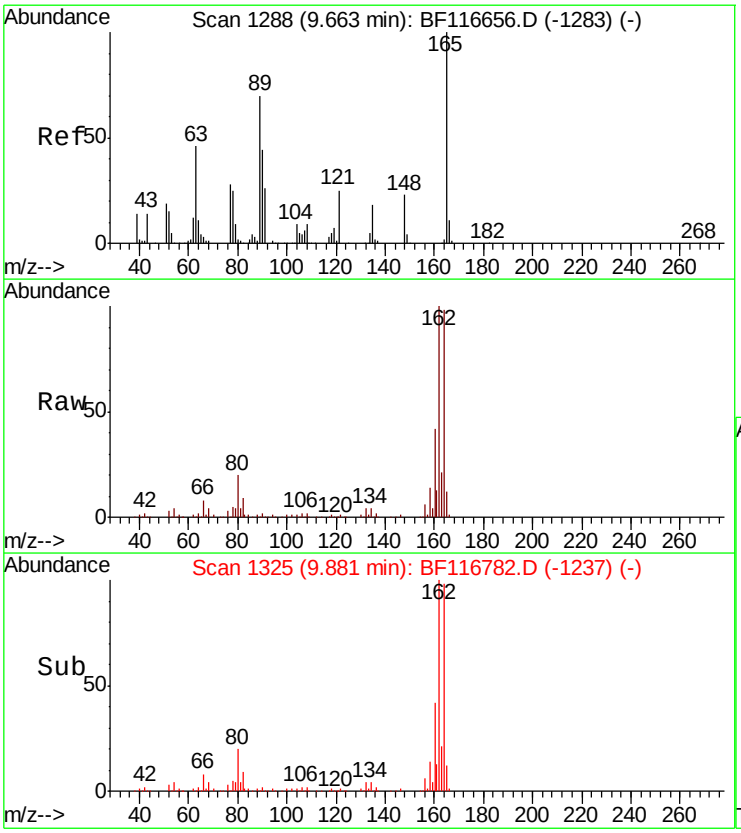
#50
Dimethylphthalate
Concen: 5.151 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 79465

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.8	4.2
164	9.5	8.6	12.8

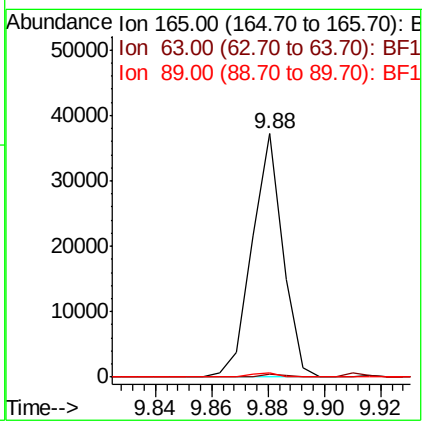


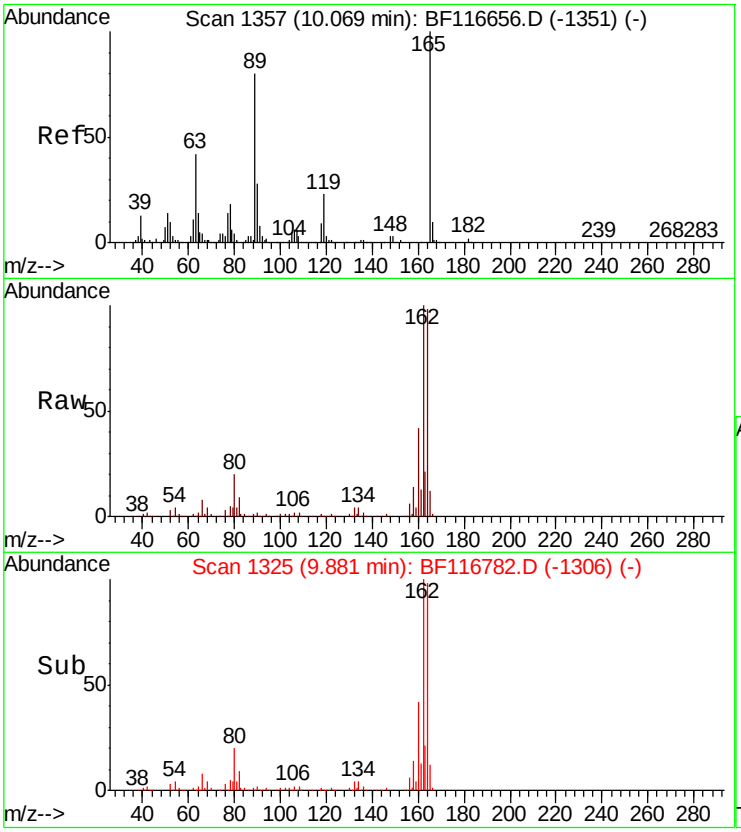


#51
2,6-Dinitrotoluene
Concen: 9.542 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.22 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion:165 Resp: 28083

Ion	Ratio	Lower	Upper
165	100		
63	1.2	47.3	70.9#
89	1.6	52.5	78.7#



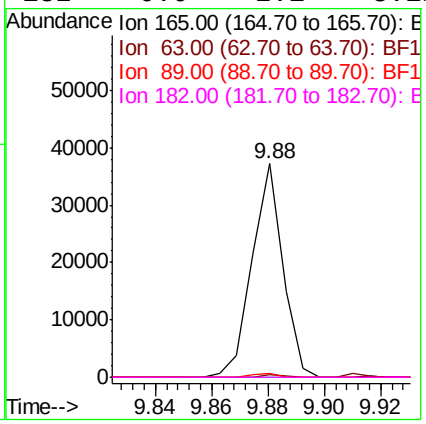


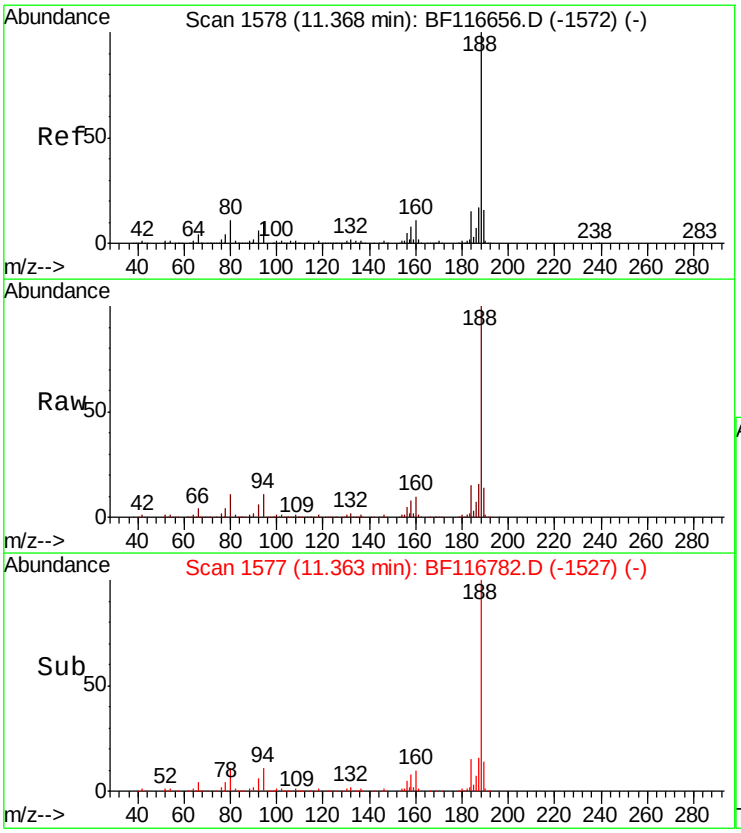
#57
2,4-Dinitrotoluene
Concen: 7.804 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.19 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 28083

Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.6	62.6	94.0#
182	0.0	2.1	3.1#

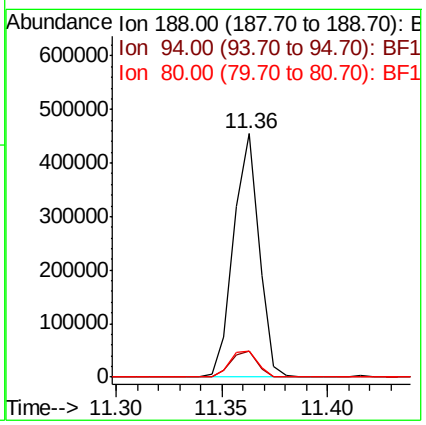


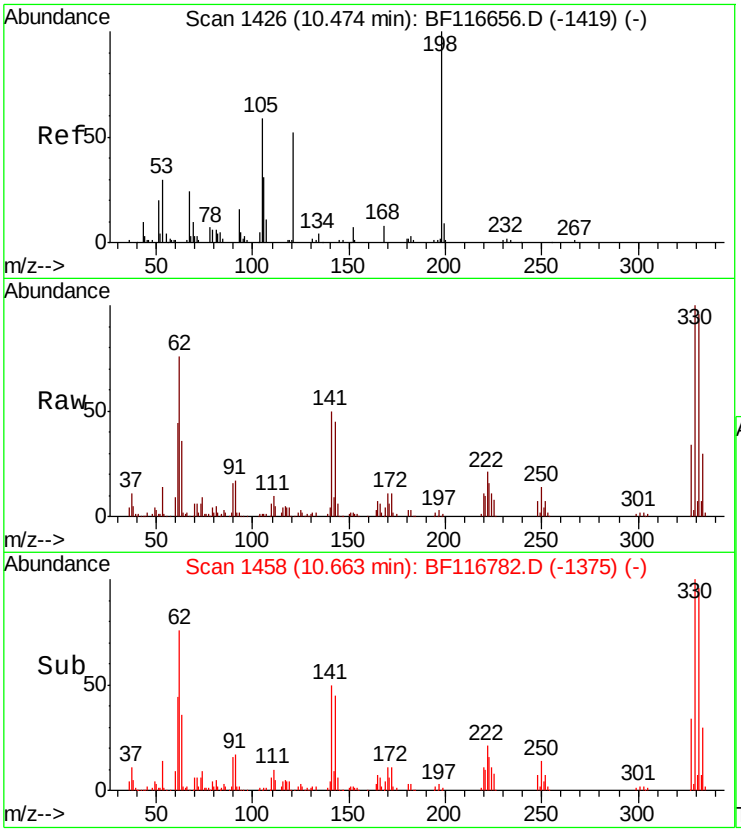


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion:188 Resp: 378326

Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.3	10.9
80	10.5	8.4	12.6



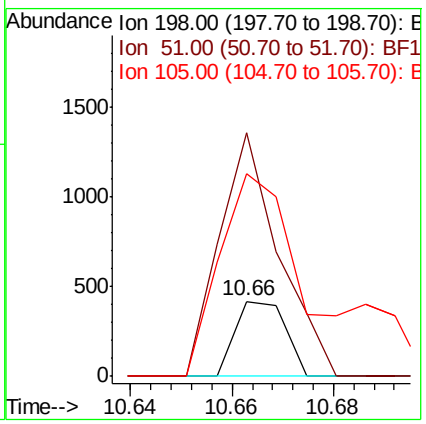


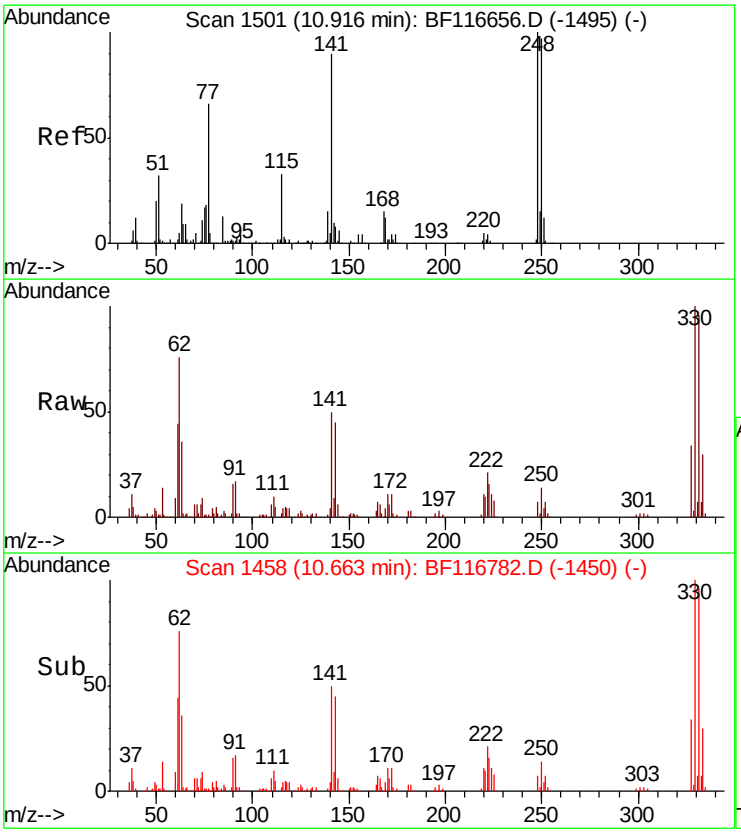
#65
4,6-Dinitro-2-methylphenol
Concen: 7.626 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.19 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 288

Ion	Ratio	Lower	Upper
198	100		
51	325.4	18.4	58.4#
105	270.3	22.9	62.9#

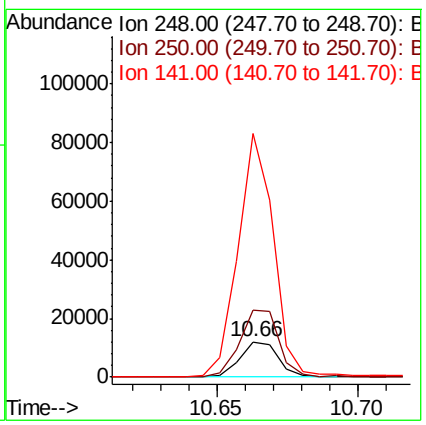


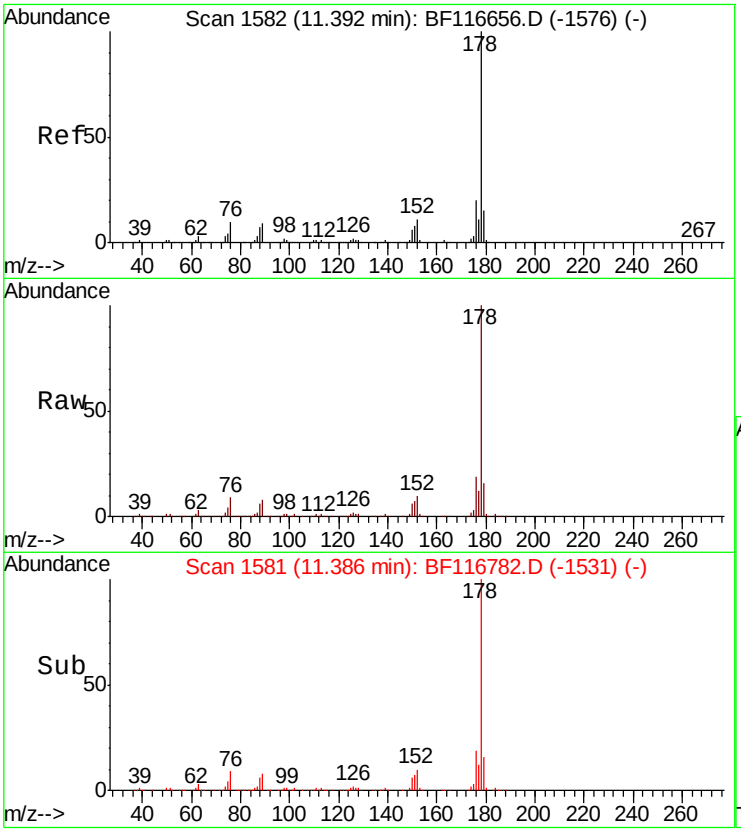


#67
4-Bromophenyl-phenylether
Concen: 2.920 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion:248 Resp: 11224

Ion	Ratio	Lower	Upper
248	100		
250	188.8	77.8	116.8#
141	688.6	75.9	113.9#



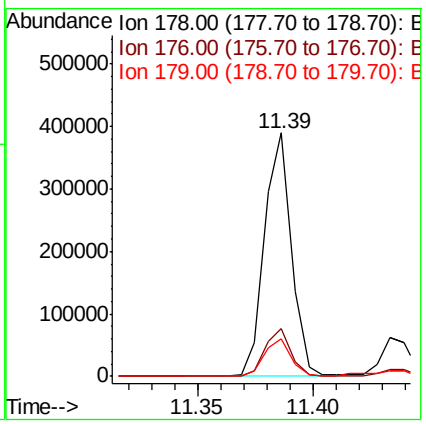


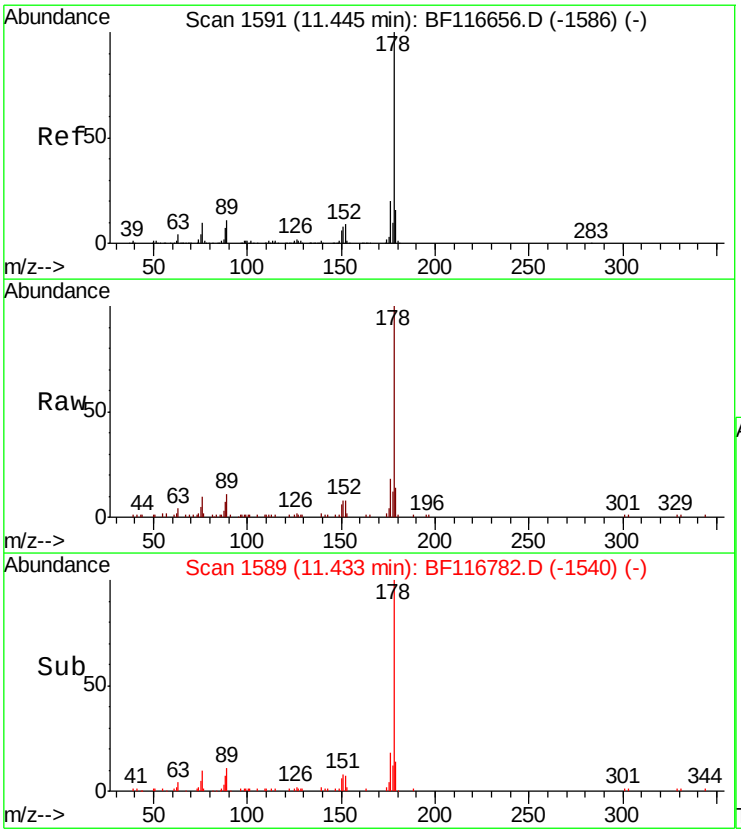
#71
Phenanthrene
Concen: 15.003 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 315963

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.6	12.2	18.2

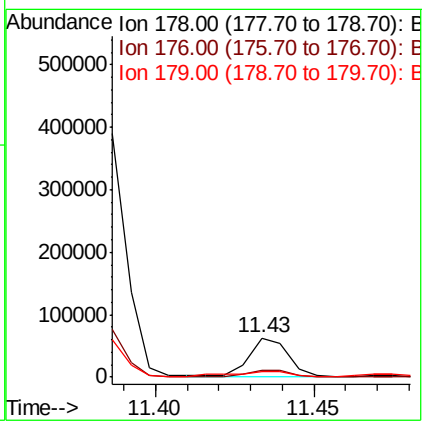


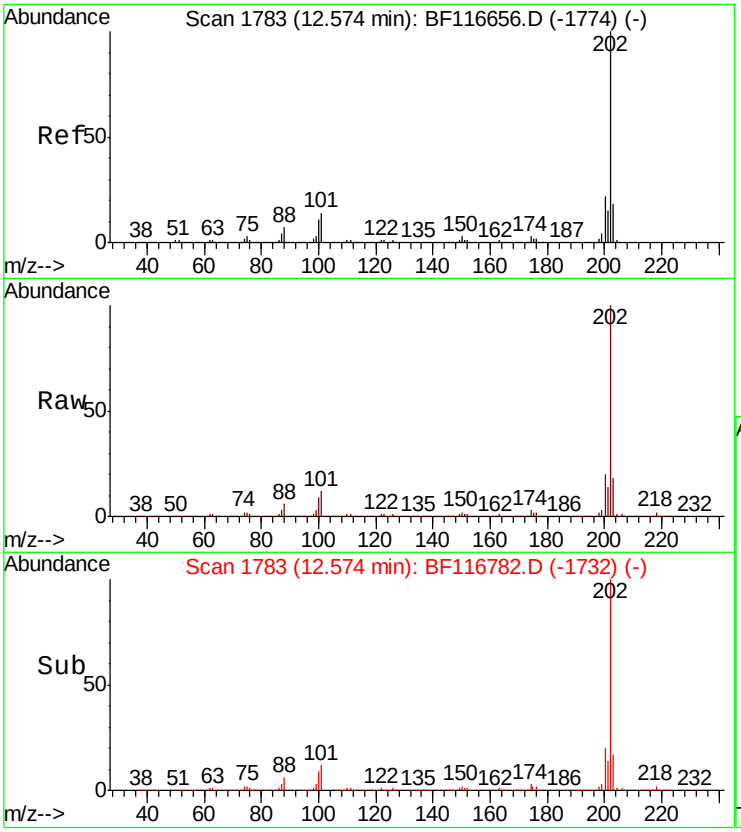


#72
Anthracene
Concen: 2.515 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion:178 Resp: 53327

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.0
179	14.4	12.5	18.7



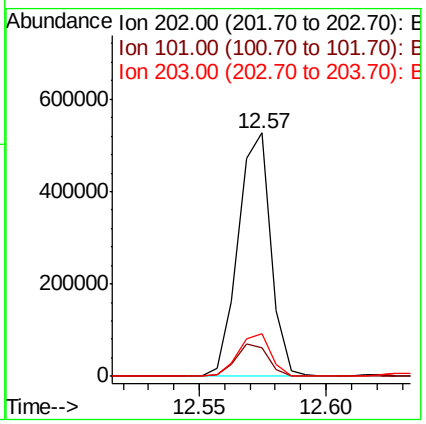


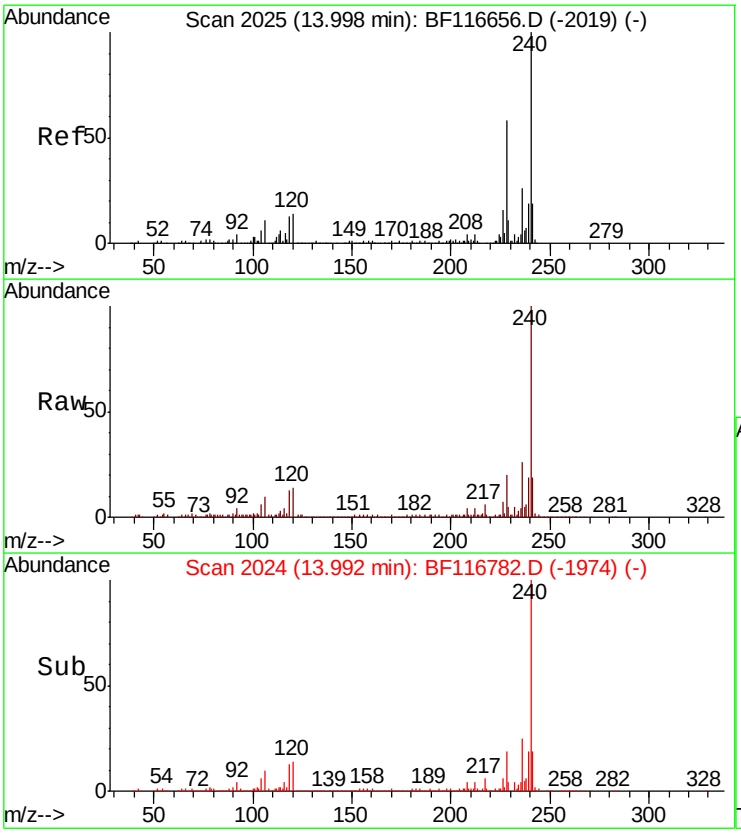
#75
Fluoranthene
Concen: 22.767 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 471214

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.3
203	17.5	0.0	37.6

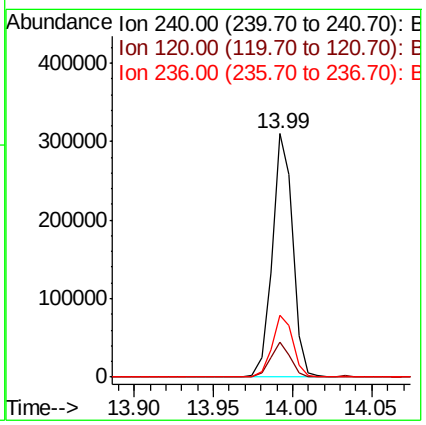


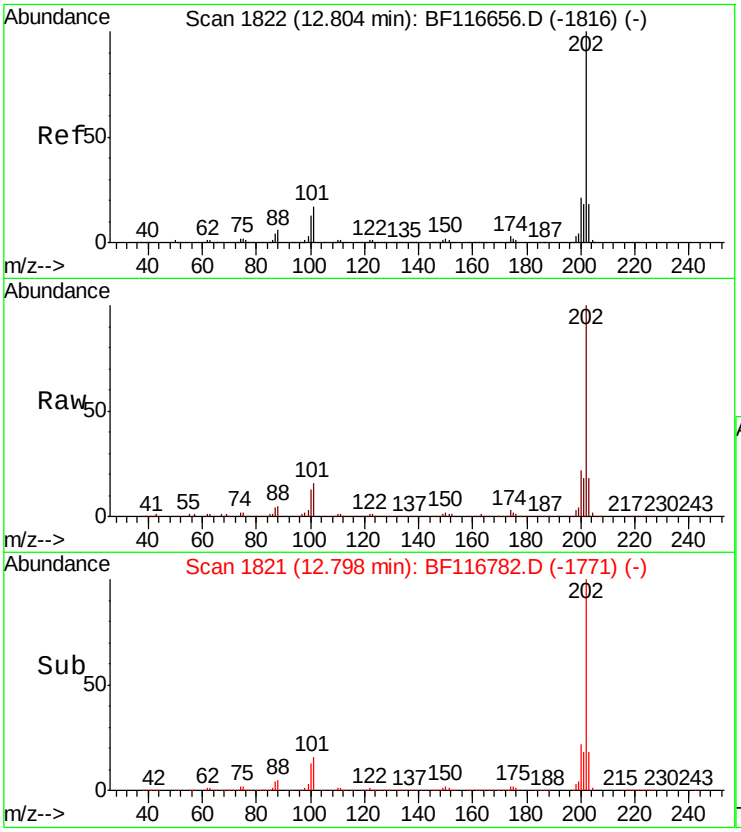


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion:240 Resp: 279065

Ion	Ratio	Lower	Upper
240	100		
120	14.3	9.1	13.7#
236	25.5	21.1	31.7



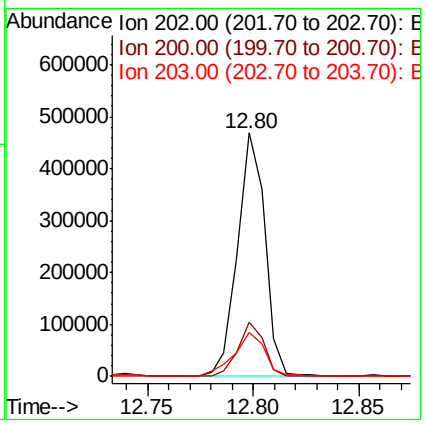


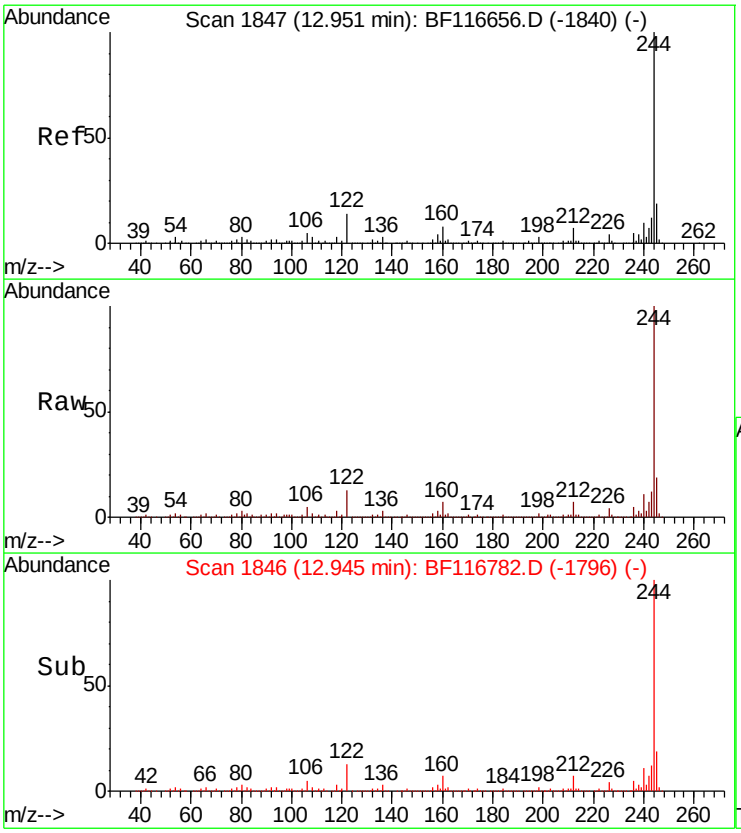
#78
Pyrene
Concen: 16.903 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 419324

Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.5	24.7
203	18.2	13.7	20.5

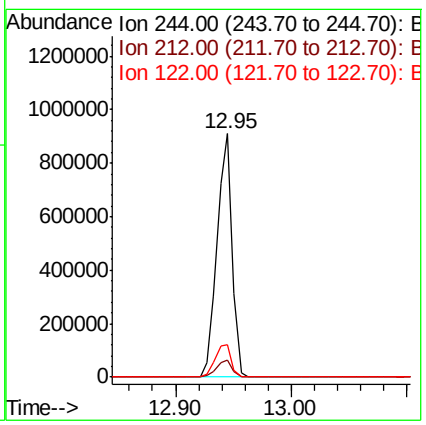


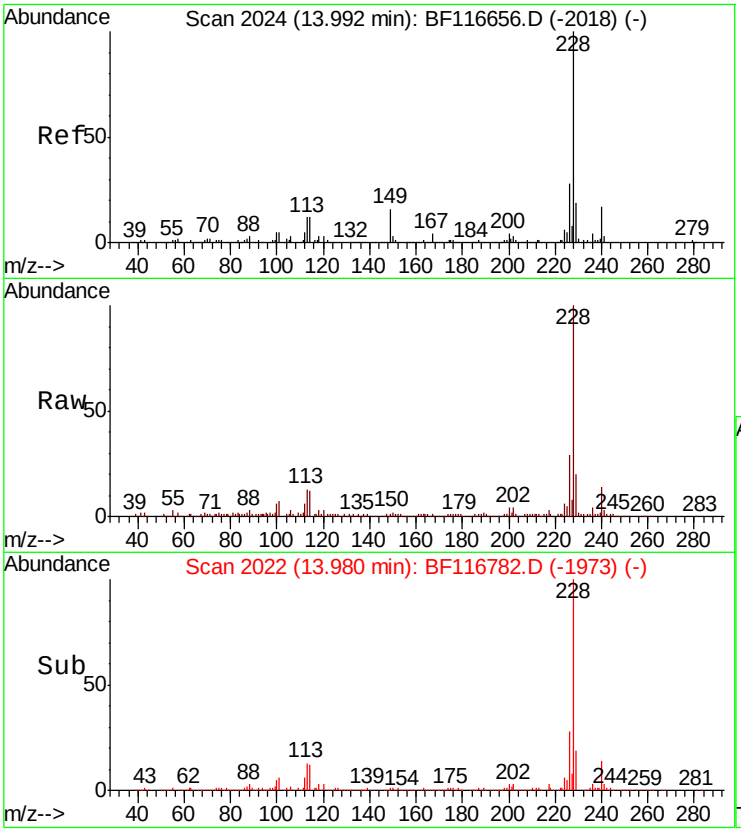


#79
Terphenyl-d14
Concen: 54.615 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion:244 Resp: 823875

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.1	9.1
122	13.1	10.2	15.4



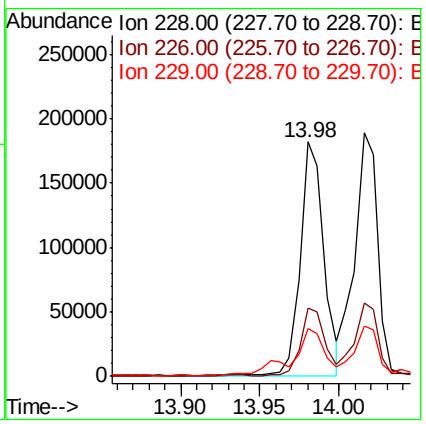


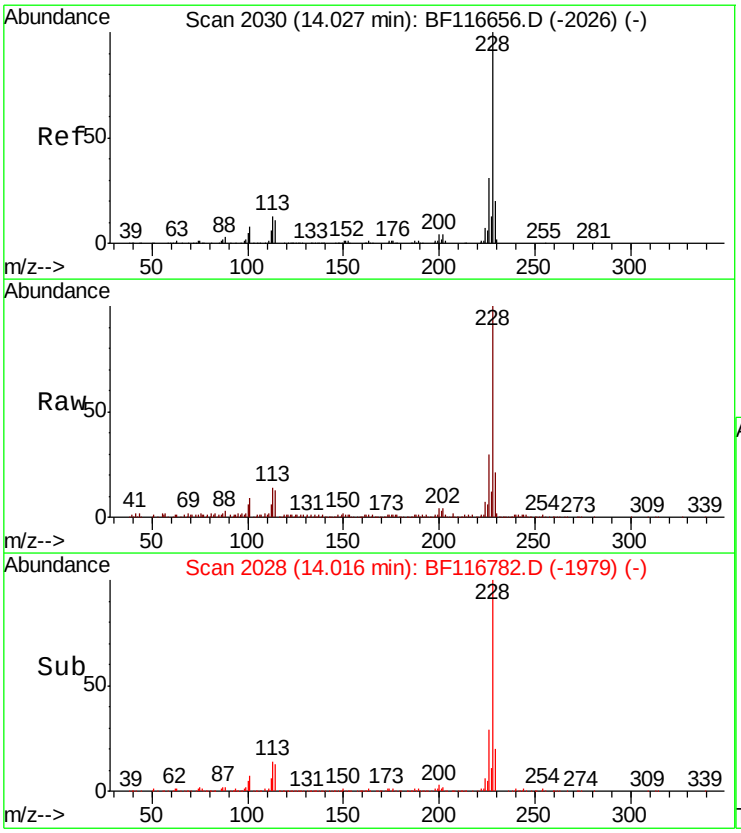
#81
Benzo(a)anthracene
Concen: 10.567 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 186626

Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.0	33.0
229	20.3	16.4	24.6

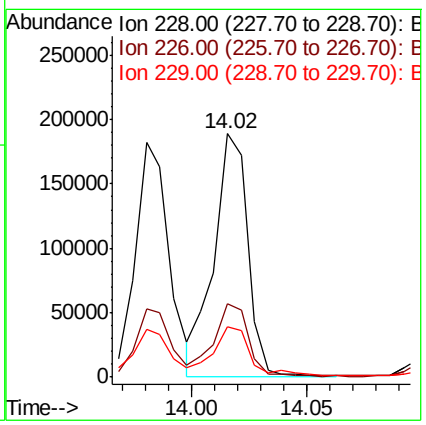


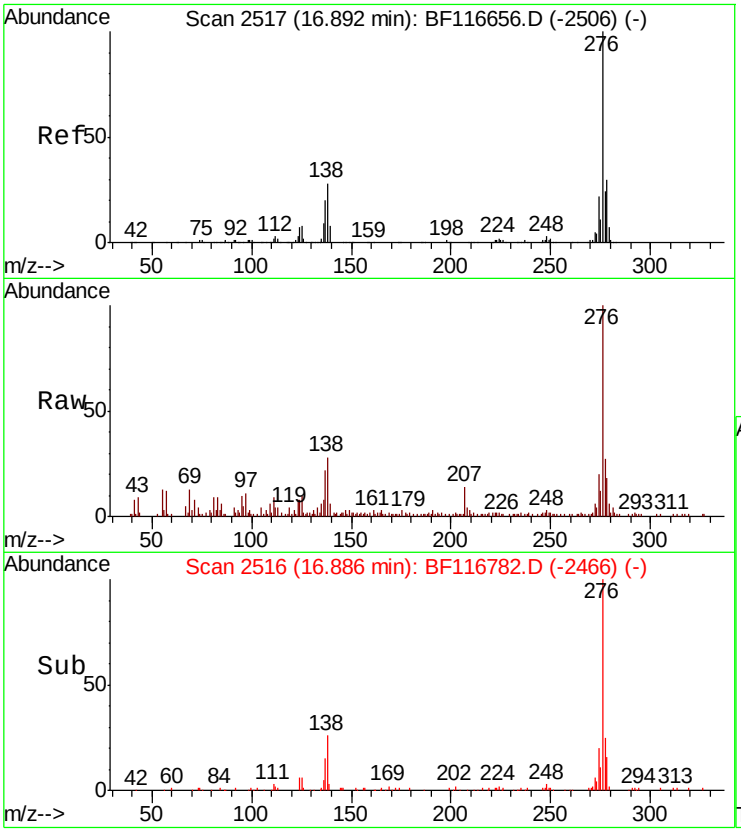


#83
Chrysene
Concen: 10.523 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion:228 Resp: 191483

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	20.7	15.4	23.0



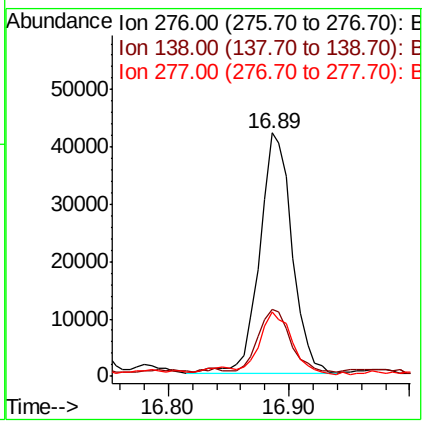


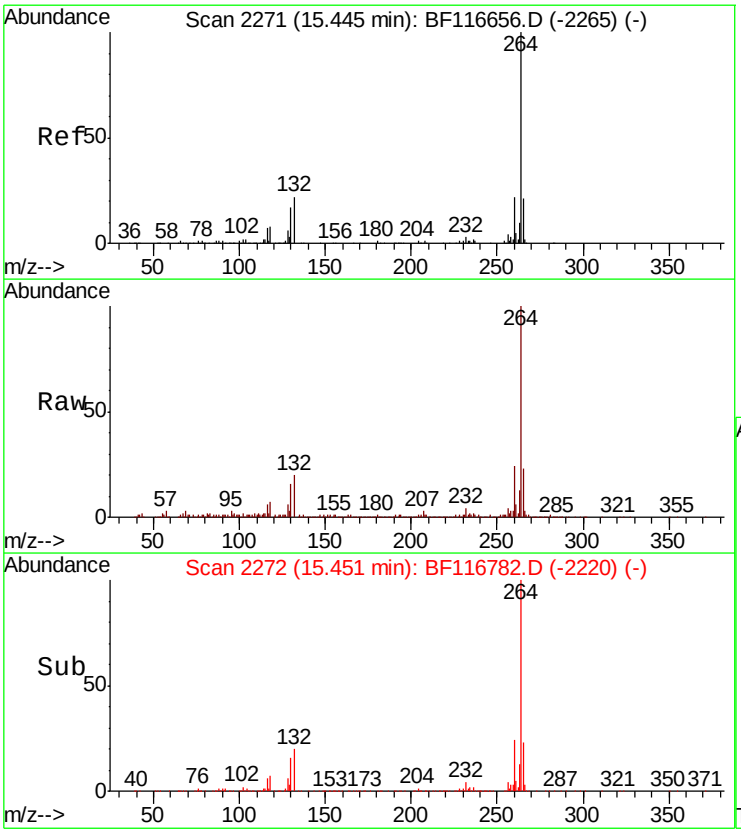
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.387 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 78739

Ion	Ratio	Lower	Upper
276	100		
138	26.2	19.4	29.2
277	25.6	20.5	30.7

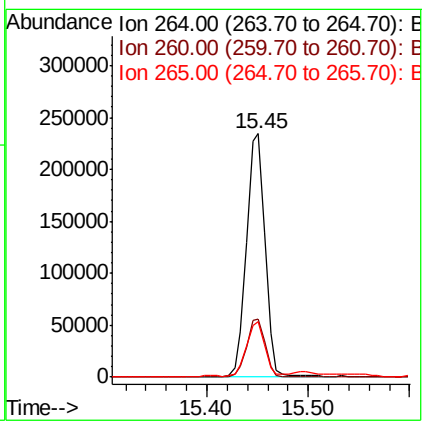


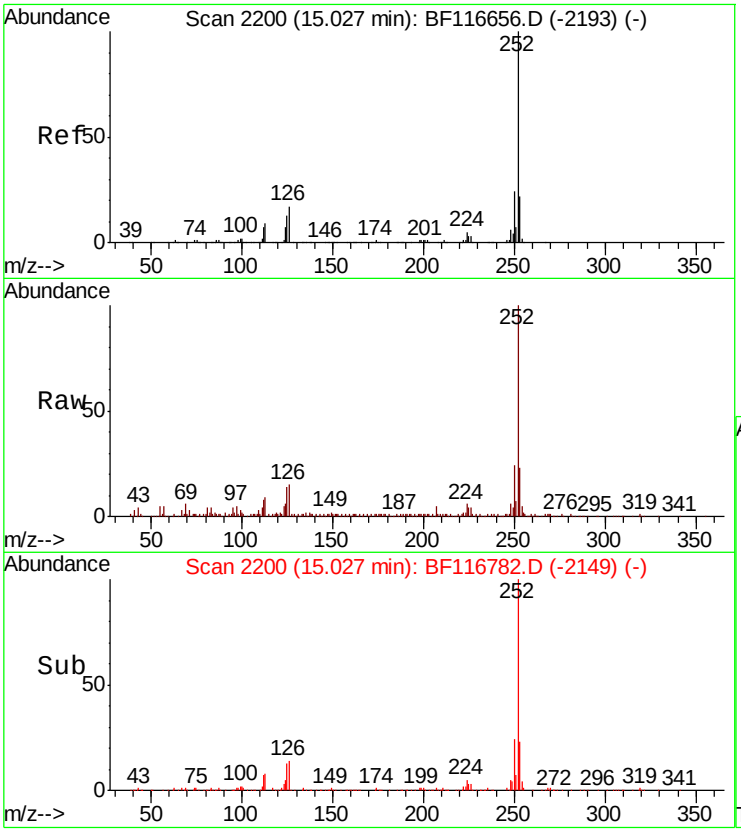


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion:264 Resp: 299714

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	23.0	16.5	24.7



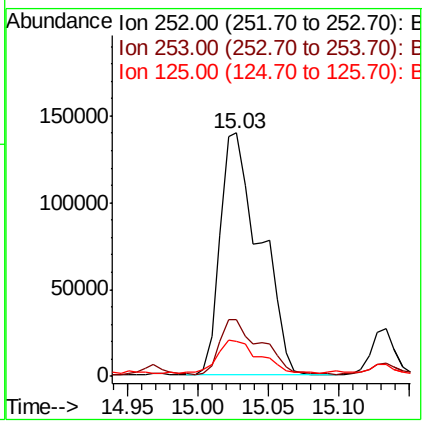


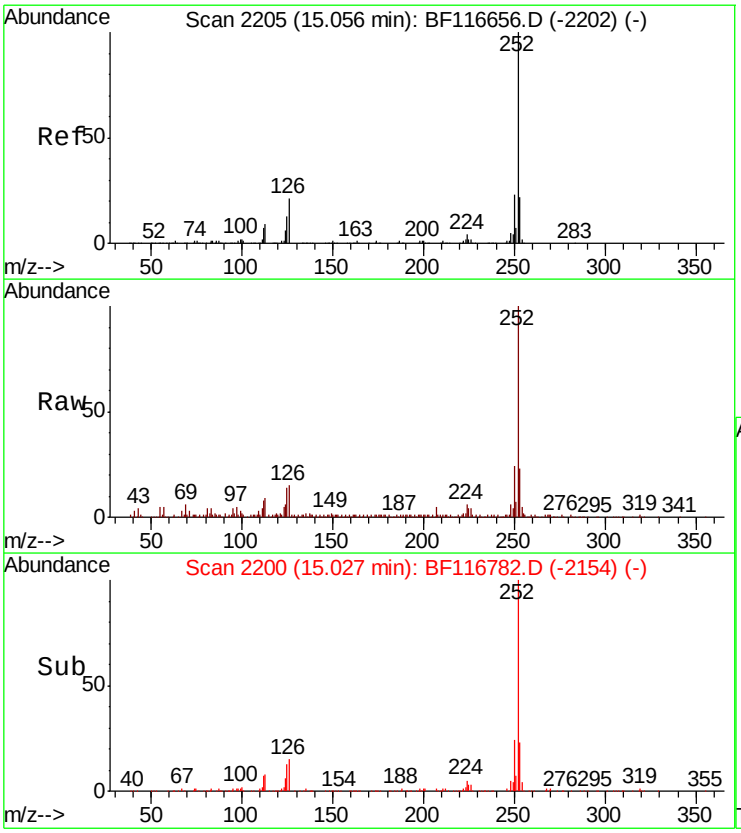
#88
Benzo(b)fluoranthene
Concen: 15.293 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 277119

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	14.4	8.2	12.2#

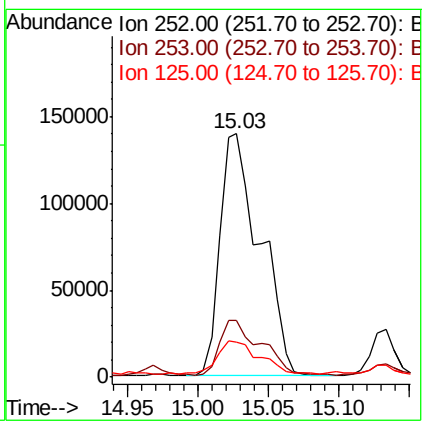


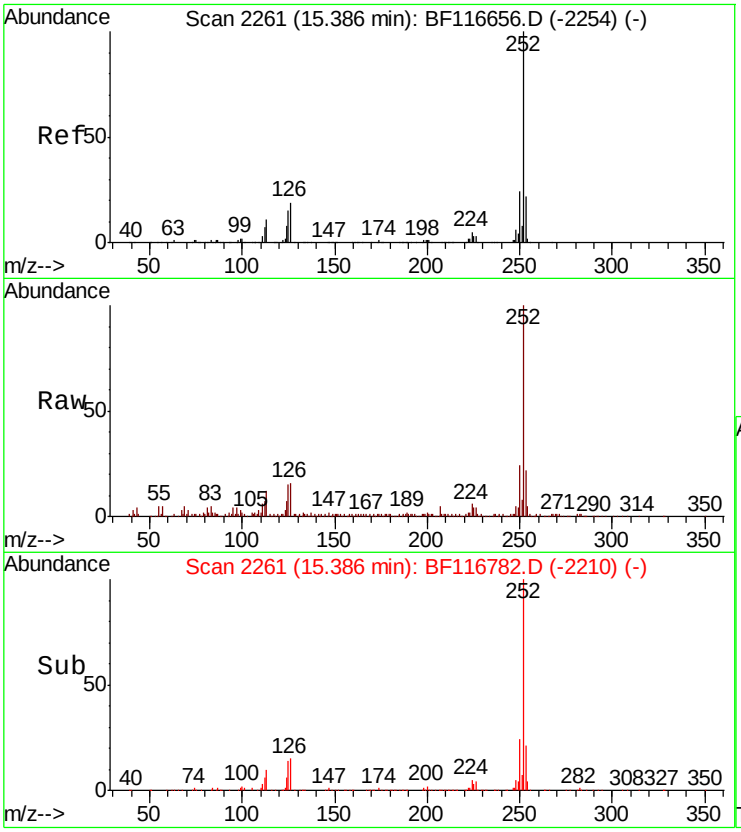


#89
Benzo(k)fluoranthene
Concen: 16.773 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.03 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion:252 Resp: 277119

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	14.4	8.6	13.0#



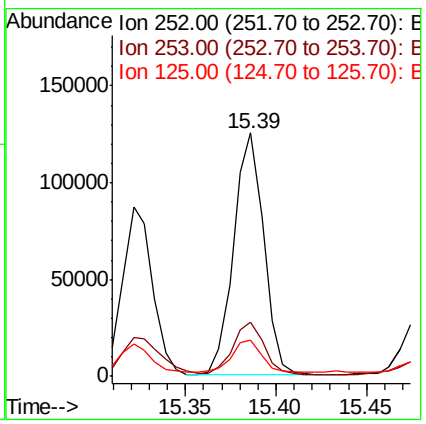


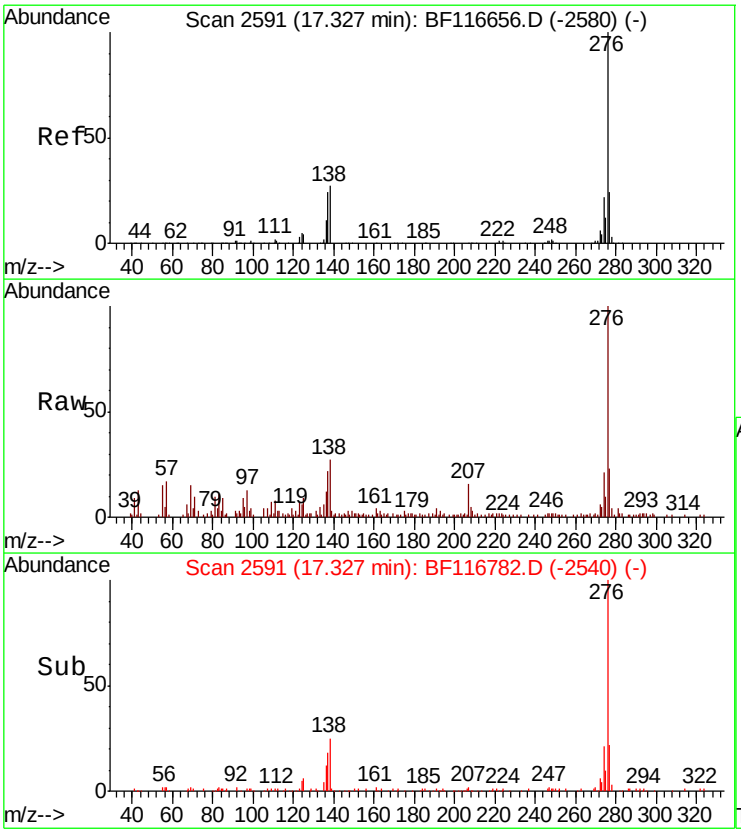
#90
Benzo(a)pyrene
Concen: 9.158 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 144375

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	15.1	9.8	14.8#





#92
Benzo(g,h,i)perylene
Concen: 5.194 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.00 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion:276 Resp: 73099

Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.5	27.7
138	26.8	16.2	24.2#