Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
Data File : BF114247.D
Acq On : 14 May 2019 00:06
Operator : JU/SJ
Sample : K2642-03DL 20X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-050919DL

Quant Time: May 14 04:51:07 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	242276	20.00	ng		0.00
21) Naphthalene-d8	8.13	136	979749	20.00	ng		0.00
39) Acenaphthene-d10	9.89	164	459640	20.00	ng		0.00
64) Phenanthrene-d10	11.38	188	814962	20.00	ng		0.01
76) Chrysene-d12	14.02	240	580762	20.00	ng		0.00
87) Perylene-d12	15.51	264	571552	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	54241	3.60	ng		0.01
7) Phenol-d6	6.50	99	77474	4.35	ng		0.01
23) Nitrobenzene-d5	7.42	82	41342	2.37	ng		0.00
42) 2,4,6-Tribromophenol	10.68	330	15540	3.27	ng		0.00
45) 2-Fluorobiphenyl	9.20	172	90536	2.98	ng		0.00
79) Terphenyl-d14	12.96	244	77590	2.75	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.16	128	445614	9.737	ng		98
32) Benzoic acid	7.94	122	1640	7.166	ng	#	62
33) 4-Chloroaniline	8.16	127	57103	2.738	ng	#	34
37) 2-Methylnaphthalene	8.85	142	185607	6.286	ng		95
38) 1-Methylnaphthalene	8.95	142	145025	5.215	ng		97
51) 2,6-Dinitrotoluene	9.89	165	64865	8.667	ng	#	22
52) Acenaphthene	9.92	154	279212	10.011	ng		99
55) Dibenzofuran	10.09	168	268742	6.571	ng		96
56) 4-Nitrophenol	10.09	139	92753	14.118	ng	#	7
58) Fluorene	10.44	166	392679	12.430	ng		98
71) Phenanthrene	11.40	178	1948545	49.145	ng		99
72) Anthracene	11.45	178	538946	13.533	ng		98
73) Carbazole	11.61	167	242506	6.386	ng		96
75) Fluoranthene	12.60	202	1797853	42.107	ng		99
78) Pyrene	12.83	202	1614235	34.552	ng		99
81) Benzo(a)anthracene	14.01	228	720037	19.169	ng		99
83) Chrysene	14.05	228	662823	18.000	ng		98
86) Indeno(1,2,3-cd)pyrene	16.99	276	241446	7.419	ng		96
88) Benzo(b)fluoranthene	15.07	252	962098	26.275	ng	#	97
89) Benzo(k)fluoranthene	15.07	252	962098	28.603	ng		98
90) Benzo(a)pyrene	15.44	252	519711	16.127	ng		99
91) Dibenzo(a,h)anthracene	16.99	278	60085	2.244	ng	#	81
92) Benzo(g,h,i)perylene	17.44	276	236068	8.797	ng		99

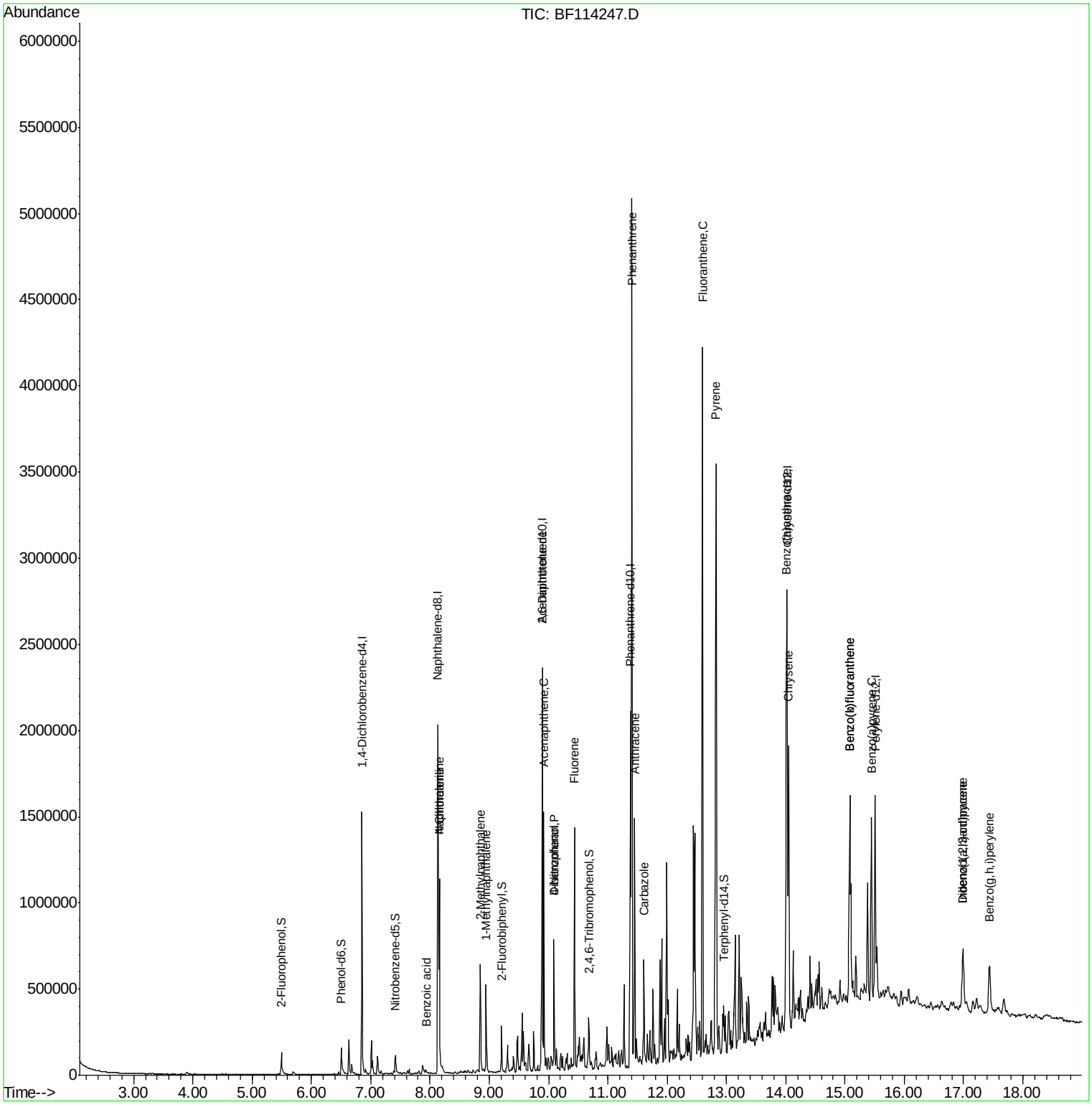
(#) = qualifier out of range (m) = manual integration (+) = signals summed

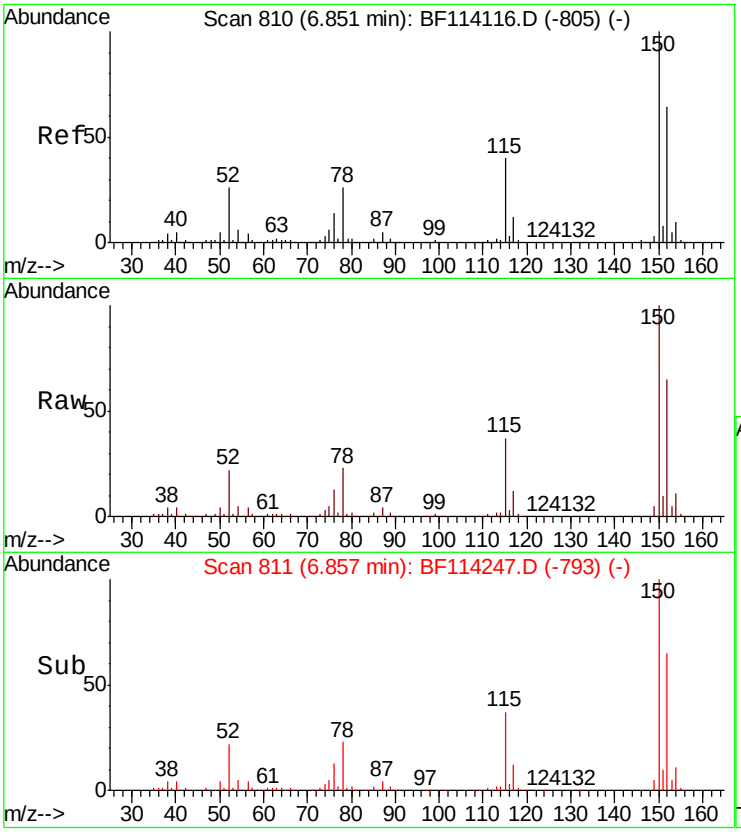
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051319\
Data File : BF114247.D
Acq On : 14 May 2019 00:06
Operator : JU/SJ
Sample : K2642-03DL 20X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Quant Time: May 14 04:51:07 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



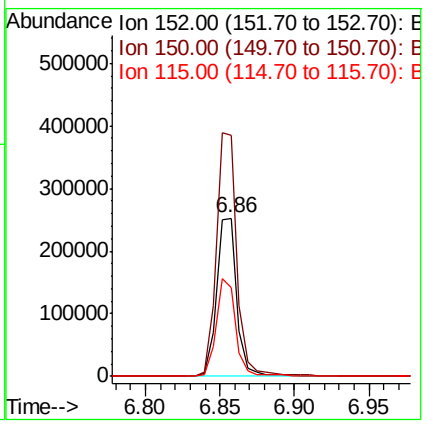


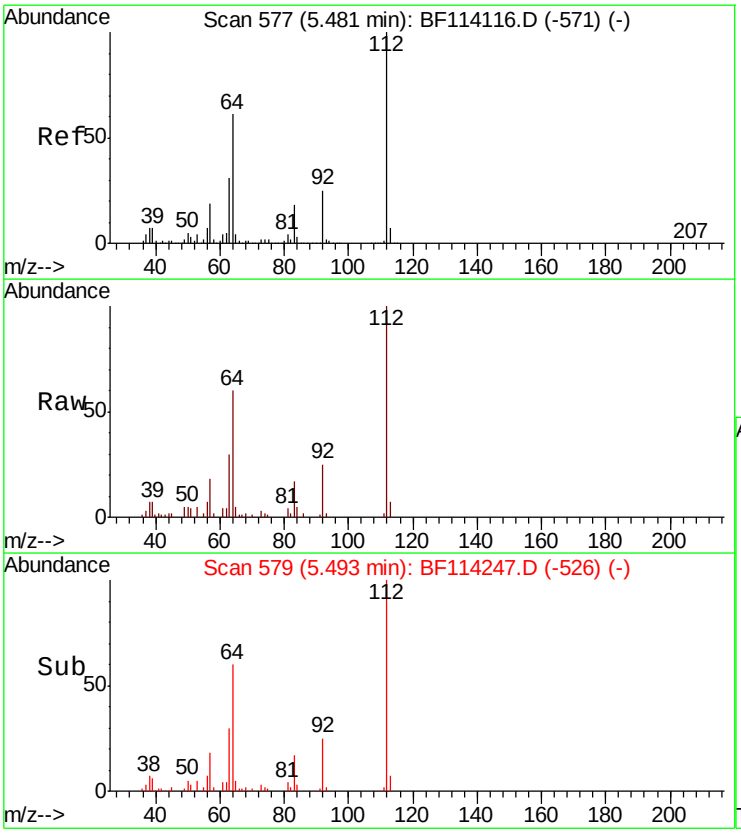
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:152 Resp: 242276

Ion	Ratio	Lower	Upper
152	100		
150	152.8	124.3	186.5
115	56.5	49.1	73.7

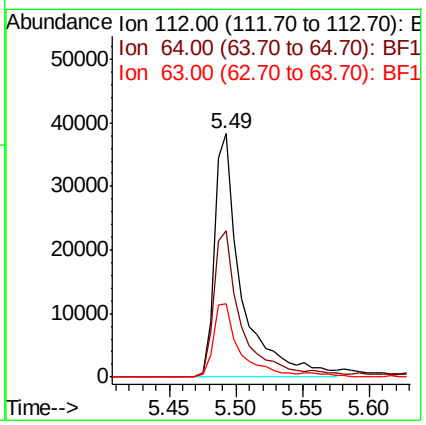


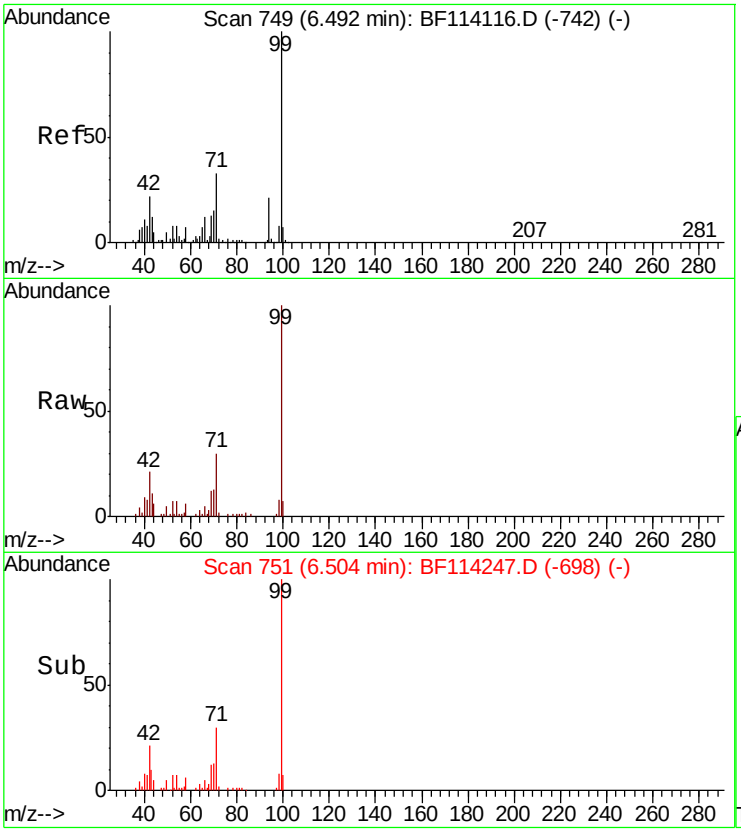


#5
2-Fluorophenol
Concen: 3.603 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:112 Resp: 54241

Ion	Ratio	Lower	Upper
112	100		
64	60.1	49.0	73.6
63	30.2	24.6	37.0



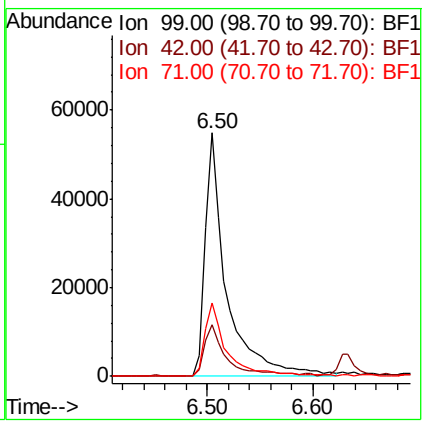


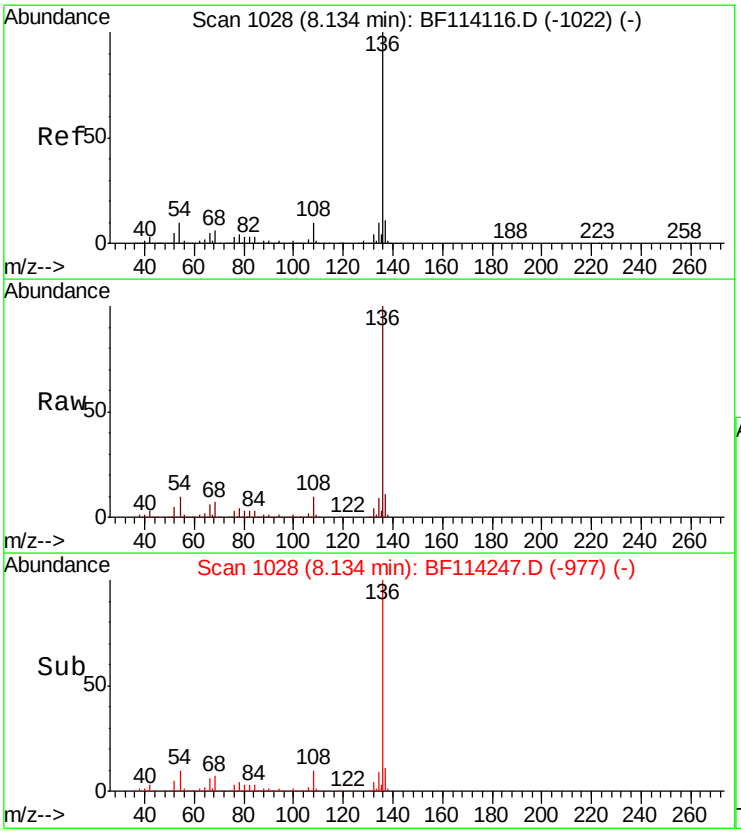
#7
Phenol-d6
Concen: 4.351 ng
RT: 6.50 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion: 99 Resp: 77474

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.9	26.9
71	30.1	26.2	39.2

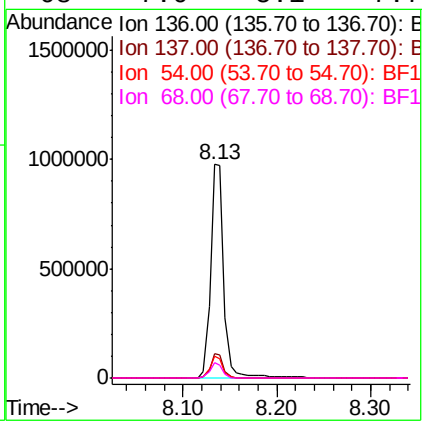


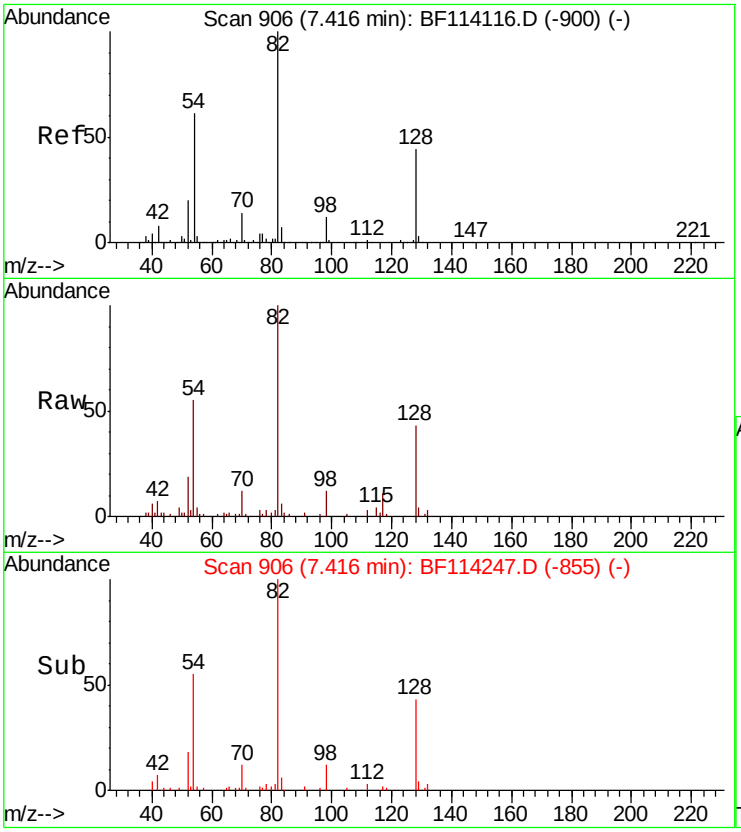


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:136 Resp: 979749

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	10.3	7.8	11.8
68	7.0	5.1	7.7



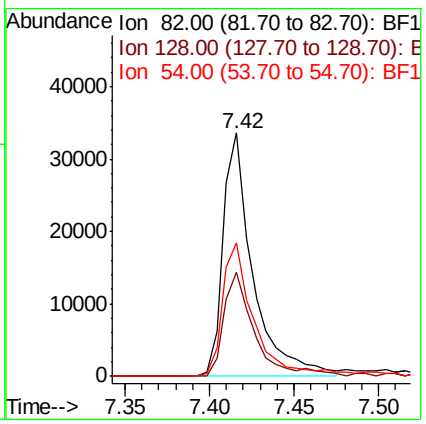


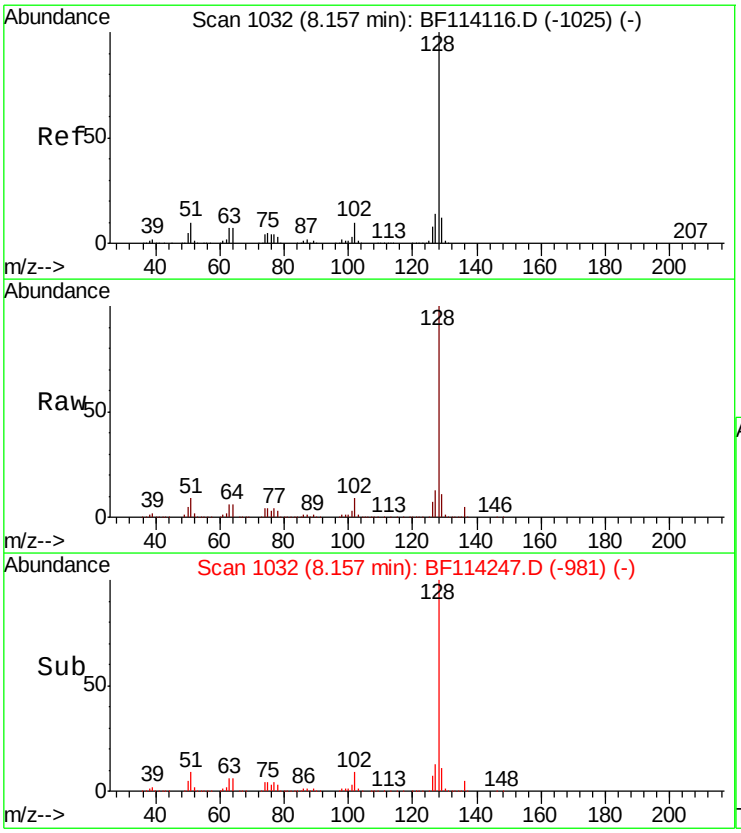
#23
Nitrobenzene-d5
Concen: 2.368 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion: 82 Resp: 41342

Ion	Ratio	Lower	Upper
82	100		
128	42.8	35.5	53.3
54	55.0	48.5	72.7

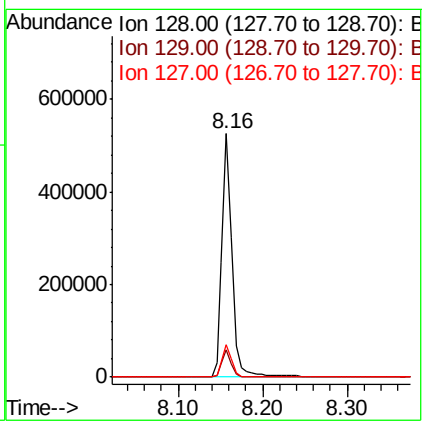


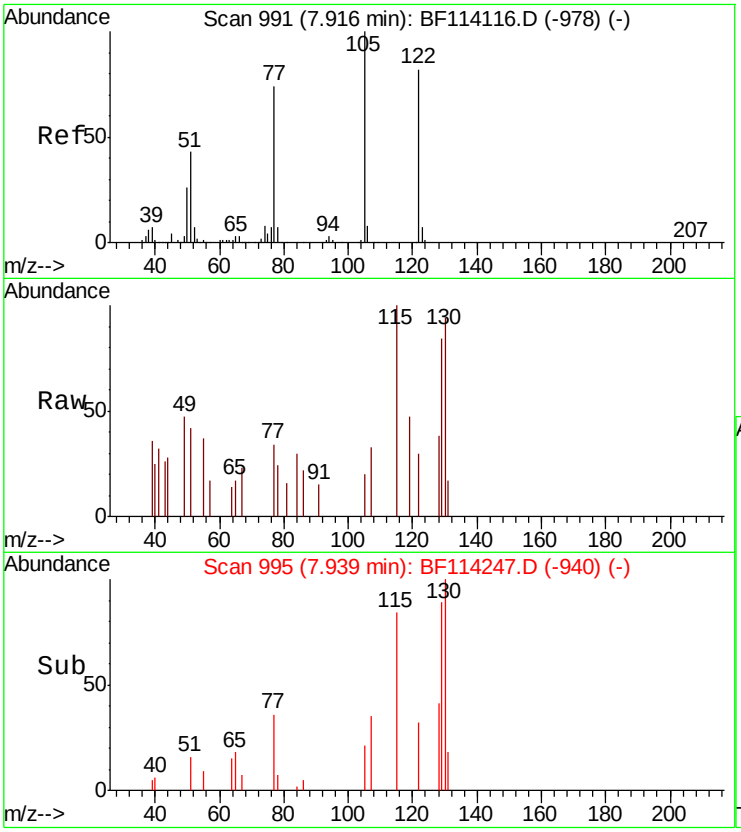


#31
Naphthalene
Concen: 9.737 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:128 Resp: 445614

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.6	14.4
127	13.2	11.3	16.9



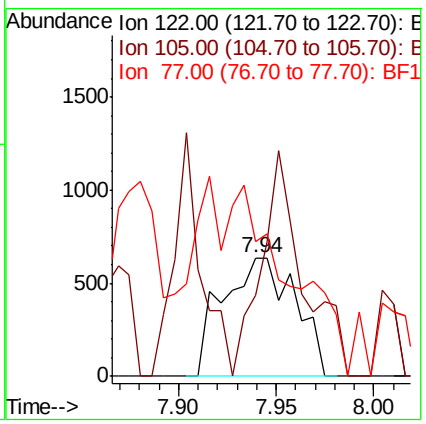


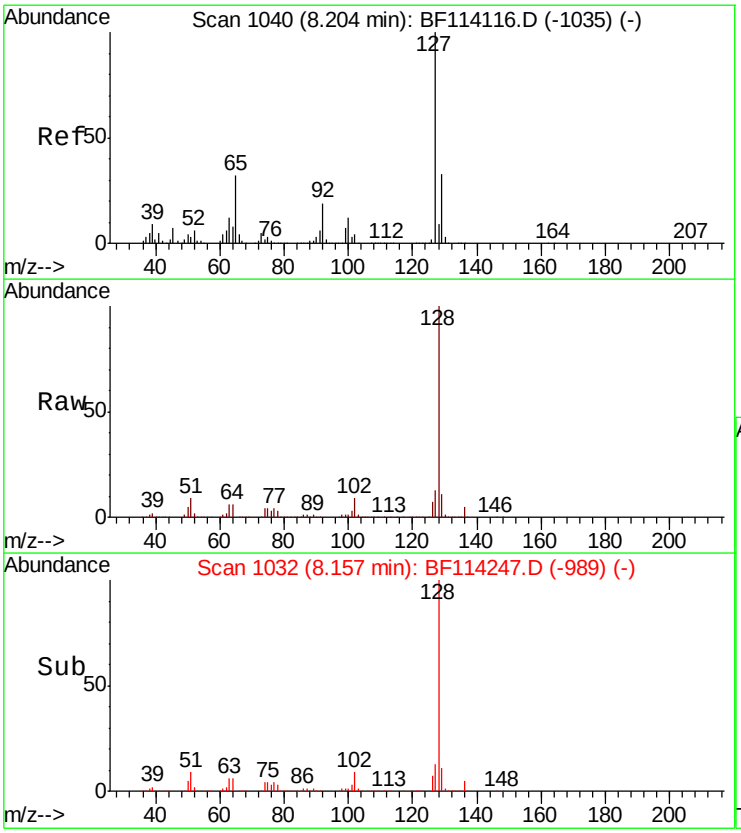
#32
Benzoic acid
Concen: 7.166 ng
RT: 7.94 min Scan# 995
Delta R.T. 0.02 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:122 Resp: 1640

Ion	Ratio	Lower	Upper
122	100		
105	68.0	99.9	139.9#
77	113.2	69.4	109.4#

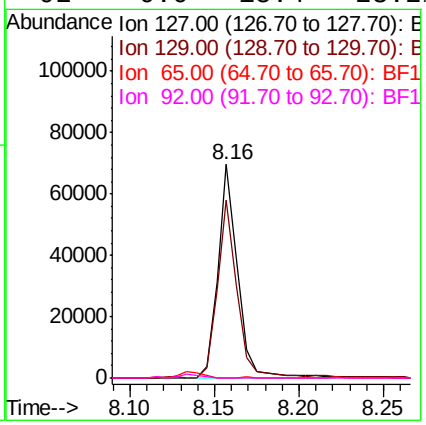


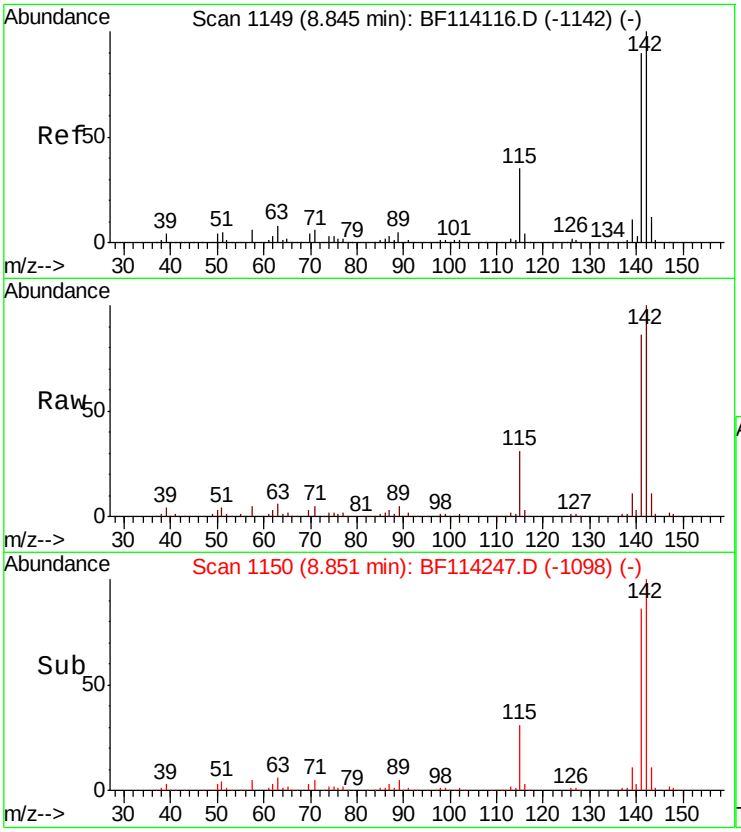


#33
4-Chloroaniline
Concen: 2.738 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:127 Resp: 57103

Ion	Ratio	Lower	Upper
127	100		
129	83.1	26.7	40.1#
65	0.0	25.4	38.0#
92	0.0	15.4	23.2#



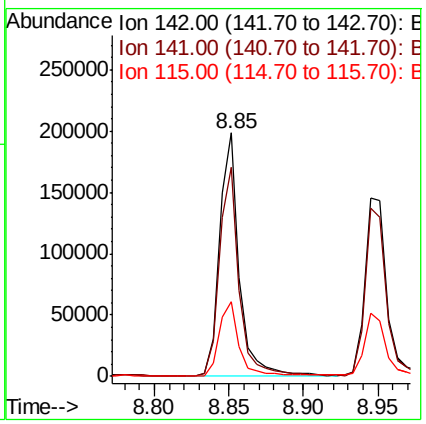


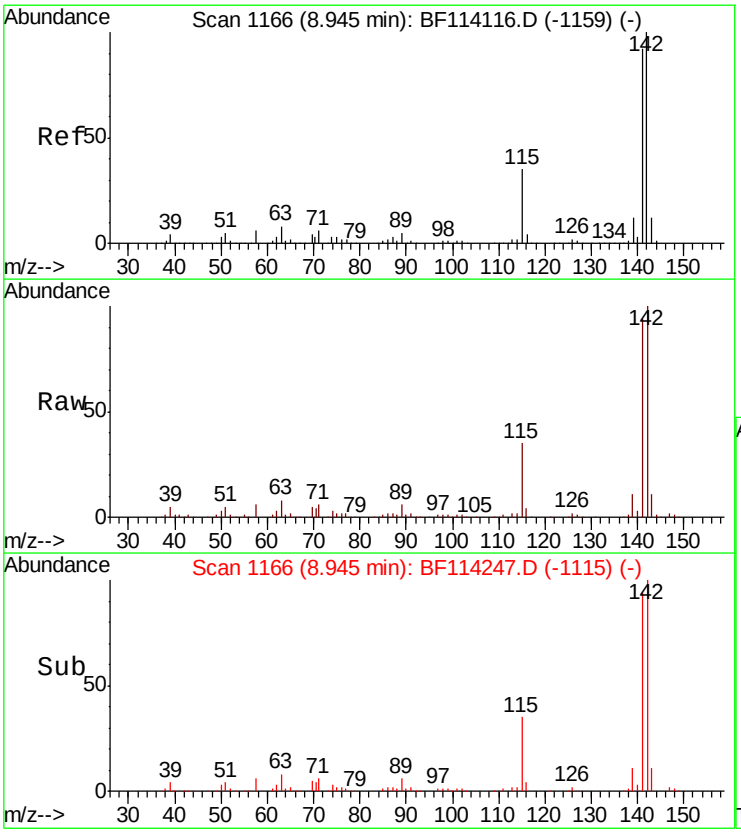
#37
2-Methylnaphthalene
Concen: 6.286 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:142 Resp: 185607

Ion	Ratio	Lower	Upper
142	100		
141	86.0	72.1	108.1
115	30.8	28.0	42.0

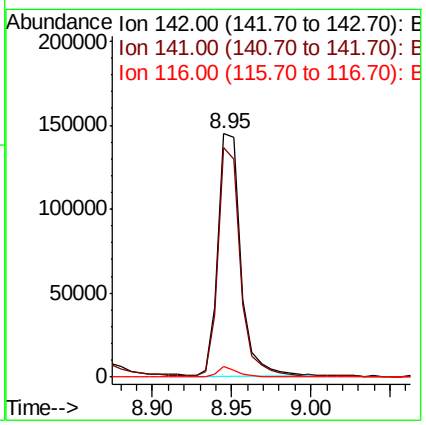


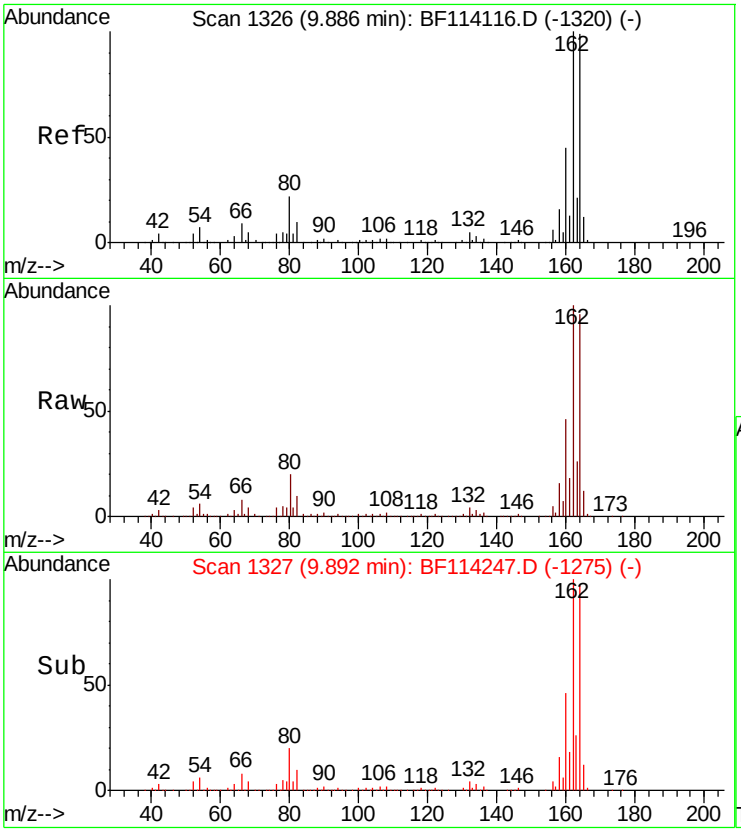


#38
1-Methylnaphthalene
Concen: 5.215 ng
RT: 8.95 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:142 Resp: 145025

Ion	Ratio	Lower	Upper
142	100		
141	94.3	73.4	110.0
116	4.3	3.1	4.7



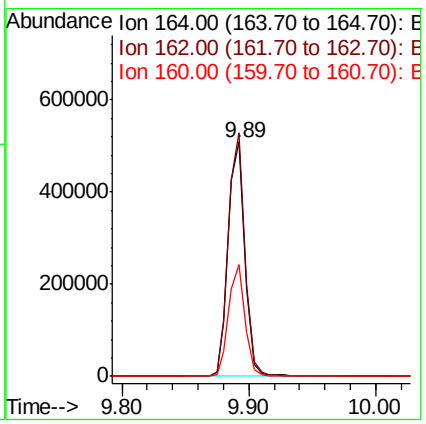


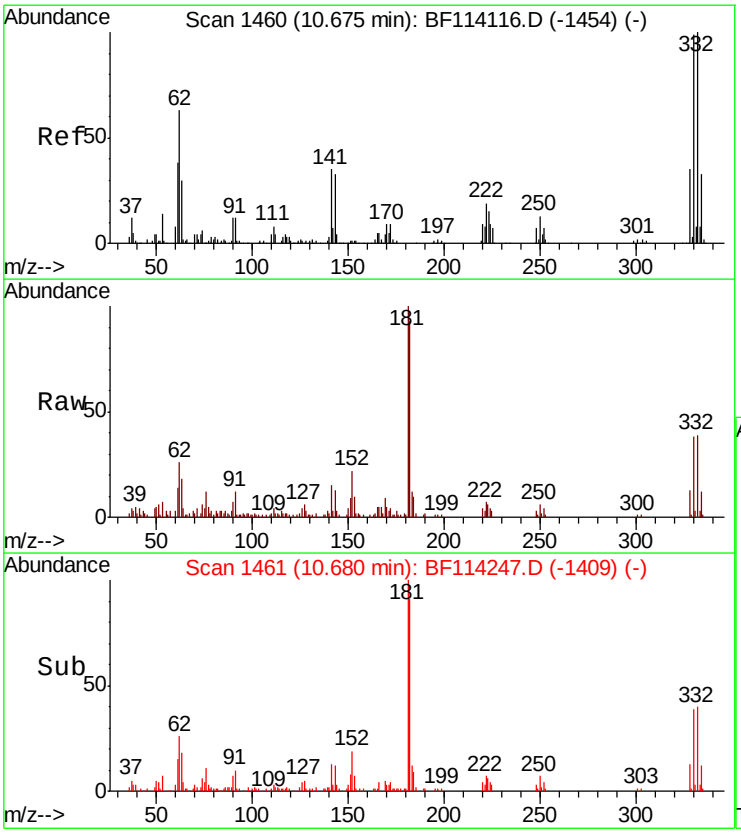
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:164 Resp: 459640

Ion	Ratio	Lower	Upper
164	100		
162	104.0	80.6	120.8
160	47.7	36.5	54.7

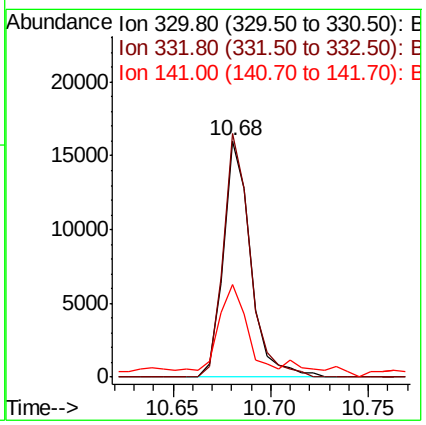


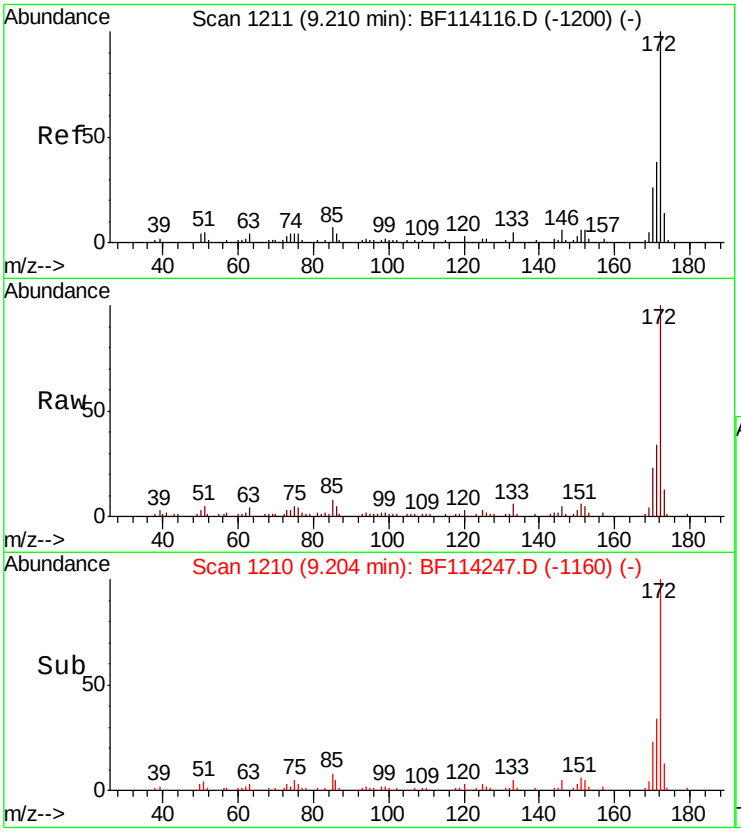


#42
2,4,6-Tribromophenol
Concen: 3.270 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:330 Resp: 15540

Ion	Ratio	Lower	Upper
330	100		
332	101.0	81.4	122.2
141	35.0	26.6	40.0



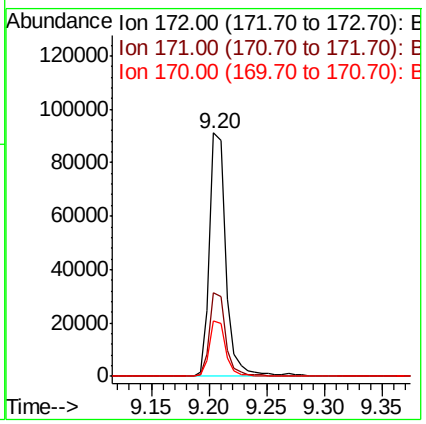


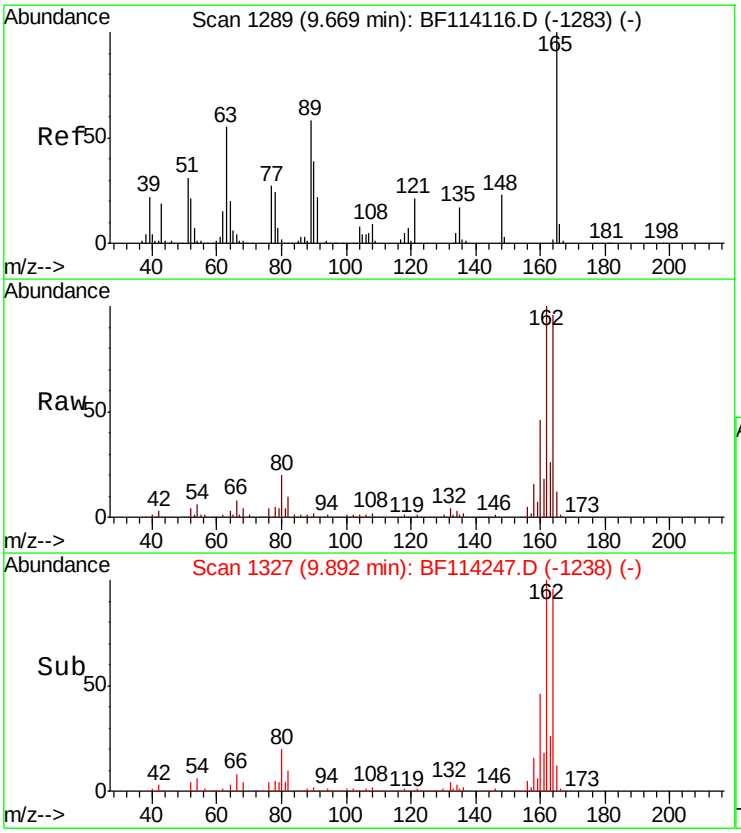
#45
2-Fluorobiphenyl
Concen: 2.980 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:172 Resp: 90536

Ion	Ratio	Lower	Upper
172	100		
171	34.3	30.7	46.1
170	22.8	20.5	30.7

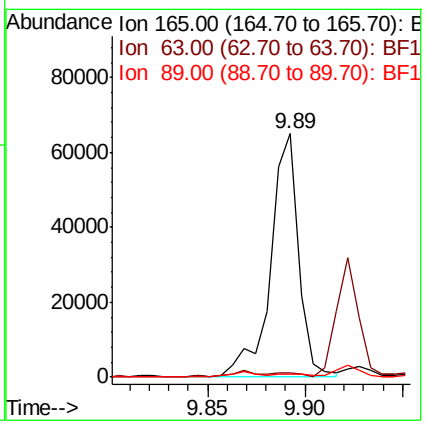


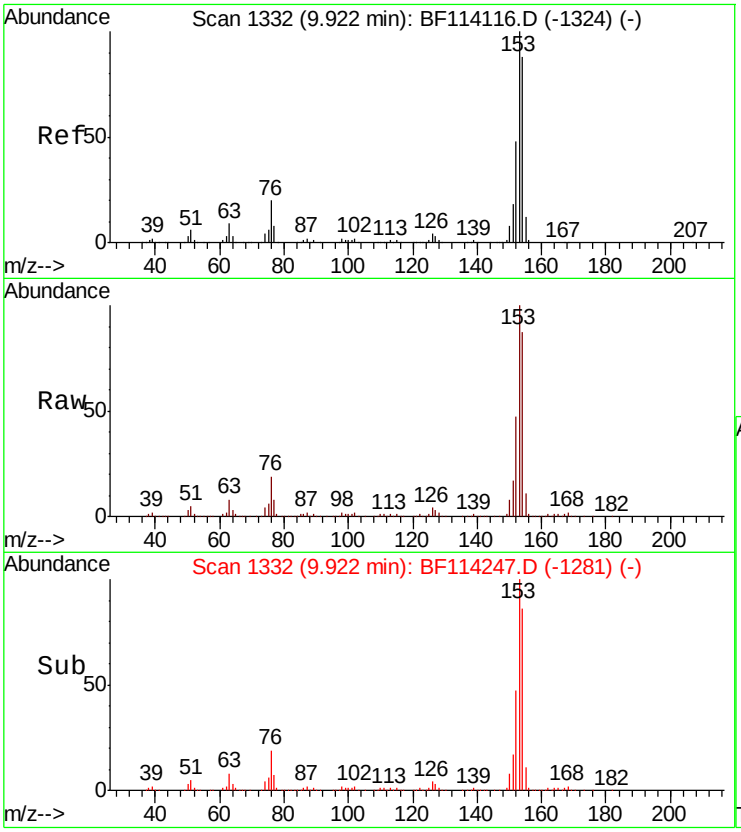


#51
2,6-Dinitrotoluene
Concen: 8.667 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.22 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:165 Resp: 64865

Ion	Ratio	Lower	Upper
165	100		
63	1.8	50.2	75.4#
89	1.5	46.6	69.8#



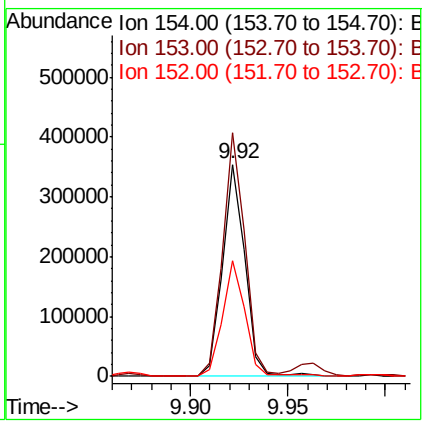


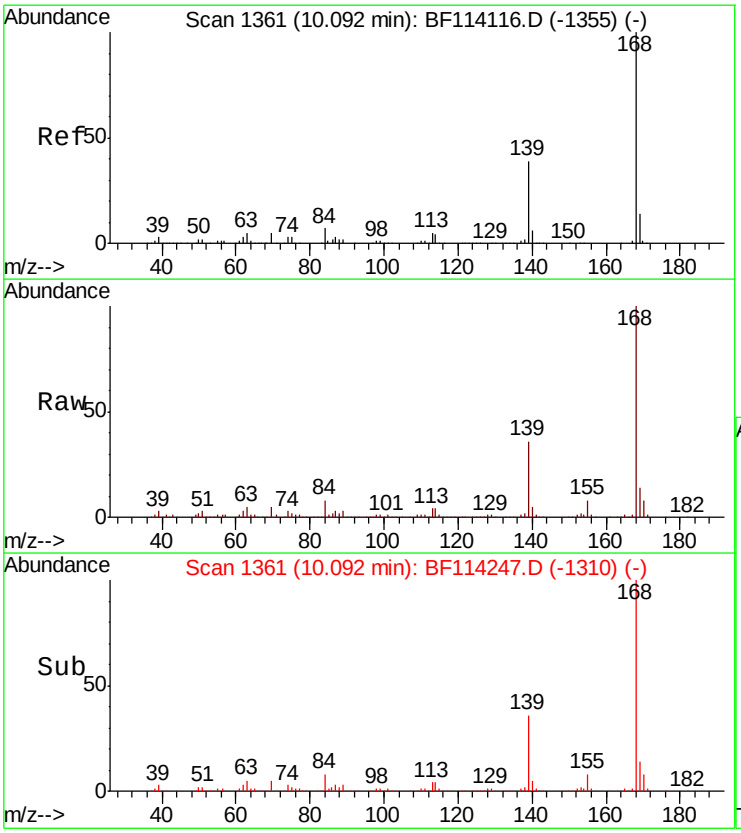
#52
Acenaphthene
Concen: 10.011 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:154 Resp: 279212

Ion	Ratio	Lower	Upper
154	100		
153	114.9	90.5	135.7
152	54.3	43.4	65.2

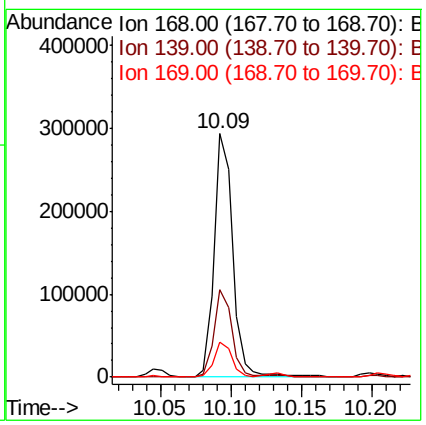


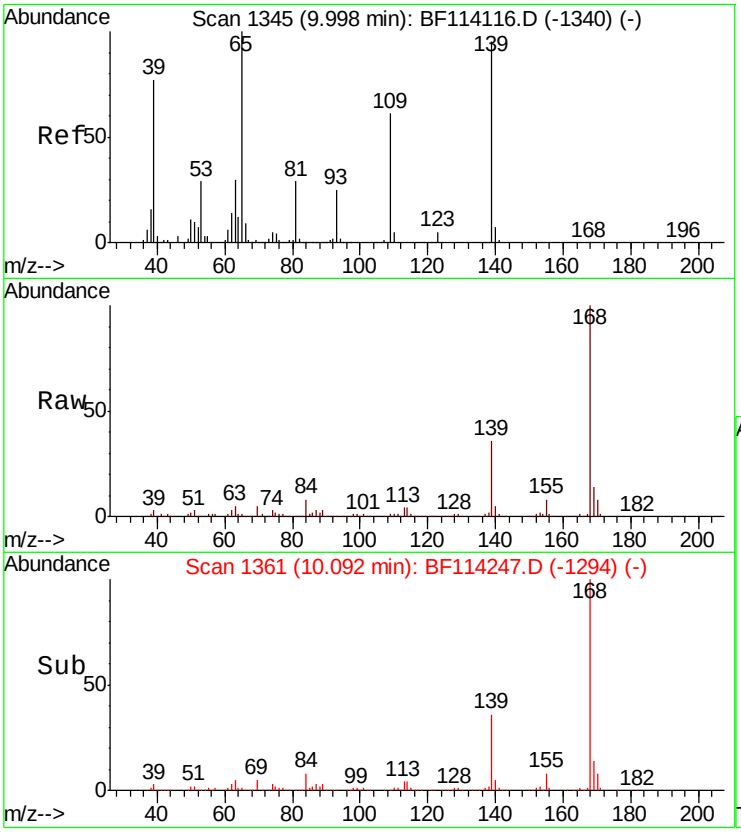


#55
Dibenzofuran
Concen: 6.571 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:168 Resp: 268742

Ion	Ratio	Lower	Upper
168	100		
139	35.8	31.1	46.7
169	14.3	11.4	17.0



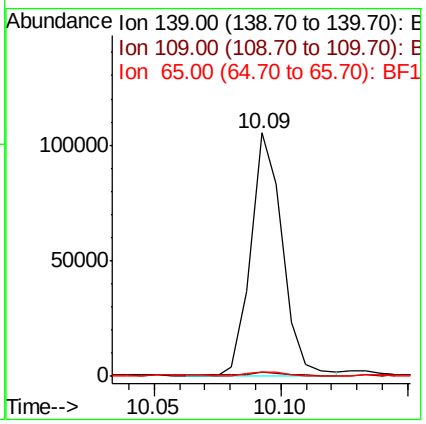


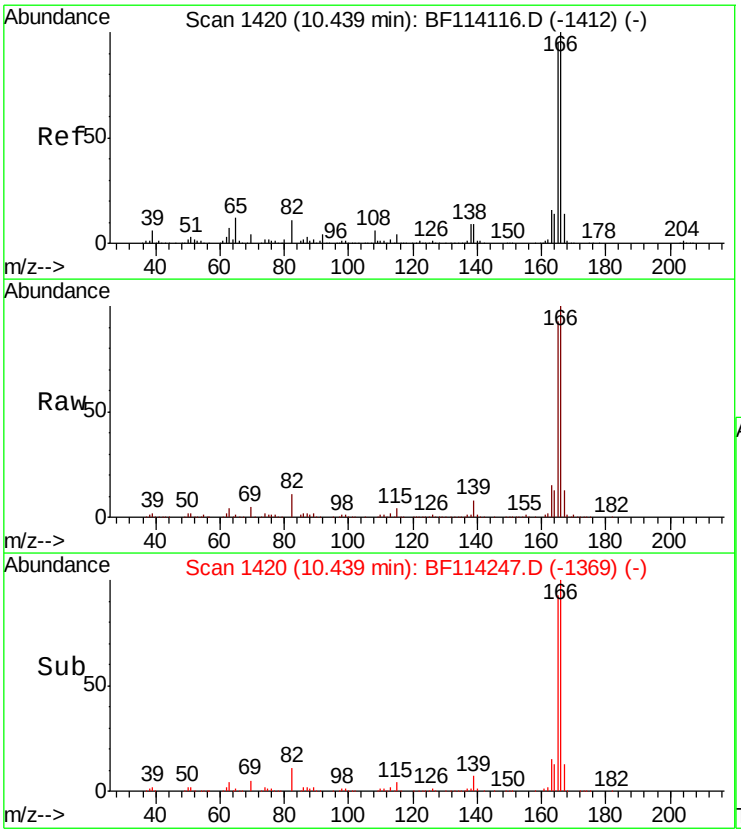
#56
4-Nitrophenol
Concen: 14.118 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.09 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:139 Resp: 92753

Ion	Ratio	Lower	Upper
139	100		
109	1.5	43.9	83.9#
65	2.0	85.7	125.7#

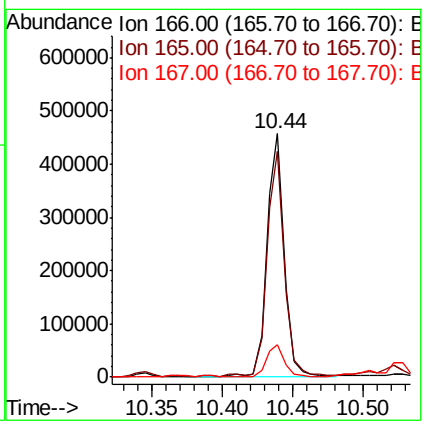


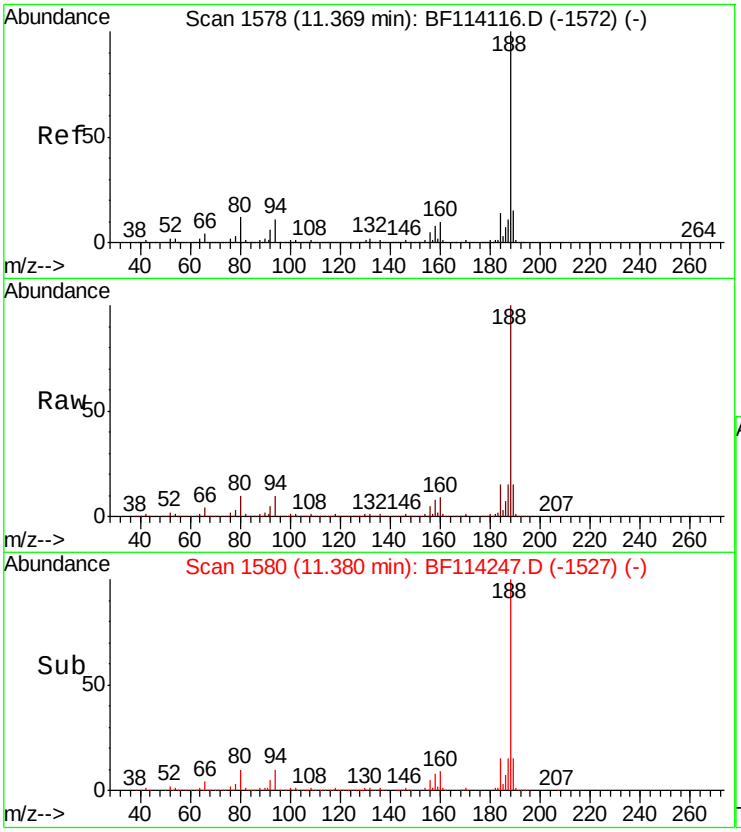


#58
Fluorene
Concen: 12.430 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:166 Resp: 392679

Ion	Ratio	Lower	Upper
166	100		
165	92.7	76.1	114.1
167	13.4	11.1	16.7



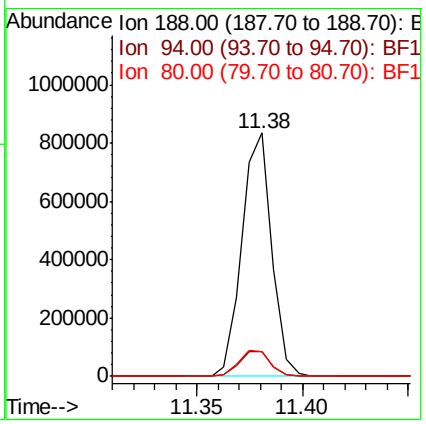


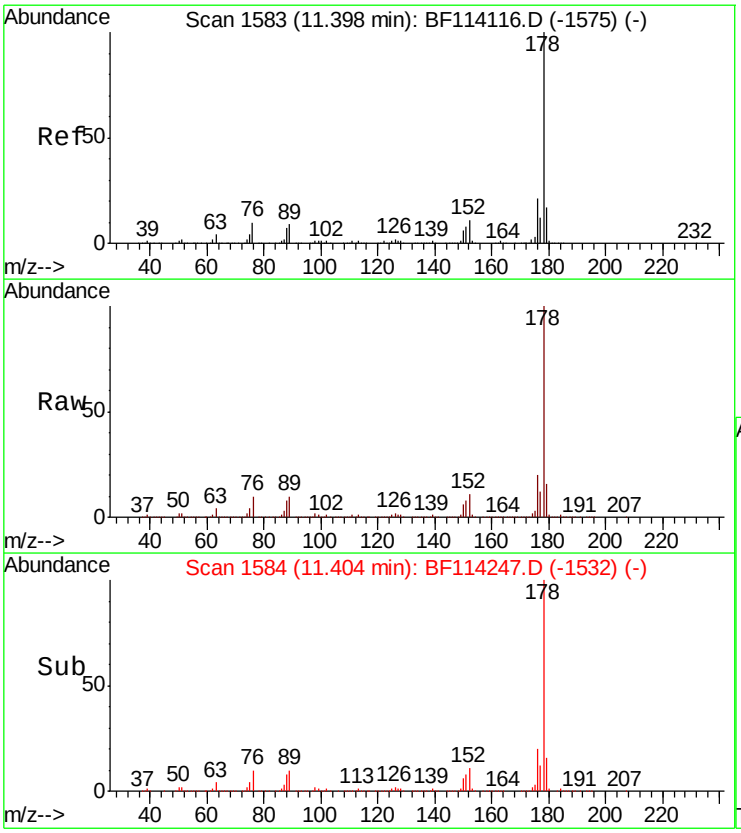
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:188 Resp: 814962

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.4	12.6
80	10.2	9.2	13.8

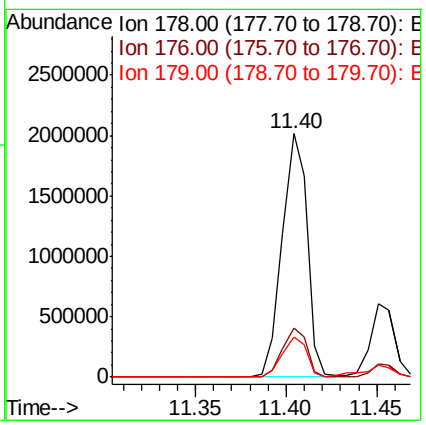


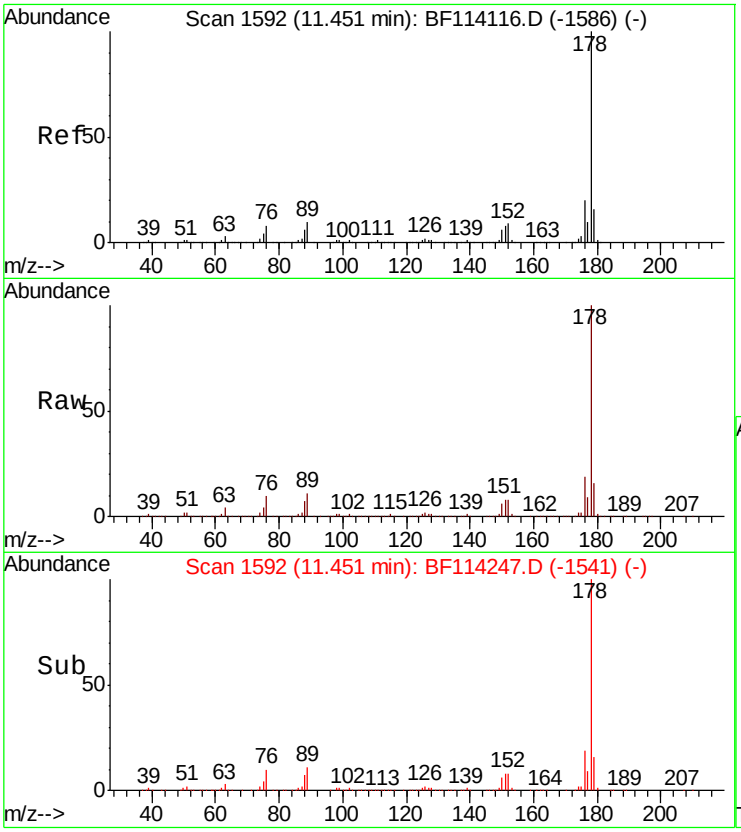


#71
Phenanthrene
Concen: 49.145 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:178 Resp: 1948545

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.4	24.6
179	16.3	13.2	19.8



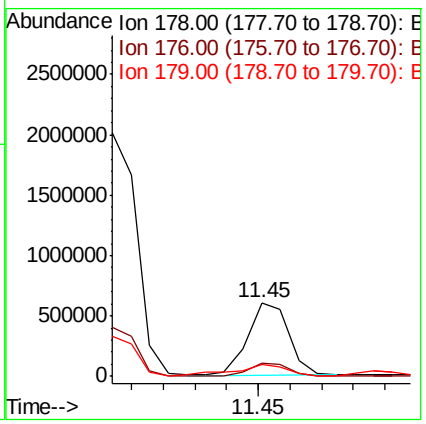


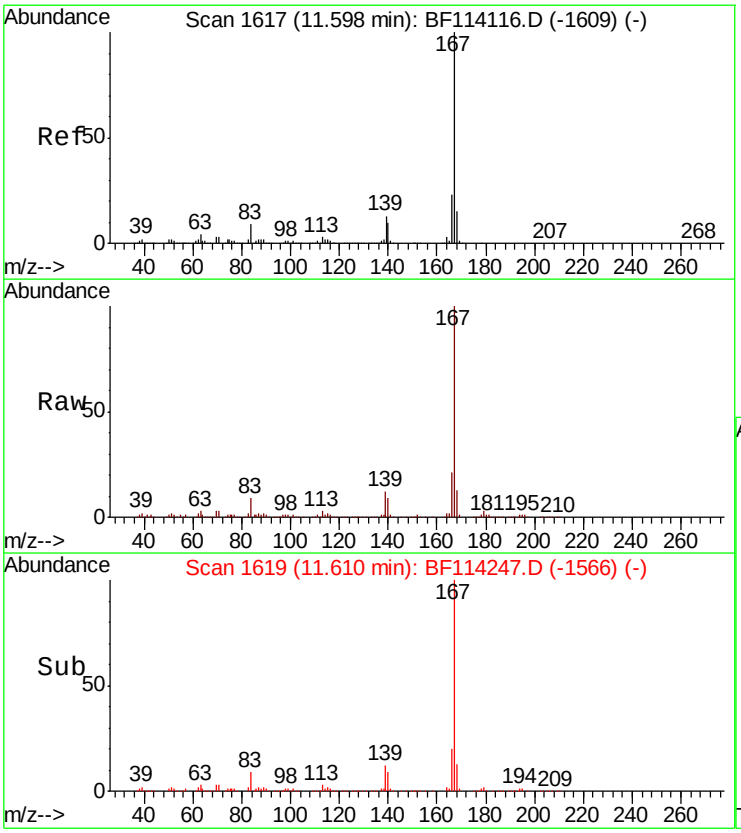
#72
Anthracene
Concen: 13.533 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:178 Resp: 538946

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.7	13.0	19.4

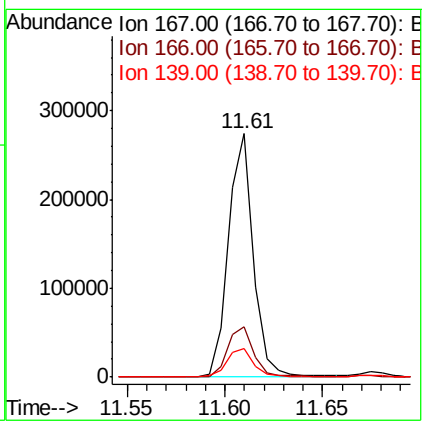


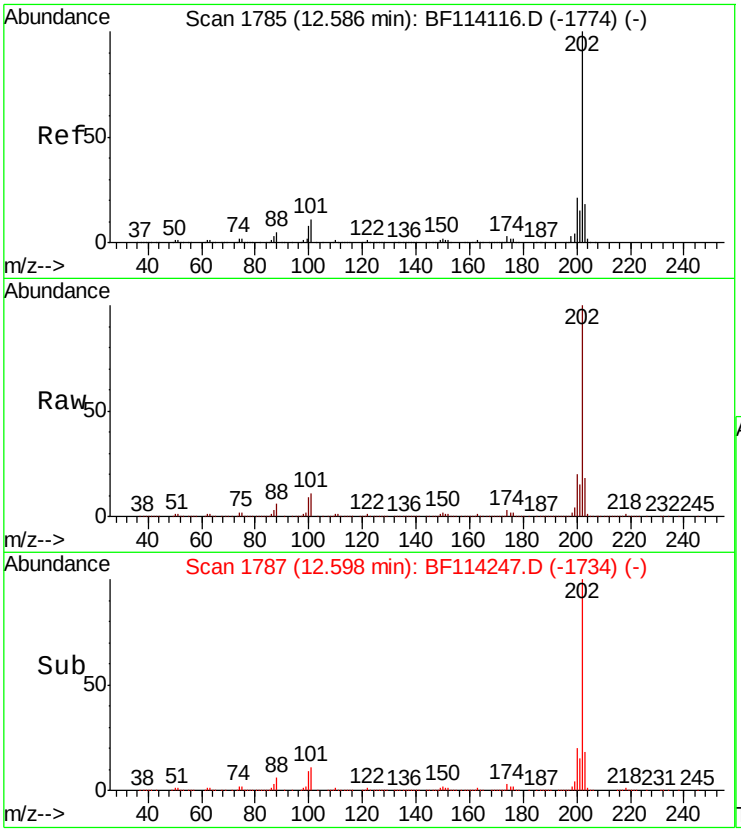


#73
Carbazole
Concen: 6.386 ng
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:167 Resp: 242506

Ion	Ratio	Lower	Upper
167	100		
166	20.5	18.2	27.2
139	11.9	10.6	16.0



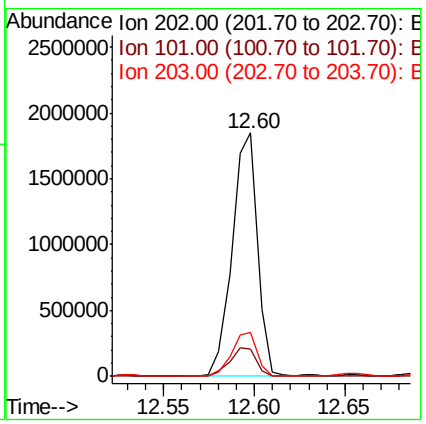


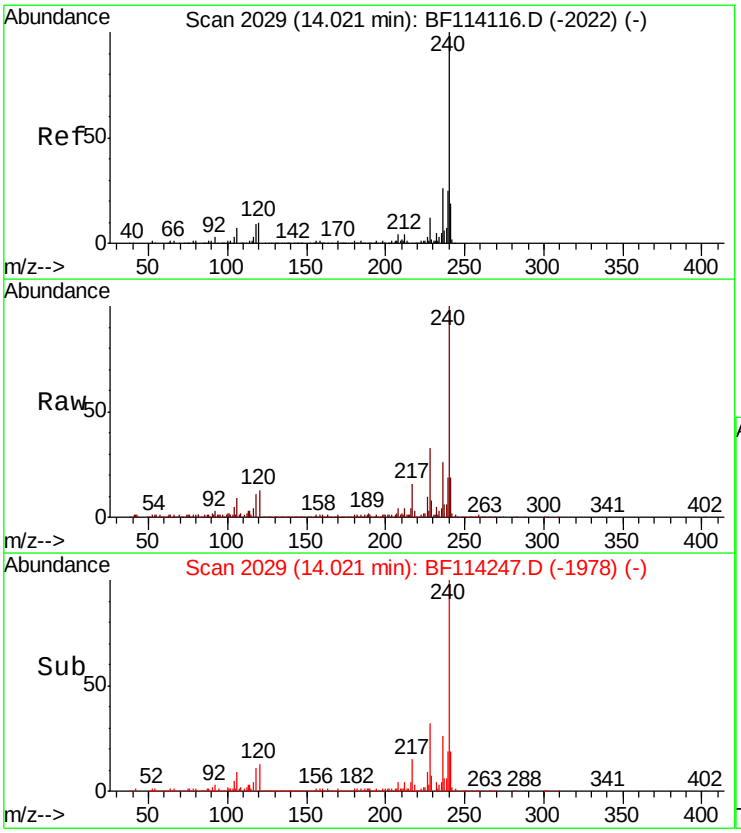
#75
Fluoranthene
Concen: 42.107 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:202 Resp: 1797853

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.0
203	18.1	0.0	38.4

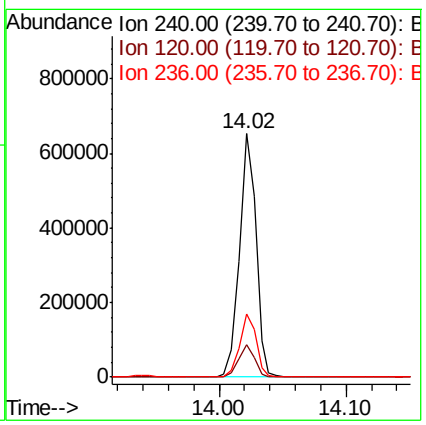


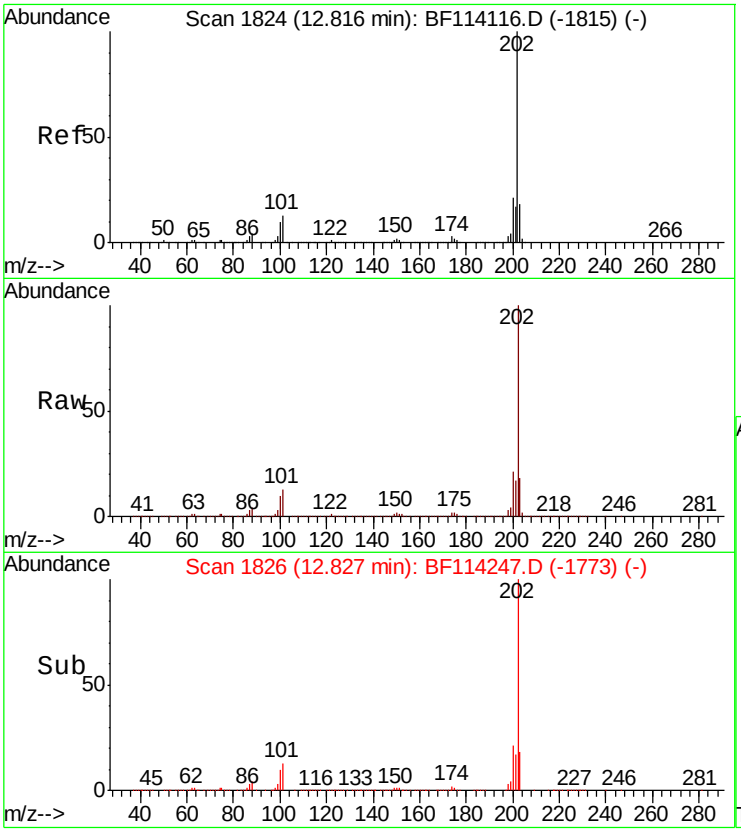


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:240 Resp: 580762

Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.3	12.5#
236	26.0	20.8	31.2



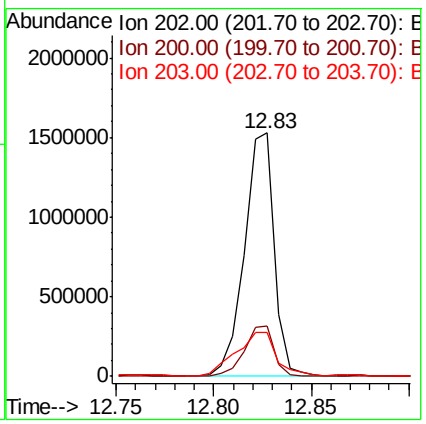


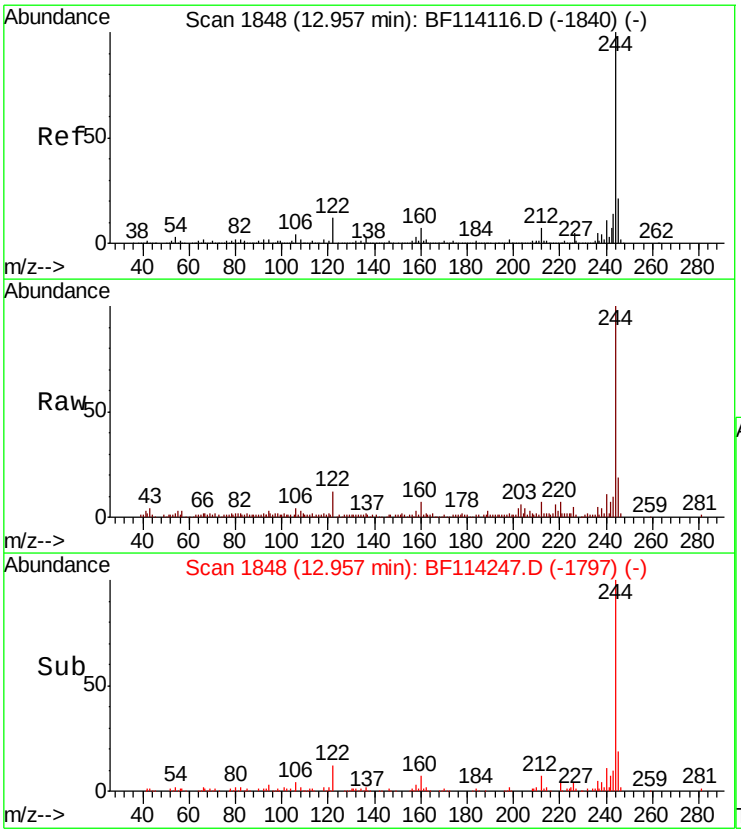
#78
Pyrene
Concen: 34.552 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:202 Resp: 1614235

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.9	25.3
203	18.1	14.5	21.7

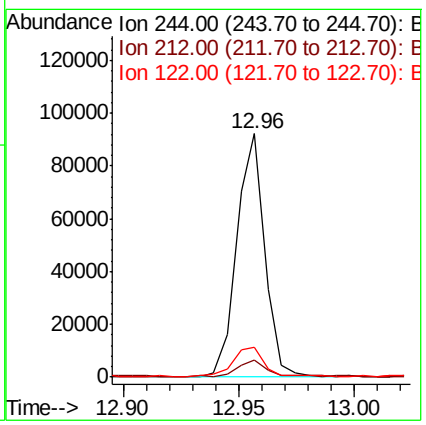


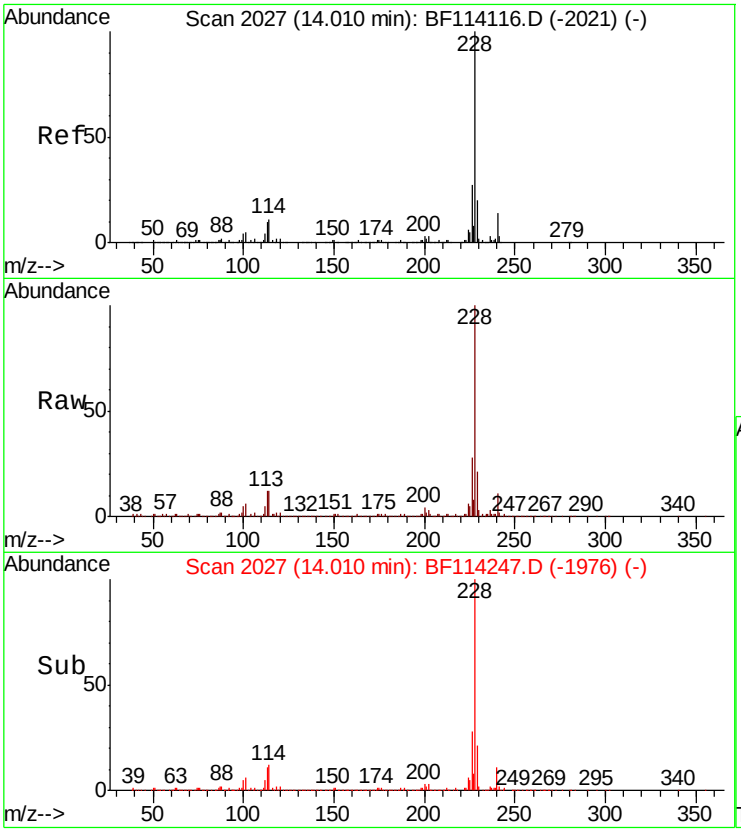


#79
Terphenyl-d14
Concen: 2.754 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:244 Resp: 77590

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.6
122	12.3	9.4	14.2



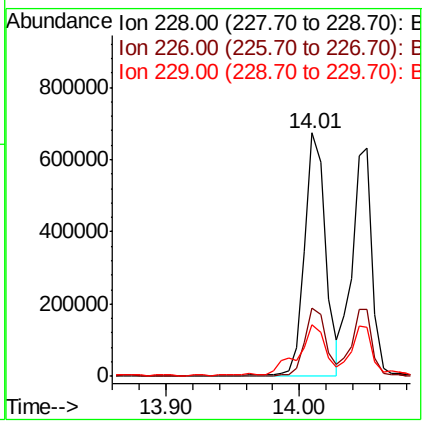


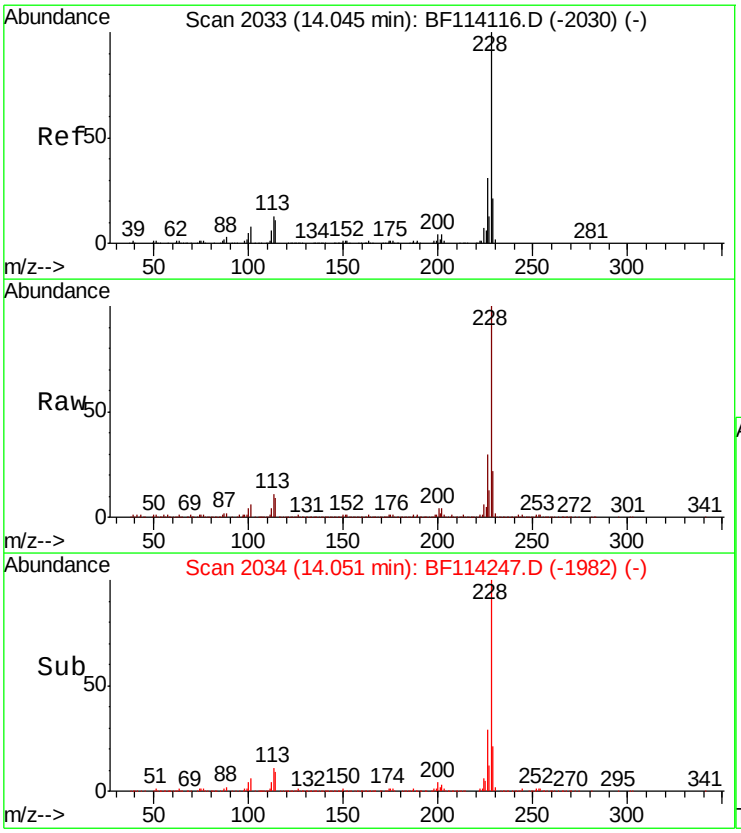
#81
Benzo(a)anthracene
Concen: 19.169 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:228 Resp: 720037

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.2
229	21.1	16.4	24.6

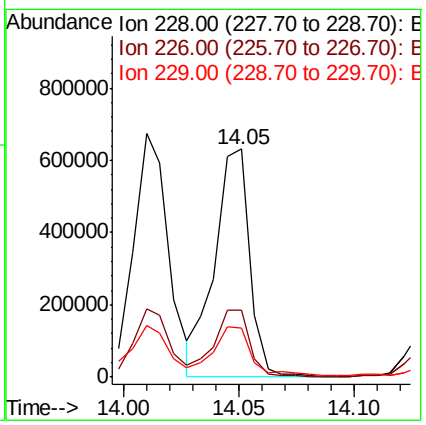


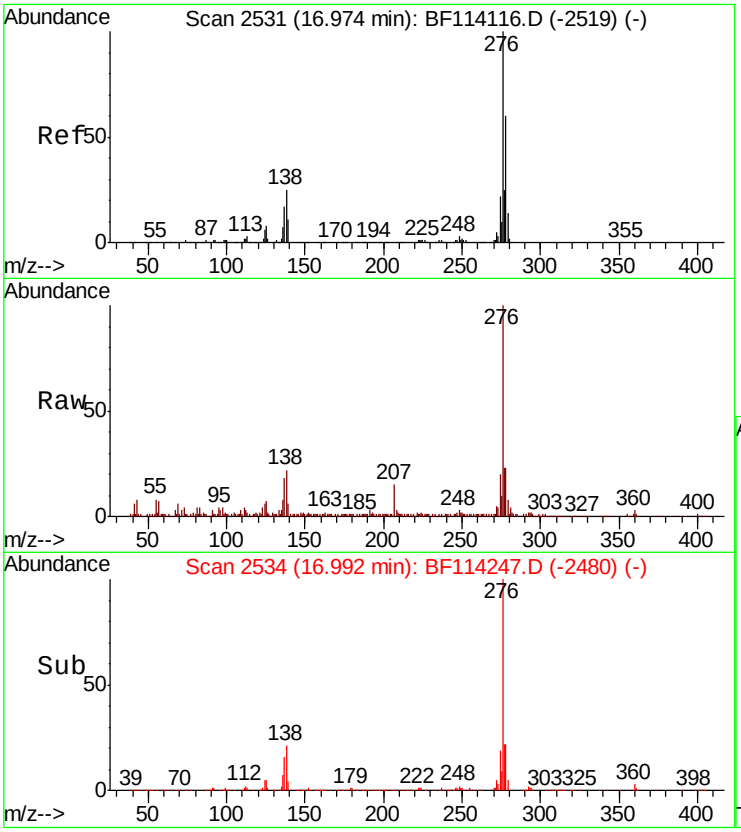


#83
Chrysene
Concen: 18.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:228 Resp: 662823

Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	21.6	17.0	25.6



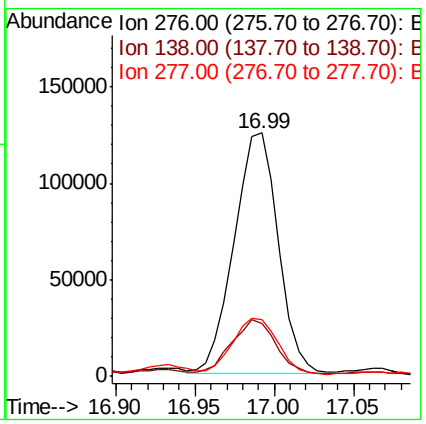


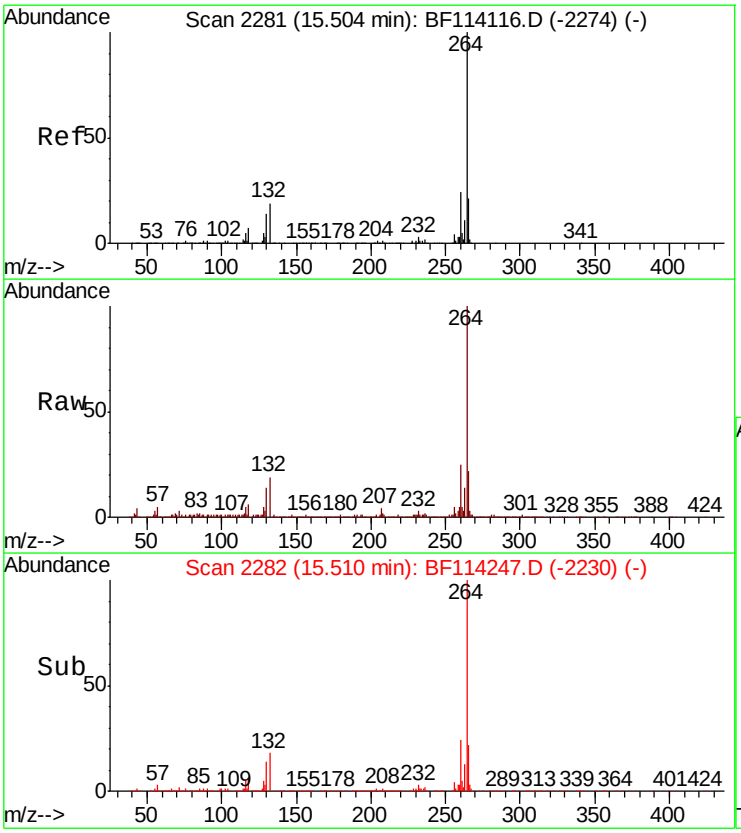
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.419 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.02 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:276 Resp: 241446

Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.2	30.2
277	23.4	20.0	30.0

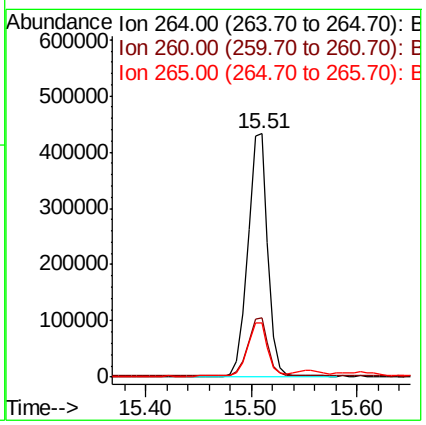


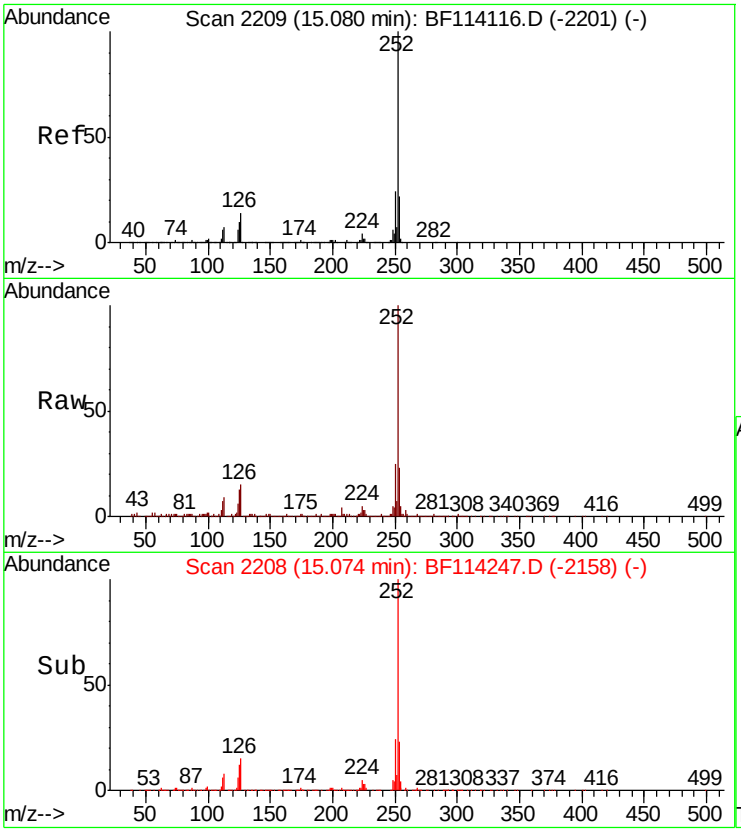


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:264 Resp: 571552

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	22.0	16.9	25.3



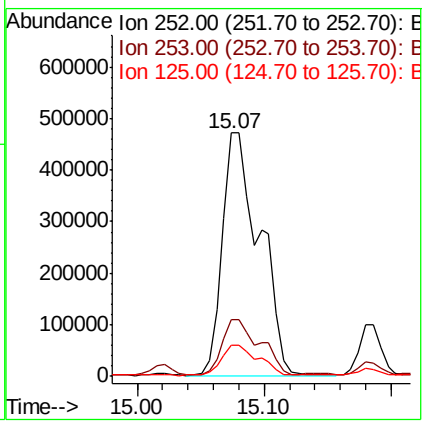


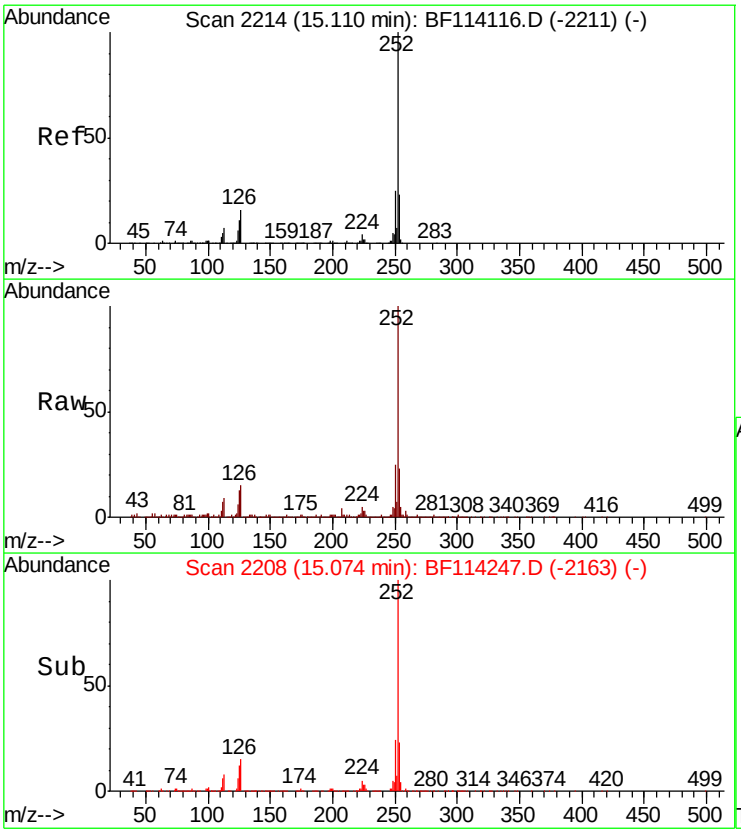
#88
Benzo(b)fluoranthene
Concen: 26.275 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:252 Resp: 962098

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	12.6	8.3	12.5#

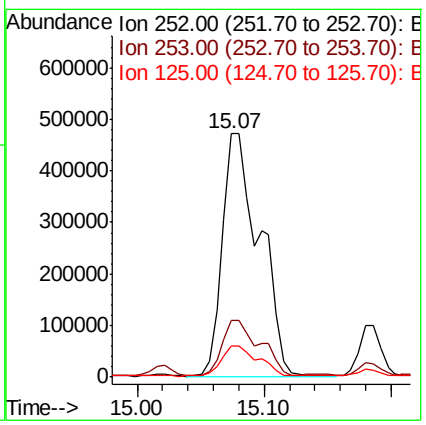


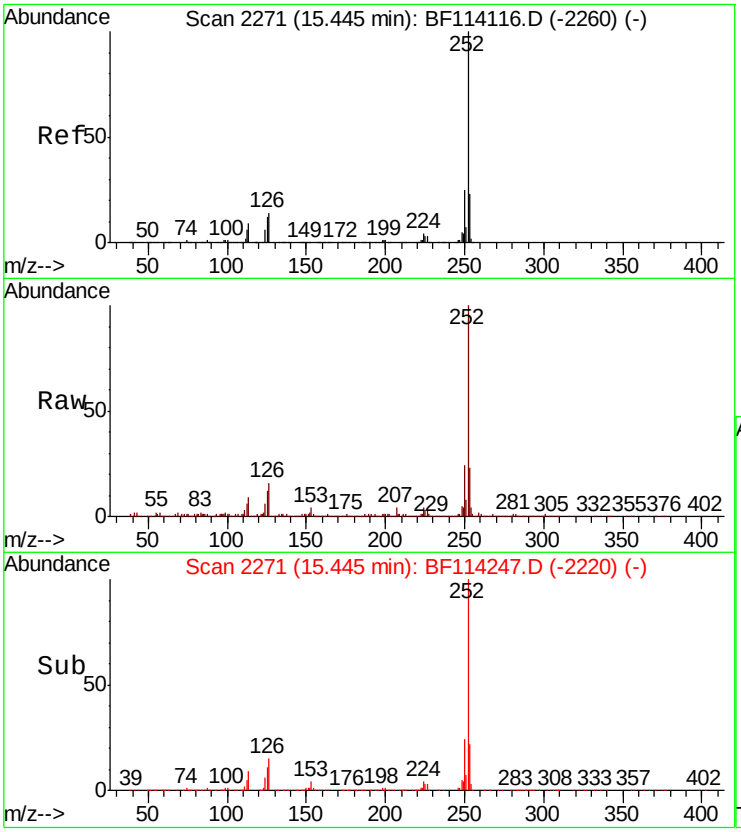


#89
Benzo(k)fluoranthene
Concen: 28.603 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:252 Resp: 962098

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	12.6	8.6	13.0



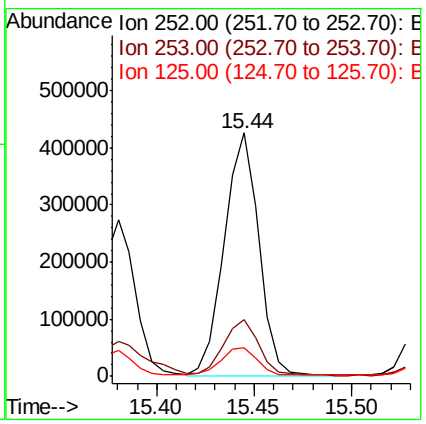


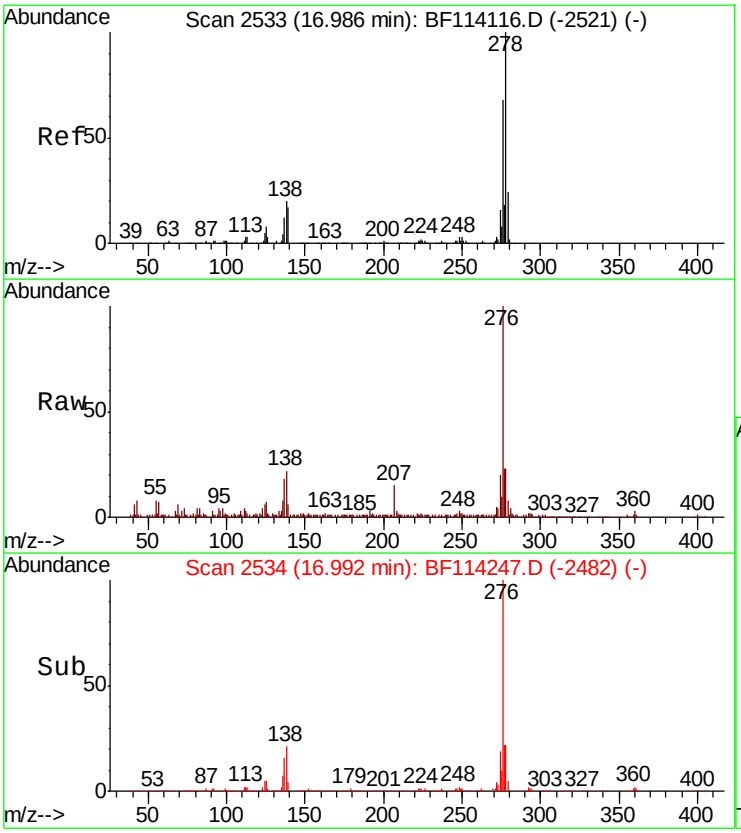
#90
Benzo(a)pyrene
Concen: 16.127 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:252 Resp: 519711

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	11.9	9.5	14.3

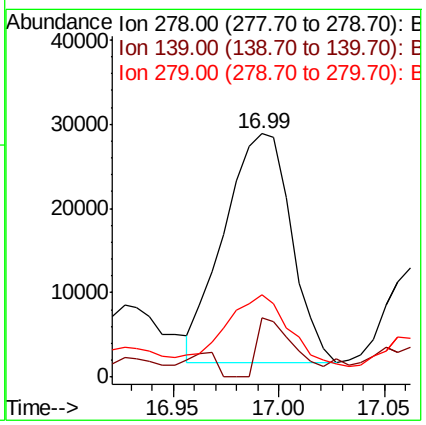


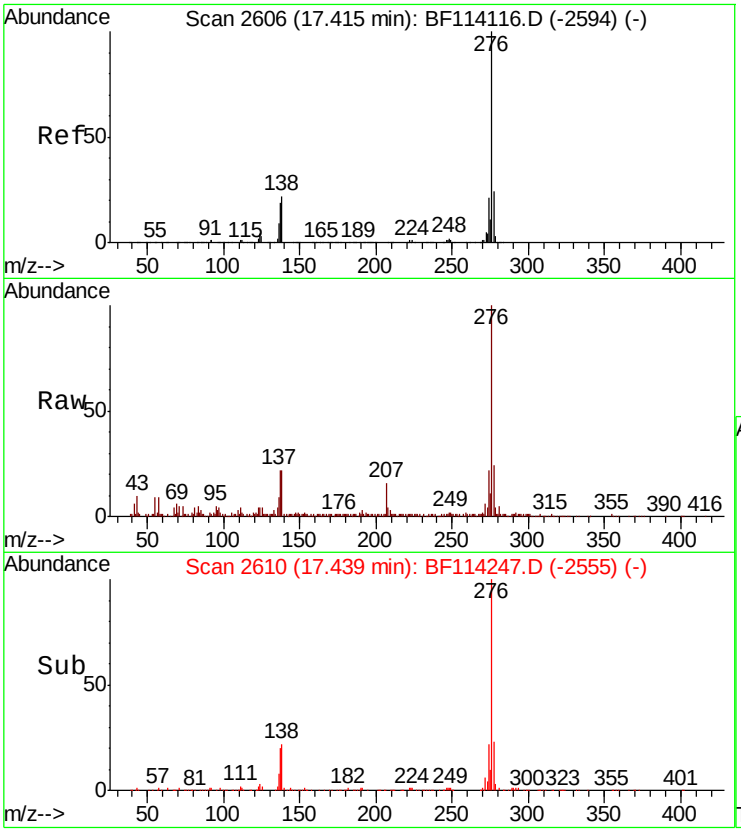


#91
Dibenzo(a,h)anthracene
Concen: 2.244 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Tgt Ion:278 Resp: 60085

Ion	Ratio	Lower	Upper
278	100		
139	24.3	13.5	20.3#
279	33.9	19.0	28.6#





#92
Benzo(g,h,i)perylene
Concen: 8.797 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.02 min
Lab File: BF114247.D
Acq: 14 May 2019 00:06

Instrument :
BNA_F
ClientSampleId :
OK-03-050919DL

Tgt Ion:276 Resp: 236068

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	21.9	17.8	26.6