Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112154.D
Acq On : 21 Jan 2019 13:10
Operator : JU/SJ
Sample : K1011-07RE 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jan 21 13:40:33 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	298823	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	1156423	20.00	ng		0.00
39) Acenaphthene-d10	9.89	164	544488	20.00	ng		-0.01
64) Phenanthrene-d10	11.37	188	882283	20.00	ng		-0.01
76) Chrysene-d12	14.02	240	685190	20.00	ng		-0.01
87) Perylene-d12	15.49	264	678058	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	390557	23.72	ng		-0.01
7) Phenol-d6	6.49	99	504900	24.51	ng		-0.01
23) Nitrobenzene-d5	7.40	82	295418	17.65	ng		-0.02
42) 2,4,6-Tribromophenol	10.67	330	126492	21.53	ng		-0.02
45) 2-Fluorobiphenyl	9.20	172	695589	18.73	ng		-0.01
79) Terphenyl-d14	12.96	244	538816	16.73	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.49	77	1338	Below Cal		#	1
19) n-Nitroso-di-n-propylamine	7.40	70	41743	3.326	ng	#	75
25) Isophorone	7.40	82	290395	8.982	ng	#	64
32) Benzoic acid	8.13	122	385	7.229	ng	#	1
51) 2,6-Dinitrotoluene	9.89	165	72573	9.152	ng	#	34
56) 4-Nitrophenol	10.03	139	708	5.759	ng	#	1
57) 2,4-Dinitrotoluene	9.89	165	72573	11.030	ng	#	32
65) 4,6-Dinitro-2-methylphenol	10.67	198	137	10.099	ng	#	1
71) Phenanthrene	11.40	178	179516	4.043	ng		96
75) Fluoranthene	12.59	202	237521	5.067	ng		97
78) Pyrene	12.82	202	210660	4.660	ng		97
81) Benzo(a)anthracene	14.00	228	111248	2.832	ng		98
83) Chrysene	14.04	228	91646	2.465	ng		96
88) Benzo(b)fluoranthene	15.06	252	174068	4.523	ng	#	91
89) Benzo(k)fluoranthene	15.06	252	174068	4.673	ng	#	92
90) Benzo(a)pyrene	15.42	252	95278	2.699	ng	#	92

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

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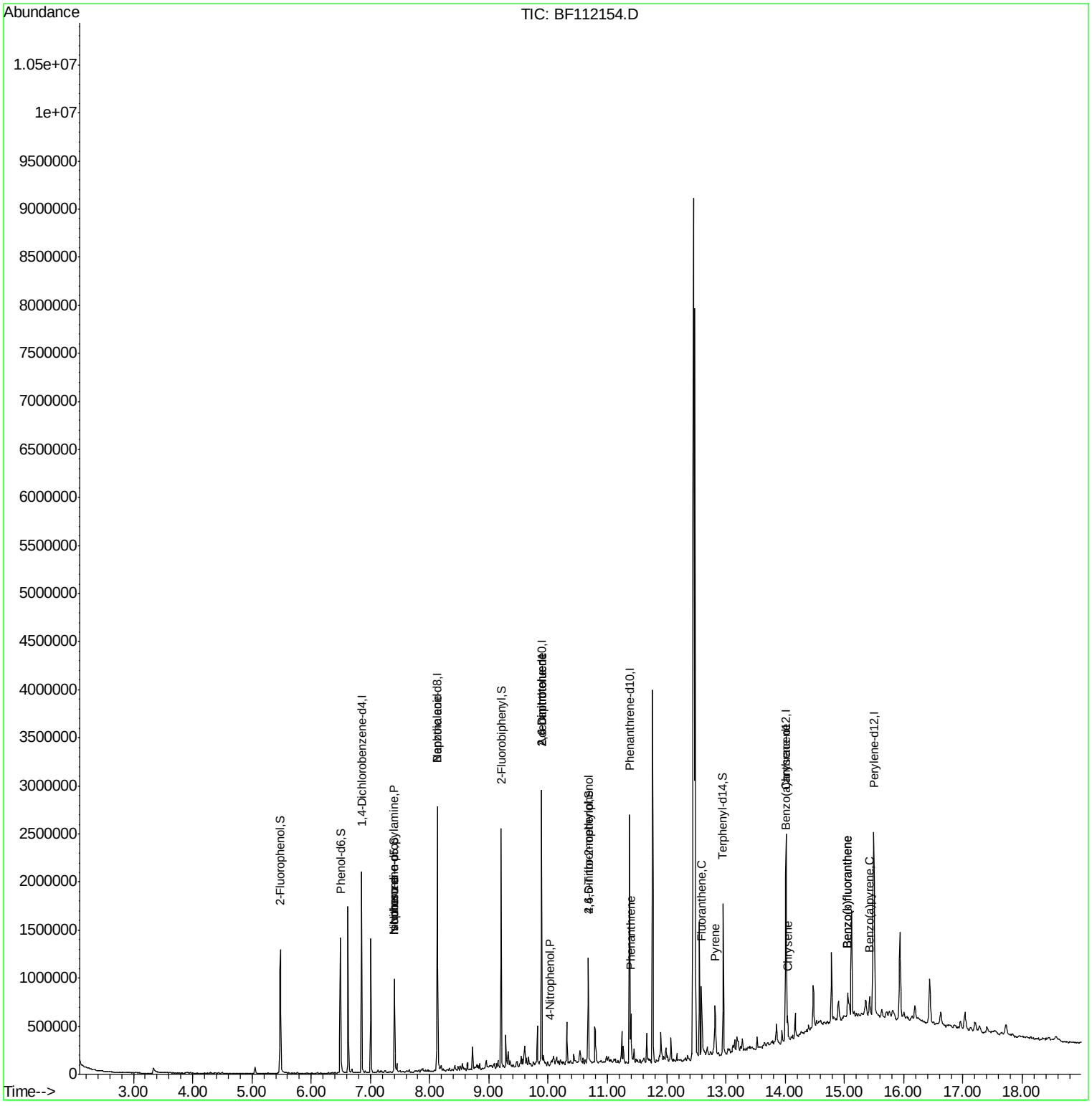
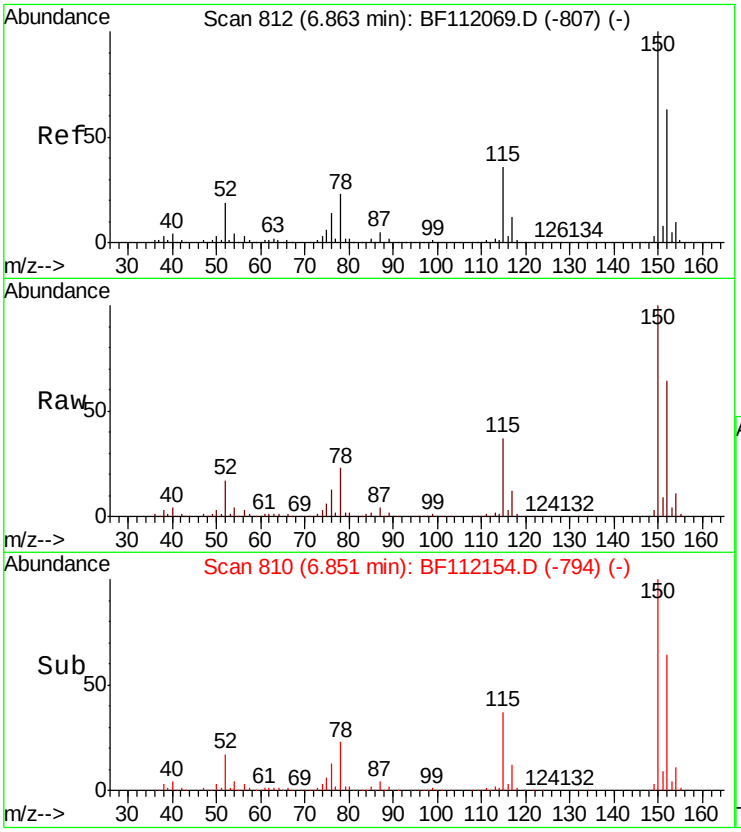


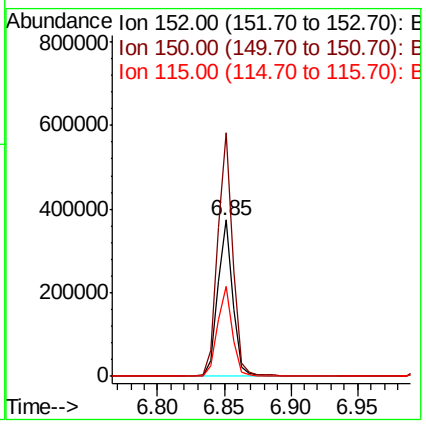


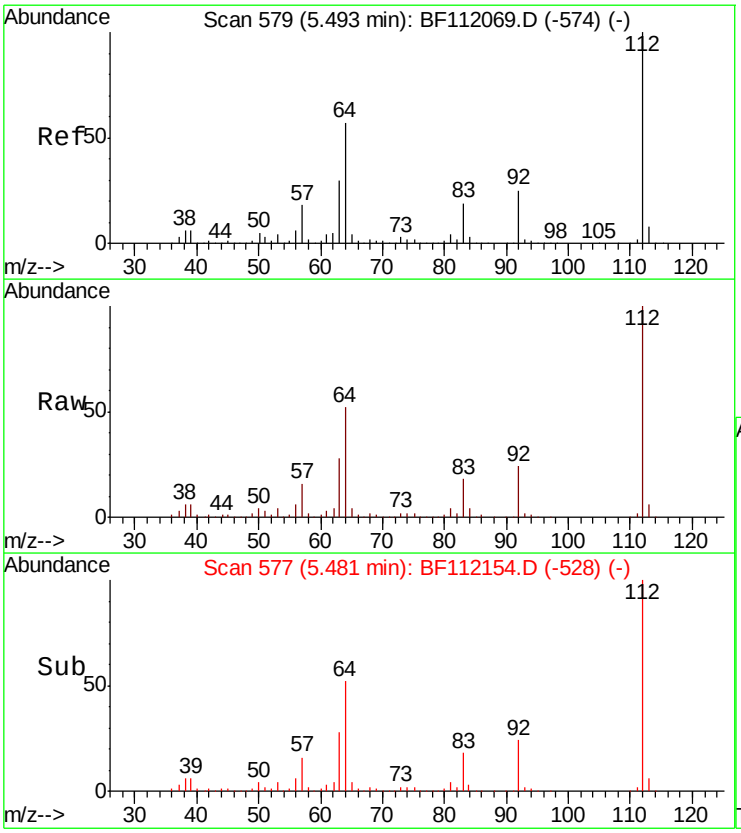
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 298823

Ion	Ratio	Lower	Upper
152	100		
150	155.8	127.4	191.0
115	57.7	45.5	68.3

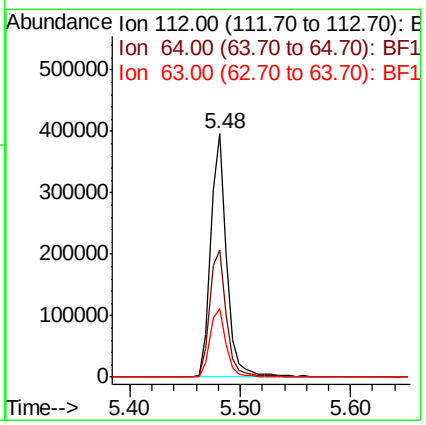


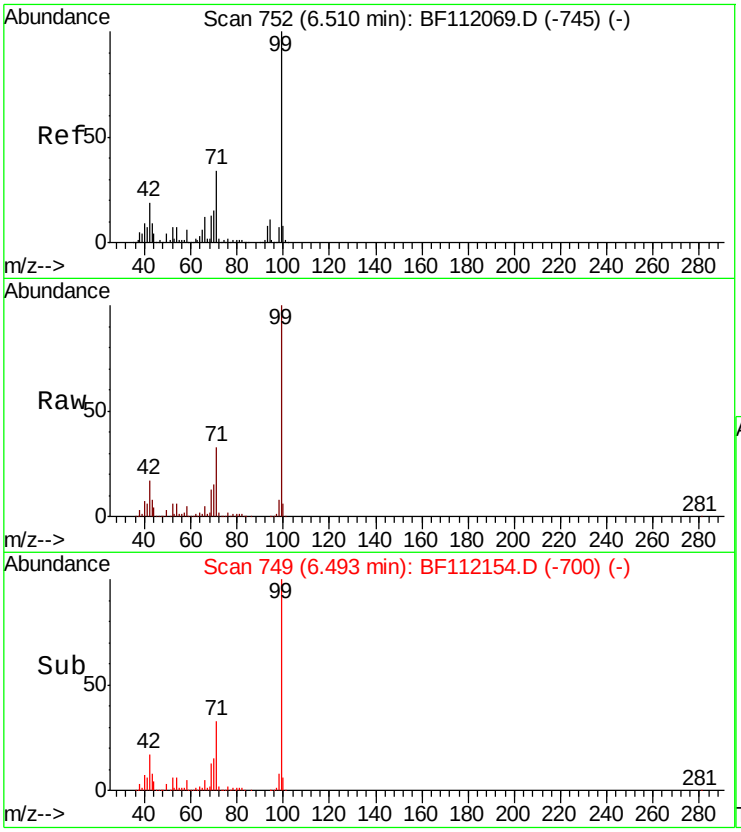


#5
2-Fluorophenol
Concen: 23.722 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion:112 Resp: 390557

Ion	Ratio	Lower	Upper
112	100		
64	52.2	45.7	68.5
63	28.1	23.6	35.4



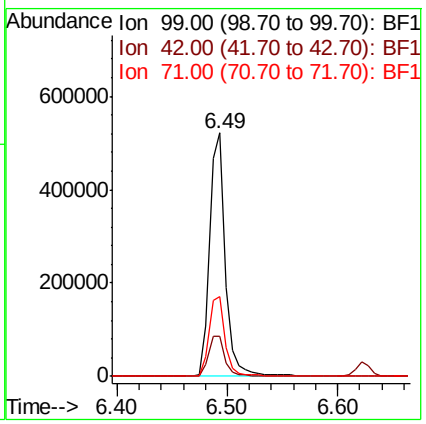


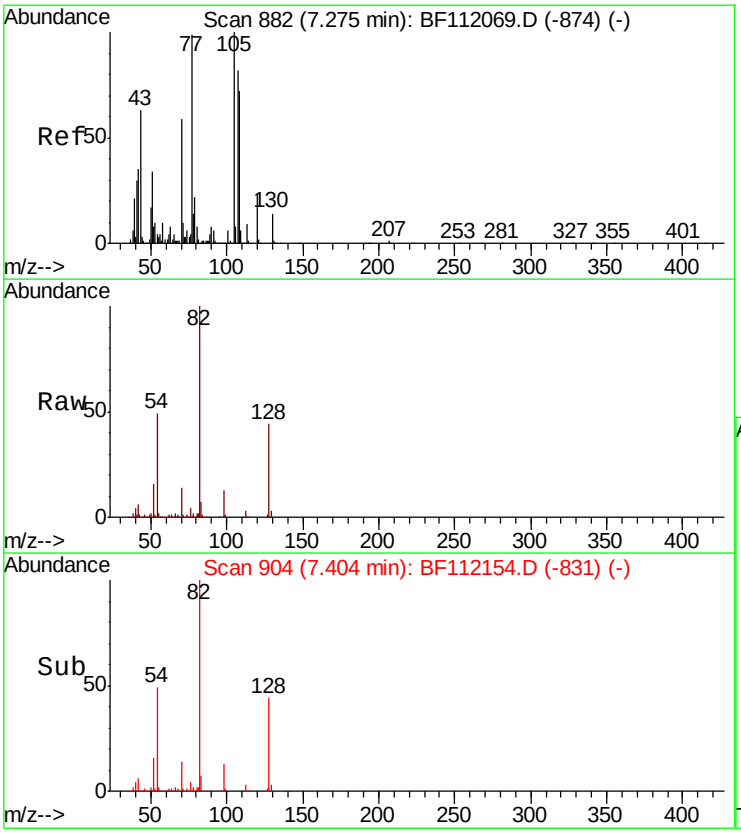
#7
Phenol-d6
Concen: 24.511 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 504900

Ion	Ratio	Lower	Upper
99	100		
42	16.7	15.1	22.7
71	32.9	26.9	40.3

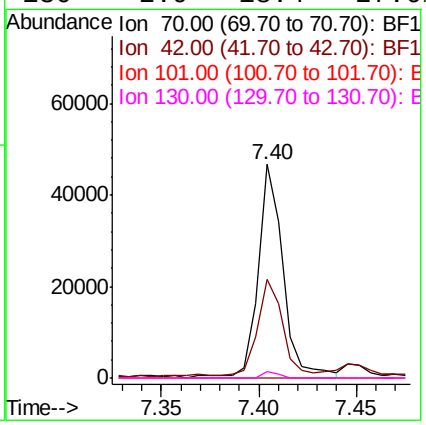


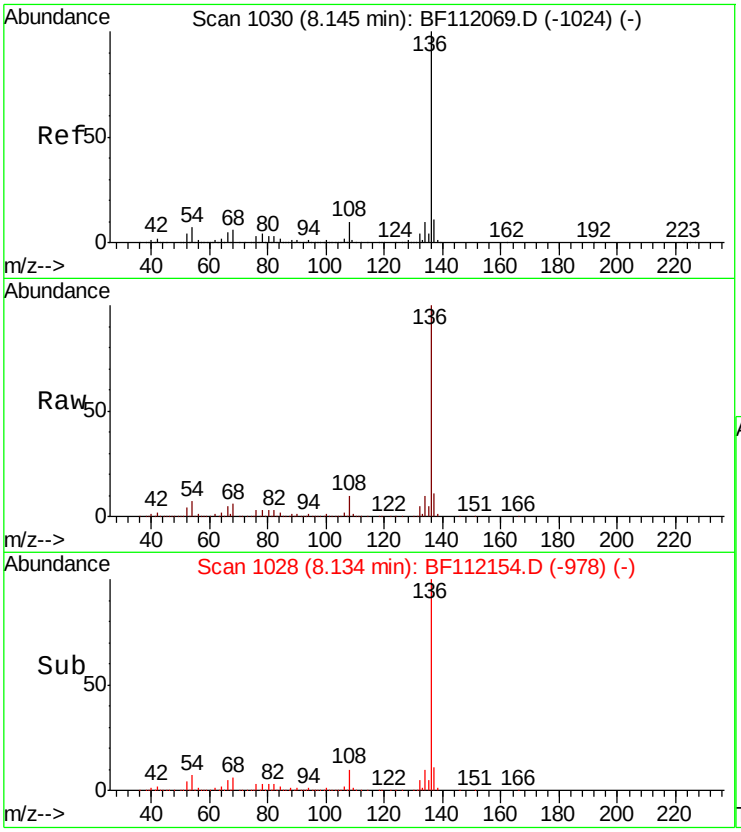


#19
n-Nitroso-di-n-propylamine
Concen: 3.326 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.13 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion: 70 Resp: 41743

Ion	Ratio	Lower	Upper
70	100		
42	46.0	47.6	71.4#
101	0.0	7.9	11.9#
130	2.9	18.4	27.6#



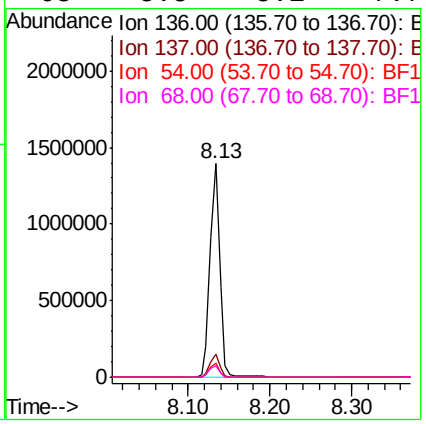


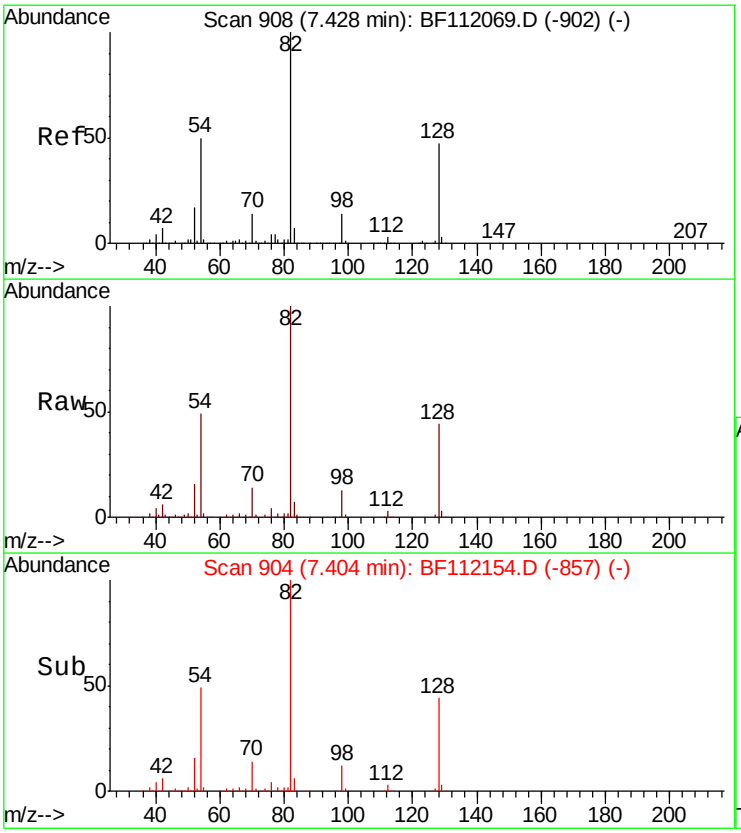
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 1156423

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.8	5.9	8.9
68	5.5	5.1	7.7

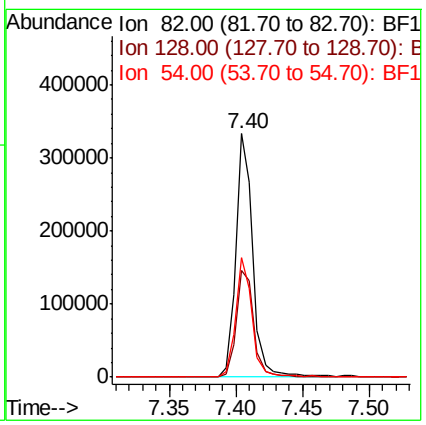


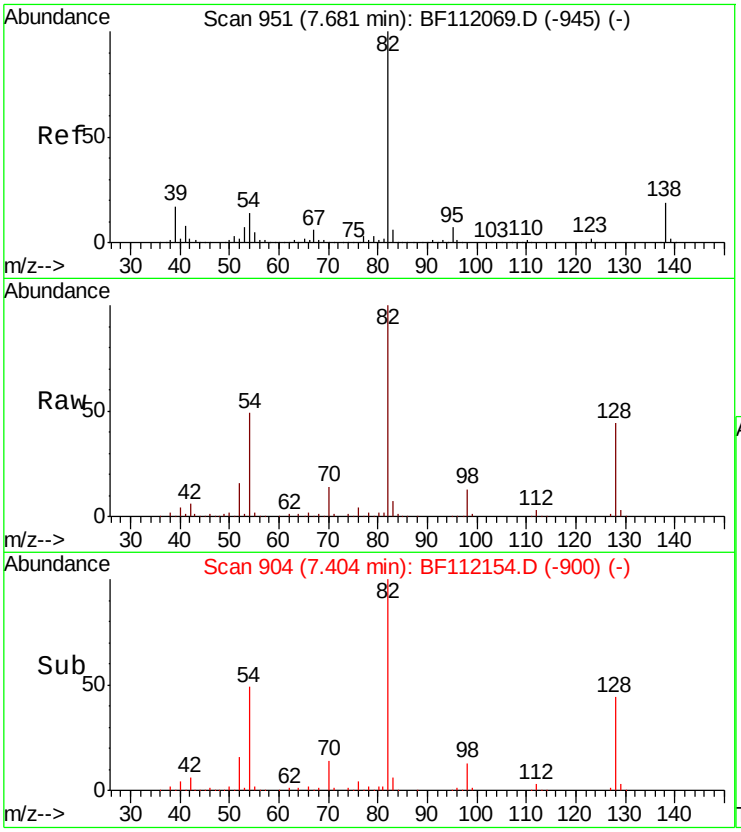


#23
Nitrobenzene-d5
Concen: 17.649 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.02 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion: 82 Resp: 295418

Ion	Ratio	Lower	Upper
82	100		
128	44.1	37.8	56.8
54	49.1	39.7	59.5



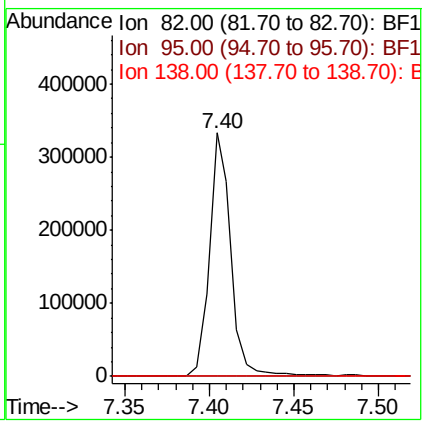


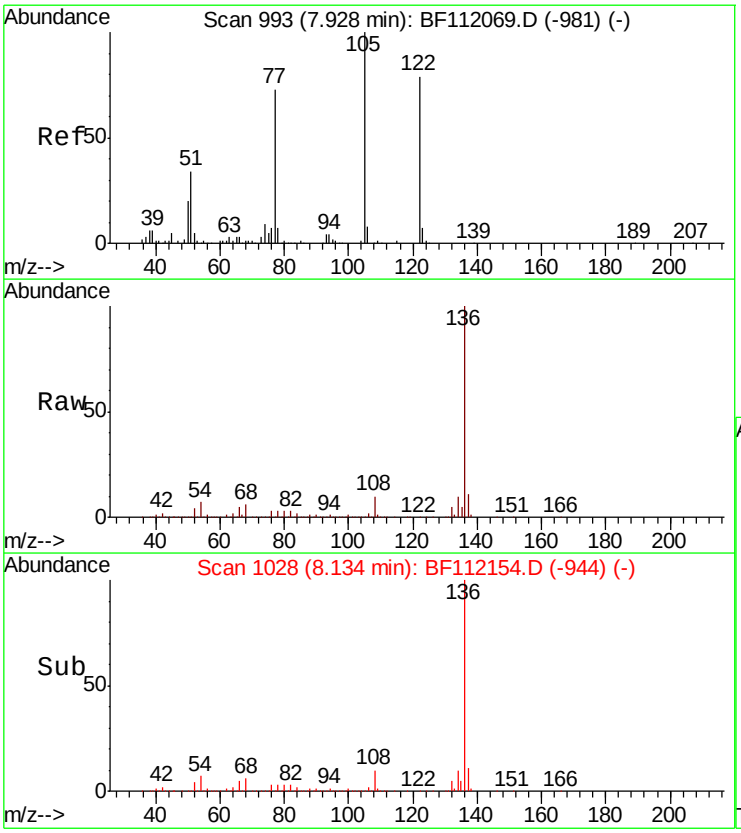
#25
Isophorone
Concen: 8.982 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.28 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 290395

Ion	Ratio	Lower	Upper
82	100		
95	0.2	5.7	8.5#
138	0.0	15.4	23.0#

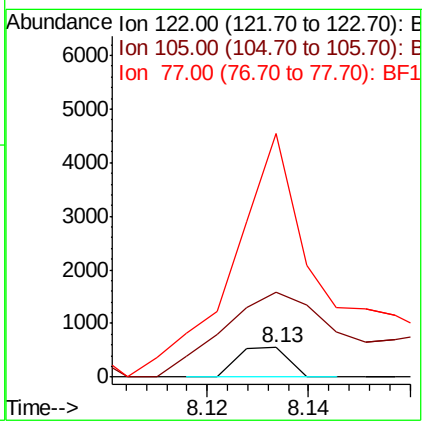


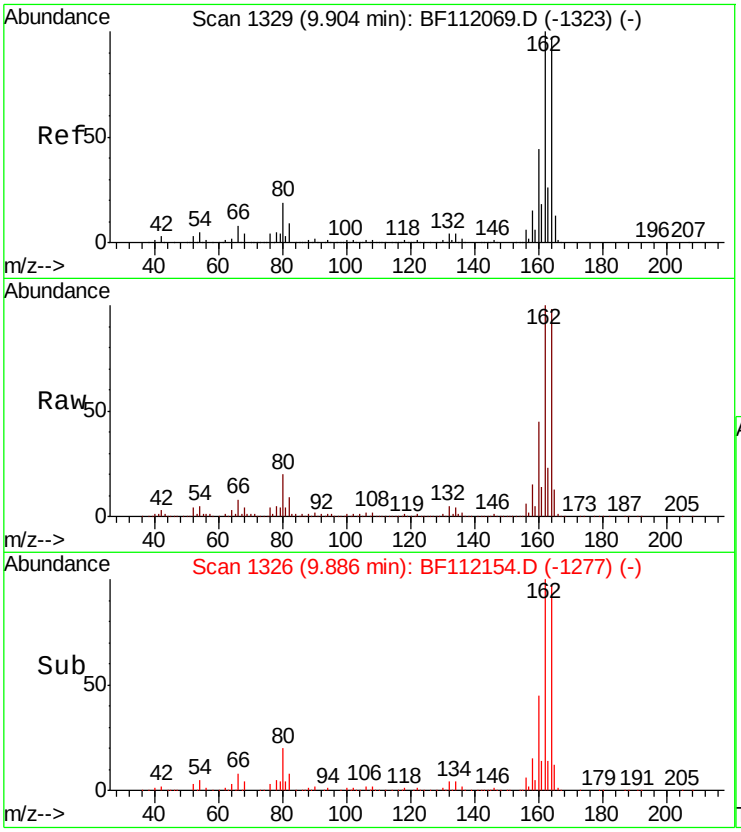


#32
Benzoic acid
Concen: 7.229 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.19 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion:122 Resp: 385

Ion	Ratio	Lower	Upper
122	100		
105	287.8	101.2	141.2#
77	826.0	70.4	110.4#



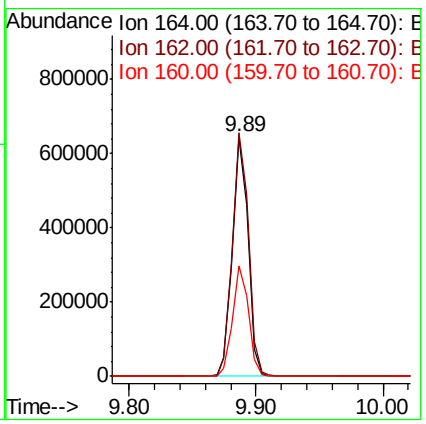


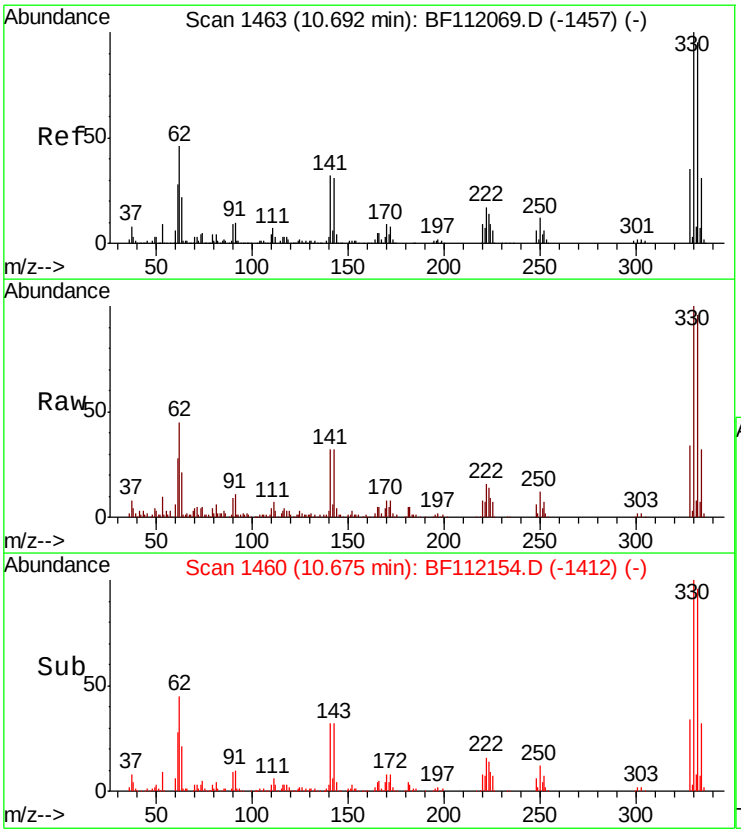
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 544488

Ion	Ratio	Lower	Upper
164	100		
162	102.1	82.2	123.4
160	46.3	36.2	54.4

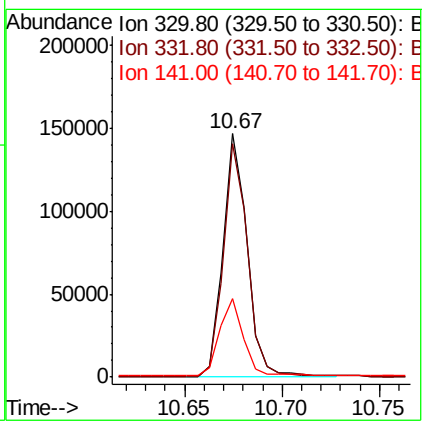


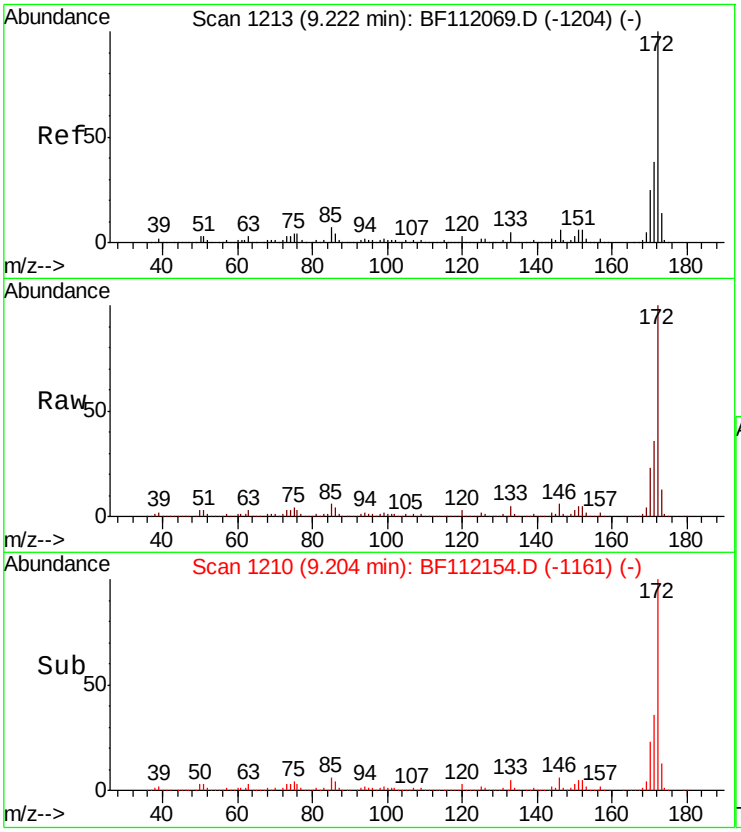


#42
2,4,6-Tribromophenol
Concen: 21.535 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.02 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion:330 Resp: 126492

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.6	114.8
141	32.3	24.3	36.5

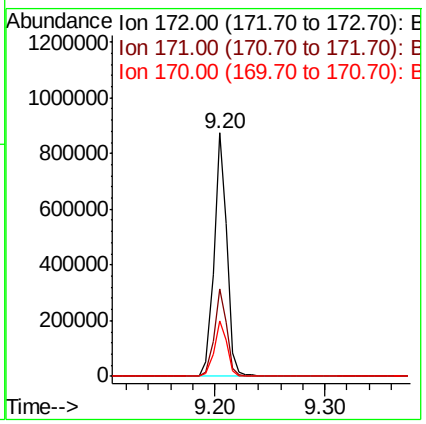




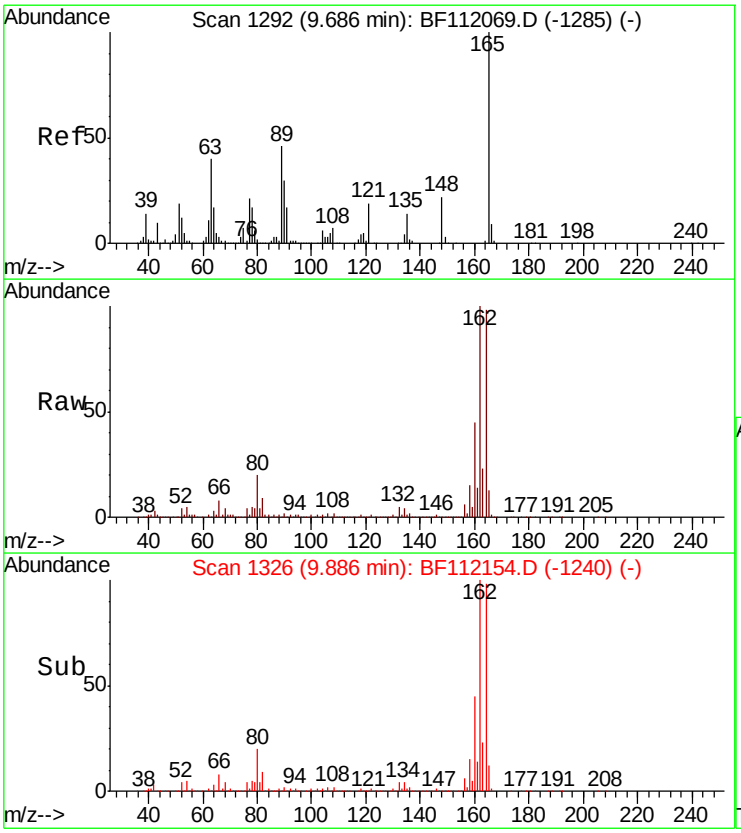
#45
2-Fluorobiphenyl
Concen: 18.730 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion:172 Resp: 695589

Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.5	45.7
170	22.9	20.2	30.4



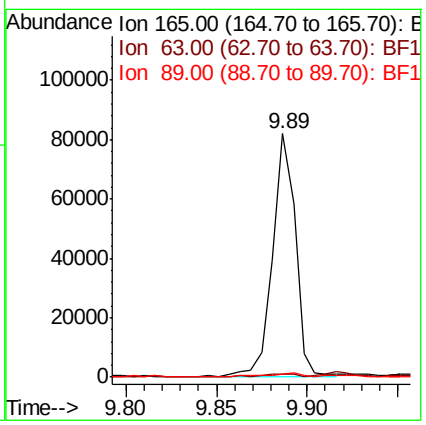
Instrument :
BNA_F
ClientSampleId :

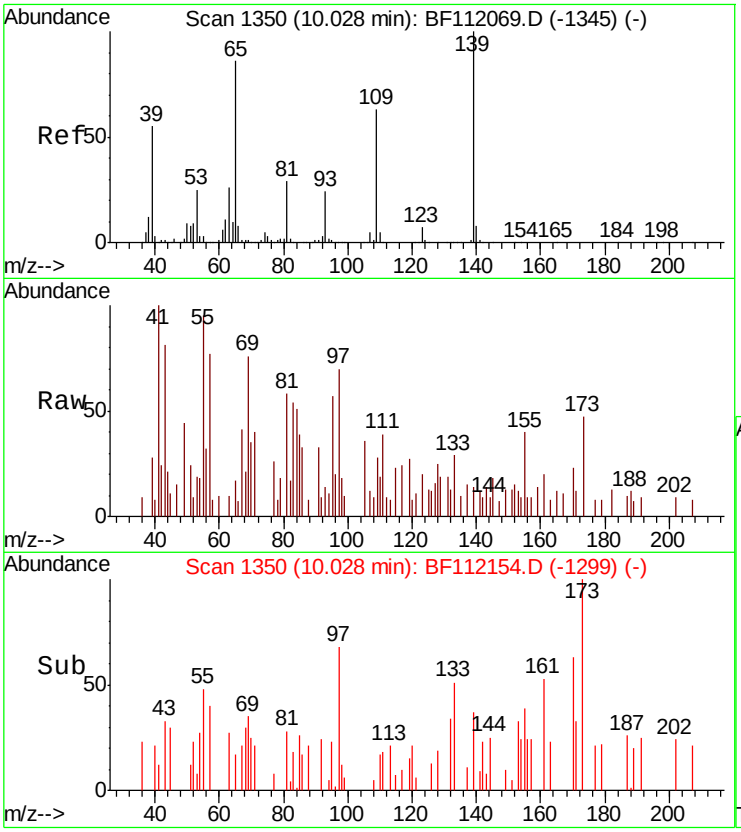


#51
2,6-Dinitrotoluene
Concen: 9.152 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.21 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion:165 Resp: 72573

Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.8	50.8#
89	1.3	36.9	55.3#



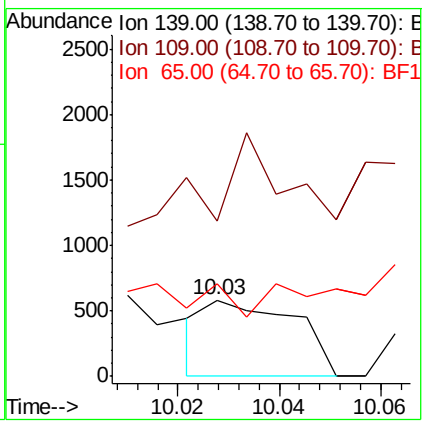


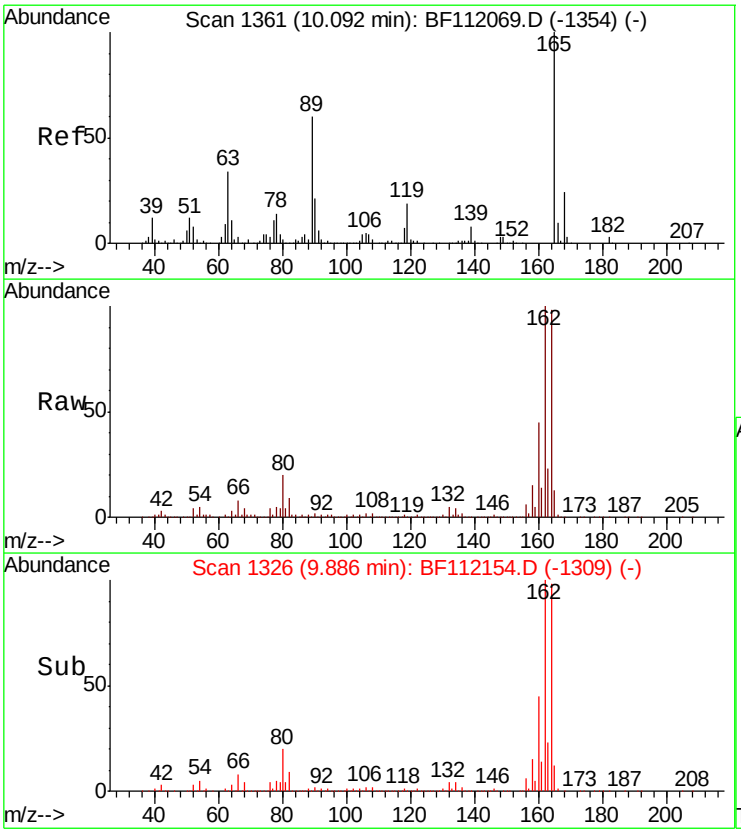
#56
4-Nitrophenol
Concen: 5.759 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.00 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 708

Ion	Ratio	Lower	Upper
139	100		
109	204.3	42.8	82.8#
65	121.3	66.1	106.1#

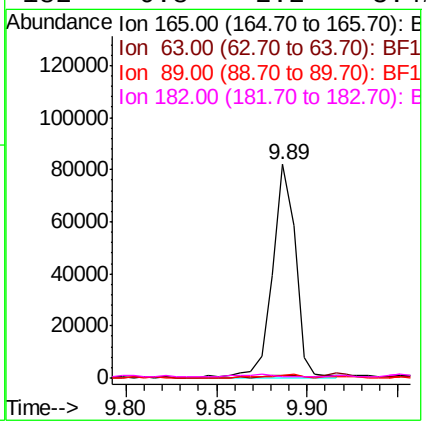


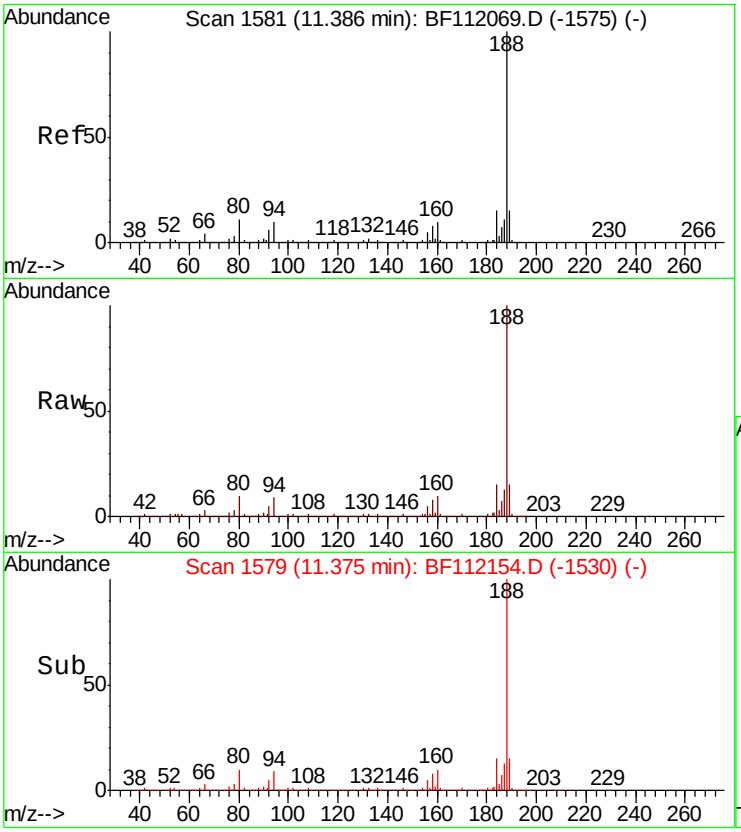


#57
2,4-Dinitrotoluene
Concen: 11.030 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion:165 Resp: 72573

Ion	Ratio	Lower	Upper
165	100		
63	1.3	27.9	41.9#
89	1.3	47.9	71.9#
182	0.8	2.2	3.4#



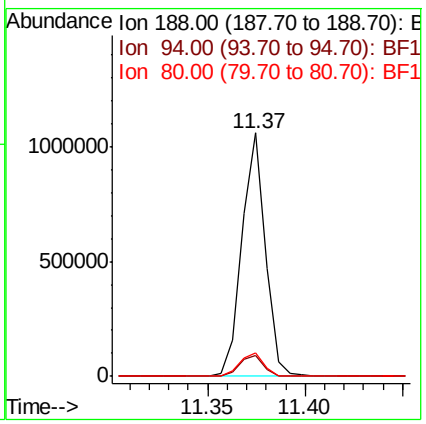


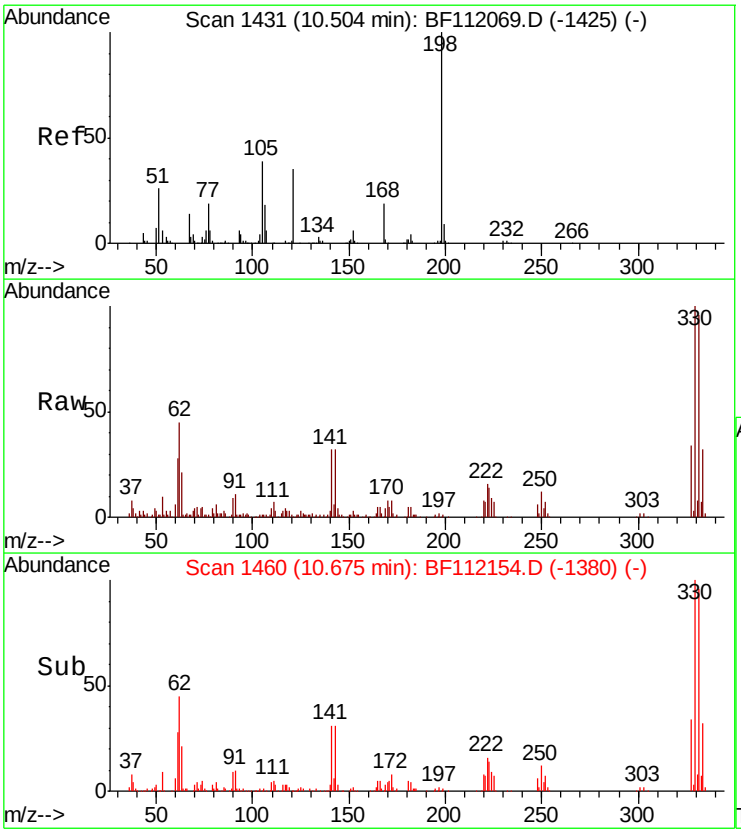
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 882283

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	9.6	8.9	13.3

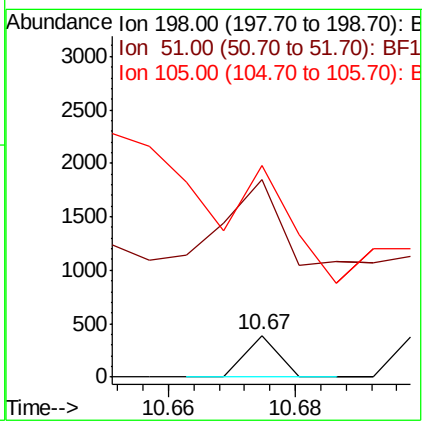


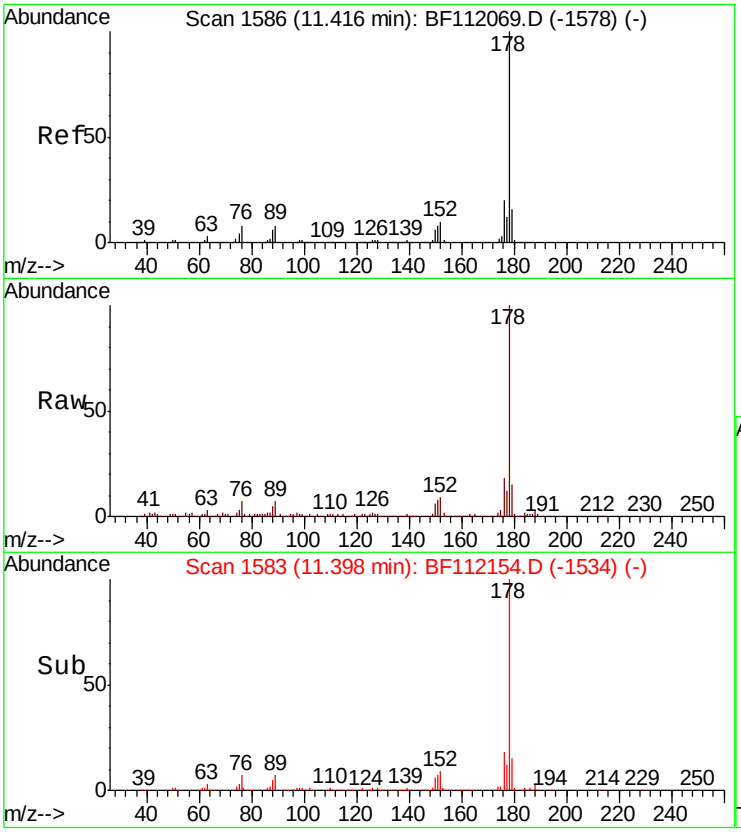


#65
4,6-Dinitro-2-methylphenol
Concen: 10.099 ng
RT: 10.67 min Scan# 1460
Delta R.T. 0.17 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion:198 Resp: 137

Ion	Ratio	Lower	Upper
198	100		
51	475.8	17.2	57.2#
105	508.2	21.9	61.9#



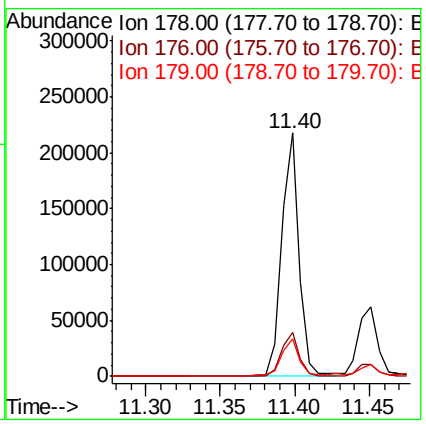


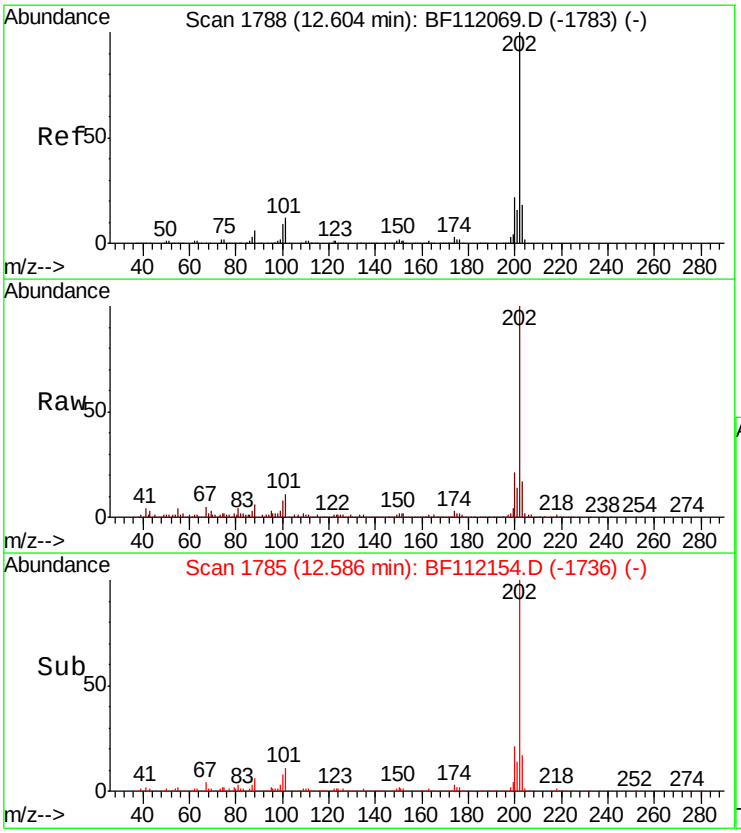
#71
Phenanthrene
Concen: 4.043 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 179516

Ion	Ratio	Lower	Upper
178	100		
176	18.1	16.3	24.5
179	15.3	13.0	19.4

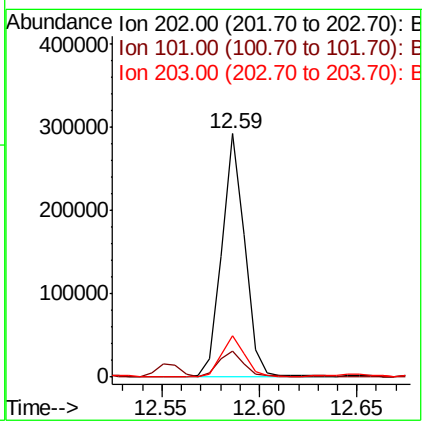


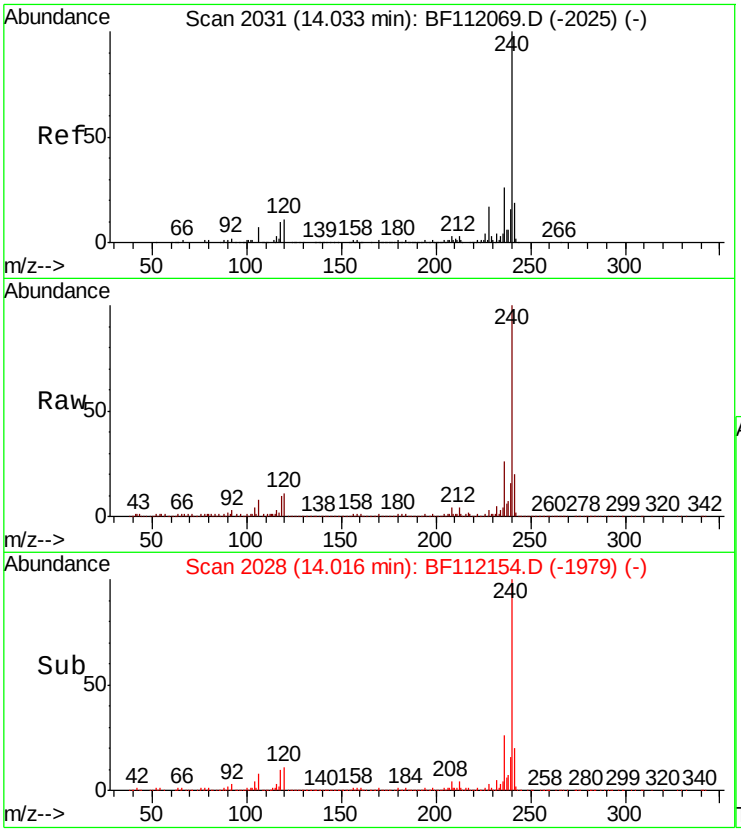


#75
Fluoranthene
Concen: 5.067 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion:202 Resp: 237521

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.8
203	17.2	0.0	38.4



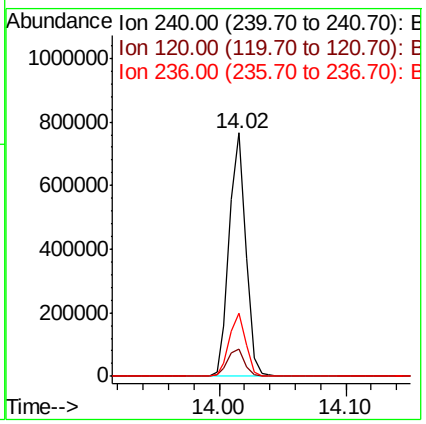


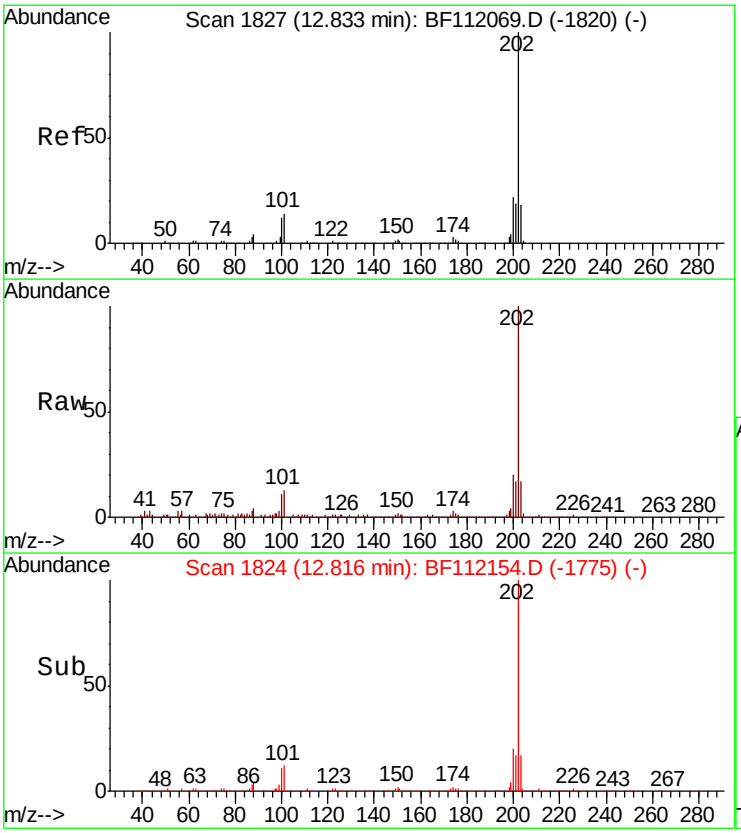
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 685190

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.0	13.6
236	26.0	20.7	31.1

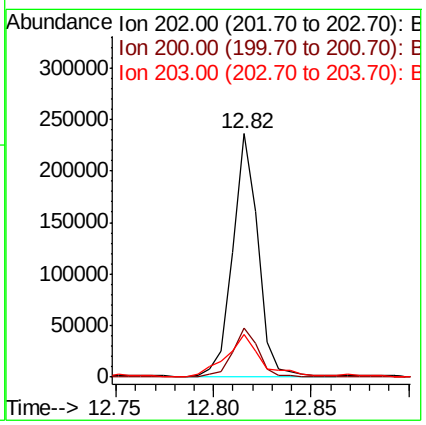


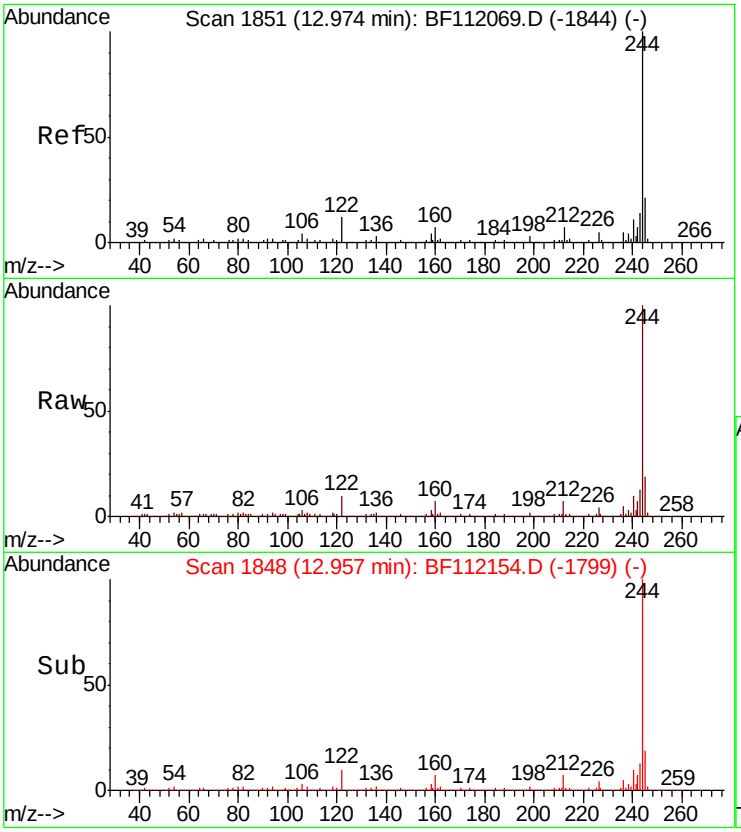


#78
Pyrene
Concen: 4.660 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion:202 Resp: 210660

Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.7	26.5
203	17.5	14.6	22.0



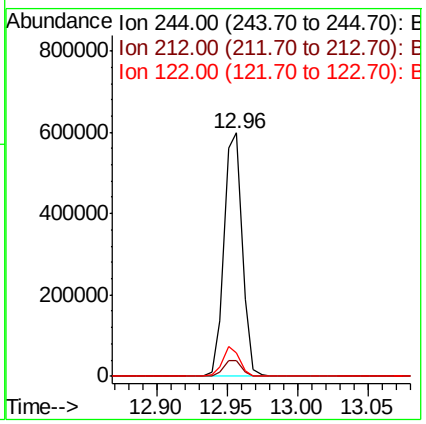


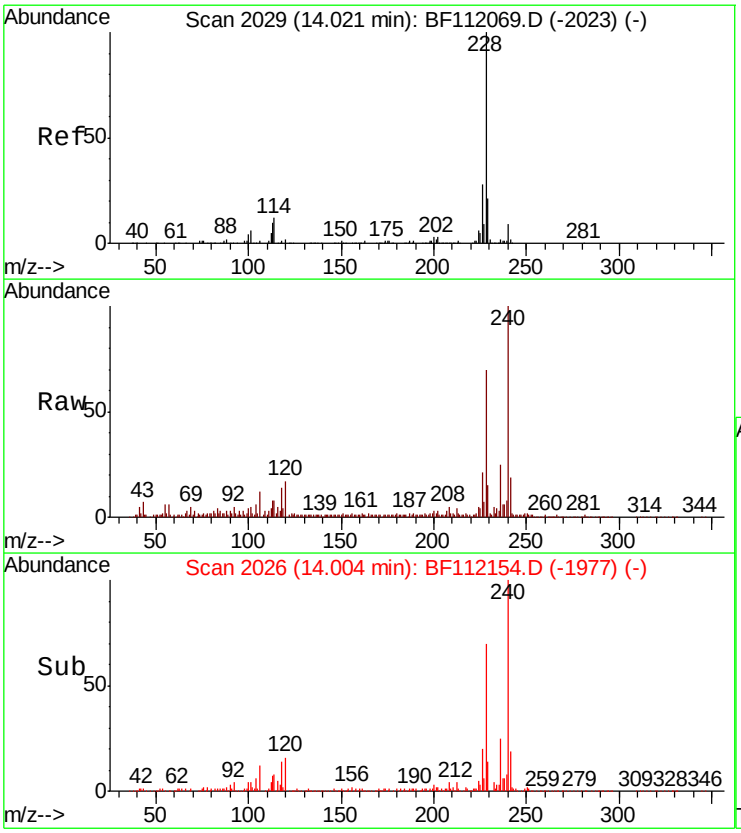
#79
Terphenyl-d14
Concen: 16.729 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 538816

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.9	8.9
122	9.7	9.8	14.6#

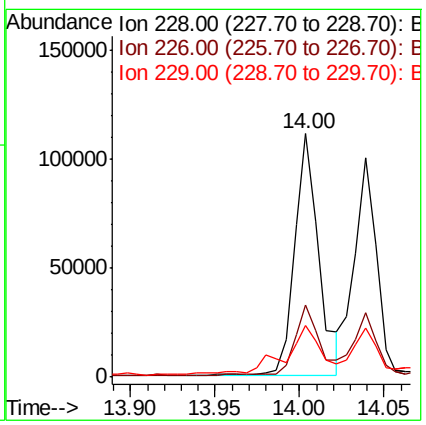


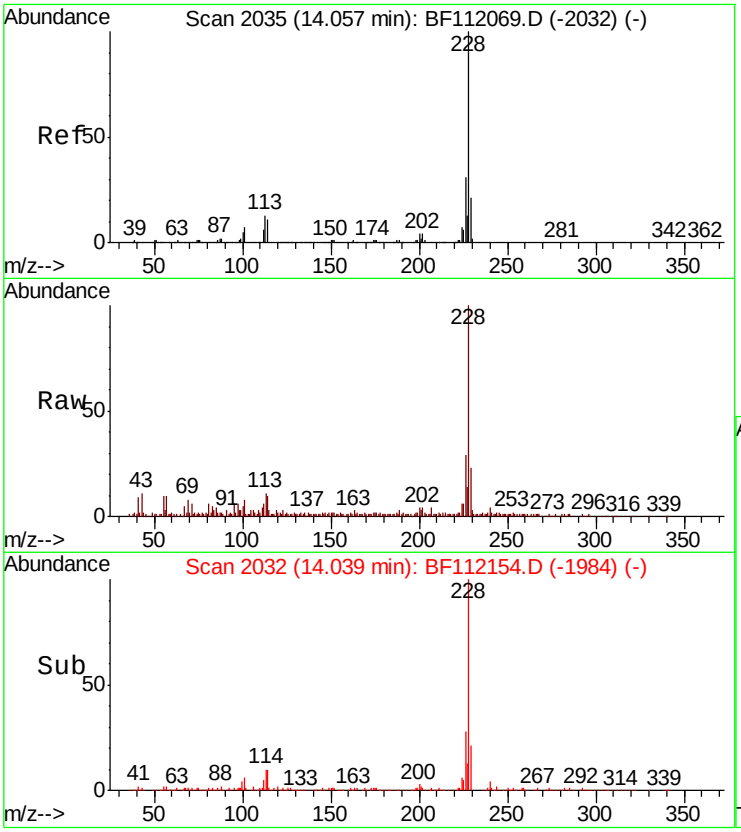


#81
Benzo(a)anthracene
Concen: 2.832 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion:228 Resp: 111248

Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	34.0
229	21.3	16.5	24.7



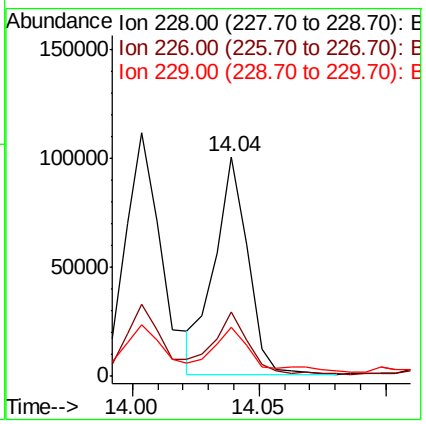


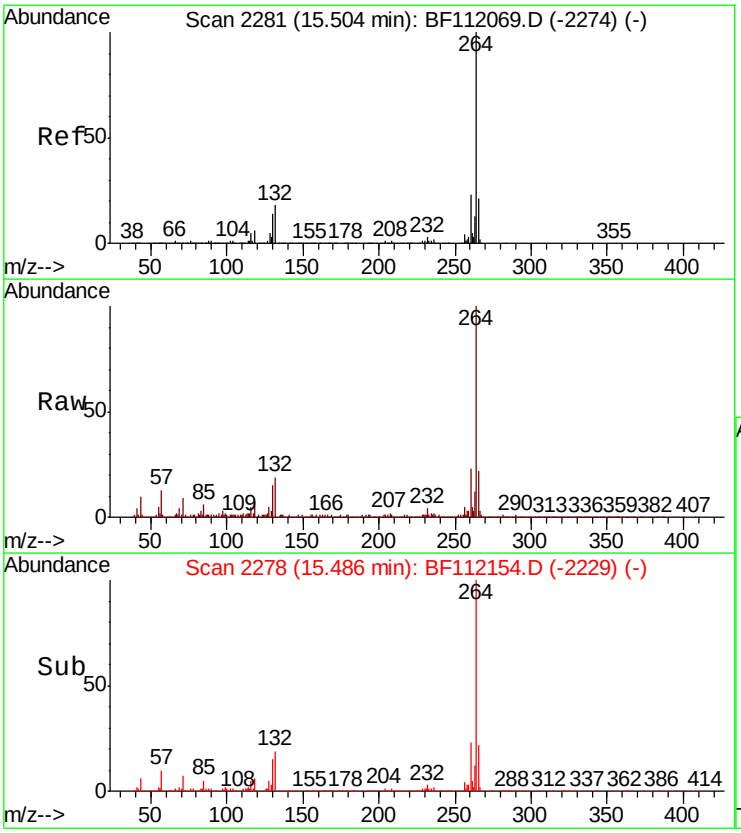
#83
Chrysene
Concen: 2.465 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 91646

Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	22.5	16.6	24.8

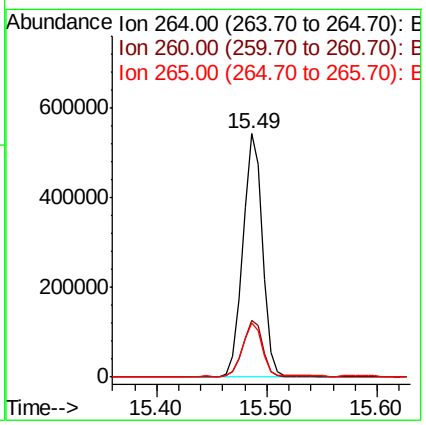


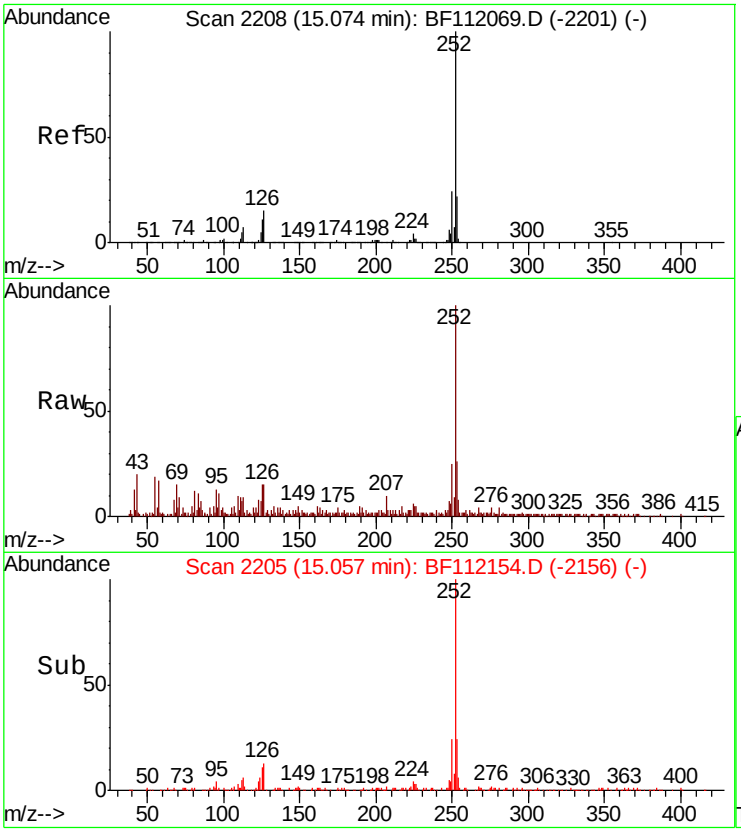


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion:264 Resp: 678058

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	22.1	17.0	25.4



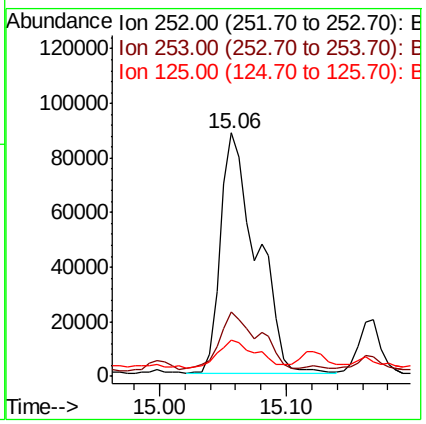


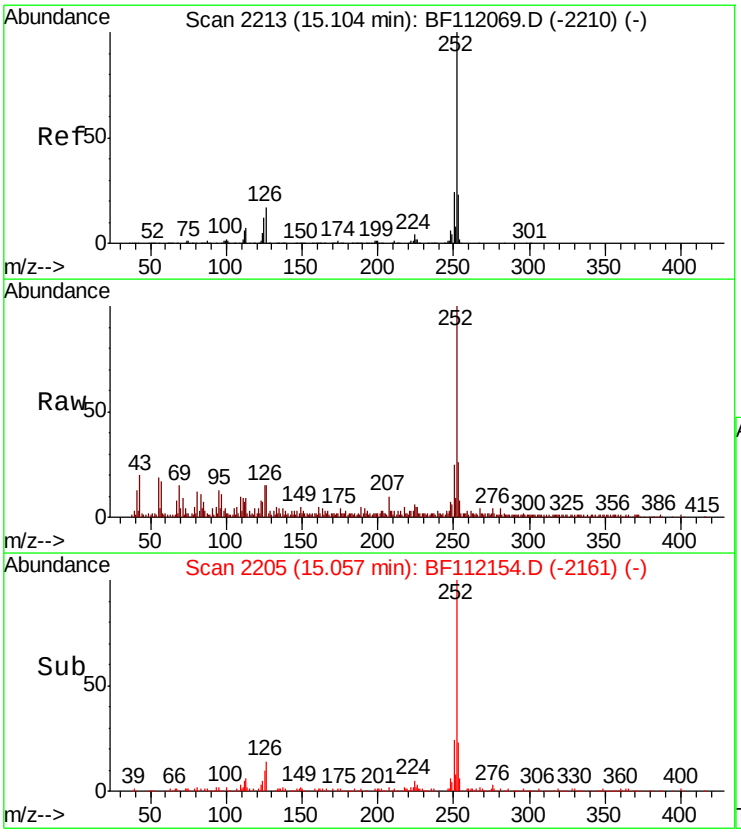
#88
Benzo(b)fluoranthene
Concen: 4.523 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 174068

Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.0	27.0
125	14.8	8.7	13.1#

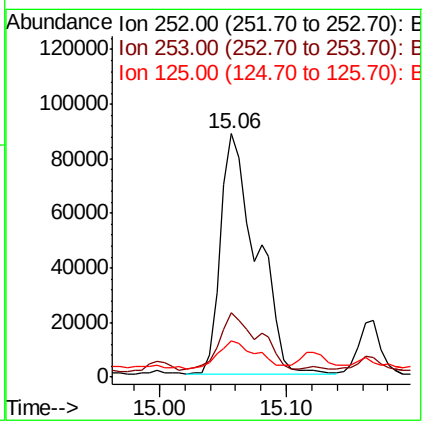


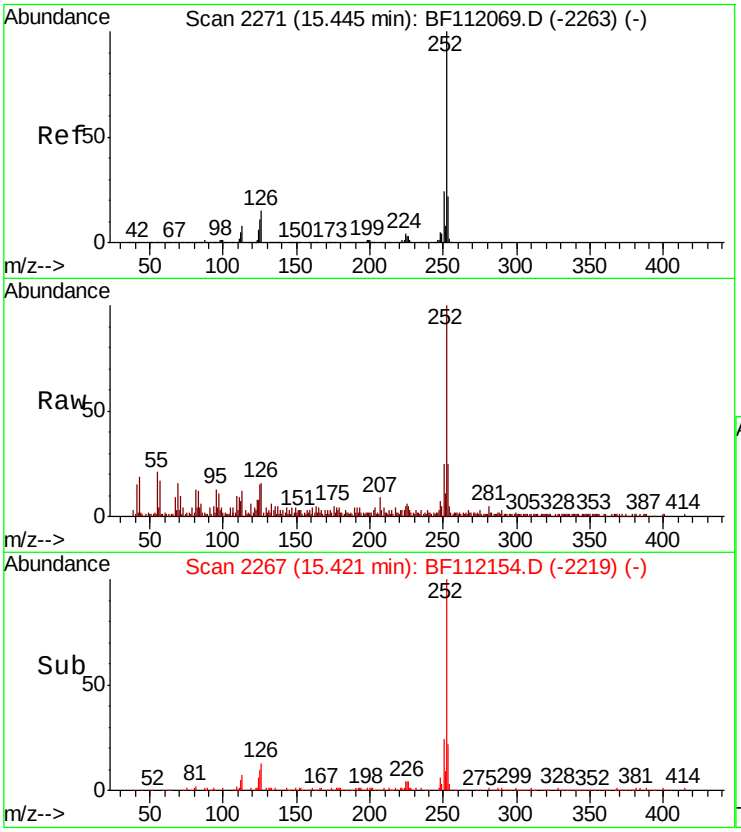


#89
Benzo(k)fluoranthene
Concen: 4.673 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.04 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Tgt Ion:252 Resp: 174068

Ion	Ratio	Lower	Upper
252	100		
253	26.3	18.0	27.0
125	14.8	9.1	13.7#





#90
Benzo(a)pyrene
Concen: 2.699 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF112154.D
Acq: 21 Jan 2019 13:10

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 95278

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.5	26.3
125	14.8	9.0	13.4#