Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112161.D
Acq On : 21 Jan 2019 16:25
Operator : JU/SJ
Sample : K1013-03 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-011819-B

Quant Time: Jan 21 17:59:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jan 19 01:02:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	246529	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	899400	20.00	ng		0.00
39) Acenaphthene-d10	9.89	164	358424	20.00	ng		0.00
64) Phenanthrene-d10	11.37	188	596147	20.00	ng		-0.01
76) Chrysene-d12	14.02	240	511823	20.00	ng		0.00
87) Perylene-d12	15.49	264	378920	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	298403	21.97	ng		-0.01
7) Phenol-d6	6.49	99	371835	21.88	ng		-0.01
23) Nitrobenzene-d5	7.41	82	198937	15.28	ng		-0.02
42) 2,4,6-Tribromophenol	10.68	330	73804	19.09	ng		-0.01
45) 2-Fluorobiphenyl	9.21	172	419547	17.16	ng		0.00
79) Terphenyl-d14	12.96	244	369594	15.36	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.49	77	777	Below Cal		#	1
19) n-Nitroso-di-n-propylamine	7.41	70	27292	2.636	ng	#	78
25) Isophorone	7.41	82	198638	7.900	ng	#	64
32) Benzoic acid	8.13	122	115	7.191	ng	#	1
51) 2,6-Dinitrotoluene	9.89	165	51077	9.785	ng	#	34
56) 4-Nitrophenol	9.99	139	879	5.851	ng	#	1
57) 2,4-Dinitrotoluene	9.89	165	51077	11.476	ng	#	32
58) Fluorene	10.44	166	51320	2.168	ng		97
65) 4,6-Dinitro-2-methylphenol	10.68	198	113	10.106	ng	#	1
71) Phenanthrene	11.40	178	378283	12.609	ng		98
72) Anthracene	11.45	178	130590	4.297	ng		97
75) Fluoranthene	12.59	202	733193	23.146	ng		99
78) Pyrene	12.82	202	677000	20.049	ng		98
81) Benzo(a)anthracene	14.01	228	352414	12.009	ng		97
83) Chrysene	14.04	228	295796	10.652	ng		97
86) Indeno(1,2,3-cd)pyrene	16.97	276	116055	4.530	ng	#	93
88) Benzo(b)fluoranthene	15.06	252	428489	19.921	ng	#	95
89) Benzo(k)fluoranthene	15.06	252	428489	20.583	ng		96
90) Benzo(a)pyrene	15.43	252	221688	11.239	ng		96
92) Benzo(g,h,i)perylene	17.42	276	112599	6.524	ng		97

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

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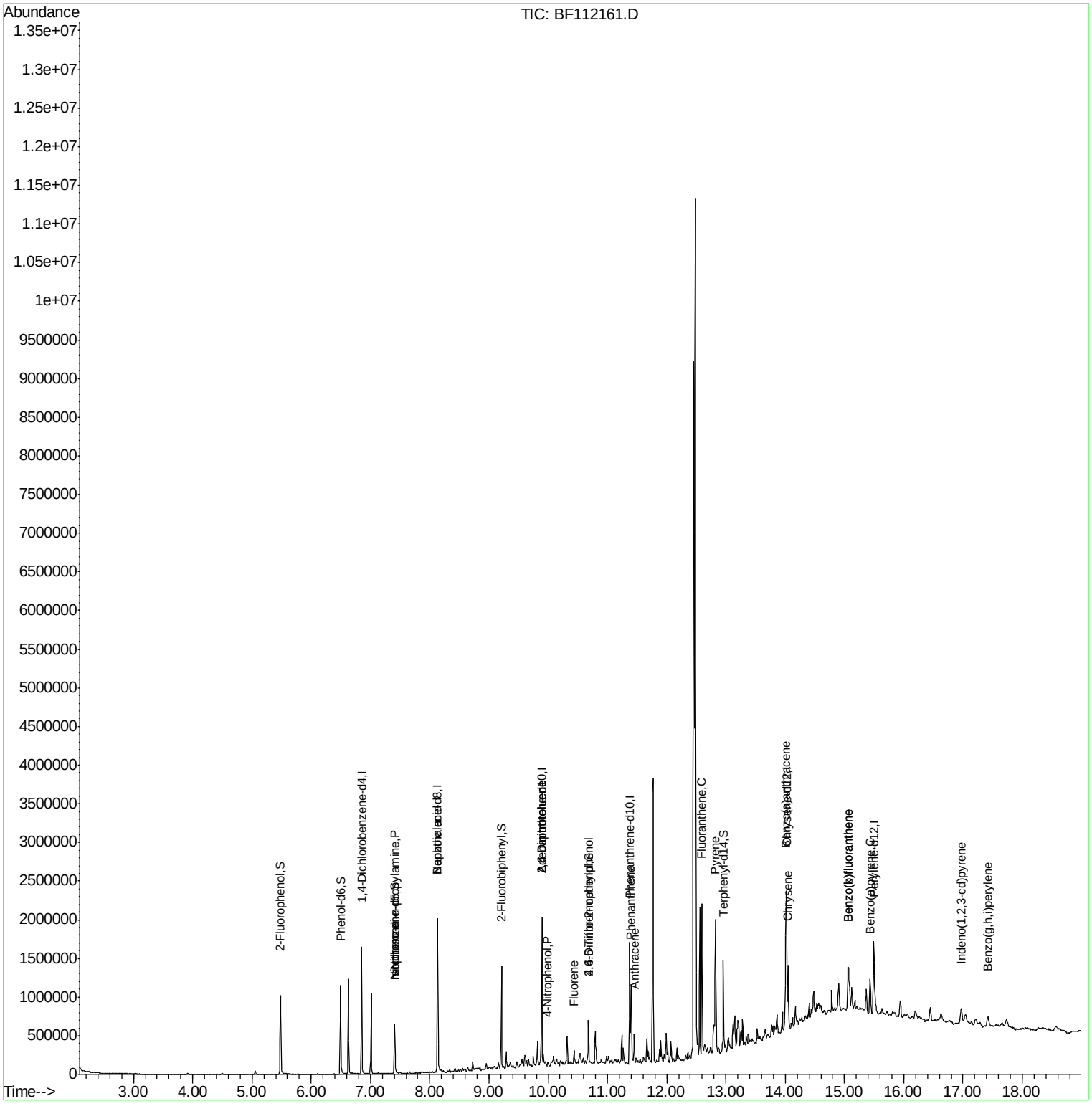
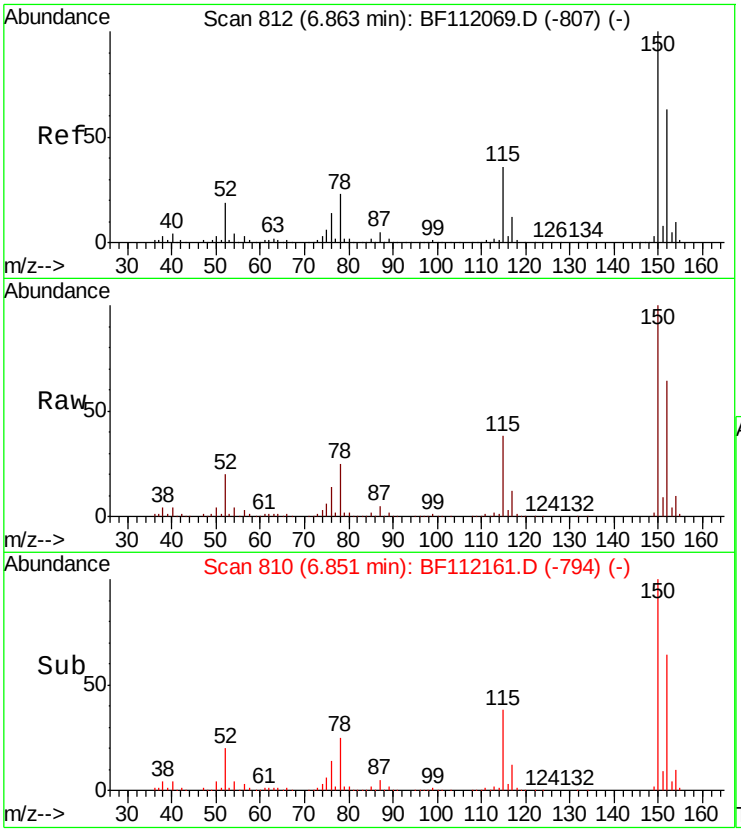


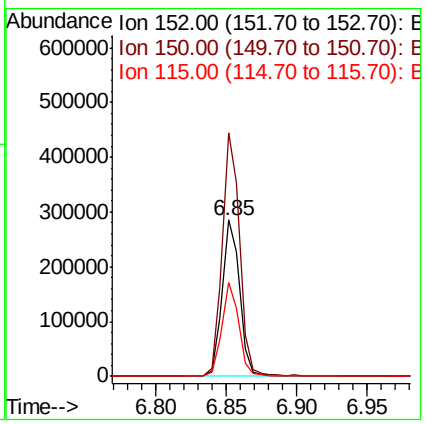


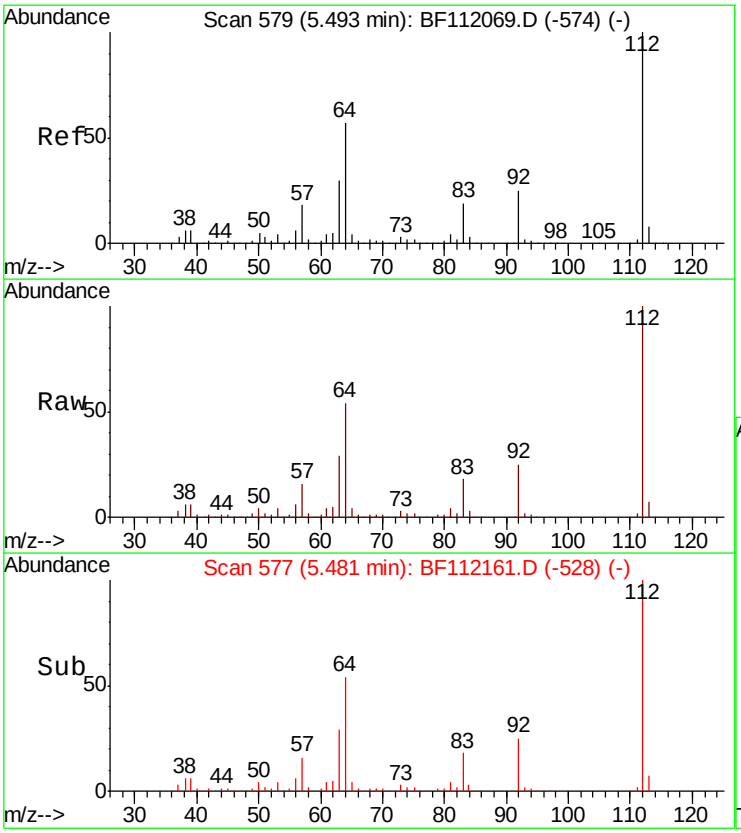
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:152 Resp: 246529

Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.4	191.0
115	60.1	45.5	68.3

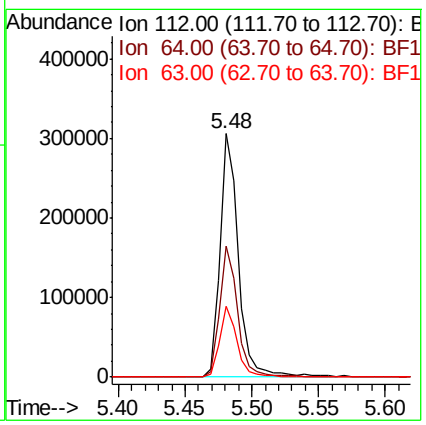


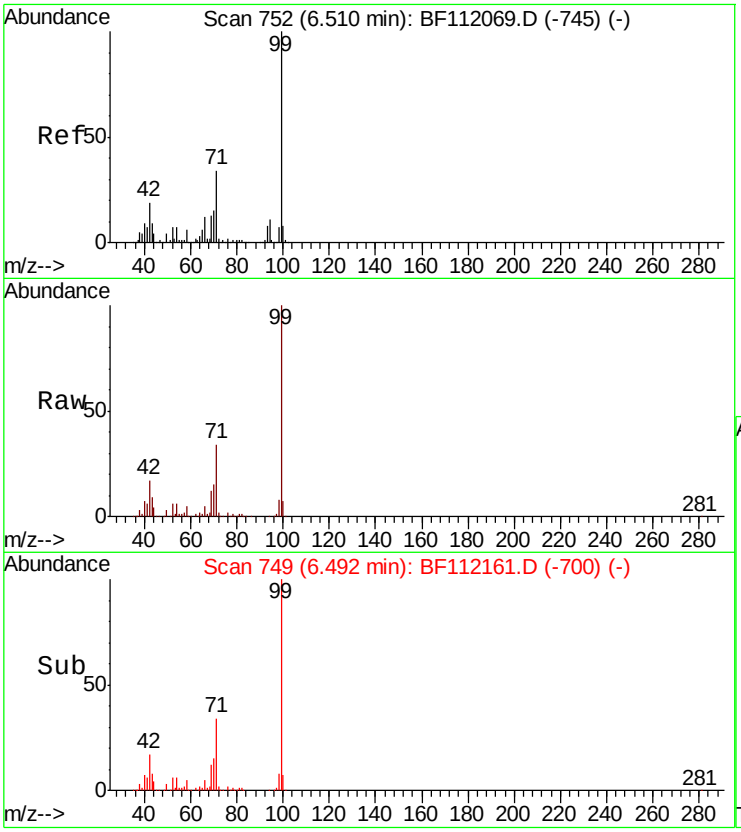


#5
2-Fluorophenol
Concen: 21.970 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion:112 Resp: 298403

Ion	Ratio	Lower	Upper
112	100		
64	53.8	45.7	68.5
63	29.0	23.6	35.4



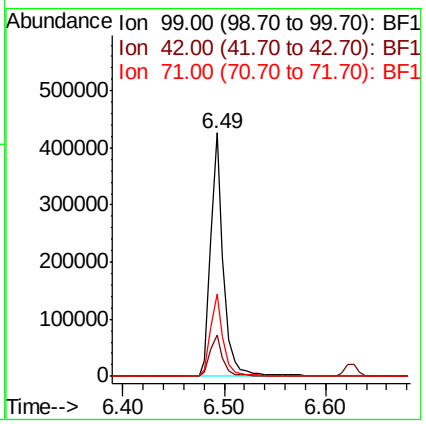


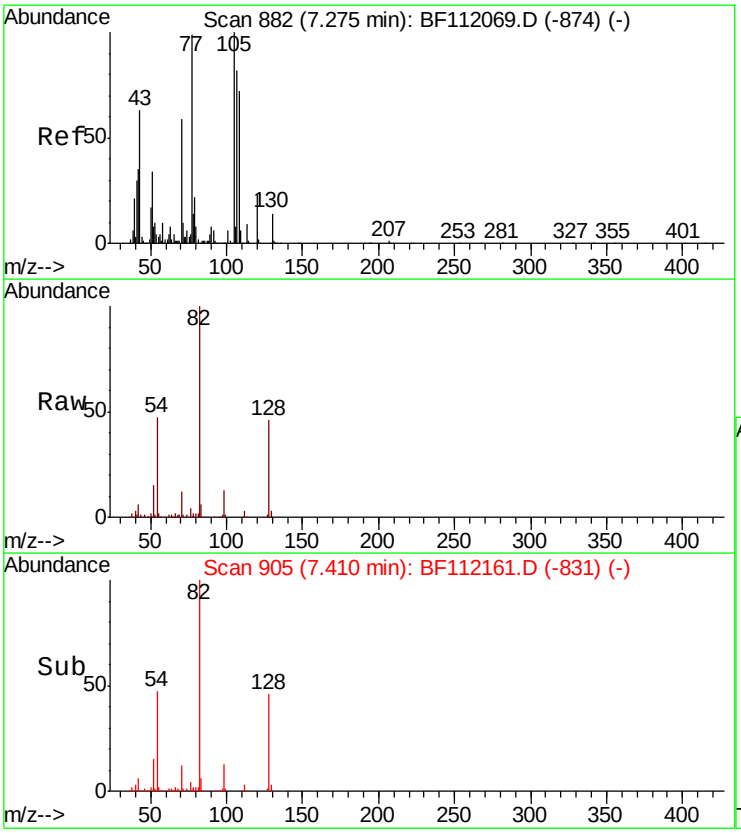
#7
Phenol-d6
Concen: 21.881 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion: 99 Resp: 371835

Ion	Ratio	Lower	Upper
99	100		
42	17.2	15.1	22.7
71	34.0	26.9	40.3

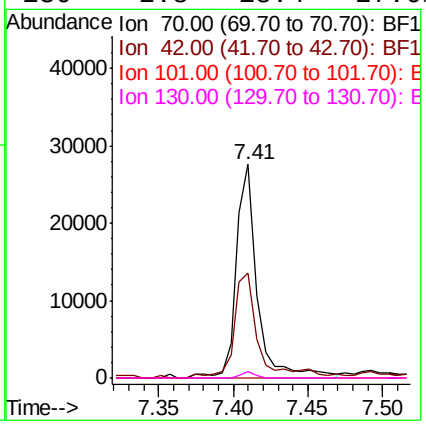


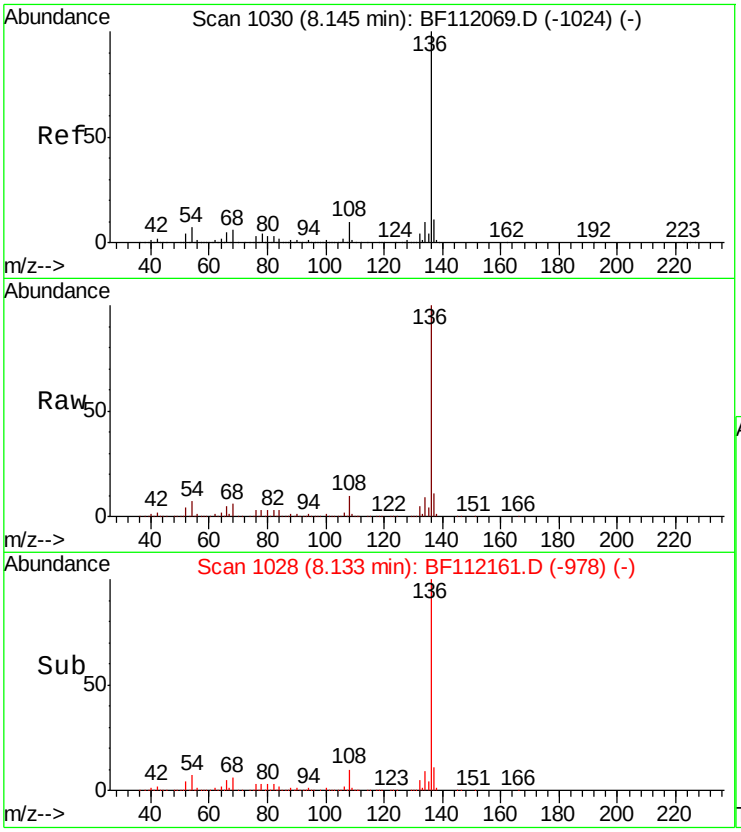


#19
n-Nitroso-di-n-propylamine
Concen: 2.636 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion: 70 Resp: 27292

Ion	Ratio	Lower	Upper
70	100		
42	49.2	47.6	71.4
101	0.0	7.9	11.9#
130	2.8	18.4	27.6#



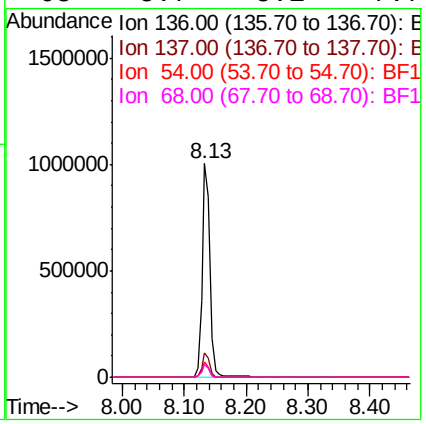


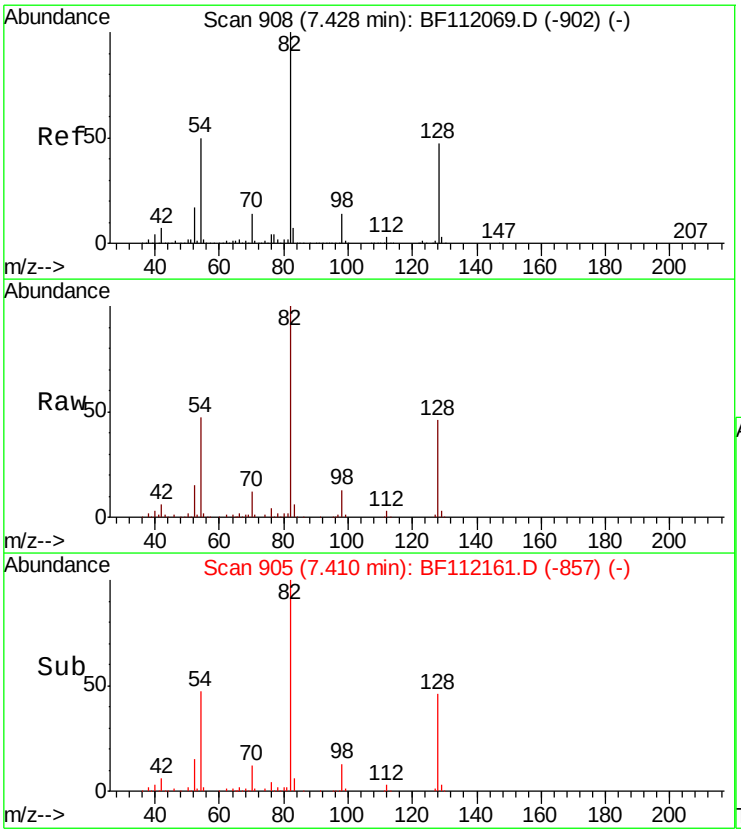
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:136 Resp: 899400

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.0	5.9	8.9
68	5.7	5.1	7.7

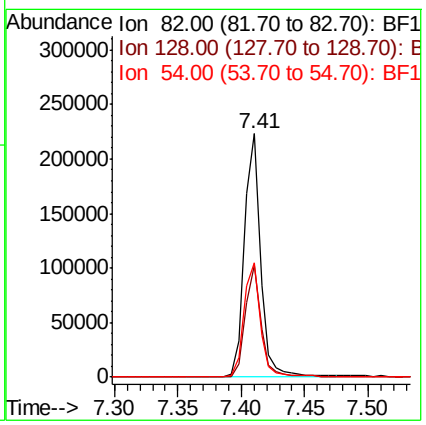


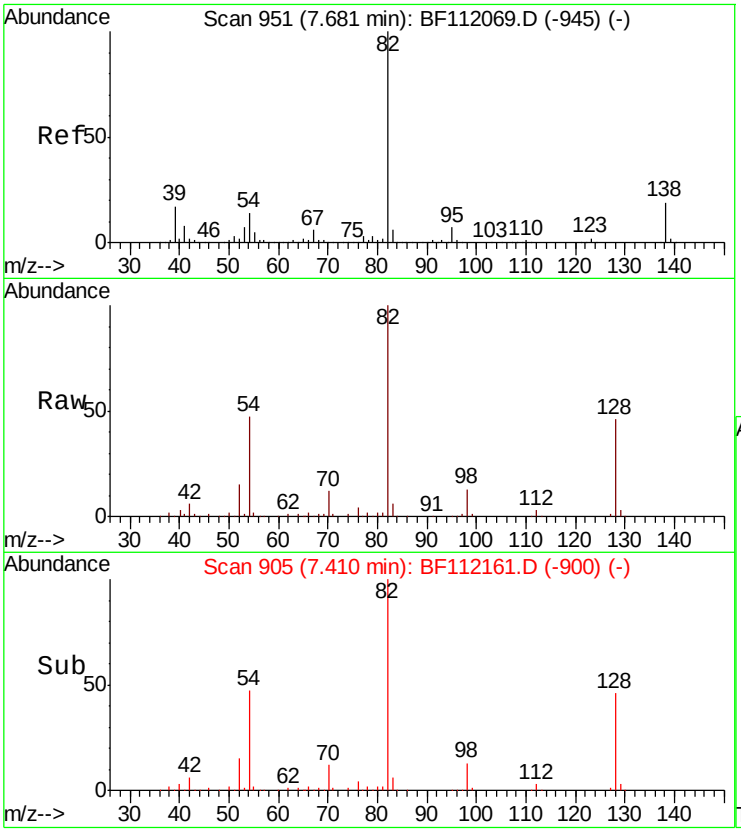


#23
Nitrobenzene-d5
Concen: 15.282 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion: 82 Resp: 198937

Ion	Ratio	Lower	Upper
82	100		
128	46.1	37.8	56.8
54	47.1	39.7	59.5



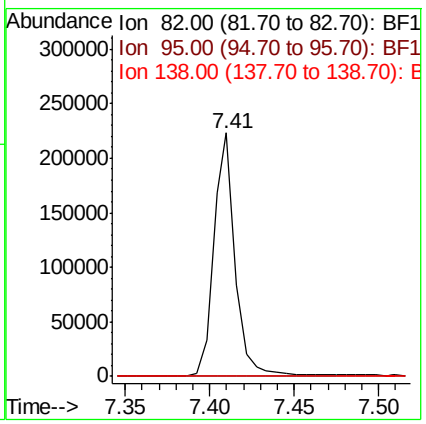


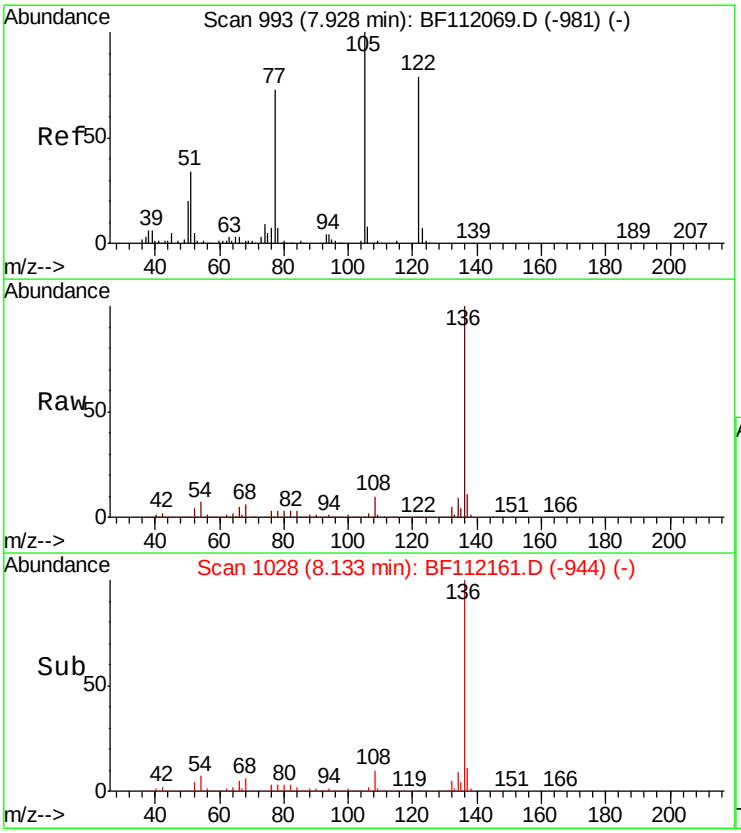
#25
Isophorone
Concen: 7.900 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.27 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion: 82 Resp: 198638

Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.7	8.5#
138	0.0	15.4	23.0#

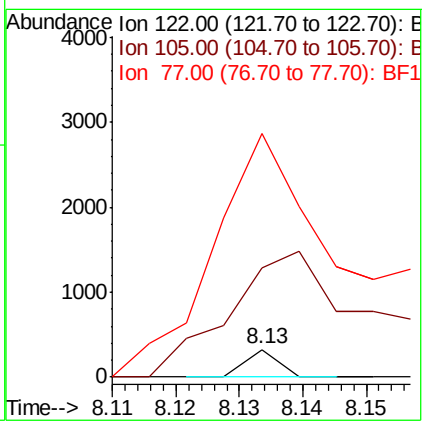


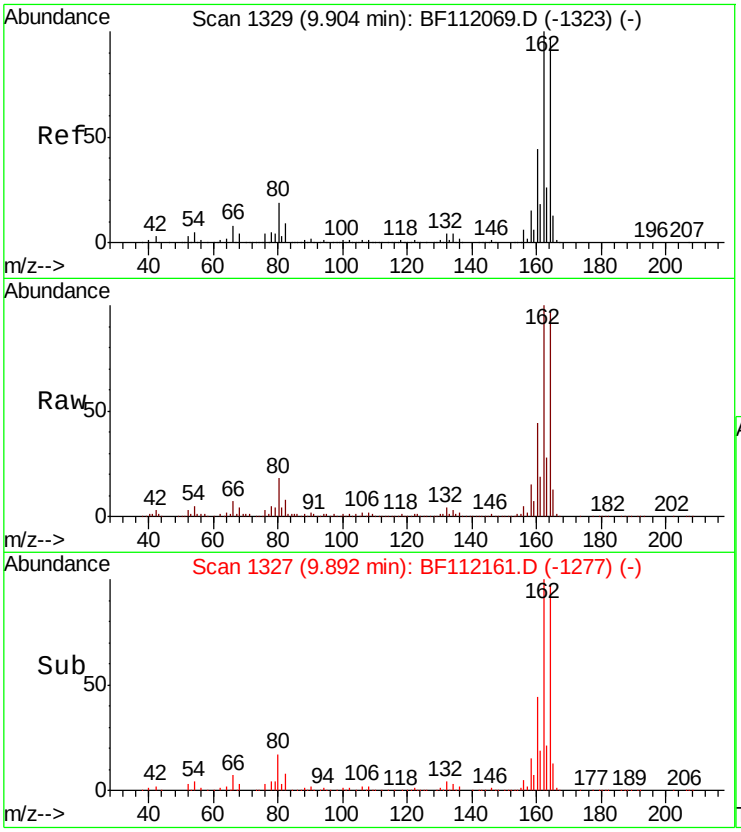


#32
Benzoic acid
Concen: 7.191 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.19 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion:122 Resp: 115

Ion	Ratio	Lower	Upper
122	100		
105	395.7	101.2	141.2#
77	879.4	70.4	110.4#



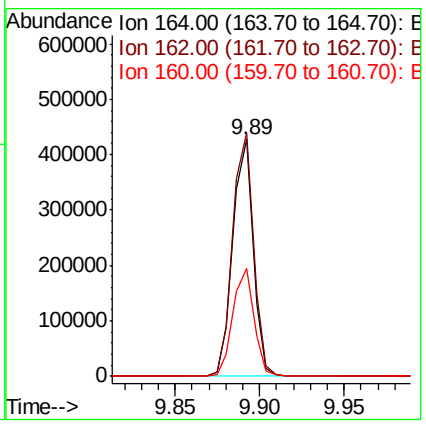


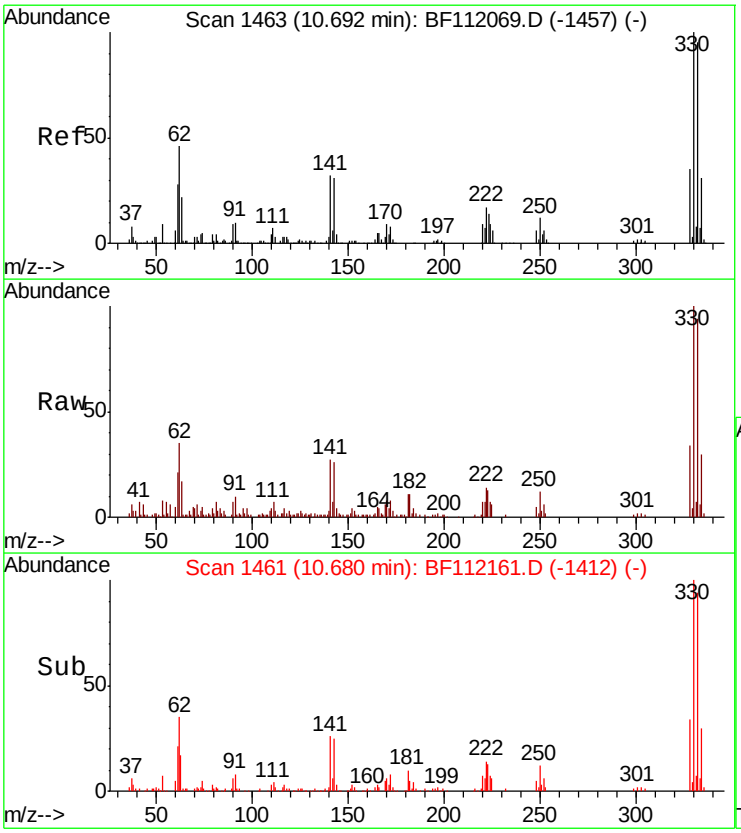
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:164 Resp: 358424

Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.2	123.4
160	45.5	36.2	54.4

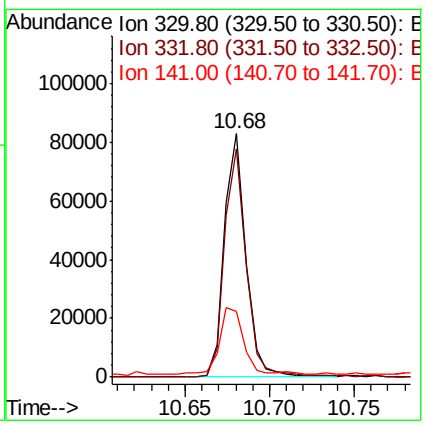


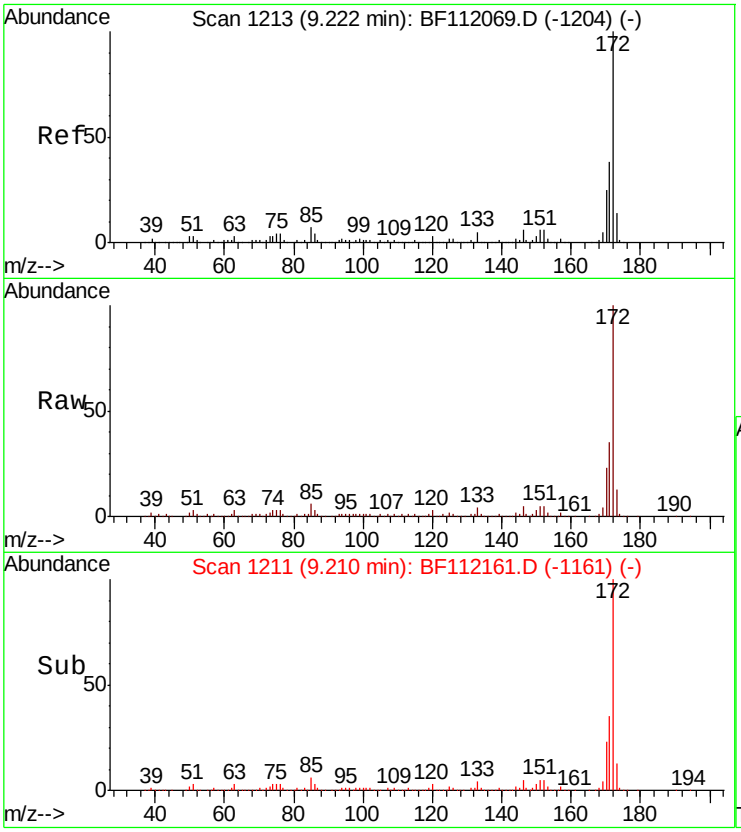


#42
2,4,6-Tribromophenol
Concen: 19.088 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion:330 Resp: 73804

Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	114.8
141	31.5	24.3	36.5



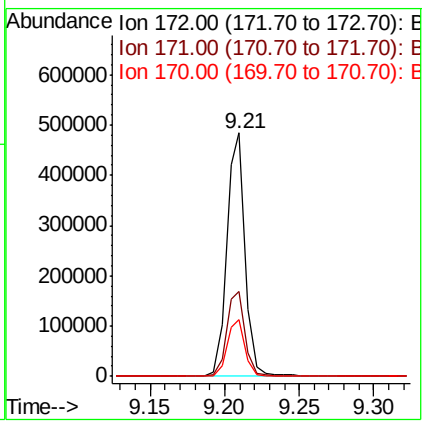


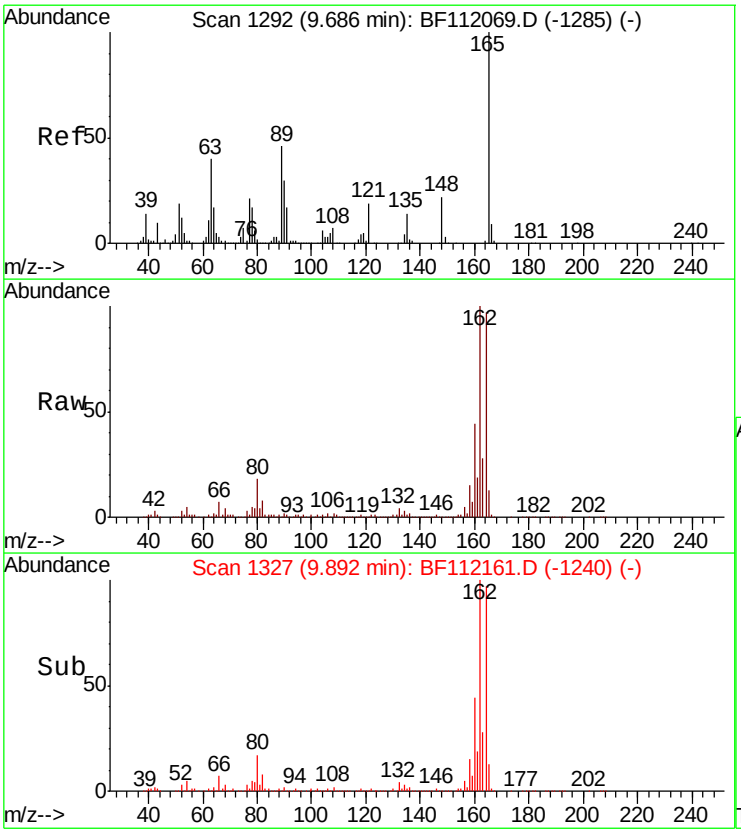
#45
2-Fluorobiphenyl
Concen: 17.161 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:172 Resp: 419547

Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.5	45.7
170	23.2	20.2	30.4

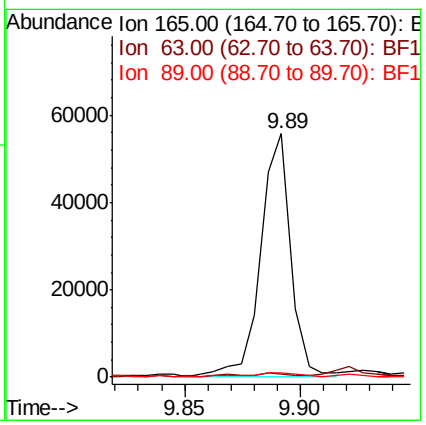


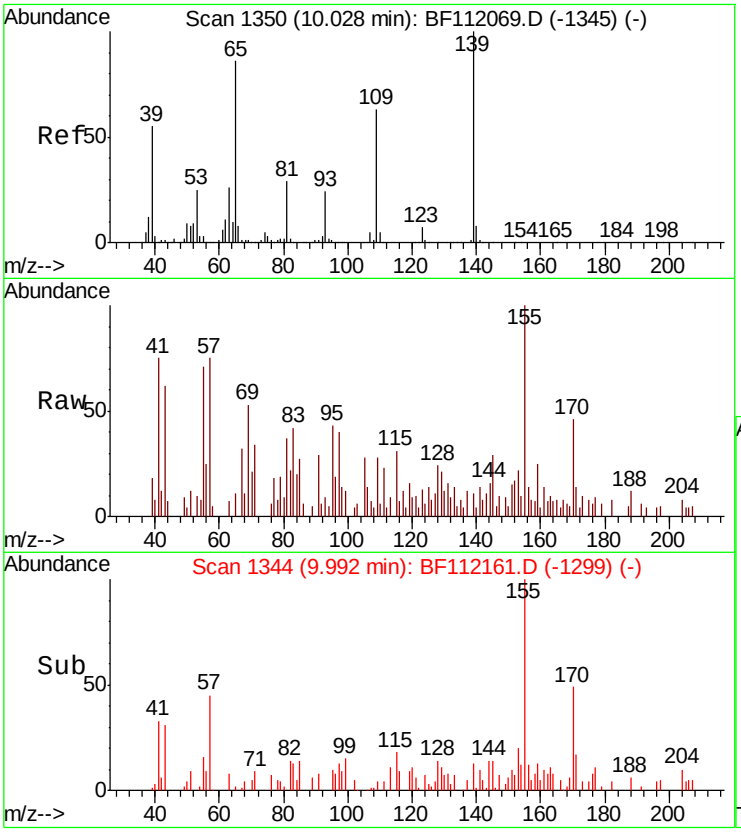


#51
2,6-Dinitrotoluene
Concen: 9.785 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.21 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion:165 Resp: 51077

Ion	Ratio	Lower	Upper
165	100		
63	1.4	33.8	50.8#
89	2.0	36.9	55.3#



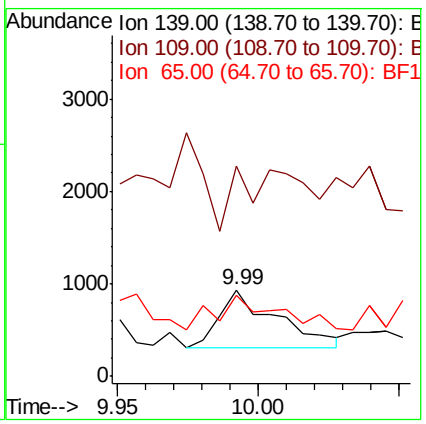


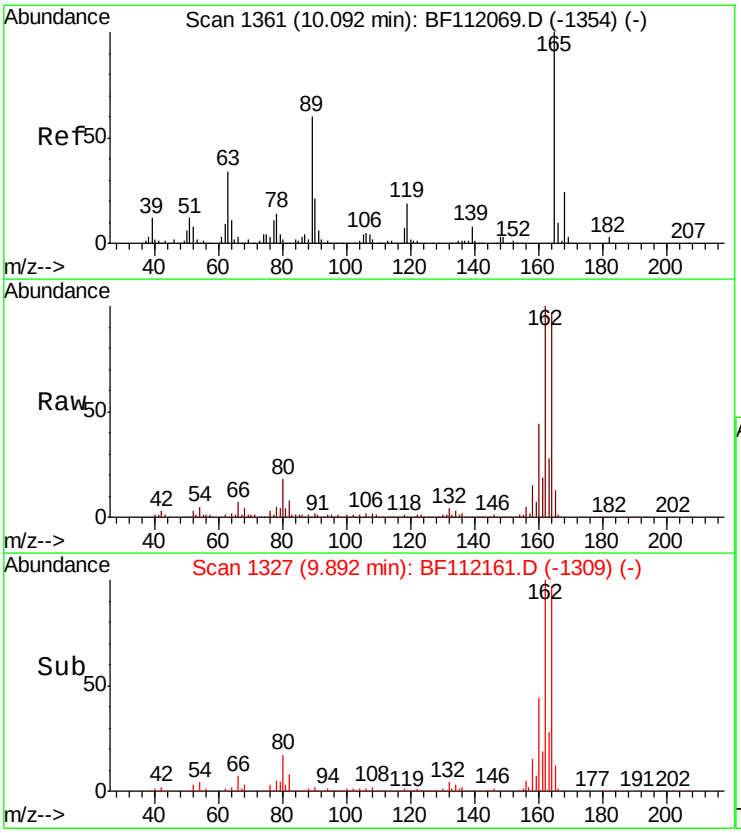
#56
4-Nitrophenol
Concen: 5.851 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.04 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:139 Resp: 879

Ion	Ratio	Lower	Upper
139	100		
109	243.8	42.8	82.8#
65	94.2	66.1	106.1

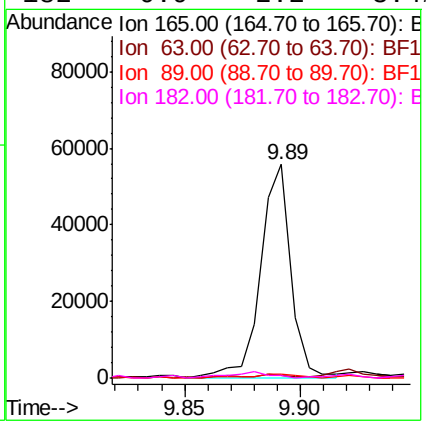


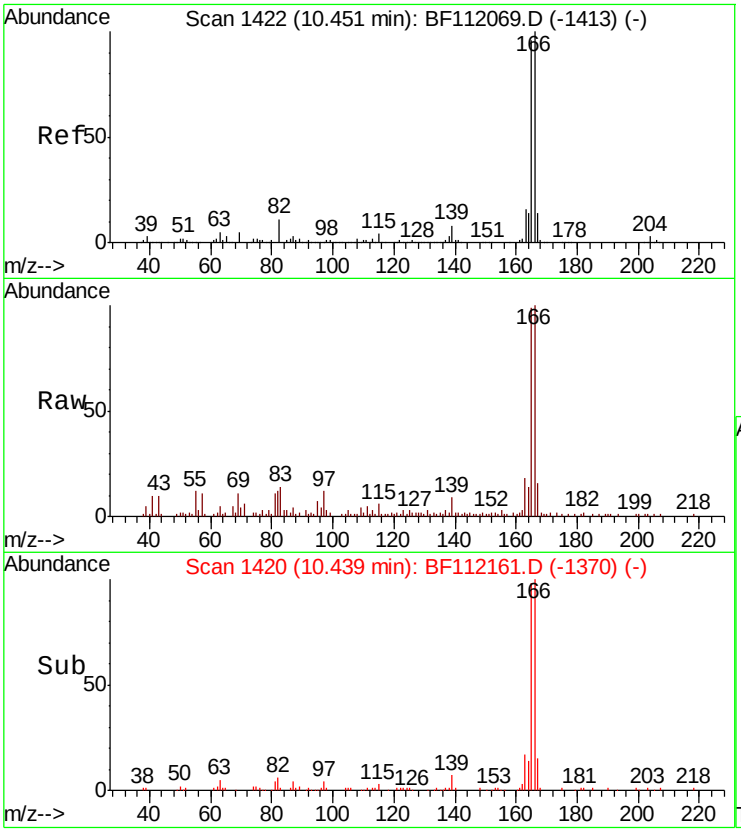


#57
2,4-Dinitrotoluene
Concen: 11.476 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.19 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion:165 Resp: 51077

Ion	Ratio	Lower	Upper
165	100		
63	1.4	27.9	41.9#
89	2.0	47.9	71.9#
182	0.9	2.2	3.4#



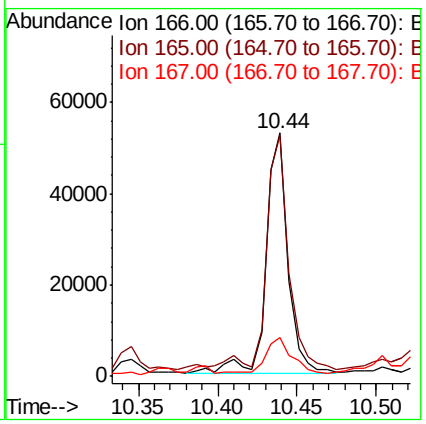


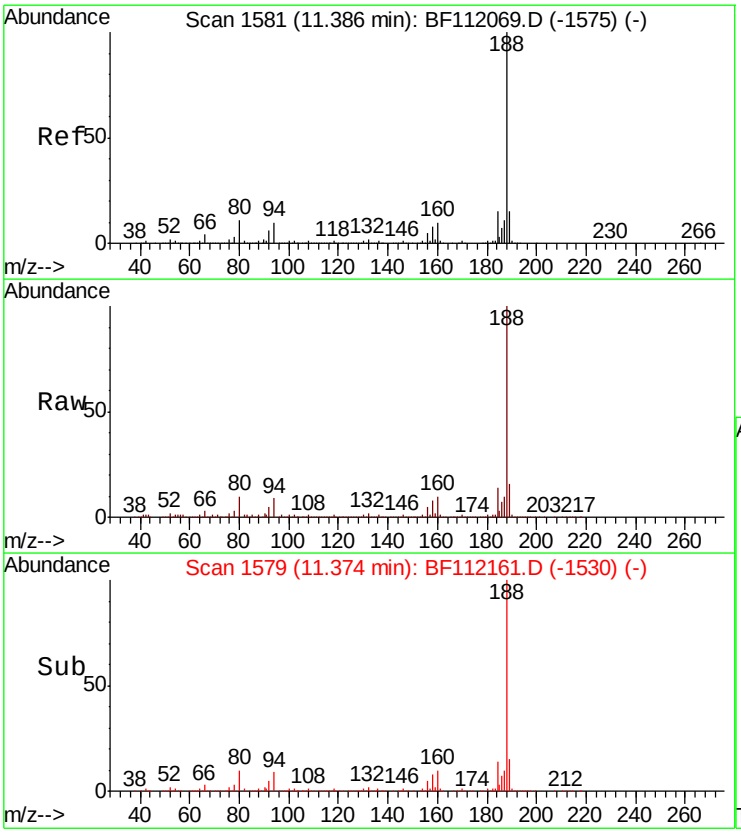
#58
Fluorene
Concen: 2.168 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:166 Resp: 51320

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.1	115.7
167	16.0	11.3	16.9

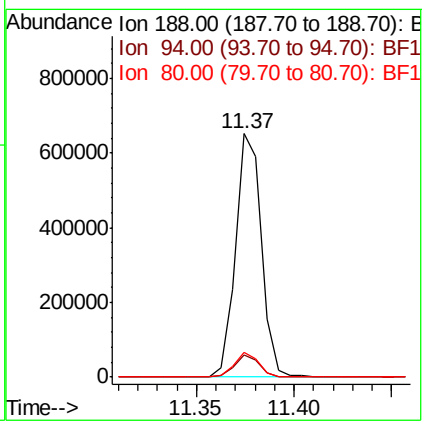


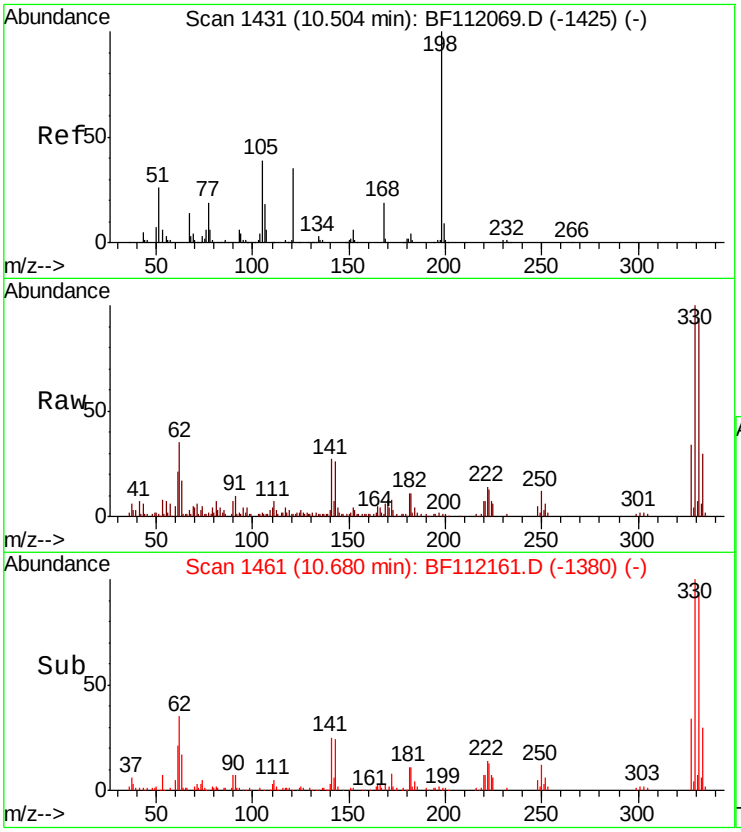


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion:188 Resp: 596147

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.2	12.2
80	10.0	8.9	13.3



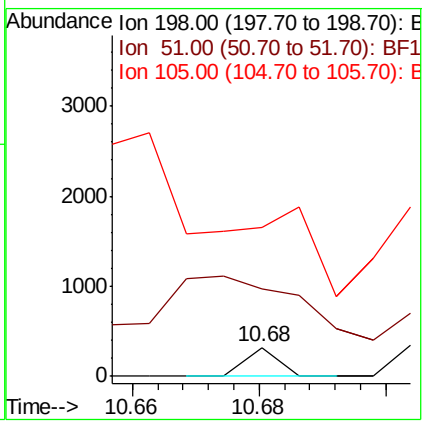


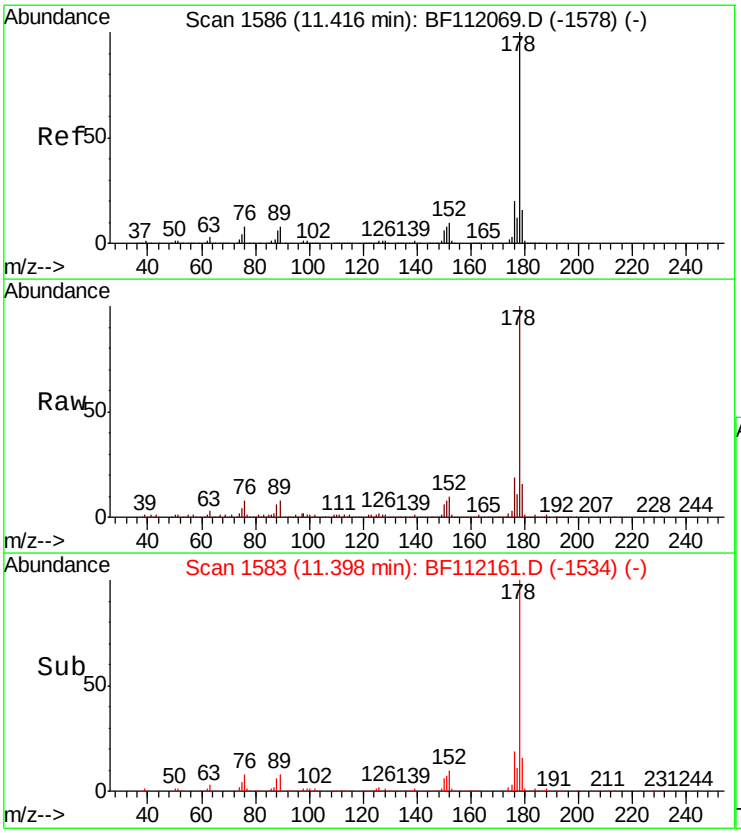
#65
4,6-Dinitro-2-methylphenol
Concen: 10.106 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.18 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:198 Resp: 113

Ion	Ratio	Lower	Upper
198	100		
51	302.5	17.2	57.2#
105	516.6	21.9	61.9#

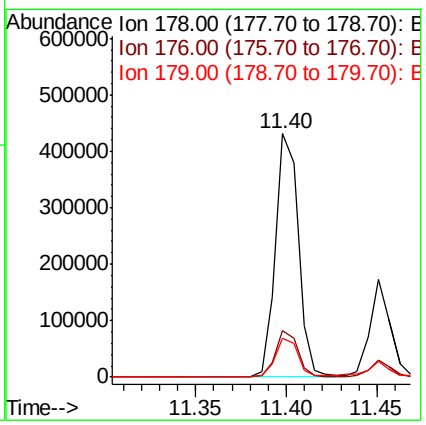


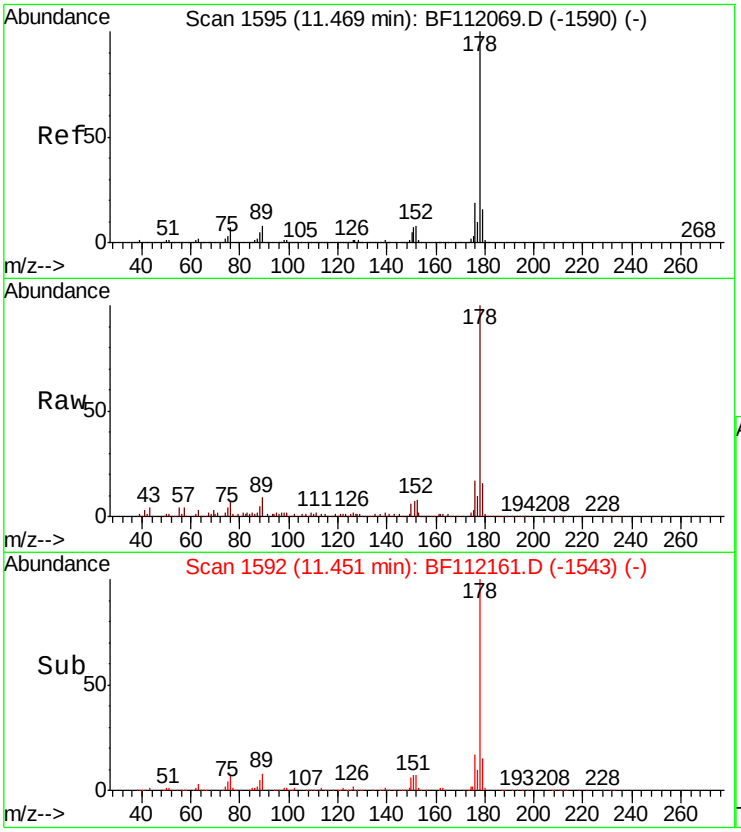


#71
Phenanthrene
Concen: 12.609 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion:178 Resp: 378283

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.3	24.5
179	15.9	13.0	19.4



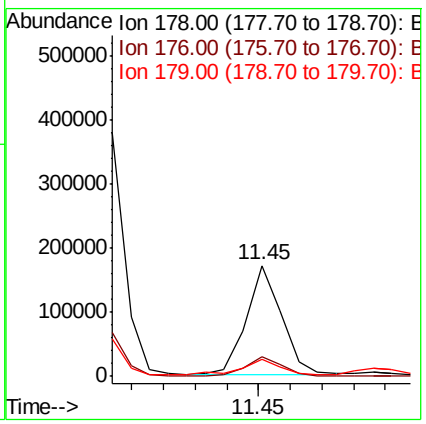


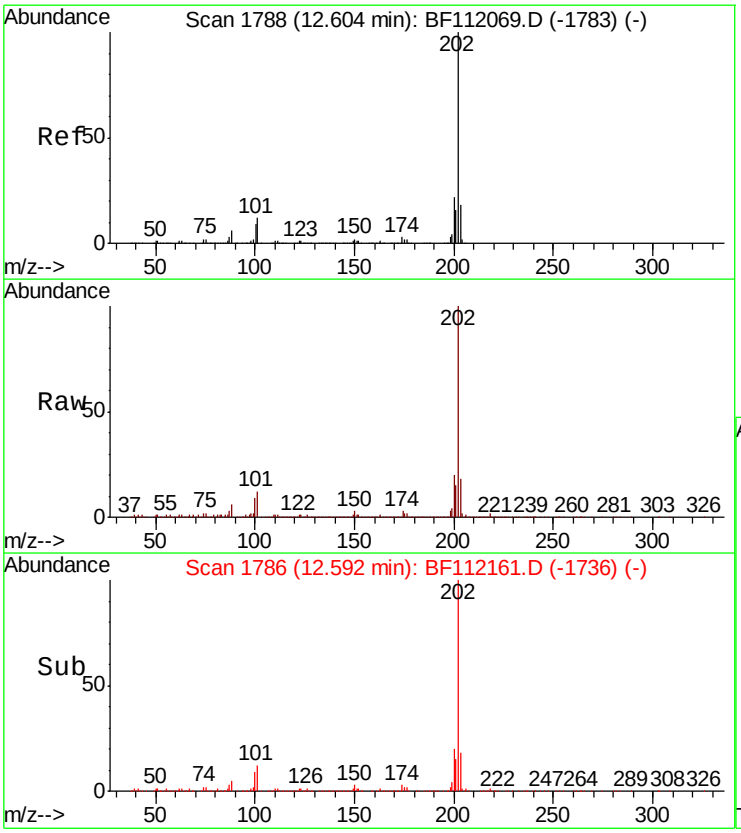
#72
Anthracene
Concen: 4.297 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:178 Resp: 130590

Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.5	23.3
179	15.6	12.8	19.2

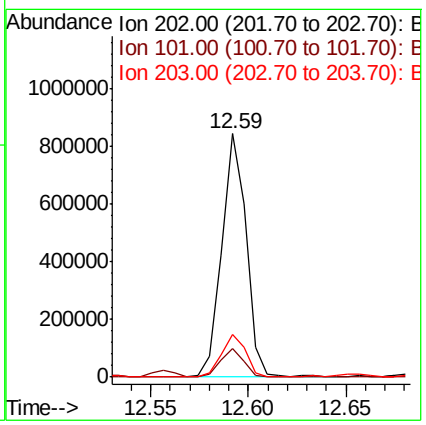


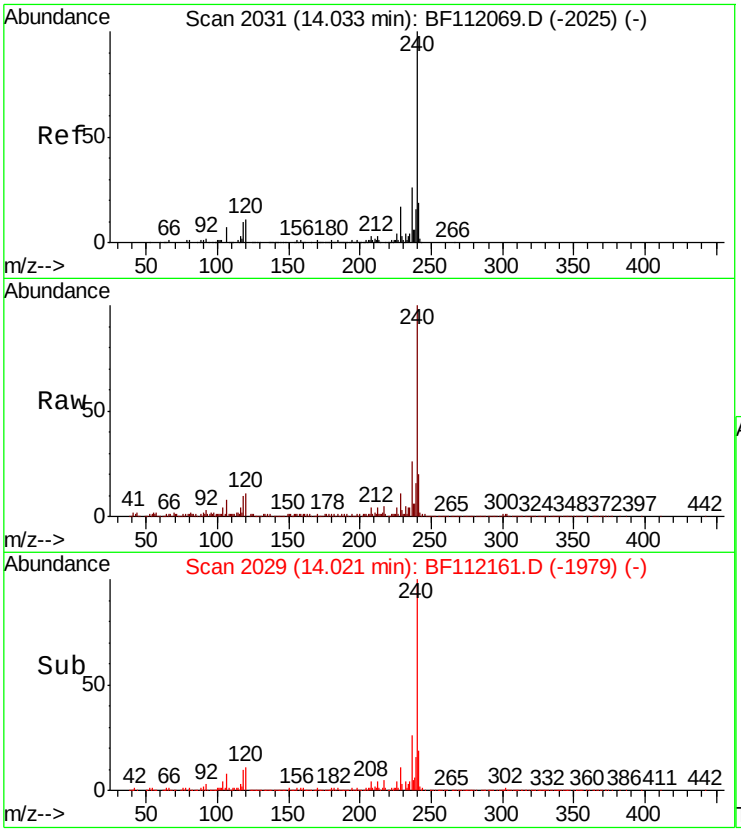


#75
Fluoranthene
Concen: 23.146 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion:202 Resp: 733193

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.8
203	17.7	0.0	38.4



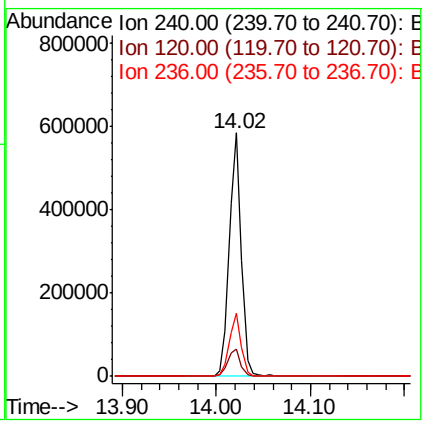


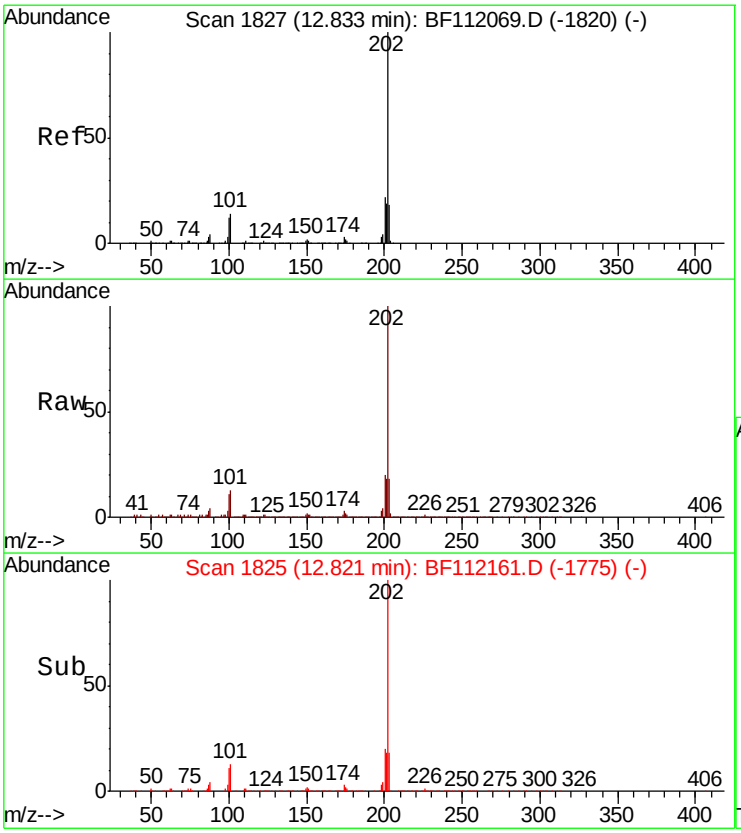
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:240 Resp: 511823

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.0	13.6
236	26.0	20.7	31.1

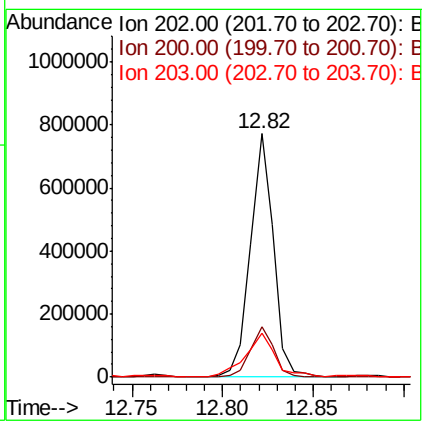


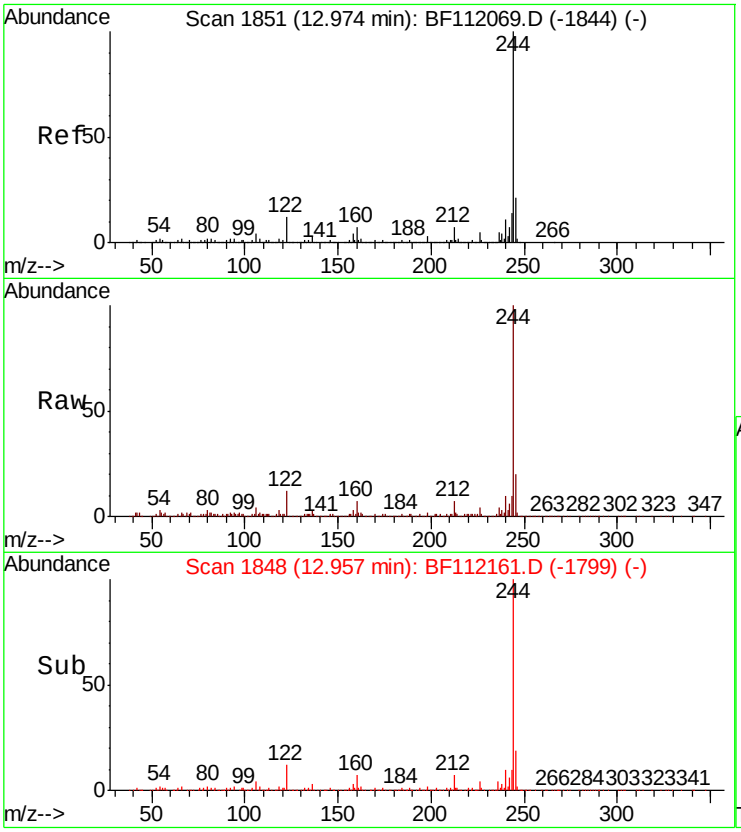


#78
Pyrene
Concen: 20.049 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion:202 Resp: 677000

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.7	26.5
203	18.3	14.6	22.0



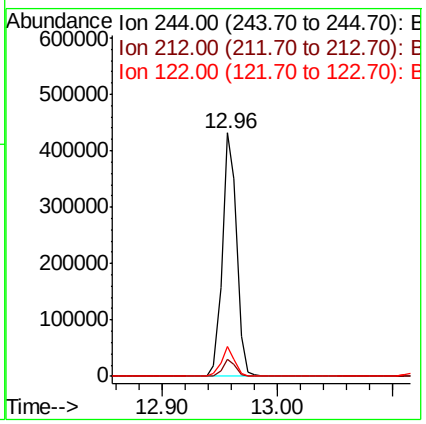


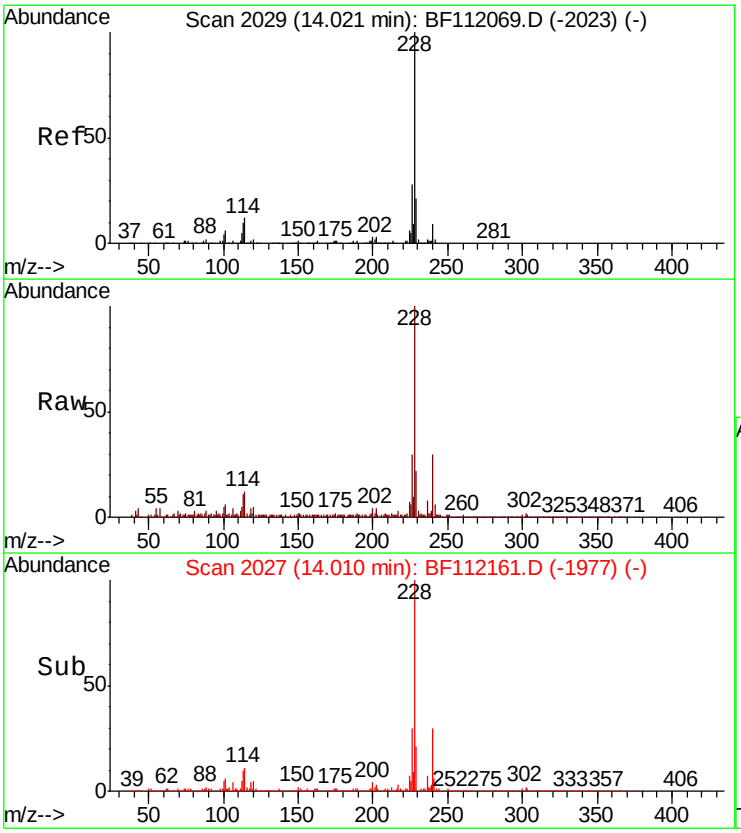
#79
Terphenyl-d14
Concen: 15.362 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:244 Resp: 369594

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	12.0	9.8	14.6

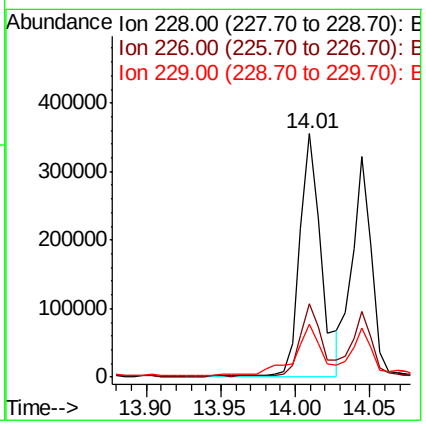


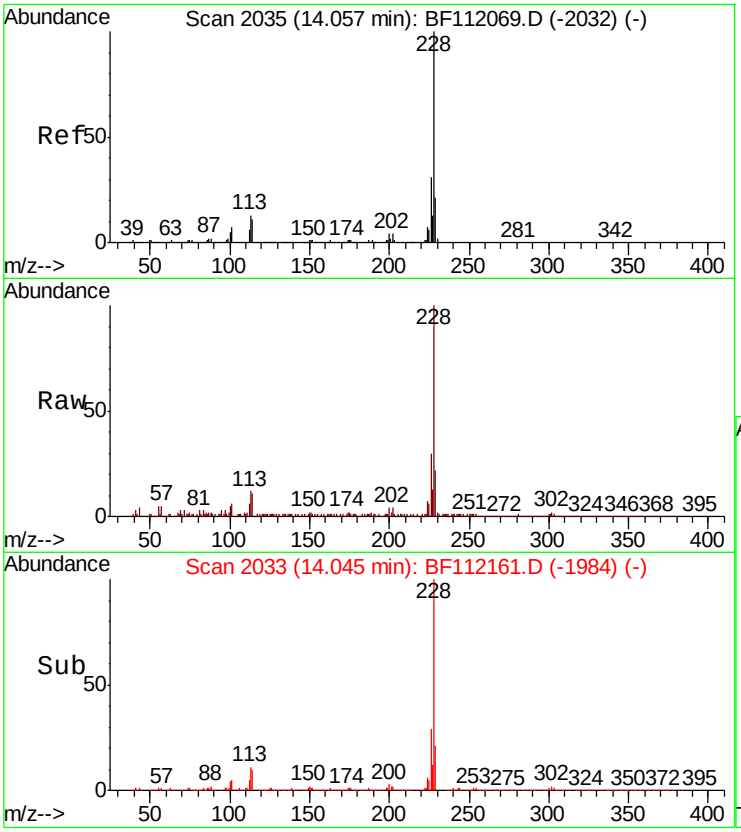


#81
Benzo(a)anthracene
Concen: 12.009 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion:228 Resp: 352414

Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	34.0
229	21.6	16.5	24.7



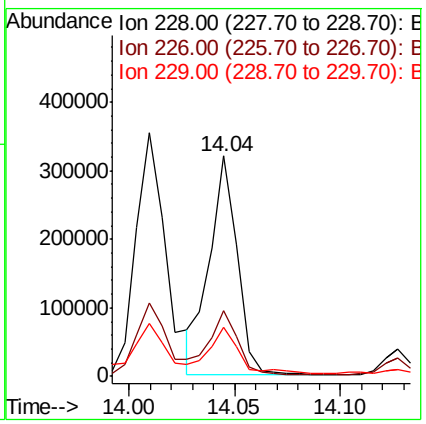


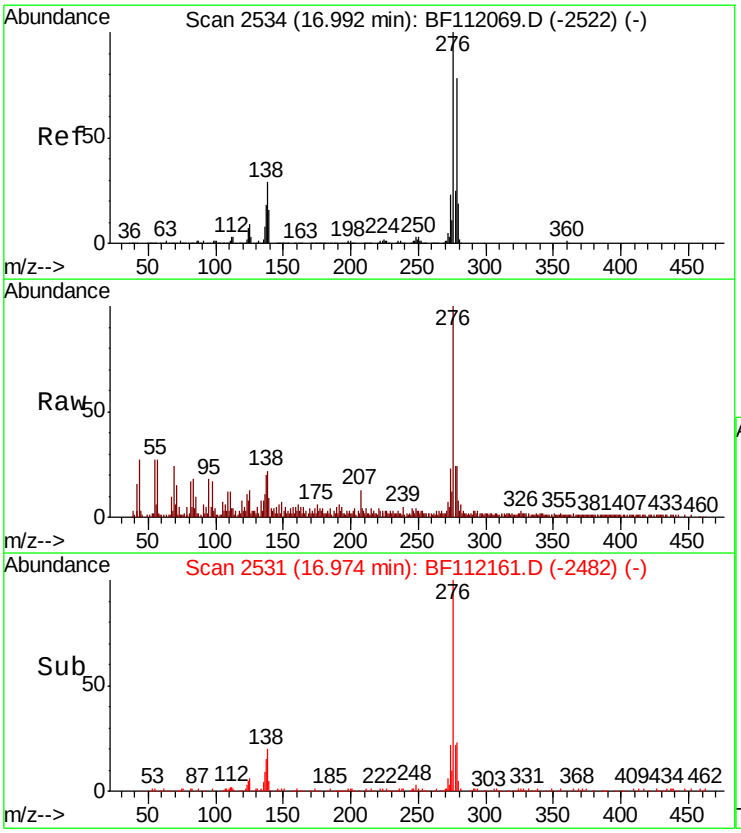
#83
Chrysene
Concen: 10.652 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:228 Resp: 295796

Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.4	16.6	24.8

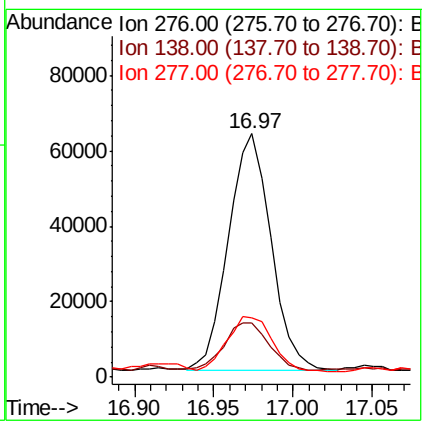


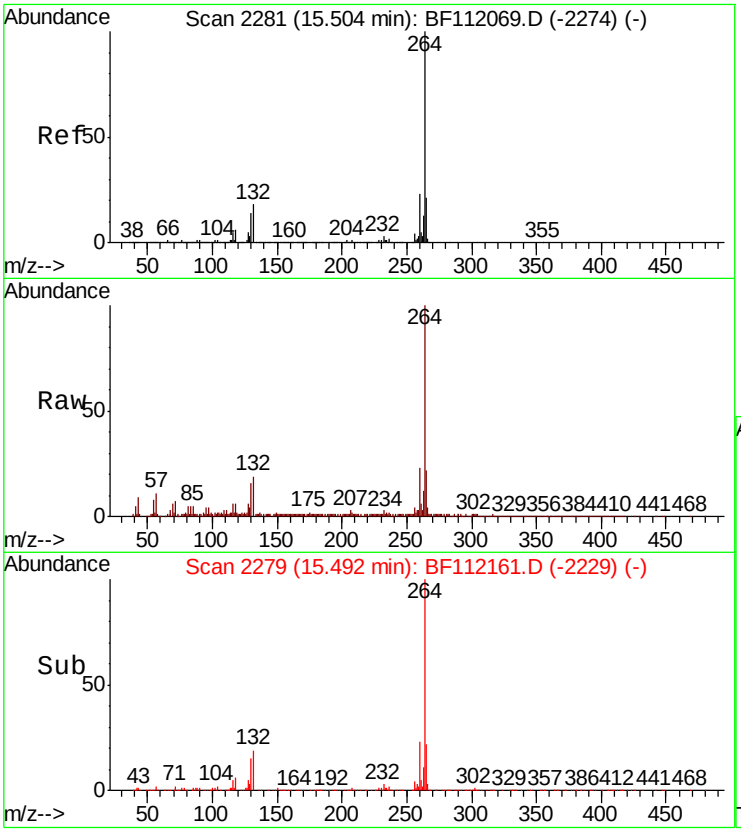


#86
Indeno(1,2,3-cd)pyrene
Concen: 4.530 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion:276 Resp: 116055

Ion	Ratio	Lower	Upper
276	100		
138	22.1	22.6	34.0#
277	24.9	20.3	30.5



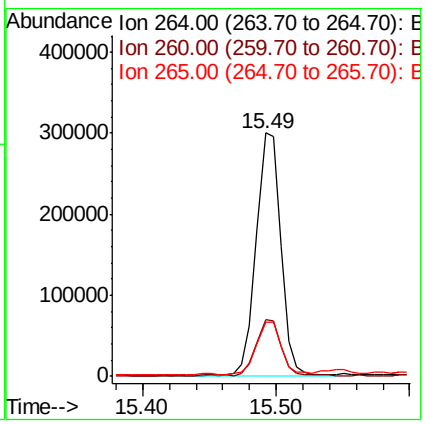


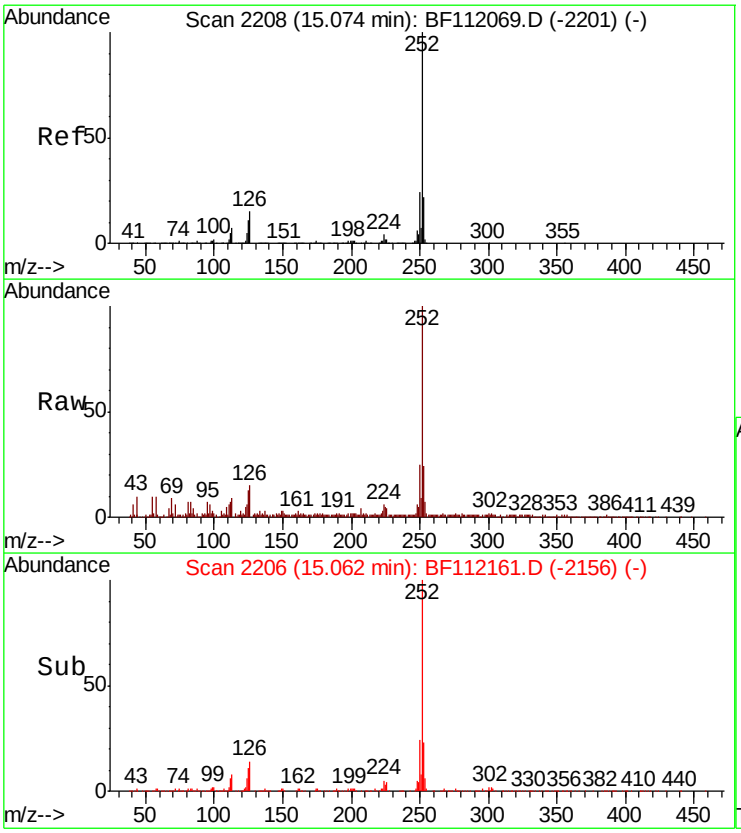
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:264 Resp: 378920

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	22.3	17.0	25.4

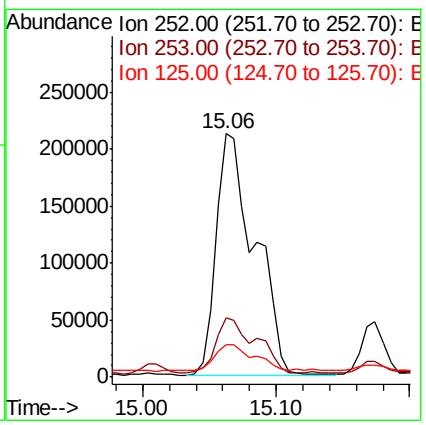


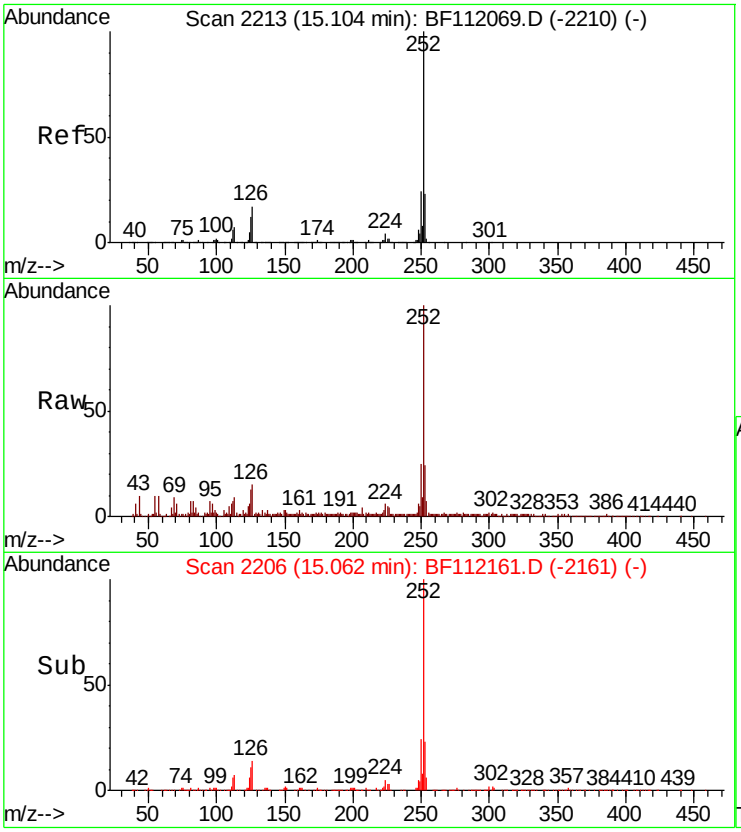


#88
Benzo(b)fluoranthene
Concen: 19.921 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion:252 Resp: 428489

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	13.5	8.7	13.1#



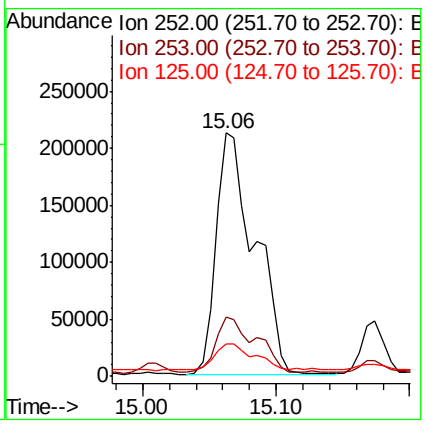


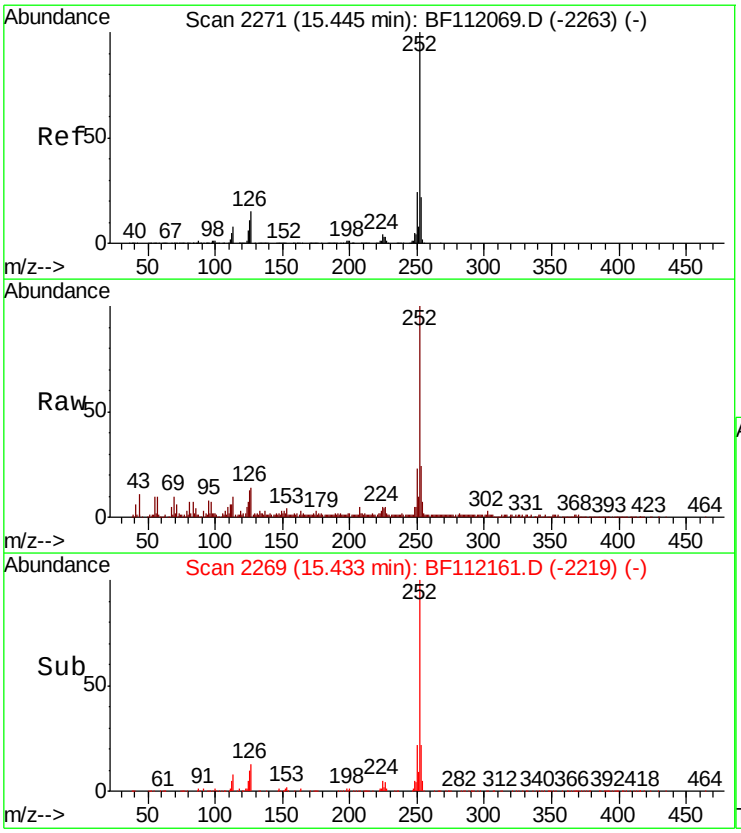
#89
Benzo(k)fluoranthene
Concen: 20.583 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.04 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:252 Resp: 428489

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	13.5	9.1	13.7

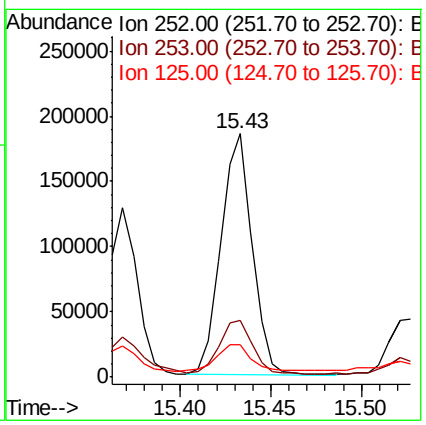


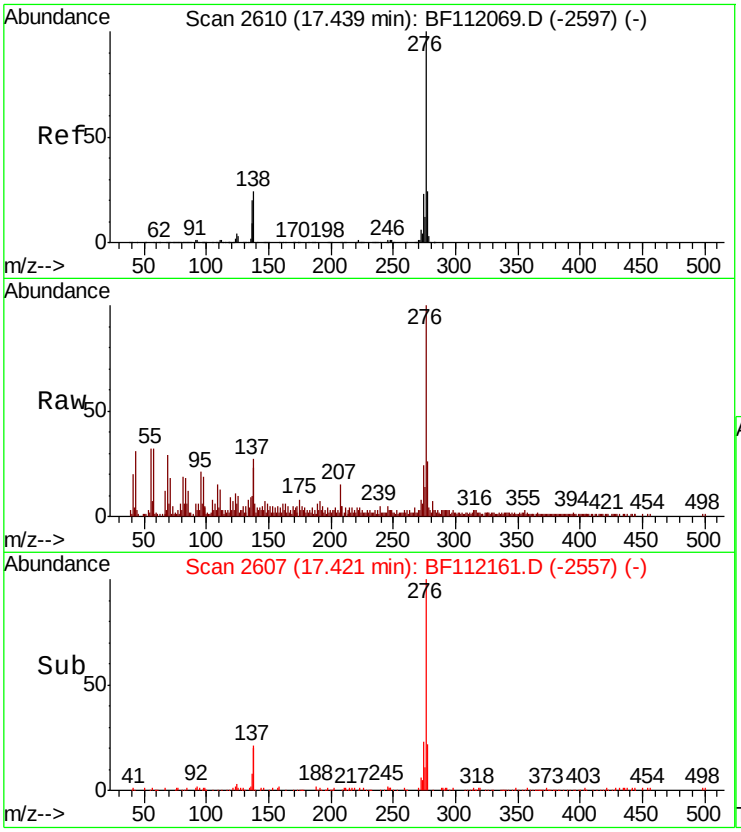


#90
Benzo(a)pyrene
Concen: 11.239 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Tgt Ion:252 Resp: 221688

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	13.2	9.0	13.4





#92
Benzo(g,h,i)perylene
Concen: 6.524 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.01 min
Lab File: BF112161.D
Acq: 21 Jan 2019 16:25

Instrument :
BNA_F
ClientSampleId :
PL-01-011819-B

Tgt Ion:276 Resp: 112599

Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.4	29.0
138	22.5	19.1	28.7