Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071819\

Quantitation Report (Not Reviewed)

Data File : BF115658.D
Acq On : 18 Jul 2019 21:52
Operator : HP/JU
Sample : K3874-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HJDC-GRABE

Quant Time: Jul 19 07:41:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	175037	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	673947	20.00	ng		0.00
39) Acenaphthene-d10	9.92	164	335596	20.00	ng		-0.01
64) Phenanthrene-d10	11.40	188	547271	20.00	ng		-0.01
76) Chrysene-d12	14.03	240	441540	20.00	ng		-0.02
87) Perylene-d12	15.50	264	394339	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	107783	10.07	ng		-0.01
7) Phenol-d6	6.50	99	207397	15.27	ng		-0.02
23) Nitrobenzene-d5	7.43	82	112139	9.68	ng		-0.02
42) 2,4,6-Tribromophenol	10.70	330	102967	26.29	ng		-0.02
45) 2-Fluorobiphenyl	9.23	172	292883	15.28	ng		-0.02
79) Terphenyl-d14	12.97	244	490751	20.51	ng		-0.02
Target Compounds							Qvalue
25) Isophorone	7.43	82	109854	4.737	ng	#	64
51) 2,6-Dinitrotoluene	9.92	165	43321	7.550	ng	#	27
57) 2,4-Dinitrotoluene	9.92	165	43322	5.828	ng	#	24
71) Phenanthrene	11.42	178	491774	17.530	ng		97
72) Anthracene	11.47	178	121562	4.193	ng		97
75) Fluoranthene	12.61	202	904731	30.520	ng		97
78) Pyrene	12.84	202	815539	21.801	ng		97
81) Benzo(a)anthracene	14.03	228	462338	15.894	ng		99
83) Chrysene	14.06	228	443141	15.175	ng		97
86) Indeno(1,2,3-cd)pyrene	16.97	276	161789	6.521	ng		94
88) Benzo(b)fluoranthene	15.07	252	655067	25.798	ng		99
89) Benzo(k)fluoranthene	15.07	252	655067	28.936	ng		99
90) Benzo(a)pyrene	15.44	252	281643	12.905	ng		98
91) Dibenzo(a,h)anthracene	16.98	278	44227	2.308	ng	#	91
92) Benzo(g,h,i)perylene	17.41	276	139629	7.307	ng		97

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

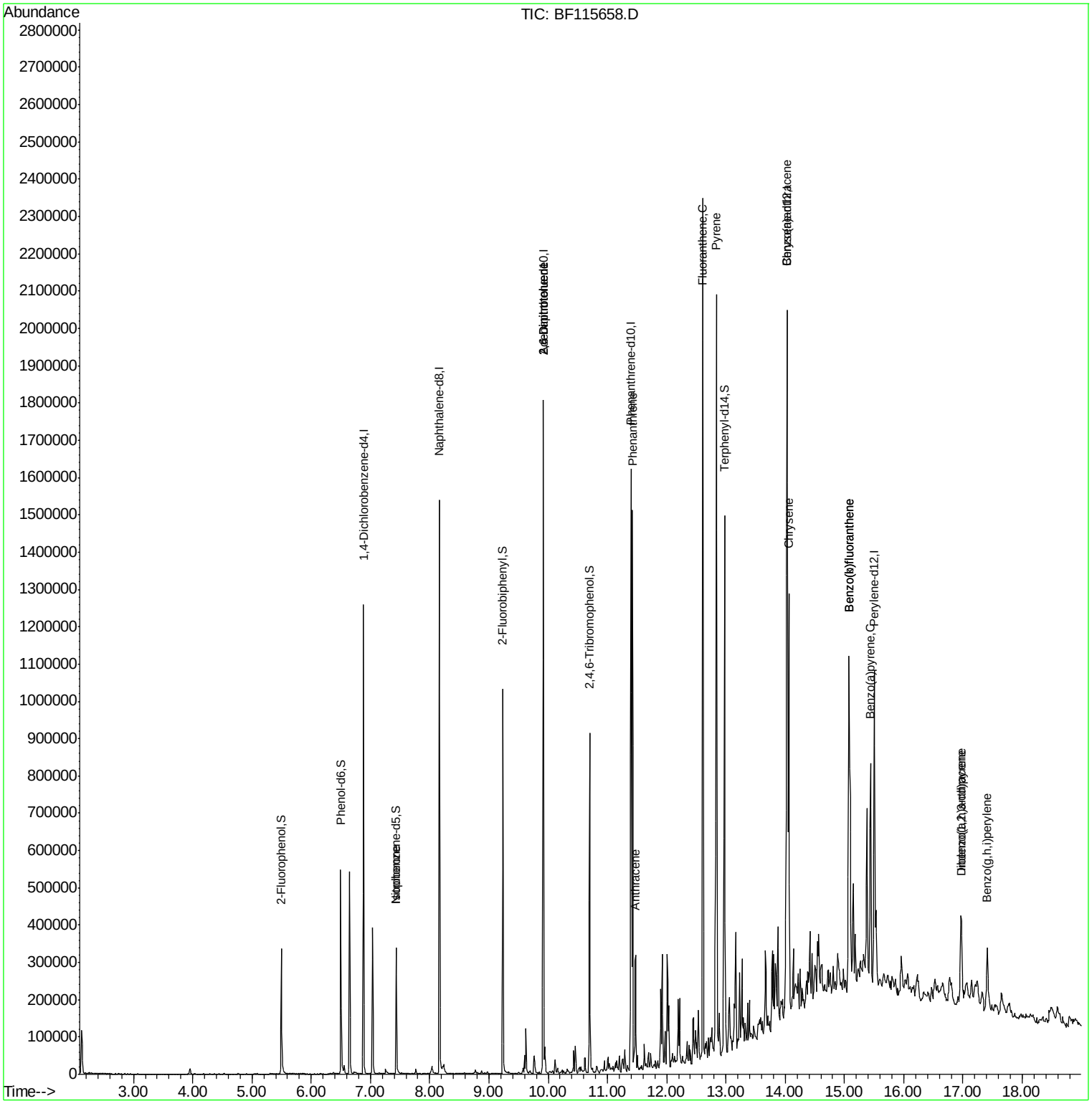
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071819\

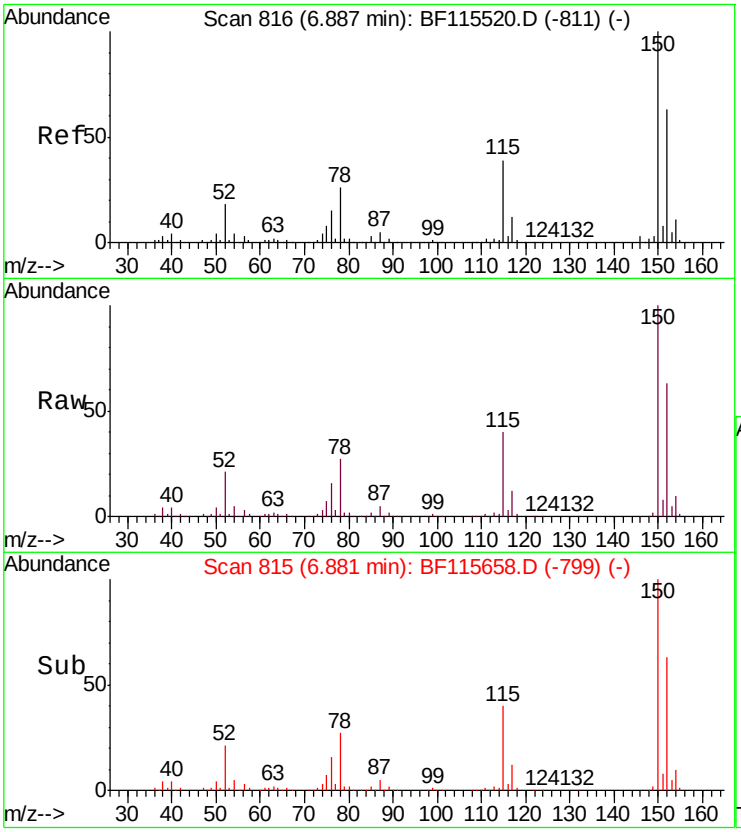
Quantitation Report (Not Reviewed)

Data File : BF115658.D
Acq On : 18 Jul 2019 21:52
Operator : HP/JU
Sample : K3874-05 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Quant Time: Jul 19 07:41:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration



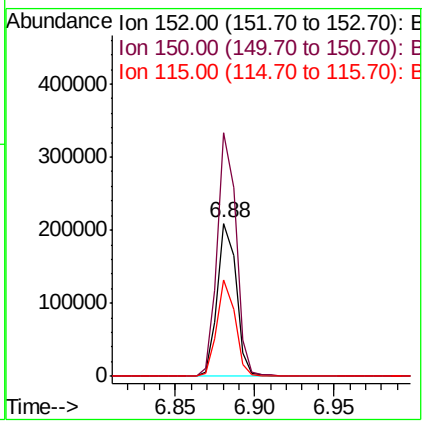


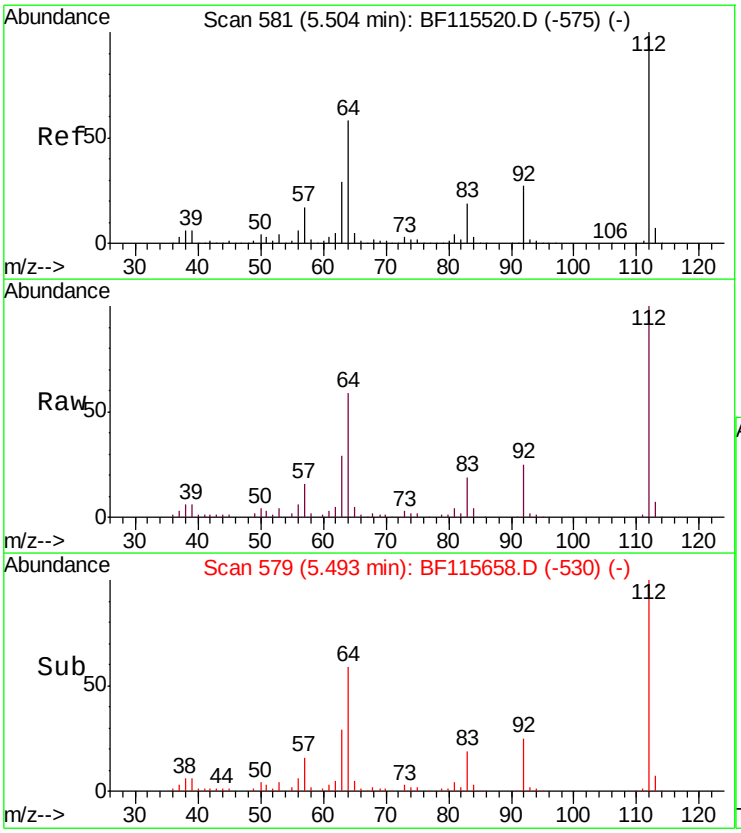
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion:152 Resp: 175037

Ion	Ratio	Lower	Upper
152	100		
150	158.8	129.7	194.5
115	62.8	48.2	72.4

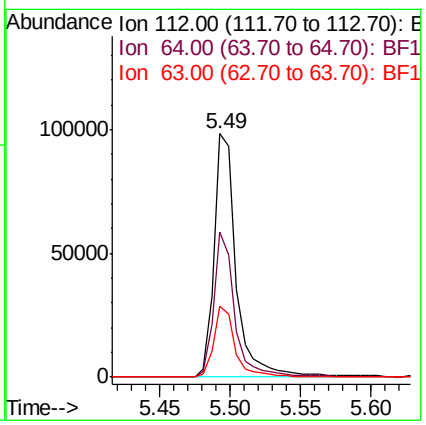


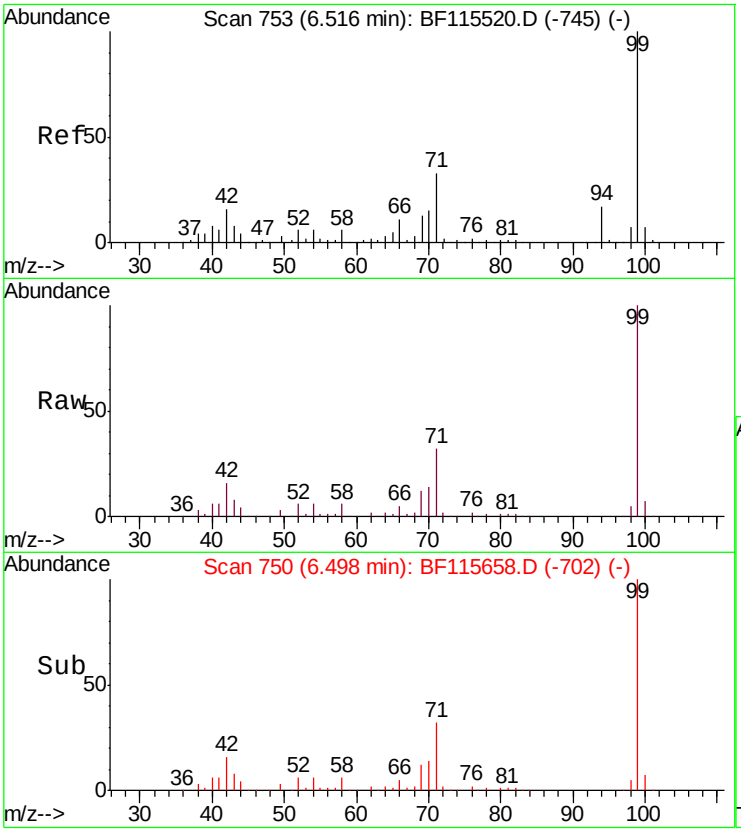


#5
2-Fluorophenol
Concen: 10.072 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion:112 Resp: 107783

Ion	Ratio	Lower	Upper
112	100		
64	59.4	46.8	70.2
63	29.2	24.1	36.1



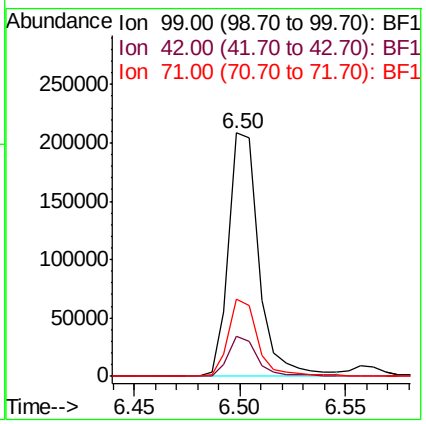


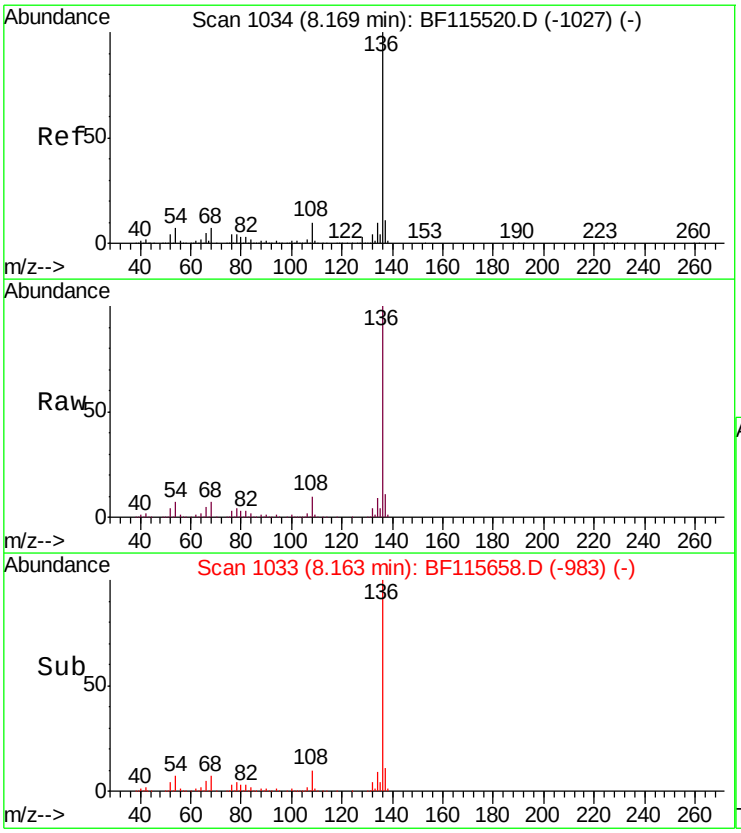
#7
Phenol-d6
Concen: 15.274 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion: 99 Resp: 207397

Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.6	20.4
71	31.7	28.5	42.7

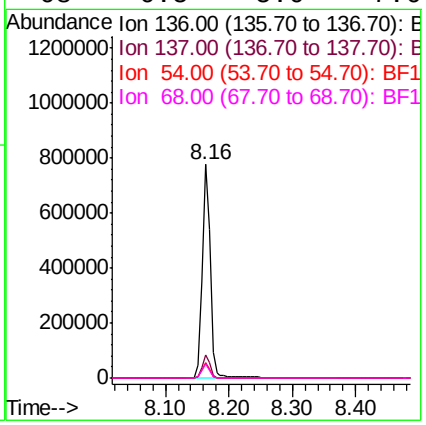


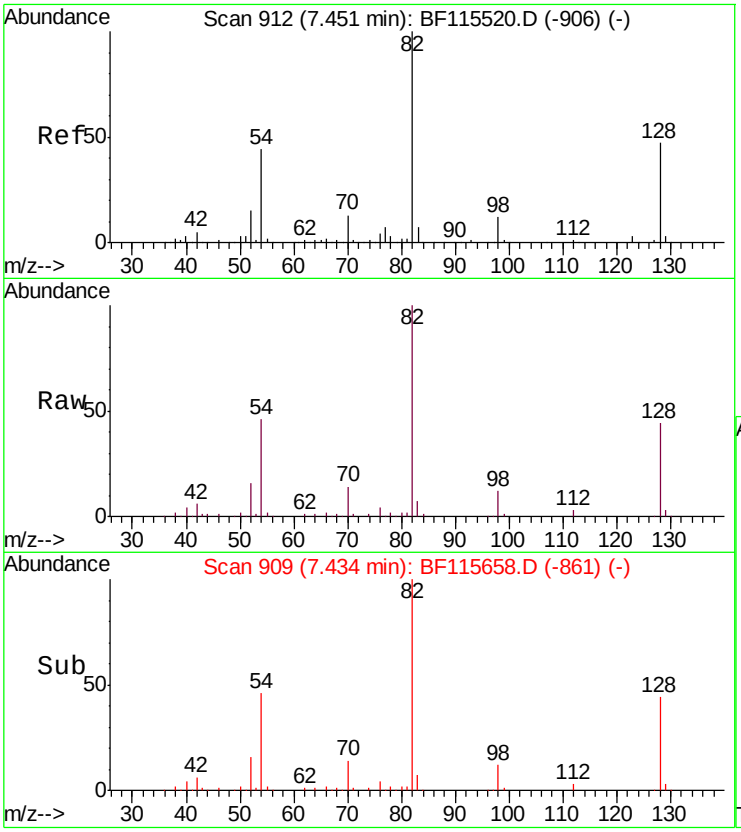


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion:136 Resp: 673947

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.2	5.6	8.4
68	6.5	5.0	7.6



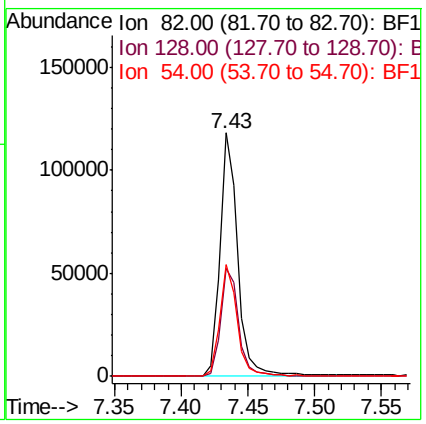


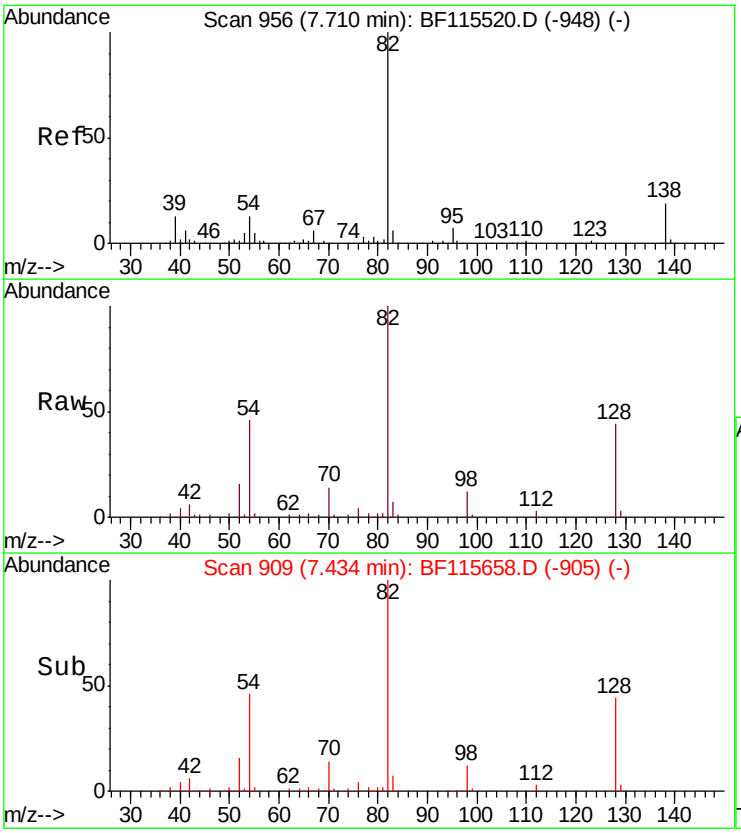
#23
Nitrobenzene-d5
Concen: 9.675 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion: 82 Resp: 112139

Ion	Ratio	Lower	Upper
82	100		
128	44.2	38.6	57.8
54	45.7	35.6	53.4

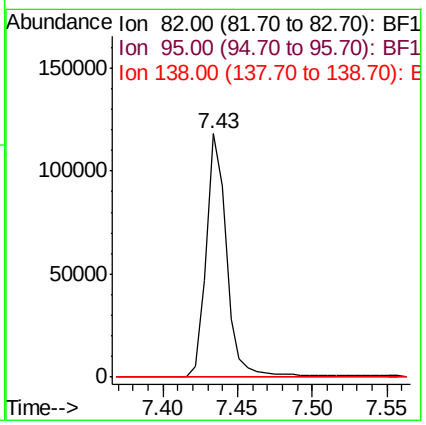


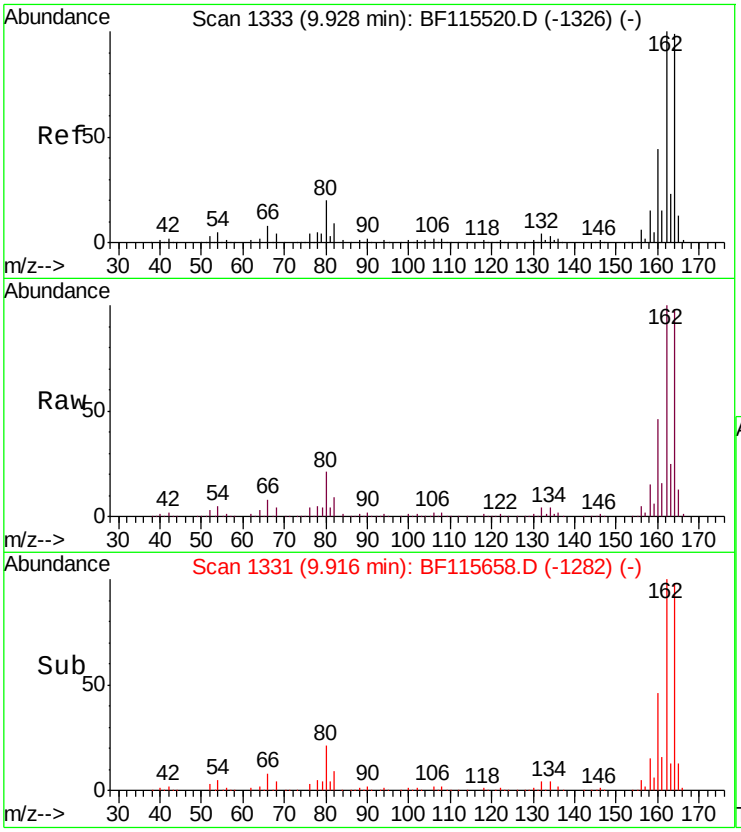


#25
Isophorone
Concen: 4.737 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.28 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion: 82 Resp: 109854

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	14.9	22.3#



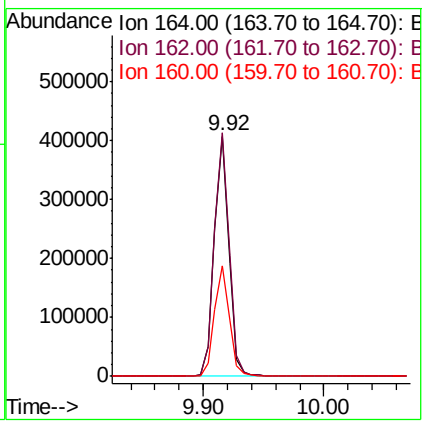


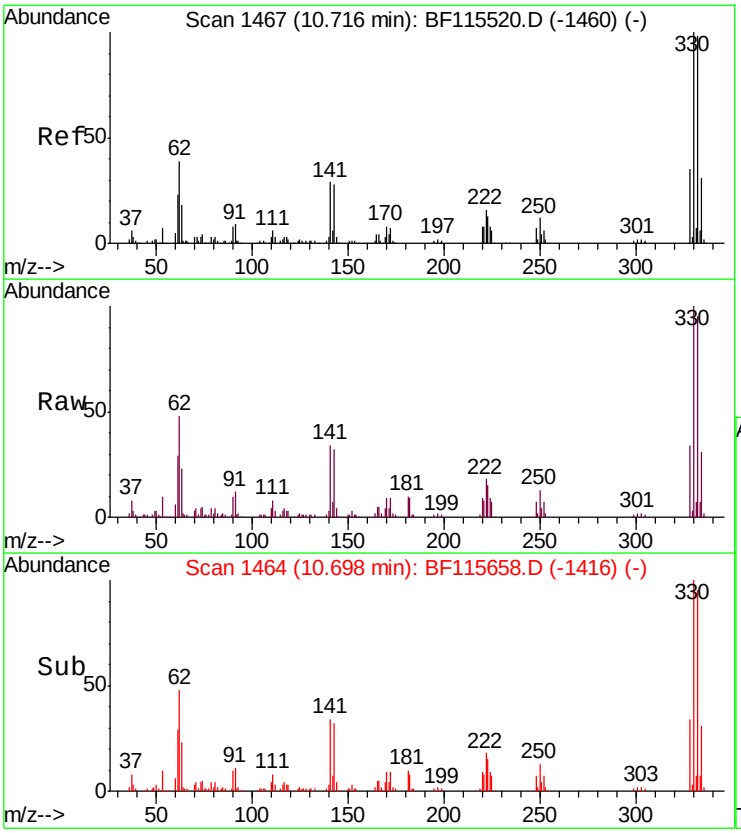
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion:164 Resp: 335596

Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.9	124.3
160	46.2	36.8	55.2

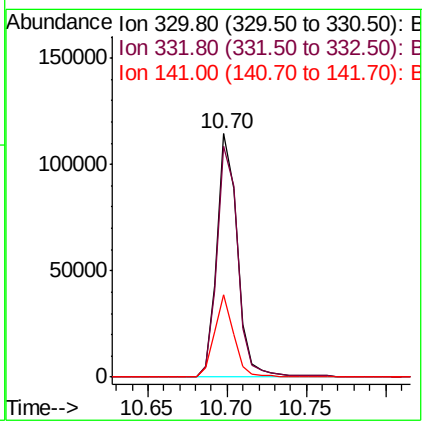


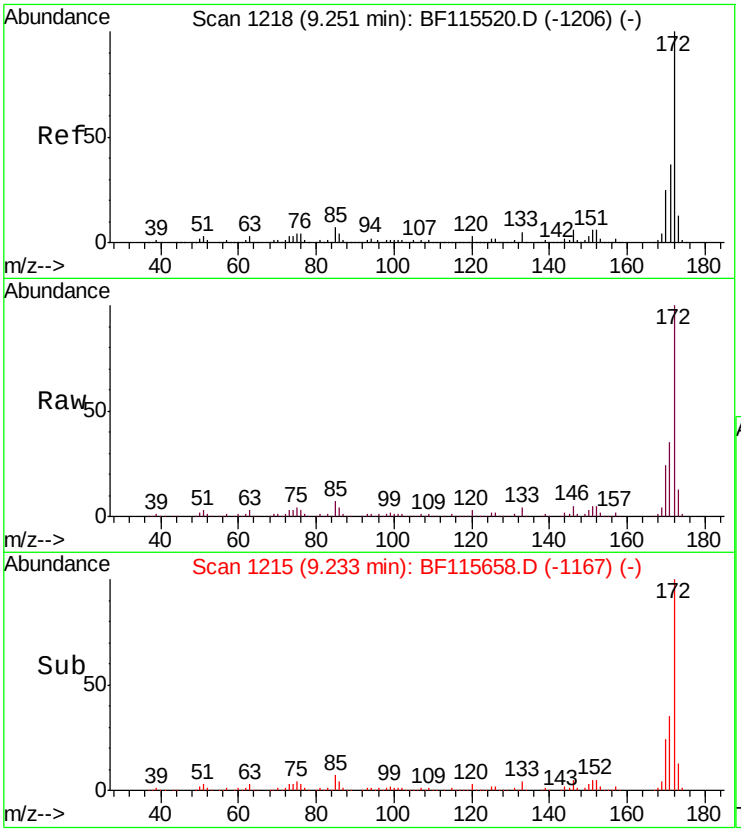


#42
2,4,6-Tribromophenol
Concen: 26.286 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion:330 Resp: 102967

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.2
141	32.2	22.4	33.6



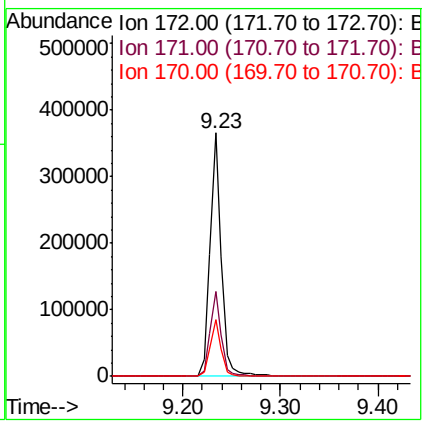


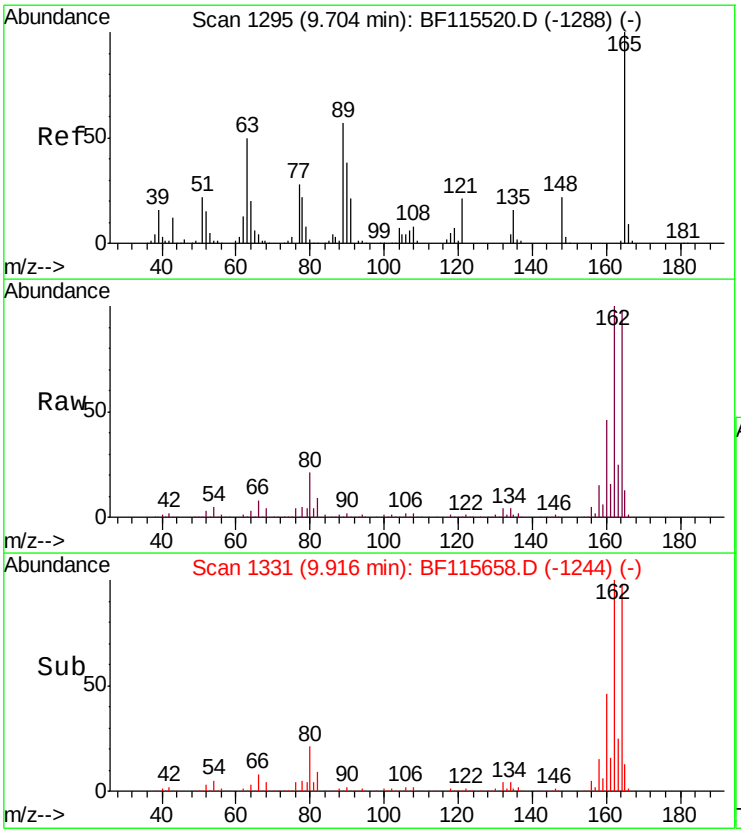
#45
2-Fluorobiphenyl
Concen: 15.275 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion:172 Resp: 292883

Ion	Ratio	Lower	Upper
172	100		
171	34.8	30.6	46.0
170	23.6	20.5	30.7

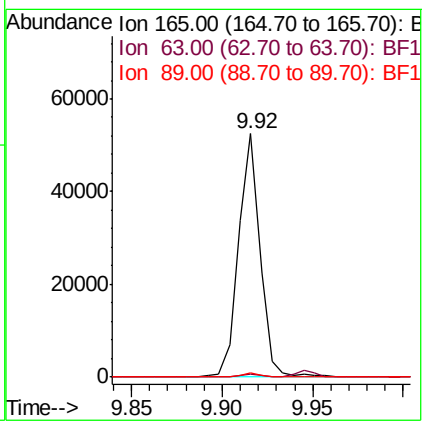


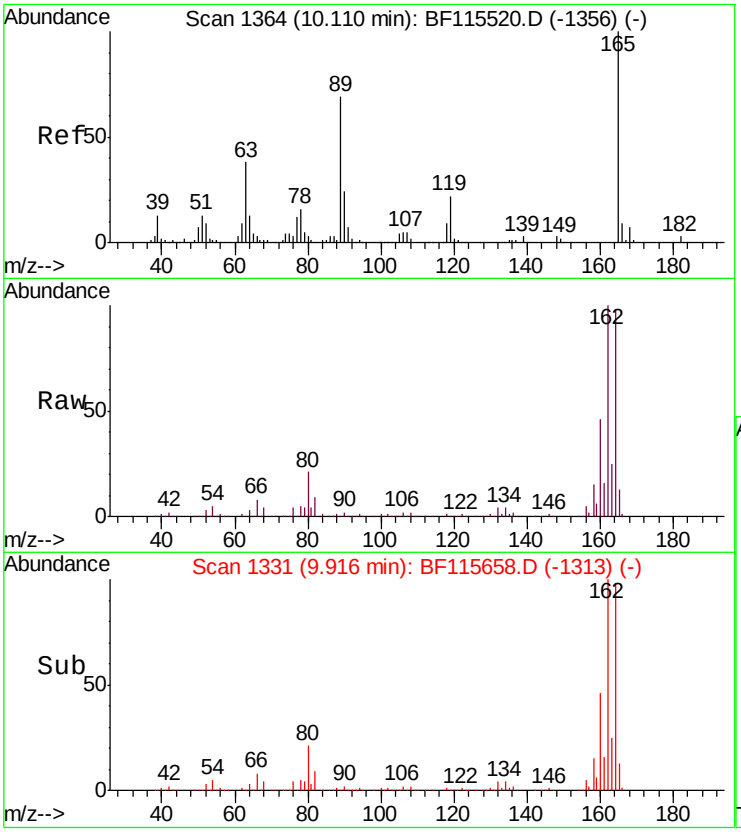


#51
2,6-Dinitrotoluene
Concen: 7.550 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.21 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion:165 Resp: 43321

Ion	Ratio	Lower	Upper
165	100		
63	1.1	40.6	61.0#
89	1.6	43.9	65.9#



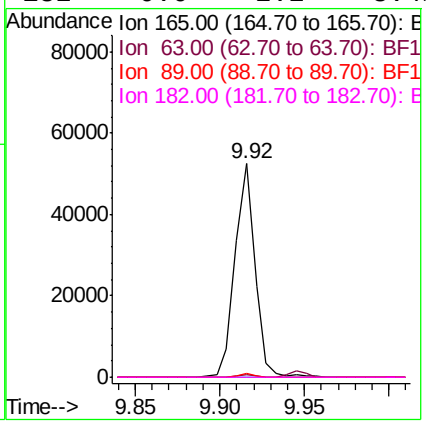


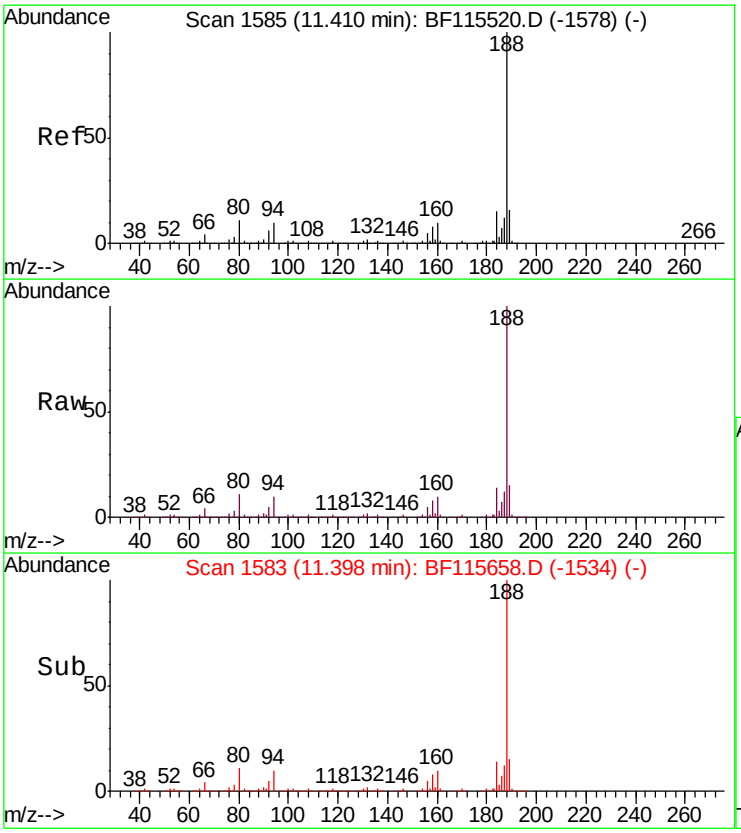
#57
2,4-Dinitrotoluene
Concen: 5.828 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion:165 Resp: 43322

Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.9	52.3#
89	1.6	57.5	86.3#
182	0.0	2.2	3.4#

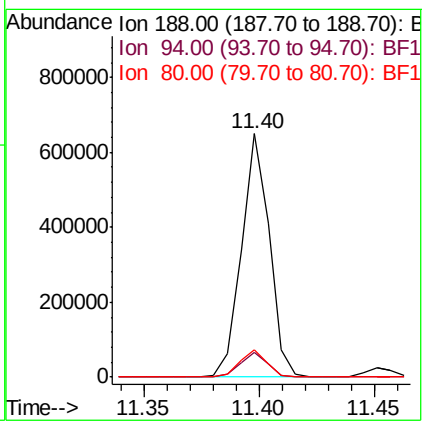


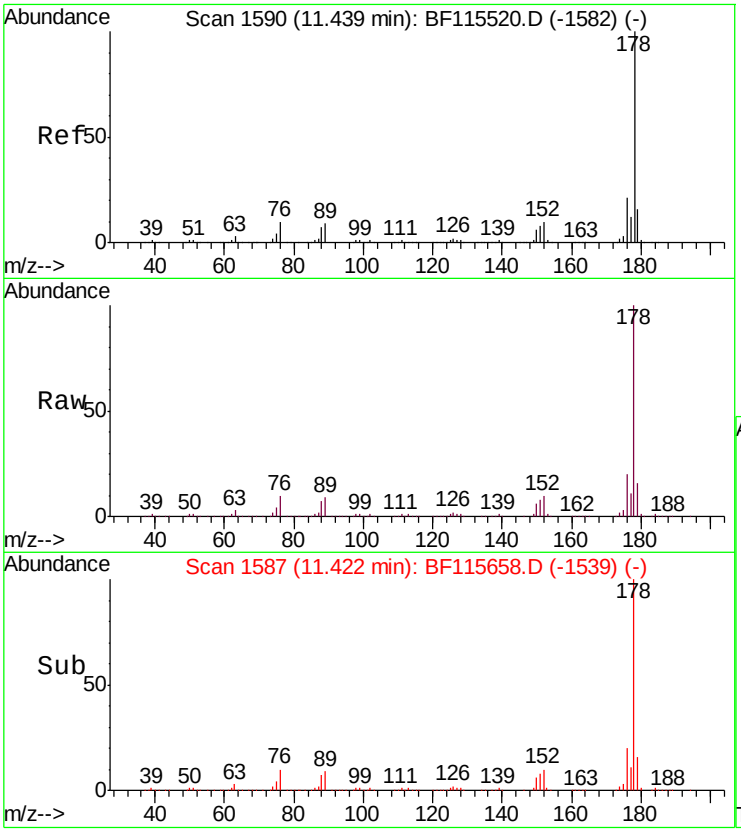


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion:188 Resp: 547271

Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.8	11.6
80	11.1	8.6	13.0



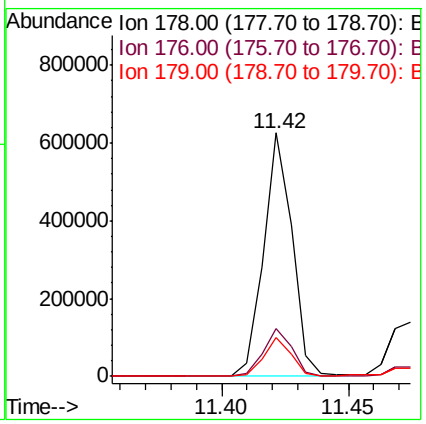


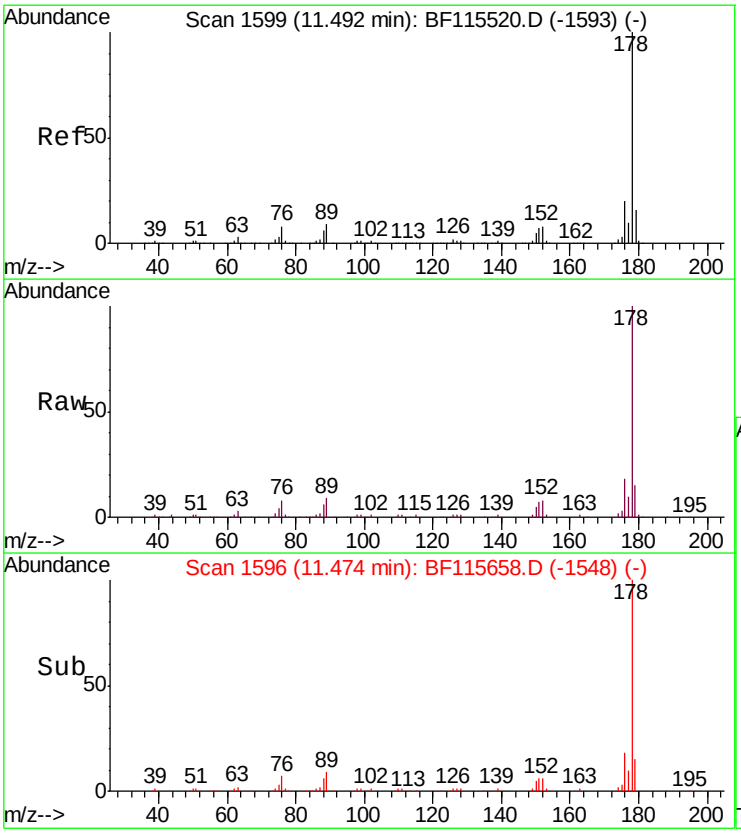
#71
Phenanthrene
Concen: 17.530 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion:178 Resp: 491774

Ion	Ratio	Lower	Upper
178	100		
176	19.8	17.2	25.8
179	15.7	13.5	20.3

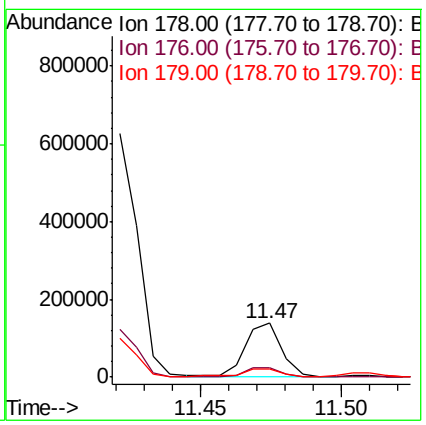


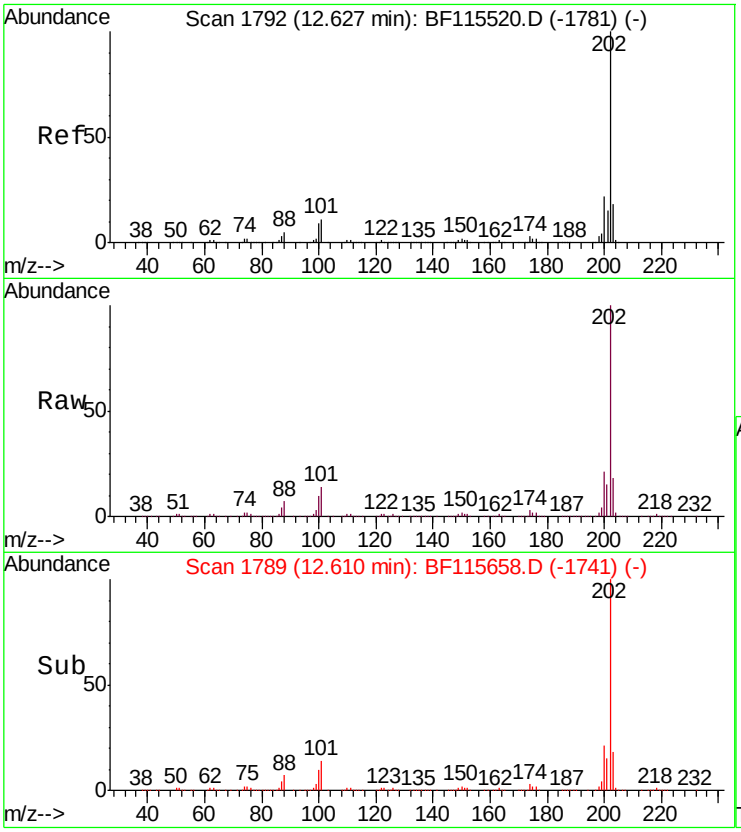


#72
Anthracene
Concen: 4.193 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion:178 Resp: 121562

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.9	23.9
179	15.4	12.7	19.1



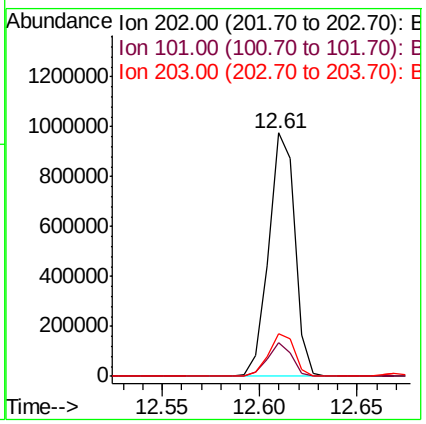


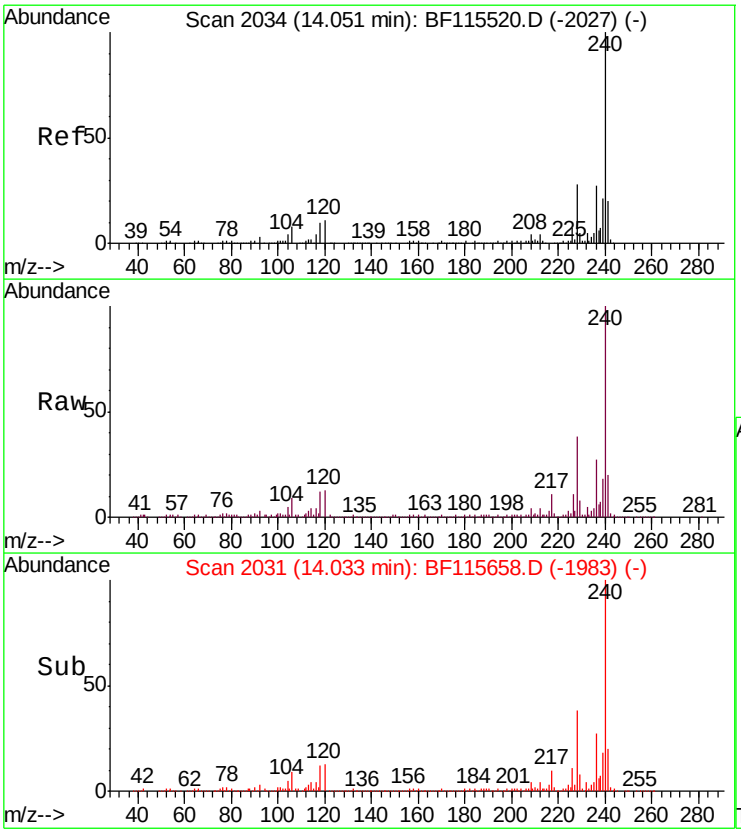
#75
Fluoranthene
Concen: 30.520 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion:202 Resp: 904731

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	31.4
203	17.8	0.0	38.1

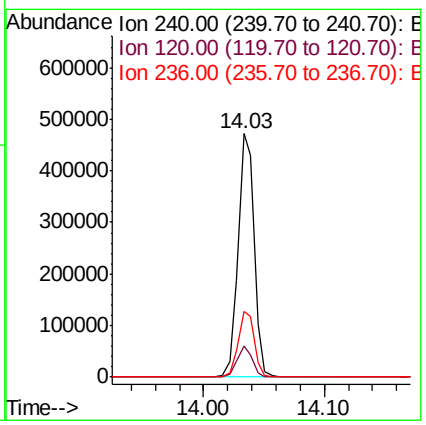


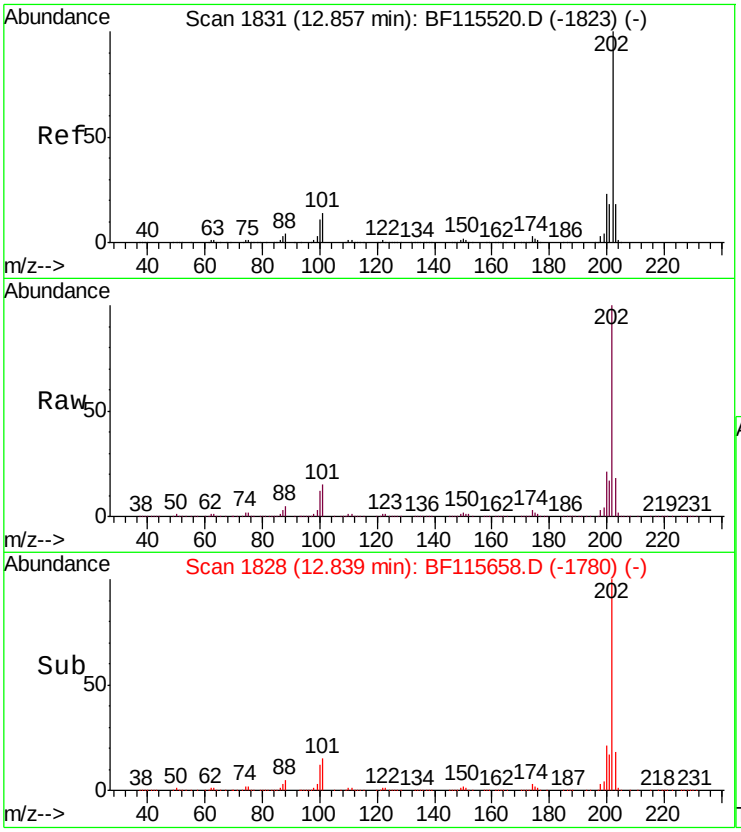


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion:240 Resp: 441540

Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.6	13.0
236	27.1	21.3	31.9



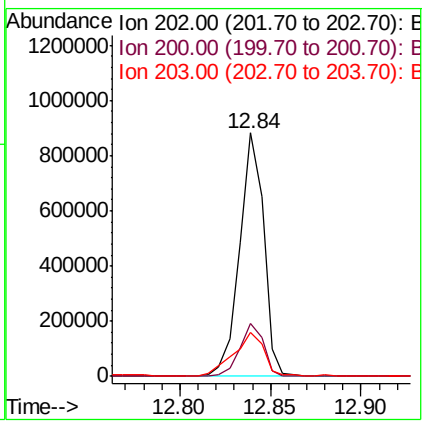


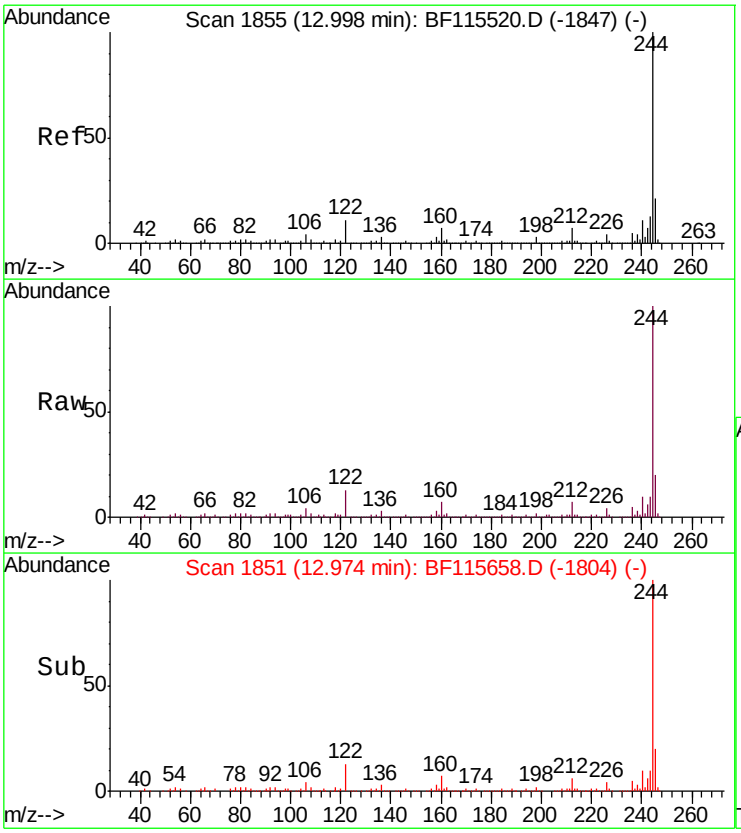
#78
Pyrene
Concen: 21.801 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion:202 Resp: 815539

Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.7	28.1
203	18.1	15.2	22.8

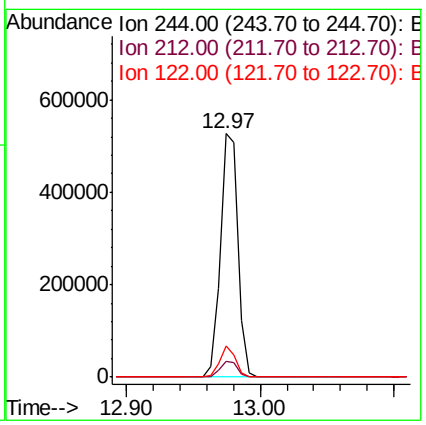


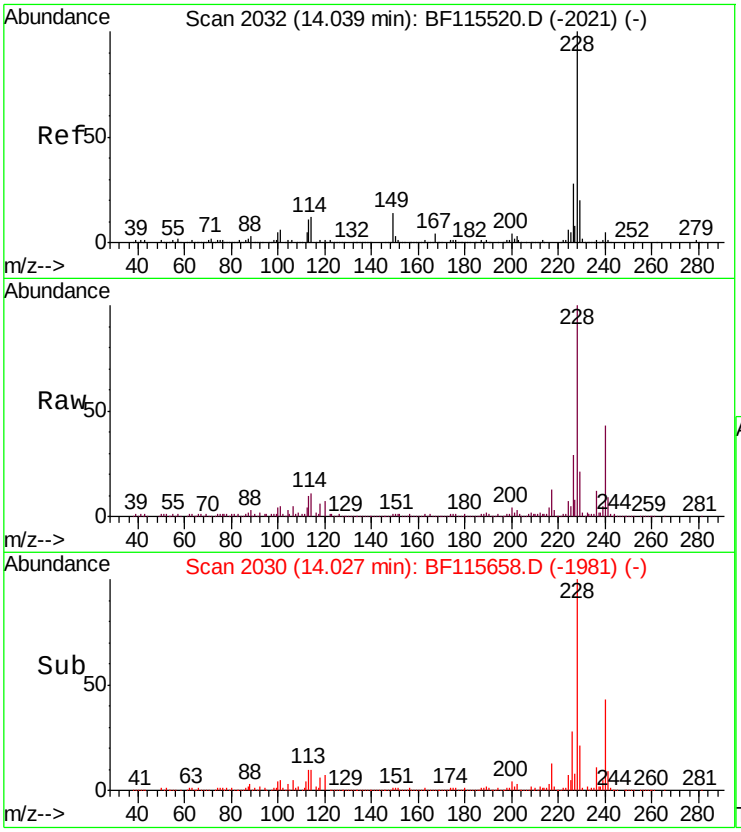


#79
Terphenyl-d14
Concen: 20.508 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion:244 Resp: 490751

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	12.6	8.6	12.8



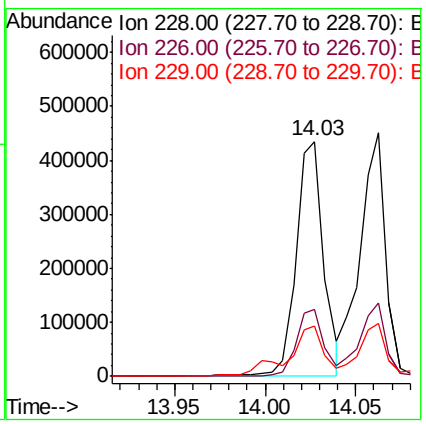


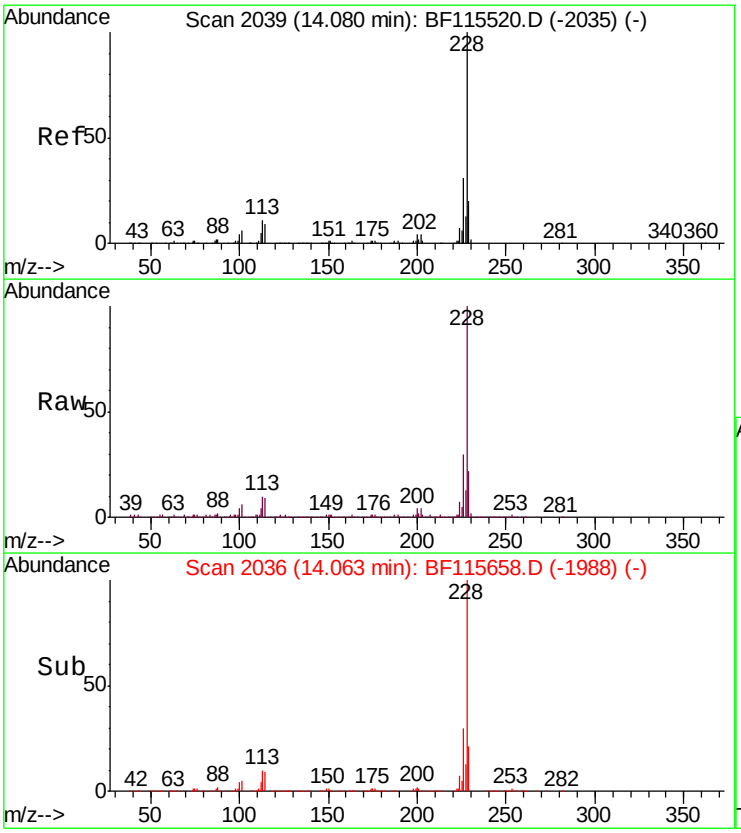
#81
Benzo(a)anthracene
Concen: 15.894 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion:228 Resp: 462338

Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.4	35.0
229	21.2	17.2	25.8

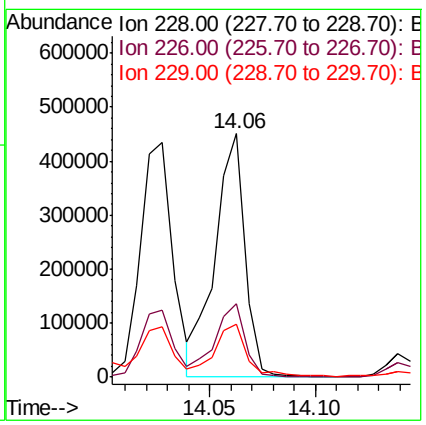


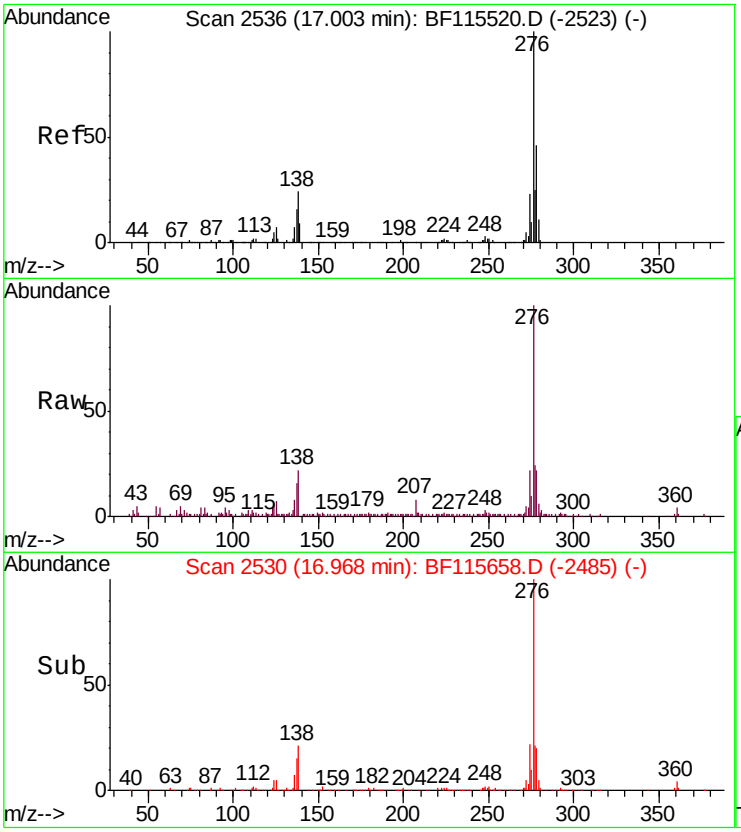


#83
Chrysene
Concen: 15.175 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion:228 Resp: 443141

Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.7	38.5
229	21.7	16.6	25.0



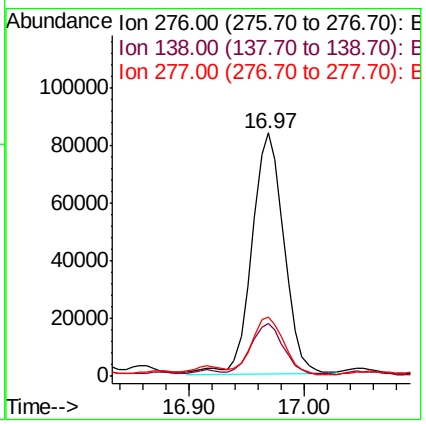


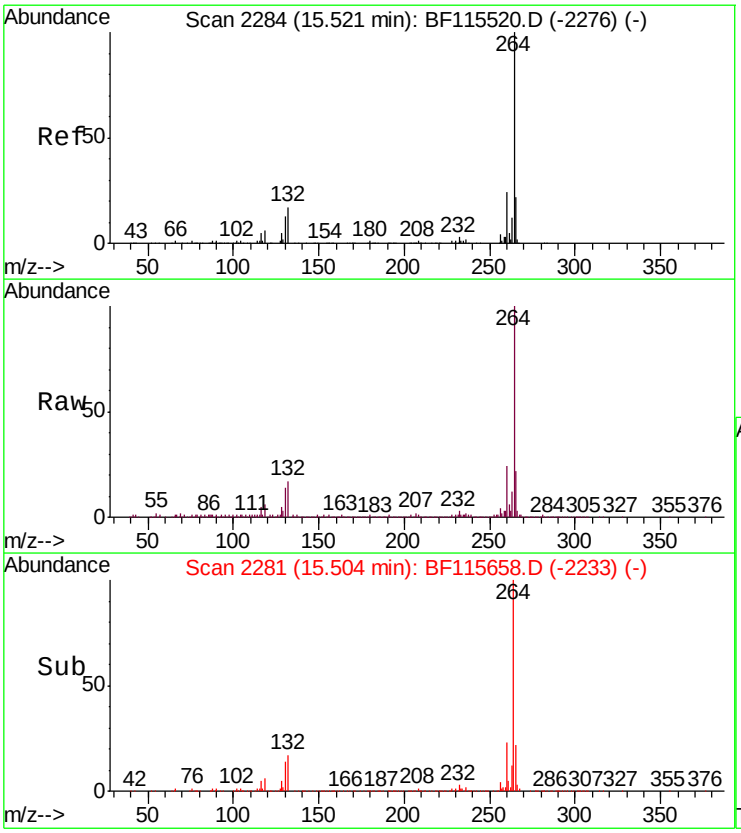
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.521 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion:276 Resp: 161789

Ion	Ratio	Lower	Upper
276	100		
138	21.2	20.2	30.2
277	23.6	20.4	30.6

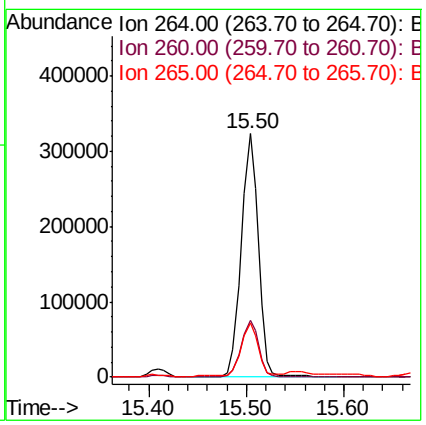


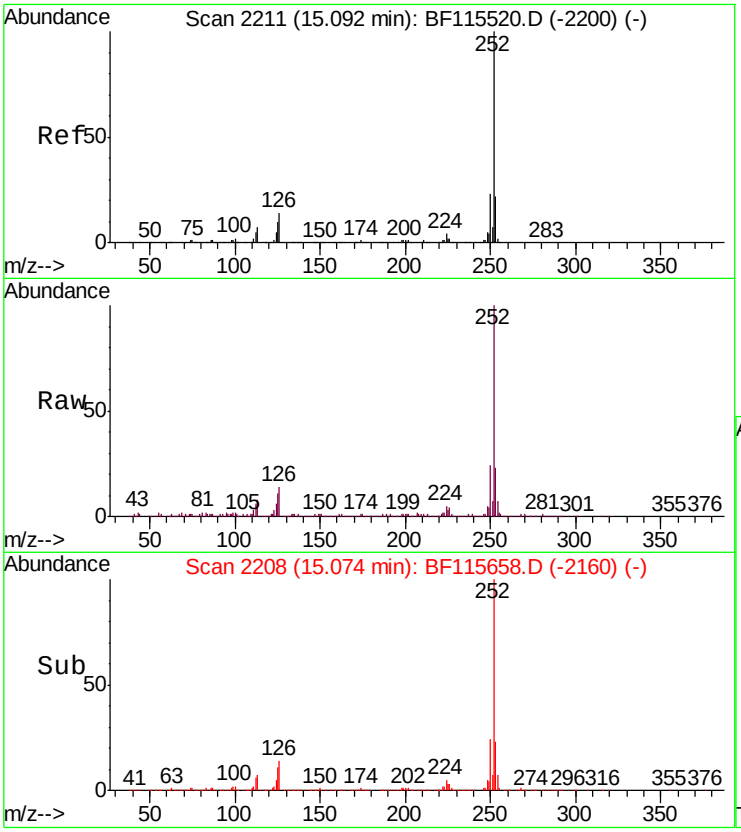


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion:264 Resp: 394339

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.8	29.8
265	22.2	17.7	26.5



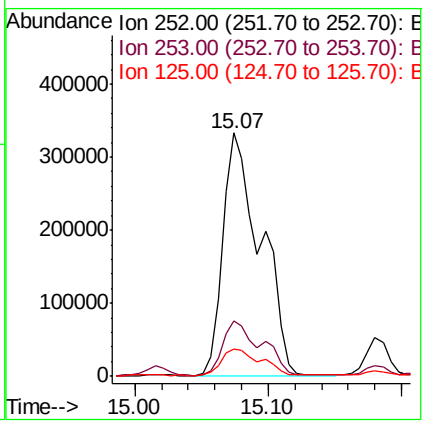


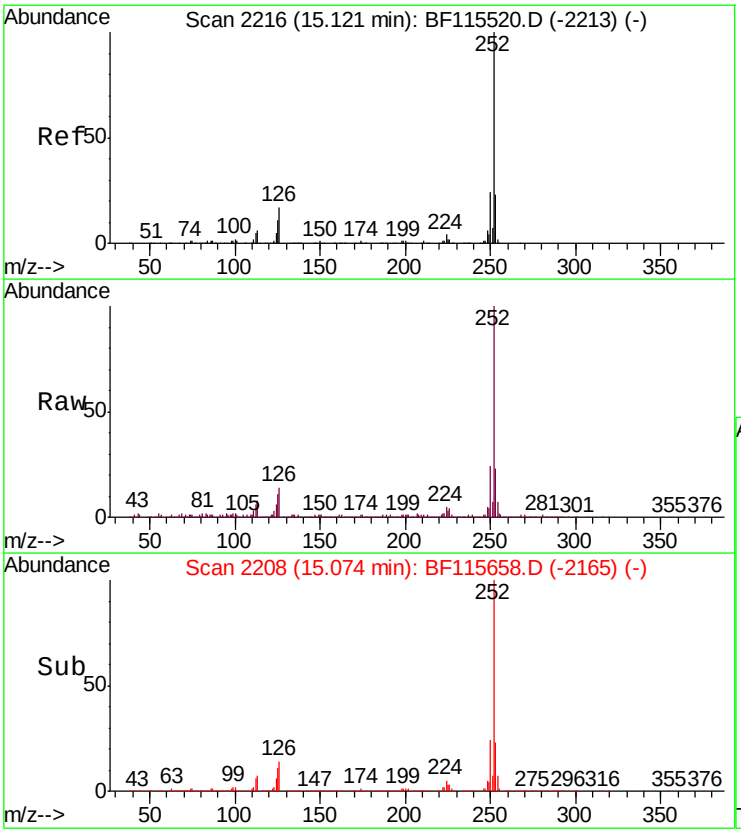
#88
Benzo(b)fluoranthene
Concen: 25.798 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion:252 Resp: 655067

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.4	9.0	13.4

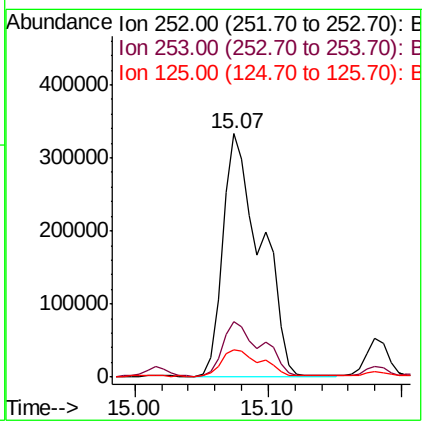


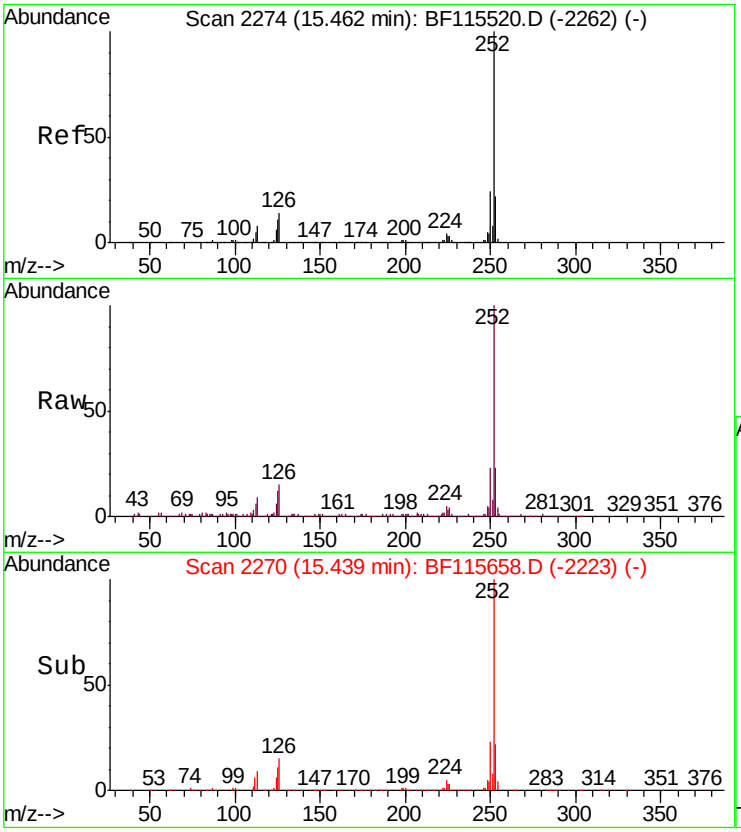


#89
Benzo(k)fluoranthene
Concen: 28.936 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.05 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion:252 Resp: 655067

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.6	28.0
125	11.4	9.0	13.6



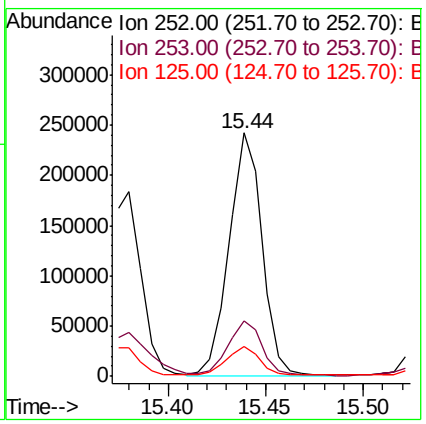


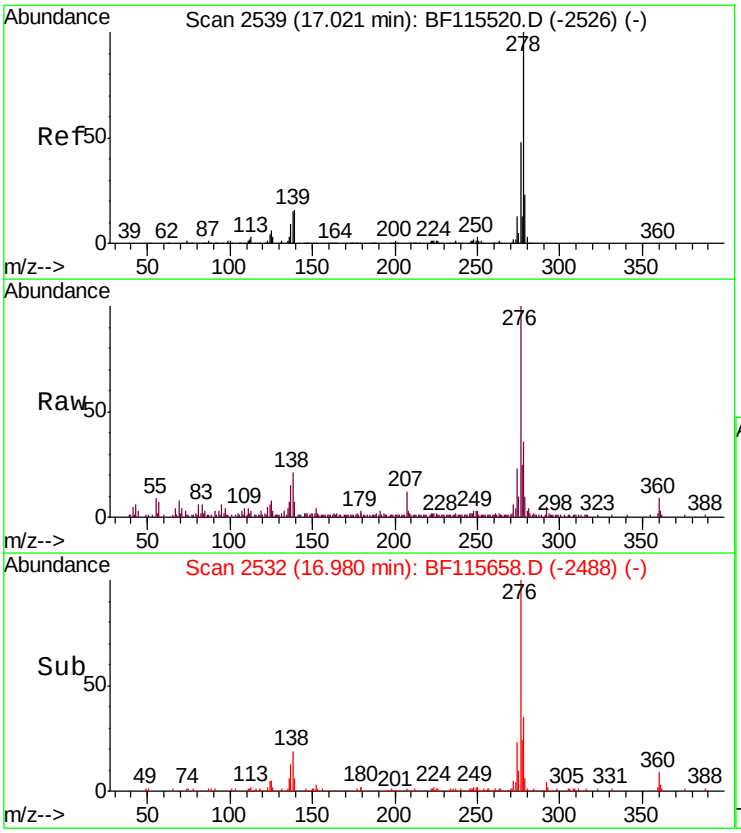
#90
Benzo(a)pyrene
Concen: 12.905 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion:252 Resp: 281643

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	12.0	9.1	13.7

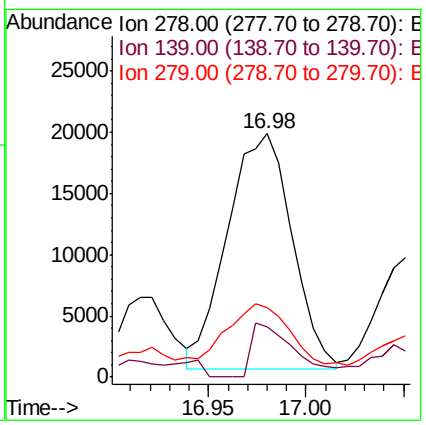


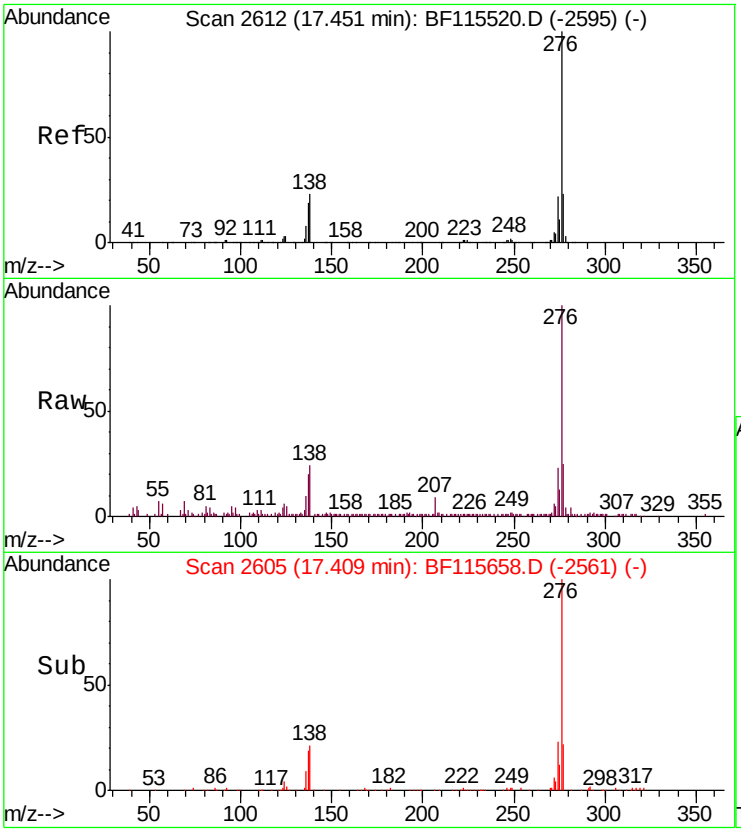


#91
Dibenzo(a,h)anthracene
Concen: 2.308 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion:278 Resp: 44227

Ion	Ratio	Lower	Upper
278	100		
139	20.7	13.1	19.7#
279	28.5	19.6	29.4





#92
Benzo(g,h,i)perylene
Concen: 7.307 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.04 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tgt Ion:276 Resp: 139629

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	23.5	17.2	25.8