Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081619\

Quantitation Report (Not Reviewed)

Data File : BF116334.D
Acq On : 16 Aug 2019 22:50
Operator : HP/JU
Sample : K4265-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : REACTOR-4-A1-A4-(0-1)

Quant Time: Aug 17 03:11:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	151622	20.00	ng		-0.03
21) Naphthalene-d8	8.10	136	571570	20.00	ng		-0.03
39) Acenaphthene-d10	9.85	164	288819	20.00	ng		-0.04
64) Phenanthrene-d10	11.34	188	470815	20.00	ng		-0.03
76) Chrysene-d12	13.98	240	262912	20.00	ng		-0.03
87) Perylene-d12	15.44	264	292048	20.00	ng		-0.04
System Monitoring Compounds							
5) 2-Fluorophenol	5.45	112	1192409	131.65	ng		-0.02
7) Phenol-d6	6.46	99	1570292	137.42	ng		-0.02
23) Nitrobenzene-d5	7.39	82	994680	100.45	ng		-0.03
42) 2,4,6-Tribromophenol	10.64	330	369254	131.87	ng		-0.03
45) 2-Fluorobiphenyl	9.17	172	1448184	93.92	ng		-0.04
79) Terphenyl-d14	12.92	244	1307861	104.82	ng		-0.04
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	134517	18.997	ng	#	78
24) Nitrobenzene	7.36	77	59949	5.607	ng	#	47
25) Isophorone	7.39	82	994673	52.534	ng	#	65
31) Naphthalene	8.12	128	92836	3.452	ng		97
49) Acenaphthylene	9.88	152	100115	4.044	ng	#	1
50) Dimethylphthalate	9.57	163	172005	8.747	ng		98
52) Acenaphthene	9.88	154	190435	12.537	ng		99
55) Dibenzofuran	10.06	168	150510	6.814	ng		98
56) 4-Nitrophenol	10.06	139	57084	16.875	ng	#	7
58) Fluorene	10.40	166	187700	11.045	ng		99
67) 4-Bromophenyl-phenylether	10.64	248	22647	4.493	ng	#	1
71) Phenanthrene	11.36	178	1664711	69.164	ng		99
72) Anthracene	11.42	178	602779	24.746	ng		99
73) Carbazole	11.57	167	203854	9.224	ng		99
75) Fluoranthene	12.56	202	1901200	75.451	ng		97
77) Benzidine	12.92	184	18149	2.043	ng	#	96
78) Pyrene	12.79	202	1621636	81.824	ng		98
81) Benzo(a)anthracene	13.97	228	839032	49.929	ng		99
83) Chrysene	14.00	228	664009	40.701	ng		98
86) Indeno(1,2,3-cd)pyrene	16.90	276	371815	27.135	ng		96
88) Benzo(b)fluoranthene	15.02	252	1063786	62.996	ng		97
89) Benzo(k)fluoranthene	15.02	252	1063489	64.659	ng	#	97
90) Benzo(a)pyrene	15.38	252	584027	38.689	ng		99
91) Dibenzo(a,h)anthracene	17.07	278	84218	6.445	ng		96
92) Benzo(g,h,i)perylene	17.34	276	335629	26.154	ng		96

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

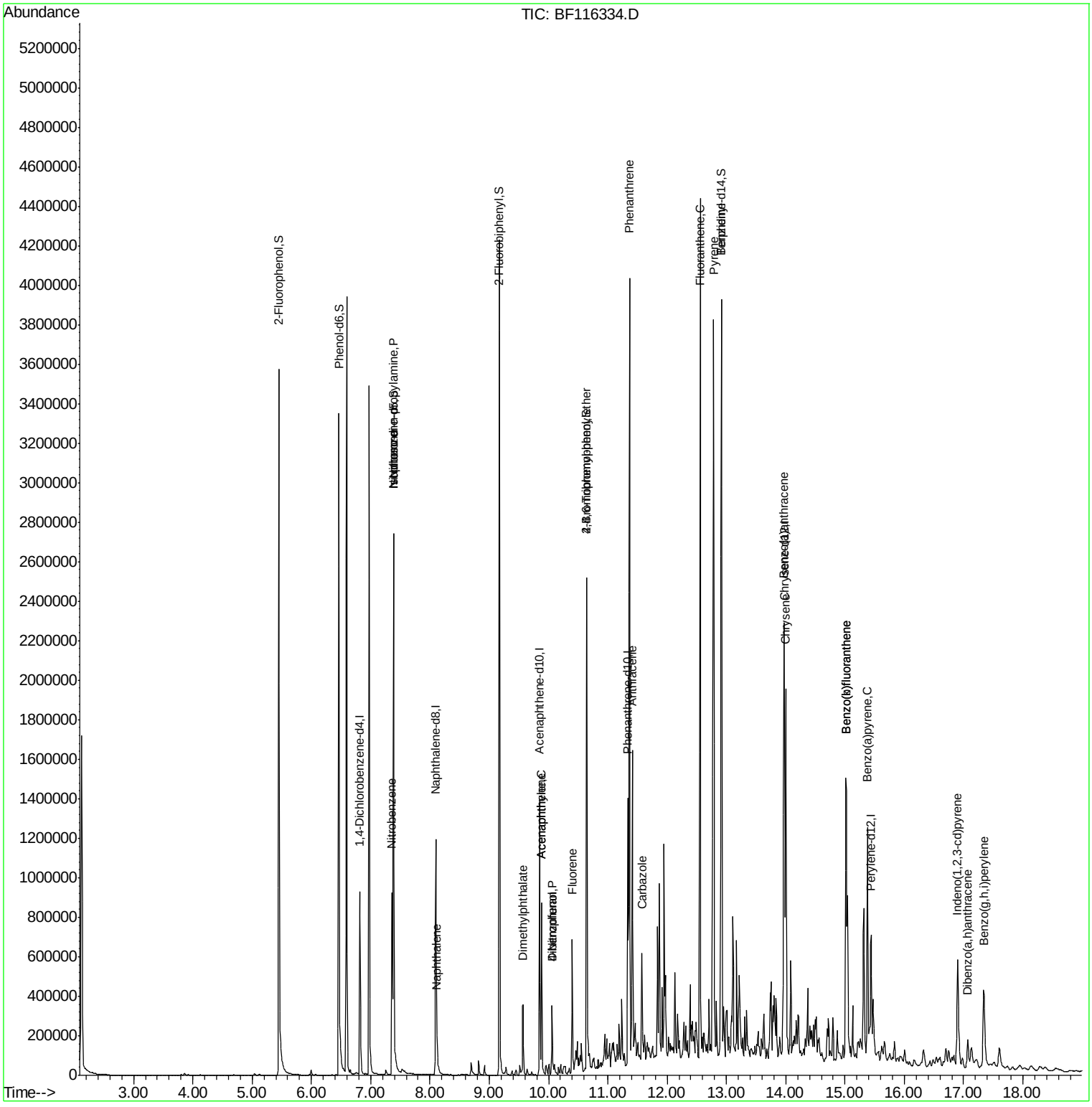
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081619\

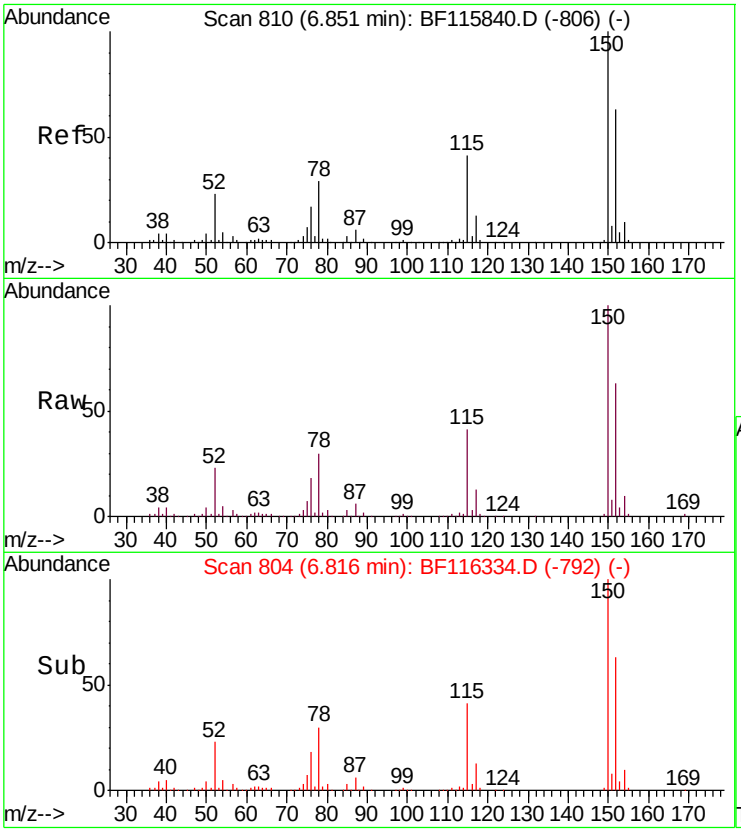
Quantitation Report (Not Reviewed)

Data File : BF116334.D
Acq On : 16 Aug 2019 22:50
Operator : HP/JU
Sample : K4265-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Quant Time: Aug 17 03:11:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration



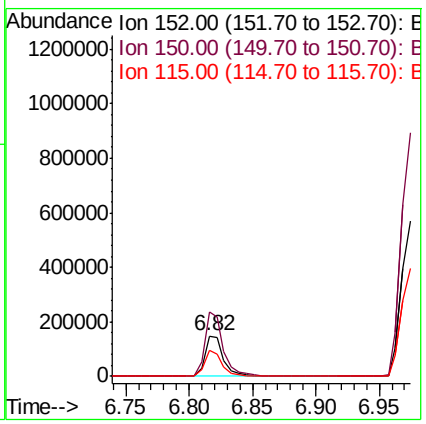


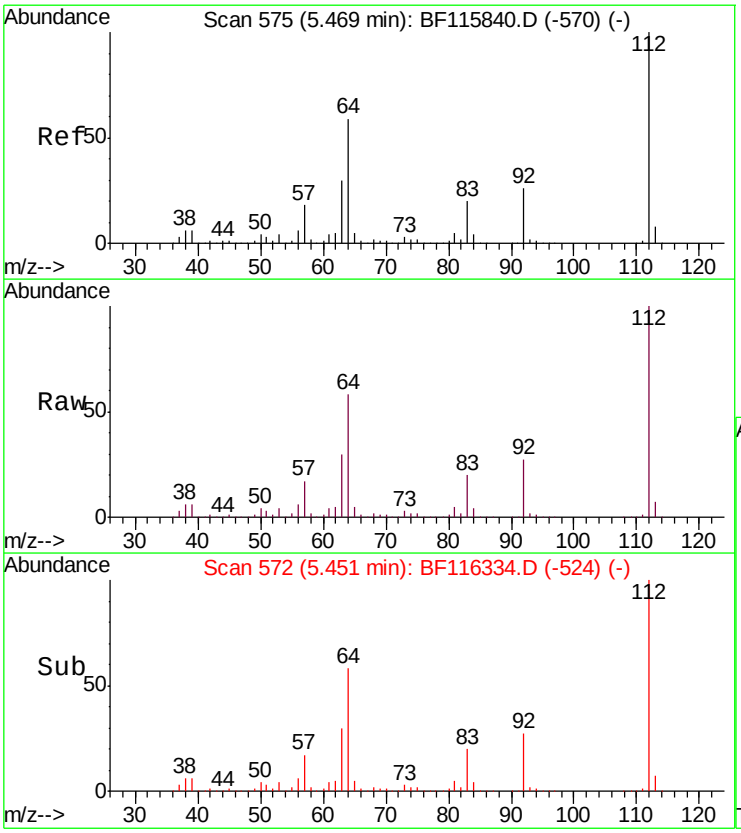
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.03 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:152 Resp: 151622

Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.2	189.2
115	64.9	49.9	74.9

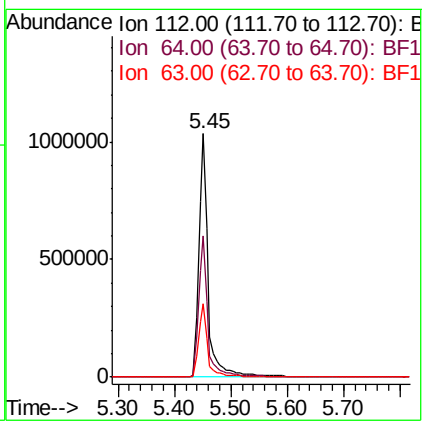


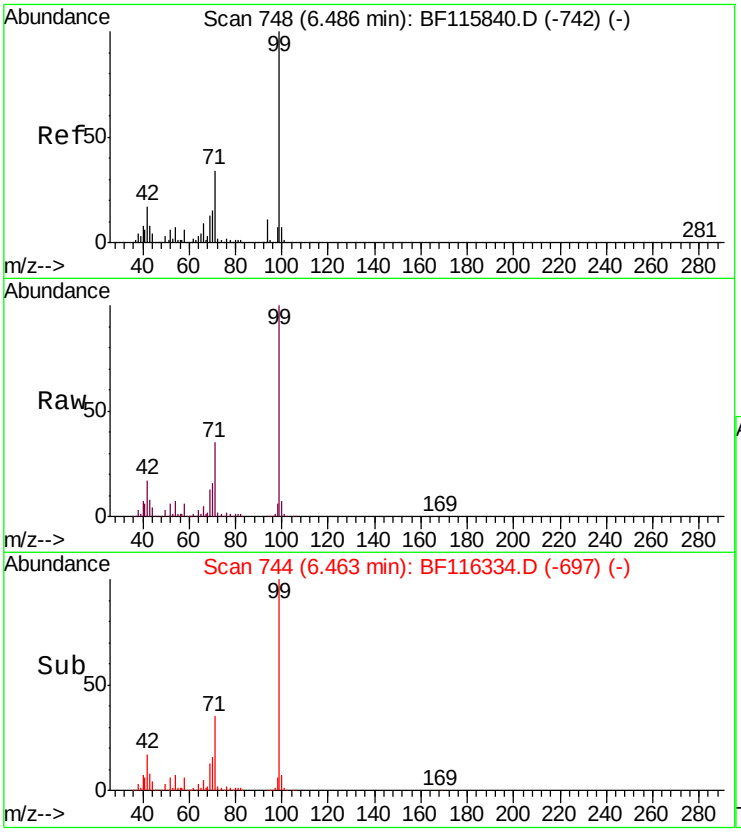


#5
2-Fluorophenol
Concen: 131.654 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.02 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:112 Resp: 1192409

Ion	Ratio	Lower	Upper
112	100		
64	58.0	45.4	68.2
63	30.0	23.7	35.5



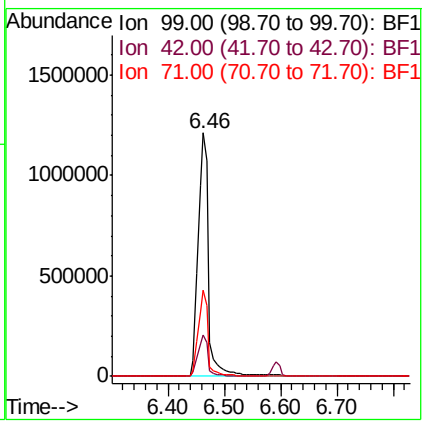


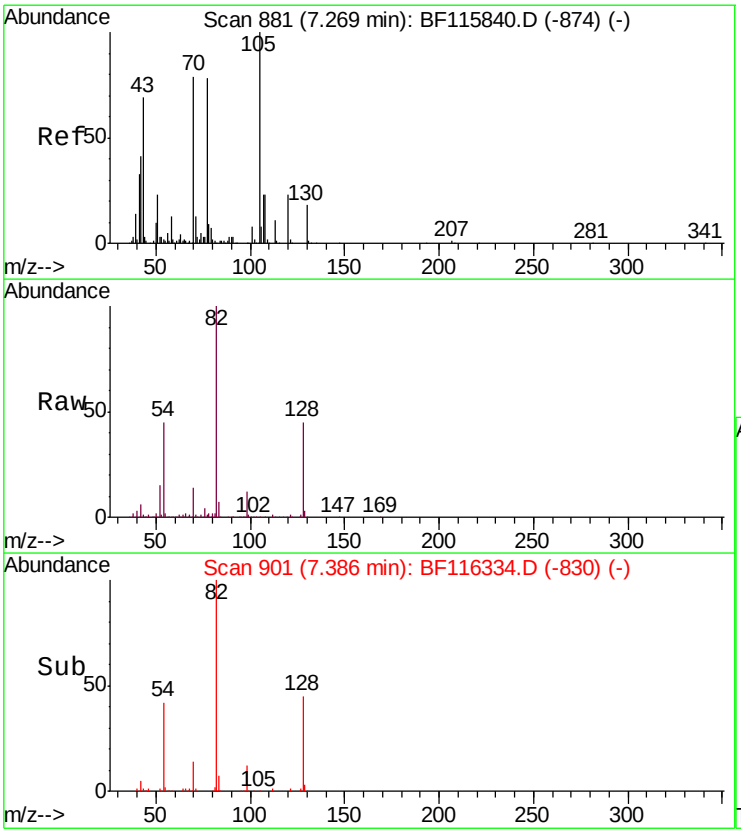
#7
Phenol-d6
Concen: 137.417 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.02 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion: 99 Resp: 1570292

Ion	Ratio	Lower	Upper
99	100		
42	17.2	13.8	20.8
71	35.2	27.3	40.9

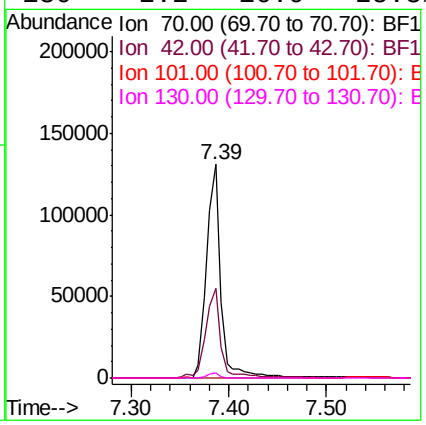


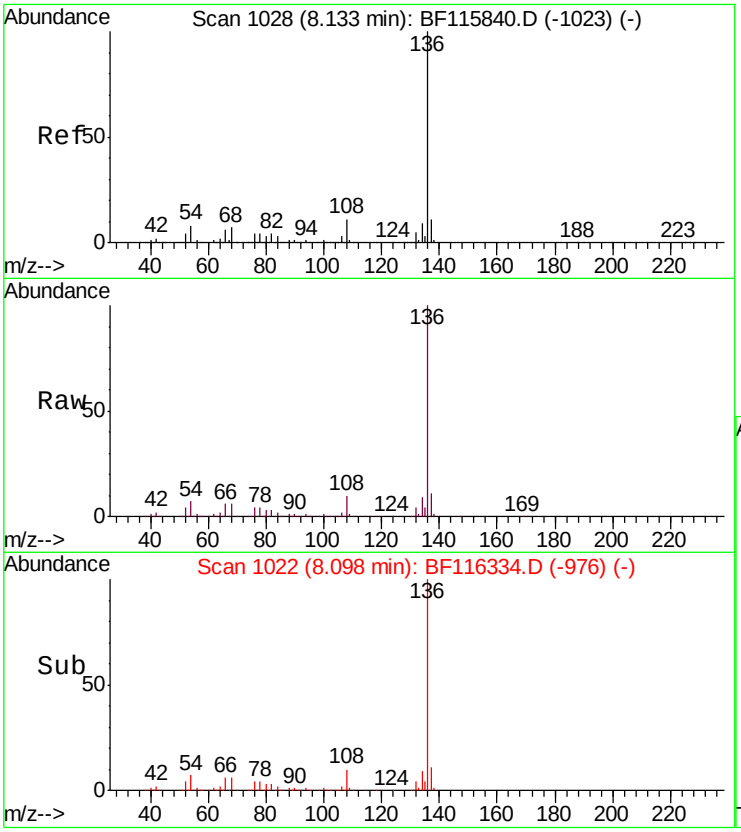


#19
n-Nitroso-di-n-propylamine
Concen: 18.997 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.12 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion: 70 Resp: 134517

Ion	Ratio	Lower	Upper
70	100		
42	41.7	40.9	61.3
101	0.0	7.9	11.9#
130	2.2	16.9	25.3#



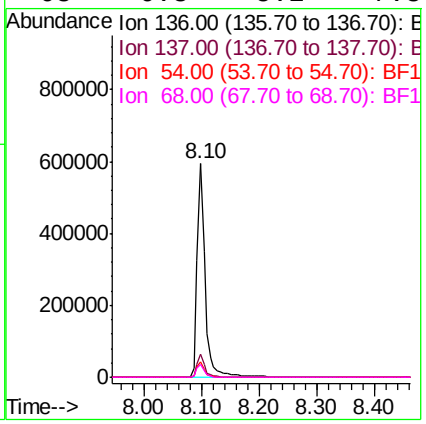


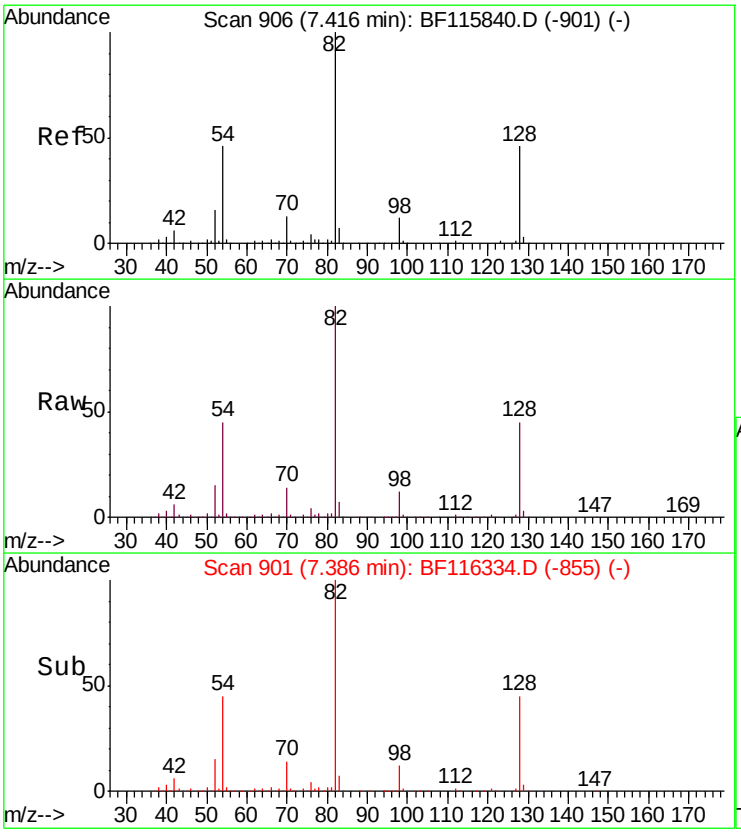
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:136 Resp: 571570

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.1	5.8	8.6
68	6.3	5.2	7.8

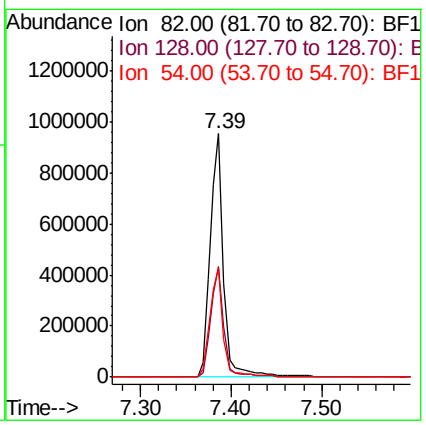


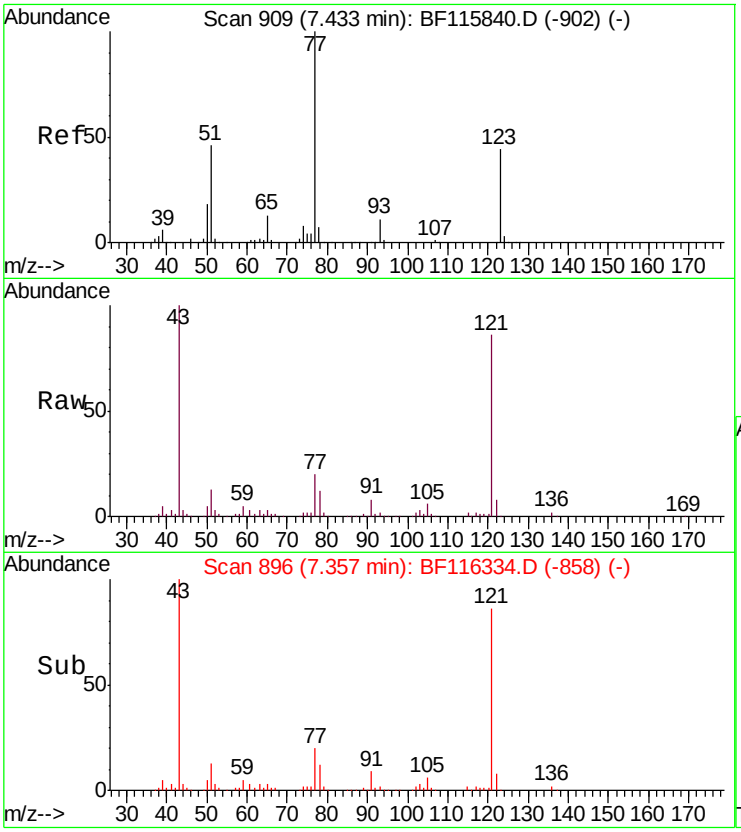


#23
Nitrobenzene-d5
Concen: 100.453 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.03 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion: 82 Resp: 994680

Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.5	54.7
54	44.8	36.0	54.0



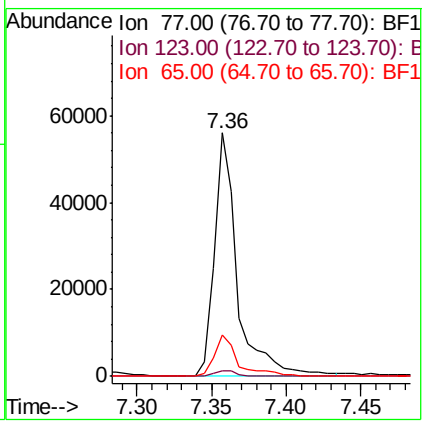


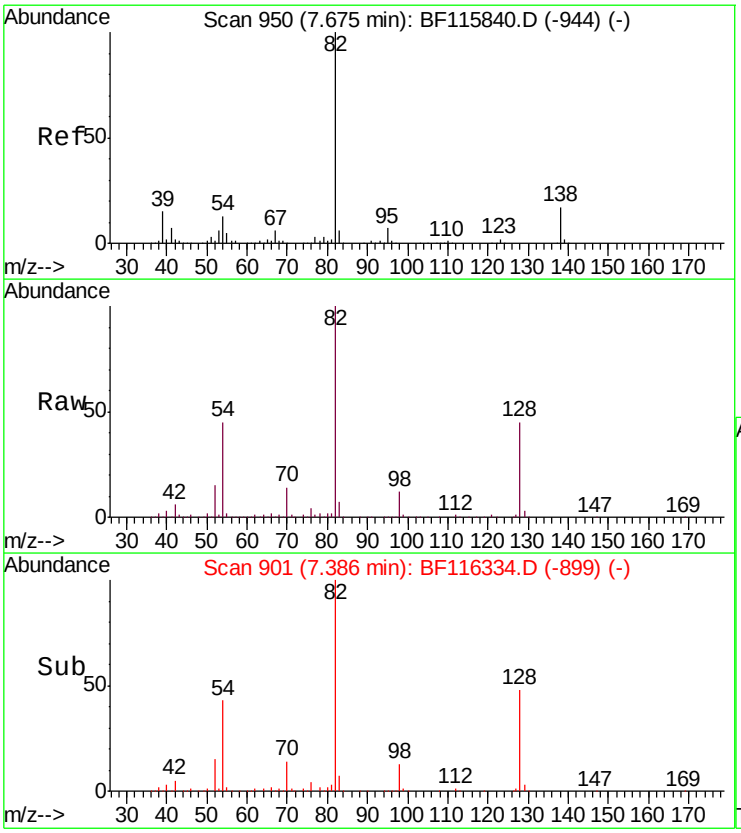
#24
Nitrobenzene
Concen: 5.607 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.08 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion: 77 Resp: 59949

Ion	Ratio	Lower	Upper
77	100		
123	2.4	36.7	55.1#
65	16.8	10.6	16.0#

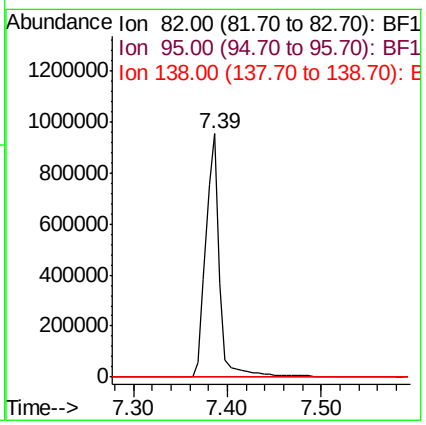


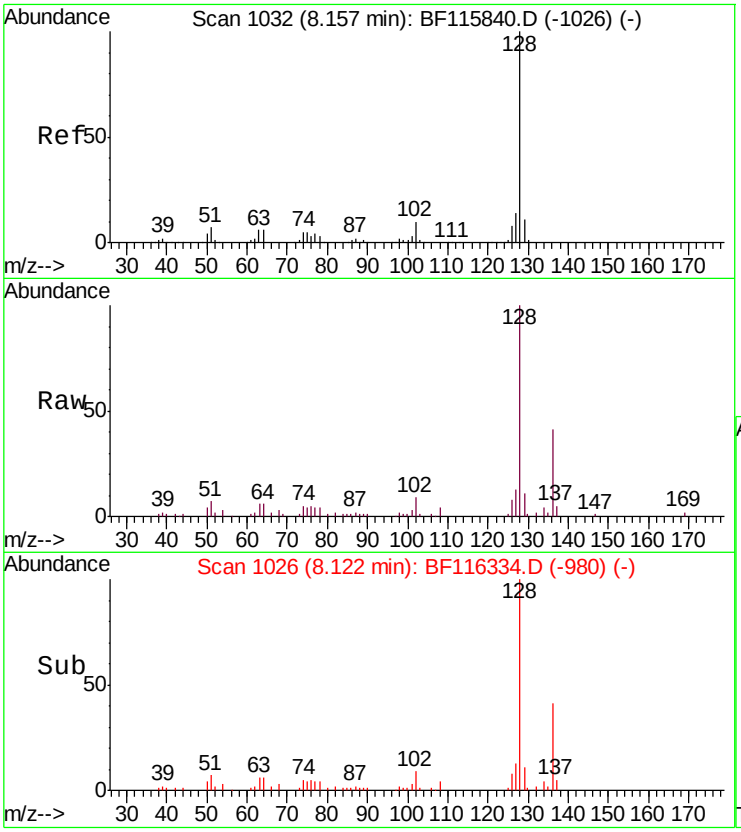


#25
Isophorone
Concen: 52.534 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.29 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion: 82 Resp: 994673

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	14.5	21.7#



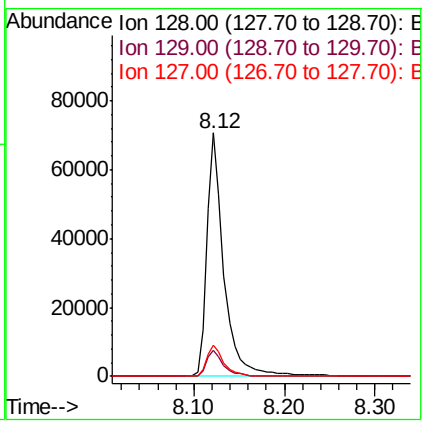


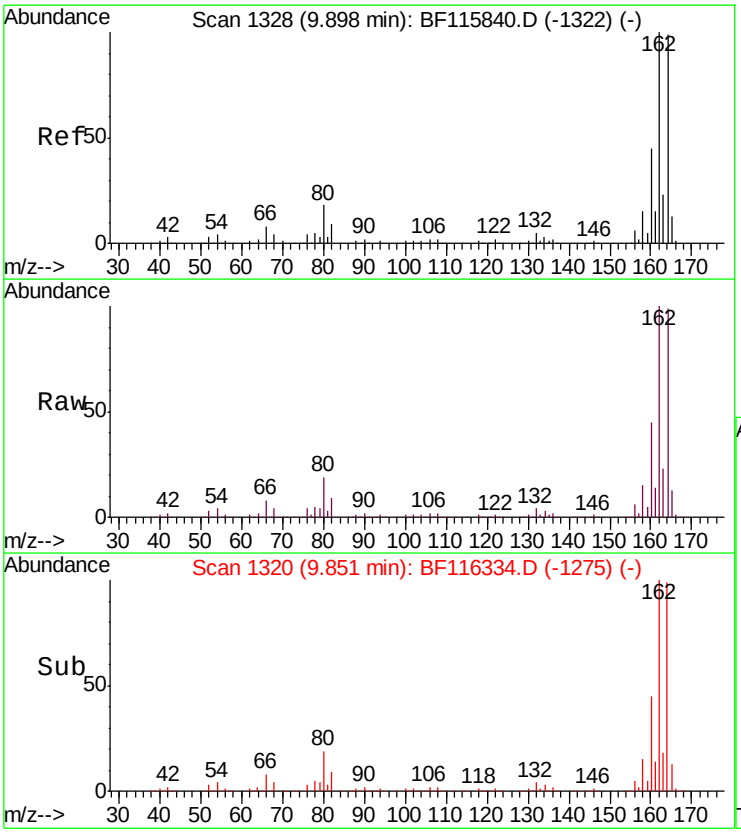
#31
Naphthalene
Concen: 3.452 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.03 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:128 Resp: 92836

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.3	13.9
127	12.8	11.4	17.0

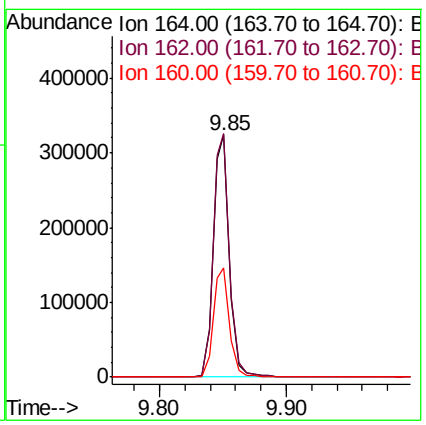


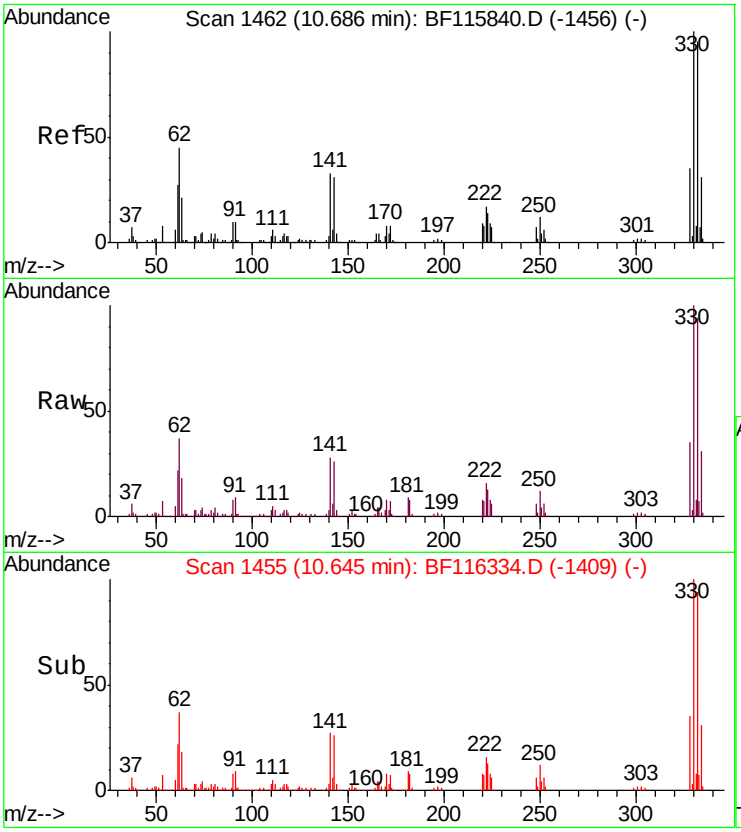


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.04 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:164 Resp: 288819

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.6	124.0
160	45.0	37.6	56.4



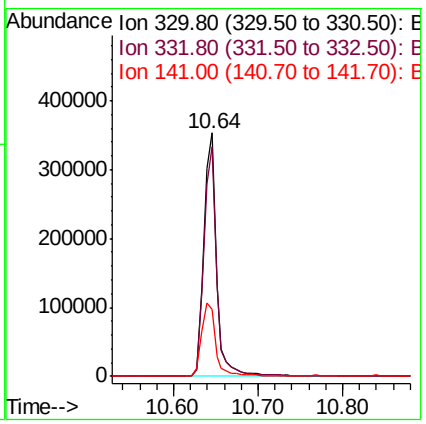


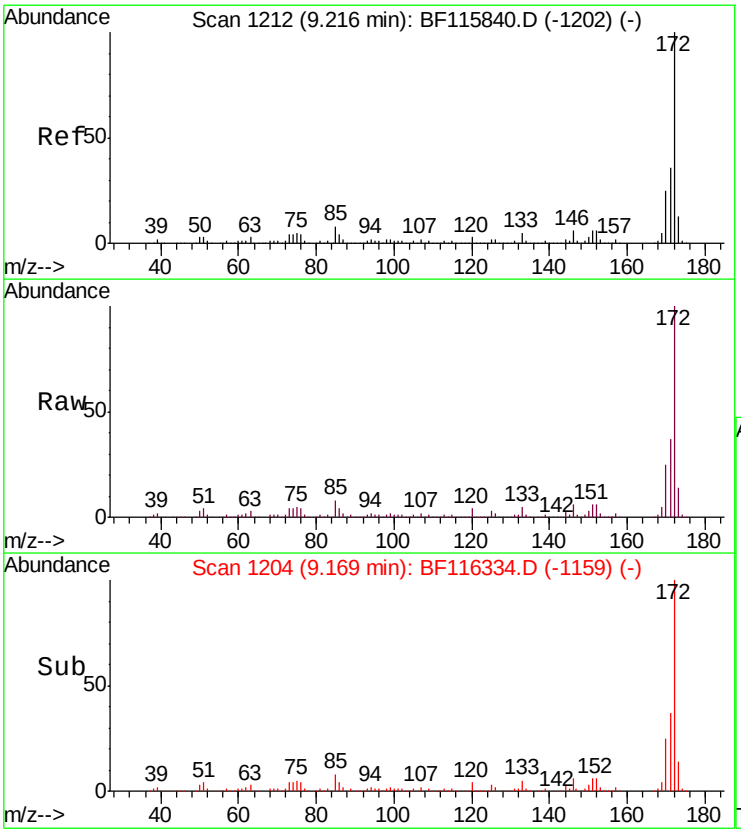
#42
2,4,6-Tribromophenol
Concen: 131.868 ng
RT: 10.64 min Scan# 1455
Delta R.T. -0.03 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:330 Resp: 369254

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.8	115.2
141	33.0	26.3	39.5

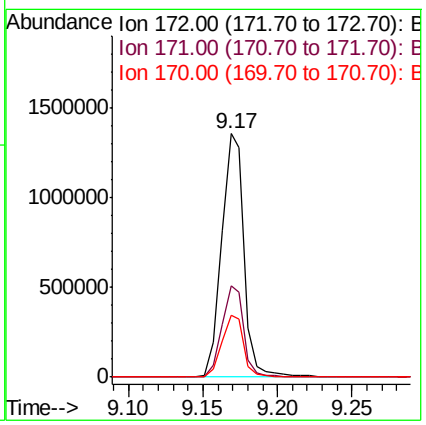


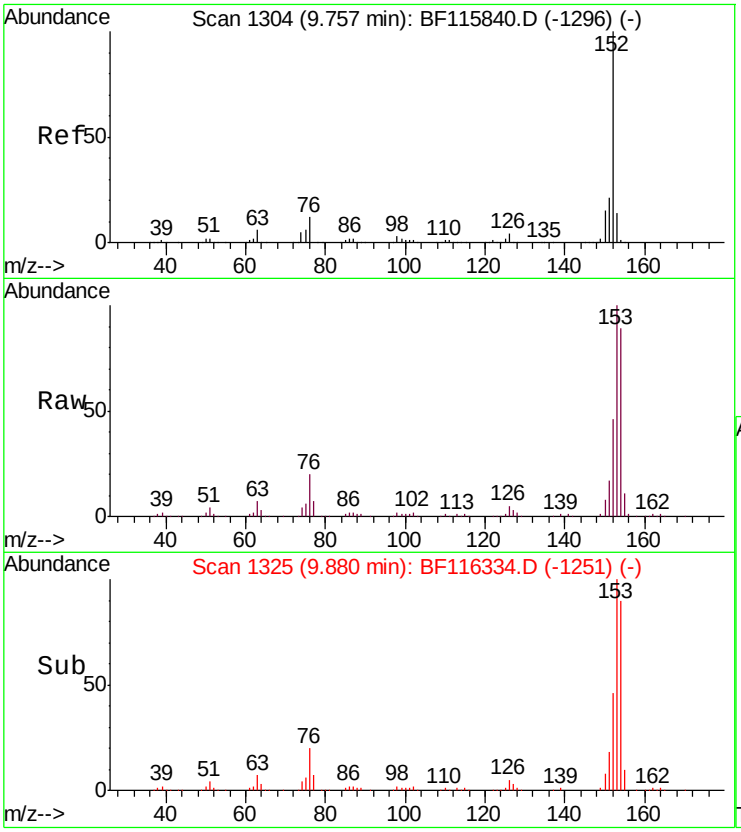


#45
2-Fluorobiphenyl
Concen: 93.919 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.04 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:172 Resp: 1448184

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.6	44.4
170	25.5	20.1	30.1



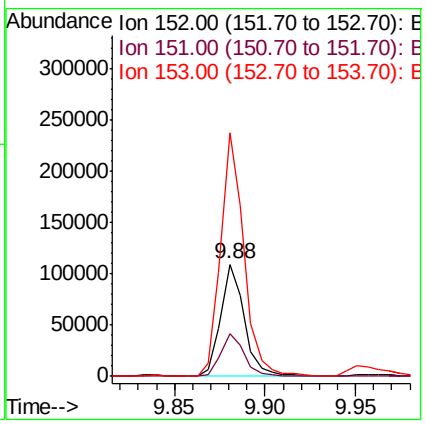


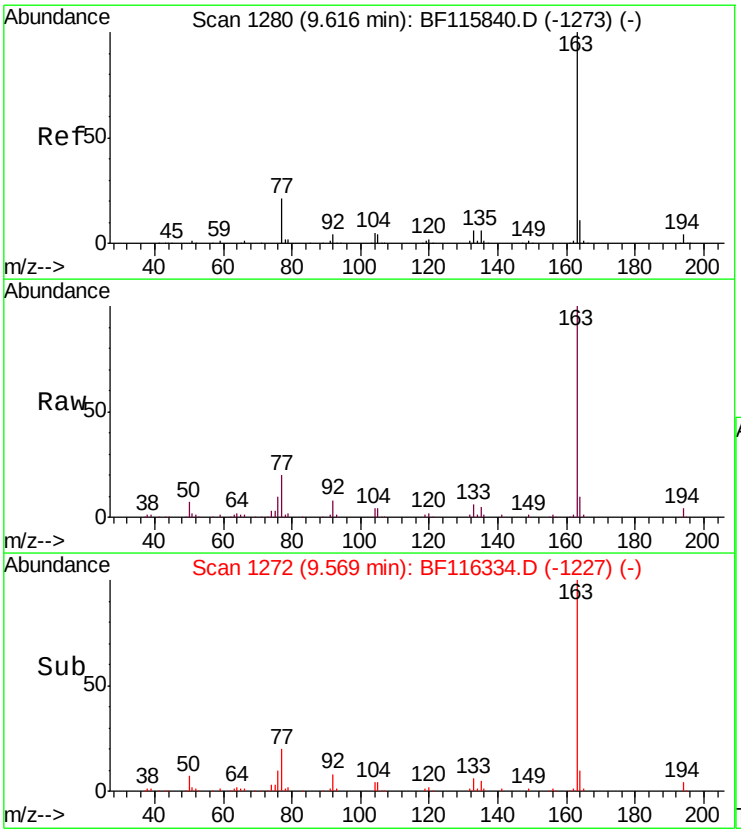
#49
Acenaphthylene
Concen: 4.044 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.14 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:152 Resp: 100115

Ion	Ratio	Lower	Upper
152	100		
151	37.8	17.2	25.8#
153	216.6	11.8	17.8#

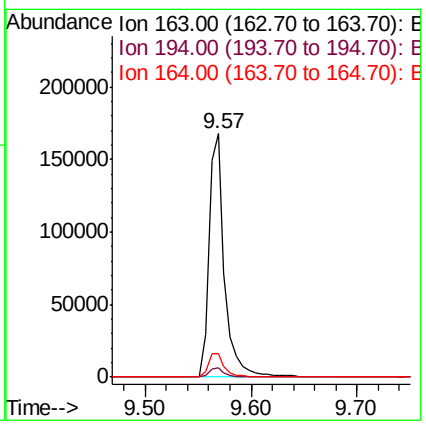


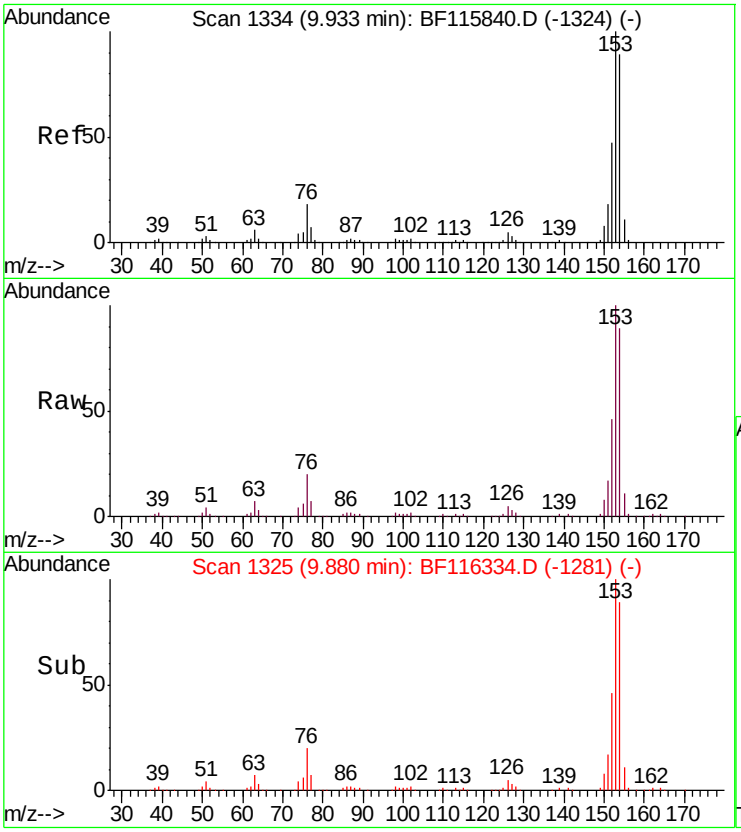


#50
Dimethylphthalate
Concen: 8.747 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.04 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:163 Resp: 172005

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	9.7	8.4	12.6



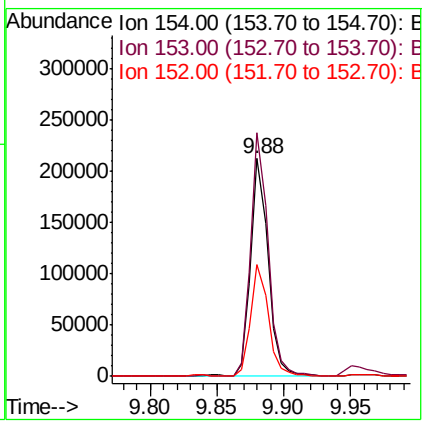


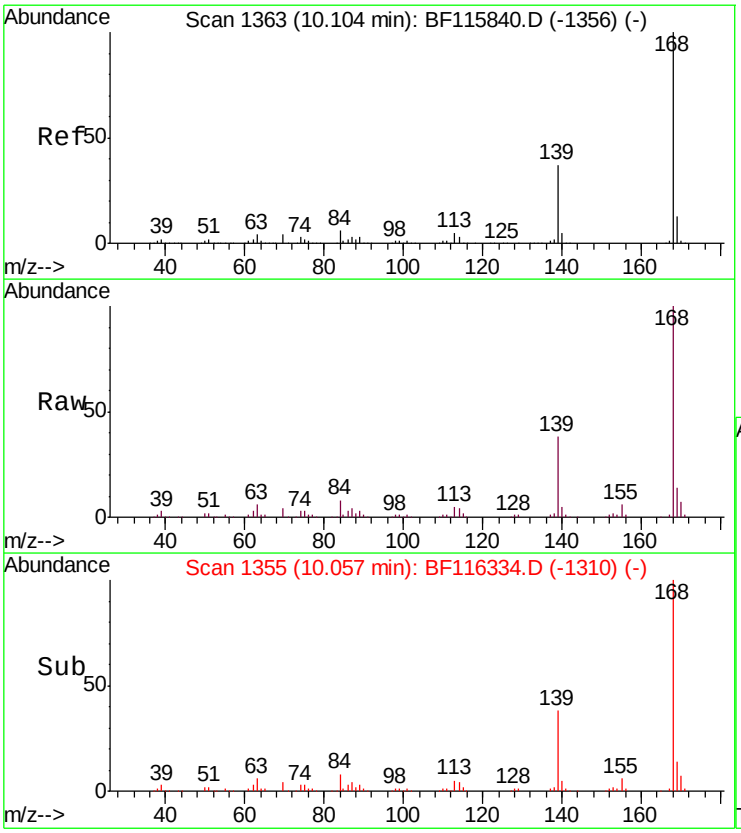
#52
Acenaphthene
Concen: 12.537 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.04 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:154 Resp: 190435

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.4	134.0
152	51.6	42.3	63.5

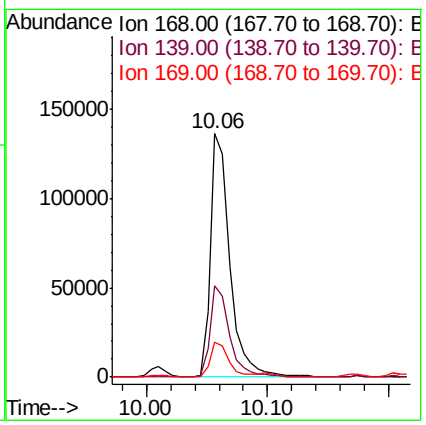


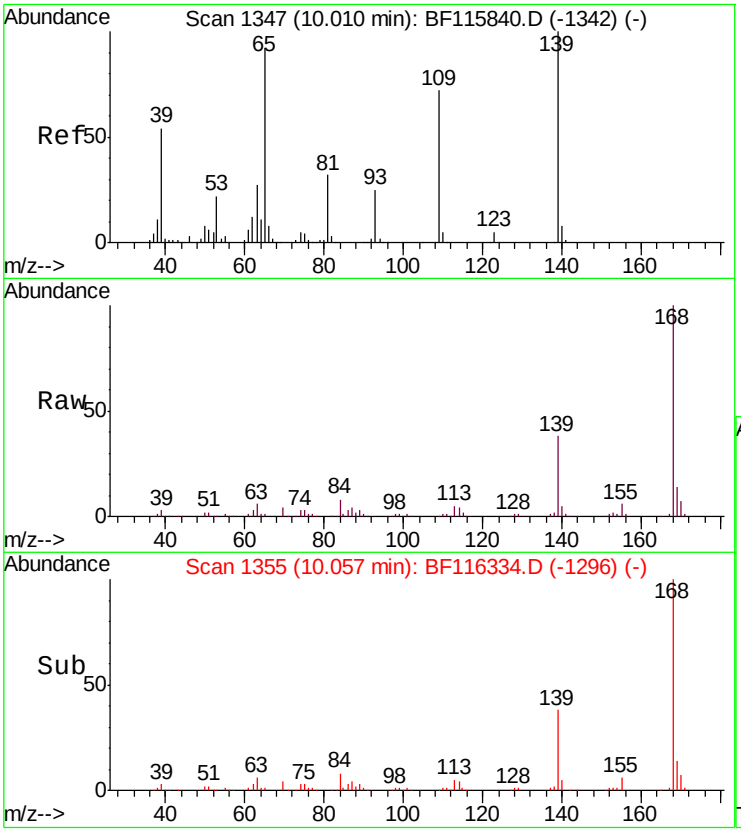


#55
Dibenzofuran
Concen: 6.814 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.04 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:168 Resp: 150510

Ion	Ratio	Lower	Upper
168	100		
139	37.6	31.4	47.2
169	14.2	10.9	16.3



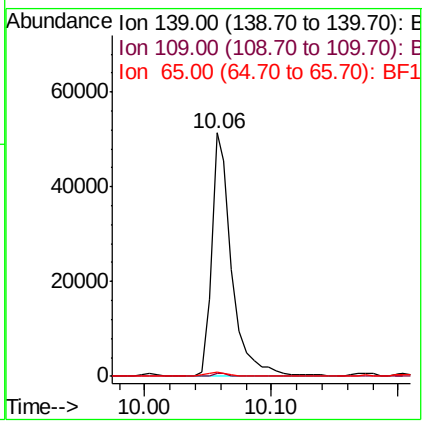


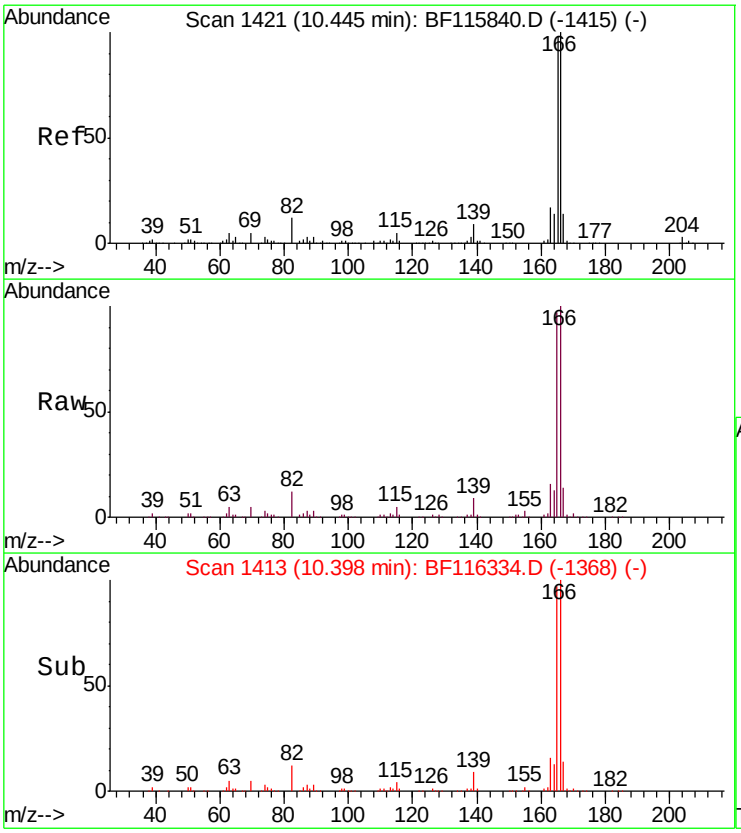
#56
4-Nitrophenol
Concen: 16.875 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.05 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:139 Resp: 57084

Ion	Ratio	Lower	Upper
139	100		
109	1.2	54.4	94.4#
65	1.9	80.6	120.6#

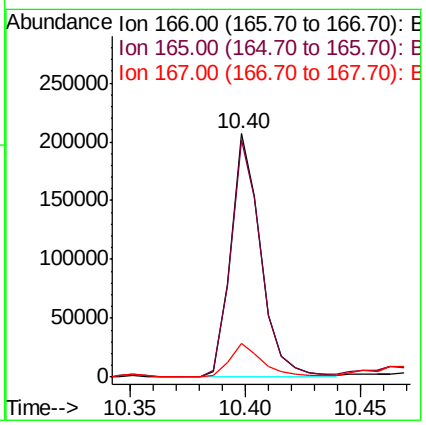


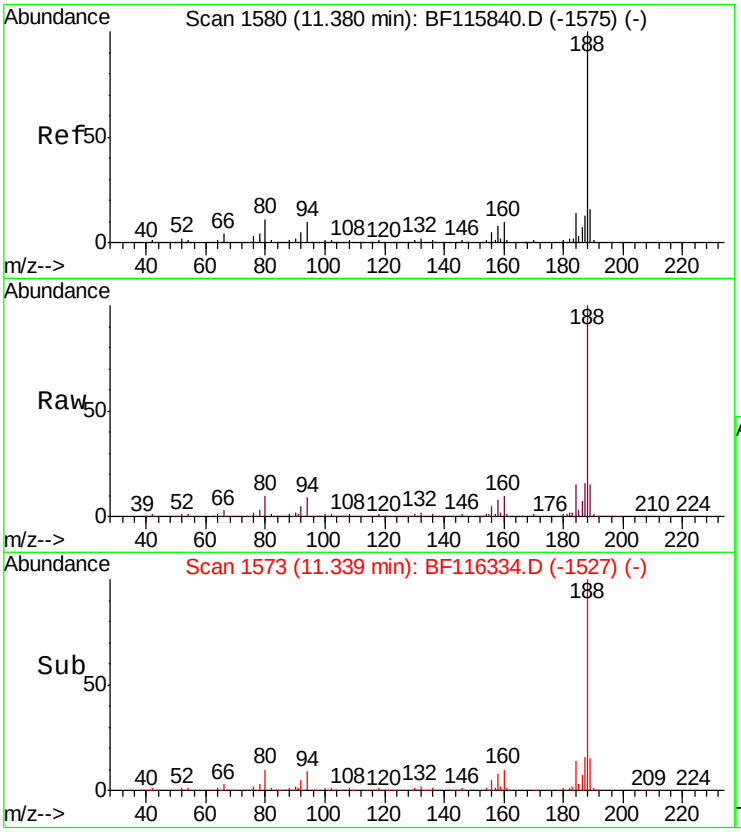


#58
Fluorene
Concen: 11.045 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.04 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:166 Resp: 187700

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.4	117.6
167	13.8	11.0	16.4



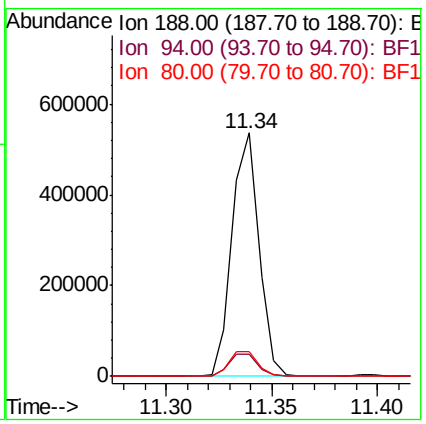


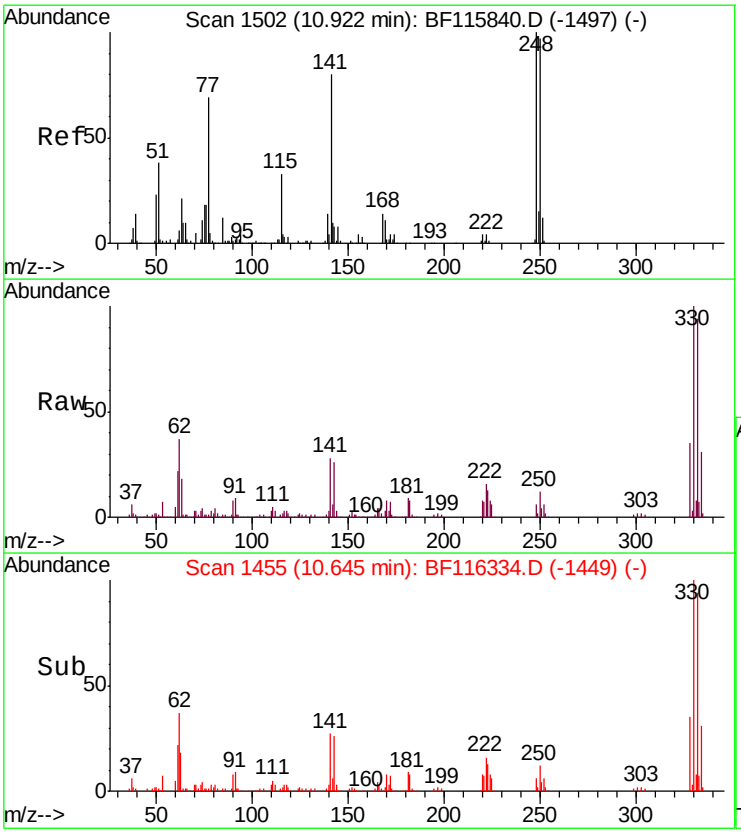
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.03 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:188 Resp: 470815

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.1	12.1
80	10.0	8.7	13.1

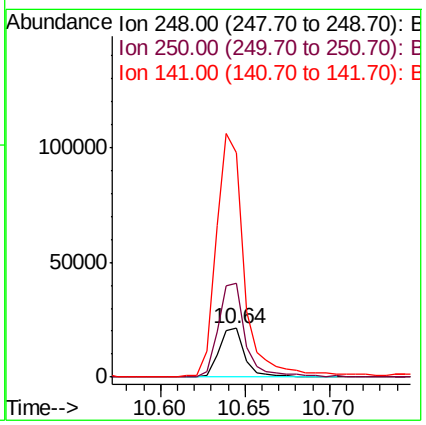


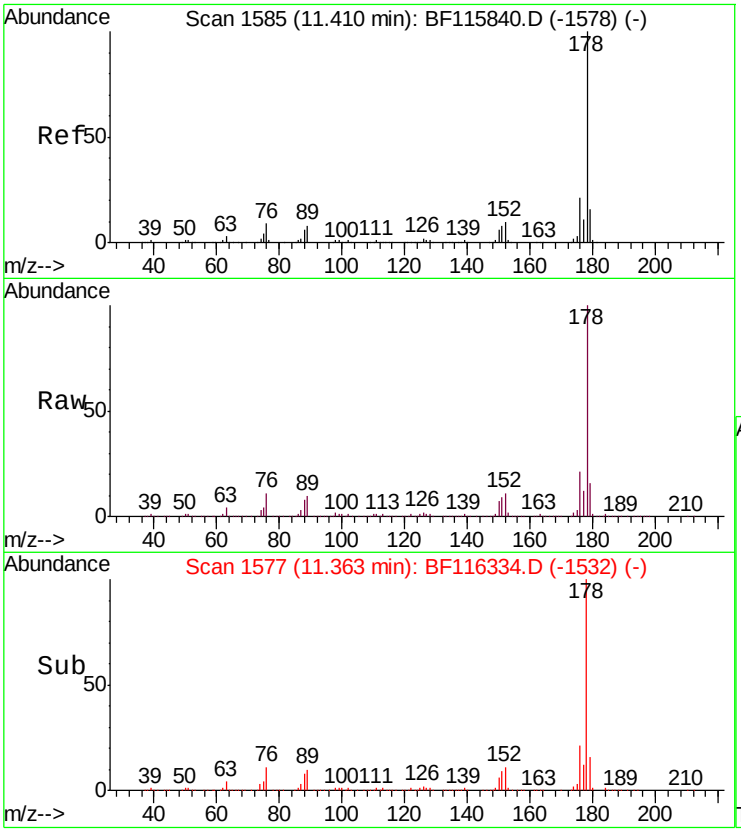


#67
4-Bromophenyl-phenylether
Concen: 4.493 ng
RT: 10.64 min Scan# 1455
Delta R.T. -0.26 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:248 Resp: 22647

Ion	Ratio	Lower	Upper
248	100		
250	192.5	77.4	116.2#
141	457.9	56.8	85.2#



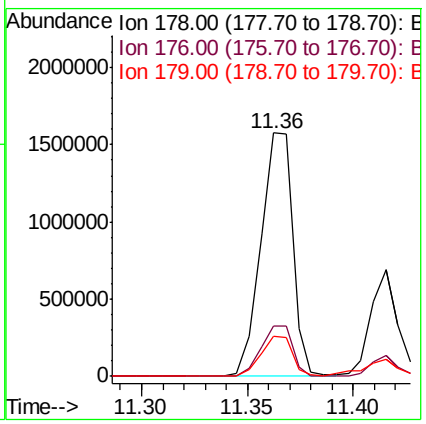


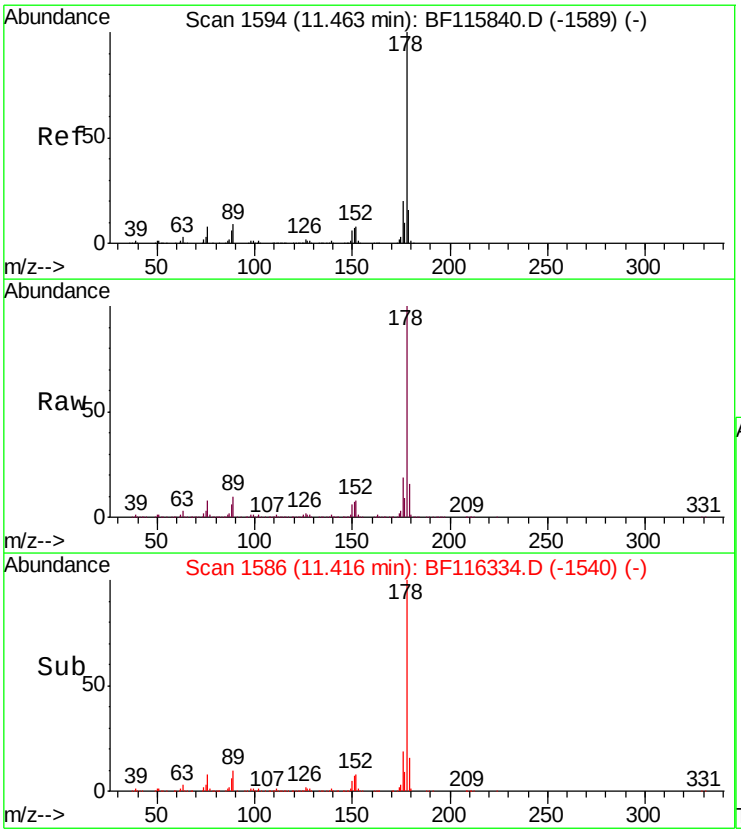
#71
Phenanthrene
Concen: 69.164 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.04 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:178 Resp: 1664711

Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.6	24.8
179	16.5	12.5	18.7

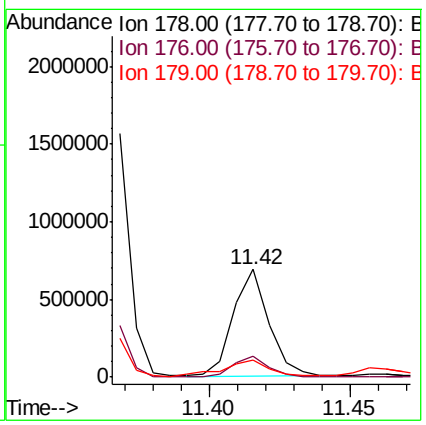


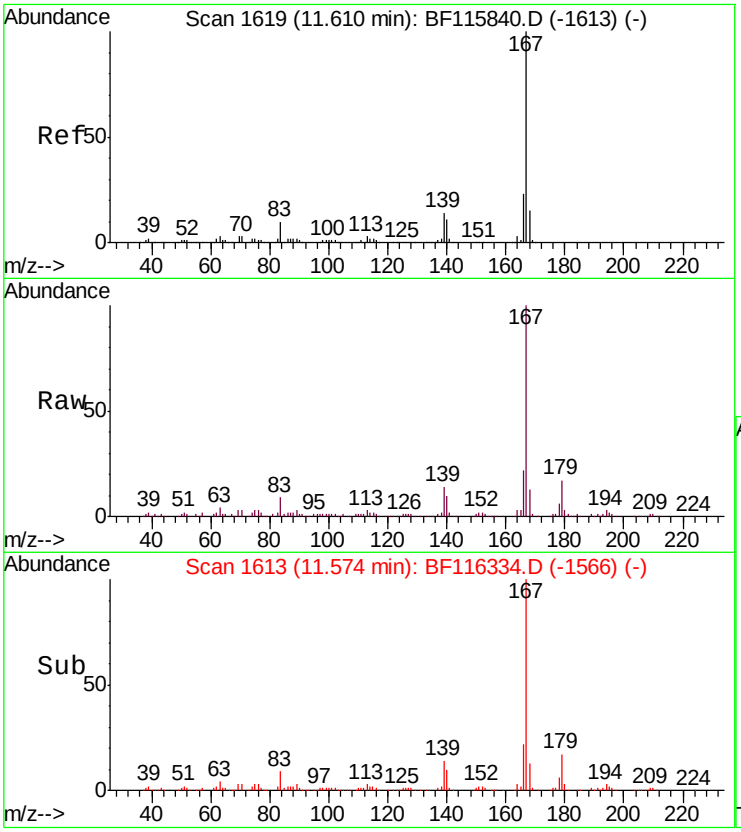


#72
Anthracene
Concen: 24.746 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.03 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:178 Resp: 602779

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.9	13.0	19.6



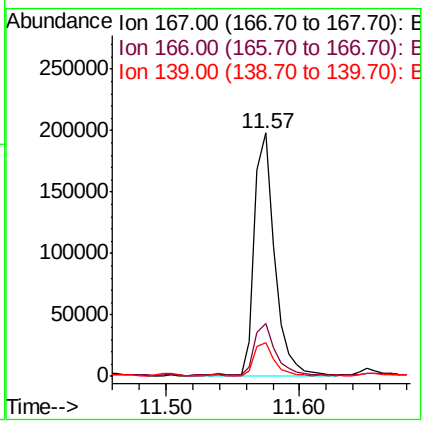


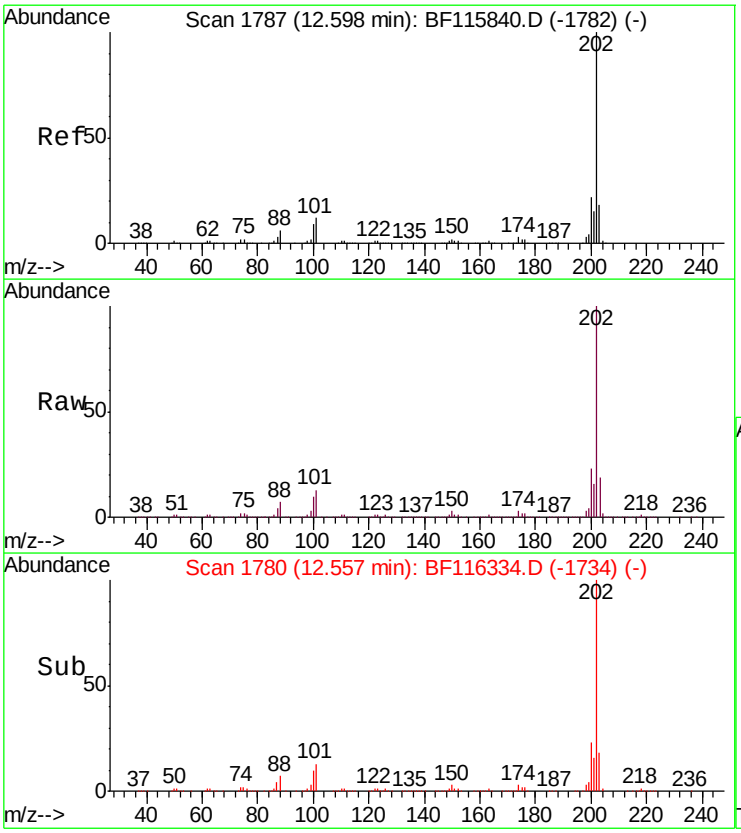
#73
Carbazole
Concen: 9.224 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:167 Resp: 203854

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.8	26.6
139	13.7	11.4	17.0

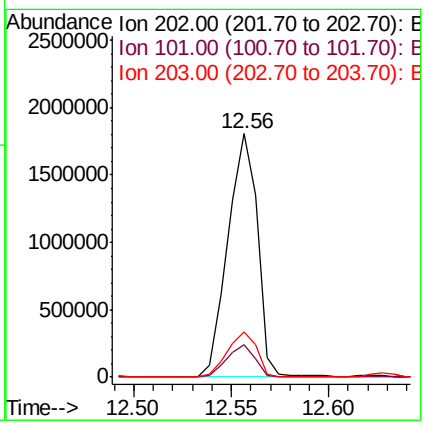


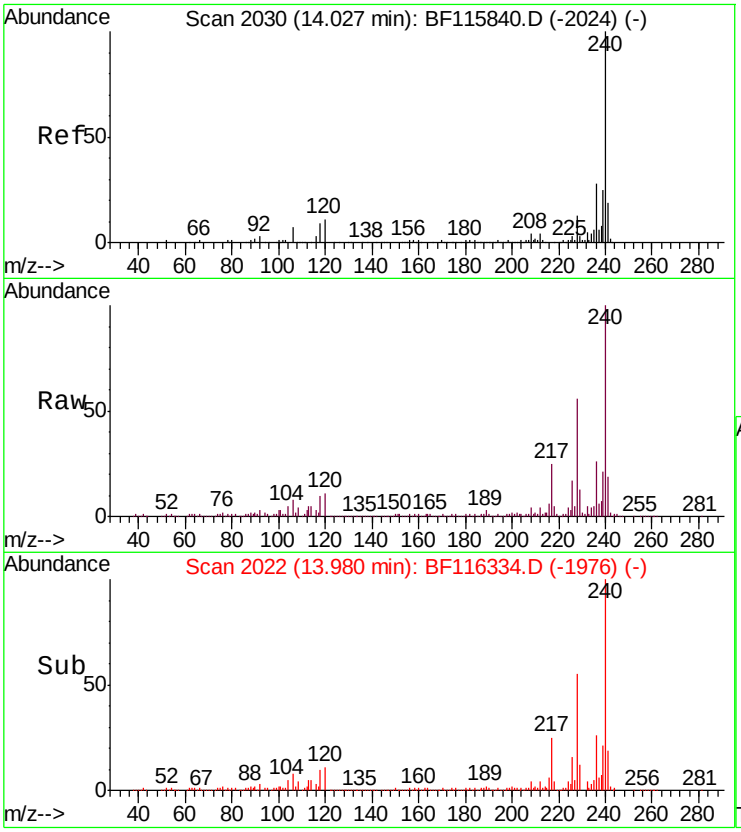


#75
Fluoranthene
Concen: 75.451 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.03 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:202 Resp: 1901200

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	31.2
203	18.5	0.0	37.8



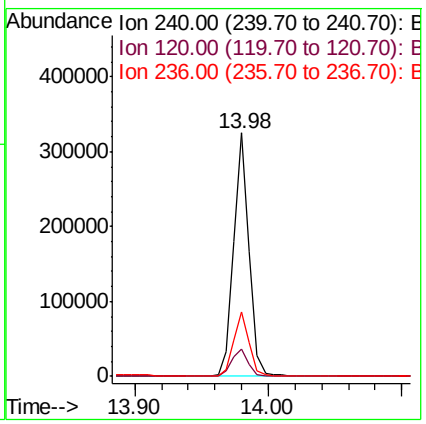


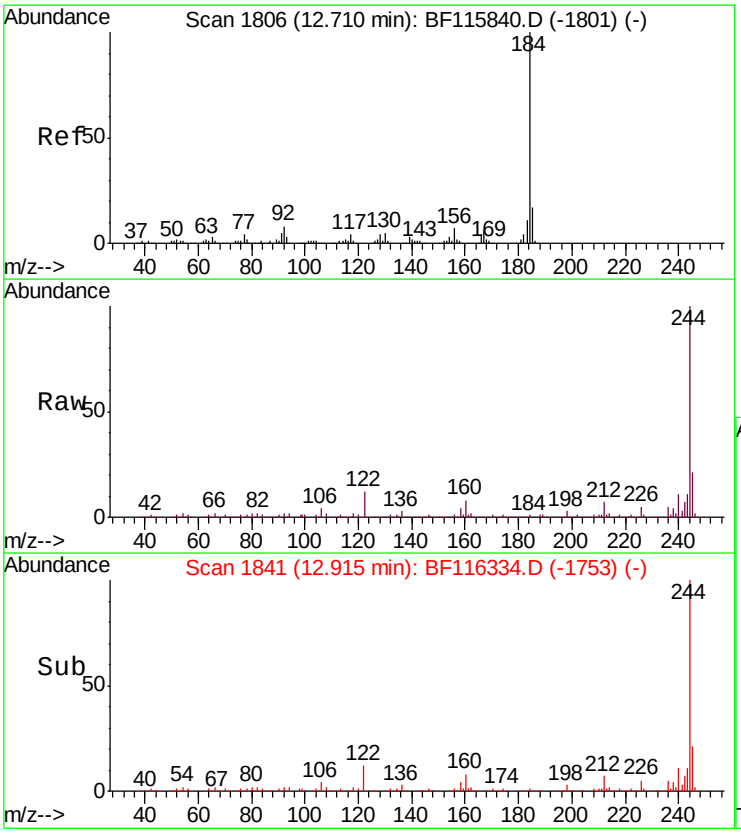
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.03 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:240 Resp: 262912

Ion	Ratio	Lower	Upper
240	100		
120	11.5	10.7	16.1
236	26.3	22.2	33.2

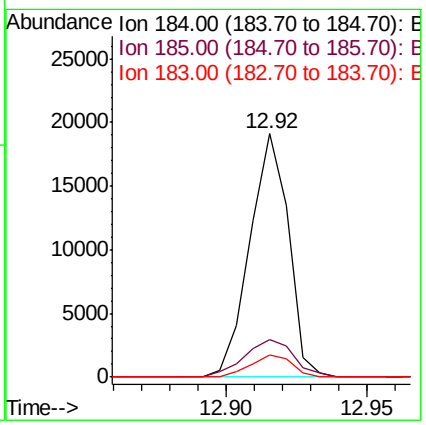


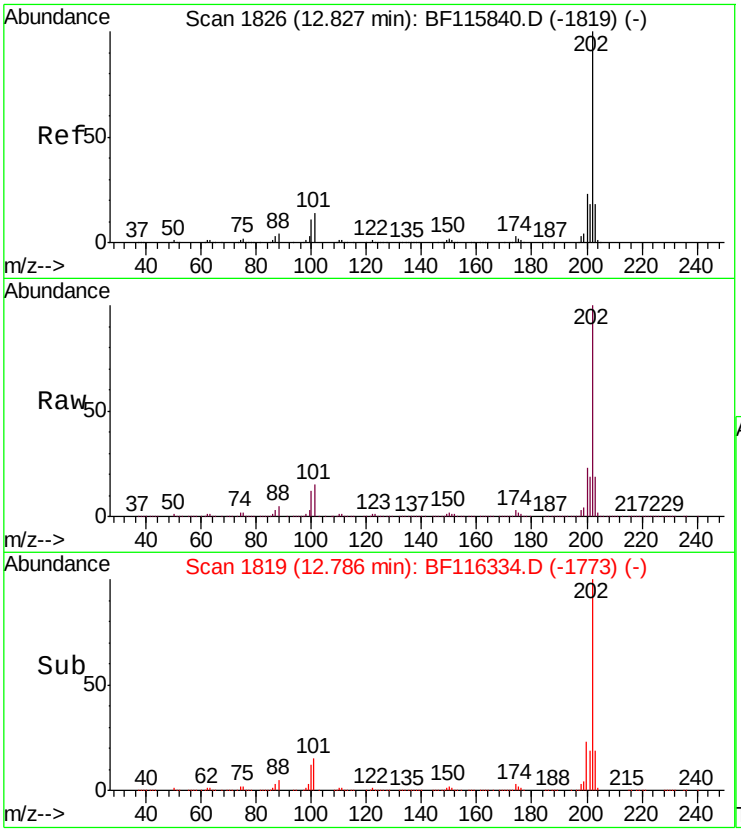


#77
Benzidine
Concen: 2.043 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.22 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:184 Resp: 18149

Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.8	19.2
183	9.0	9.4	14.0#



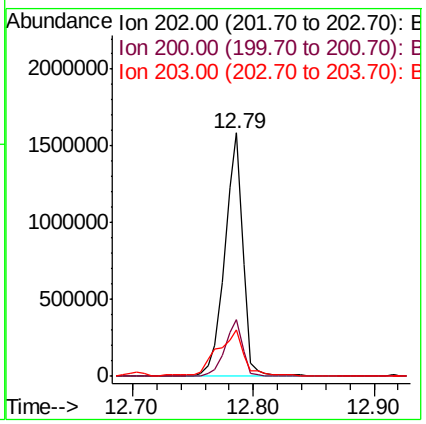


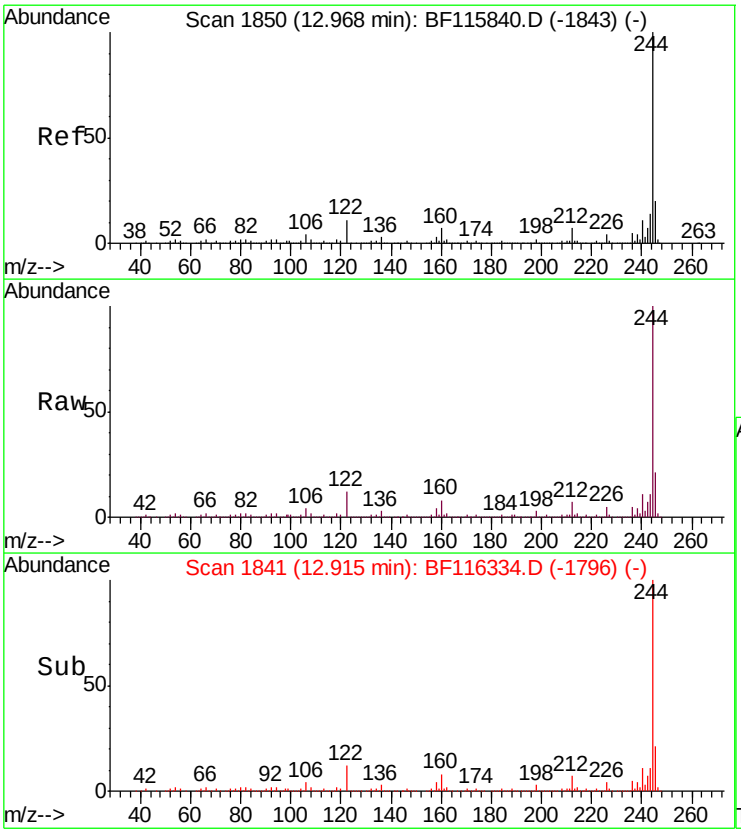
#78
Pyrene
Concen: 81.824 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.03 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:202 Resp: 1621636

Ion	Ratio	Lower	Upper
202	100		
200	23.1	18.0	27.0
203	18.8	14.1	21.1

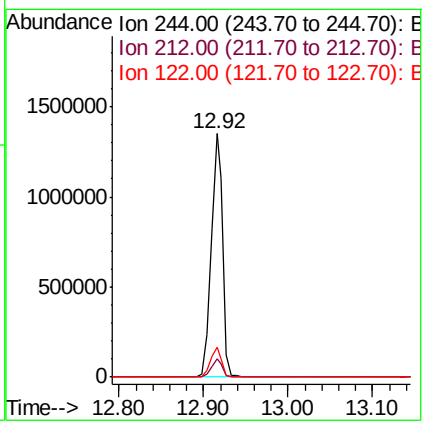


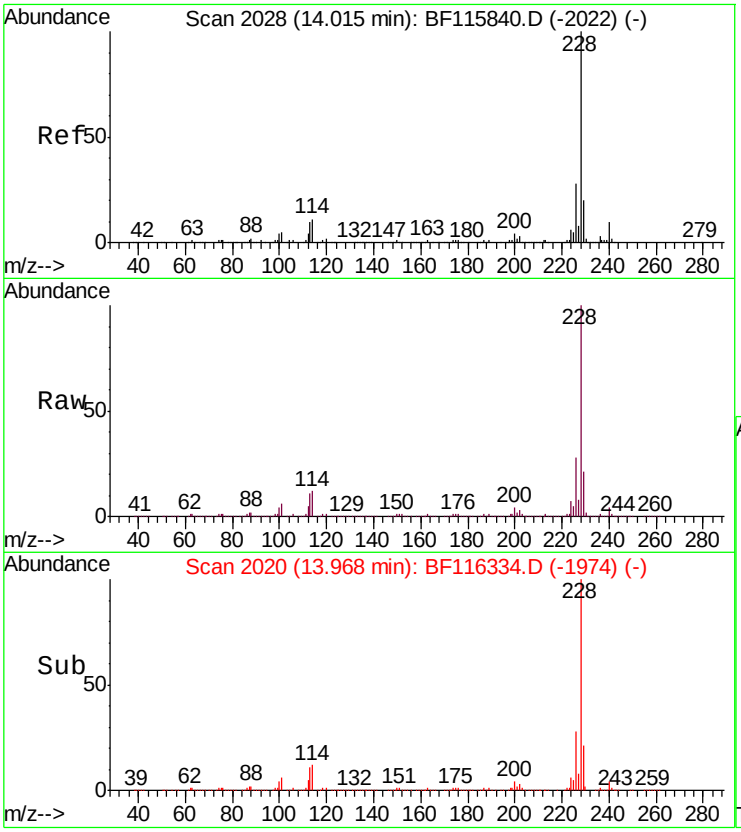


#79
Terphenyl-d14
Concen: 104.821 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.04 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:244 Resp: 1307861

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	12.3	9.0	13.4



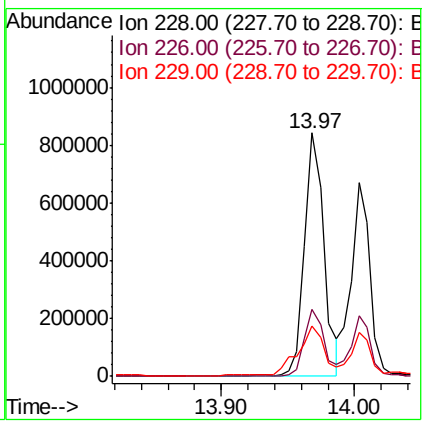


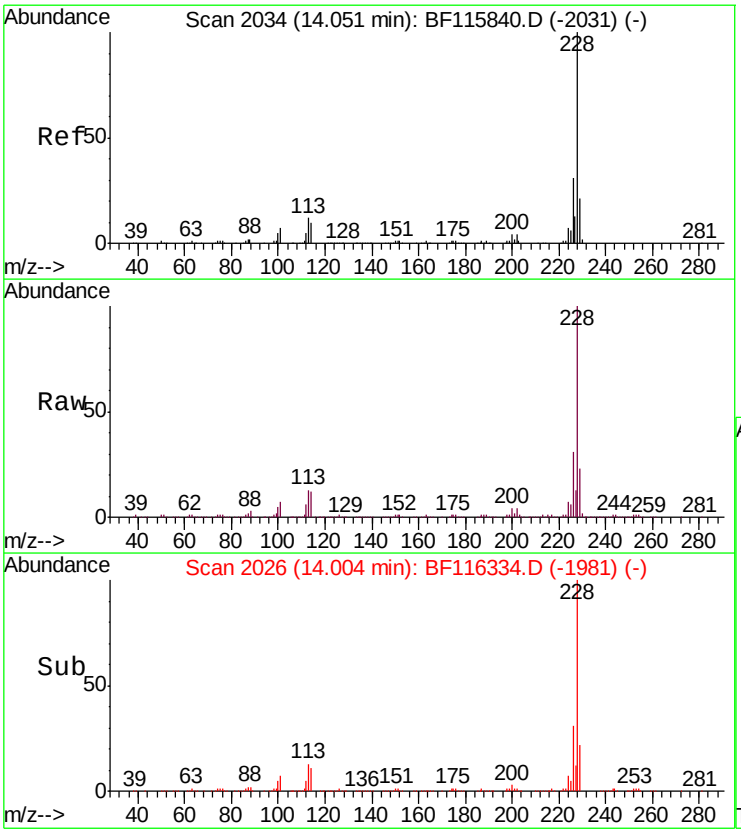
#81
Benzo(a)anthracene
Concen: 49.929 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.03 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:228 Resp: 839032

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.7	34.1
229	20.8	16.2	24.4

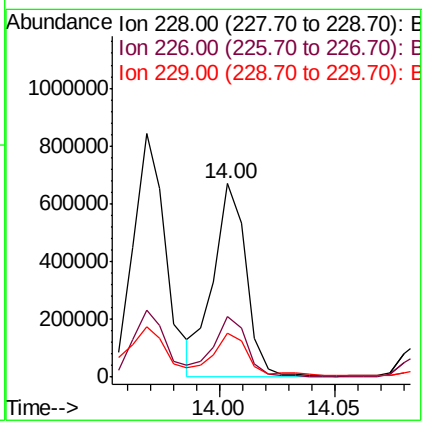


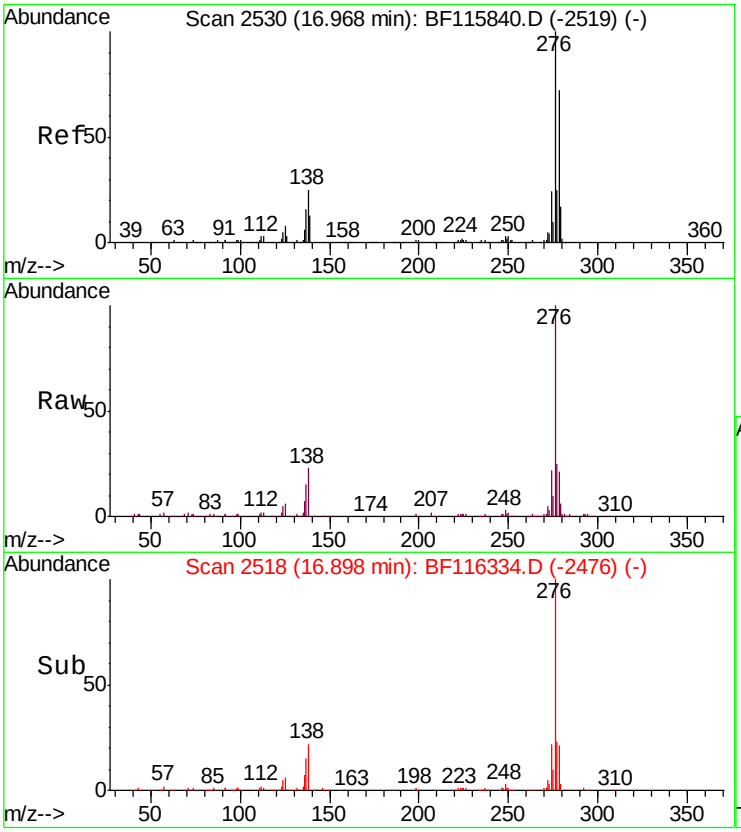


#83
Chrysene
Concen: 40.701 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.04 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:228 Resp: 664009

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.5	38.3
229	23.0	16.6	24.8



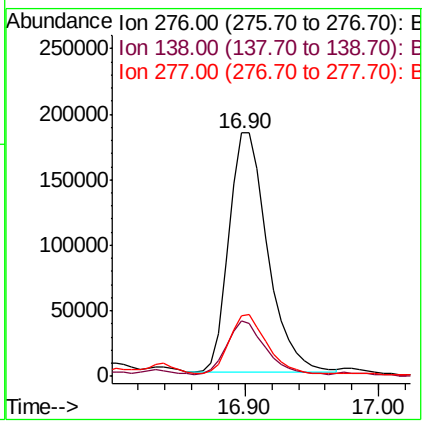


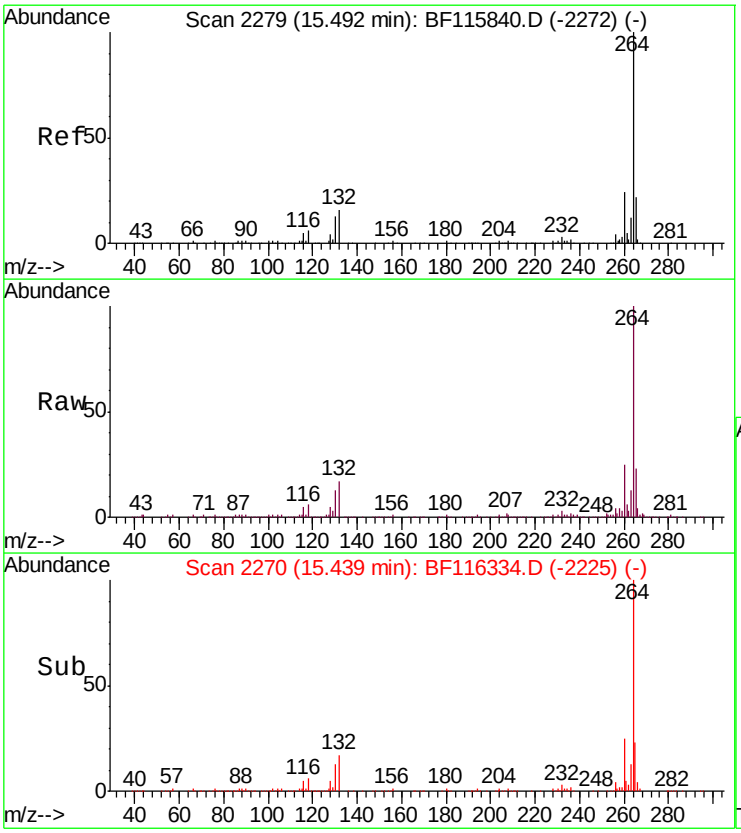
#86
Indeno(1,2,3-cd)pyrene
Concen: 27.135 ng
RT: 16.90 min Scan# 2518
Delta R.T. -0.05 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:276 Resp: 371815

Ion	Ratio	Lower	Upper
276	100		
138	22.7	20.4	30.6
277	23.5	20.0	30.0

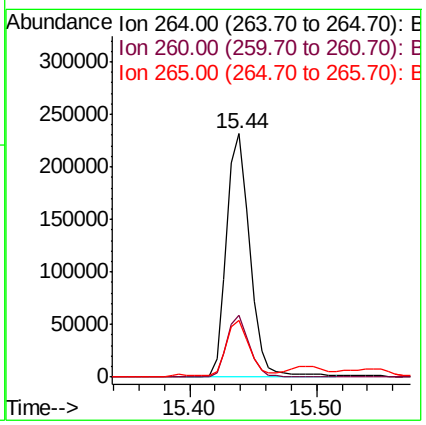


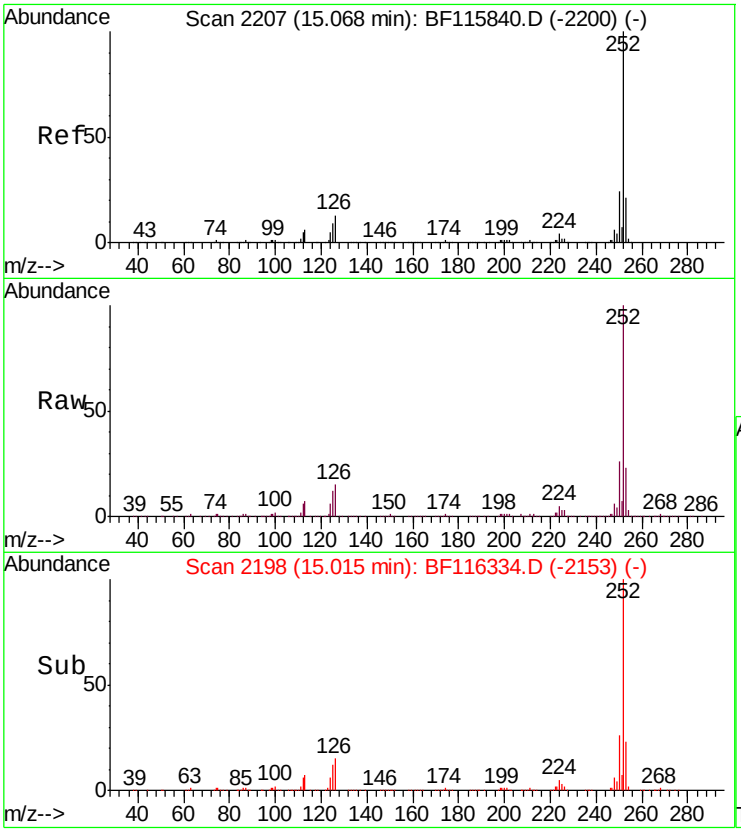


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.04 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:264 Resp: 292048

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.7	29.5
265	23.3	17.4	26.0



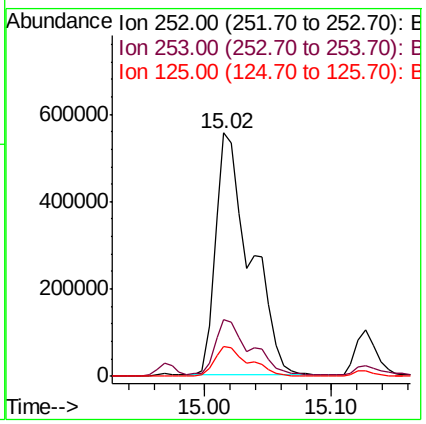


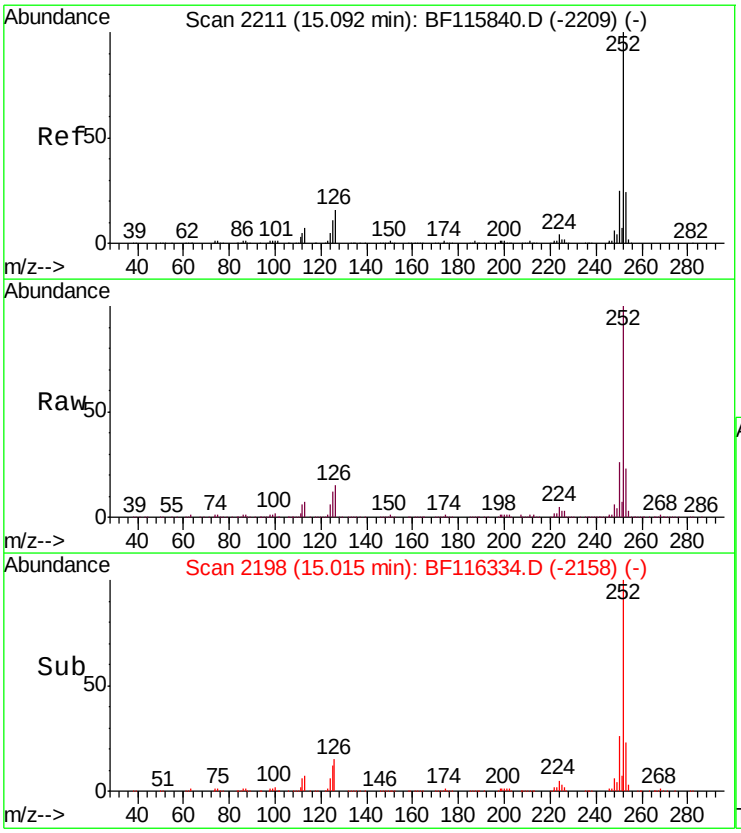
#88
Benzo(b)fluoranthene
Concen: 62.996 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.04 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:252 Resp: 1063786

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.1	8.4	12.6

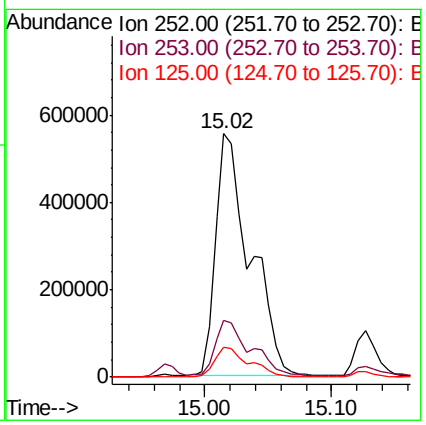


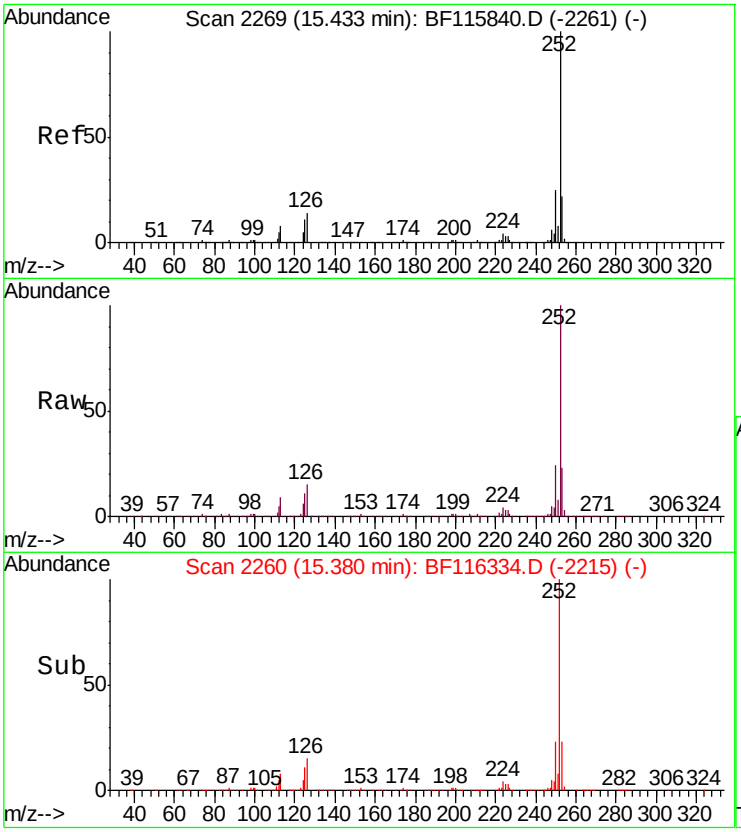


#89
Benzo(k)fluoranthene
Concen: 64.659 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.06 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:252 Resp: 1063489

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	12.1	7.7	11.5#



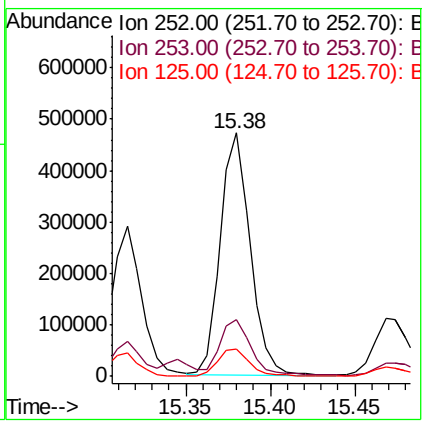


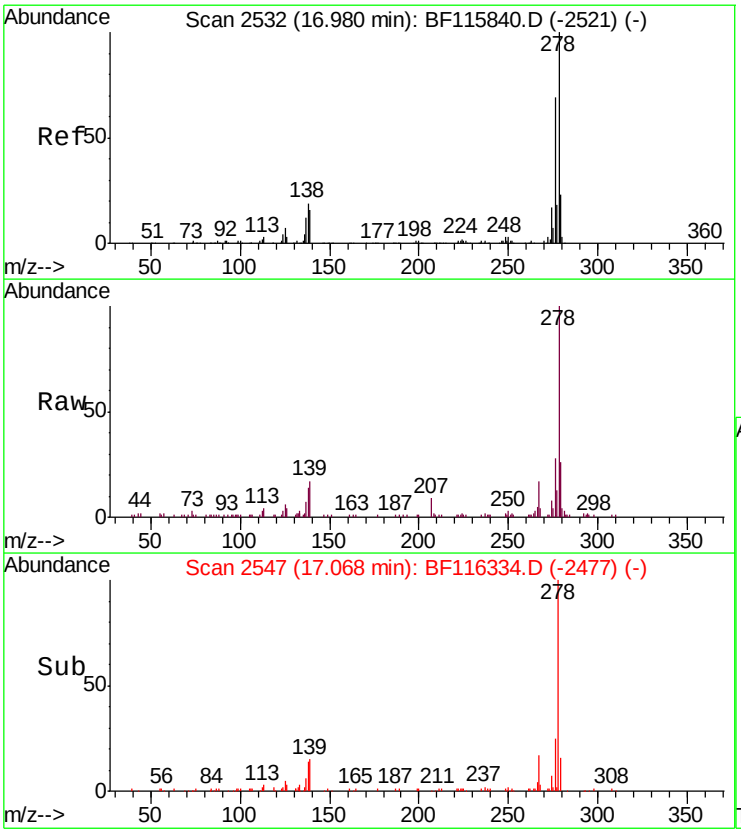
#90
Benzo(a)pyrene
Concen: 38.689 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.04 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:252 Resp: 584027

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.3	8.9	13.3

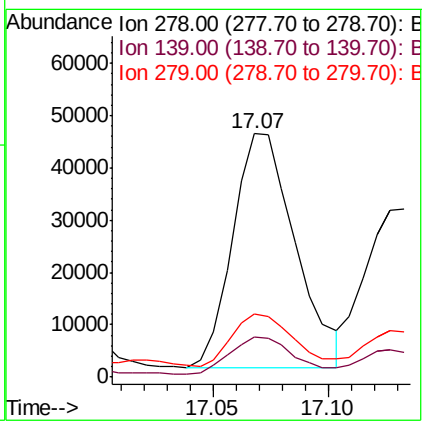


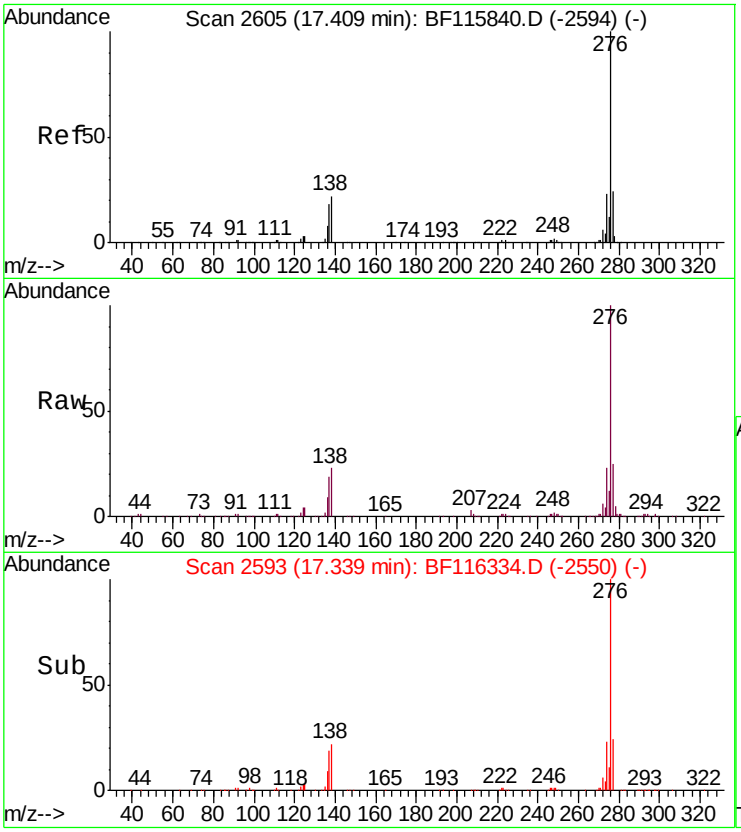


#91
Dibenzo(a,h)anthracene
Concen: 6.445 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.11 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Tgt Ion:278 Resp: 84218

Ion	Ratio	Lower	Upper
278	100		
139	16.6	12.8	19.2
279	26.2	18.8	28.2





#92
Benzo(g,h,i)perylene
Concen: 26.154 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.05 min
Lab File: BF116334.D
Acq: 16 Aug 2019 22:50

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Tgt Ion:276 Resp: 335629

Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.4	27.6
138	23.0	17.0	25.6