Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071519\
Data File : BF115579.D
Acq On : 16 Jul 2019 1:26
Operator : HP/JU
Sample : K3618-03 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-02-071119

Quant Time: Jul 16 06:32:25 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	202039	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	733433	20.00	ng		0.00
39) Acenaphthene-d10	9.92	164	336948	20.00	ng		-0.01
64) Phenanthrene-d10	11.40	188	547493	20.00	ng		0.00
76) Chrysene-d12	14.04	240	401932	20.00	ng		0.00
87) Perylene-d12	15.52	264	387748	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	284253	23.01	ng		-0.01
7) Phenol-d6	6.50	99	310447	19.81	ng		-0.02
23) Nitrobenzene-d5	7.43	82	177928	14.11	ng		-0.02
42) 2,4,6-Tribromophenol	10.70	330	64810	16.48	ng		-0.01
45) 2-Fluorobiphenyl	9.24	172	369545	19.20	ng		-0.01
79) Terphenyl-d14	12.98	244	303685	13.94	ng		-0.02
Target Compounds							Qvalue
31) Naphthalene	8.19	128	292649	8.239	ng		95
37) 2-Methylnaphthalene	8.87	142	190155	8.076	ng		97
38) 1-Methylnaphthalene	8.97	142	214968	9.612	ng		98
49) Acenaphthylene	9.78	152	177492	5.461	ng		98
52) Acenaphthene	9.95	154	111758	5.326	ng		95
55) Dibenzofuran	10.12	168	156967	5.268	ng		96
58) Fluorene	10.46	166	271910	12.764	ng		99
71) Phenanthrene	11.43	178	1277394	45.517	ng		97
72) Anthracene	11.48	178	390589	13.467	ng		98
73) Carbazole	11.63	167	82191	3.232	ng		99
75) Fluoranthene	12.62	202	1170851	39.481	ng		98
78) Pyrene	12.84	202	1254576	36.842	ng		98
81) Benzo(a)anthracene	14.03	228	600962	22.695	ng		94
83) Chrysene	14.07	228	599581	22.556	ng		97
86) Indeno(1,2,3-cd)pyrene	16.99	276	220623	9.769	ng		95
88) Benzo(b)fluoranthene	15.09	252	648828m	25.987	ng		
89) Benzo(k)fluoranthene	15.11	252	181685m	8.162	ng		
90) Benzo(a)pyrene	15.45	252	433012	20.178	ng		98
91) Dibenzo(a,h)anthracene	16.99	278	62897	3.339	ng	#	87
92) Benzo(g,h,i)perylene	17.43	276	200865	10.691	ng		99

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

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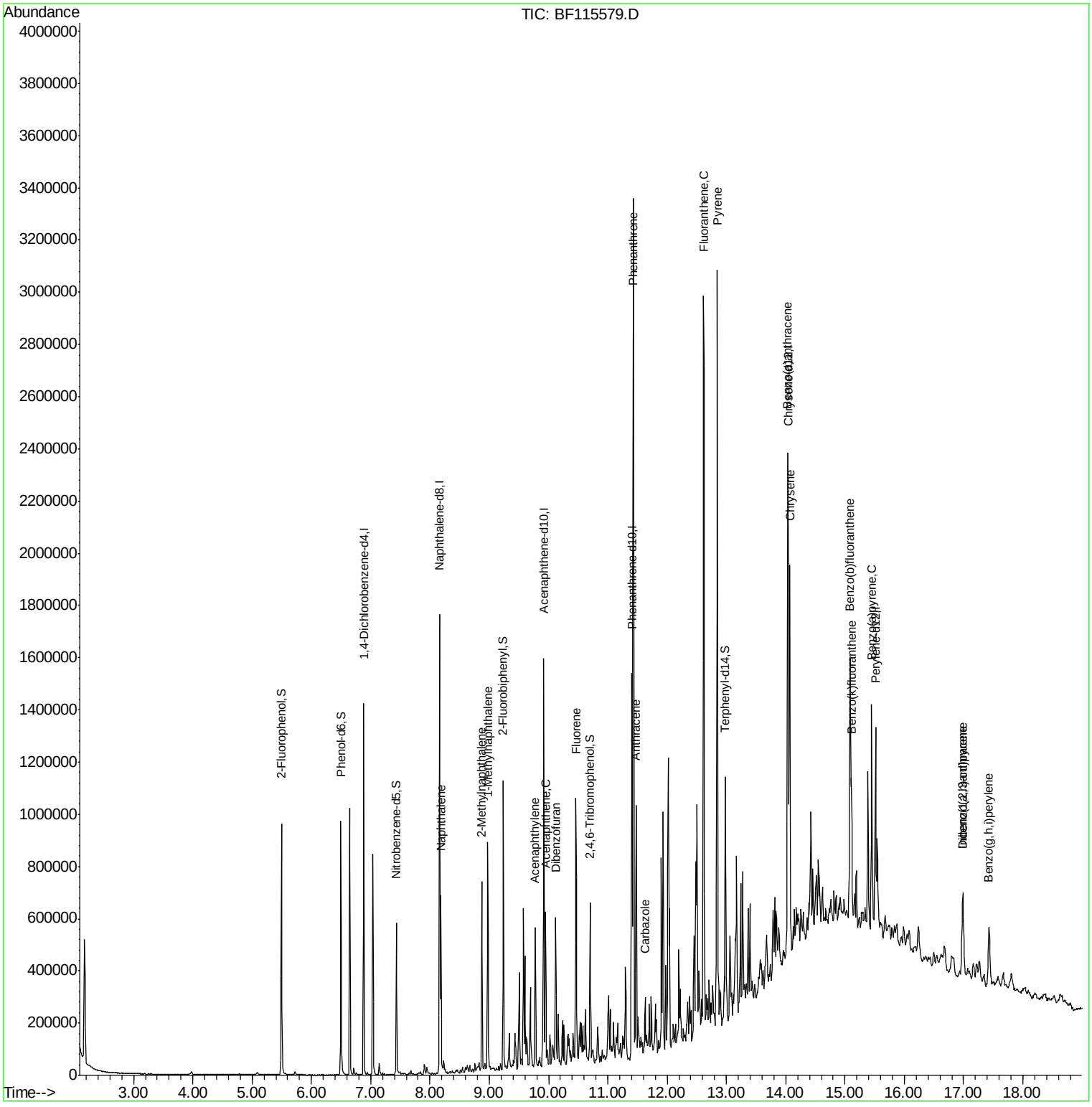
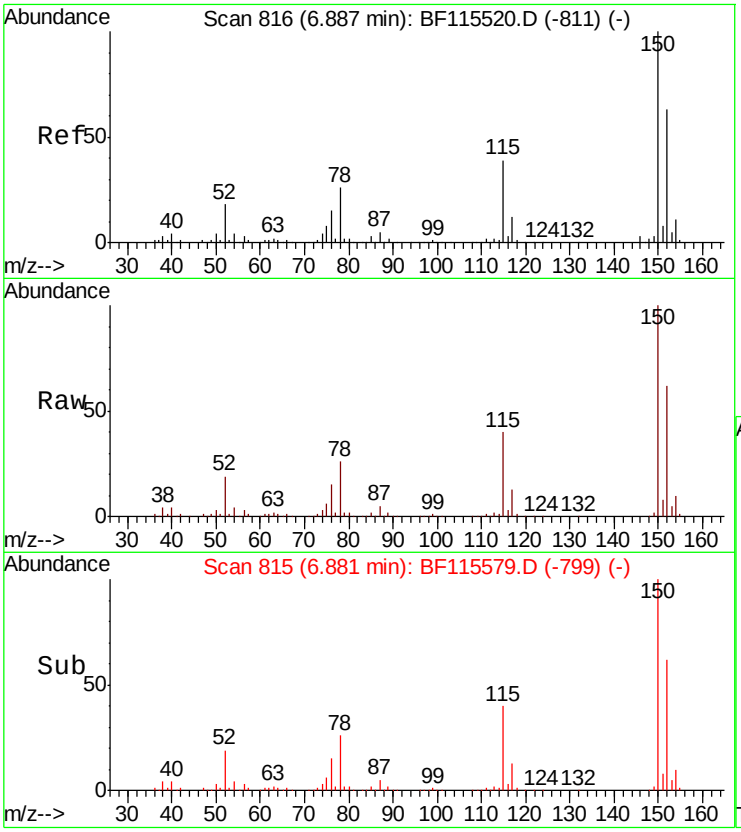


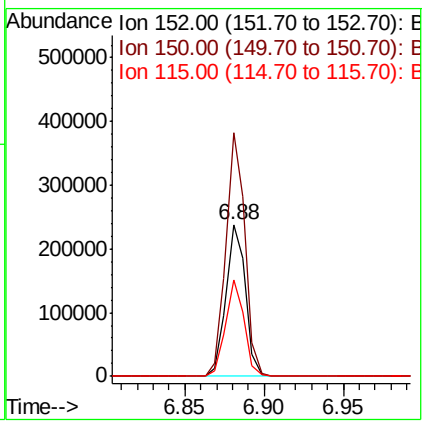


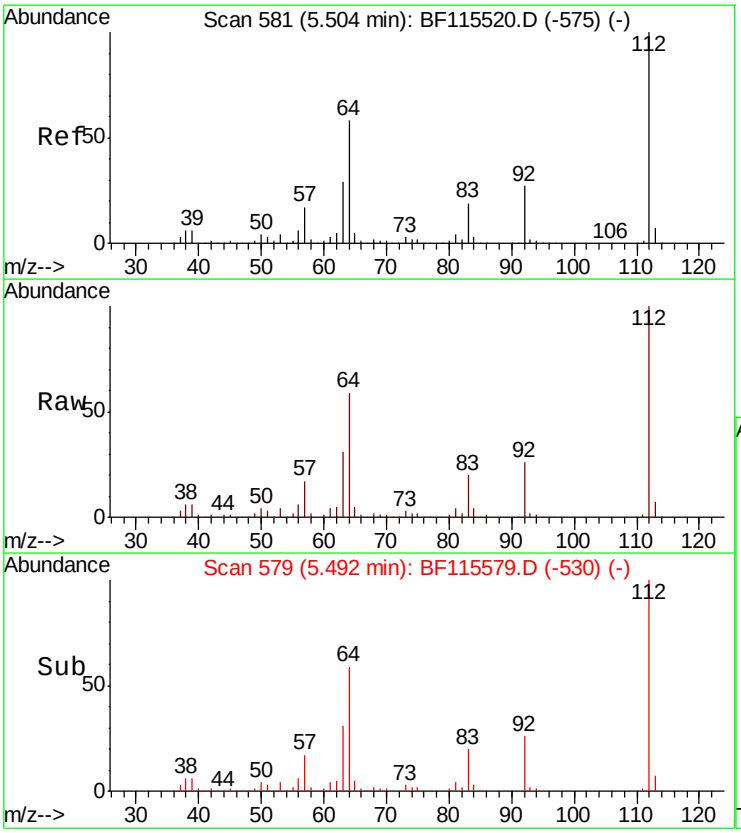
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:152 Resp: 202039

Ion	Ratio	Lower	Upper
152	100		
150	160.1	129.7	194.5
115	63.6	48.2	72.4

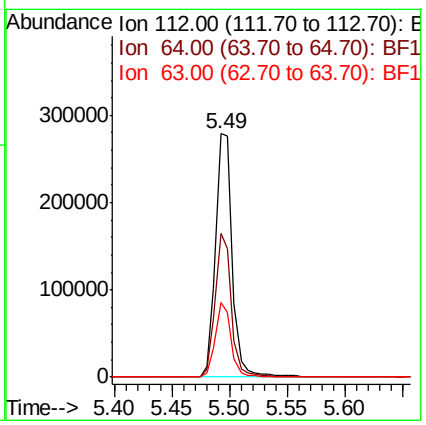


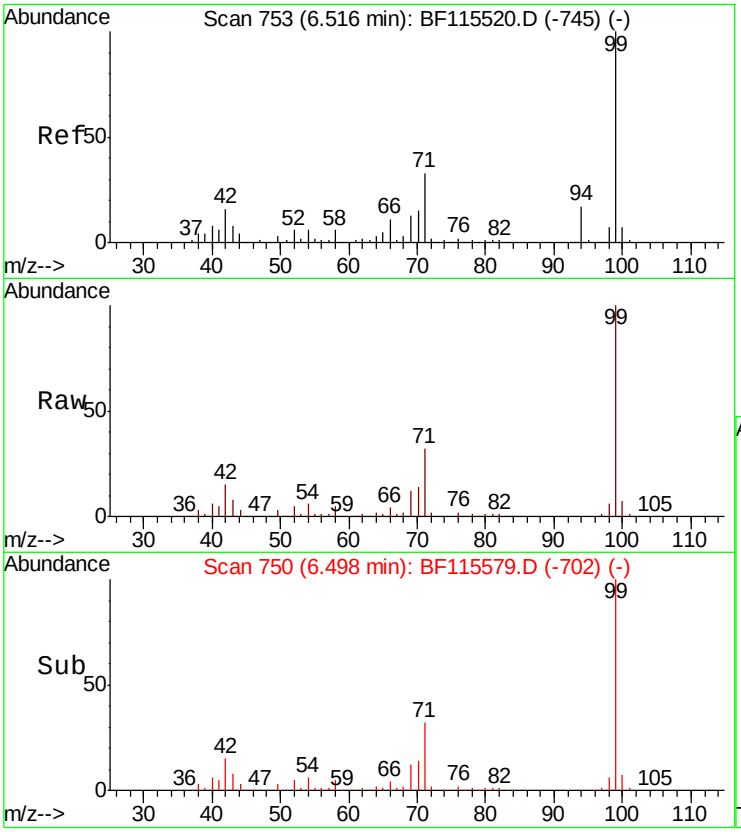


#5
2-Fluorophenol
Concen: 23.013 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:112 Resp: 284253

Ion	Ratio	Lower	Upper
112	100		
64	58.9	46.8	70.2
63	30.6	24.1	36.1



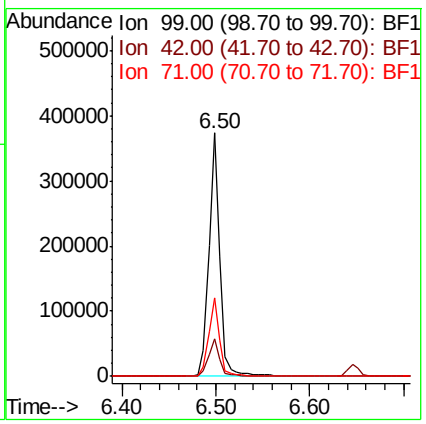


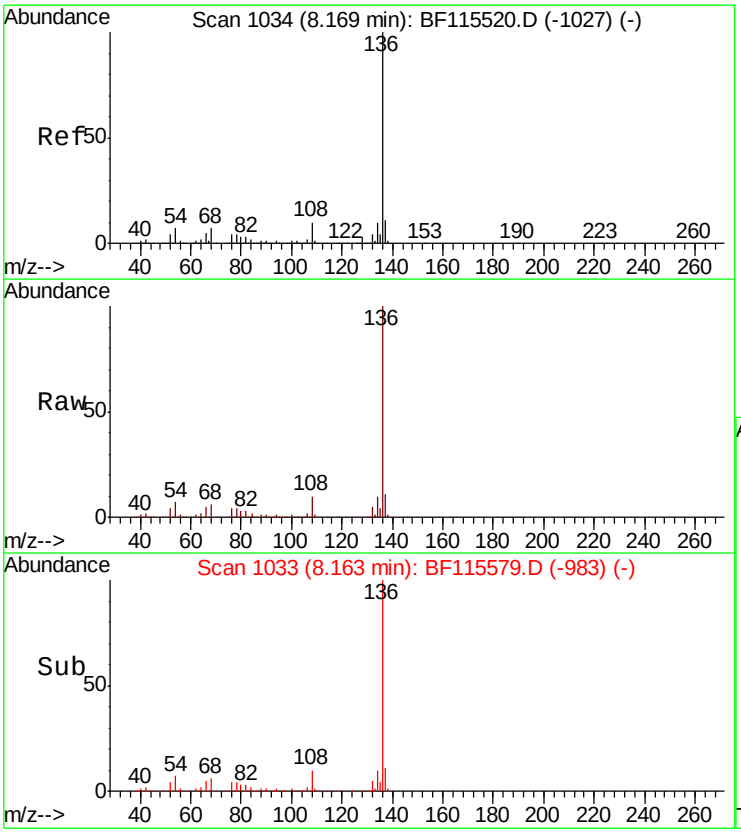
#7
Phenol-d6
Concen: 19.808 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.02 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion: 99 Resp: 310447

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.6	20.4
71	32.3	28.5	42.7

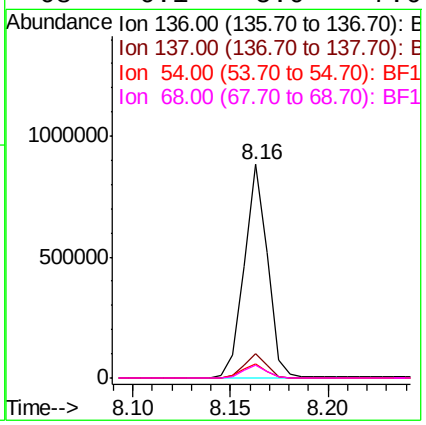


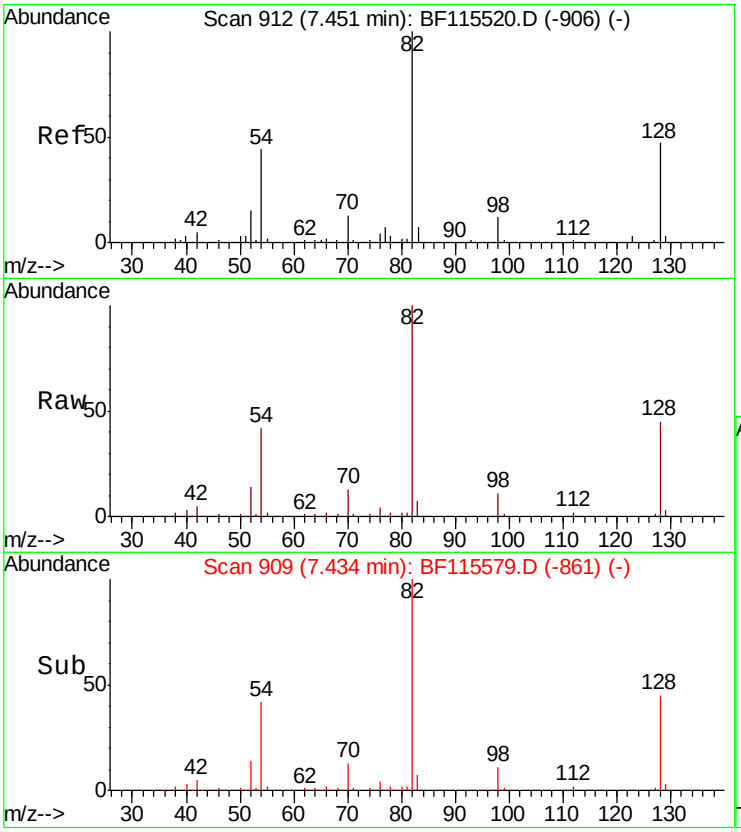


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:136 Resp: 733433

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	6.8	5.6	8.4
68	6.1	5.0	7.6



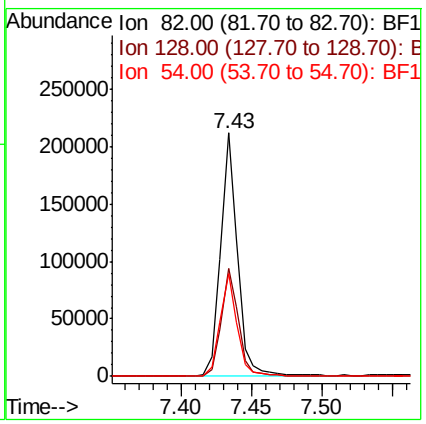


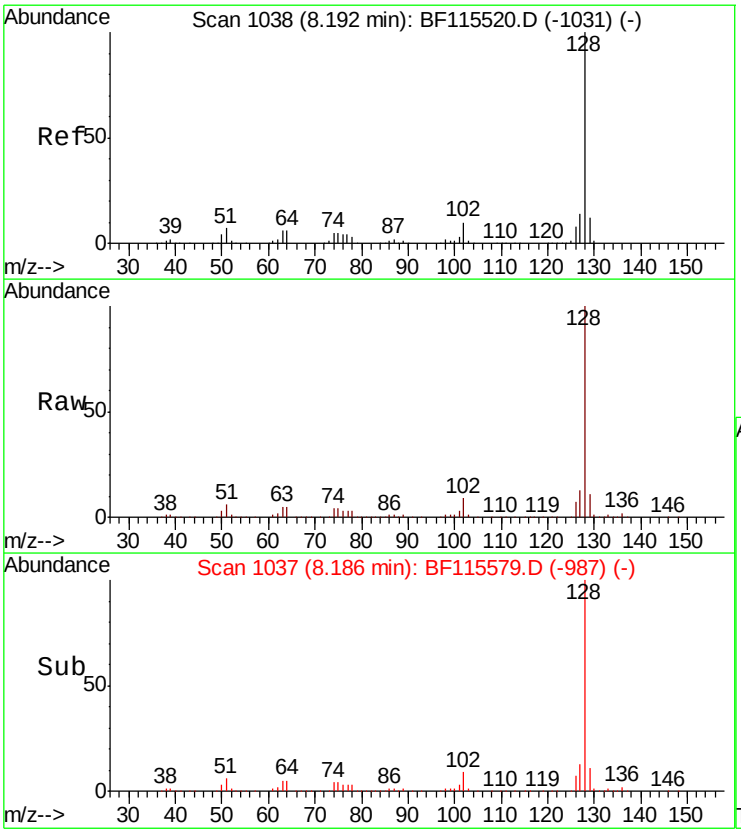
#23
Nitrobenzene-d5
Concen: 14.106 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion: 82 Resp: 177928

Ion	Ratio	Lower	Upper
82	100		
128	44.6	38.6	57.8
54	42.3	35.6	53.4

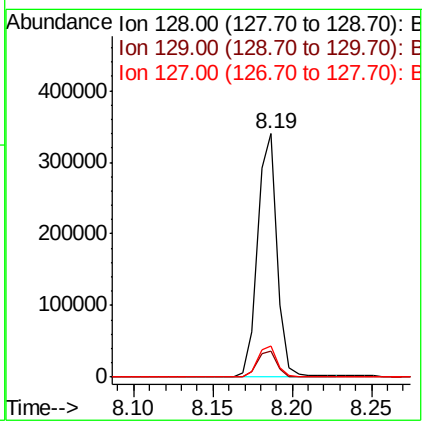


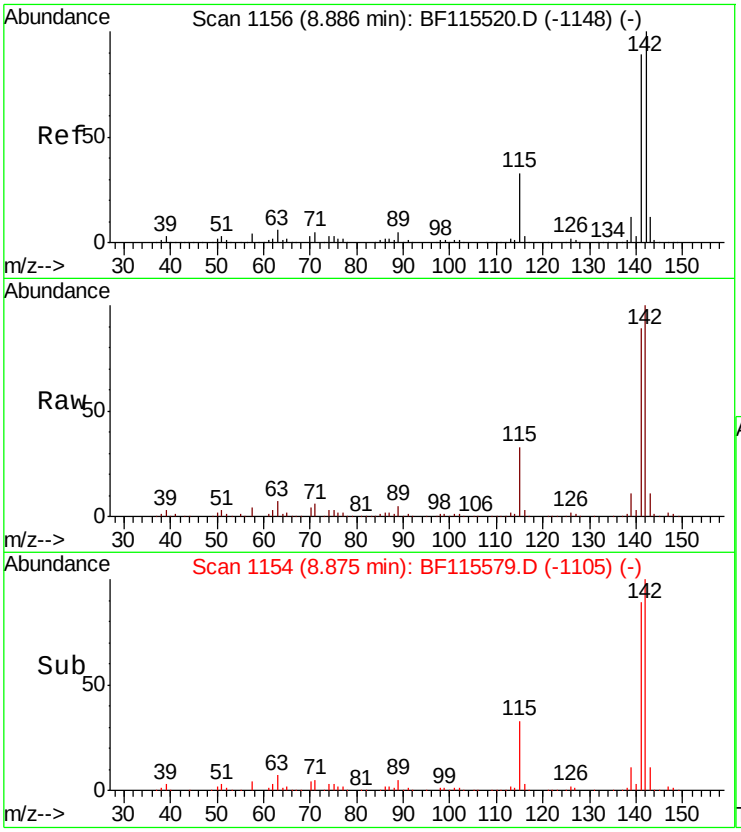


#31
Naphthalene
Concen: 8.239 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:128 Resp: 292649

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.9	14.9
127	12.6	12.1	18.1



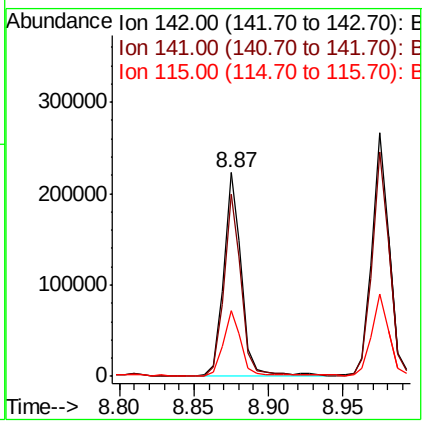


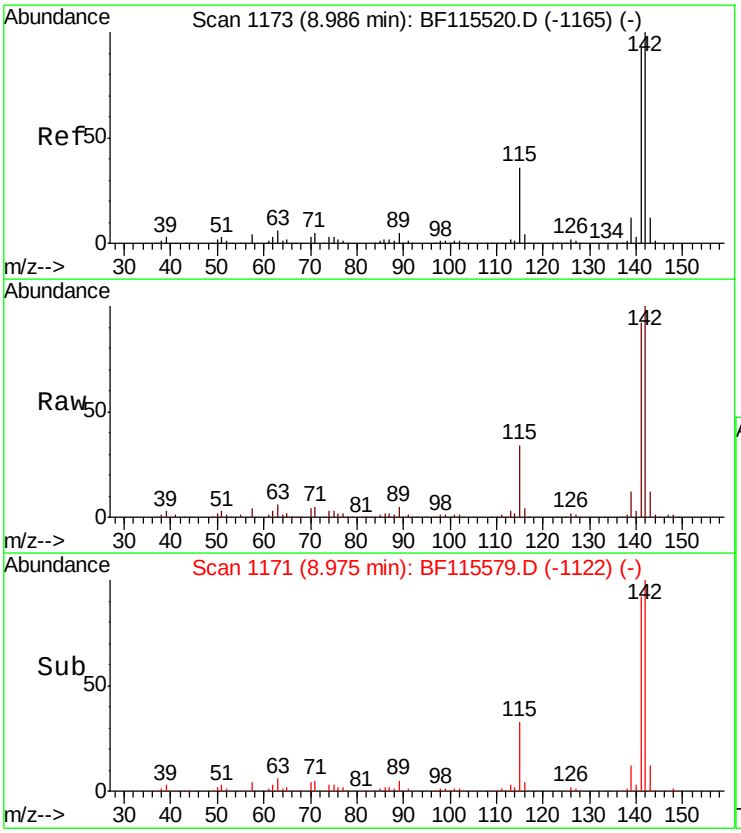
#37
2-Methylnaphthalene
Concen: 8.076 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:142 Resp: 190155

Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.0	108.0
115	32.5	29.9	44.9

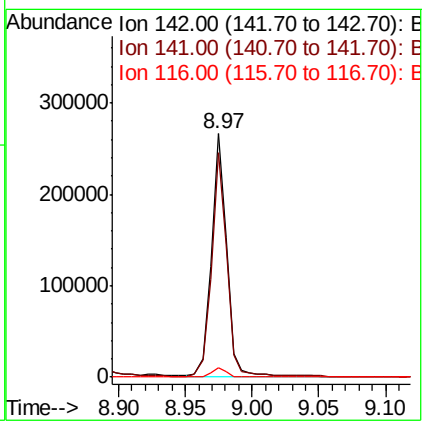


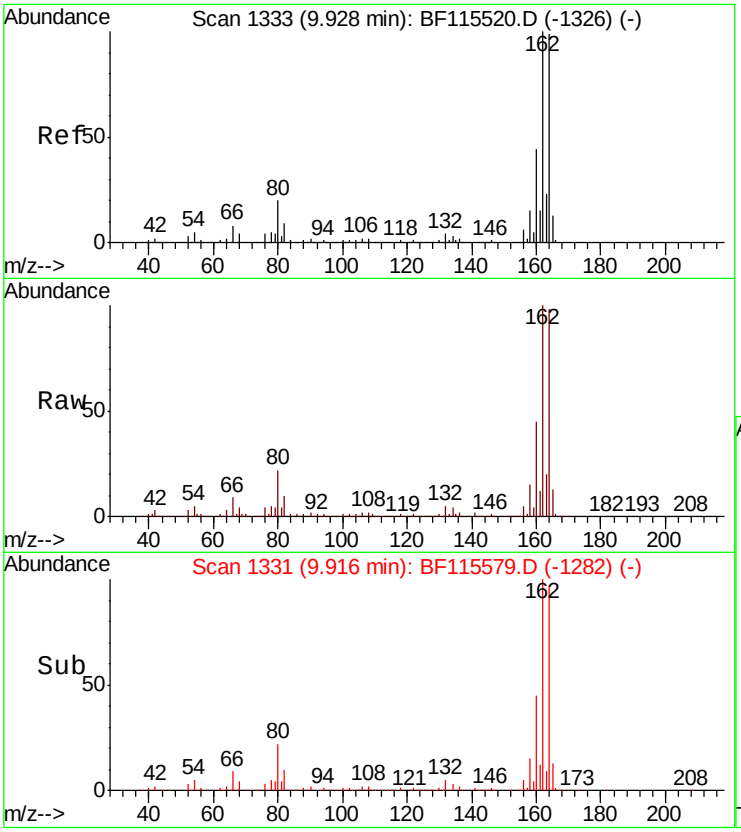


#38
1-Methylnaphthalene
Concen: 9.612 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:142 Resp: 214968

Ion	Ratio	Lower	Upper
142	100		
141	92.0	75.3	112.9
116	3.7	3.3	4.9



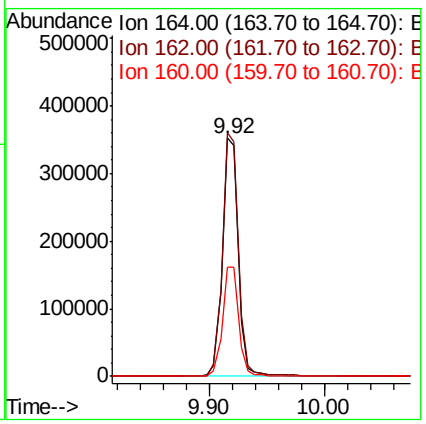


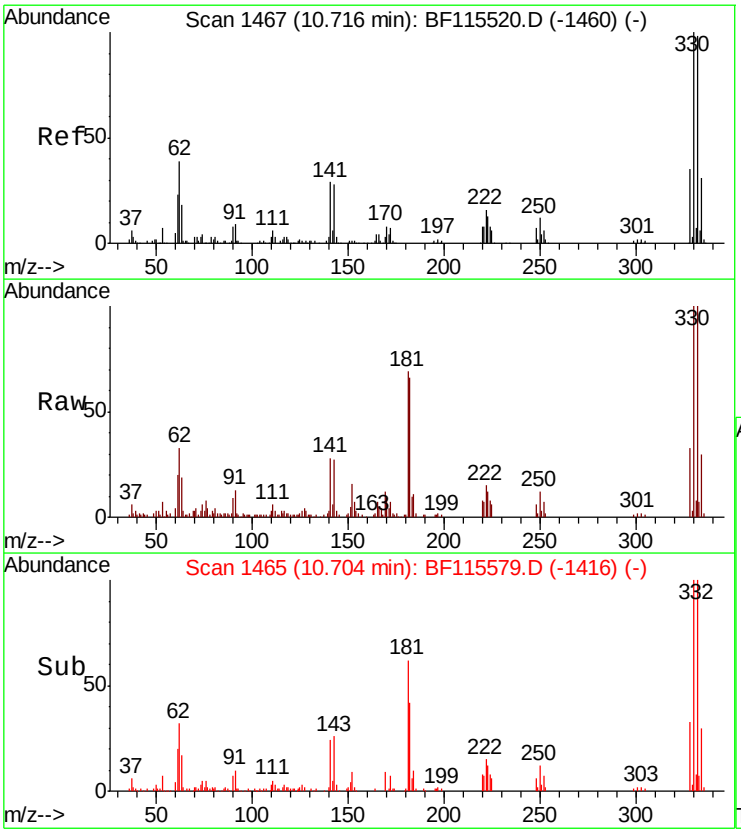
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:164 Resp: 336948

Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.9	124.3
160	45.9	36.8	55.2

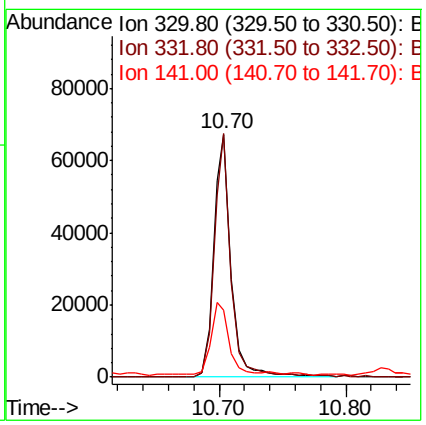


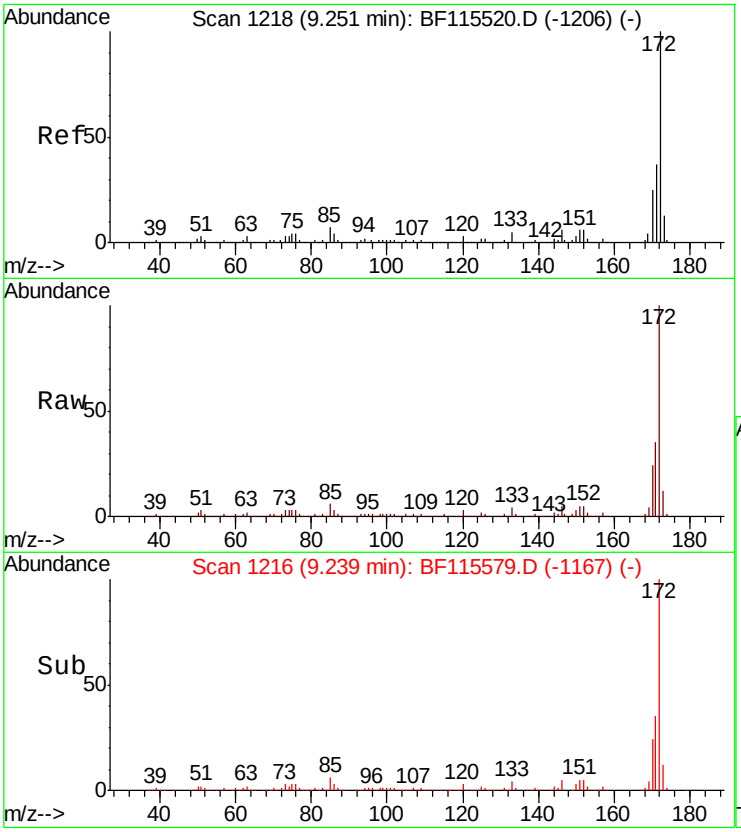


#42
2,4,6-Tribromophenol
Concen: 16.479 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:330 Resp: 64810

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	30.5	22.4	33.6



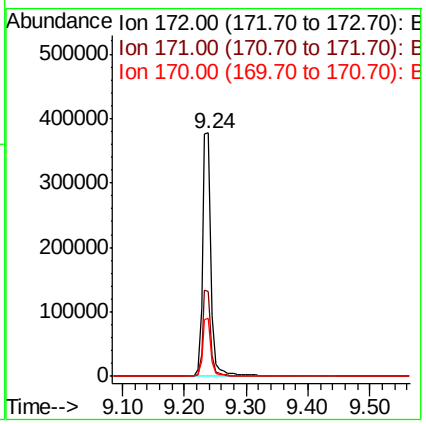


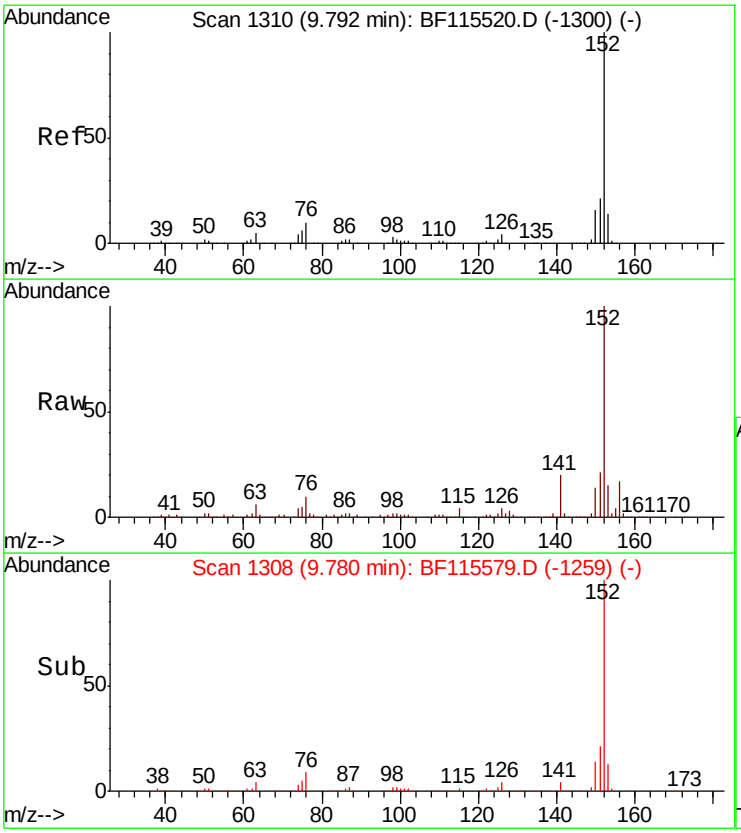
#45
2-Fluorobiphenyl
Concen: 19.196 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:172 Resp: 369545

Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.6	46.0
170	23.6	20.5	30.7

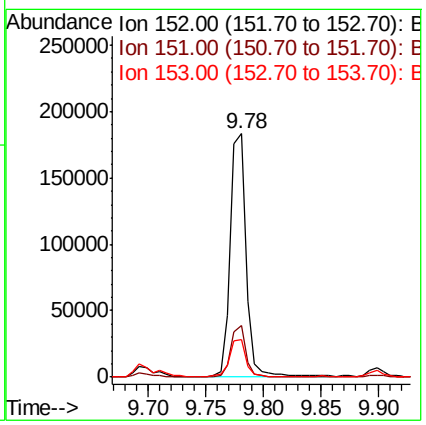


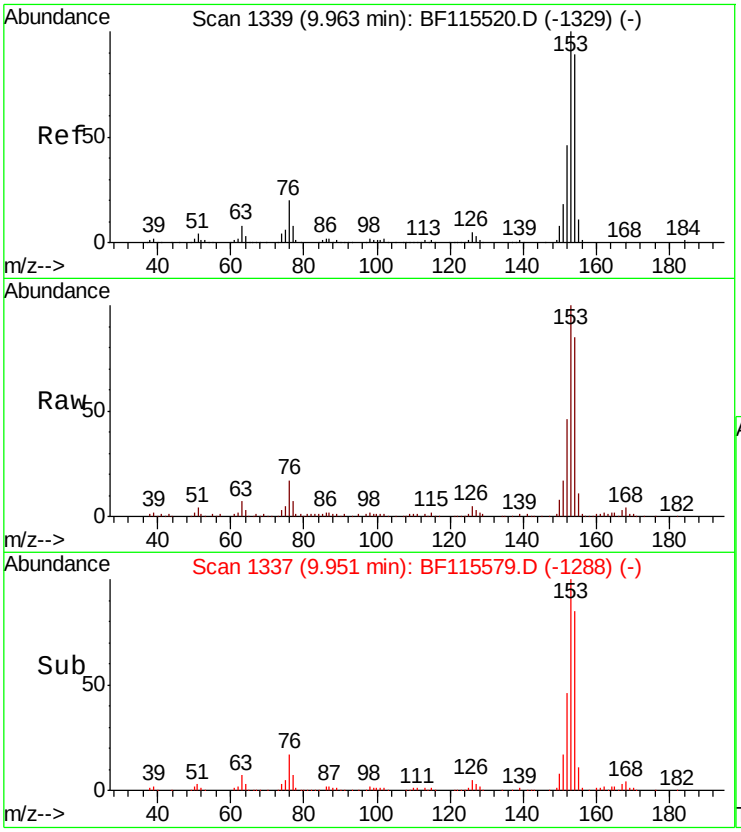


#49
Acenaphthylene
Concen: 5.461 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:152 Resp: 177492

Ion	Ratio	Lower	Upper
152	100		
151	21.2	17.7	26.5
153	15.4	12.0	18.0



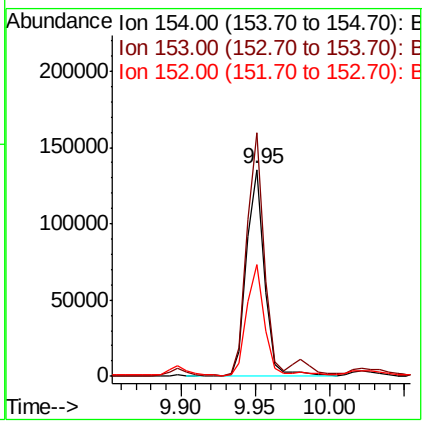


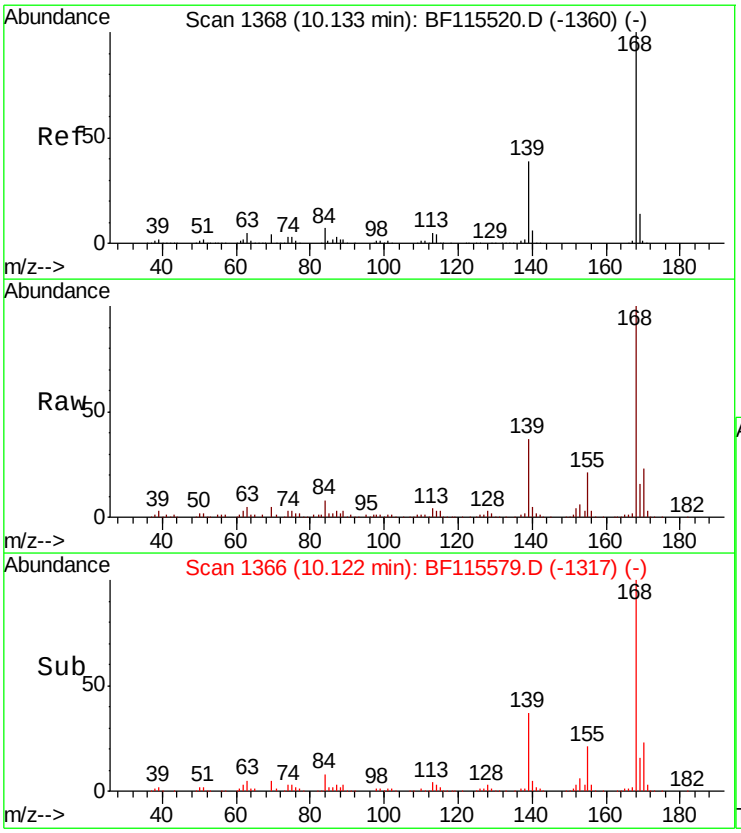
#52
Acenaphthene
Concen: 5.326 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:154 Resp: 111758

Ion	Ratio	Lower	Upper
154	100		
153	117.5	88.6	133.0
152	54.0	42.3	63.5

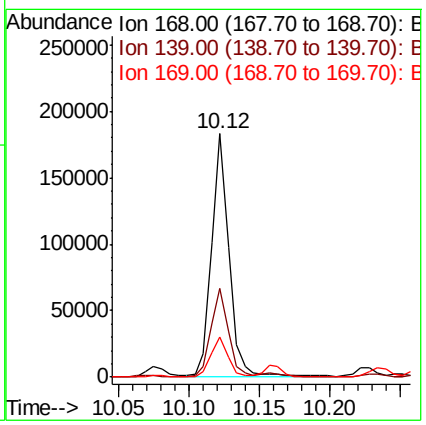


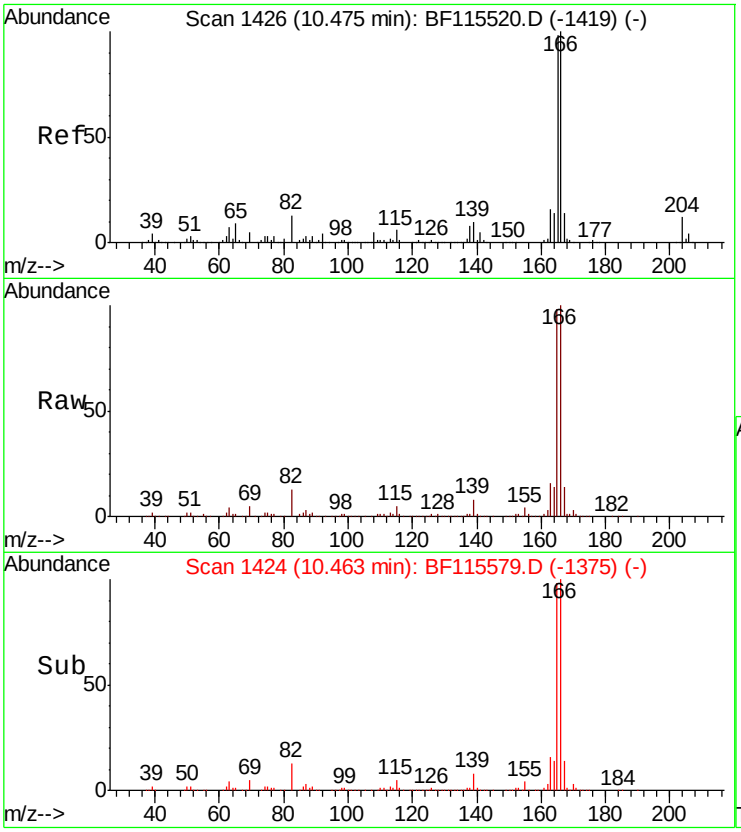


#55
Dibenzofuran
Concen: 5.268 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:168 Resp: 156967

Ion	Ratio	Lower	Upper
168	100		
139	36.7	31.1	46.7
169	16.3	11.1	16.7



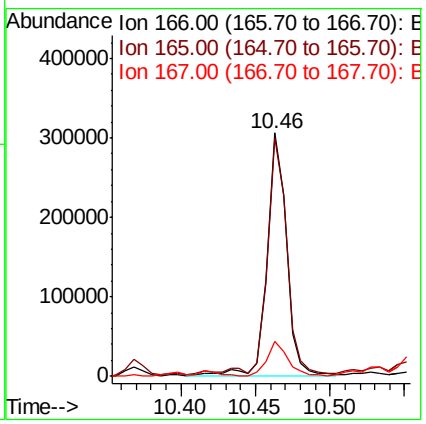


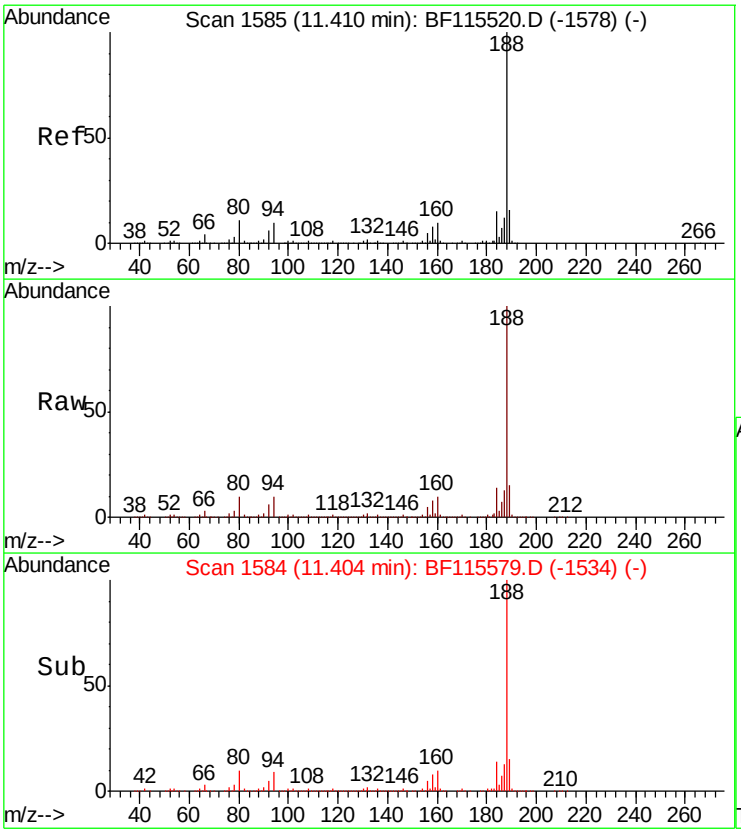
#58
Fluorene
Concen: 12.764 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:166 Resp: 271910

Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.8	119.6
167	14.2	11.2	16.8

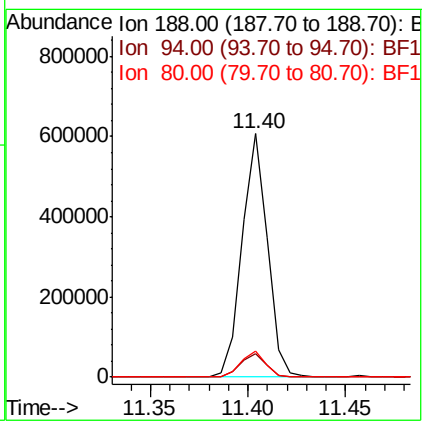


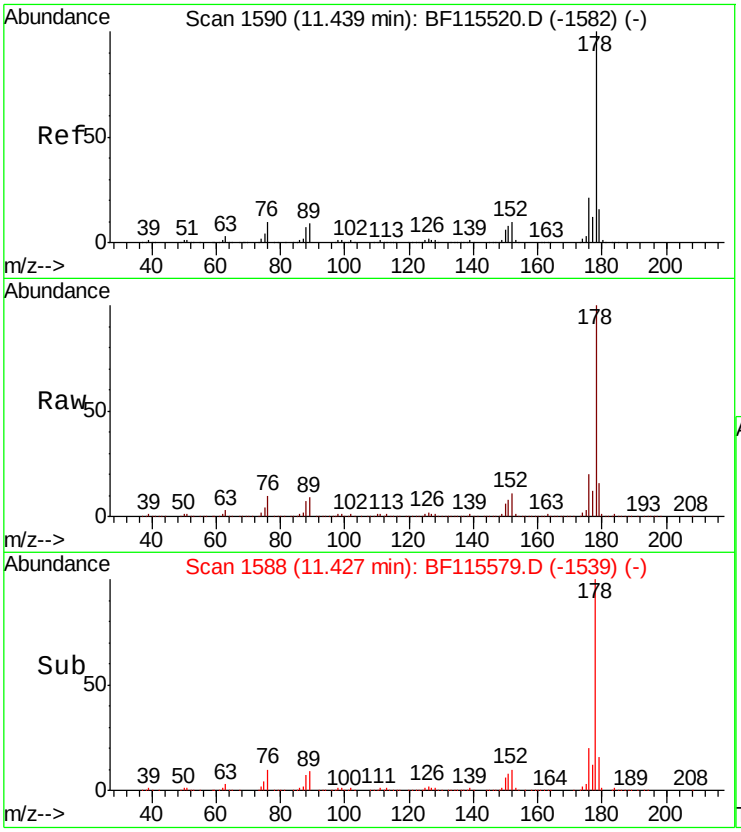


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:188 Resp: 547493

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.8	11.6
80	10.5	8.6	13.0



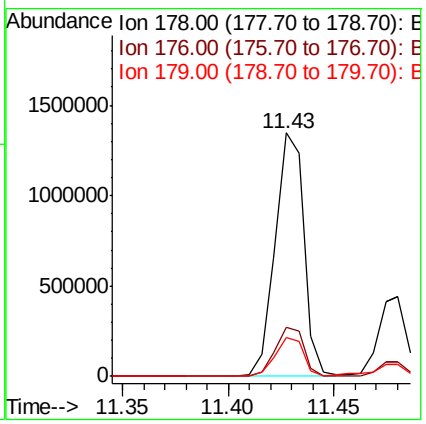


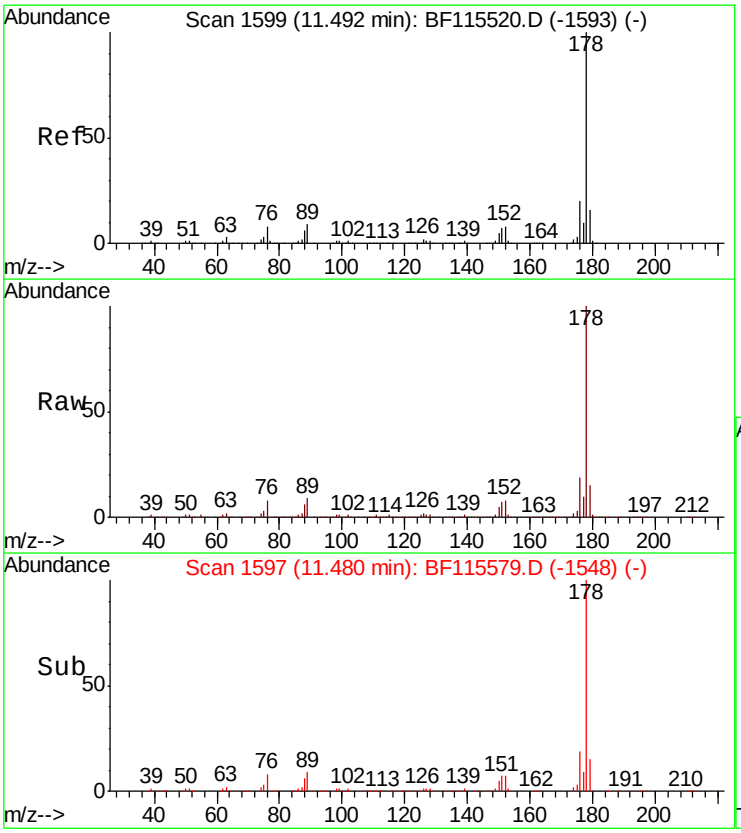
#71
Phenanthrene
Concen: 45.517 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:178 Resp: 1277394

Ion	Ratio	Lower	Upper
178	100		
176	20.0	17.2	25.8
179	16.1	13.5	20.3

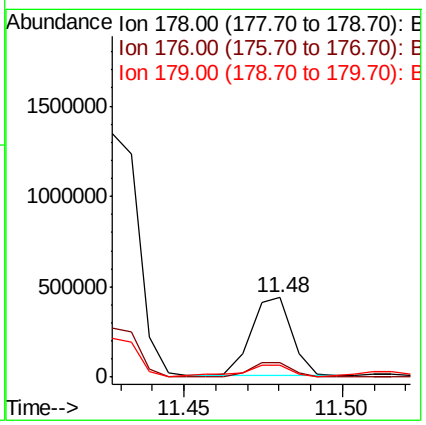


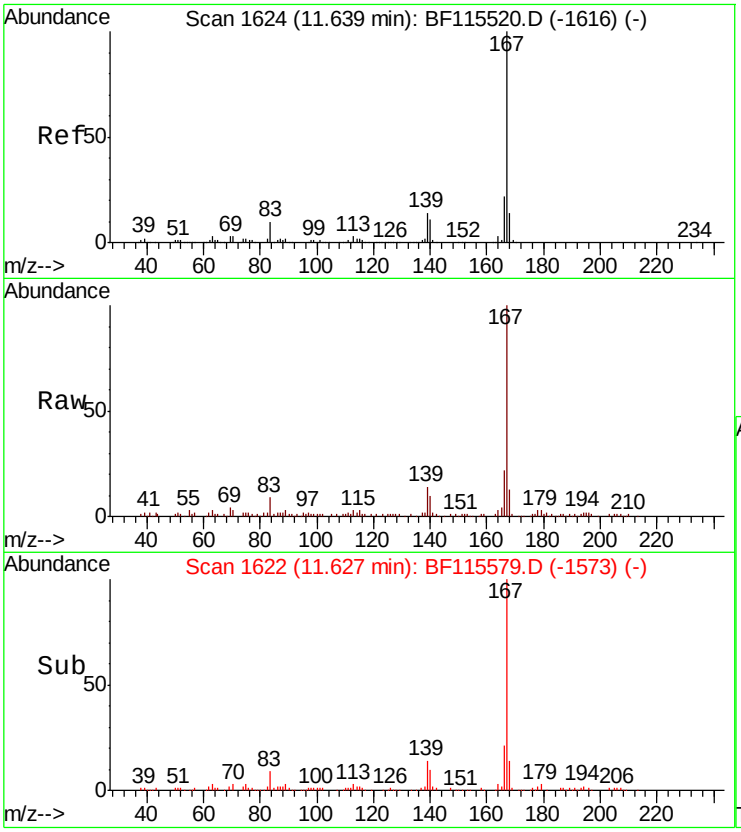


#72
Anthracene
Concen: 13.467 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:178 Resp: 390589

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.2	12.7	19.1



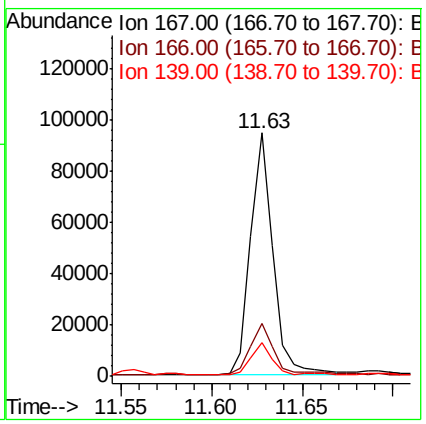


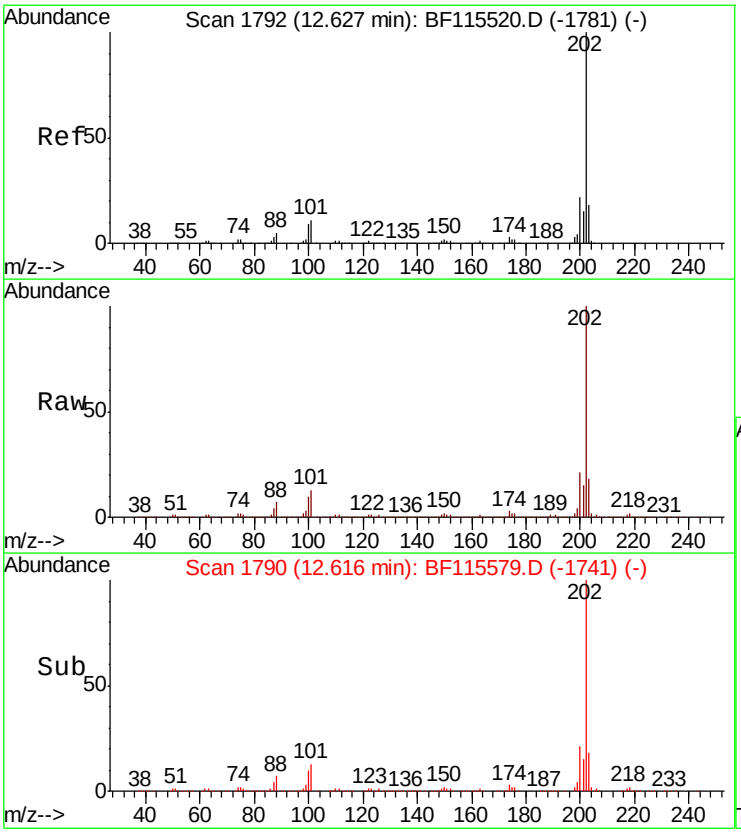
#73
Carbazole
Concen: 3.232 ng
RT: 11.63 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:167 Resp: 82191

Ion	Ratio	Lower	Upper
167	100		
166	21.7	18.1	27.1
139	14.1	11.3	16.9

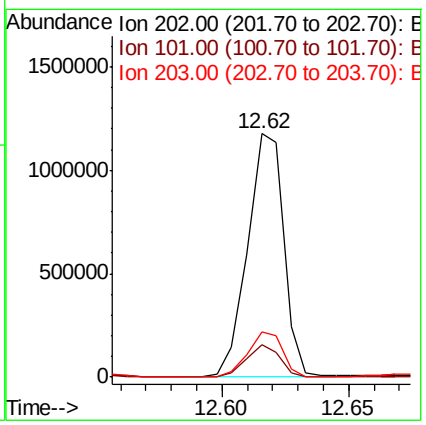


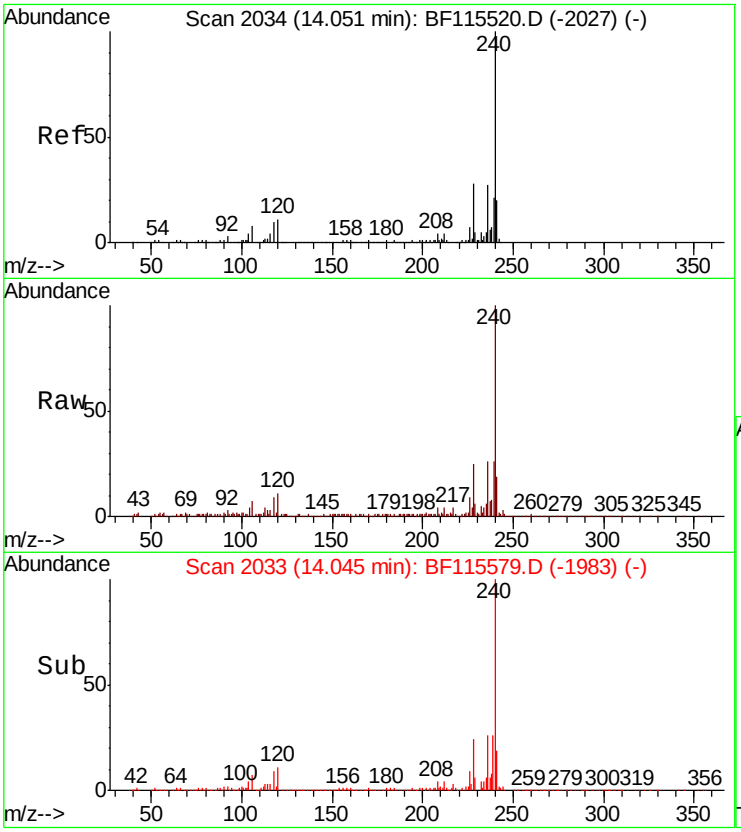


#75
Fluoranthene
Concen: 39.481 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:202 Resp: 1170851

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	31.4
203	18.4	0.0	38.1



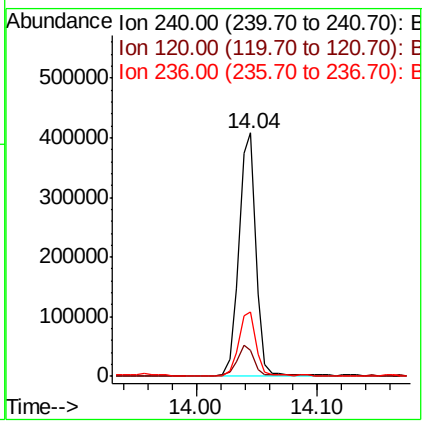


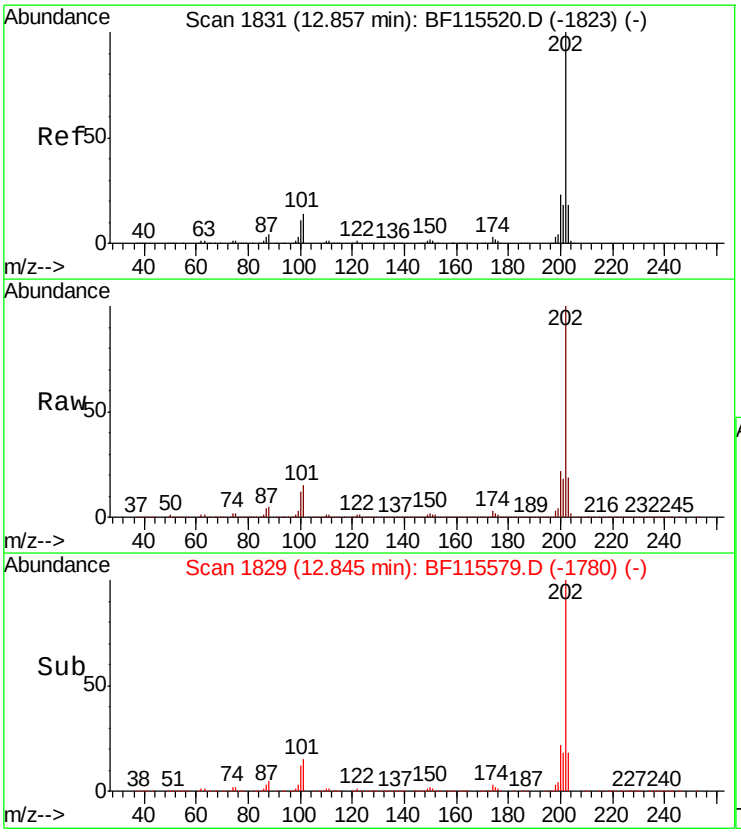
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:240 Resp: 401932

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	26.4	21.3	31.9

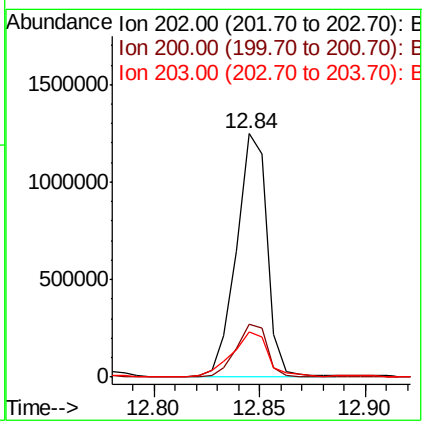


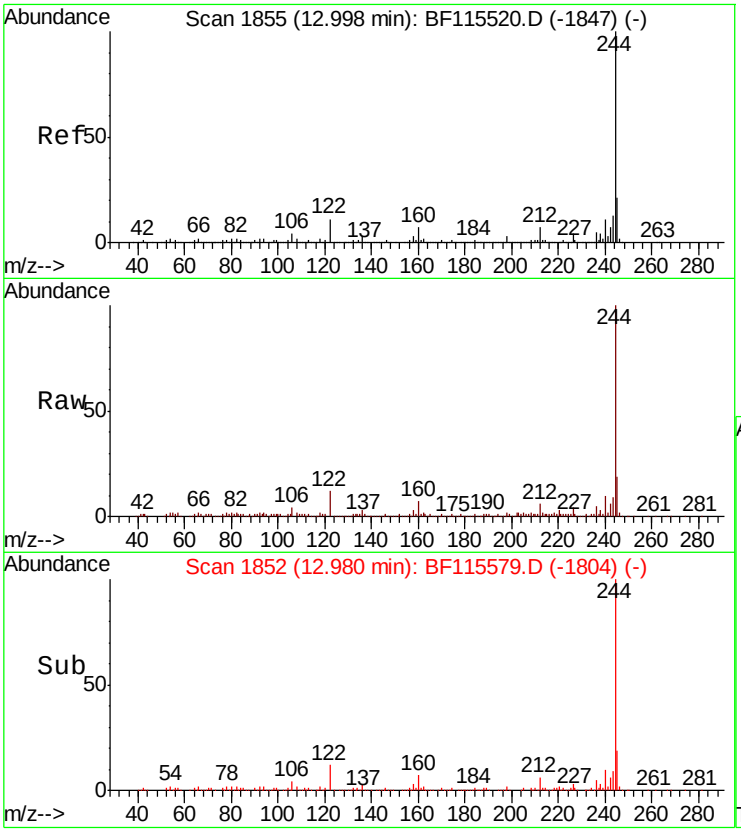


#78
Pyrene
Concen: 36.842 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:202 Resp: 1254576

Ion	Ratio	Lower	Upper
202	100		
200	21.8	18.7	28.1
203	18.7	15.2	22.8



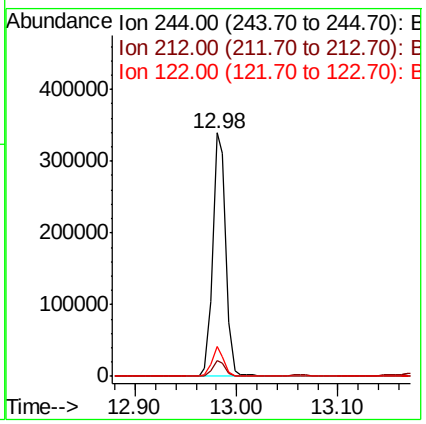


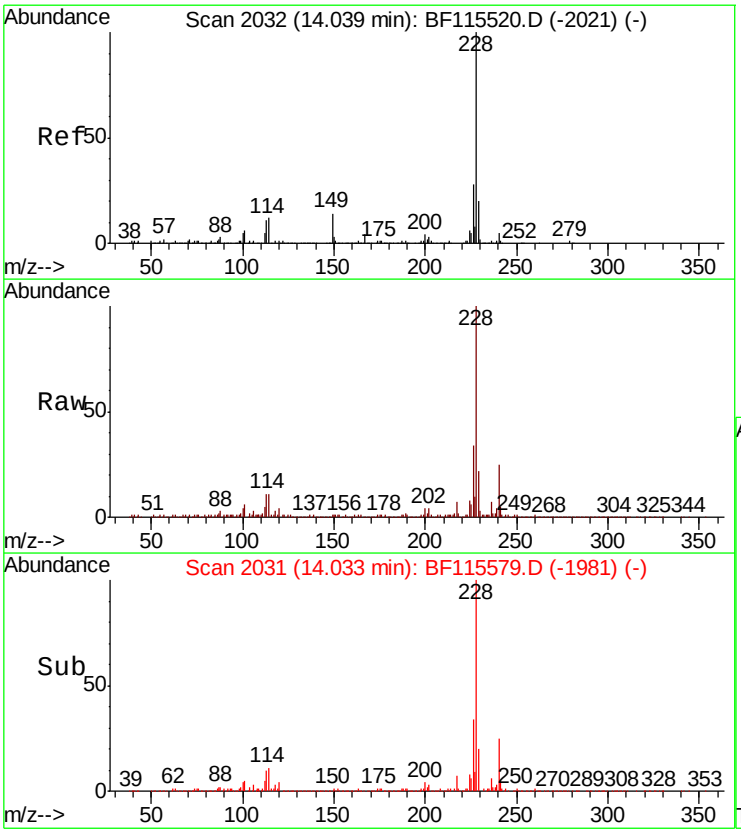
#79
Terphenyl-d14
Concen: 13.941 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.02 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:244 Resp: 303685

Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	12.2	8.6	12.8

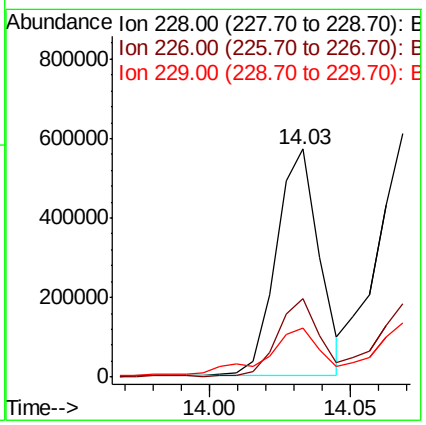


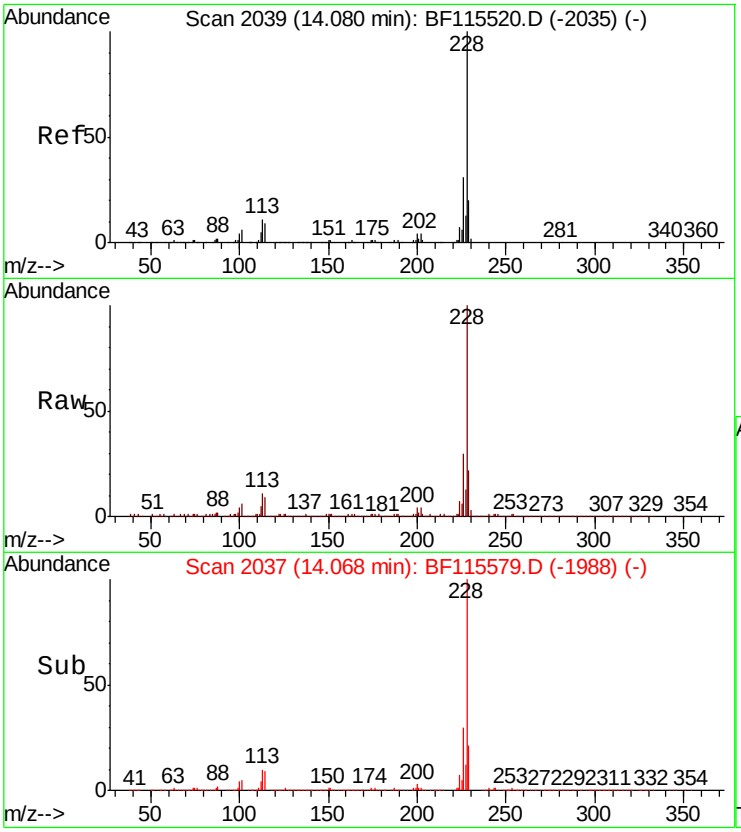


#81
Benzo(a)anthracene
Concen: 22.695 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:228 Resp: 600962

Ion	Ratio	Lower	Upper
228	100		
226	34.2	23.4	35.0
229	21.8	17.2	25.8



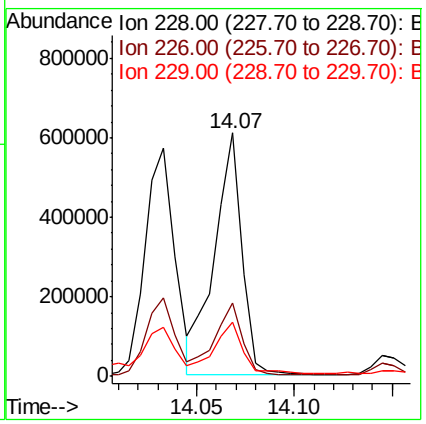


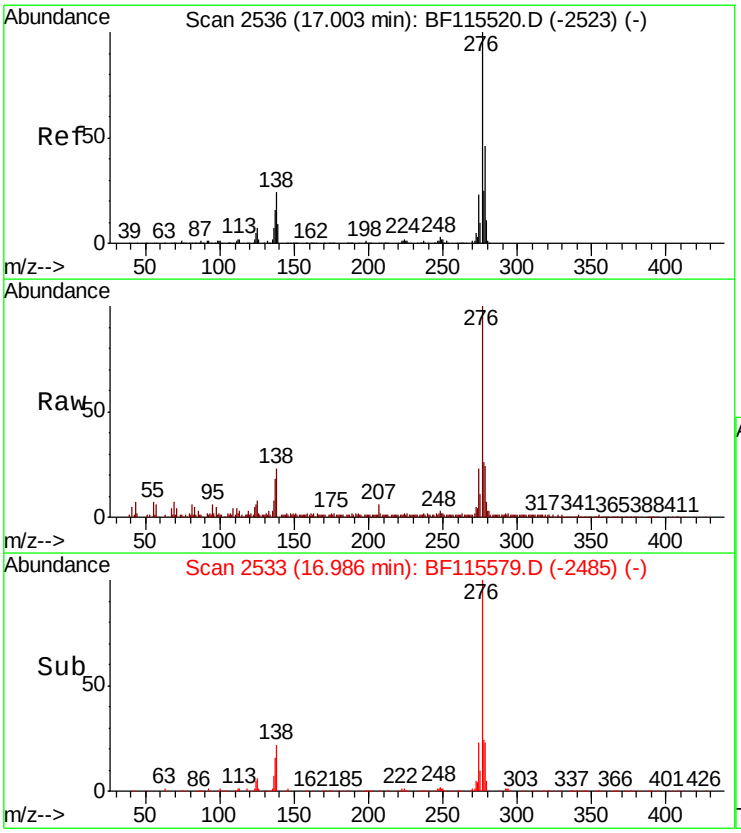
#83
Chrysene
Concen: 22.556 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:228 Resp: 599581

Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.7	38.5
229	22.2	16.6	25.0

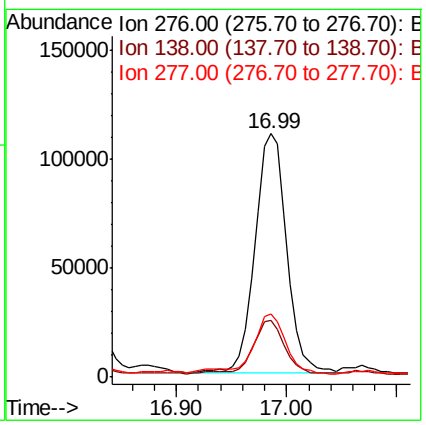


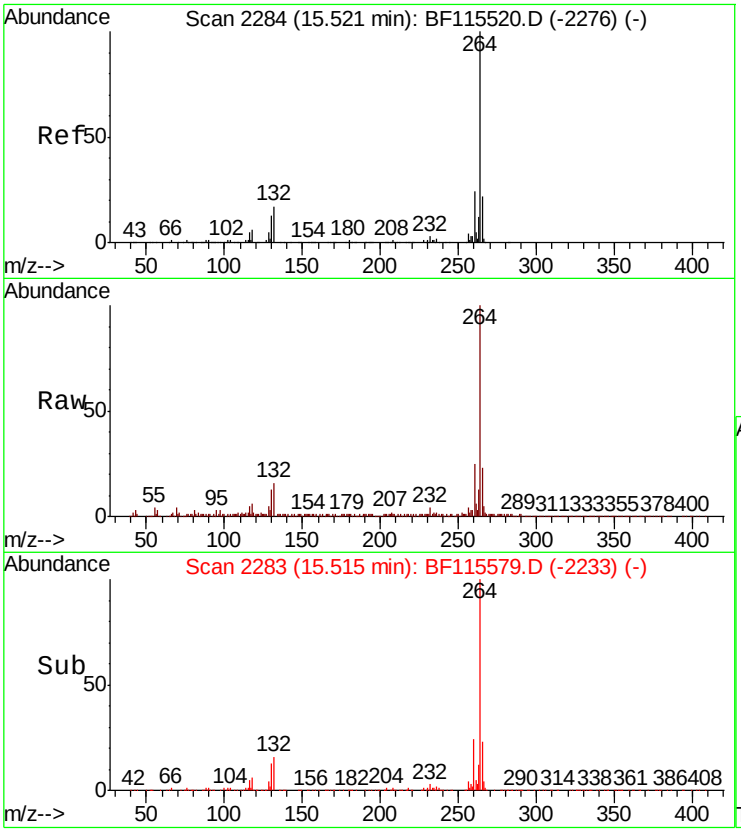


#86
Indeno(1,2,3-cd)pyrene
Concen: 9.769 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.02 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:276 Resp: 220623

Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.2	30.2
277	23.9	20.4	30.6



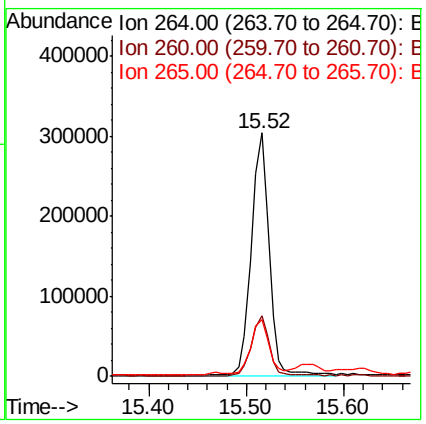


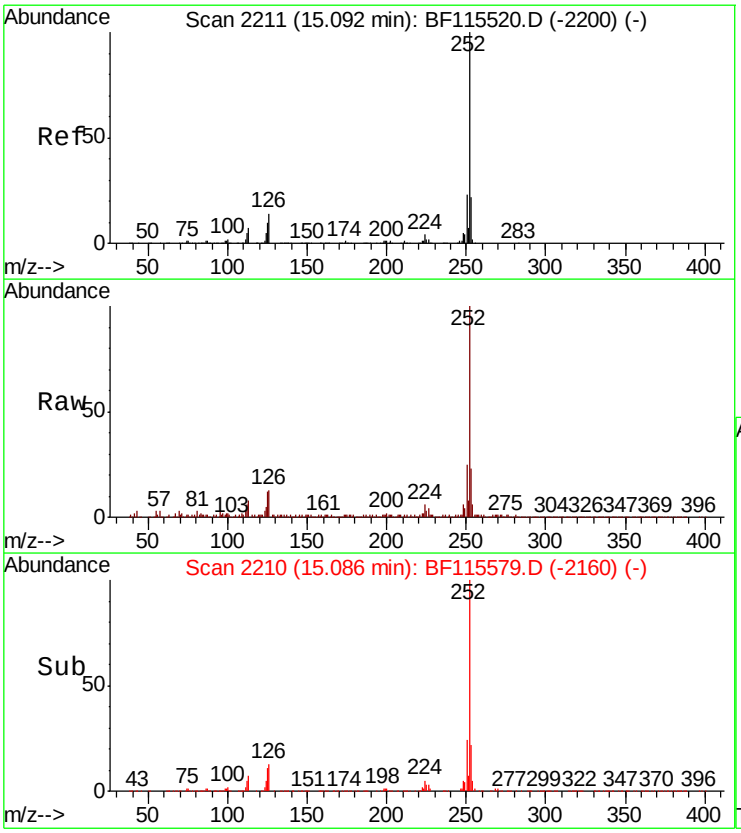
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:264 Resp: 387748

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.8	29.8
265	23.3	17.7	26.5

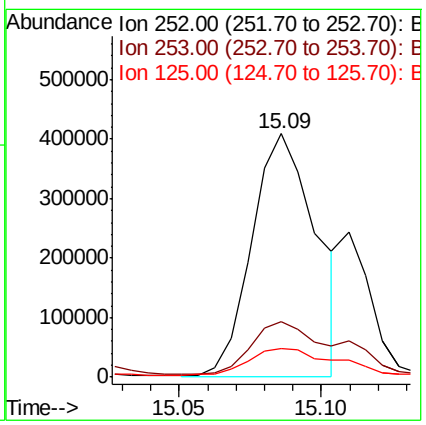


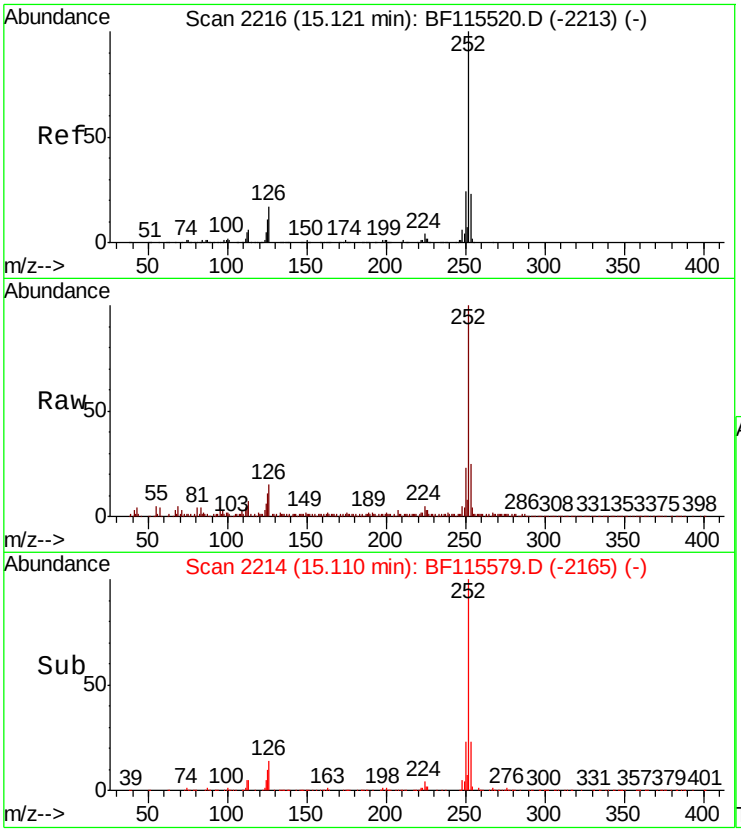


#88
Benzo(b)fluoranthene
Concen: 25.987 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:252 Resp: 648828

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	11.9	9.0	13.4



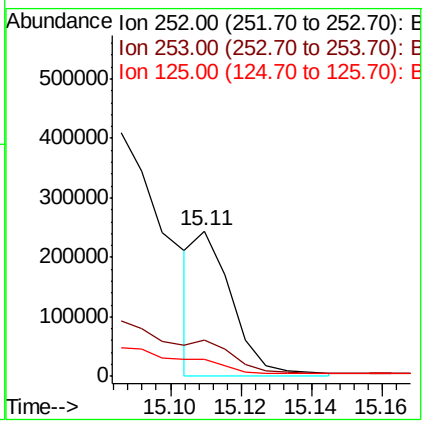


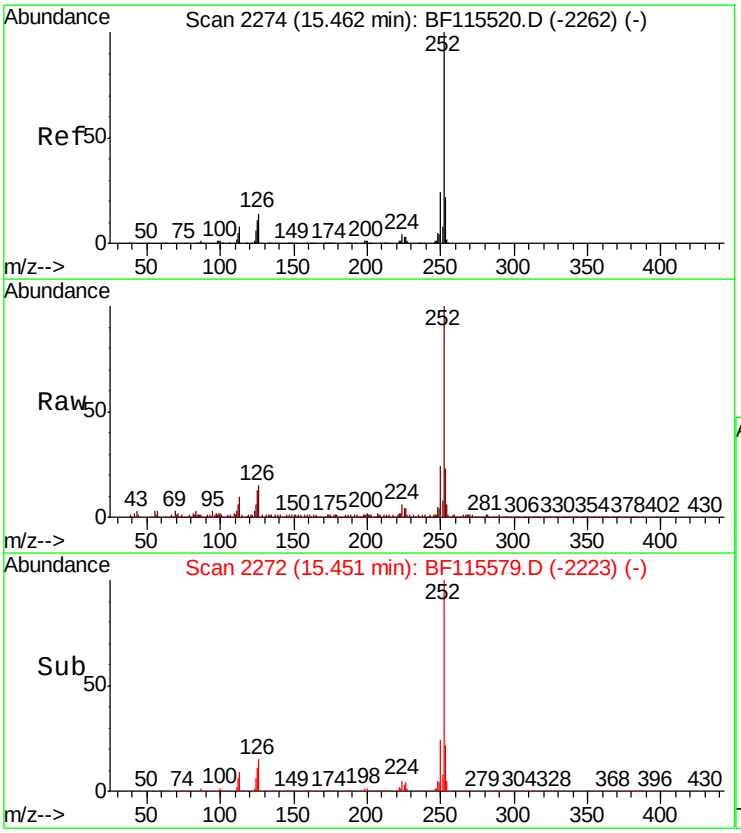
#89
Benzo(k)fluoranthene
Concen: 8.162 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:252 Resp: 181685

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.6	28.0
125	11.4	9.0	13.6

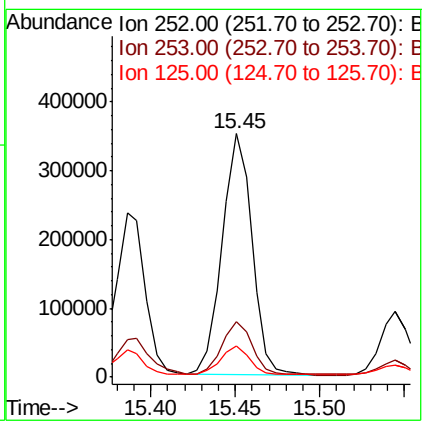


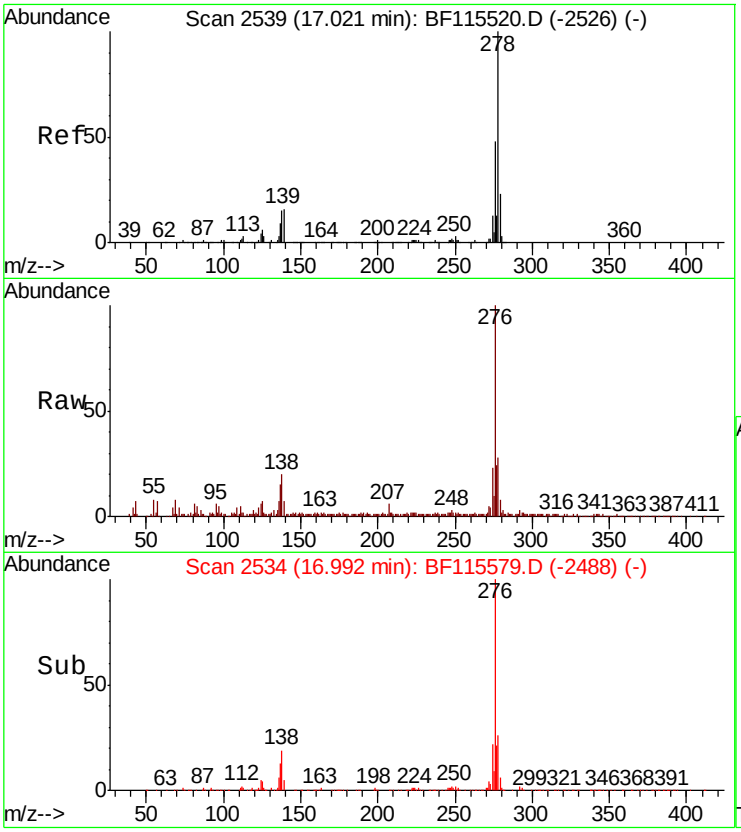


#90
Benzo(a)pyrene
Concen: 20.178 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:252 Resp: 433012

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	12.6	9.1	13.7



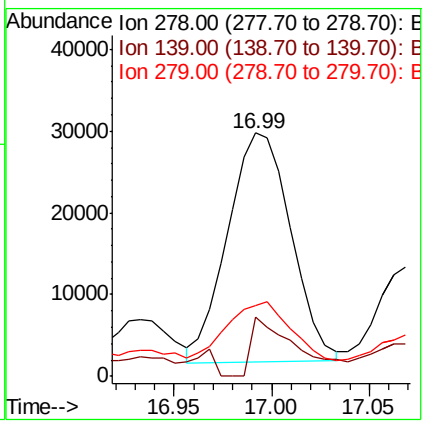


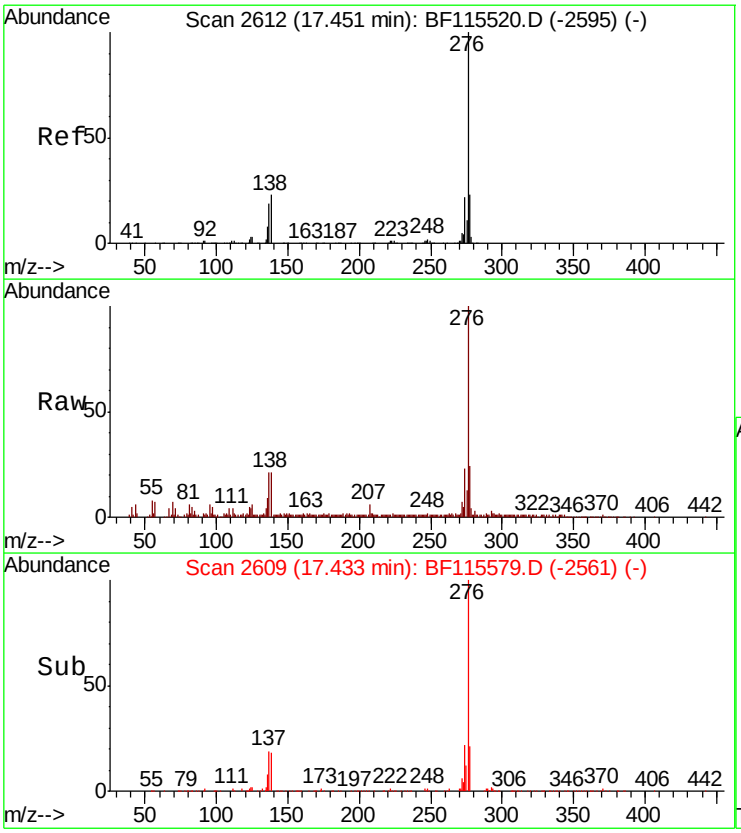
#91
Dibenzo(a,h)anthracene
Concen: 3.339 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.03 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Instrument :
BNA_F
ClientSampleId :
HD-02-071119

Tgt Ion:278 Resp: 62897

Ion	Ratio	Lower	Upper
278	100		
139	24.4	13.1	19.7#
279	29.0	19.6	29.4





#92
Benzo(g,h,i)perylene
Concen: 10.691 ng
RT: 17.43 min Scan# 2609
Delta R.T. -0.02 min
Lab File: BF115579.D
Acq: 16 Jul 2019 1:26

Tgt Ion:276 Resp: 200865

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	20.6	17.2	25.8