Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007152.D
Acq On : 14 Aug 2019 04:32
Operator : HP/JU
Sample : K4173-14
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : EXT-032-SW177-073119

Quant Time: Aug 14 12:28:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9712	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	37560	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	21847	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	49300	0.40	ng		0.00
26) Chrysene-d12	21.05	240	47010	0.40	ng		-0.01
32) Perylene-d12	23.16	264	55784	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	5926	0.25	ng		0.00
4) Phenol-d6	6.62	99	7905	0.27	ng		0.00
7) Nitrobenzene-d5	8.56	82	6486	0.21	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	14378	0.21	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2718	0.23	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	3068	0.10	ng		0.00
24) Fluoranthene-d10	18.87	212	37500	0.21	ng		0.00
28) Terphenyl-d14	19.49	244	30157	0.24	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.24	128	22074	0.210	ng		98
11) 2-Methylnaphthalene	11.86	142	20406	0.273	ng		95
15) Acenaphthylene	13.79	152	316280	2.770	ng		100
16) Acenaphthene	14.13	154	27718	0.379	ng		94
17) Fluorene	15.13	166	61319	0.560	ng	#	80
21) Pentachlorophenol	16.48	266	2865	0.262	ng		99
22) Phenanthrene	16.87	178	978635	6.624	ng		100
23) Anthracene	16.95	178	320058	2.371	ng		98
25) Fluoranthene	18.90	202	2227072	11.784	ng		99
27) Pyrene	19.26	202	2342710	14.210	ng	#	95
29) Benzo(a)anthracene	21.02	228	1168663m	6.798	ng		
30) Chrysene	21.08	228	1371846	8.213	ng		97
31) Indeno(1,2,3-cd)pyrene	25.24	276	936826	5.089	ng		98
33) Benzo(b)fluoranthene	22.54	252	1763890	9.221	ng		99
34) Benzo(k)fluoranthene	22.57	252	599140m	3.171	ng		
35) Benzo(a)pyrene	23.07	252	1216667	7.016	ng		100
36) Dibenzo(a,h)anthracene	25.25	278	227913	1.317	ng	#	87
37) Benzo(g,h,i)perylene	25.88	276	989539	5.560	ng		99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
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Acq On : 14 Aug 2019 04:32
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Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
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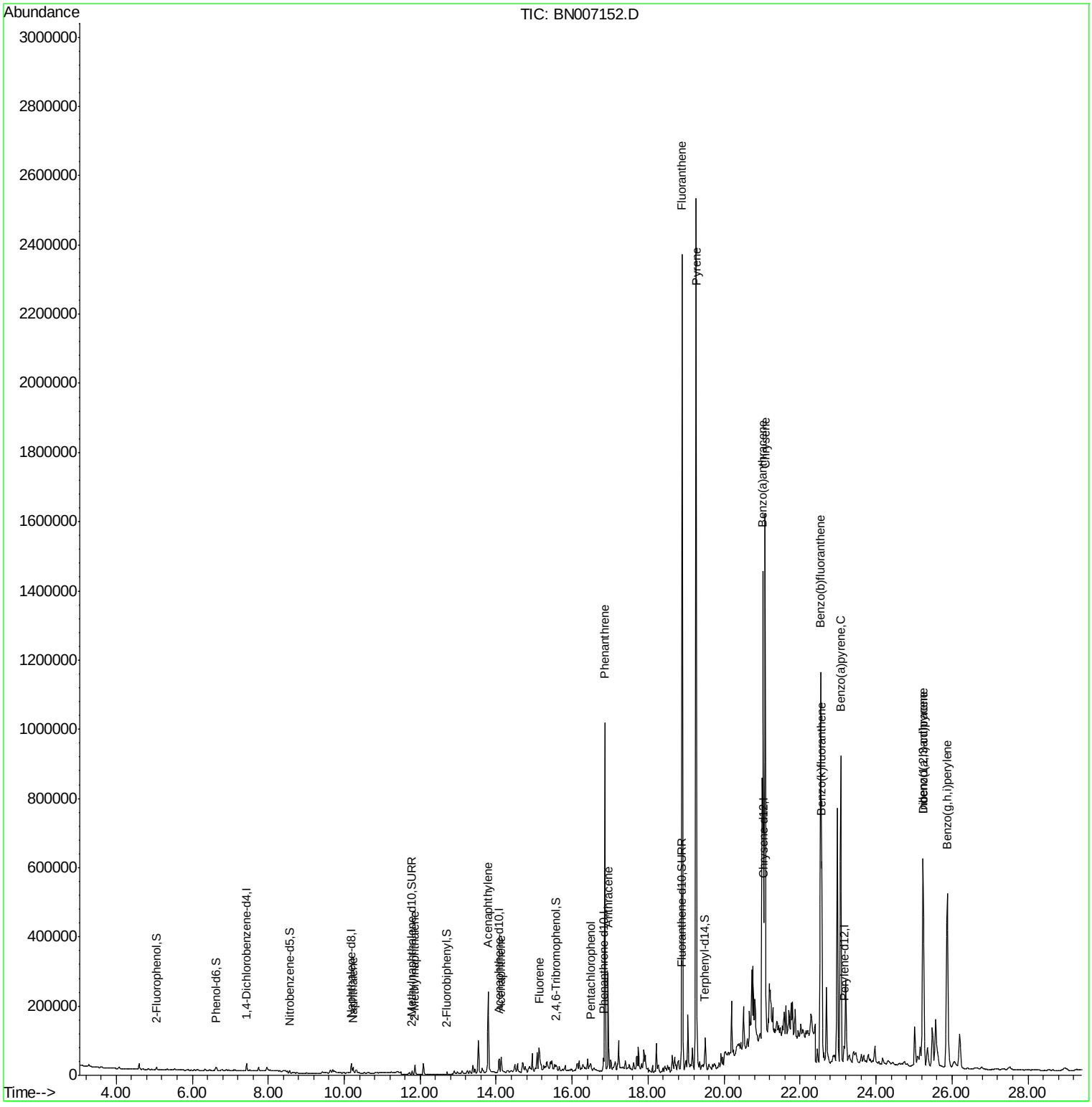
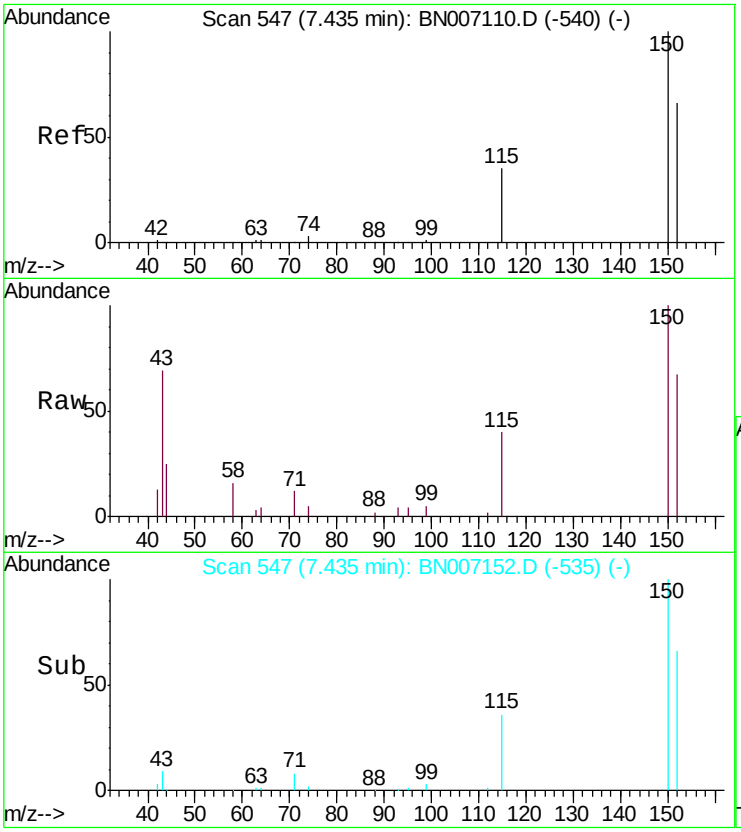


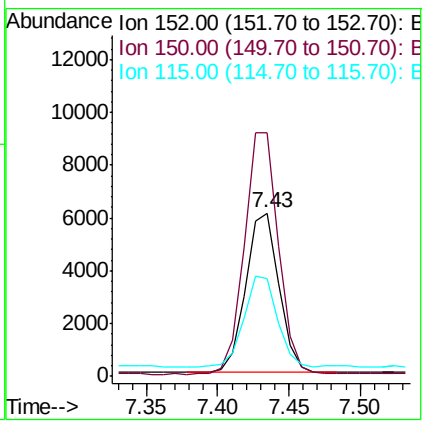


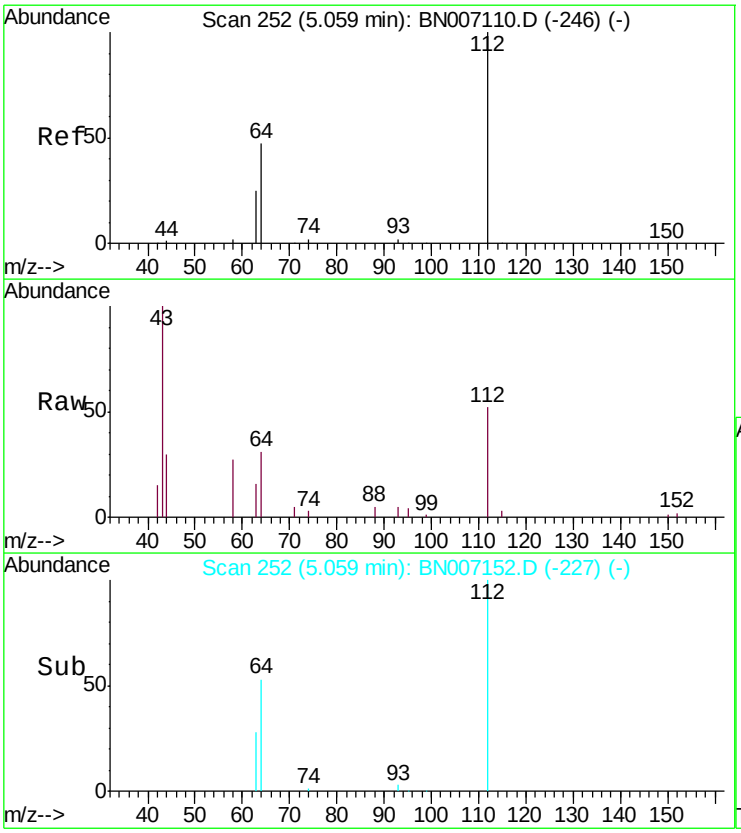
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:152 Resp: 9712

Ion	Ratio	Lower	Upper
152	100		
150	148.7	121.7	182.5
115	59.4	46.2	69.4

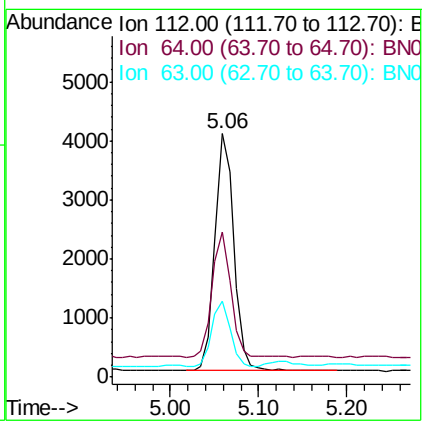


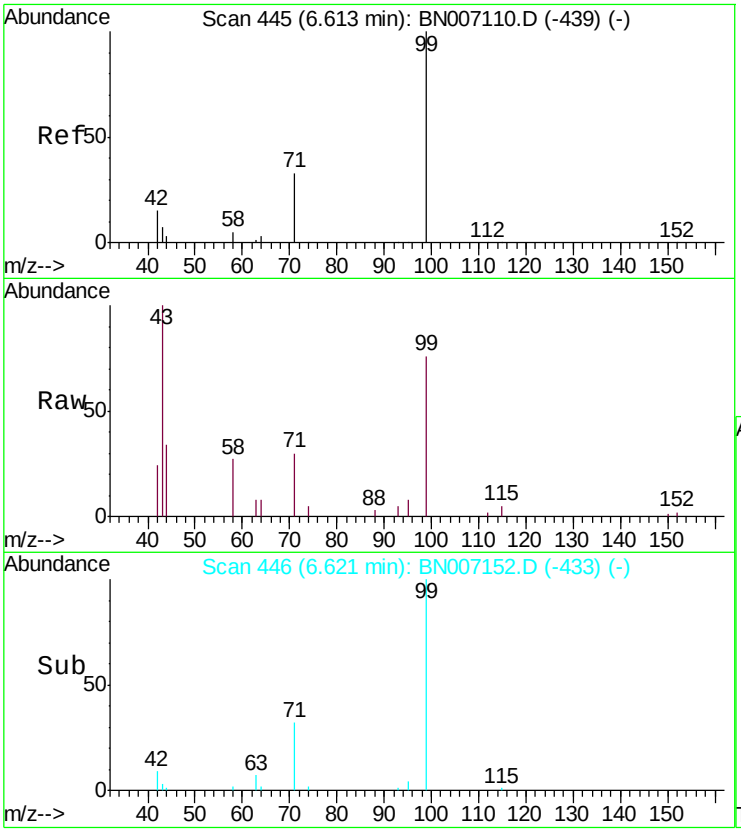


#3
2-Fluorophenol
Concen: 0.254 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:112 Resp: 5926

Ion	Ratio	Lower	Upper
112	100		
64	51.2	42.6	63.8
63	27.2	22.2	33.2



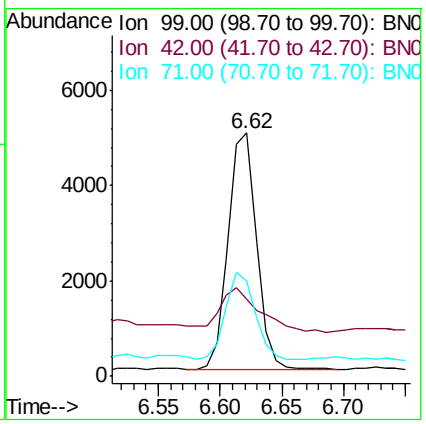


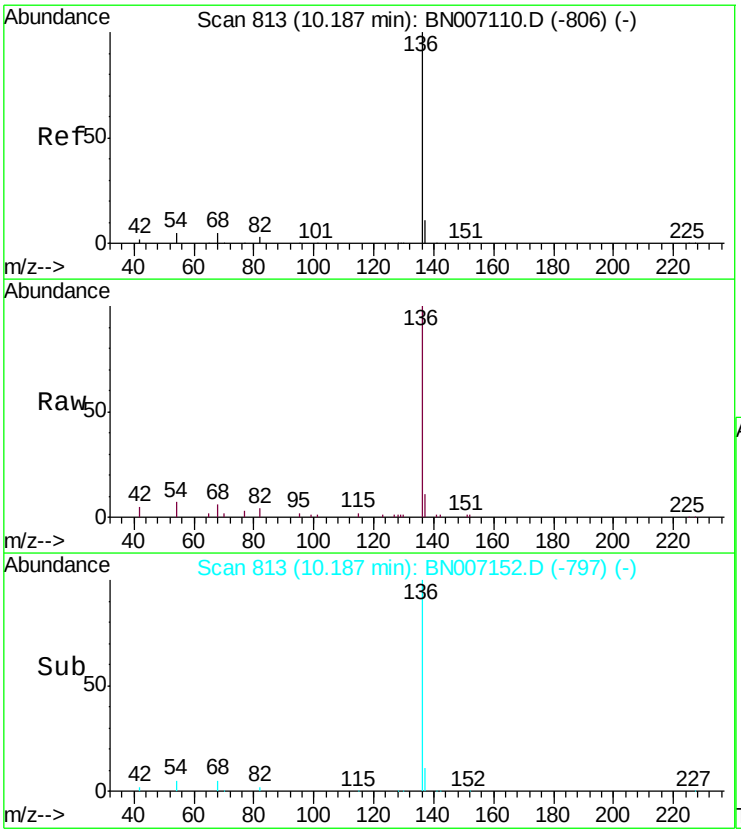
#4
Phenol-d6
Concen: 0.273 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion: 99 Resp: 7905

Ion	Ratio	Lower	Upper
99	100		
42	26.3	15.8	23.6#
71	38.0	27.0	40.4

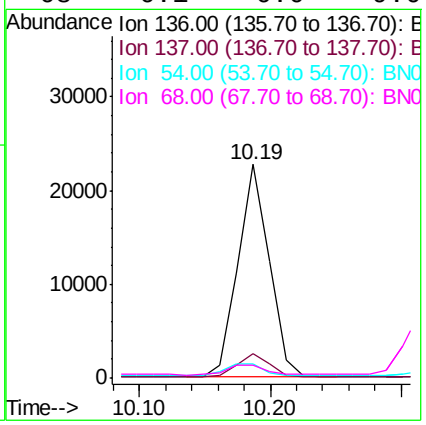


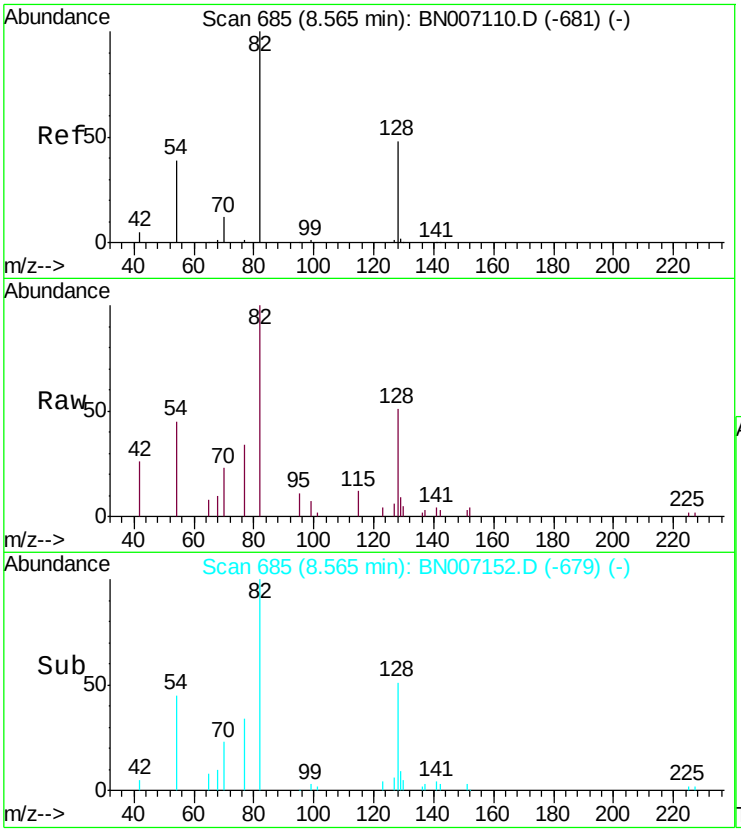


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:136 Resp: 37560

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.0
54	6.7	6.6	9.8
68	6.1	6.0	9.0



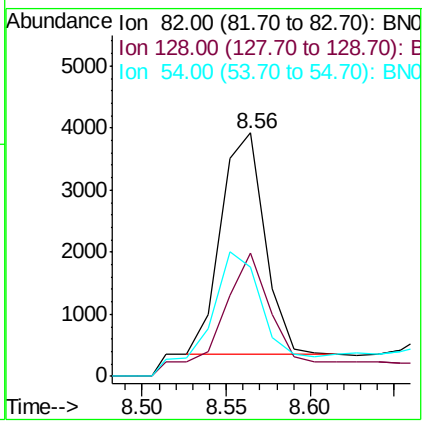


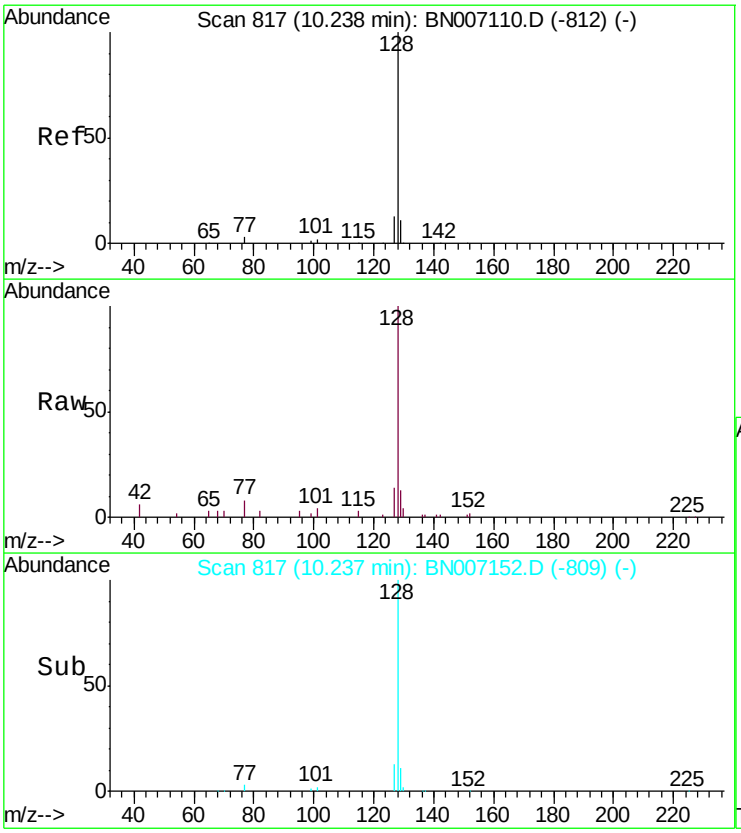
#7
Nitrobenzene-d5
Concen: 0.214 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion: 82 Resp: 6486

Ion	Ratio	Lower	Upper
82	100		
128	50.7	34.6	51.8
54	44.7	36.2	54.4

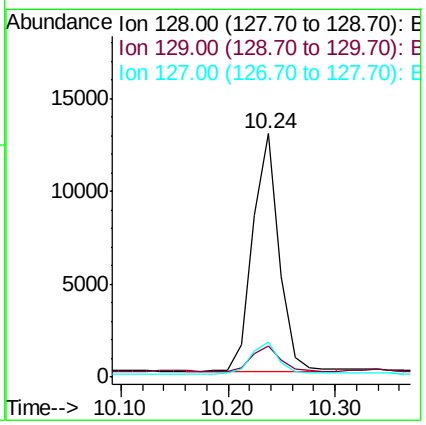


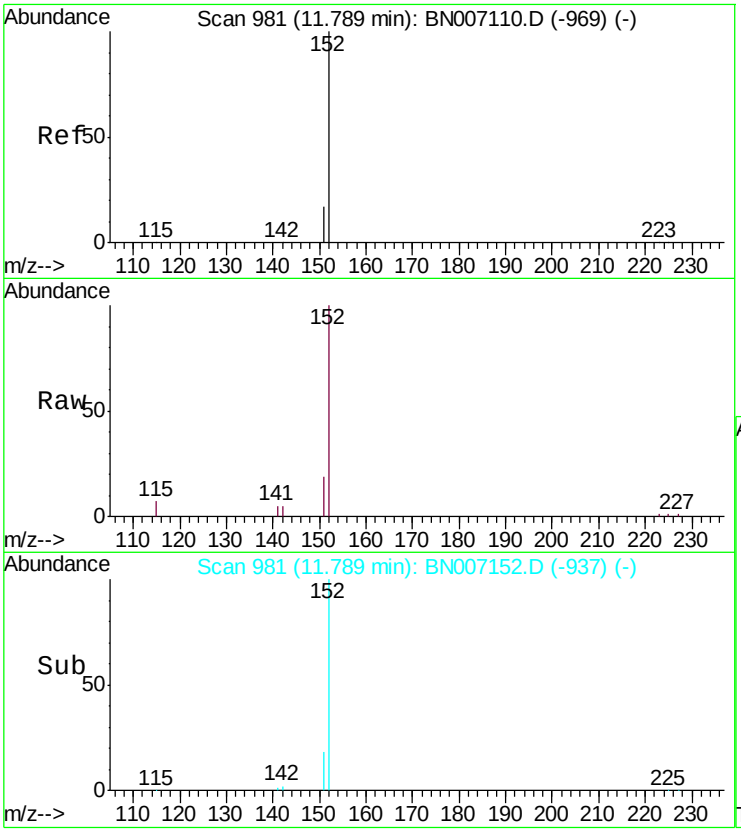


#8
Naphthalene
Concen: 0.210 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:128 Resp: 22074

Ion	Ratio	Lower	Upper
128	100		
129	12.9	9.4	14.2
127	14.3	11.0	16.6



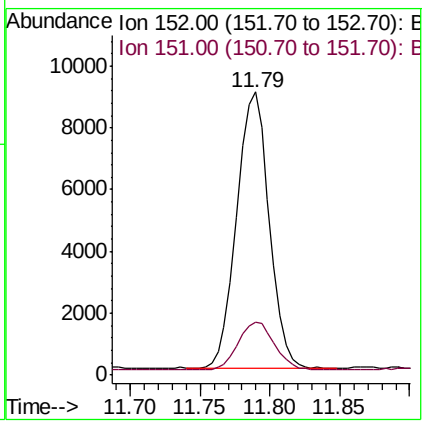


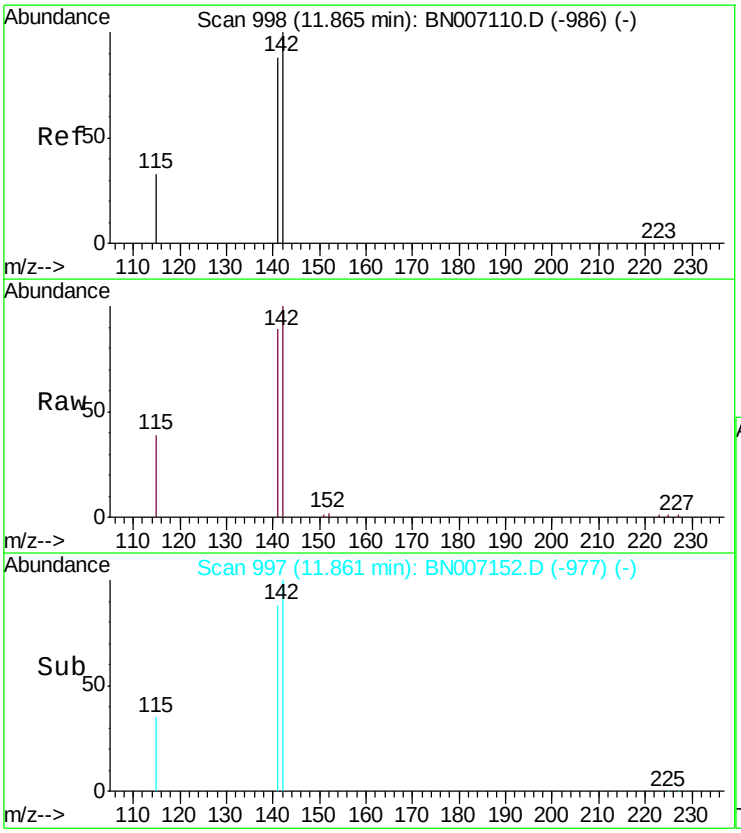
#10
2-Methylnaphthalene-d10
Concen: 0.205 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:152 Resp: 14378

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3

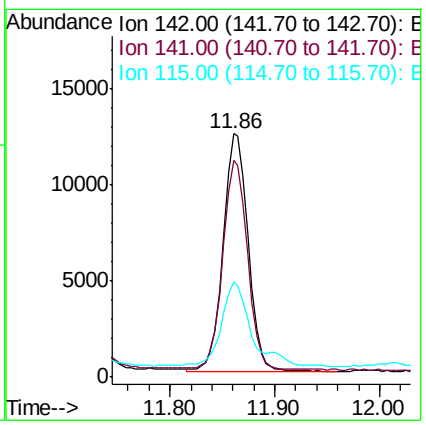


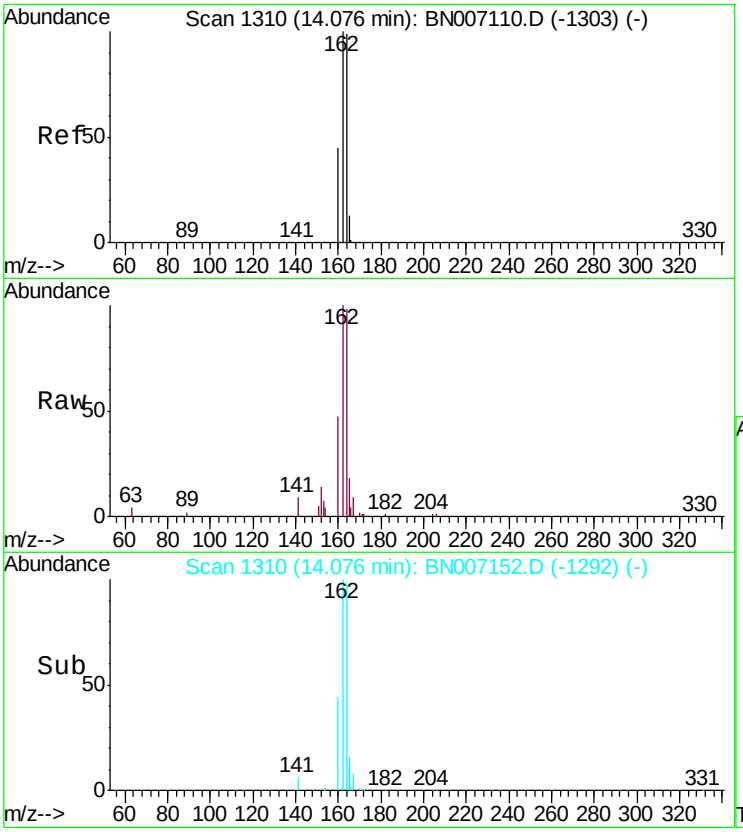


#11
2-Methylnaphthalene
Concen: 0.273 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:142 Resp: 20406

Ion	Ratio	Lower	Upper
142	100		
141	89.1	69.0	103.6
115	38.9	27.1	40.7



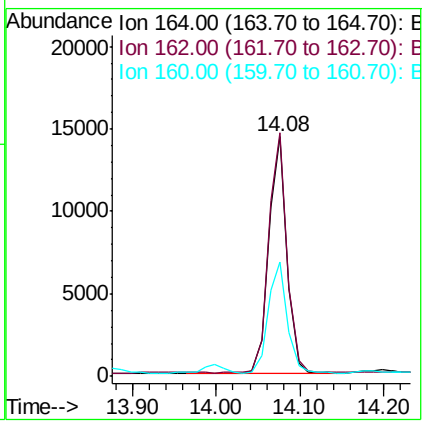


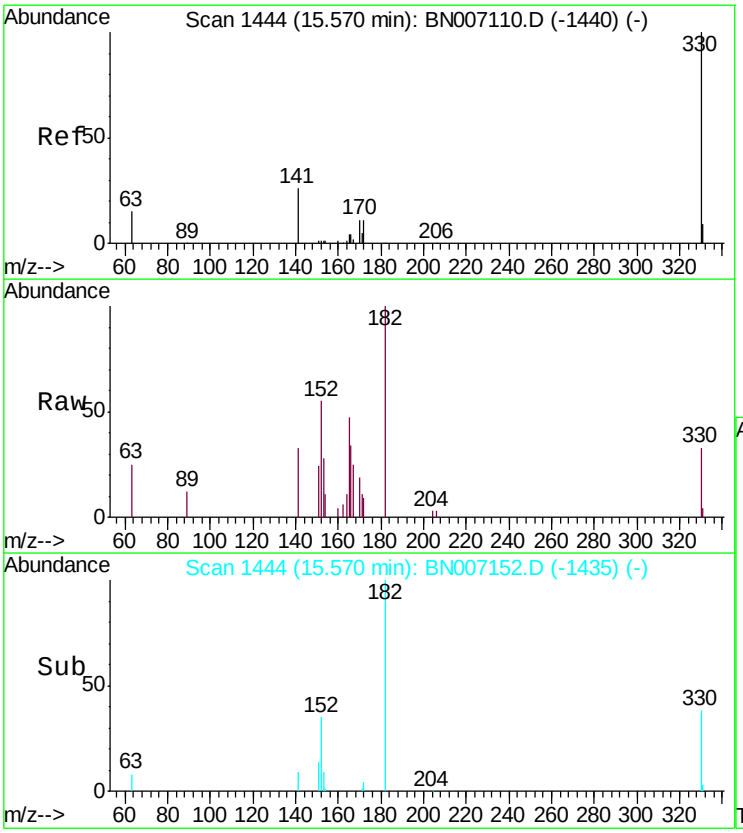
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:164 Resp: 21847

Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.2	123.4
160	47.9	38.3	57.5

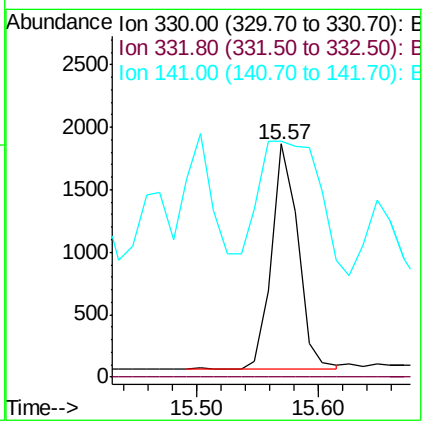


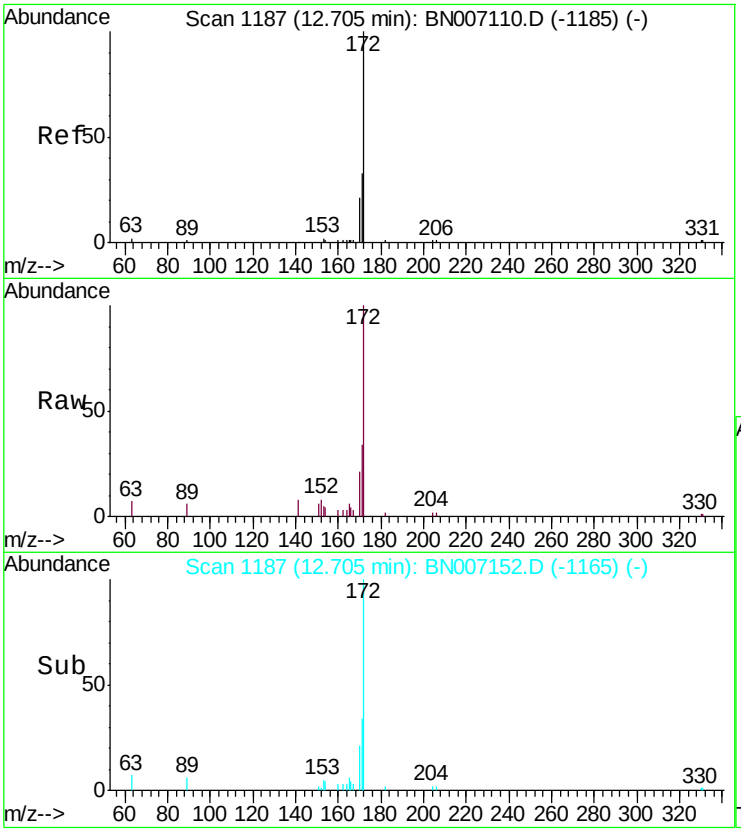


#13
2,4,6-Tribromophenol
Concen: 0.231 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:330 Resp: 2718

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	141.8	33.6	50.4#



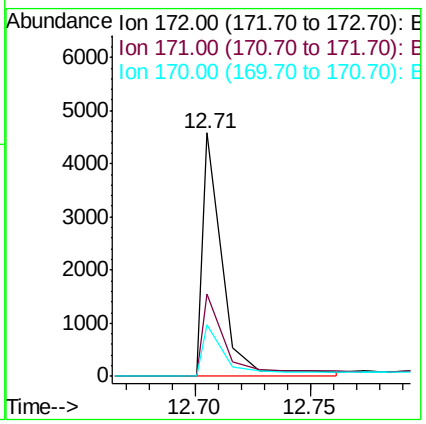


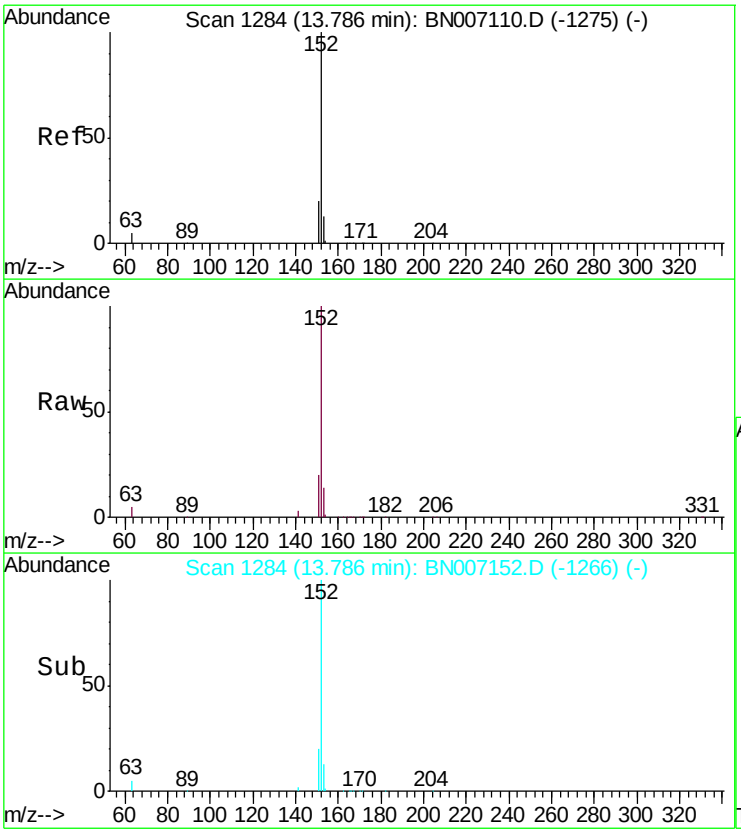
#14
2-Fluorobiphenyl
Concen: 0.097 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:172 Resp: 3068

Ion	Ratio	Lower	Upper
172	100		
171	33.7	26.3	39.5
170	21.4	17.0	25.4

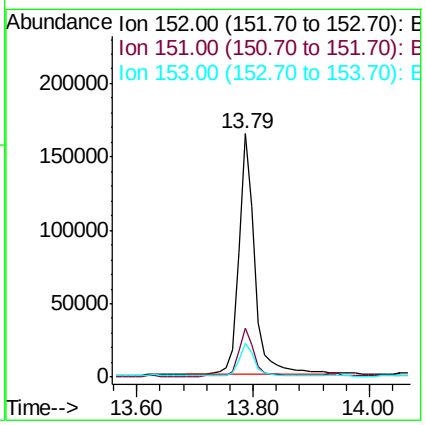


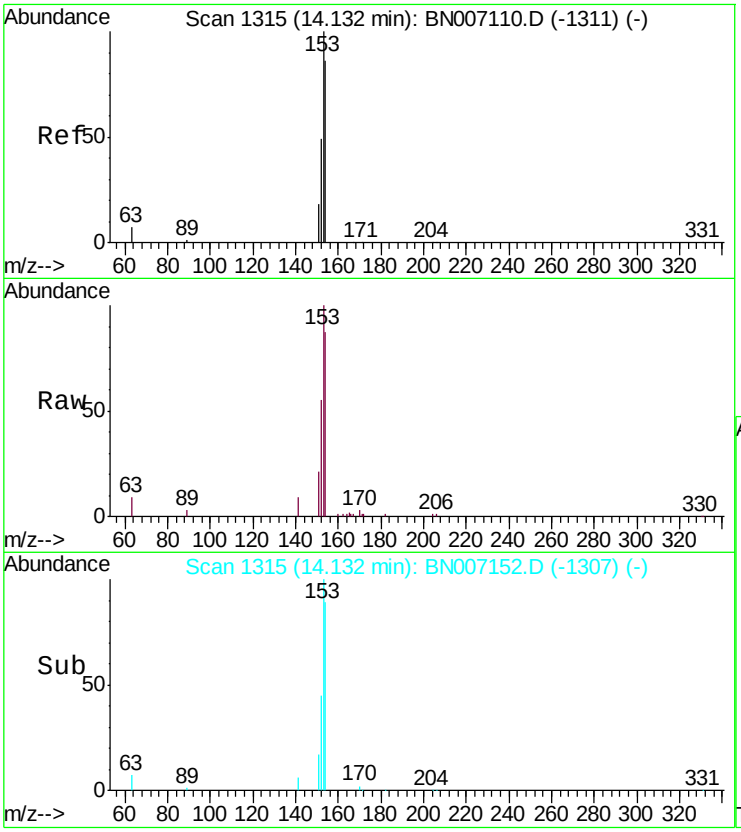


#15
Acenaphthylene
Concen: 2.770 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:152 Resp: 316280

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	12.9	10.4	15.6



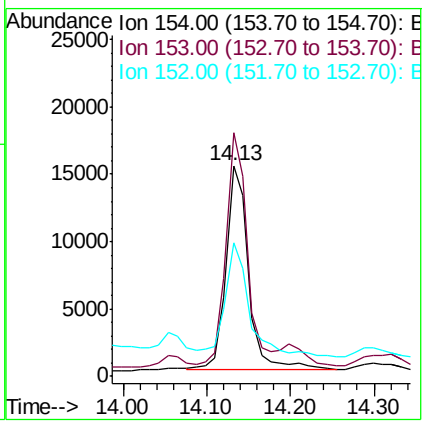


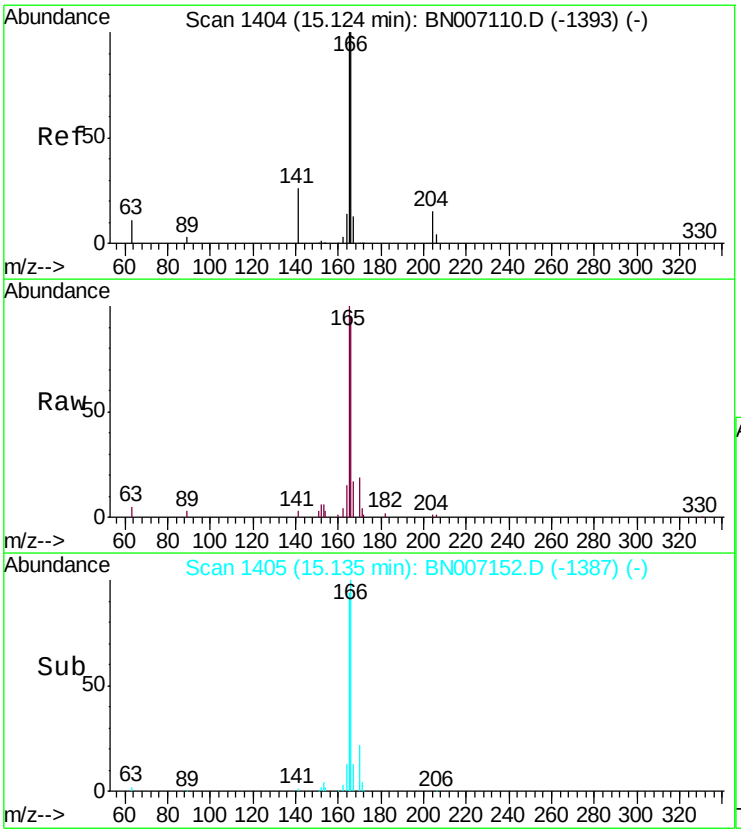
#16
Acenaphthene
Concen: 0.379 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:154 Resp: 27718

Ion	Ratio	Lower	Upper
154	100		
153	106.9	89.5	134.3
152	62.4	44.8	67.2

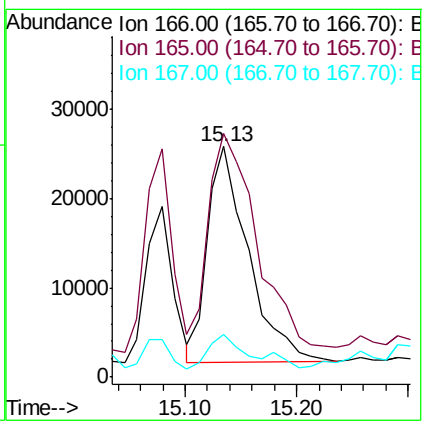


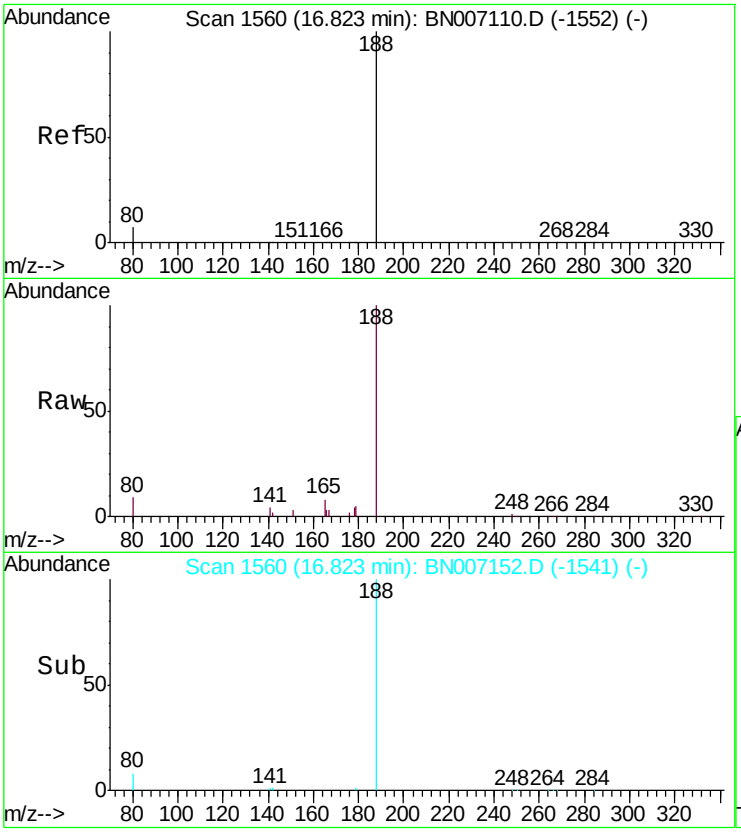


#17
Fluorene
Concen: 0.560 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:166 Resp: 61319

Ion	Ratio	Lower	Upper
166	100		
165	118.9	77.9	116.9#
167	17.0	10.9	16.3#



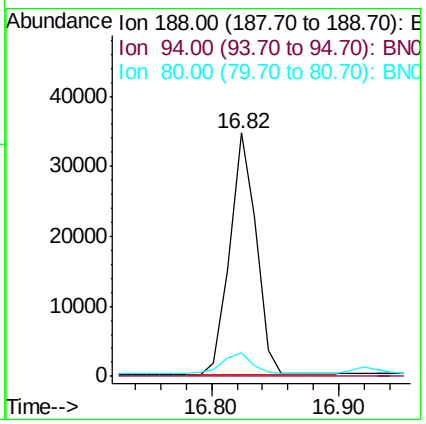


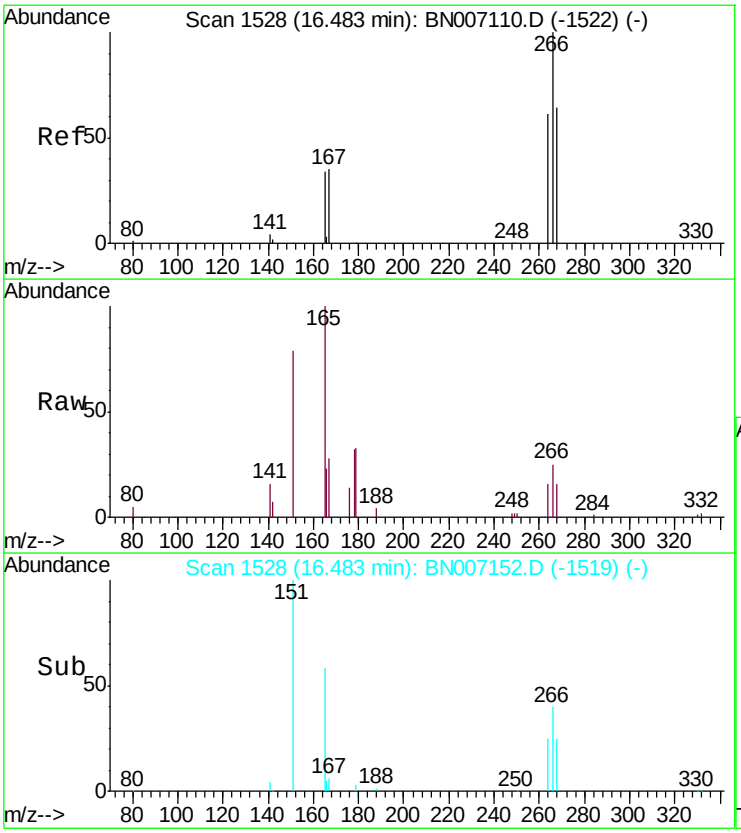
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:188 Resp: 49300

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	7.8	11.6

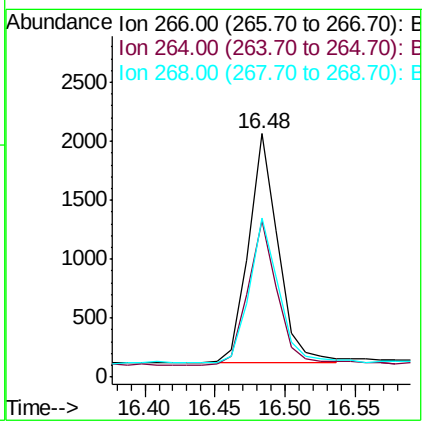


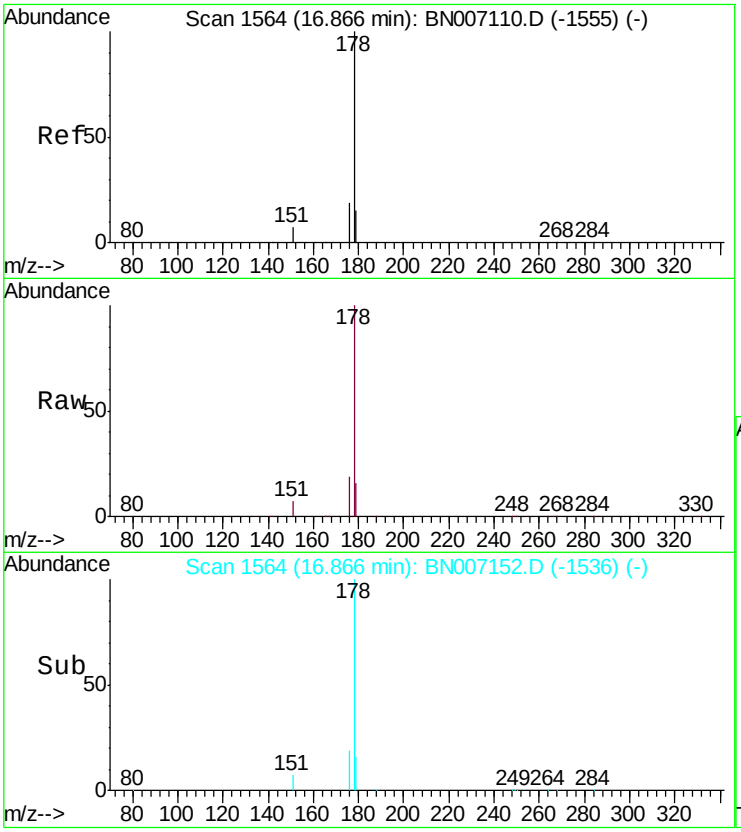


#21
Pentachlorophenol
Concen: 0.262 ng
RT: 16.48 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:266 Resp: 2865

Ion	Ratio	Lower	Upper
266	100		
264	64.3	52.3	78.5
268	65.3	51.5	77.3



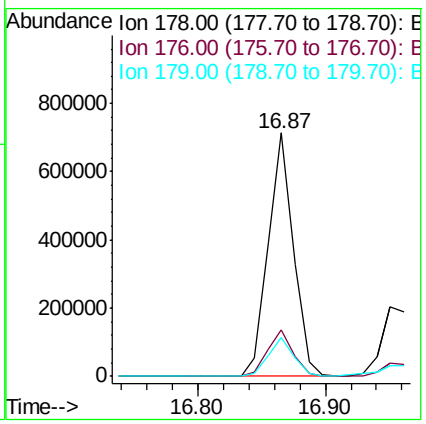


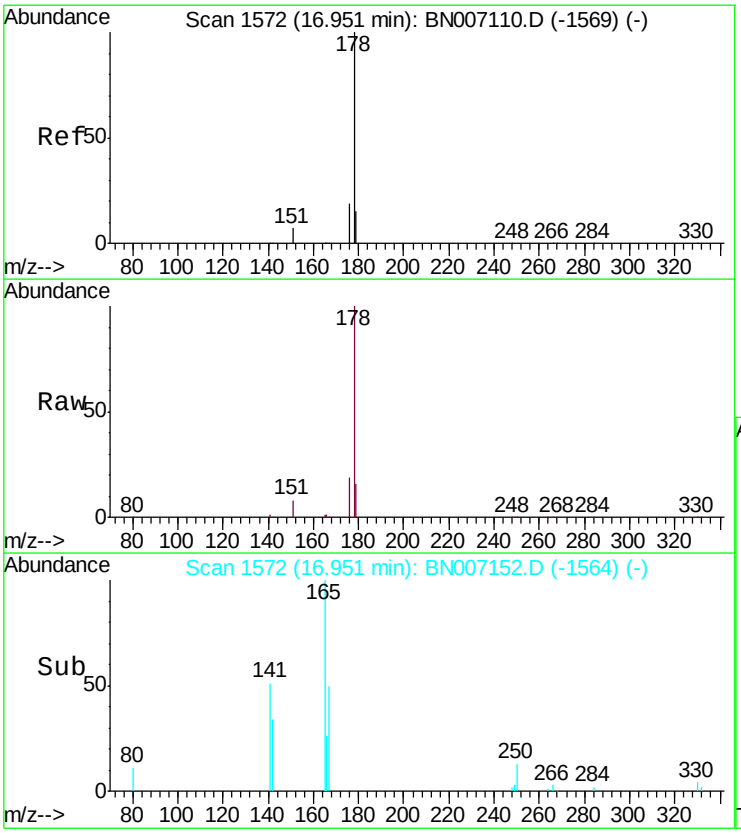
#22
Phenanthrene
Concen: 6.624 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:178 Resp: 978635

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.8	12.3	18.5

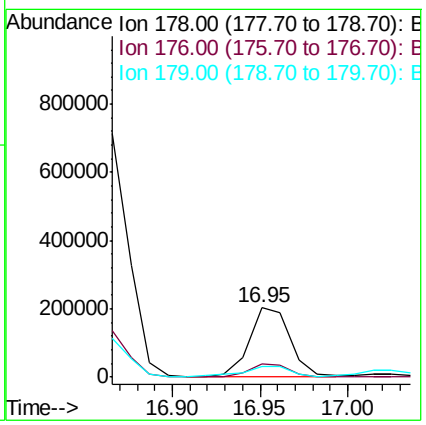


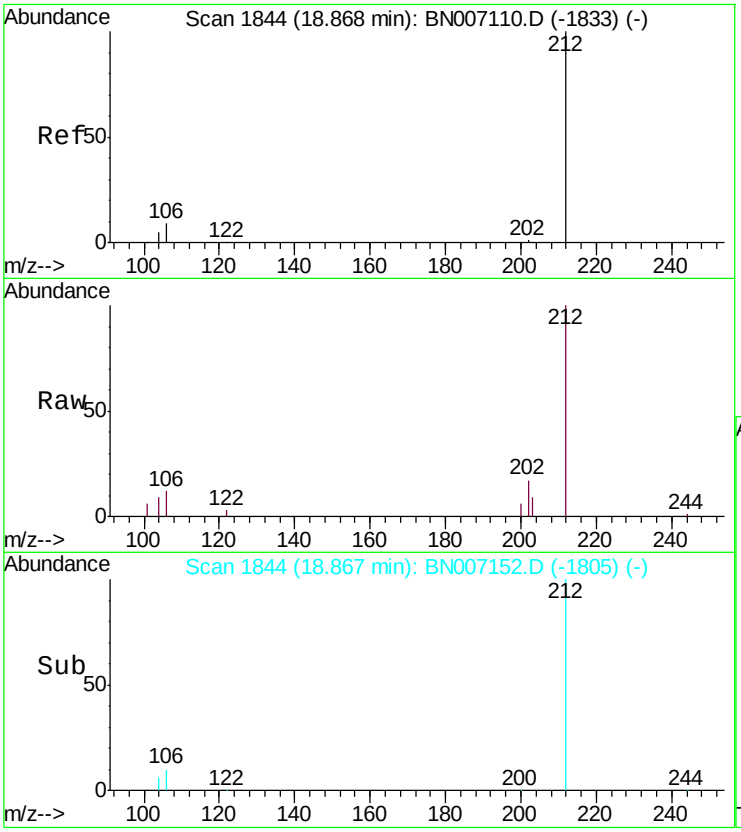


#23
Anthracene
Concen: 2.371 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:178 Resp: 320058

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	17.3	12.5	18.7



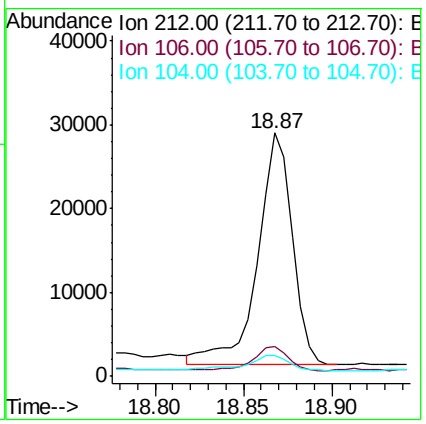


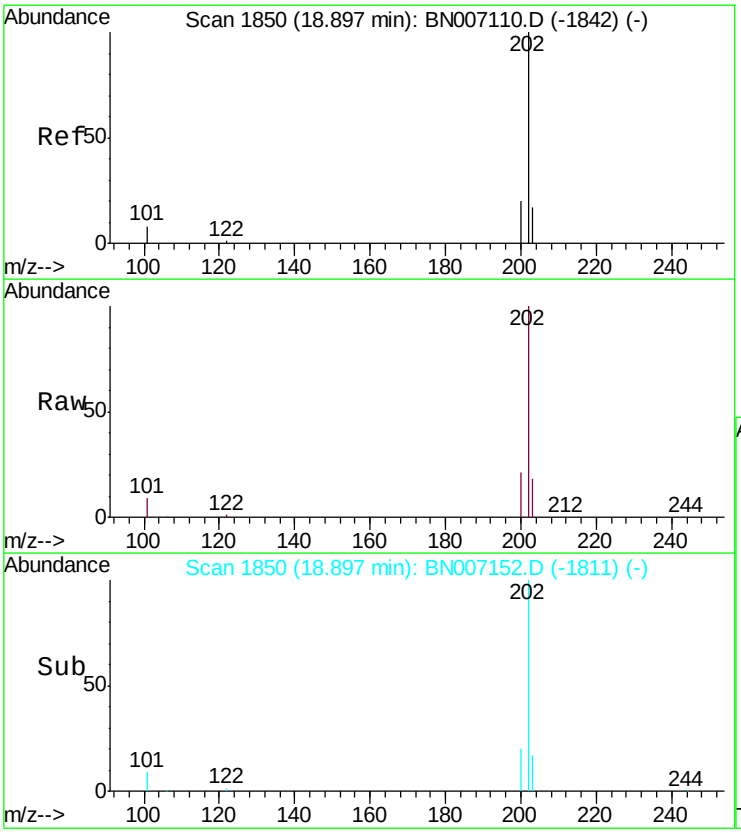
#24
Fluoranthene-d10
Concen: 0.214 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:212 Resp: 37500

Ion	Ratio	Lower	Upper
212	100		
106	10.1	8.2	12.2
104	8.3	4.5	6.7#

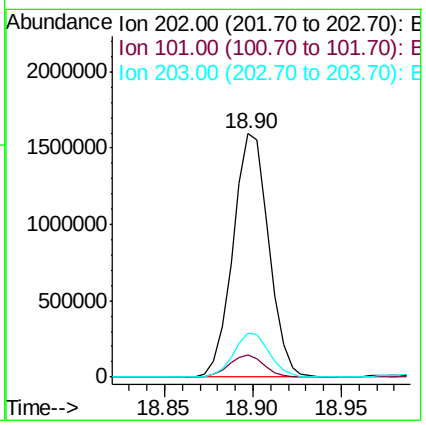


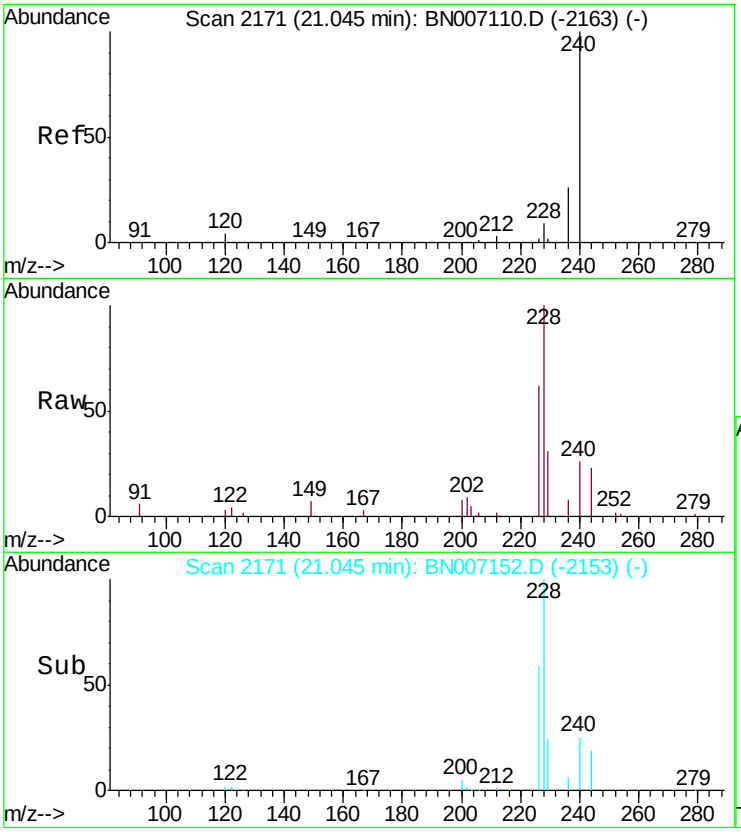


#25
Fluoranthene
Concen: 11.784 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:202 Resp: 2227072

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	17.8	13.8	20.8



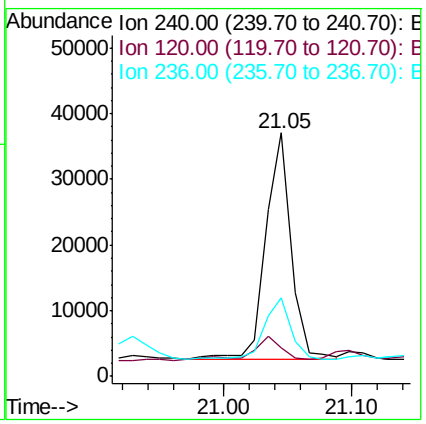


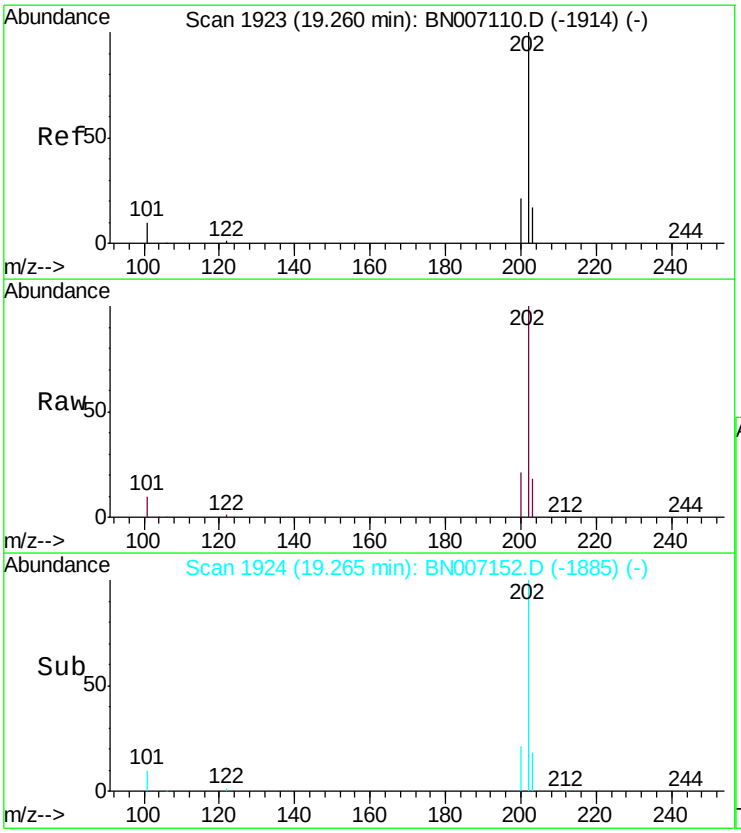
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:240 Resp: 47010

Ion	Ratio	Lower	Upper
240	100		
120	11.9	4.0	6.0#
236	32.2	21.3	31.9#

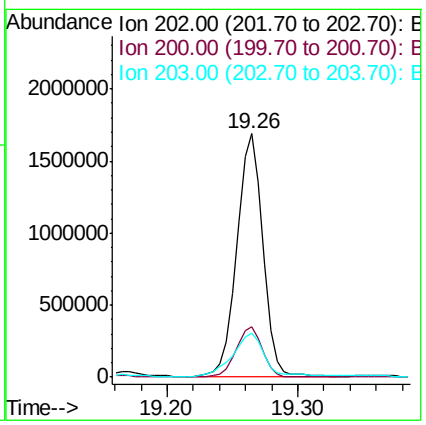


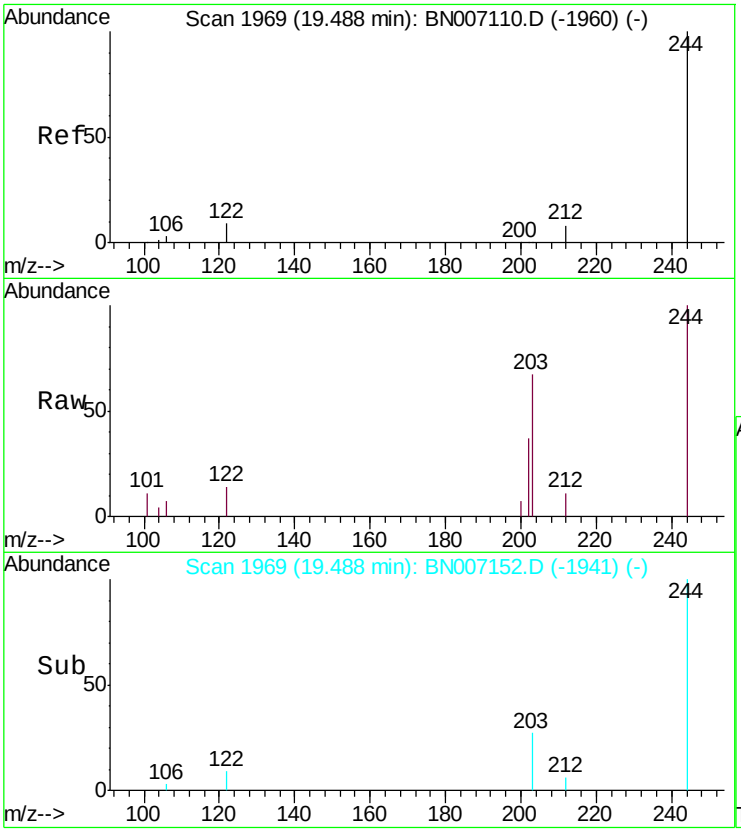


#27
Pyrene
Concen: 14.210 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:202 Resp: 2342710

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	24.8
203	21.8	14.0	21.0#



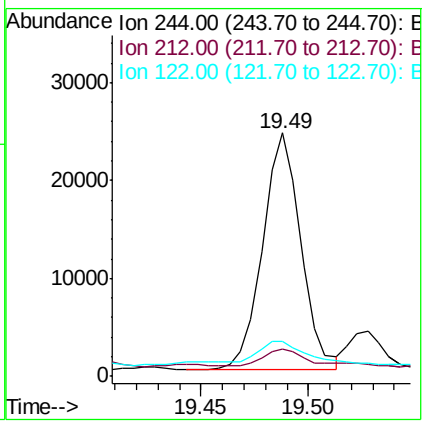


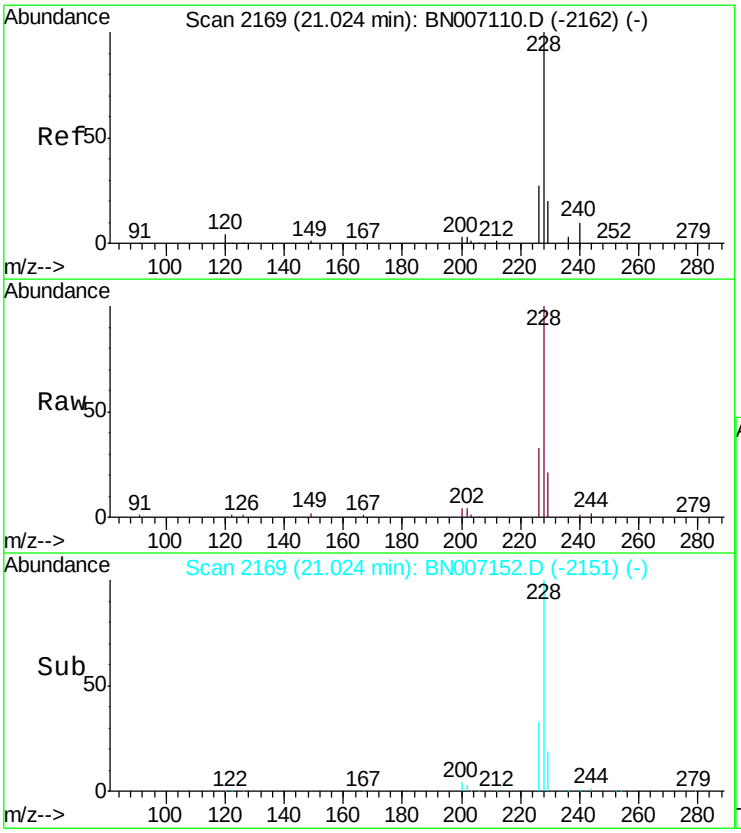
#28
Terphenyl-d14
Concen: 0.235 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:244 Resp: 30157

Ion	Ratio	Lower	Upper
244	100		
212	11.3	6.2	9.2#
122	14.3	7.4	11.2#

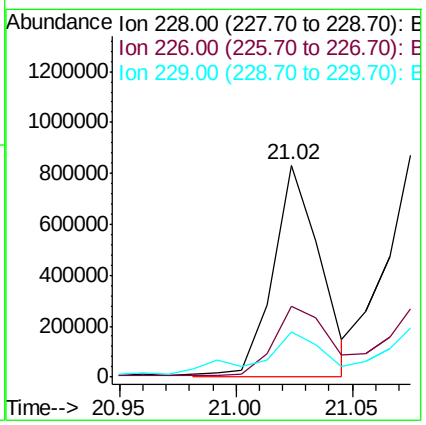


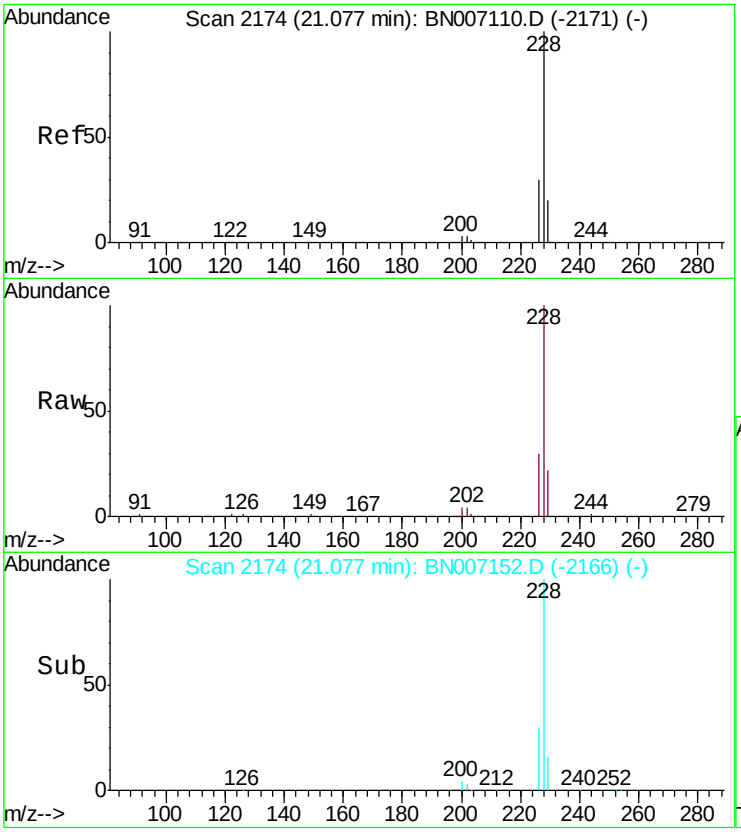


#29
Benzo(a)anthracene
Concen: 6.798 ng m
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:228 Resp: 1168663

Ion	Ratio	Lower	Upper
228	100		
226	33.5	21.8	32.6#
229	21.2	15.6	23.4



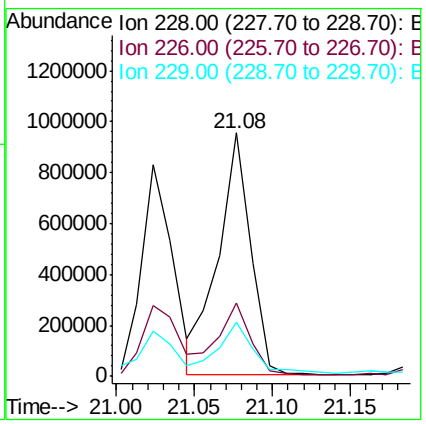


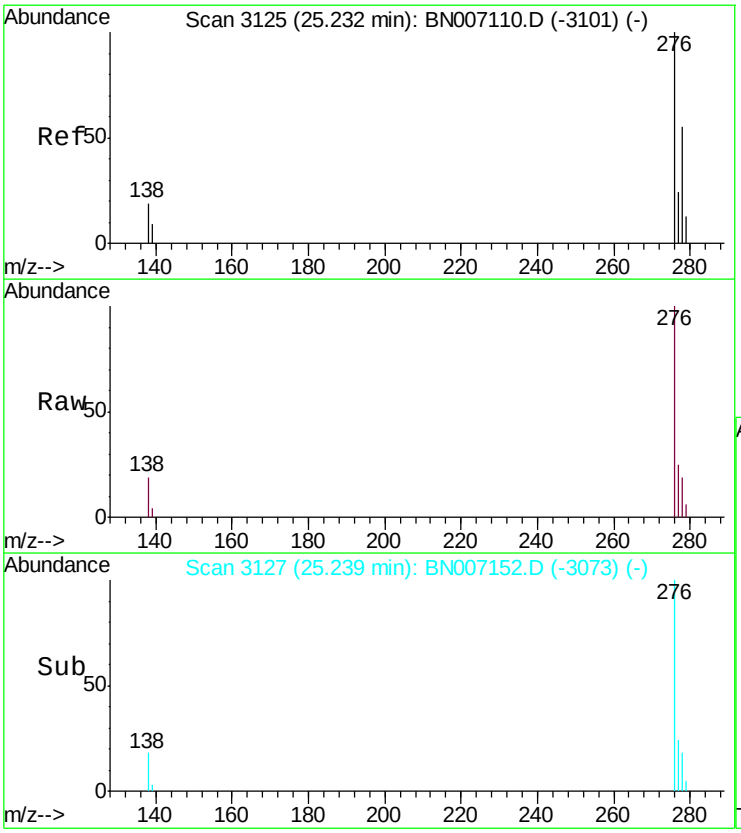
#30
Chrysene
Concen: 8.213 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:228 Resp: 1371846

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.6
229	22.2	15.7	23.5

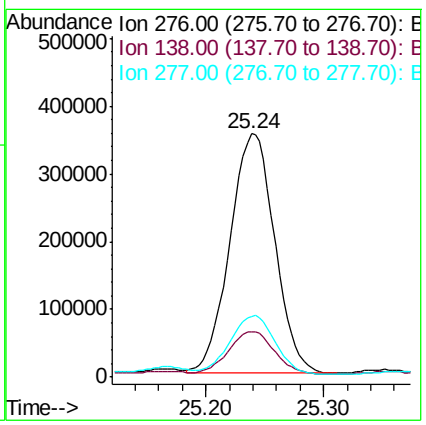


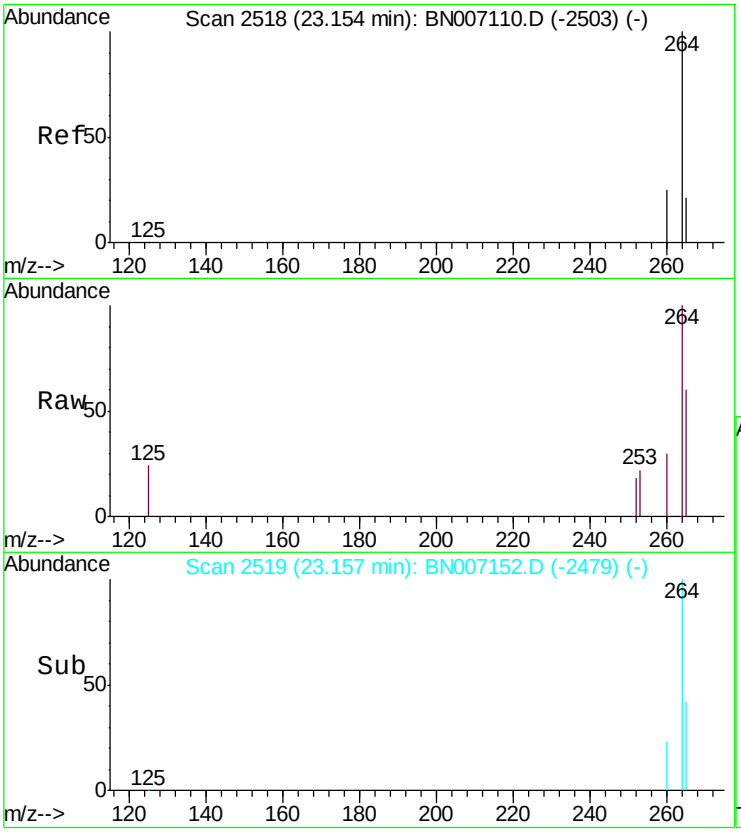


#31
Indeno(1,2,3-cd)pyrene
Concen: 5.089 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:276 Resp: 936826

Ion	Ratio	Lower	Upper
276	100		
138	18.2	16.0	24.0
277	24.9	19.9	29.9



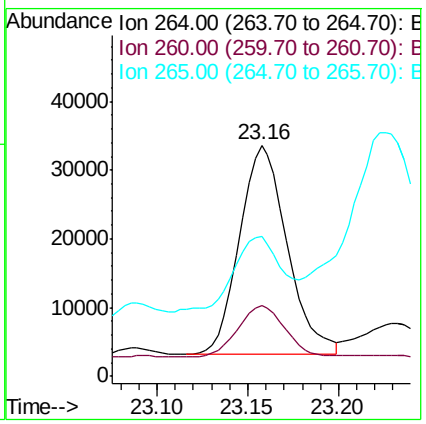


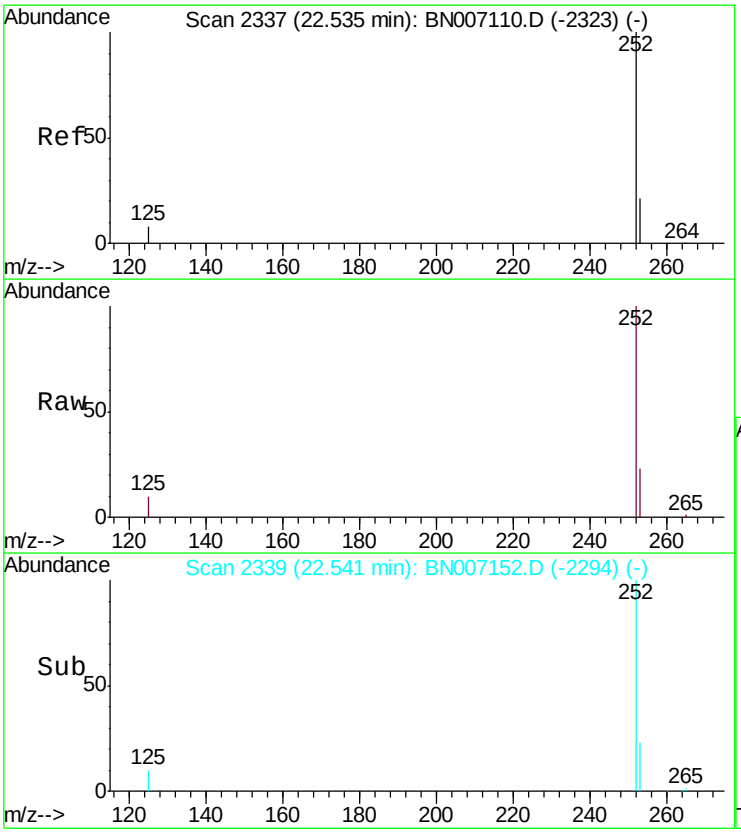
#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:264 Resp: 55784

Ion	Ratio	Lower	Upper
264	100		
260	30.5	19.8	29.8#
265	60.3	26.2	39.4#

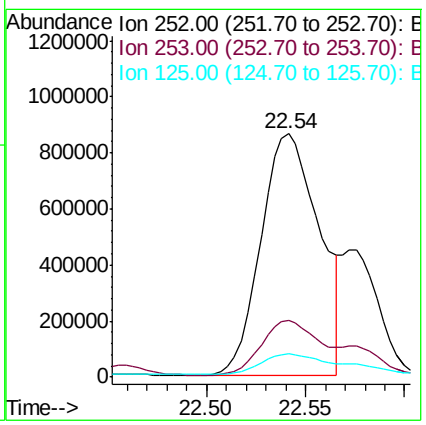


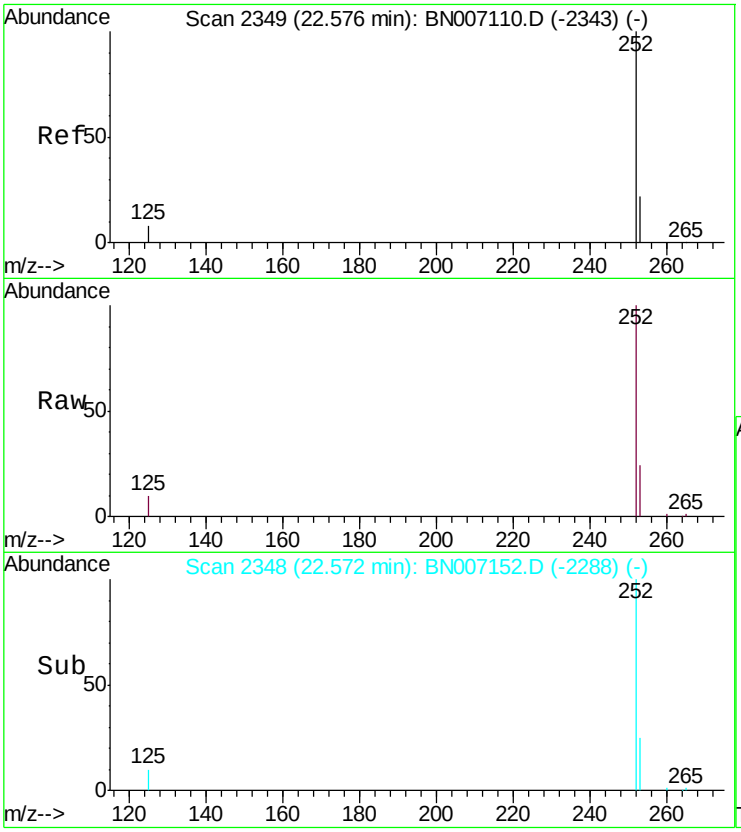


#33
Benzo(b)fluoranthene
Concen: 9.221 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:252 Resp: 1763890

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	9.5	7.4	11.0



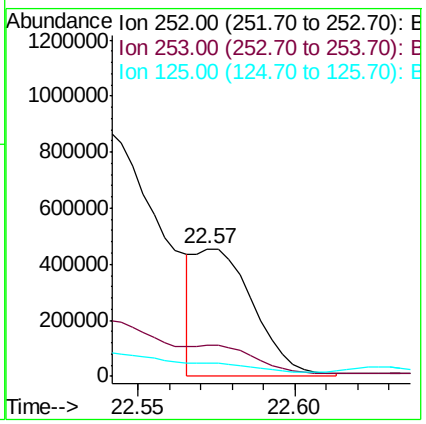


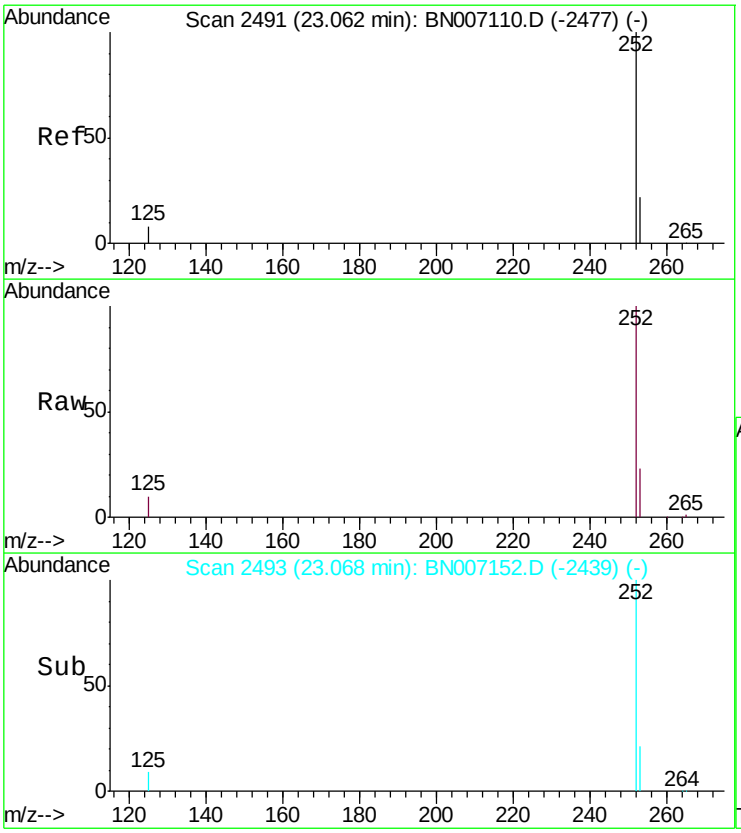
#34
Benzo(k)fluoranthene
Concen: 3.171 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:252 Resp: 599140

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	10.2	7.4	11.0

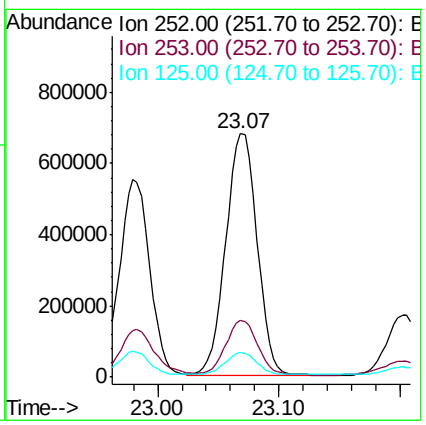


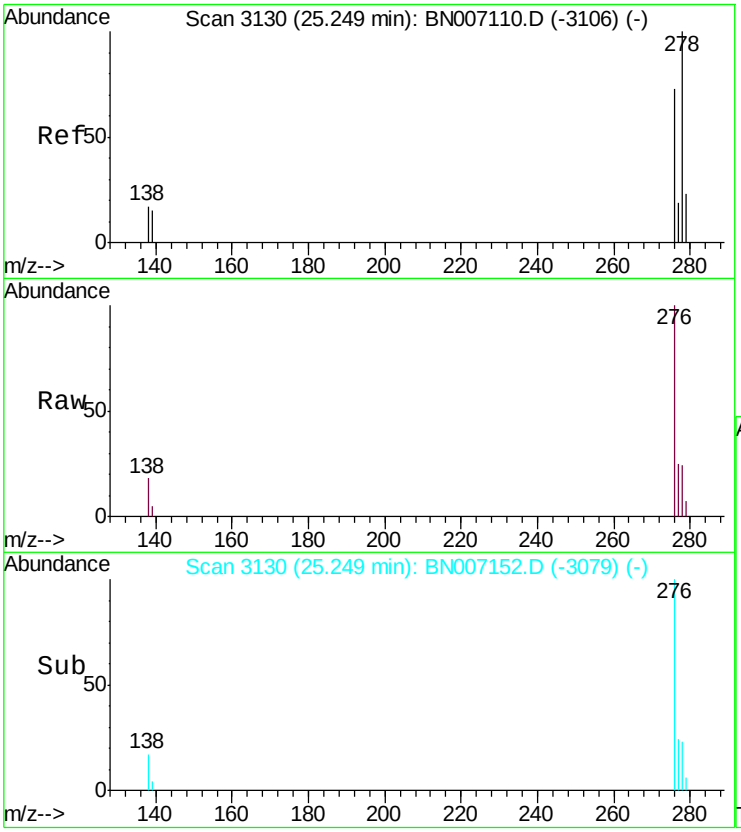


#35
Benzo(a)pyrene
Concen: 7.016 ng
RT: 23.07 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:252 Resp: 1216667

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	10.0	8.2	12.4



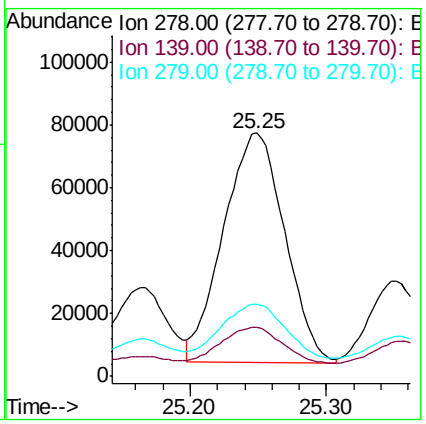


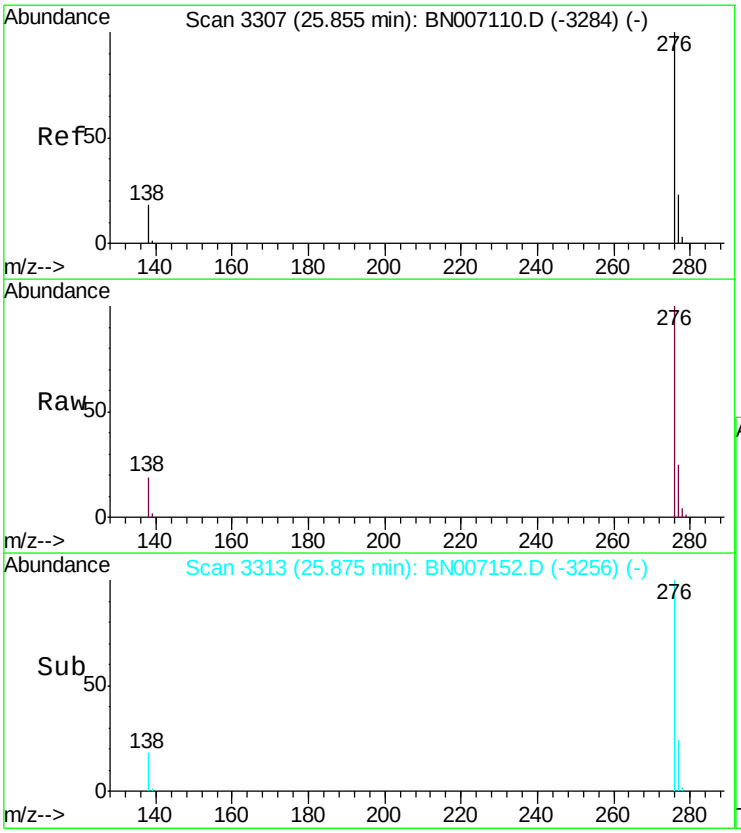
#36
Dibenzo(a,h)anthracene
Concen: 1.317 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW177-073119

Tgt Ion:278 Resp: 227913

Ion	Ratio	Lower	Upper
278	100		
139	20.3	11.3	16.9#
279	29.6	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 5.560 ng
RT: 25.88 min Scan# 3313
Delta R.T. -0.00 min
Lab File: BN007152.D
Acq: 14 Aug 2019 04:32

Tgt Ion:276 Resp: 989539

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.8	29.8
138	18.6	14.6	22.0