Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114550.D
Acq On : 24 May 2019 3:19
Operator : JU/SJ
Sample : K2951-09DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: May 24 07:22:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 23 03:49:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	127830	20.00	ng		-0.03
21) Naphthalene-d8	8.09	136	521627	20.00	ng		-0.03
39) Acenaphthene-d10	9.85	164	273019	20.00	ng		-0.03
64) Phenanthrene-d10	11.33	188	580200	20.00	ng		-0.02
76) Chrysene-d12	13.98	240	369928	20.00	ng		-0.02
87) Perylene-d12	15.44	264	389535	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	39108	4.92	ng		-0.02
7) Phenol-d6	6.47	99	56100	5.97	ng		-0.02
23) Nitrobenzene-d5	7.38	82	31279	3.37	ng		-0.02
42) 2,4,6-Tribromophenol	10.64	330	15011	5.32	ng		-0.02
45) 2-Fluorobiphenyl	9.17	172	59612	3.30	ng		-0.02
79) Terphenyl-d14	12.92	244	70248	3.91	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.12	128	184171	7.559	ng		96
32) Benzoic acid	7.91	122	572	7.116	ng	#	67
33) 4-Chloroaniline	8.12	127	23526	2.119	ng	#	33
37) 2-Methylnaphthalene	8.81	142	31897	2.029	ng	#	90
51) 2,6-Dinitrotoluene	9.85	165	35301	7.941	ng	#	24
52) Acenaphthene	9.88	154	65018	3.925	ng		98
55) Dibenzofuran	10.06	168	82279	3.387	ng		93
56) 4-Nitrophenol	10.05	139	29408	7.536	ng	#	9
57) 2,4-Dinitrotoluene	9.85	165	35301	5.851	ng	#	27
58) Fluorene	10.40	166	72926	3.886	ng		99
71) Phenanthrene	11.36	178	733685	25.992	ng		96
72) Anthracene	11.41	178	111880	3.946	ng		97
73) Carbazole	11.57	167	80352	2.972	ng		97
75) Fluoranthene	12.55	202	946677	31.143	ng		98
78) Pyrene	12.78	202	820271	27.564	ng		98
81) Benzo(a)anthracene	13.97	228	348801	14.578	ng		99
83) Chrysene	14.00	228	294792	12.568	ng		98
86) Indeno(1,2,3-cd)pyrene	16.91	276	157896	7.617	ng		95
88) Benzo(b)fluoranthene	15.02	252	500554	20.058	ng		98
89) Benzo(k)fluoranthene	15.02	252	500554	21.835	ng		99
90) Benzo(a)pyrene	15.38	252	291348	13.265	ng		100
91) Dibenzo(a,h)anthracene	16.91	278	37243	2.041	ng	#	94
92) Benzo(g,h,i)perylene	17.36	276	149775	8.189	ng		97

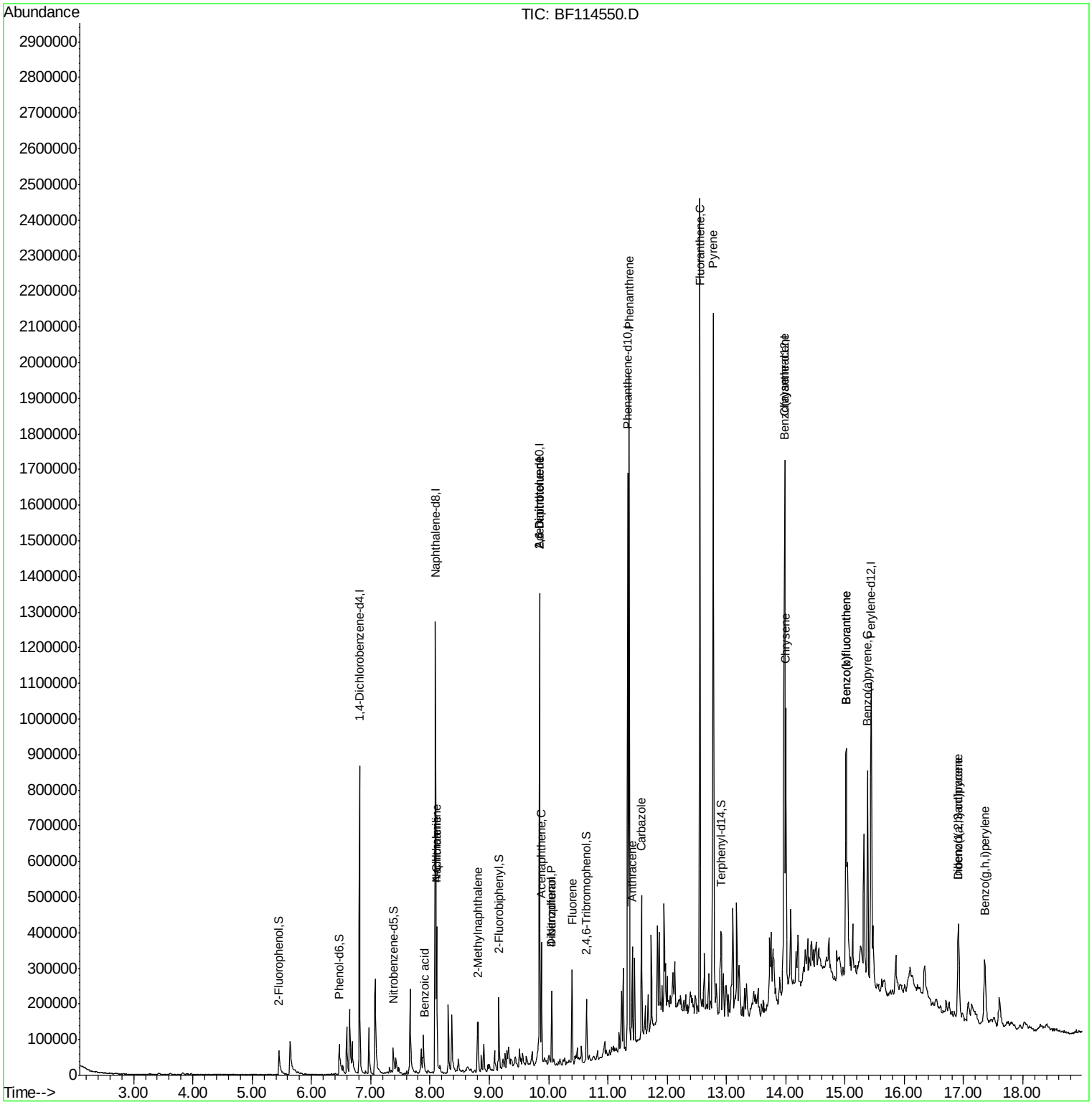
(#) = qualifier out of range (m) = manual integration (+) = signals summed

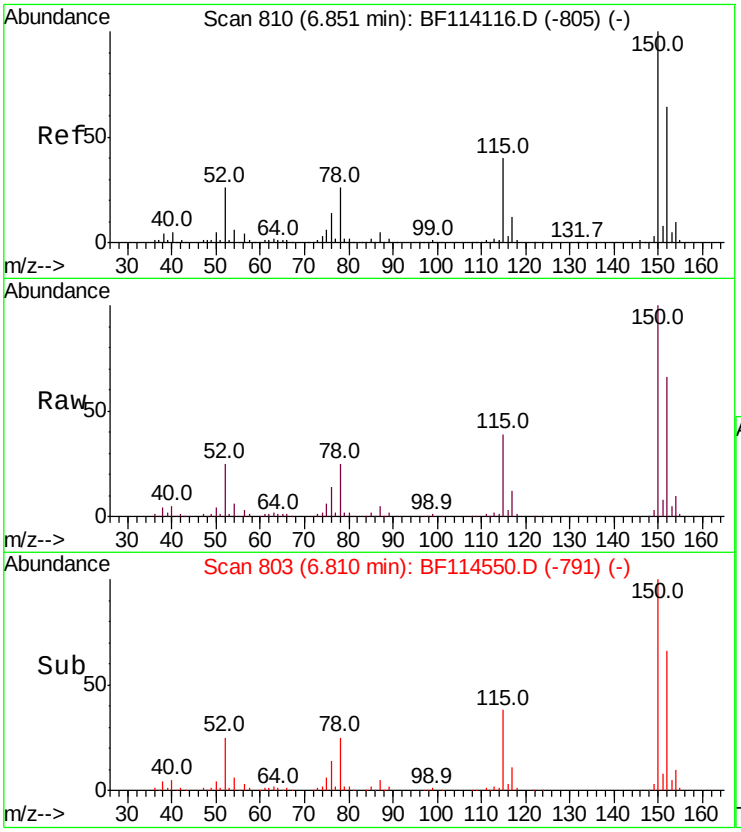
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052319\
Data File : BF114550.D
Acq On : 24 May 2019 3:19
Operator : JU/SJ
Sample : K2951-09DL 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 24 07:22:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 23 03:49:15 2019
Response via : Initial Calibration



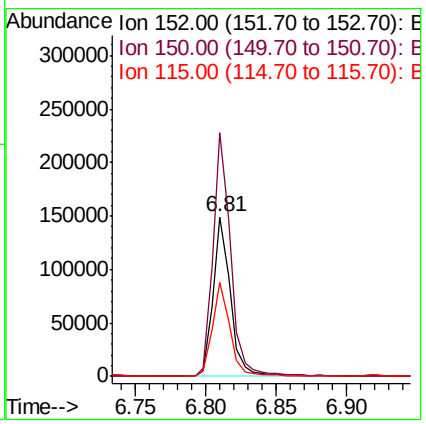


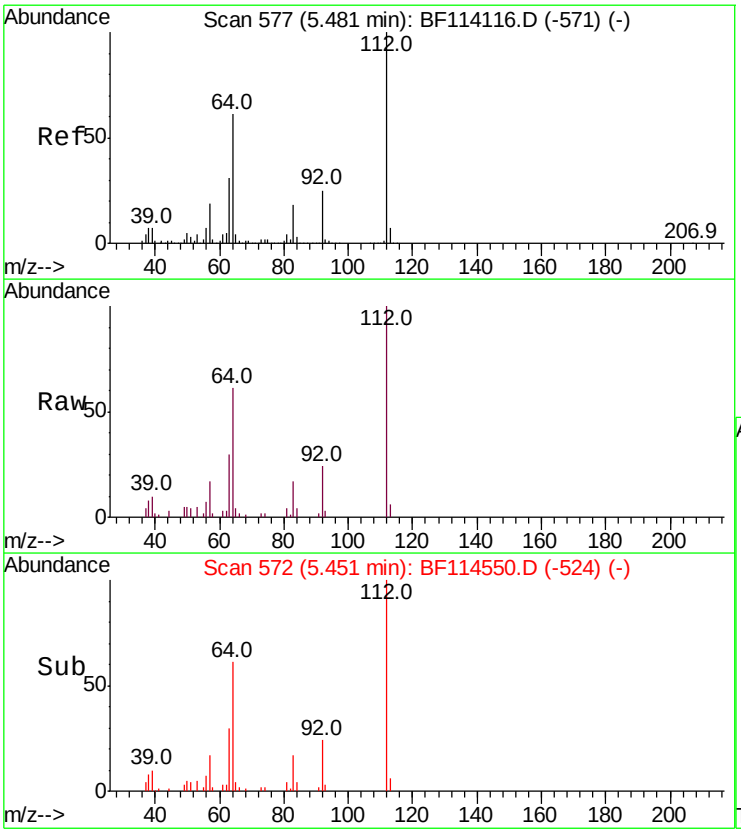
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 127830

Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.3	186.5
115	59.0	49.1	73.7

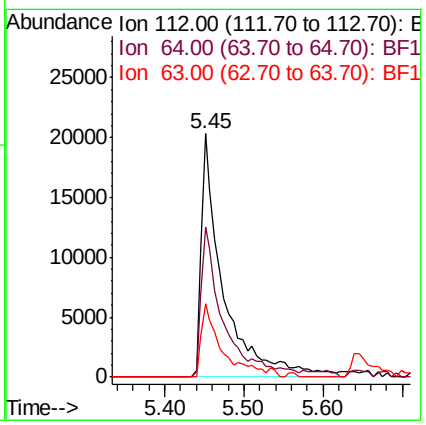


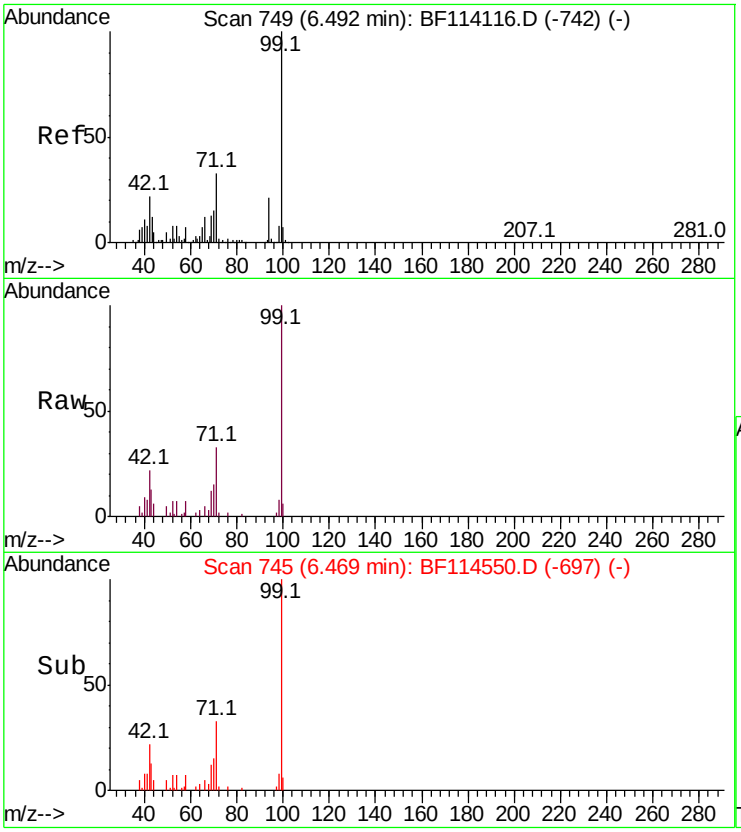


#5
2-Fluorophenol
Concen: 4.923 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:112 Resp: 39108

Ion	Ratio	Lower	Upper
112	100		
64	61.5	49.0	73.6
63	30.1	24.6	37.0



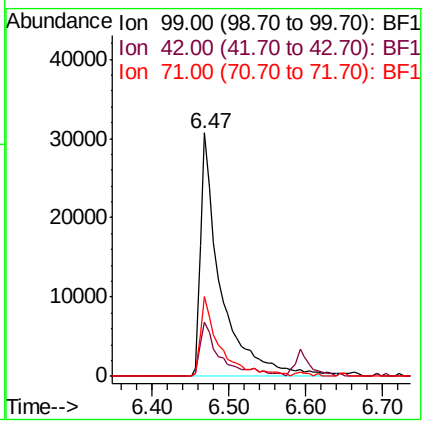


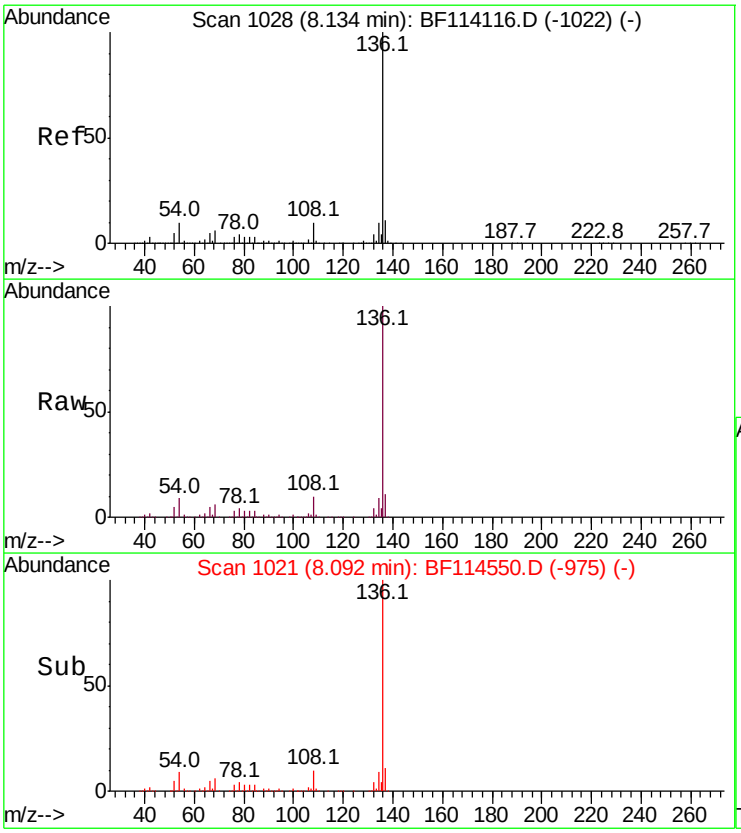
#7
Phenol-d6
Concen: 5.971 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 56100

Ion	Ratio	Lower	Upper
99	100		
42	22.1	17.9	26.9
71	32.5	26.2	39.2

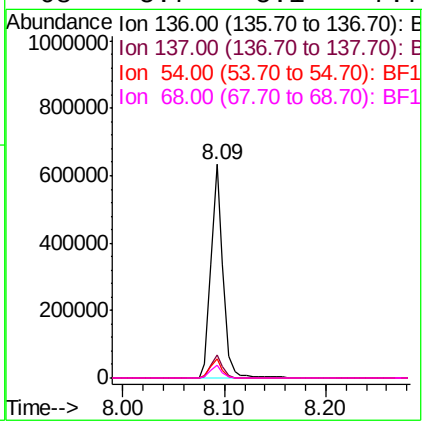


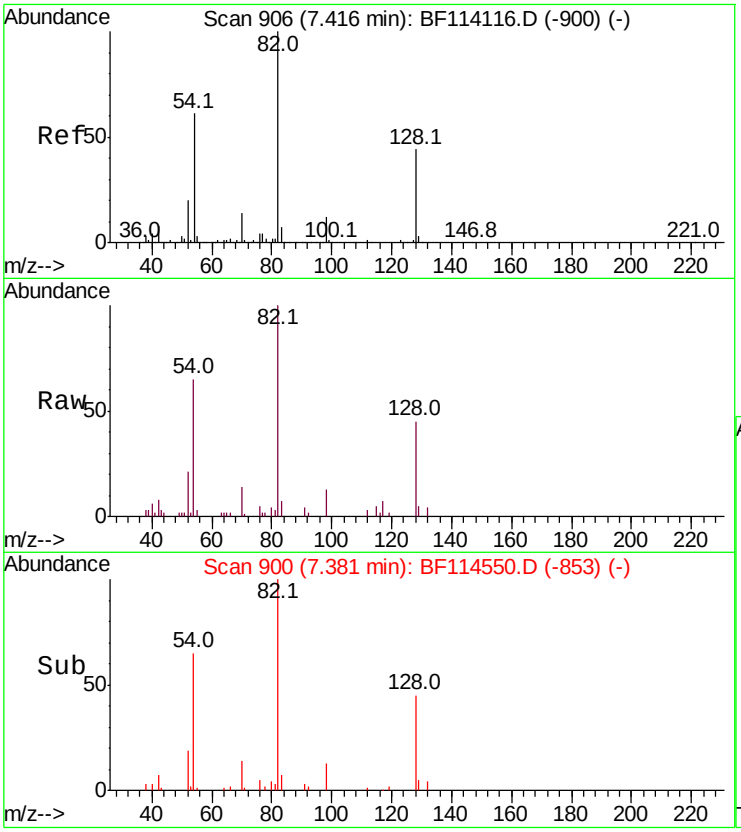


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:136 Resp: 521627

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.0	7.8	11.8
68	5.7	5.1	7.7



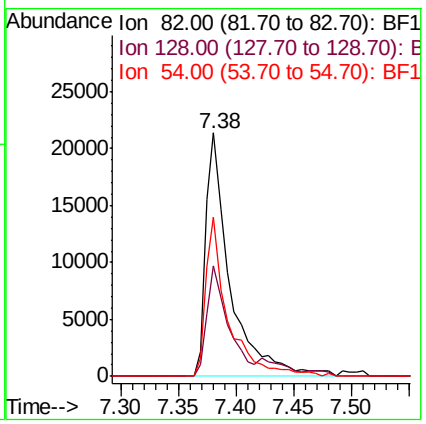


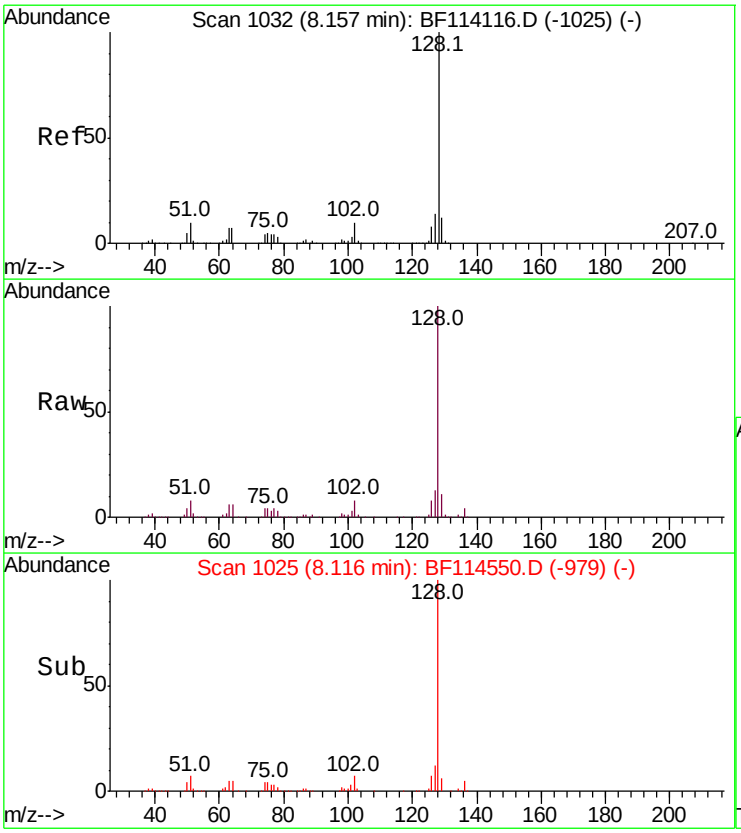
#23
Nitrobenzene-d5
Concen: 3.365 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 31279

Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.5	53.3
54	65.2	48.5	72.7

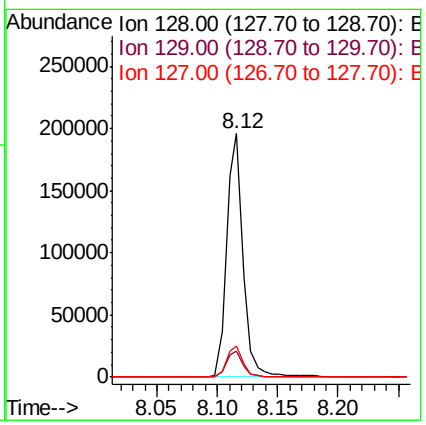


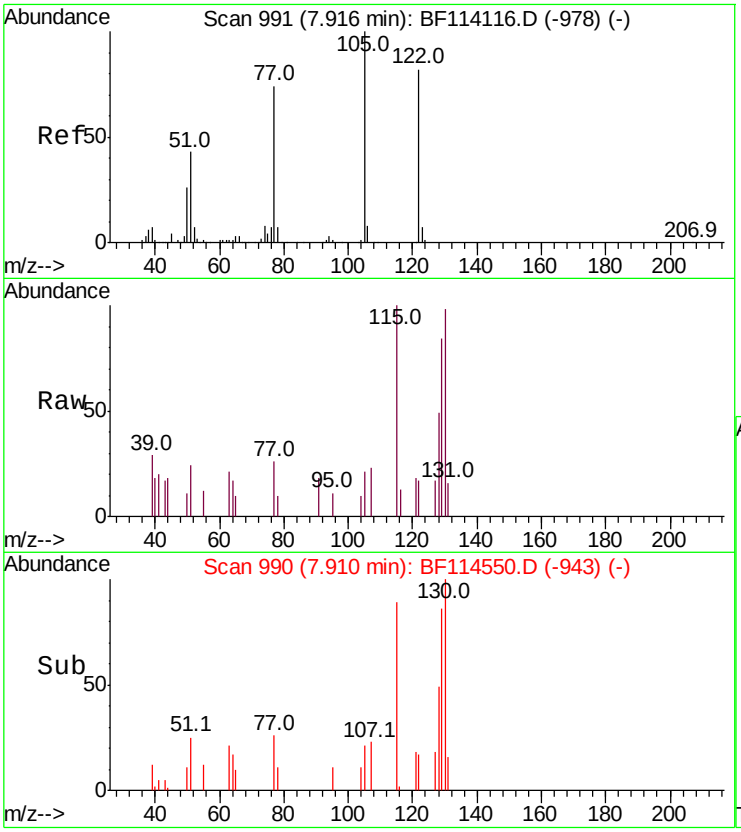


#31
Naphthalene
Concen: 7.559 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.03 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:128 Resp: 184171

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.6	14.4
127	12.5	11.3	16.9



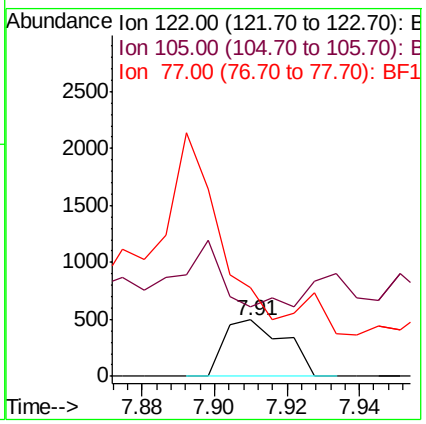


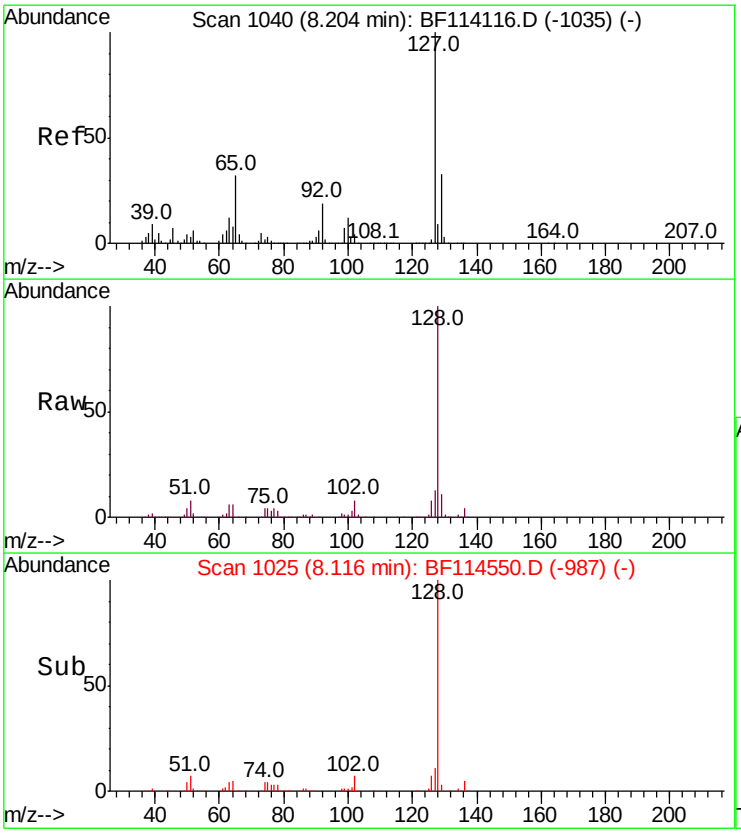
#32
Benzoic acid
Concen: 7.116 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 572

Ion	Ratio	Lower	Upper
122	100		
105	124.0	99.9	139.9
77	157.0	69.4	109.4#

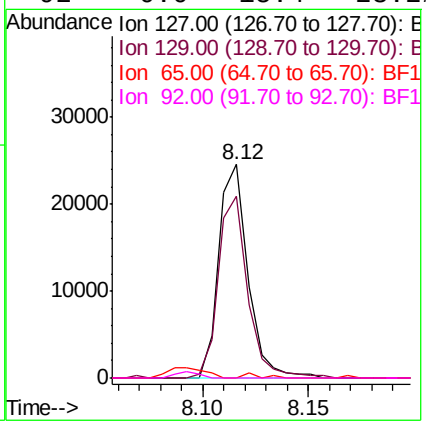


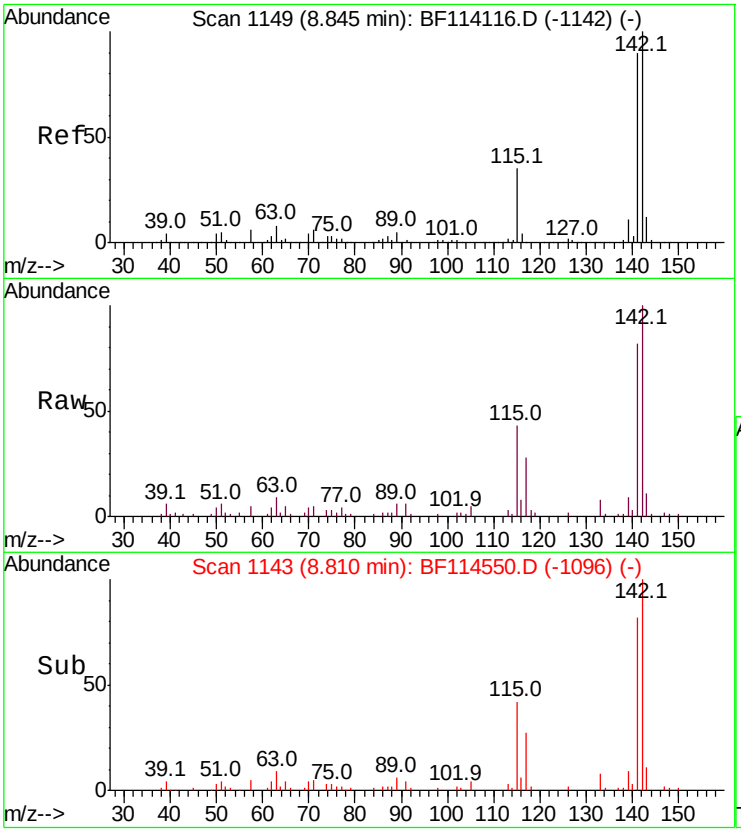


#33
4-Chloroaniline
Concen: 2.119 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.08 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:127 Resp: 23526

Ion	Ratio	Lower	Upper
127	100		
129	85.3	26.7	40.1#
65	0.0	25.4	38.0#
92	0.0	15.4	23.2#



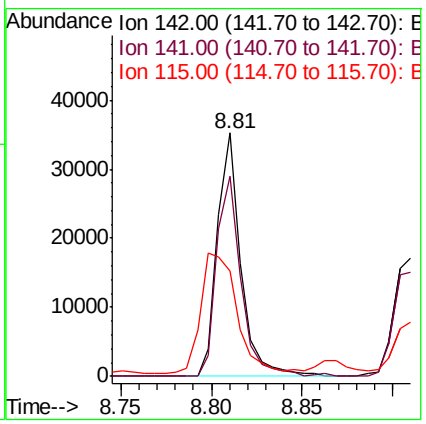


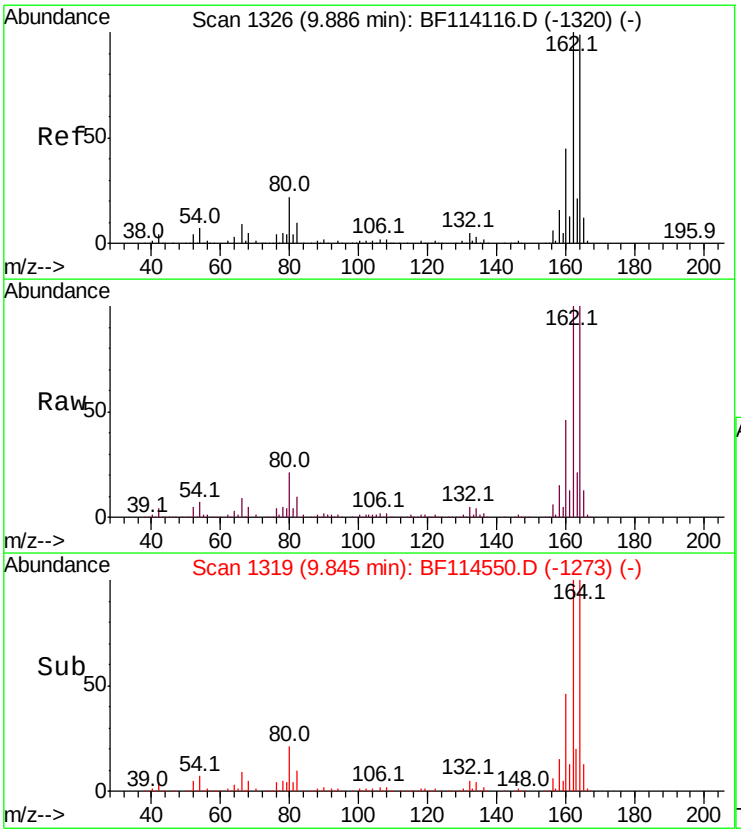
#37
2-Methylnaphthalene
Concen: 2.029 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 31897

Ion	Ratio	Lower	Upper
142	100		
141	82.2	72.1	108.1
115	43.4	28.0	42.0#

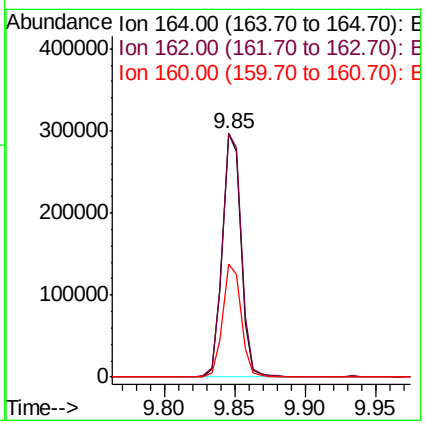


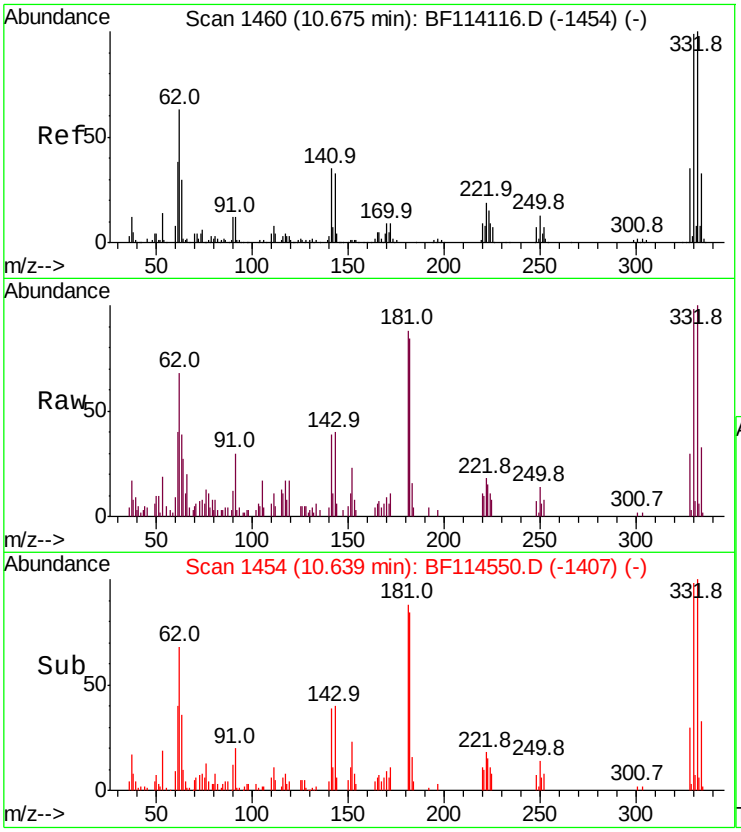


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.03 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:164 Resp: 273019

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	120.8
160	46.4	36.5	54.7



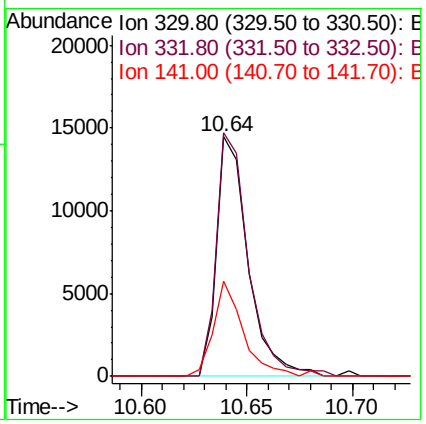


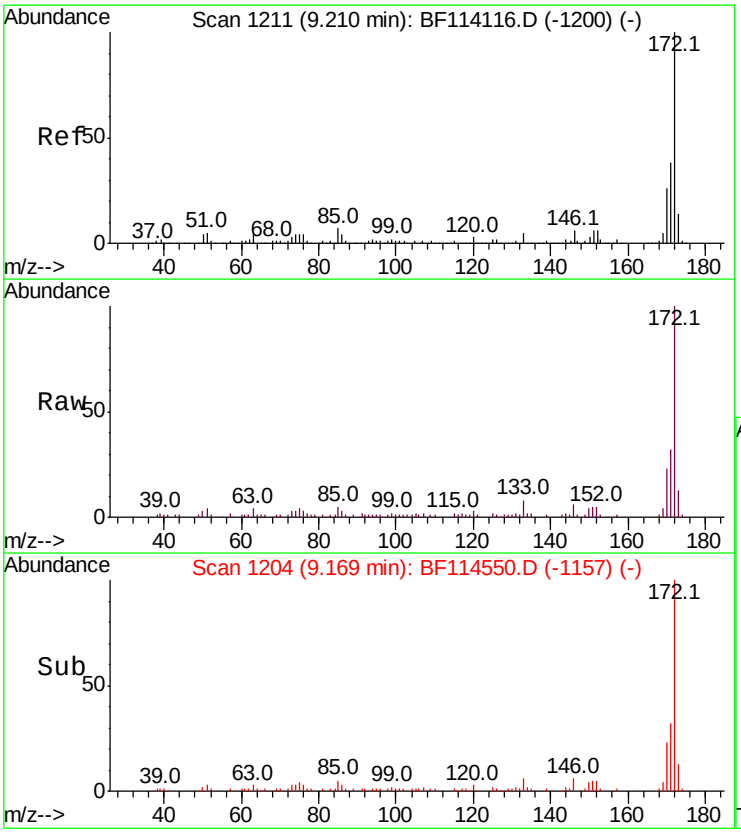
#42
2,4,6-Tribromophenol
Concen: 5.318 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 15011

Ion	Ratio	Lower	Upper
330	100		
332	103.1	81.4	122.2
141	38.3	26.6	40.0

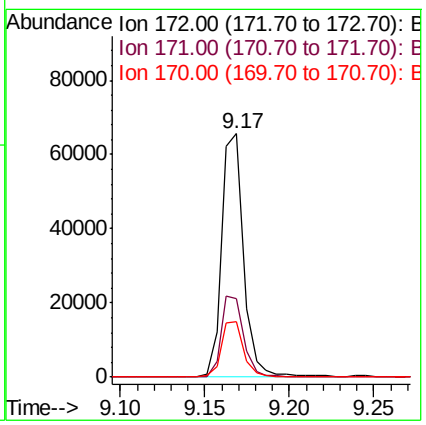


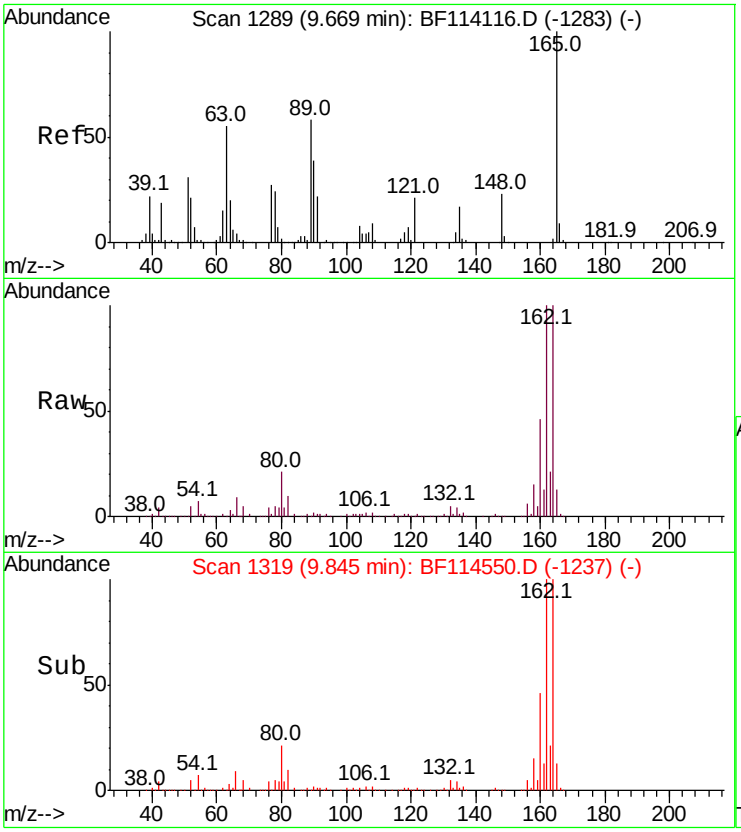


#45
2-Fluorobiphenyl
Concen: 3.303 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:172 Resp: 59612

Ion	Ratio	Lower	Upper
172	100		
171	32.0	30.7	46.1
170	22.8	20.5	30.7



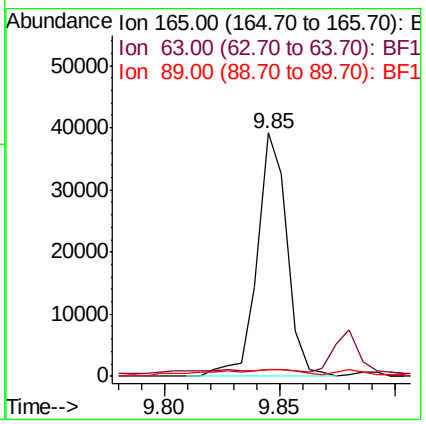


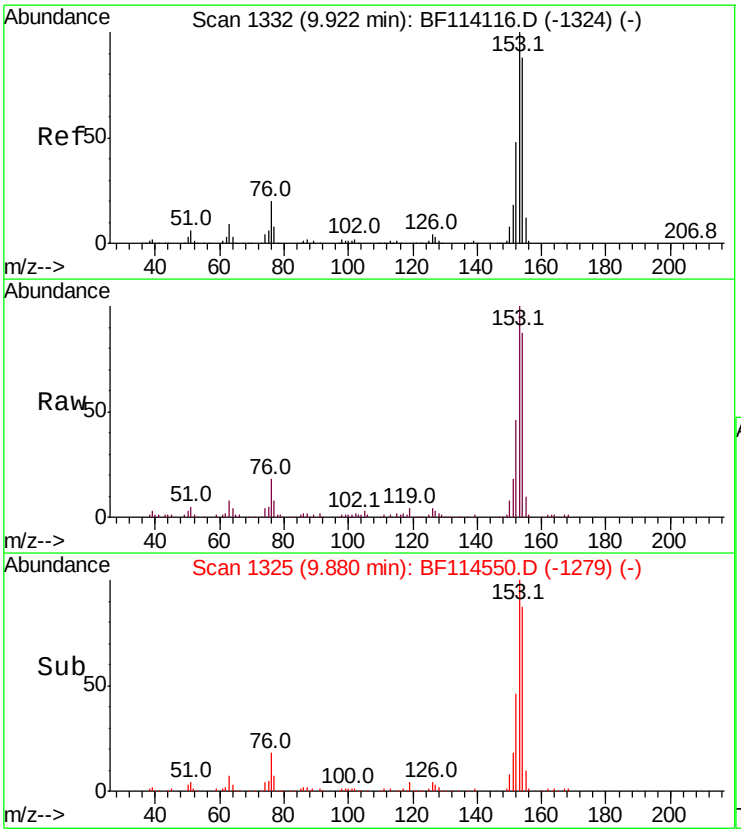
#51
2,6-Dinitrotoluene
Concen: 7.941 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.18 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 35301

Ion	Ratio	Lower	Upper
165	100		
63	2.9	50.2	75.4#
89	2.7	46.6	69.8#

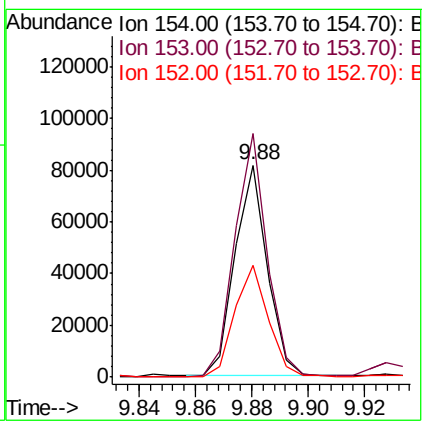


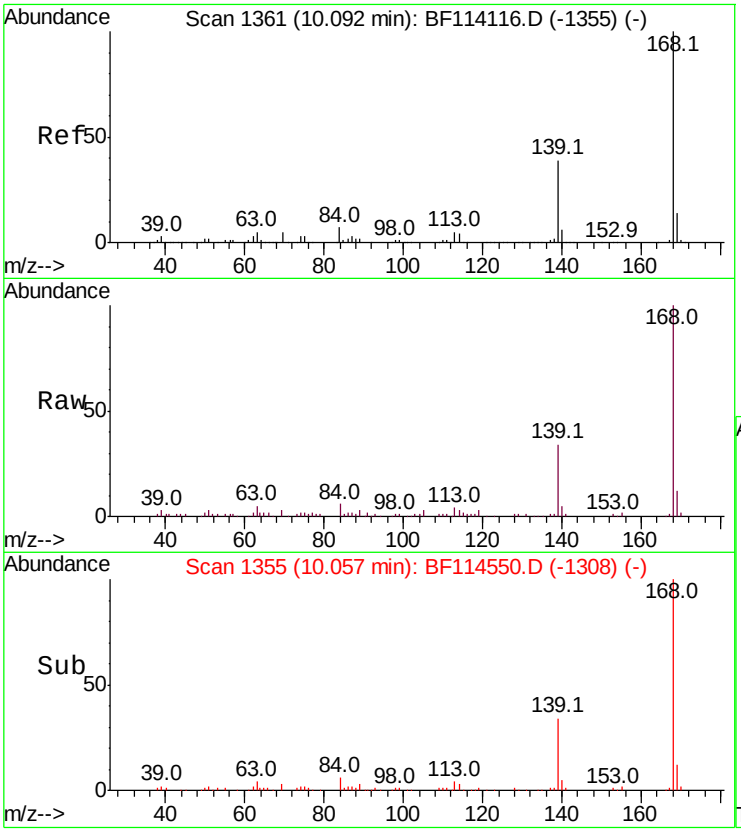


#52
Acenaphthene
Concen: 3.925 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.03 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:154 Resp: 65018

Ion	Ratio	Lower	Upper
154	100		
153	114.8	90.5	135.7
152	52.4	43.4	65.2



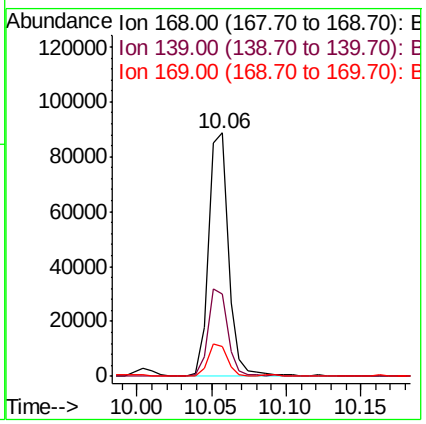


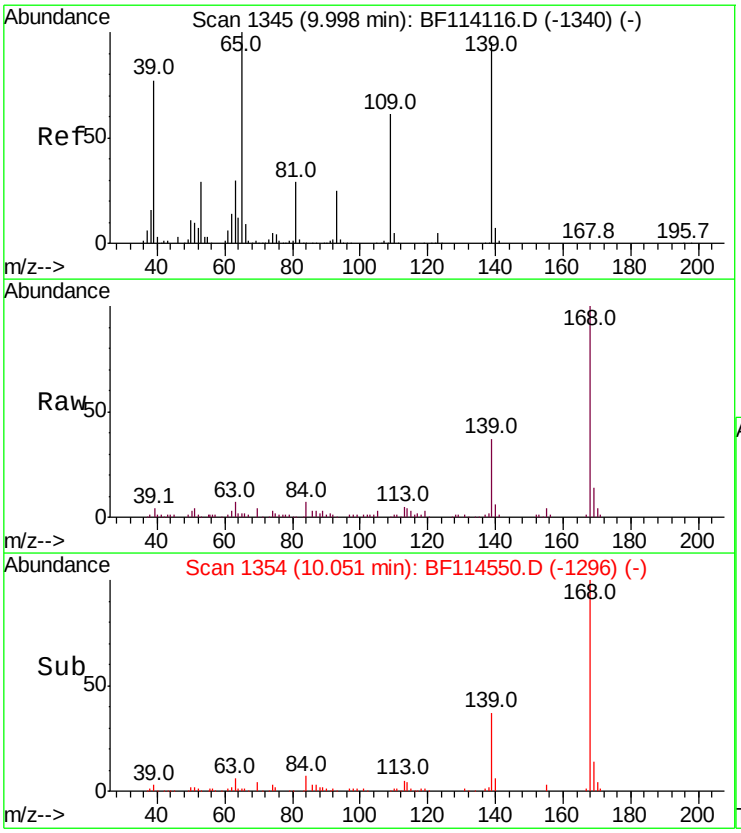
#55
Dibenzofuran
Concen: 3.387 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 82279

Ion	Ratio	Lower	Upper
168	100		
139	34.0	31.1	46.7
169	12.2	11.4	17.0

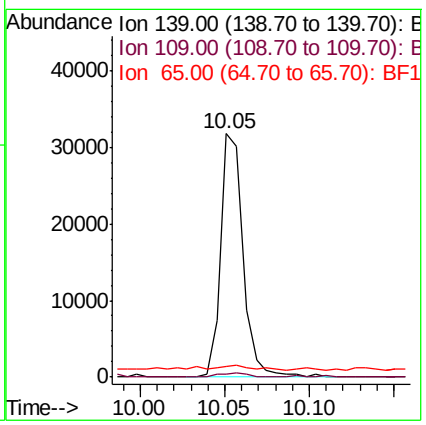


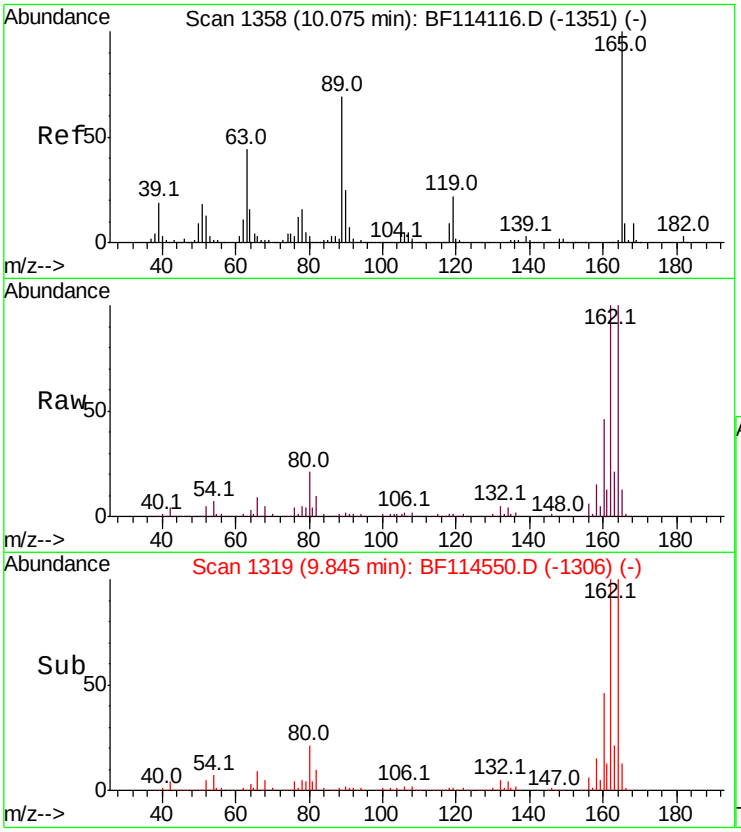


#56
4-Nitrophenol
Concen: 7.536 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.04 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:139 Resp: 29408

Ion	Ratio	Lower	Upper
139	100		
109	1.2	43.9	83.9#
65	4.3	85.7	125.7#



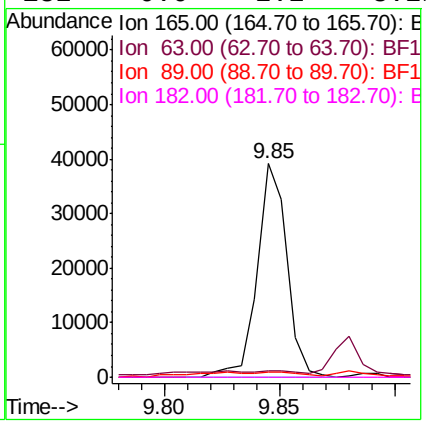


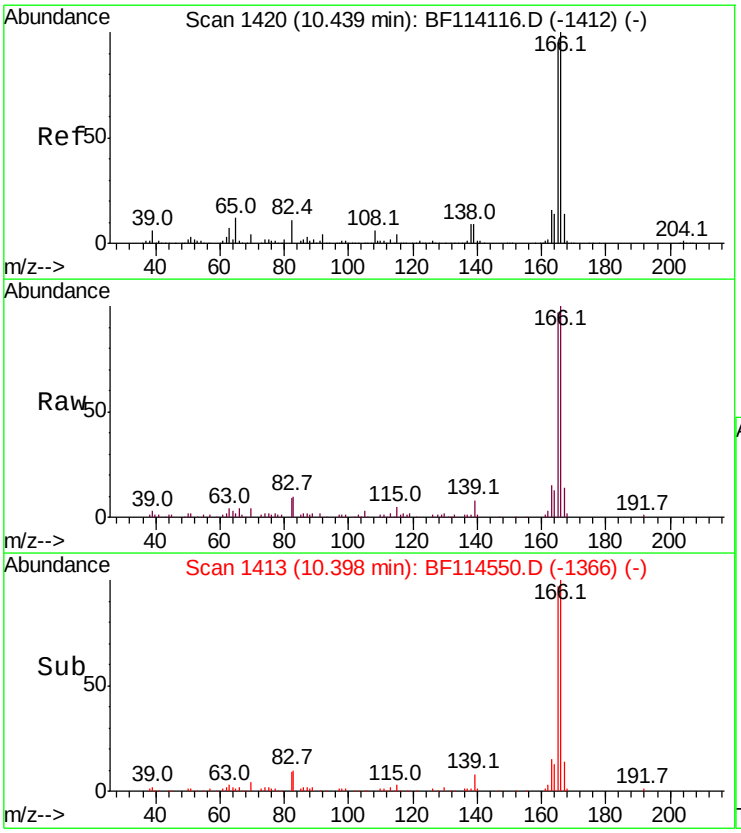
#57
2,4-Dinitrotoluene
Concen: 5.851 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.22 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 35301

Ion	Ratio	Lower	Upper
165	100		
63	2.9	35.5	53.3#
89	2.7	55.2	82.8#
182	0.0	2.2	3.2#

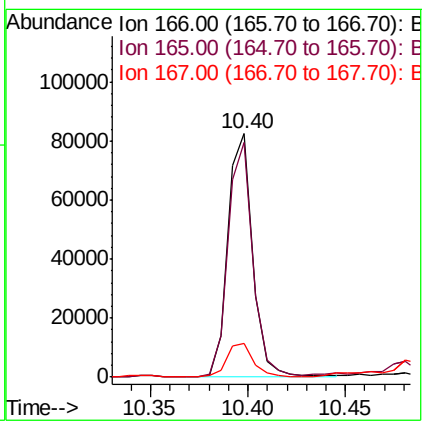


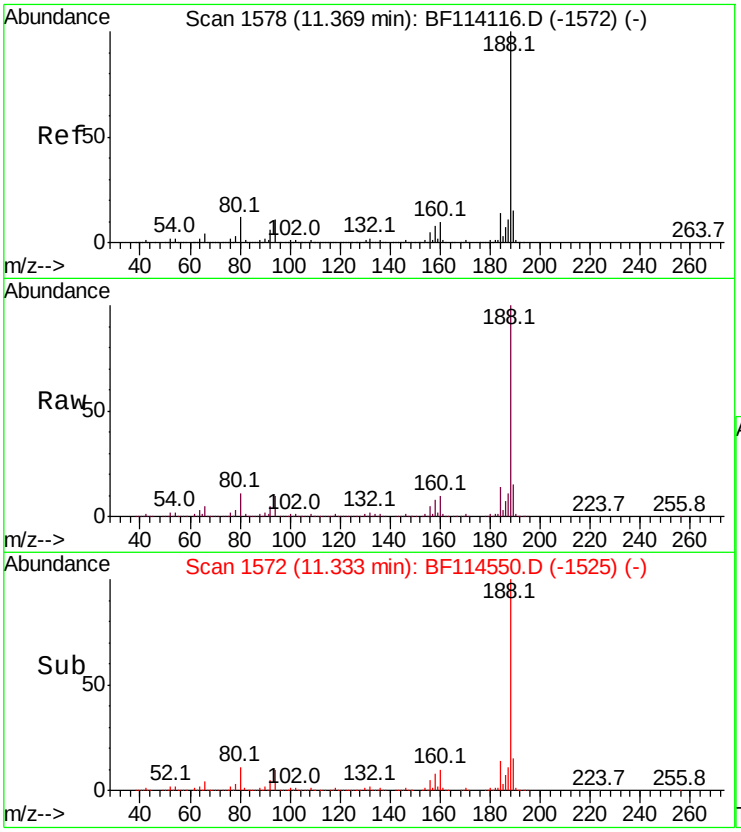


#58
Fluorene
Concen: 3.886 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:166 Resp: 72926

Ion	Ratio	Lower	Upper
166	100		
165	96.6	76.1	114.1
167	13.9	11.1	16.7



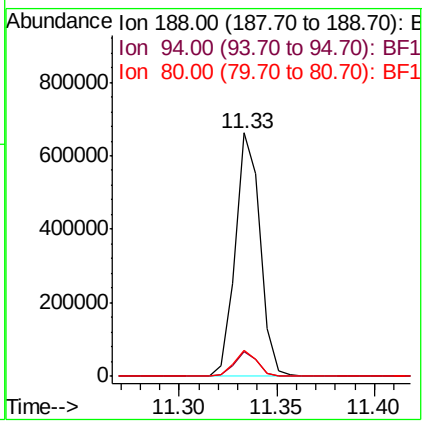


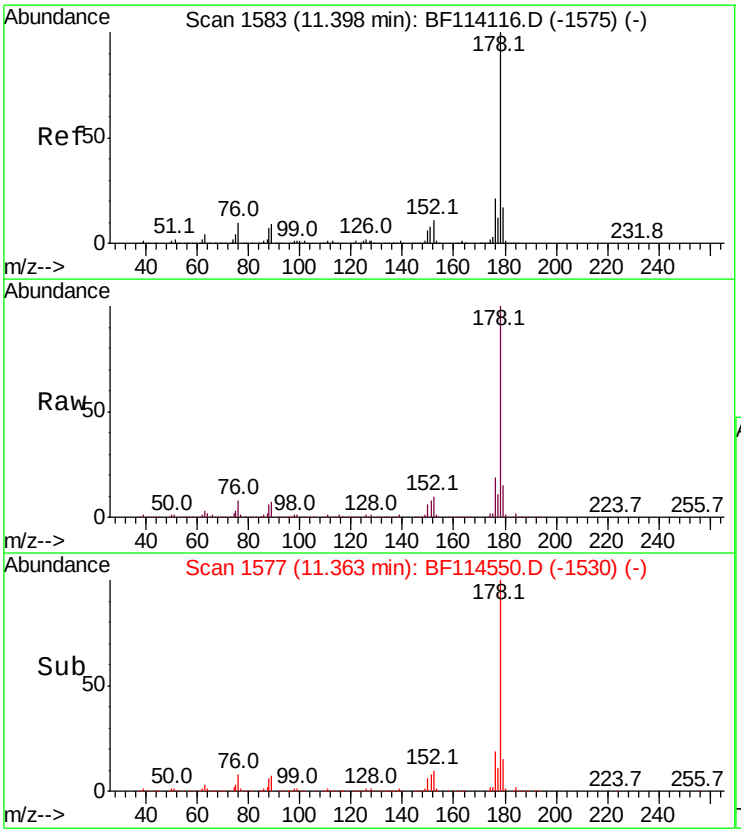
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 580200

Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.4	12.6
80	10.8	9.2	13.8

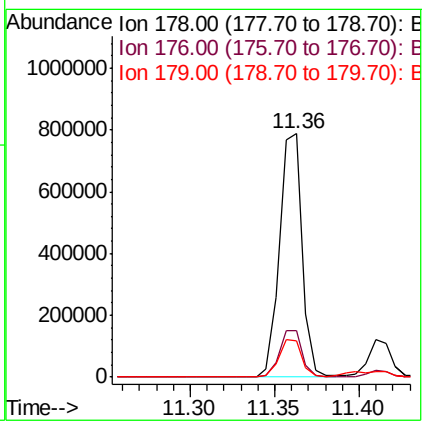


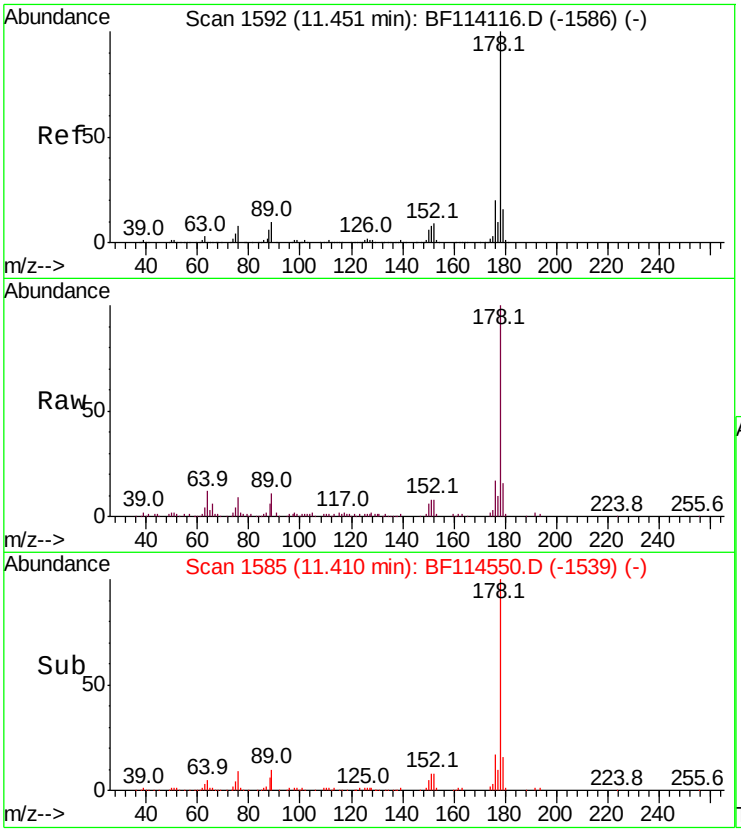


#71
Phenanthrene
Concen: 25.992 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:178 Resp: 733685

Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.4	24.6
179	15.0	13.2	19.8



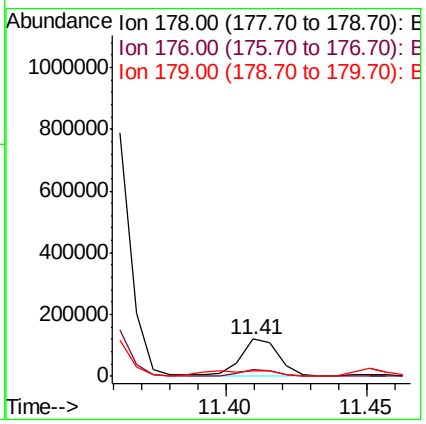


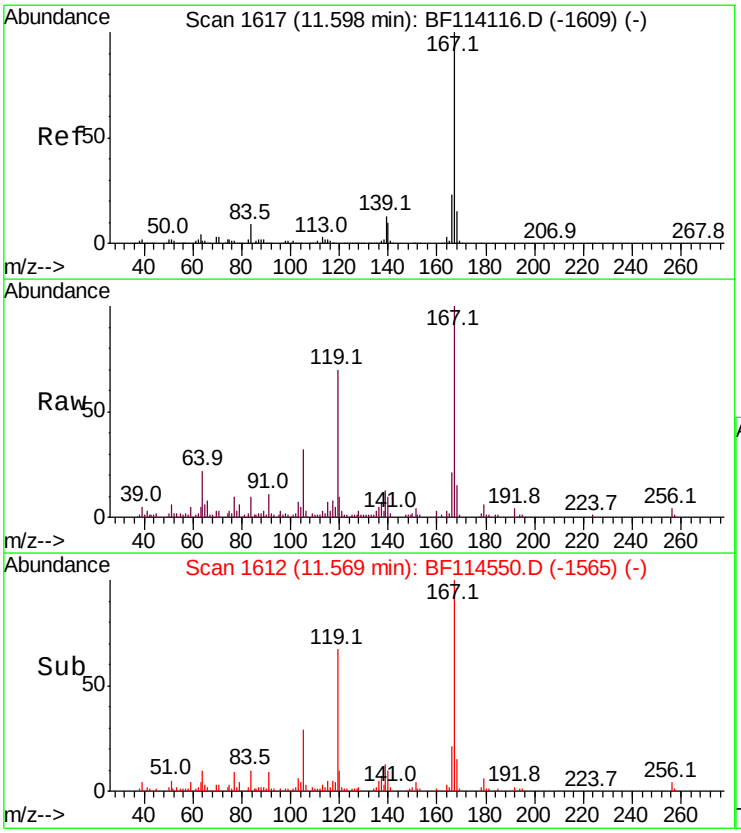
#72
Anthracene
Concen: 3.946 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.03 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 111880

Ion	Ratio	Lower	Upper
178	100		
176	17.1	15.8	23.8
179	16.4	13.0	19.4

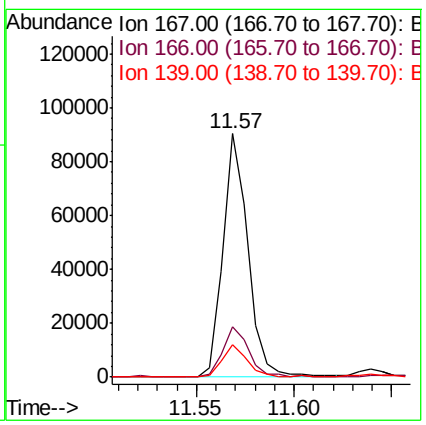


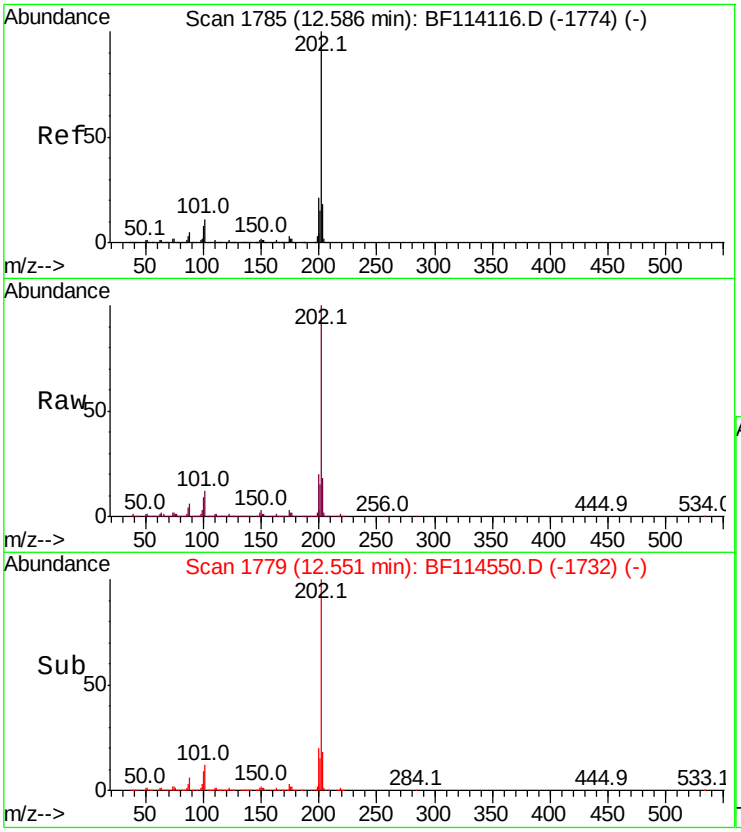


#73
Carbazole
Concen: 2.972 ng
RT: 11.57 min Scan# 1612
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:167 Resp: 80352

Ion	Ratio	Lower	Upper
167	100		
166	20.9	18.2	27.2
139	13.1	10.6	16.0



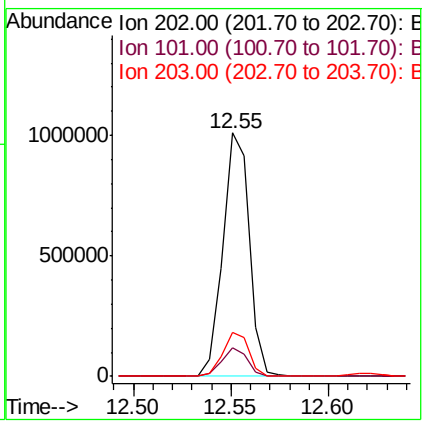


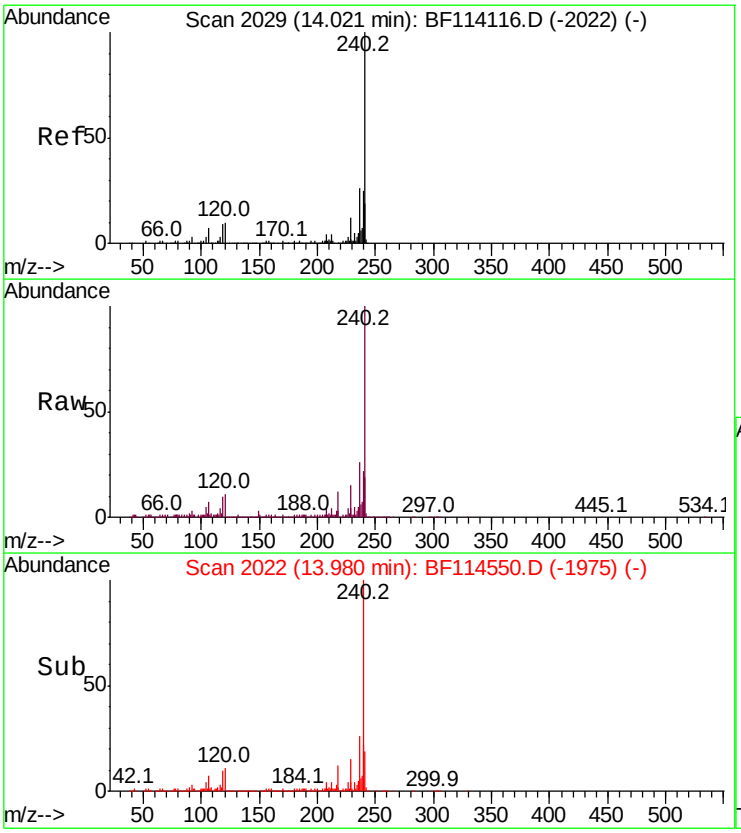
#75
Fluoranthene
Concen: 31.143 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 946677

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.0
203	17.9	0.0	38.4

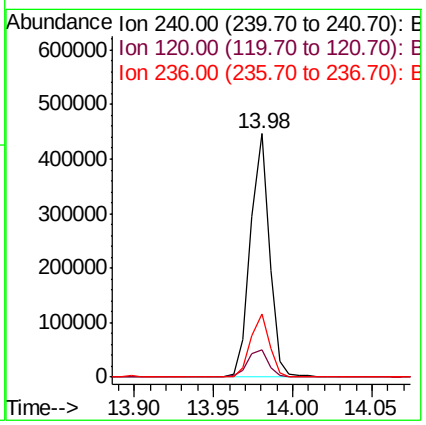


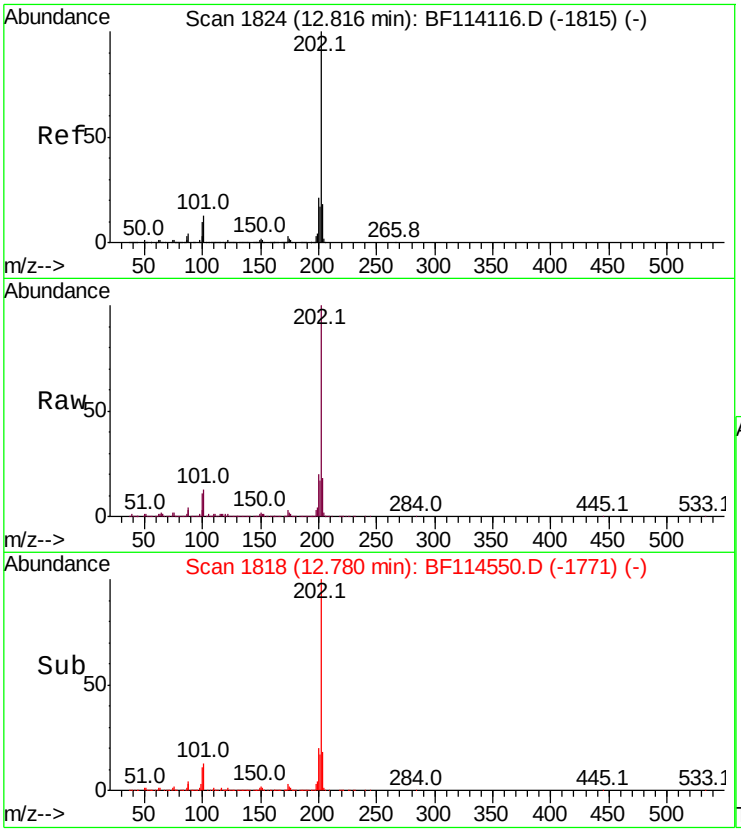


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:240 Resp: 369928

Ion	Ratio	Lower	Upper
240	100		
120	11.0	8.3	12.5
236	25.7	20.8	31.2



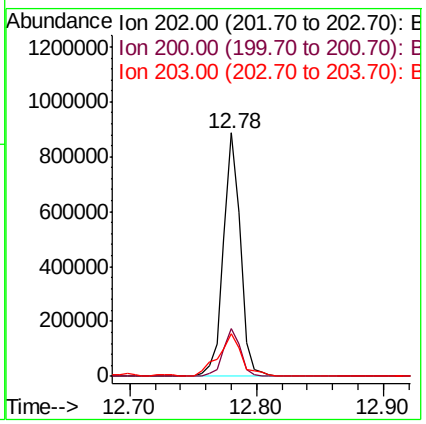


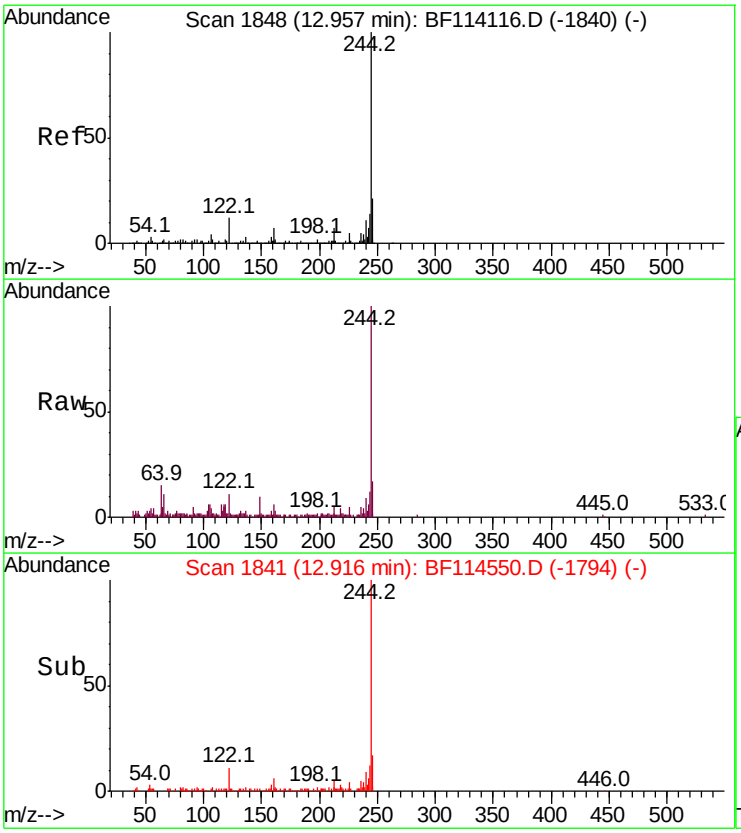
#78
Pyrene
Concen: 27.564 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 820271

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.9	25.3
203	17.7	14.5	21.7

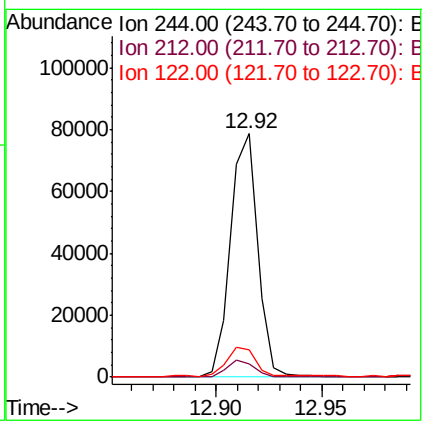


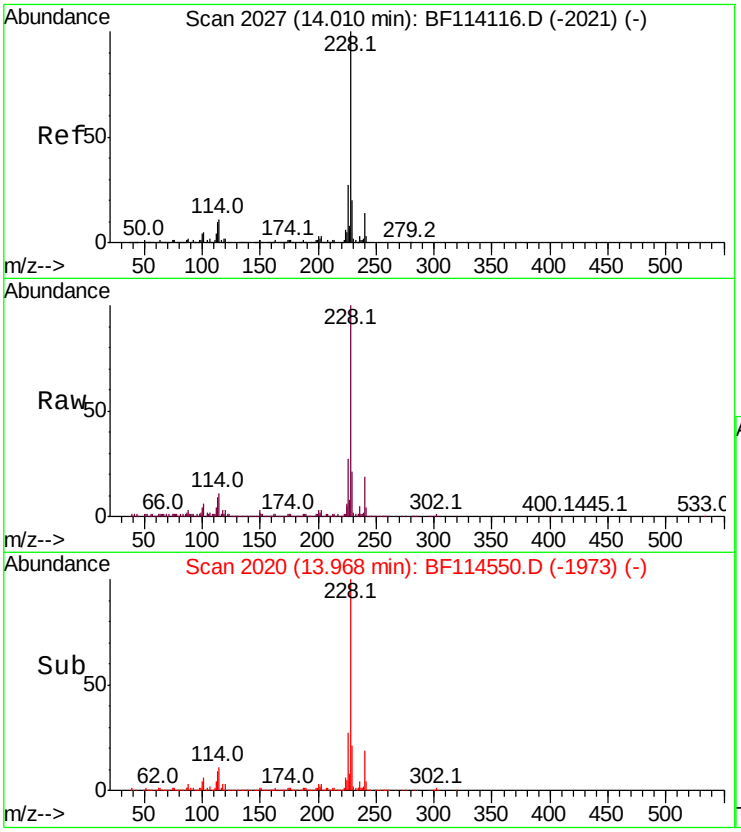


#79
Terphenyl-d14
Concen: 3.915 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:244 Resp: 70248

Ion	Ratio	Lower	Upper
244	100		
212	5.4	5.8	8.6#
122	11.1	9.4	14.2



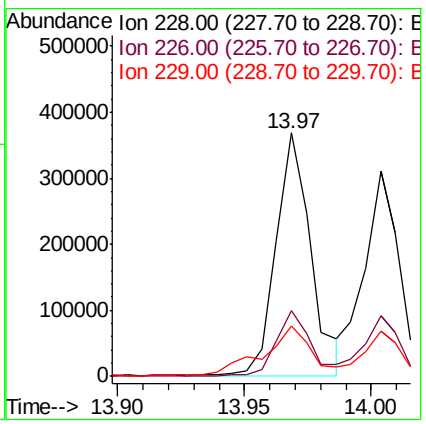


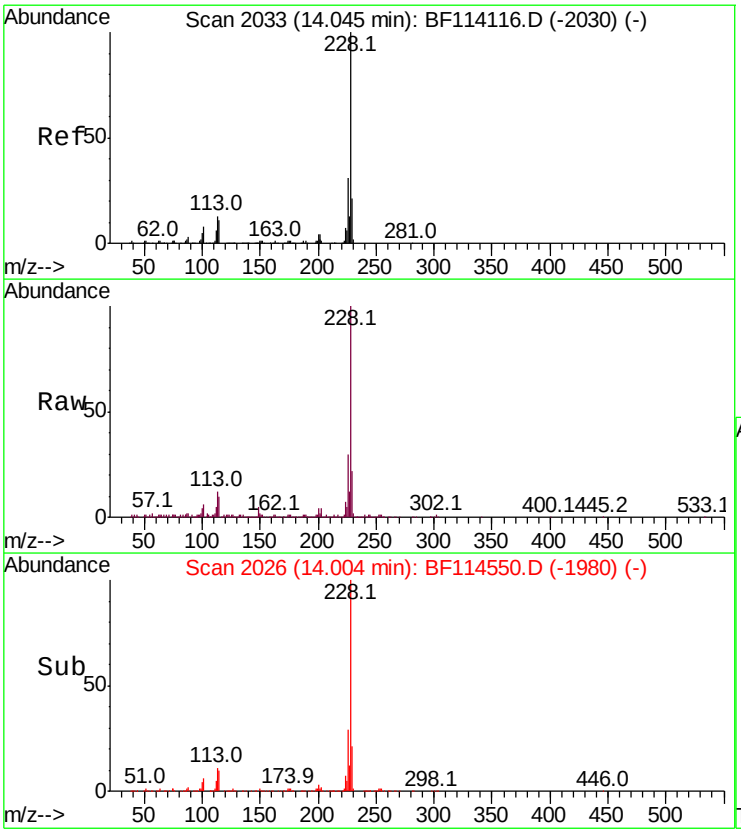
#81
Benzo(a)anthracene
Concen: 14.578 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 348801

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.2	33.2
229	20.7	16.4	24.6

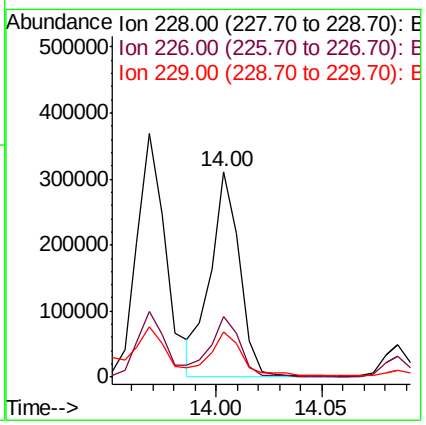


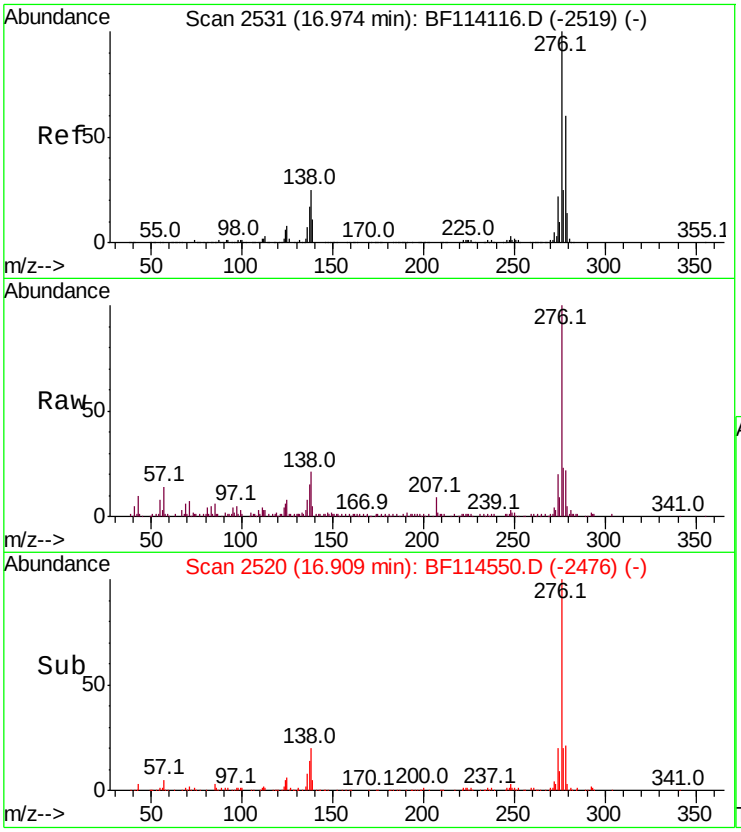


#83
Chrysene
Concen: 12.568 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.03 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:228 Resp: 294792

Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	21.8	17.0	25.6



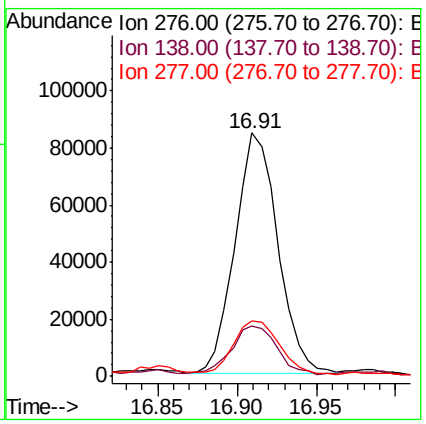


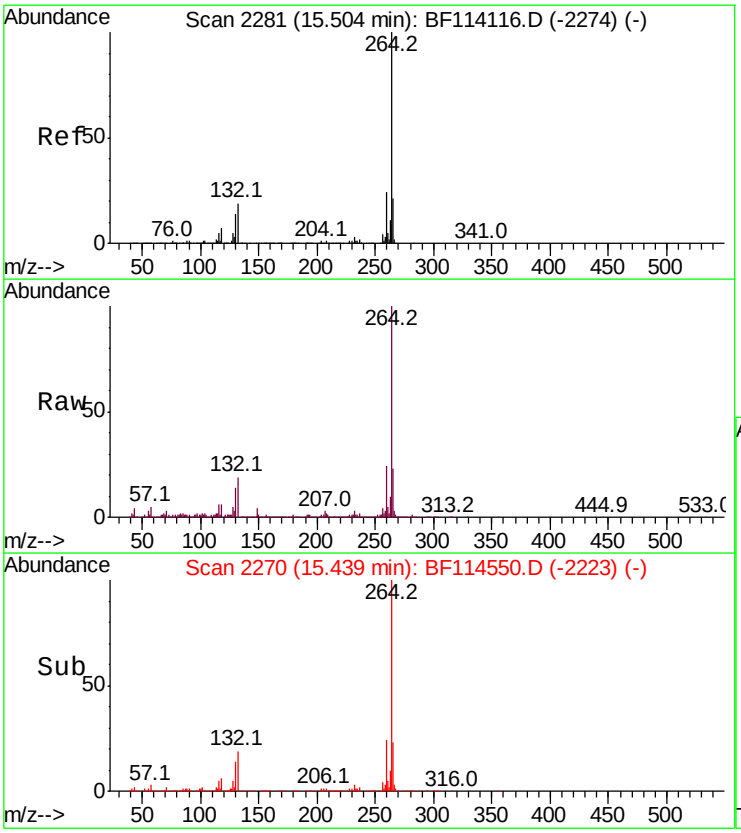
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.617 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.04 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 157896

Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.2	30.2
277	23.7	20.0	30.0

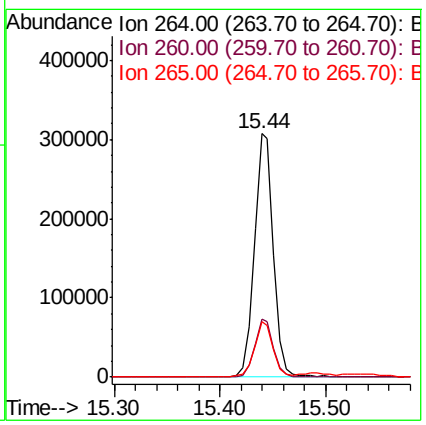


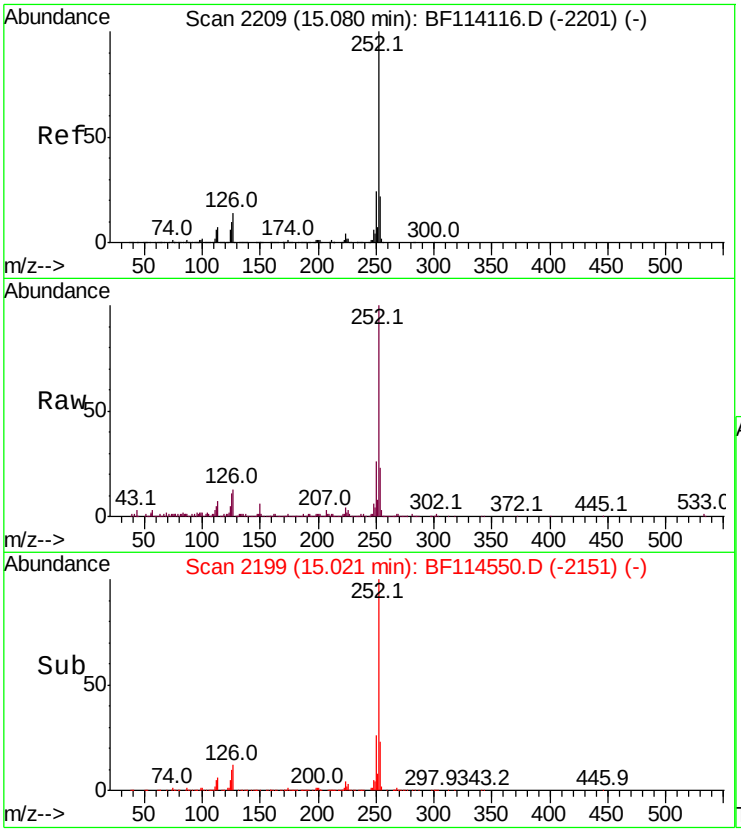


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:264 Resp: 389535

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	22.7	16.9	25.3



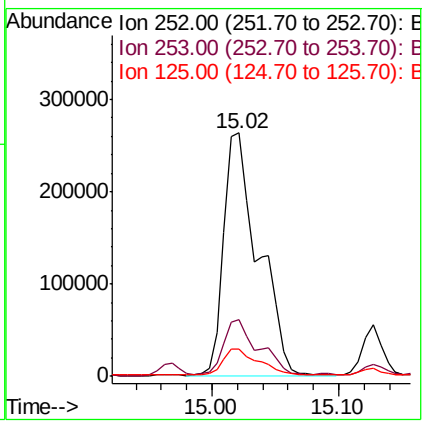


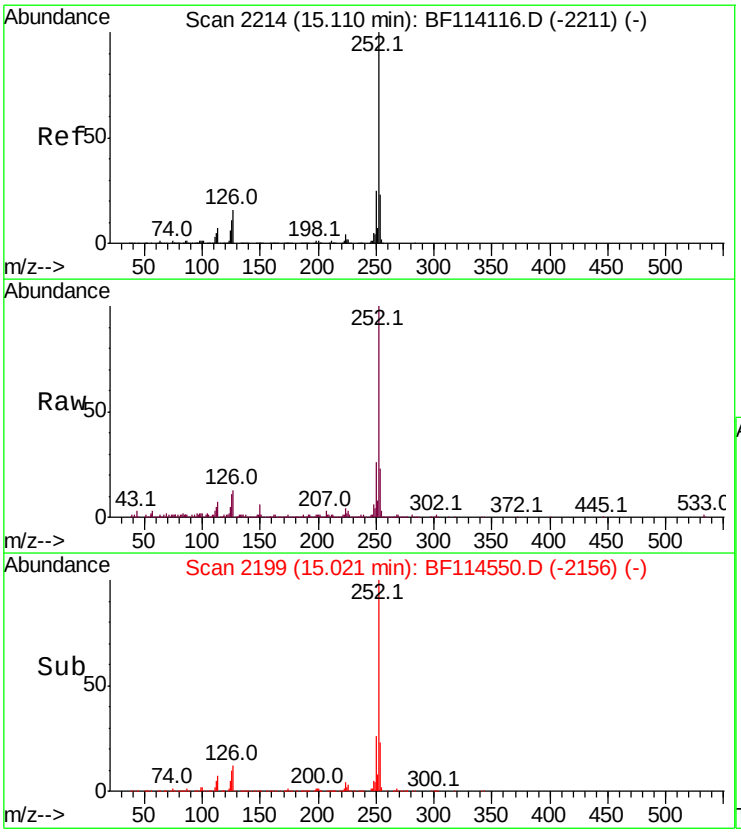
#88
Benzo(b)fluoranthene
Concen: 20.058 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 500554

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	11.0	8.3	12.5

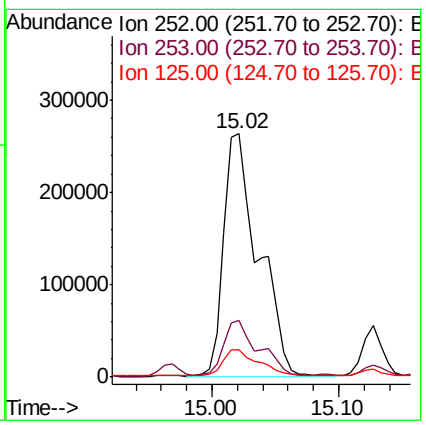


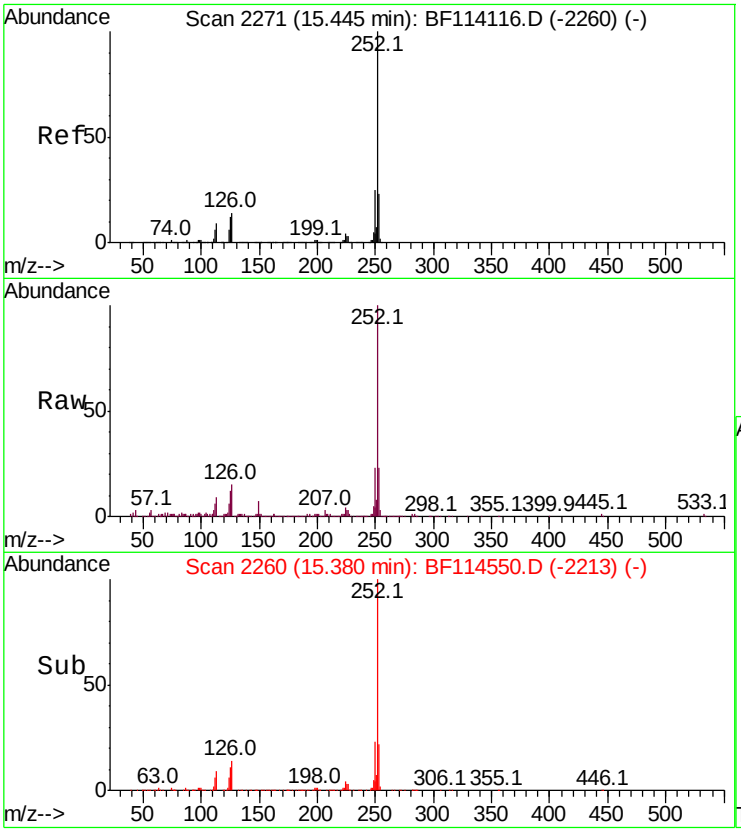


#89
Benzo(k)fluoranthene
Concen: 21.835 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.05 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:252 Resp: 500554

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	11.0	8.6	13.0



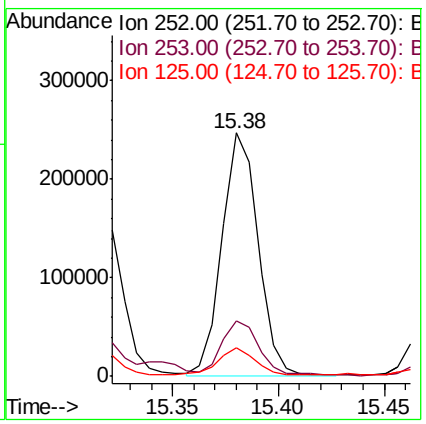


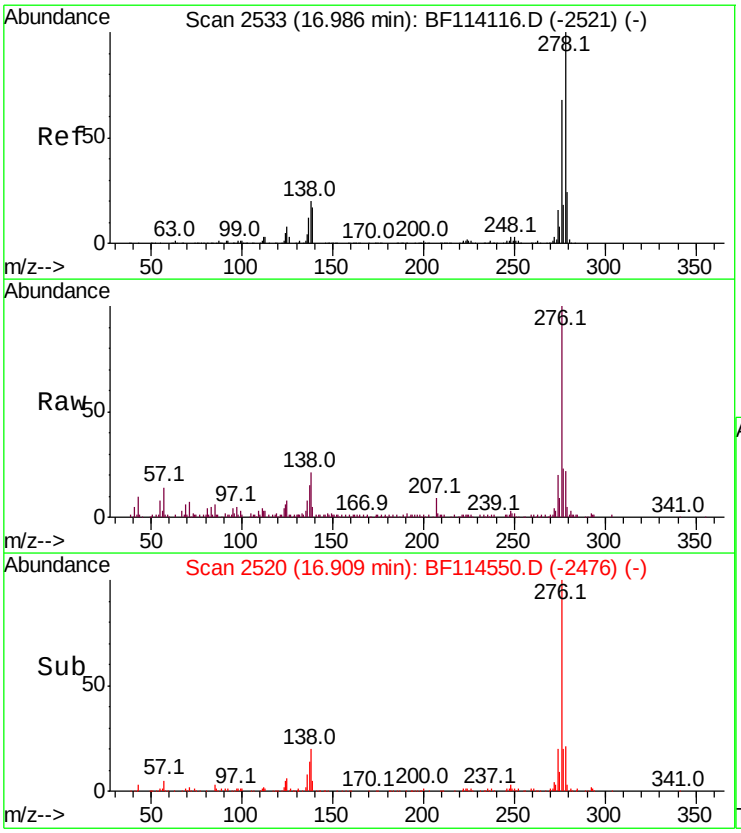
#90
Benzo(a)pyrene
Concen: 13.265 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 291348

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	11.8	9.5	14.3

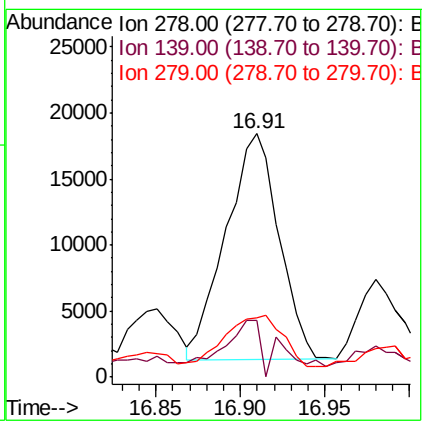


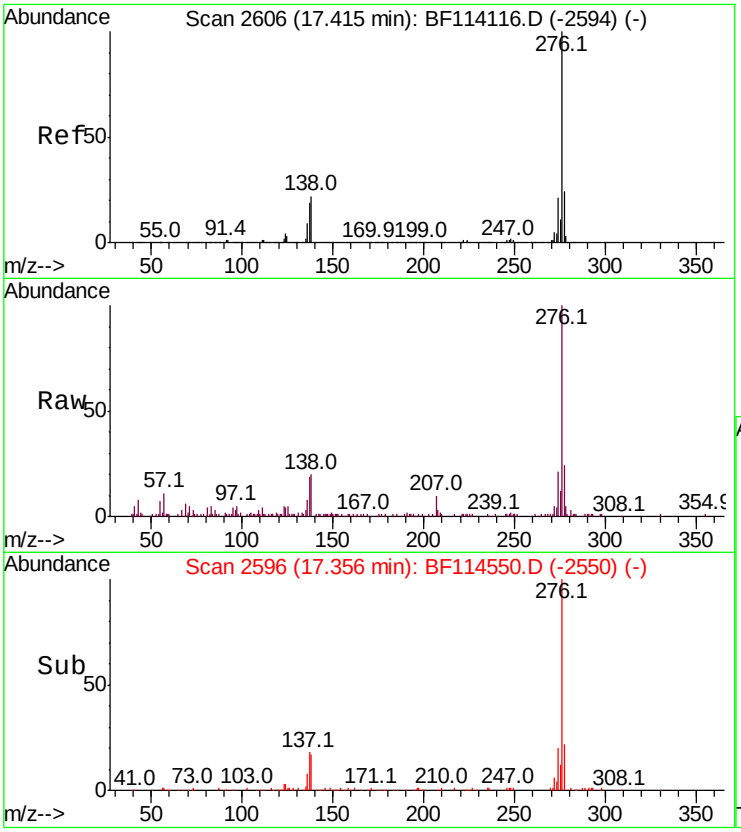


#91
Dibenzo(a,h)anthracene
Concen: 2.041 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.04 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Tgt Ion:278 Resp: 37243

Ion	Ratio	Lower	Upper
278	100		
139	23.1	13.5	20.3#
279	24.2	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 8.189 ng
RT: 17.36 min Scan# 2596
Delta R.T. -0.03 min
Lab File: BF114550.D
Acq: 24 May 2019 3:19

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 149775

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	19.7	17.8	26.6