Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051019\
Data File : BF114144.D
Acq On : 11 May 2019 1:52
Operator : JU/SJ
Sample : K2642-03 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-050919

Quant Time: May 11 04:04:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	271441	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	956222	20.00	ng		0.00
39) Acenaphthene-d10	9.89	164	394899	20.00	ng		0.00
64) Phenanthrene-d10	11.37	188	781300	20.00	ng		0.00
76) Chrysene-d12	14.02	240	527885	20.00	ng		0.00
87) Perylene-d12	15.49	264	478539	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	165324	9.80	ng		0.00
7) Phenol-d6	6.49	99	210975	10.58	ng		0.00
23) Nitrobenzene-d5	7.41	82	98507	5.78	ng		0.00
42) 2,4,6-Tribromophenol	10.67	330	36000	8.82	ng		0.00
45) 2-Fluorobiphenyl	9.20	172	195567	7.49	ng		0.00
79) Terphenyl-d14	12.95	244	232643	9.08	ng		0.00
Target Compounds							Qvalue
25) Isophorone	7.41	82	96362	3.049	ng	#	65
31) Naphthalene	8.16	128	999979	22.388	ng		98
32) Benzoic acid	7.92	122	2742	7.269	ng	#	31
33) 4-Chloroaniline	8.16	127	131657	6.468	ng	#	32
37) 2-Methylnaphthalene	8.85	142	398263	13.820	ng		97
38) 1-Methylnaphthalene	8.95	142	314808	11.600	ng		100
46) 1,1'-Biphenyl	9.31	154	101874	3.193	ng		98
49) Acenaphthylene	9.75	152	165254	4.232	ng		97
52) Acenaphthene	9.92	154	561315	23.425	ng		99
54) 2,4-Dinitrophenol	10.19	184	248	6.816	ng	#	1
55) Dibenzofuran	10.09	168	540506	15.383	ng		97
56) 4-Nitrophenol	10.09	139	189898	33.643	ng	#	7
58) Fluorene	10.43	166	793694	29.244	ng		99
71) Phenanthrene	11.40	178	3930731	103.410	ng		96
72) Anthracene	11.45	178	1245792	32.630	ng		99
73) Carbazole	11.60	167	590338	16.215	ng		96
75) Fluoranthene	12.60	202	4228482	103.302	ng		95
78) Pyrene	12.83	202	3914442	92.179	ng		97
81) Benzo(a)anthracene	14.00	228	1602254	46.927	ng		98
83) Chrysene	14.04	228	1437167	42.939	ng		98
86) Indeno(1,2,3-cd)pyrene	16.96	276	550379	18.606	ng		98
88) Benzo(b)fluoranthene	15.07	252	1863870	60.796	ng		98
89) Benzo(k)fluoranthene	15.07	252	1863870	66.183	ng		98
90) Benzo(a)pyrene	15.43	252	1043525	38.676	ng		99
91) Dibenzo(a,h)anthracene	17.19	278	66569	2.969	ng		92
92) Benzo(g,h,i)perylene	17.40	276	561498	24.990	ng		97

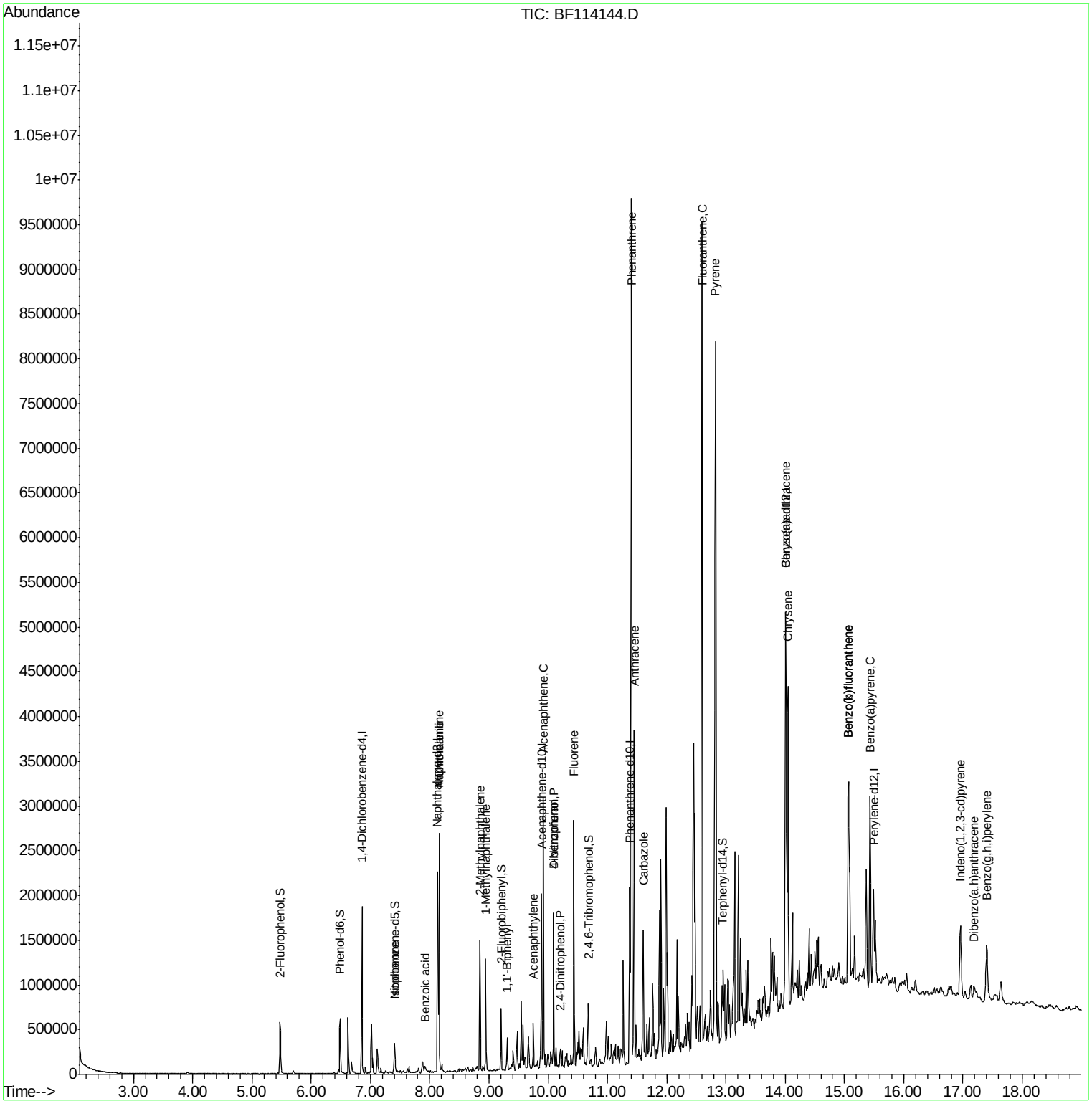
(#) = qualifier out of range (m) = manual integration (+) = signals summed

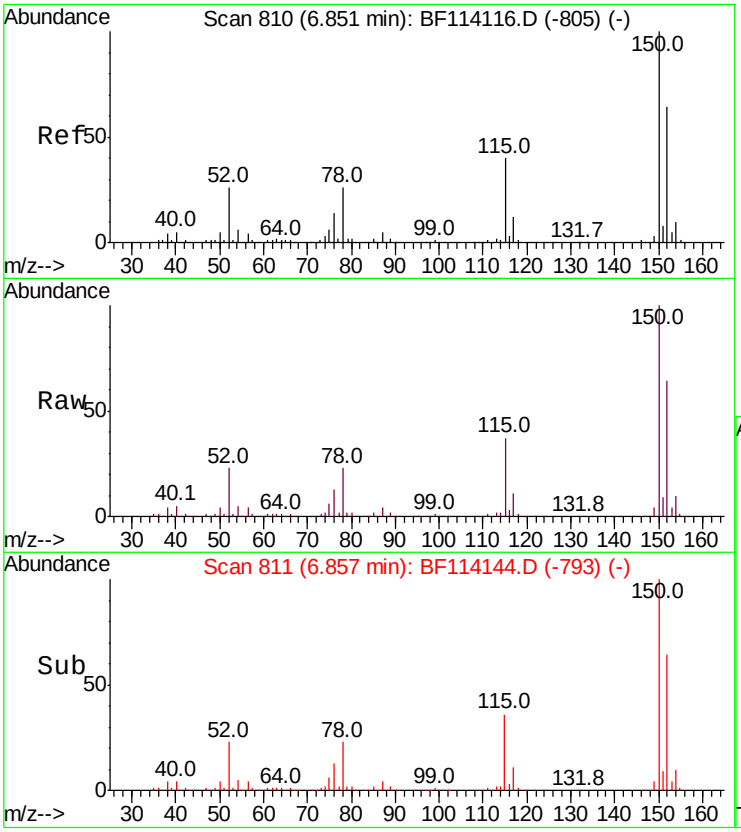
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051019\
Data File : BF114144.D
Acq On : 11 May 2019 1:52
Operator : JU/SJ
Sample : K2642-03 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Quant Time: May 11 04:04:48 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration



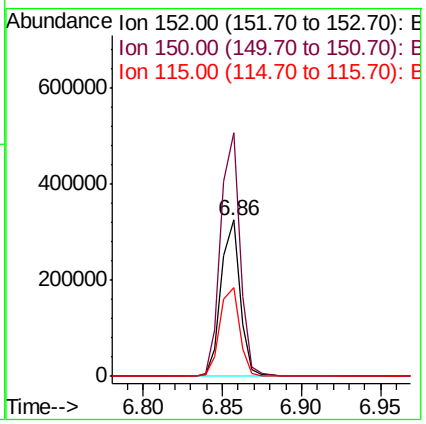


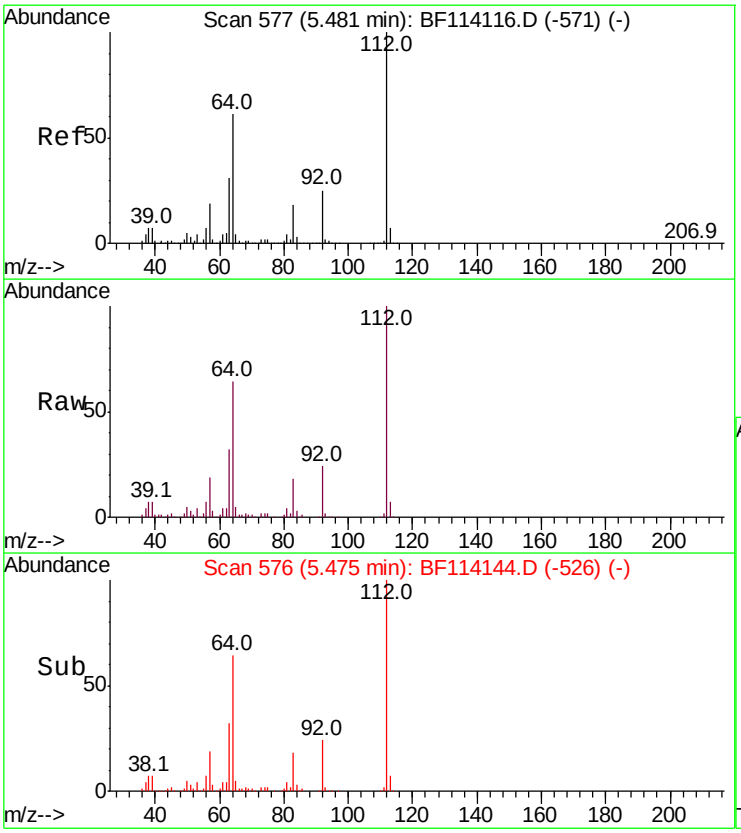
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:152 Resp: 271441

Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.3	186.5
115	57.0	49.1	73.7

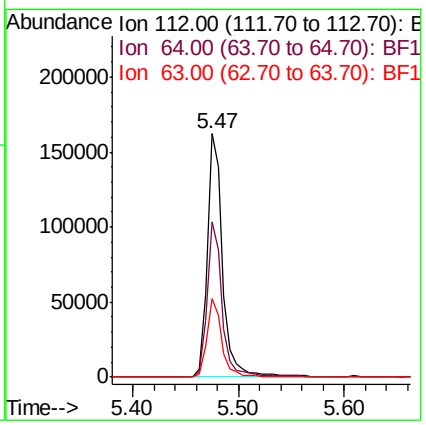


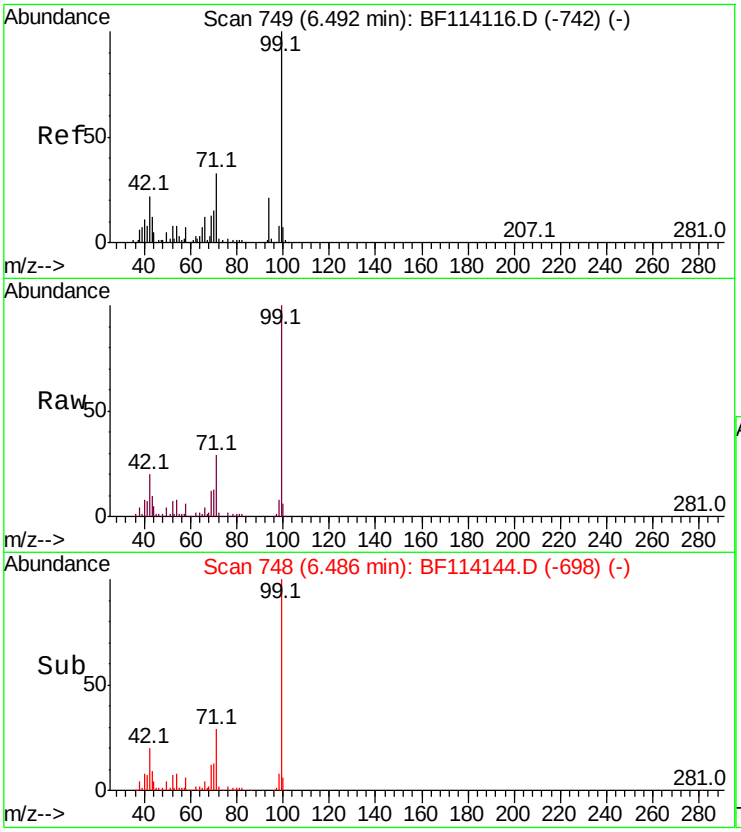


#5
2-Fluorophenol
Concen: 9.801 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:112 Resp: 165324

Ion	Ratio	Lower	Upper
112	100		
64	64.0	49.0	73.6
63	32.3	24.6	37.0



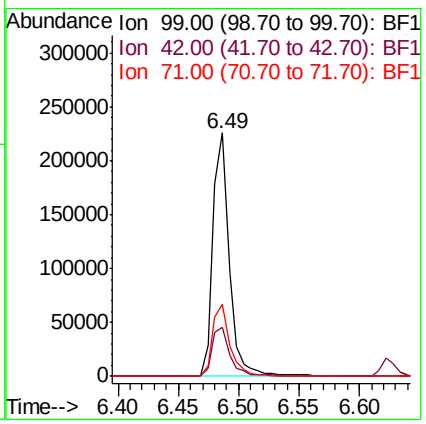


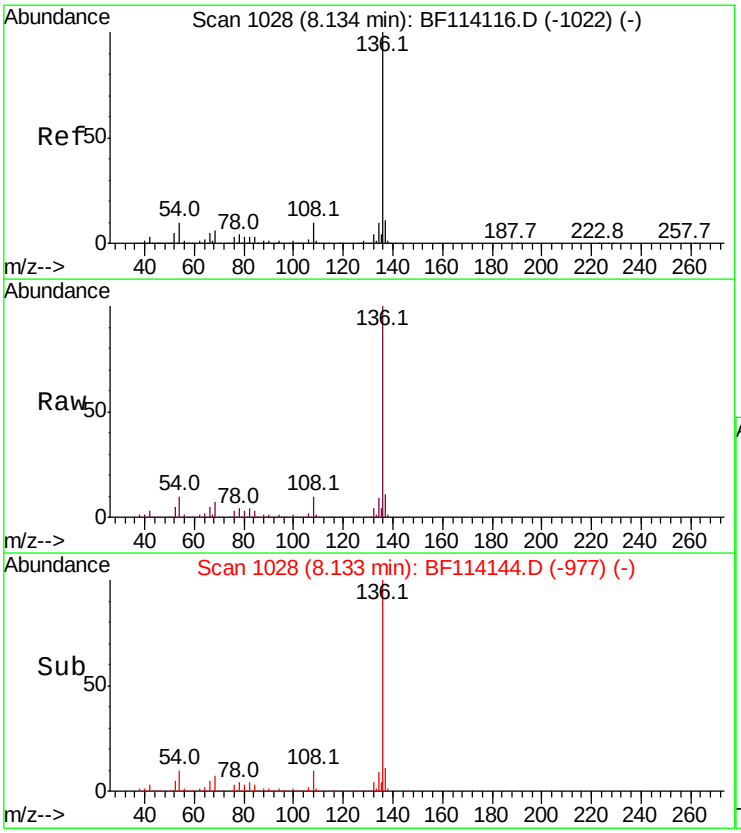
#7
Phenol-d6
Concen: 10.575 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion: 99 Resp: 210975

Ion	Ratio	Lower	Upper
99	100		
42	19.9	17.9	26.9
71	29.5	26.2	39.2

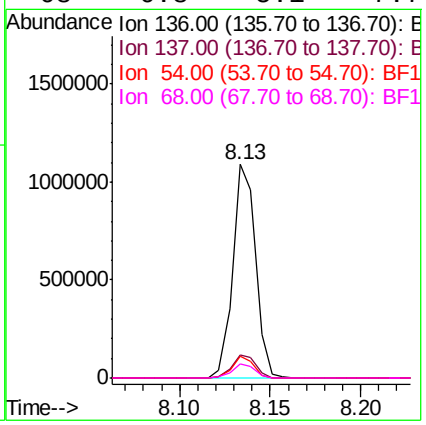


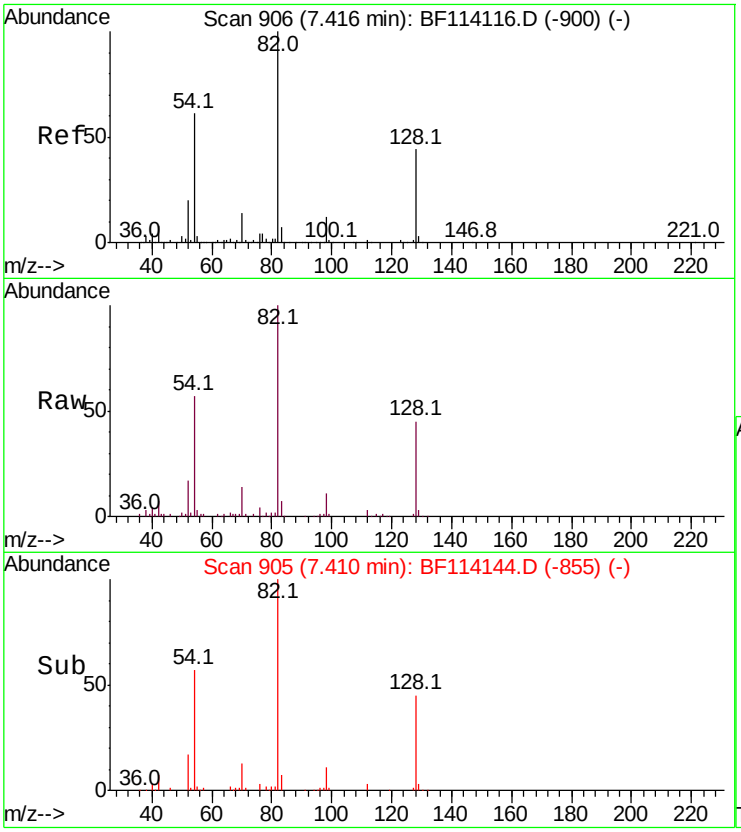


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:136 Resp: 956222

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	10.3	7.8	11.8
68	6.8	5.1	7.7



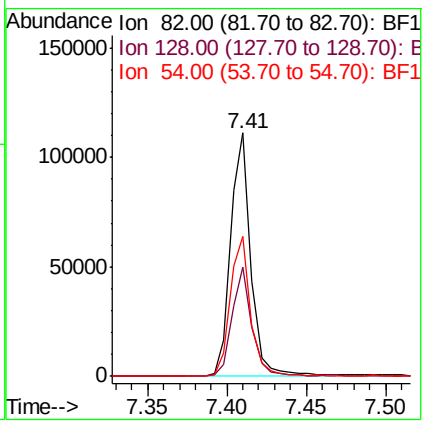


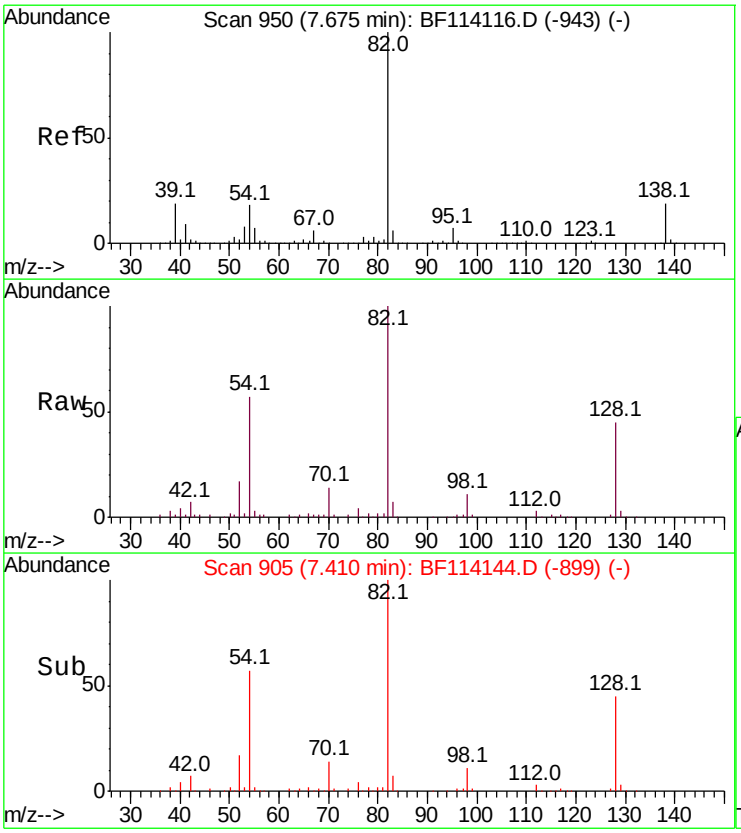
#23
Nitrobenzene-d5
Concen: 5.781 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion: 82 Resp: 98507

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.5	53.3
54	57.4	48.5	72.7

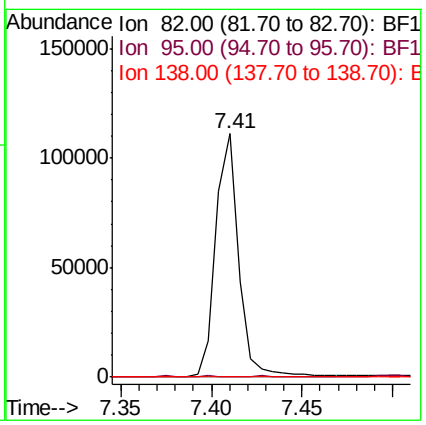


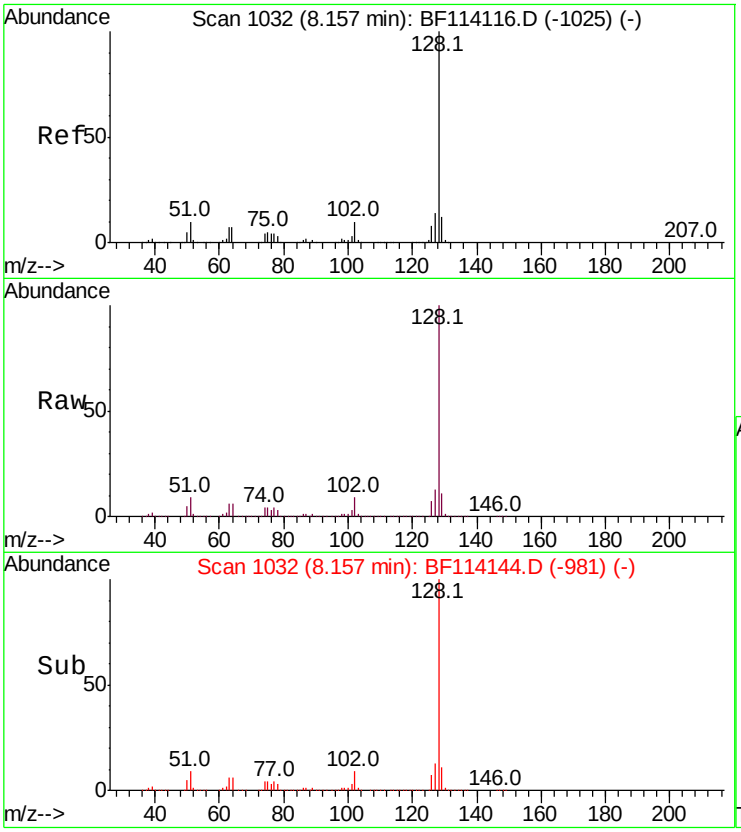


#25
Isophorone
Concen: 3.049 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion: 82 Resp: 96362

Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.6	8.4#
138	0.0	14.8	22.2#



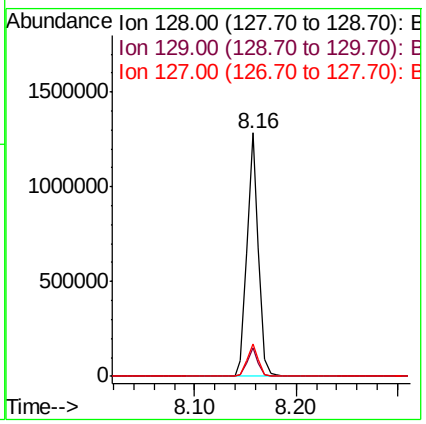


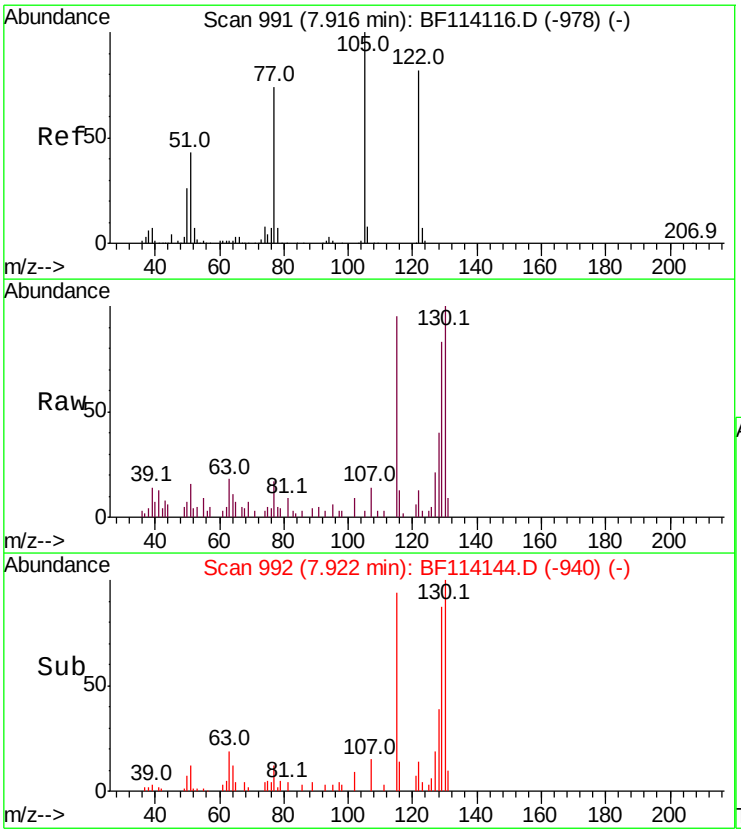
#31
Naphthalene
Concen: 22.388 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:128 Resp: 999979

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.6	14.4
127	13.2	11.3	16.9

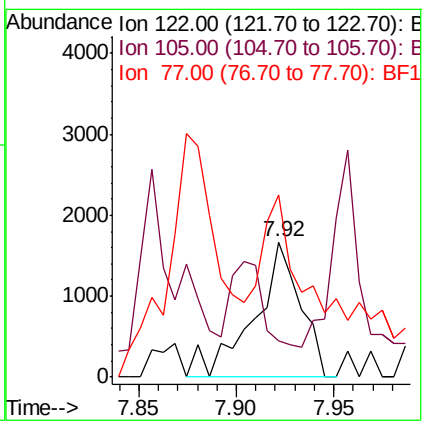


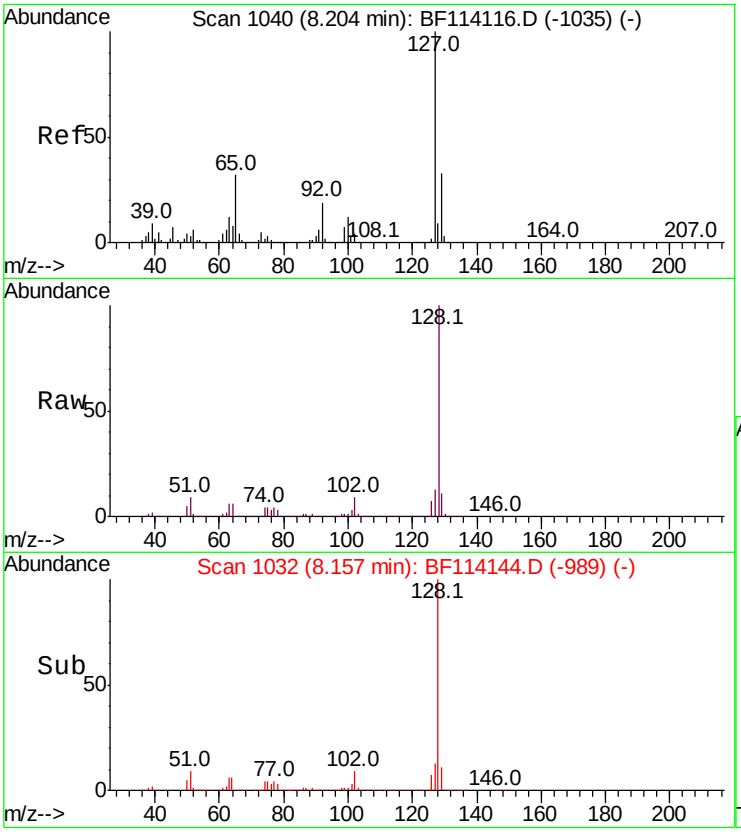


#32
Benzoic acid
Concen: 7.269 ng
RT: 7.92 min Scan# 992
Delta R.T. 0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:122 Resp: 2742

Ion	Ratio	Lower	Upper
122	100		
105	26.8	99.9	139.9#
77	135.2	69.4	109.4#



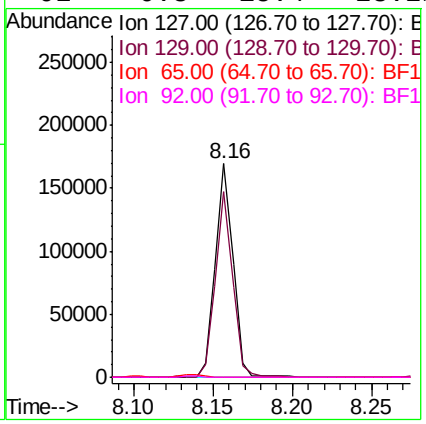


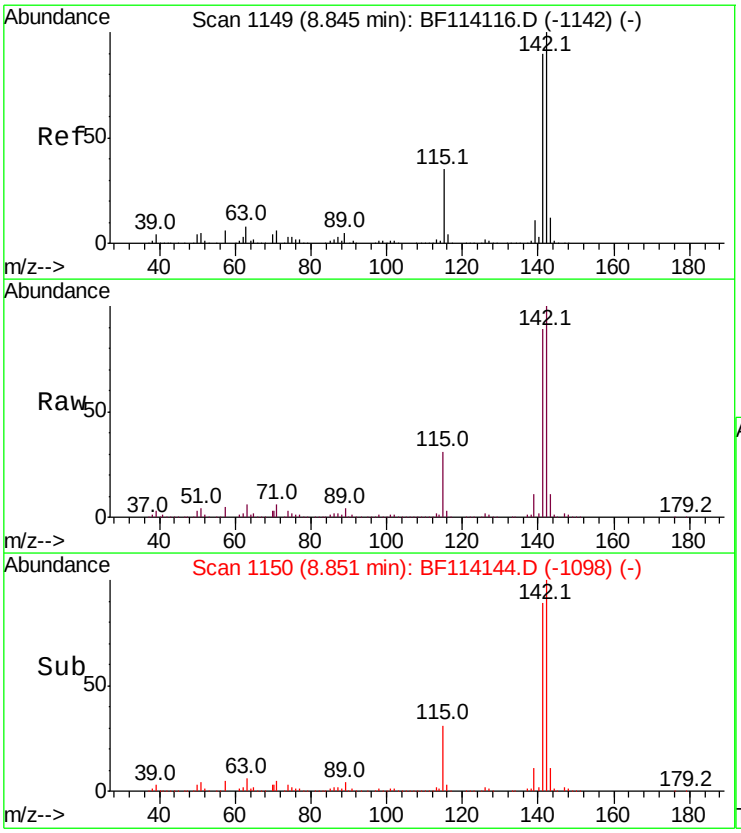
#33
4-Chloroaniline
Concen: 6.468 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:127 Resp: 131657

Ion	Ratio	Lower	Upper
127	100		
129	87.1	26.7	40.1#
65	0.0	25.4	38.0#
92	0.3	15.4	23.2#

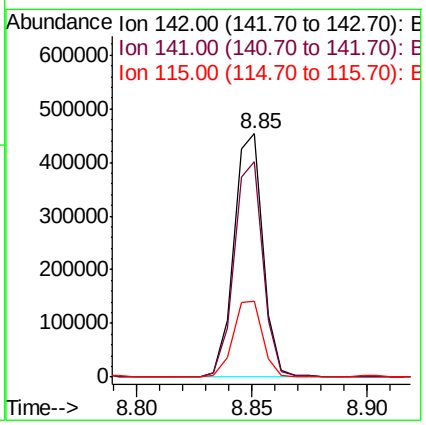


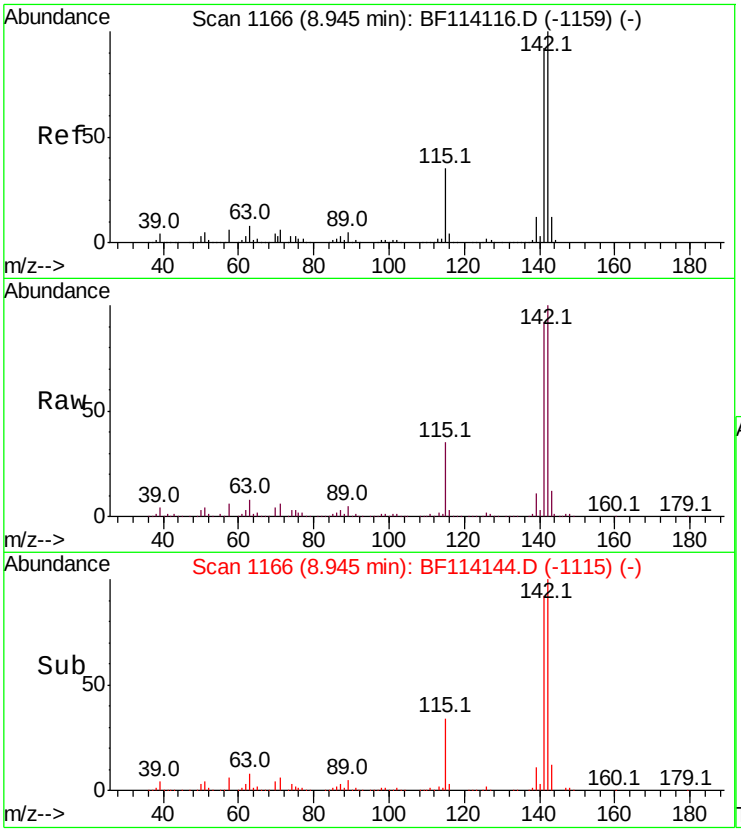


#37
2-Methylnaphthalene
Concen: 13.820 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:142 Resp: 398263

Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.1	108.1
115	31.1	28.0	42.0

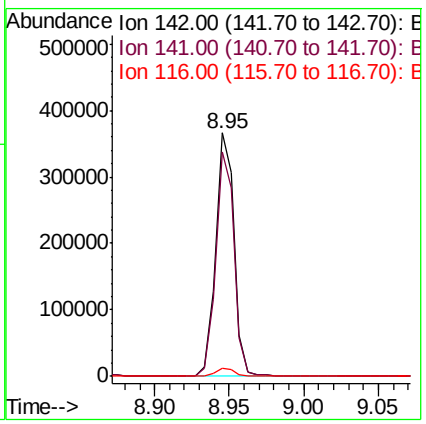




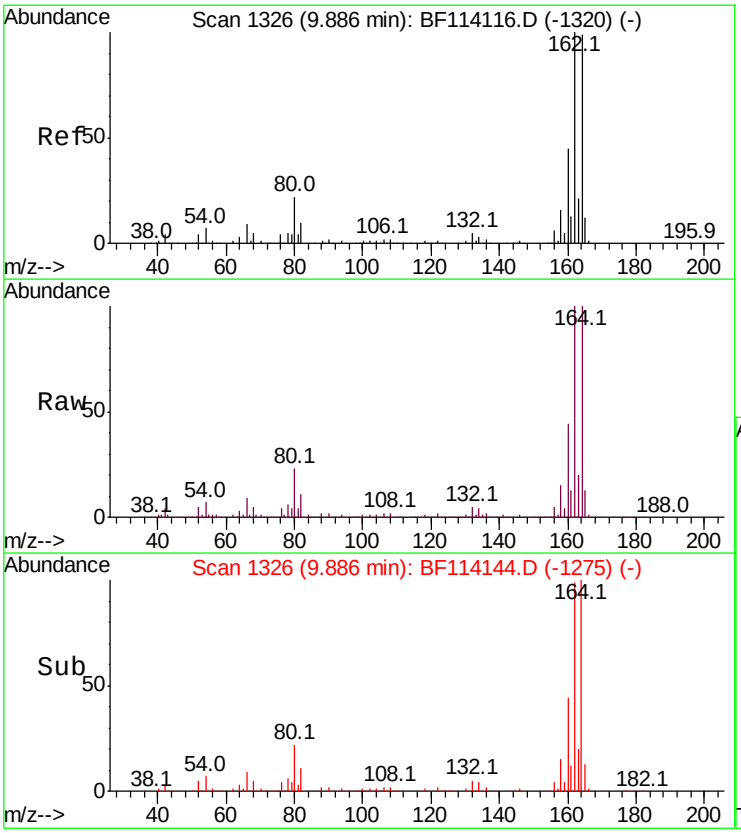
#38
1-Methylnaphthalene
Concen: 11.600 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:142 Resp: 314808

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.4	110.0
116	3.4	3.1	4.7



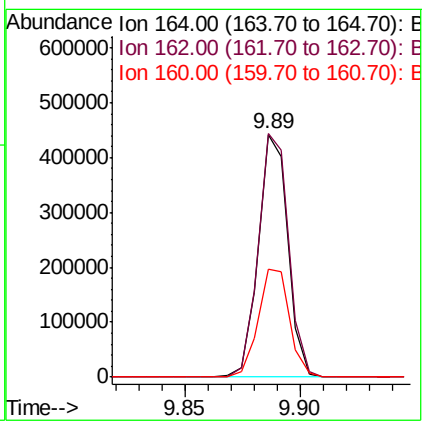
Instrument :
BNA_F
ClientSampleId :
OK-03-050919

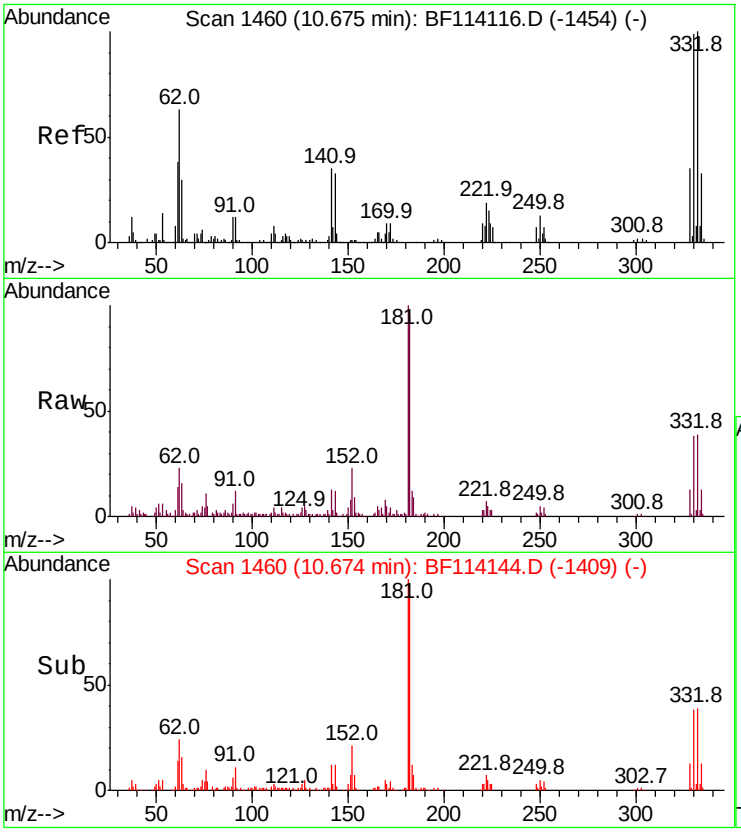


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:164 Resp: 394899

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	120.8
160	44.3	36.5	54.7



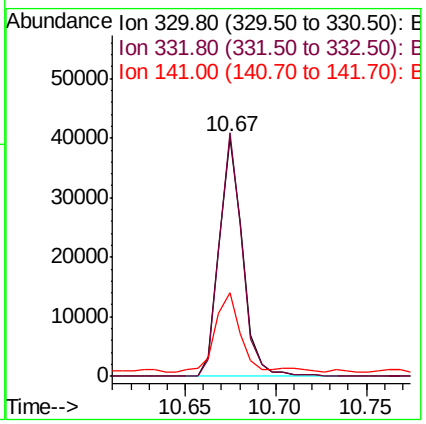


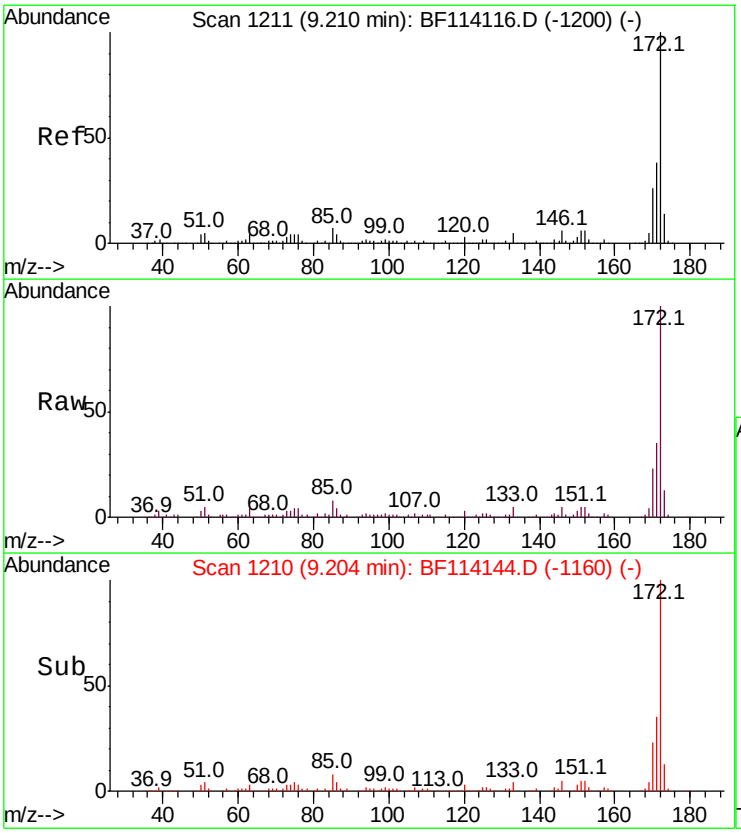
#42
2,4,6-Tribromophenol
Concen: 8.818 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.00 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:330 Resp: 36000

Ion	Ratio	Lower	Upper
330	100		
332	98.7	81.4	122.2
141	34.4	26.6	40.0

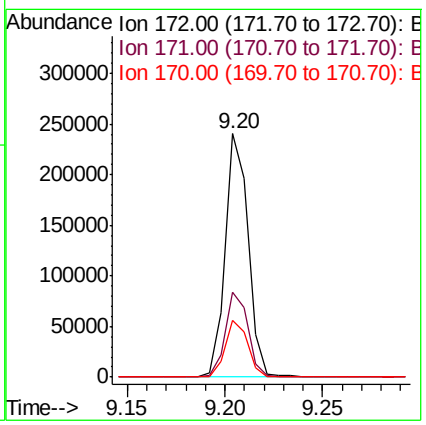


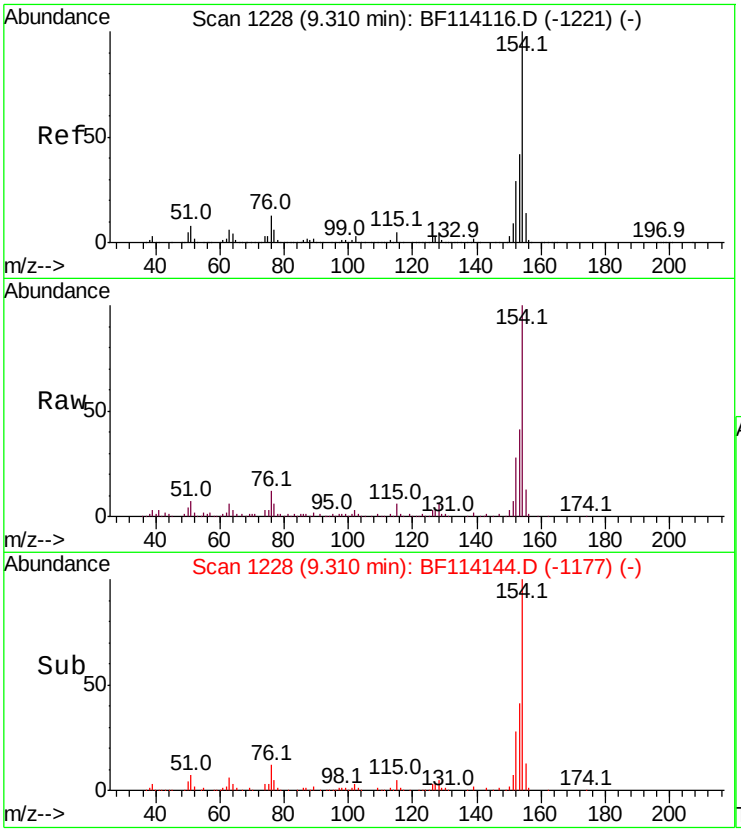


#45
2-Fluorobiphenyl
Concen: 7.491 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:172 Resp: 195567

Ion	Ratio	Lower	Upper
172	100		
171	35.0	30.7	46.1
170	23.0	20.5	30.7



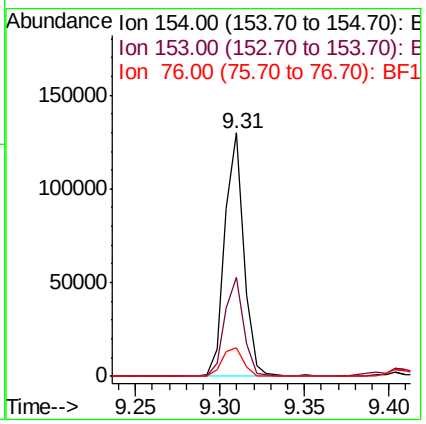


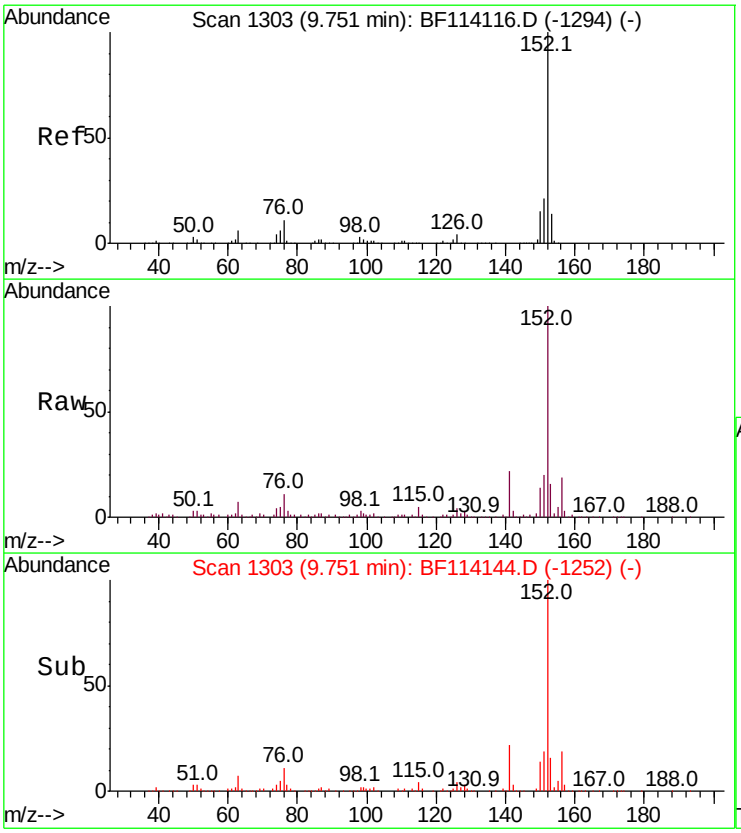
#46
1,1'-Biphenyl
Concen: 3.193 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.00 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:154 Resp: 101874

Ion	Ratio	Lower	Upper
154	100		
153	40.5	21.9	61.9
76	11.7	0.0	32.8

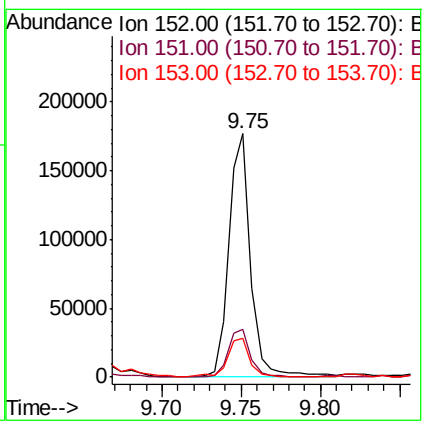


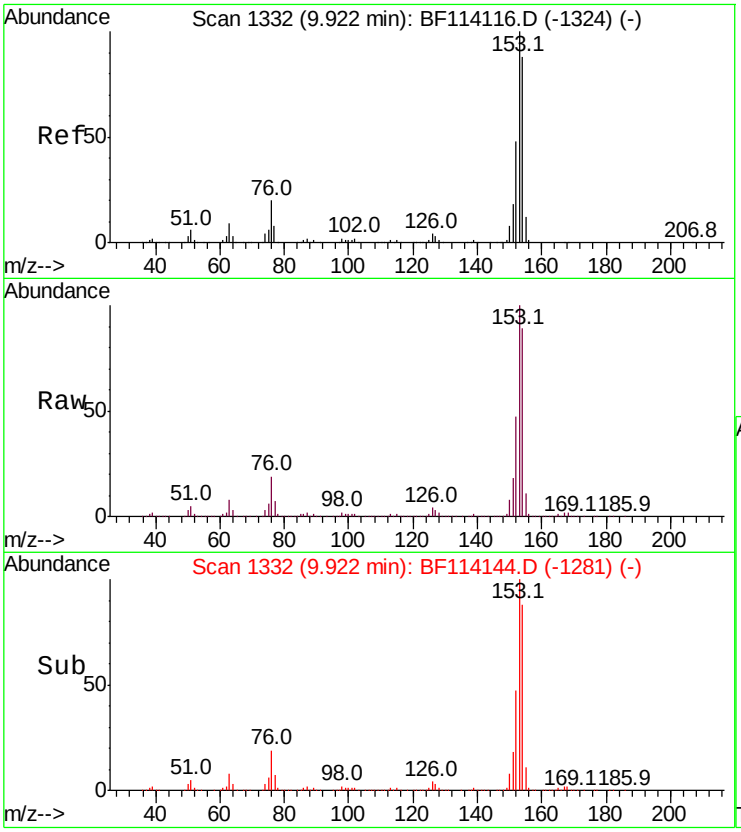


#49
Acenaphthylene
Concen: 4.232 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:152 Resp: 165254

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.8	25.2
153	15.8	11.4	17.2



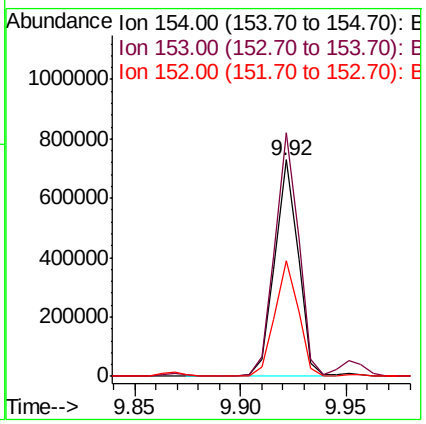


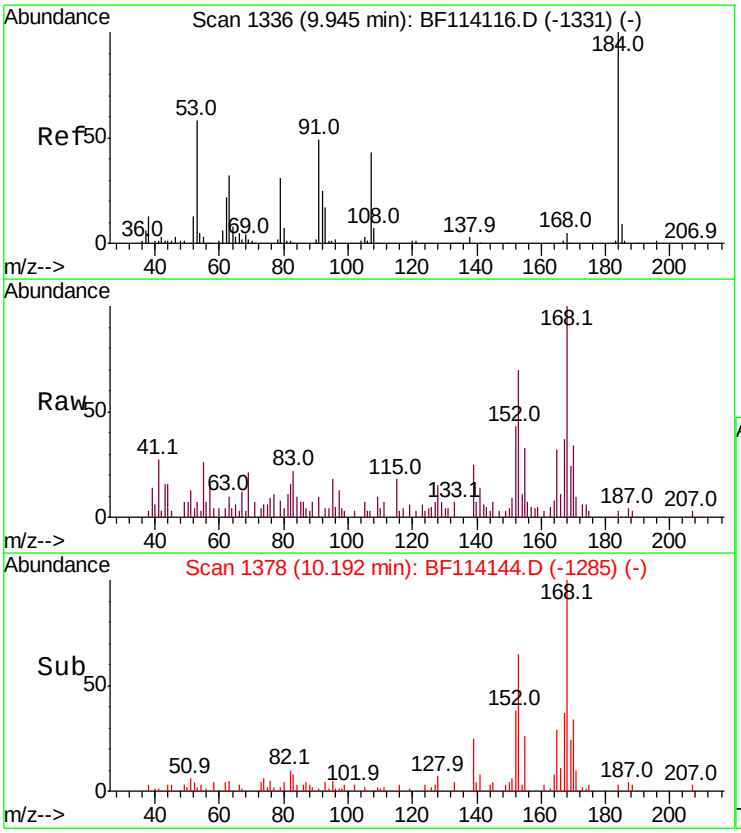
#52
Acenaphthene
Concen: 23.425 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:154 Resp: 561315

Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.5	135.7
152	53.3	43.4	65.2

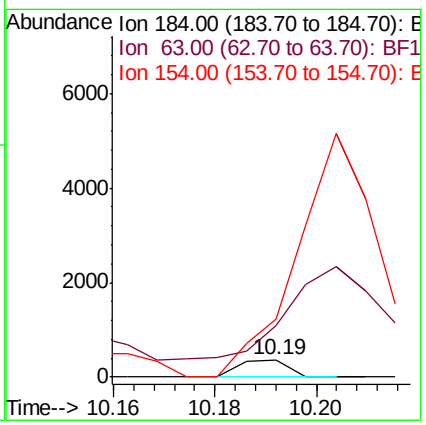


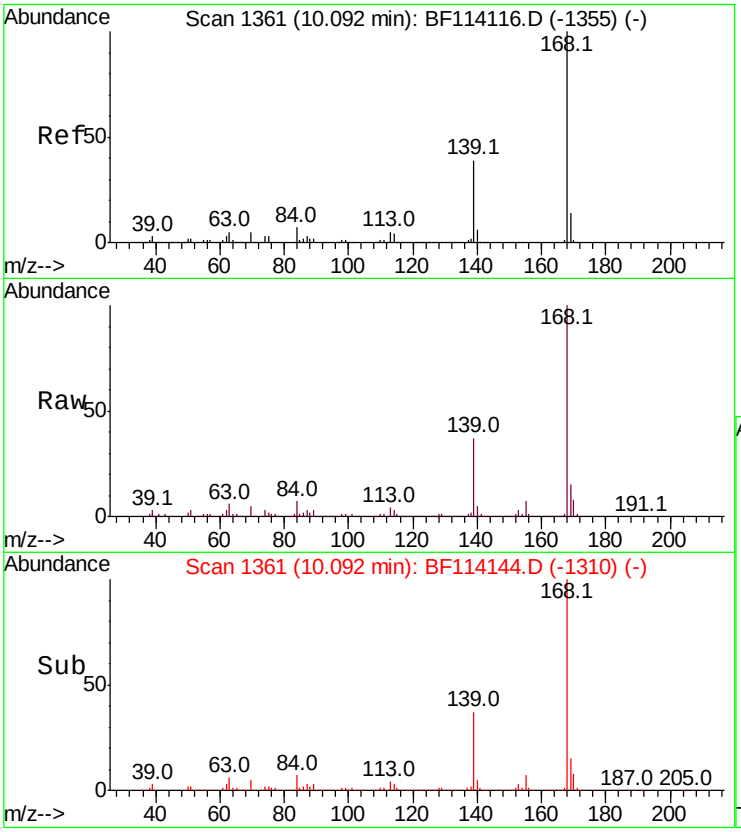


#54
2,4-Dinitrophenol
Concen: 6.816 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.25 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:184 Resp: 248

Ion	Ratio	Lower	Upper
184	100		
63	296.7	55.6	83.4#
154	336.4	46.0	69.0#



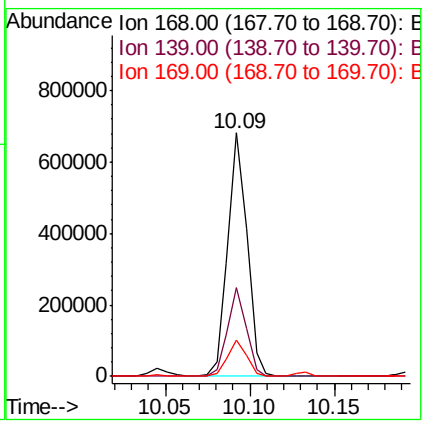


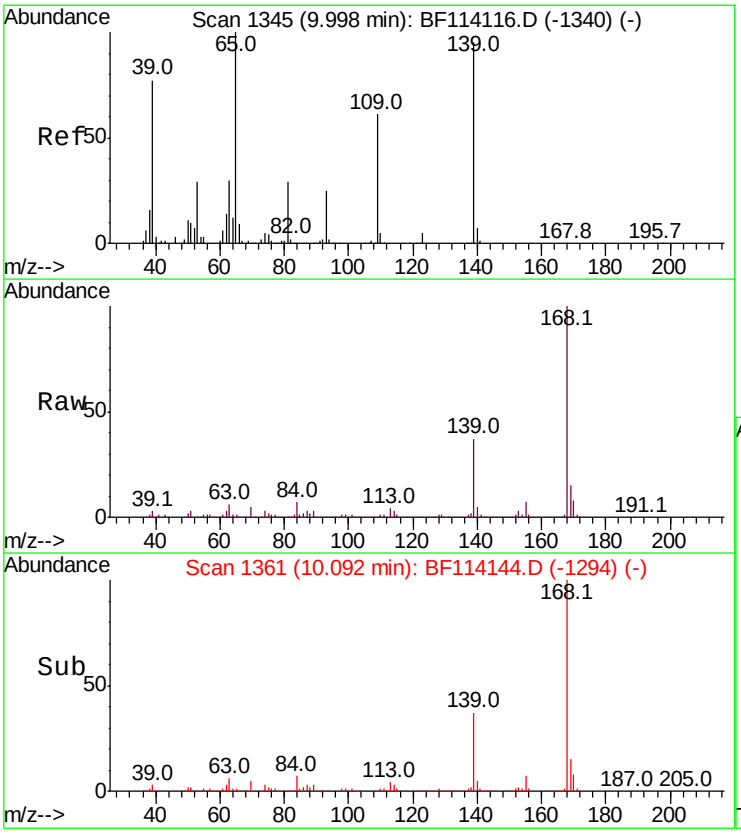
#55
Dibenzofuran
Concen: 15.383 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.00 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:168 Resp: 540506

Ion	Ratio	Lower	Upper
168	100		
139	36.6	31.1	46.7
169	14.7	11.4	17.0

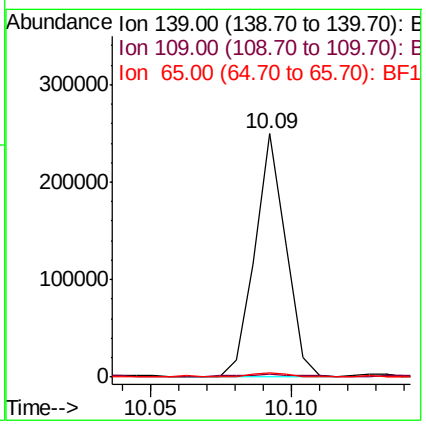


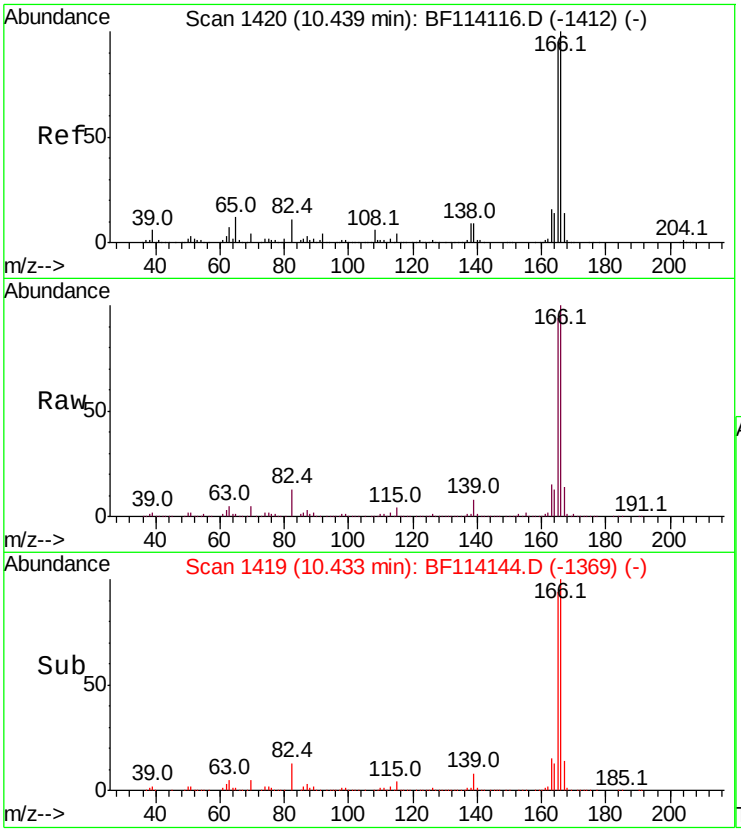


#56
4-Nitrophenol
Concen: 33.643 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.09 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:139 Resp: 189898

Ion	Ratio	Lower	Upper
139	100		
109	1.1	43.9	83.9#
65	2.0	85.7	125.7#



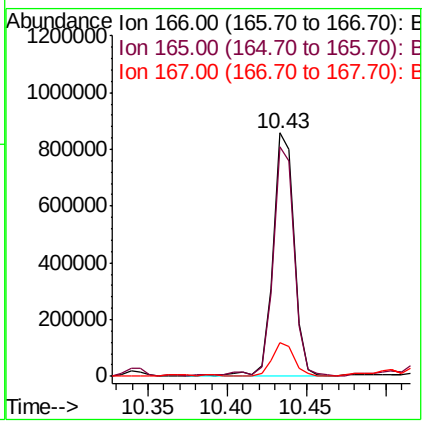


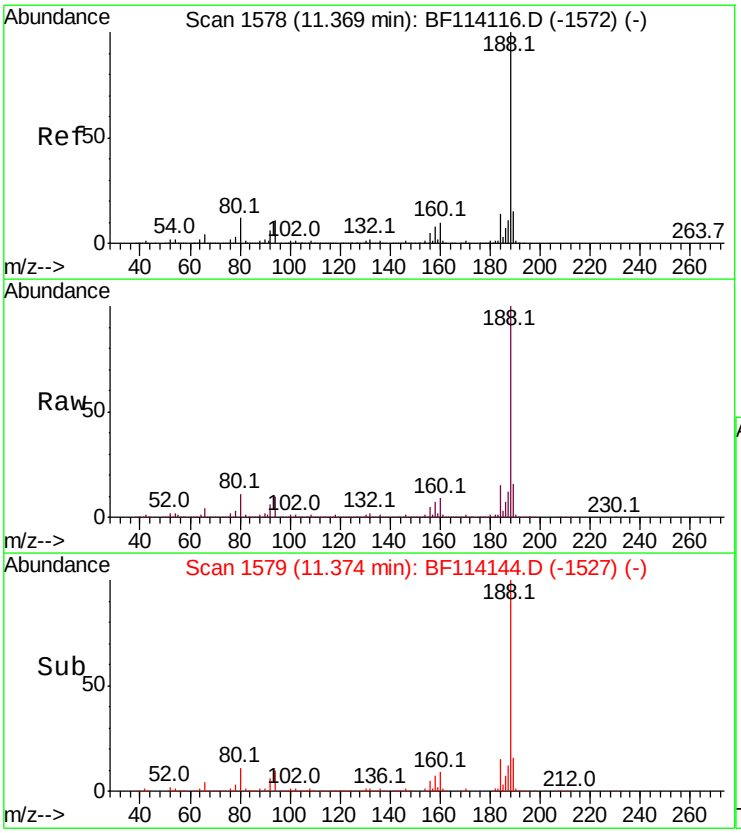
#58
Fluorene
Concen: 29.244 ng
RT: 10.43 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:166 Resp: 793694

Ion	Ratio	Lower	Upper
166	100		
165	94.3	76.1	114.1
167	14.1	11.1	16.7

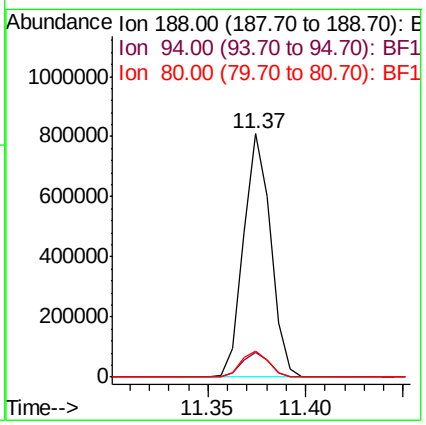


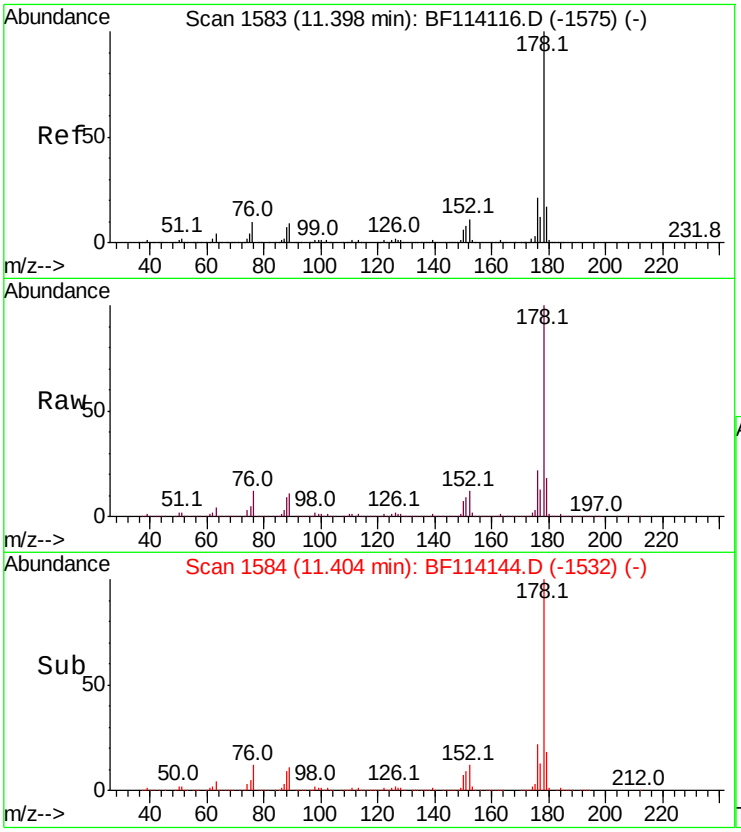


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:188 Resp: 781300

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.4	12.6
80	10.9	9.2	13.8



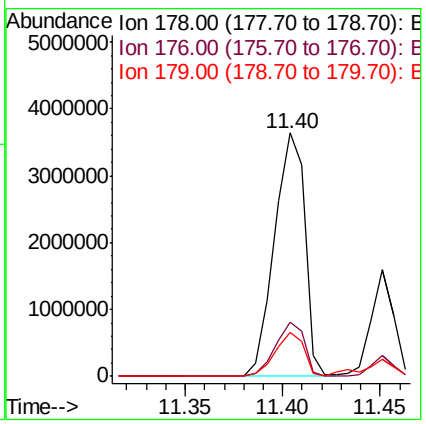


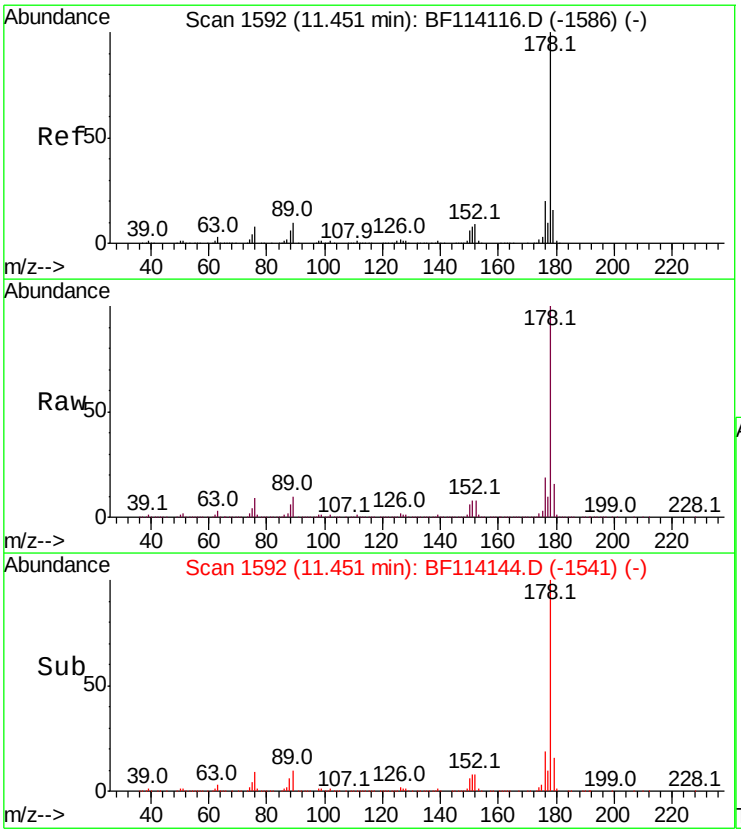
#71
Phenanthrene
Concen: 103.410 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:178 Resp: 3930731

Ion	Ratio	Lower	Upper
178	100		
176	22.4	16.4	24.6
179	17.9	13.2	19.8

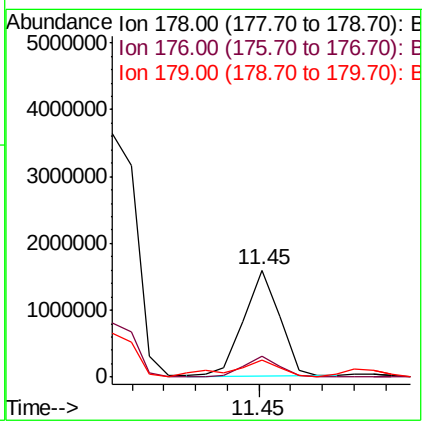


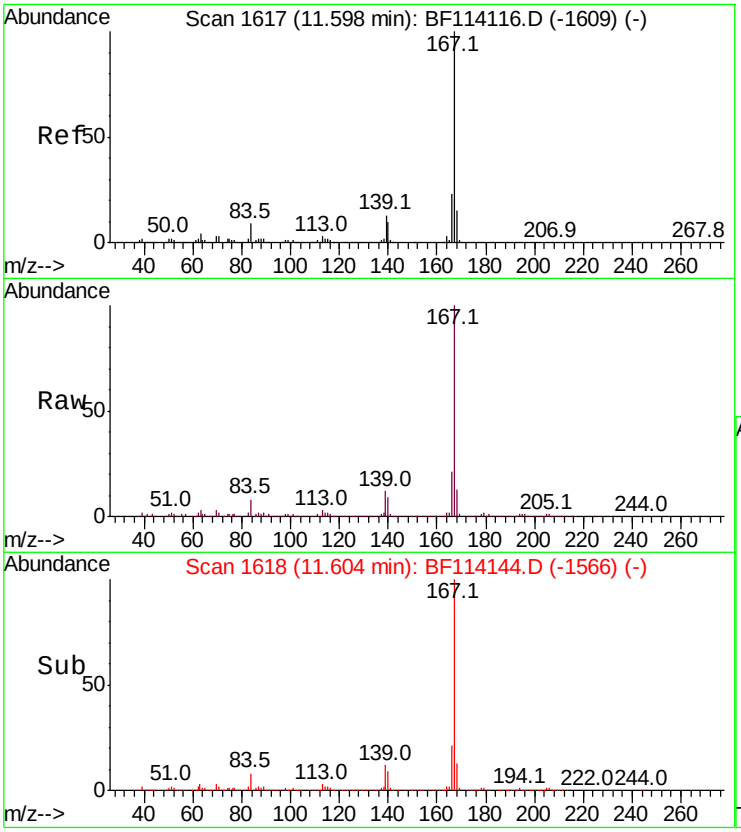


#72
Anthracene
Concen: 32.630 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.00 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:178 Resp: 1245792

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.8	13.0	19.4



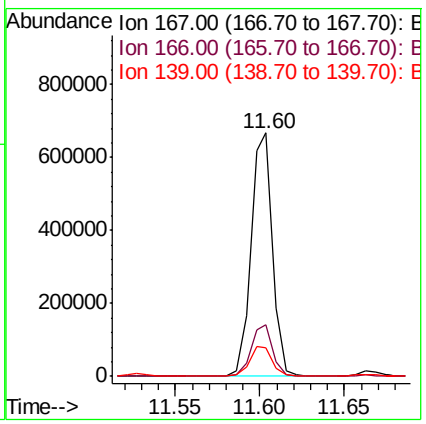


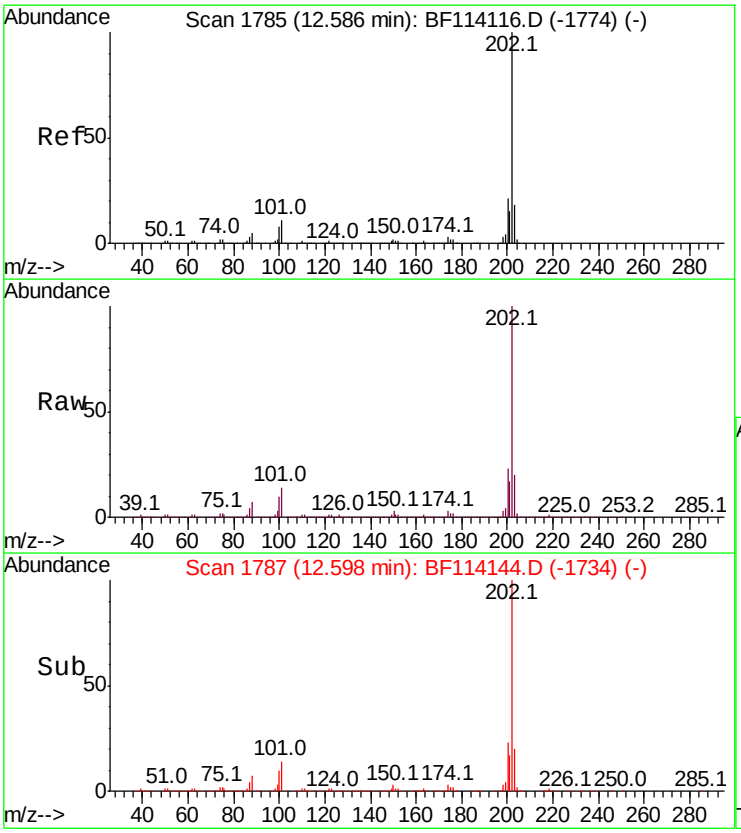
#73
Carbazole
Concen: 16.215 ng
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:167 Resp: 590338

Ion	Ratio	Lower	Upper
167	100		
166	21.0	18.2	27.2
139	11.7	10.6	16.0

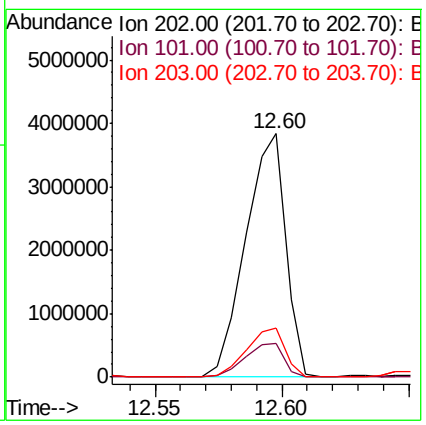


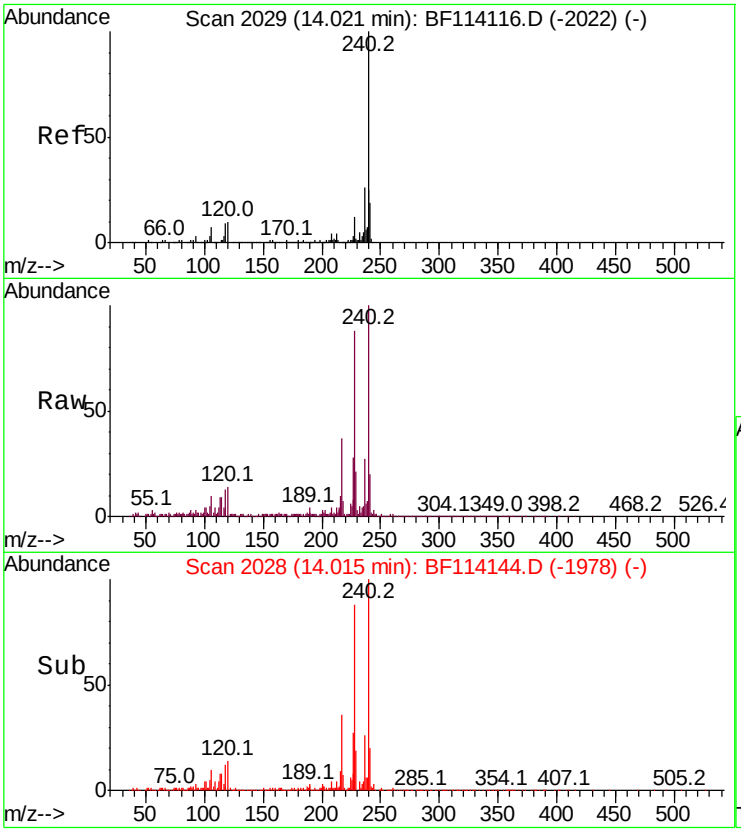


#75
Fluoranthene
Concen: 103.302 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:202 Resp: 4228482

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	31.0
203	20.3	0.0	38.4



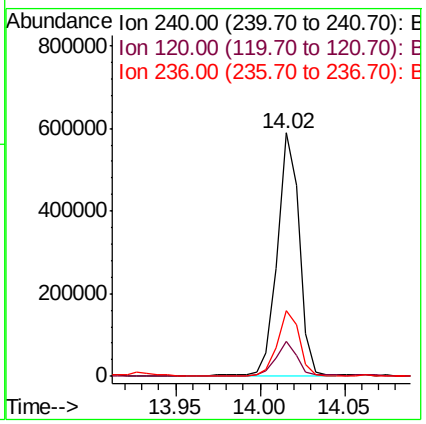


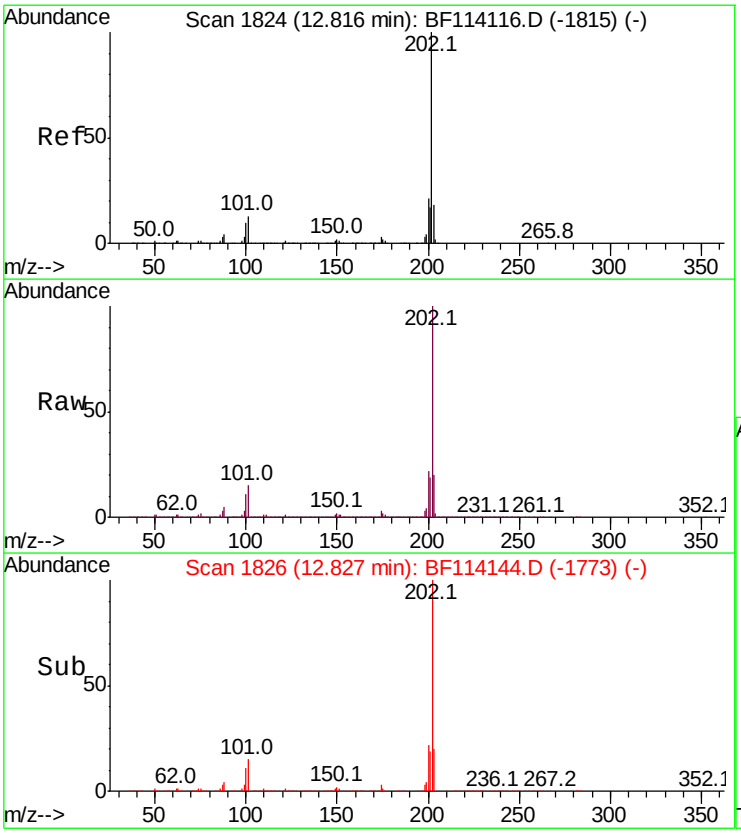
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:240 Resp: 527885

Ion	Ratio	Lower	Upper
240	100		
120	14.2	8.3	12.5#
236	26.7	20.8	31.2

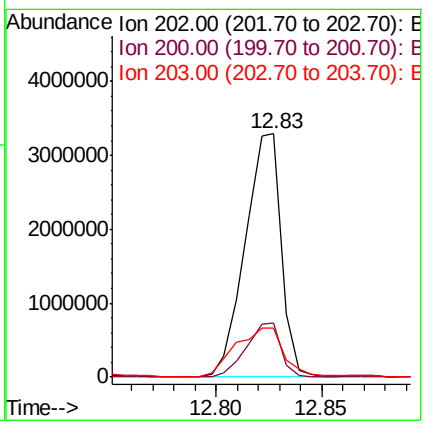


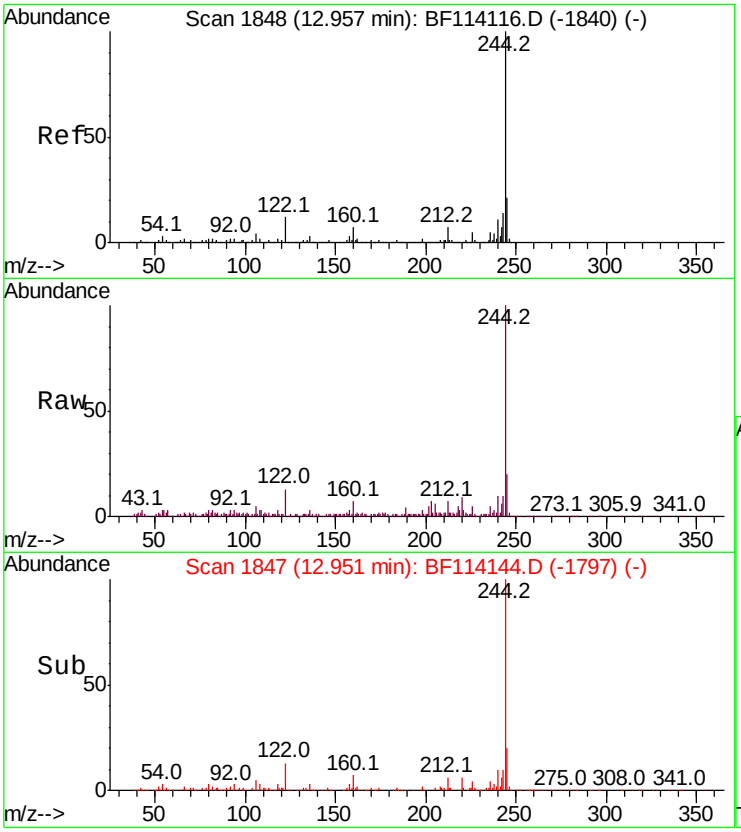


#78
Pyrene
Concen: 92.179 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:202 Resp: 3914442

Ion	Ratio	Lower	Upper
202	100		
200	22.3	16.9	25.3
203	19.9	14.5	21.7



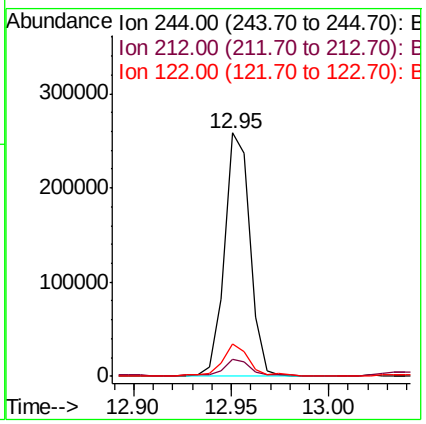


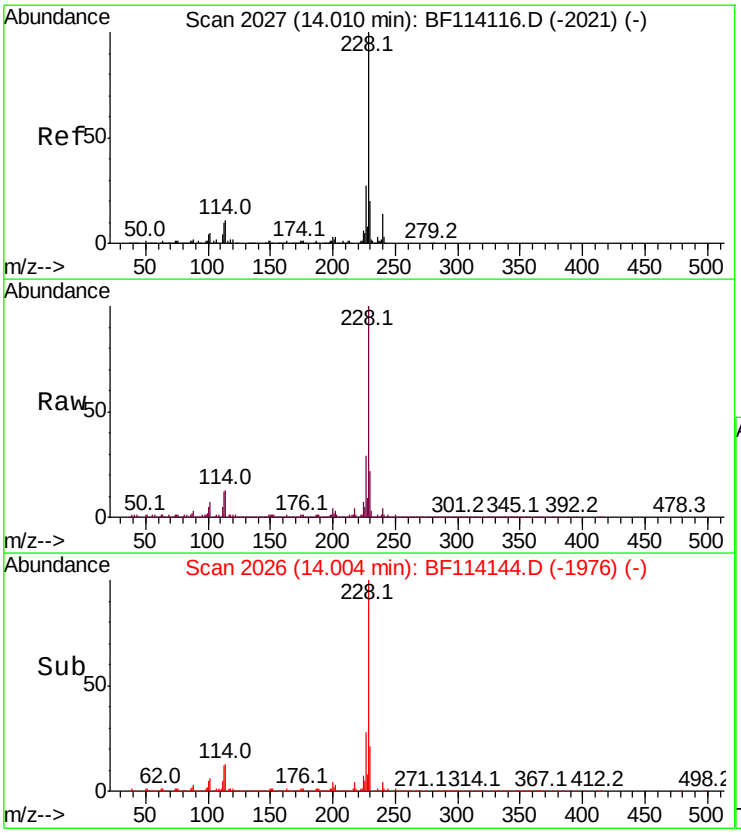
#79
Terphenyl-d14
Concen: 9.085 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:244 Resp: 232643

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	13.2	9.4	14.2

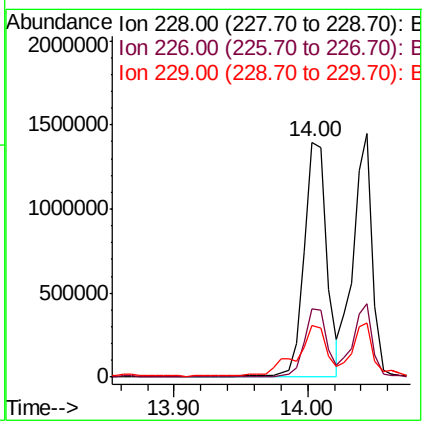


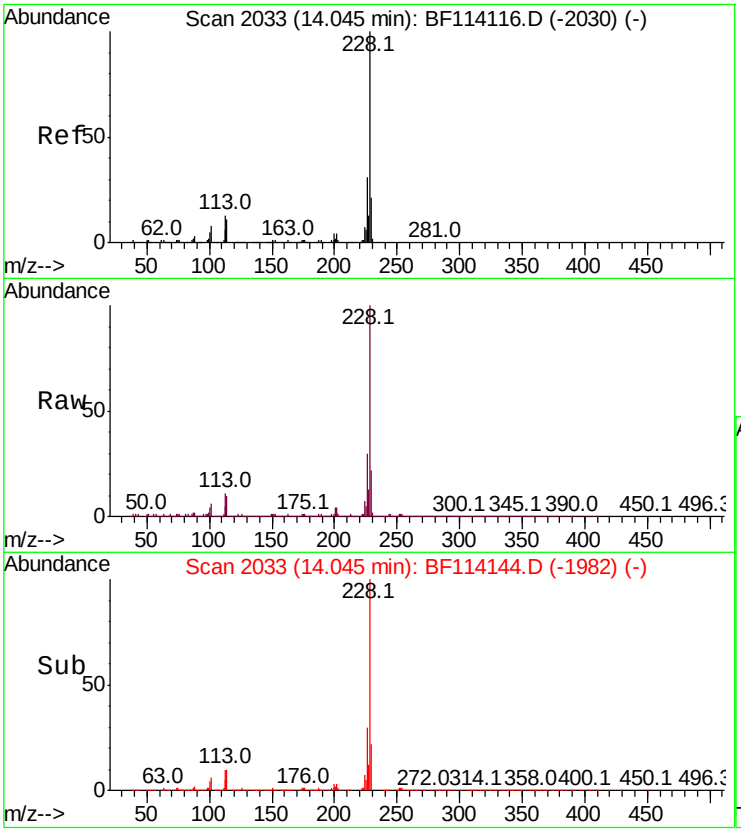


#81
Benzo(a)anthracene
Concen: 46.927 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:228 Resp: 1602254

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.2	33.2
229	21.8	16.4	24.6



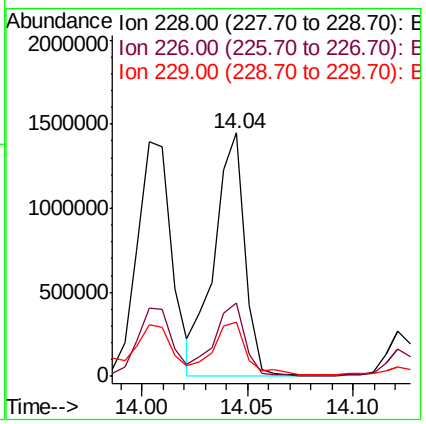


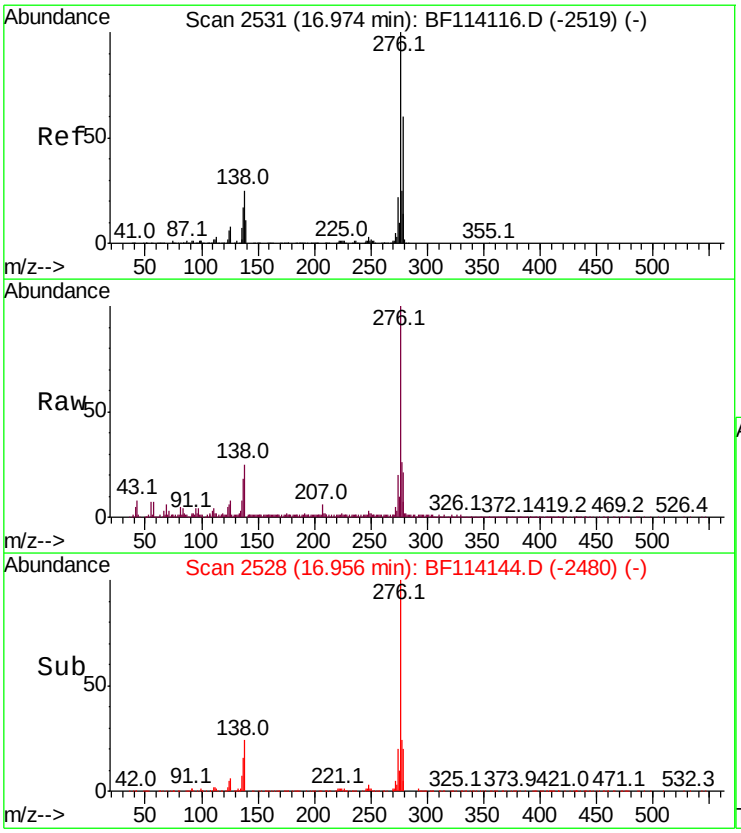
#83
Chrysene
Concen: 42.939 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:228 Resp: 1437167

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.5	17.0	25.6

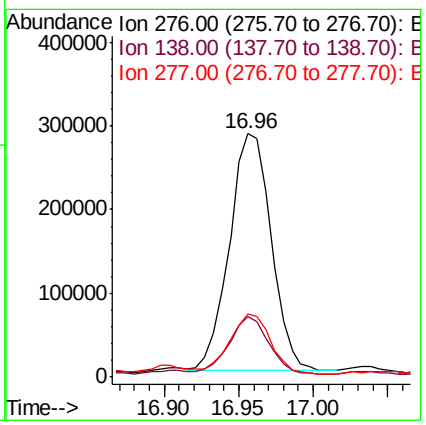


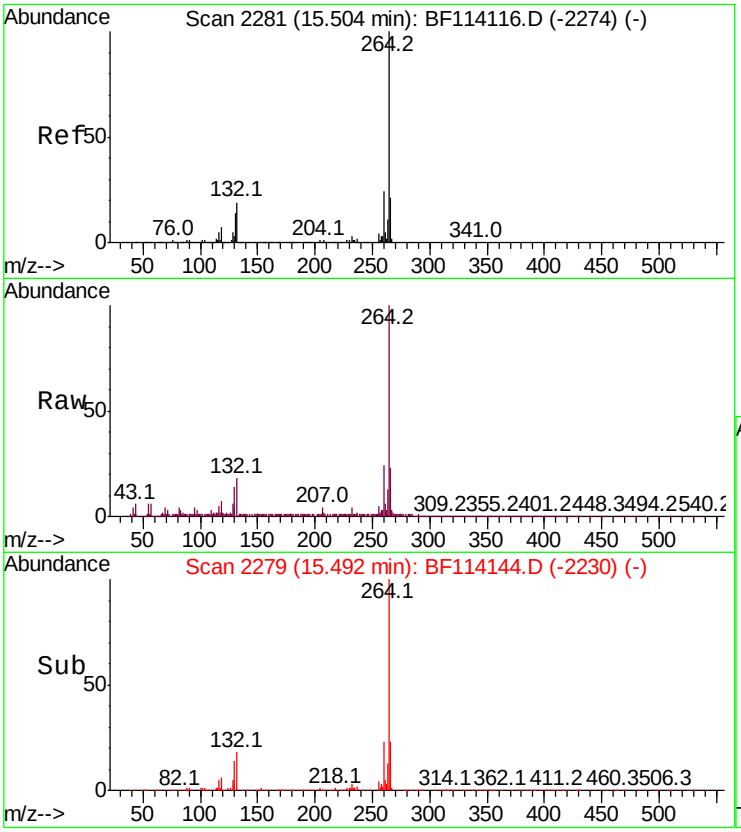


#86
Indeno(1,2,3-cd)pyrene
Concen: 18.606 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:276 Resp: 550379

Ion	Ratio	Lower	Upper
276	100		
138	23.1	20.2	30.2
277	24.8	20.0	30.0



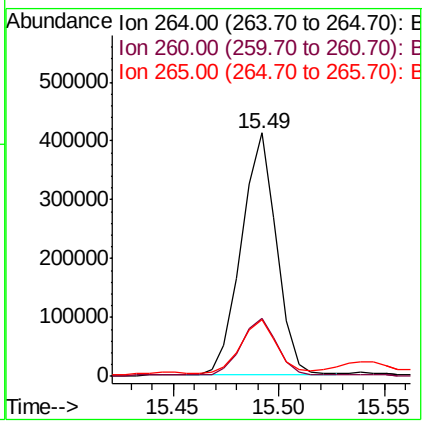


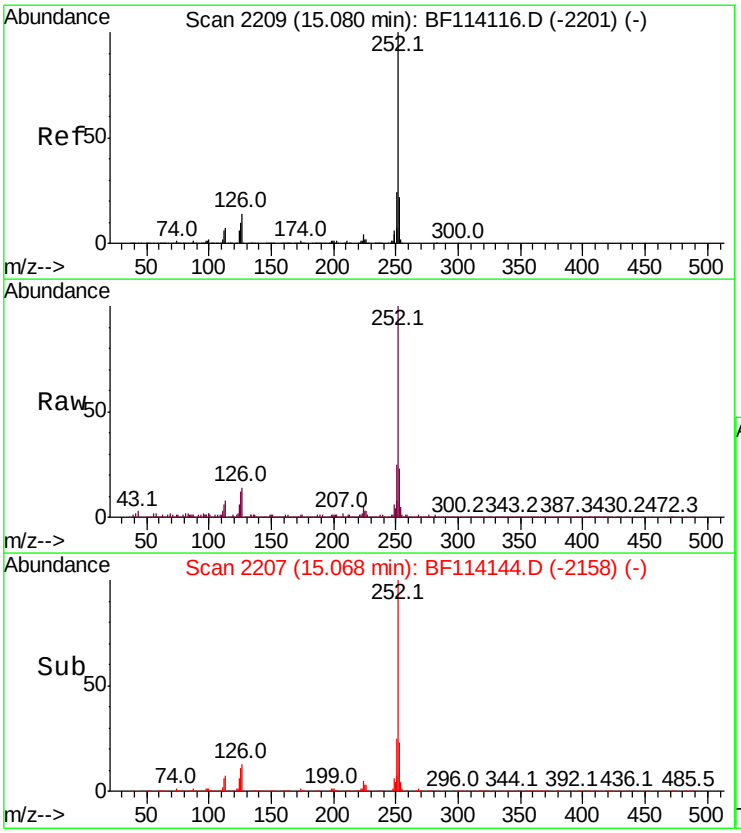
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:264 Resp: 478539

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	23.3	16.9	25.3

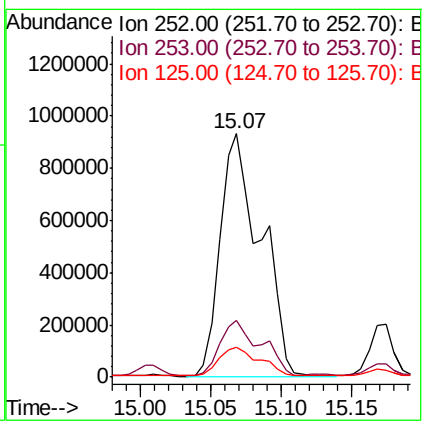


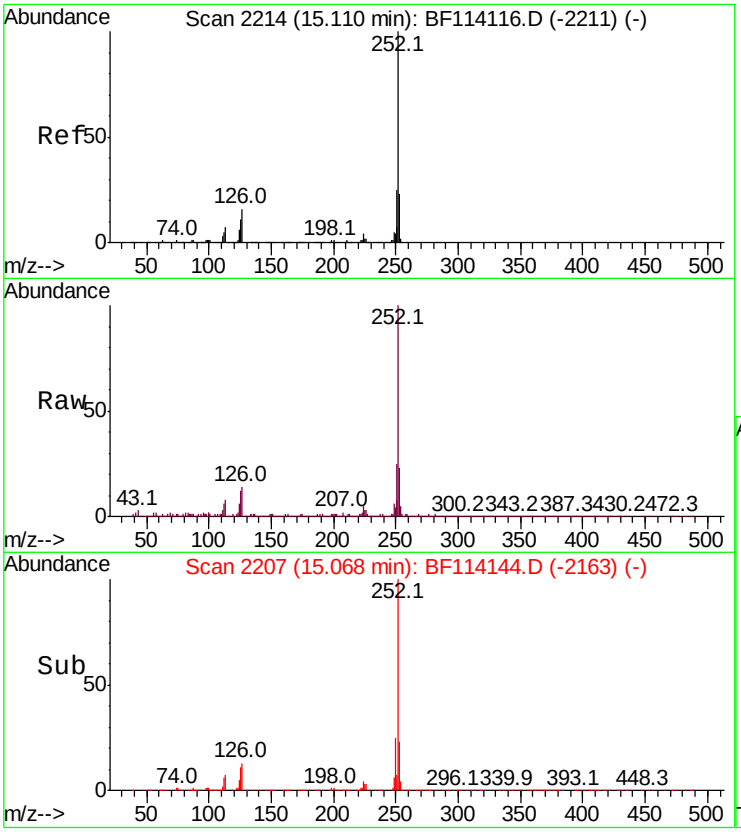


#88
Benzo(b)fluoranthene
Concen: 60.796 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:252 Resp: 1863870

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	12.0	8.3	12.5



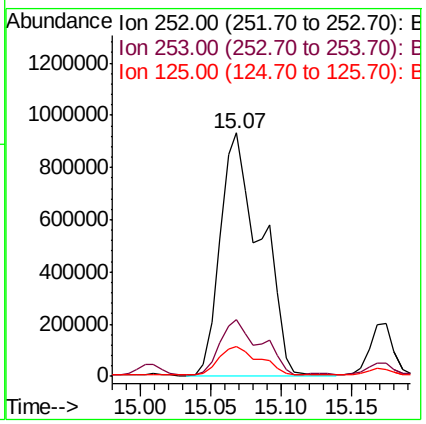


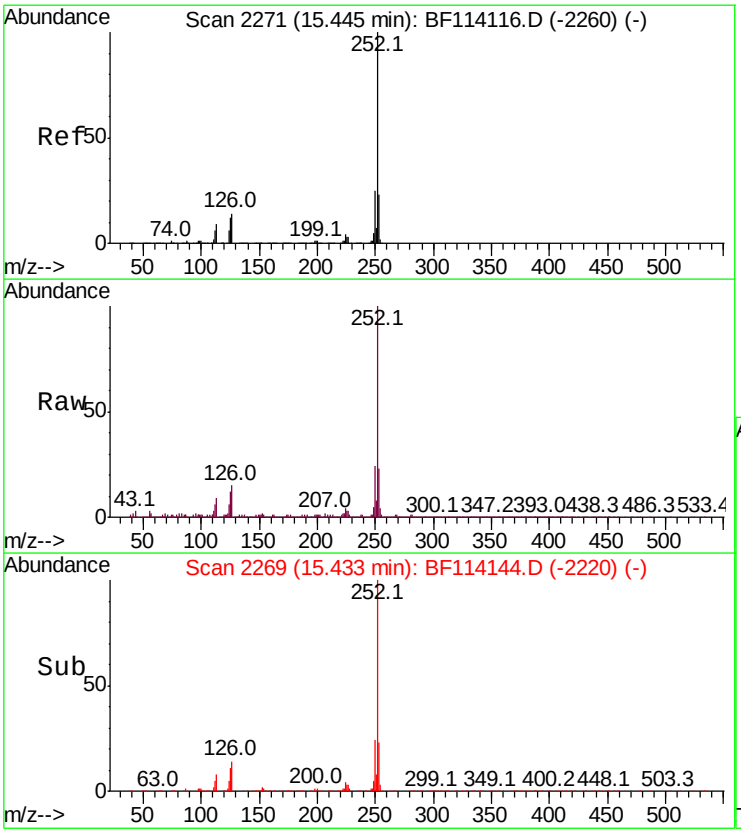
#89
Benzo(k)fluoranthene
Concen: 66.183 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.04 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:252 Resp: 1863870

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	12.0	8.6	13.0

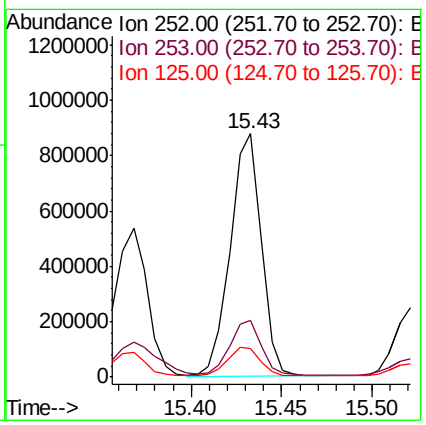


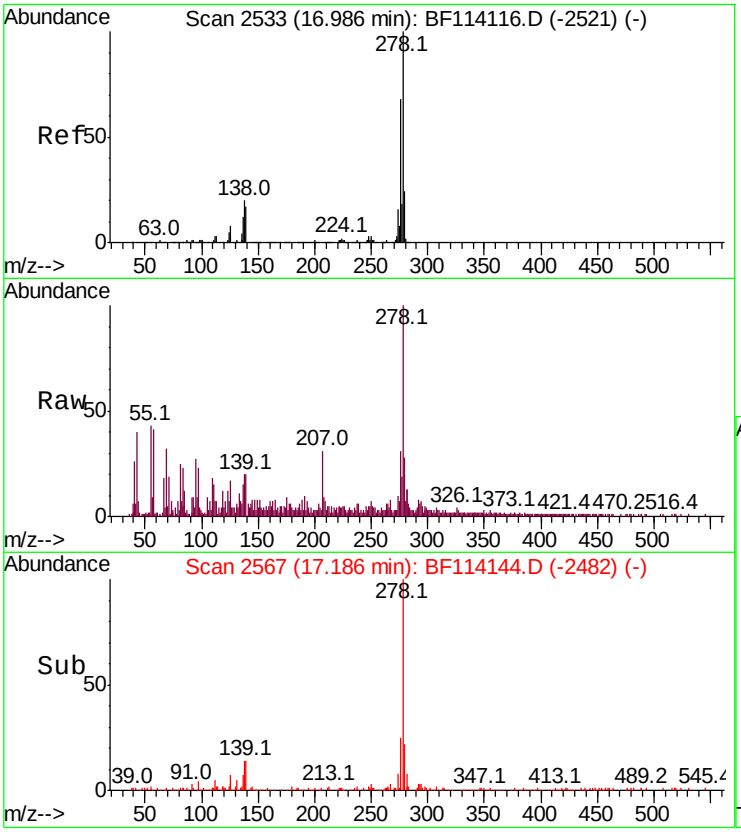


#90
Benzo(a)pyrene
Concen: 38.676 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:252 Resp: 1043525

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	11.6	9.5	14.3



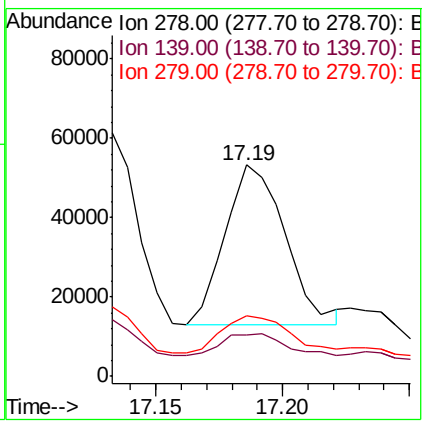


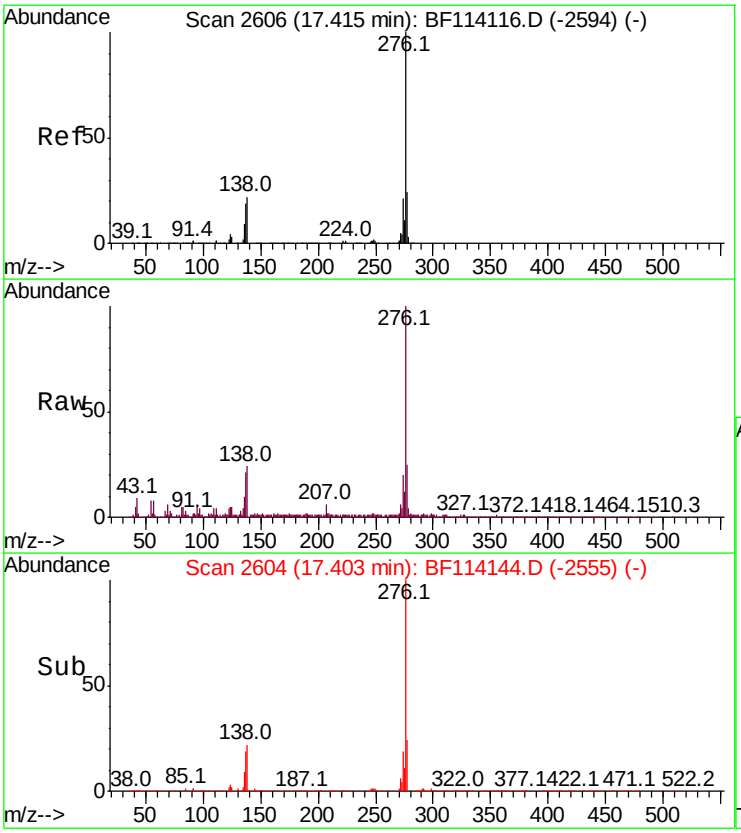
#91
Dibenzo(a,h)anthracene
Concen: 2.969 ng
RT: 17.19 min Scan# 2567
Delta R.T. 0.20 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Instrument :
BNA_F
ClientSampleId :
OK-03-050919

Tgt Ion:278 Resp: 66569

Ion	Ratio	Lower	Upper
278	100		
139	19.9	13.5	20.3
279	28.5	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 24.990 ng
RT: 17.40 min Scan# 2604
Delta R.T. -0.01 min
Lab File: BF114144.D
Acq: 11 May 2019 1:52

Tgt Ion:276 Resp: 561498

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.0	28.4
138	23.5	17.8	26.6