Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007159.D
Acq On : 14 Aug 2019 08:45
Operator : HP/JU
Sample : K4173-02 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : EXT-035-SW105-073119

Quant Time: Aug 14 09:34:57 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	9371	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	36552	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	20884	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	47250	0.40	ng		0.00
26) Chrysene-d12	21.05	240	44667	0.40	ng		-0.01
32) Perylene-d12	23.16	264	49911	0.40	ng		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	4442	0.20	ng		0.00
4) Phenol-d6	6.62	99	5988	0.21	ng		0.00
7) Nitrobenzene-d5	8.56	82	4795	0.16	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	10958	0.16	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	1932	0.17	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	2933	0.10	ng		0.00
24) Fluoranthene-d10	18.87	212	27414	0.16	ng		0.00
28) Terphenyl-d14	19.49	244	21290	0.17	ng		0.00
Target Compounds							Qvalue
8) Naphthalene	10.24	128	8173	0.080	ng	#	93
11) 2-Methylnaphthalene	11.87	142	7386	0.102	ng	#	93
15) Acenaphthylene	13.79	152	124497	1.141	ng		98
16) Acenaphthene	14.13	154	6793	0.097	ng		97
17) Fluorene	15.13	166	20852	0.199	ng	#	72
21) Pentachlorophenol	16.48	266	268	0.026	ng	#	84
22) Phenanthrene	16.87	178	165900	1.172	ng		99
23) Anthracene	16.95	178	71323	0.551	ng		97
25) Fluoranthene	18.90	202	514014	2.838	ng		99
27) Pyrene	19.26	202	524703	3.350	ng		96
29) Benzo(a)anthracene	21.03	228	288430m	1.766	ng		
30) Chrysene	21.08	228	313770	1.977	ng		94
31) Indeno(1,2,3-cd)pyrene	25.25	276	240543	1.375	ng		98
33) Benzo(b)fluoranthene	22.54	252	449332	2.625	ng		97
34) Benzo(k)fluoranthene	22.58	252	136900m	0.810	ng		
35) Benzo(a)pyrene	23.07	252	293495	1.892	ng		98
36) Dibenzo(a,h)anthracene	25.25	278	59266	0.383	ng	#	74
37) Benzo(g,h,i)perylene	25.88	276	261454	1.642	ng		98

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

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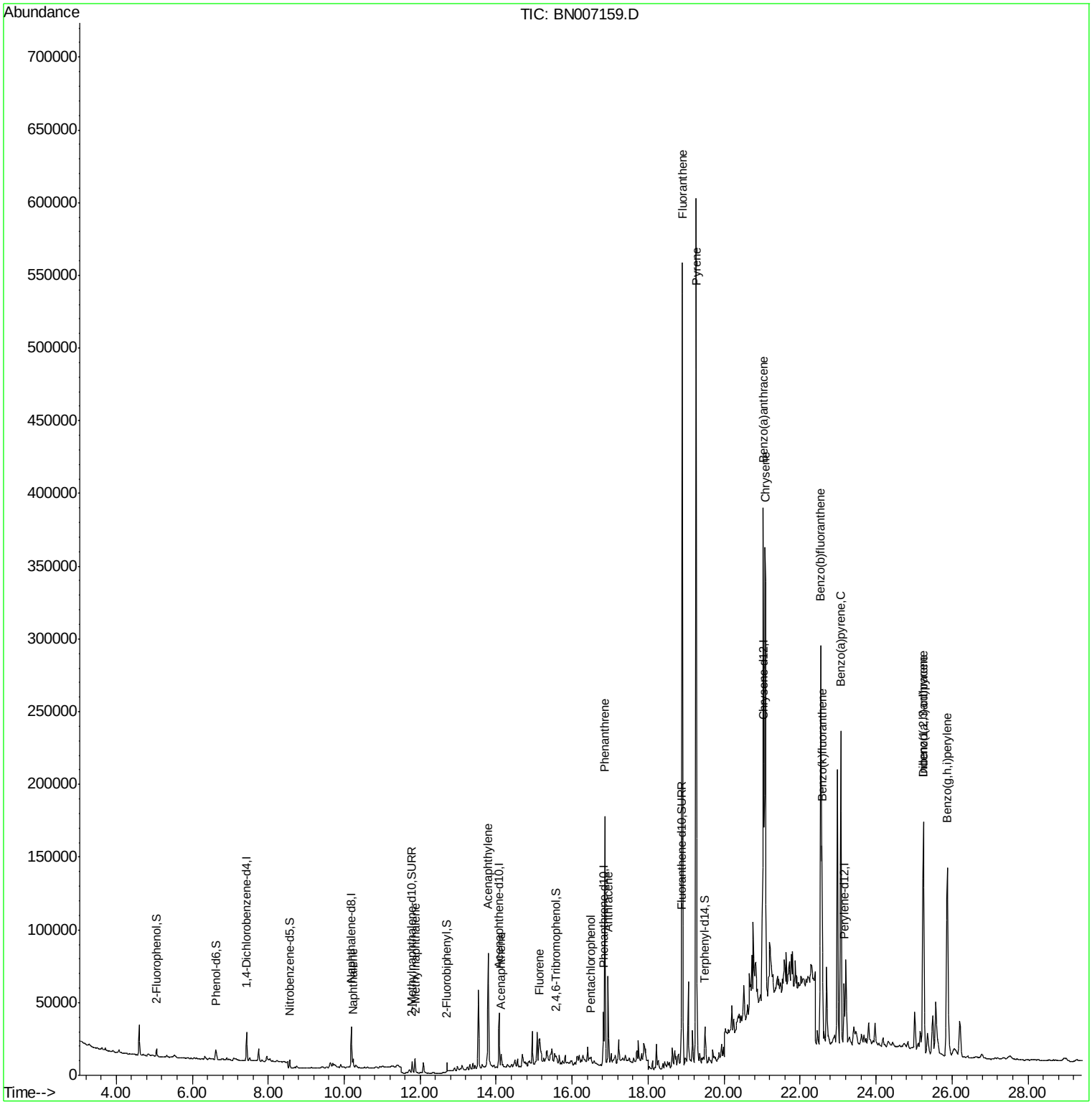
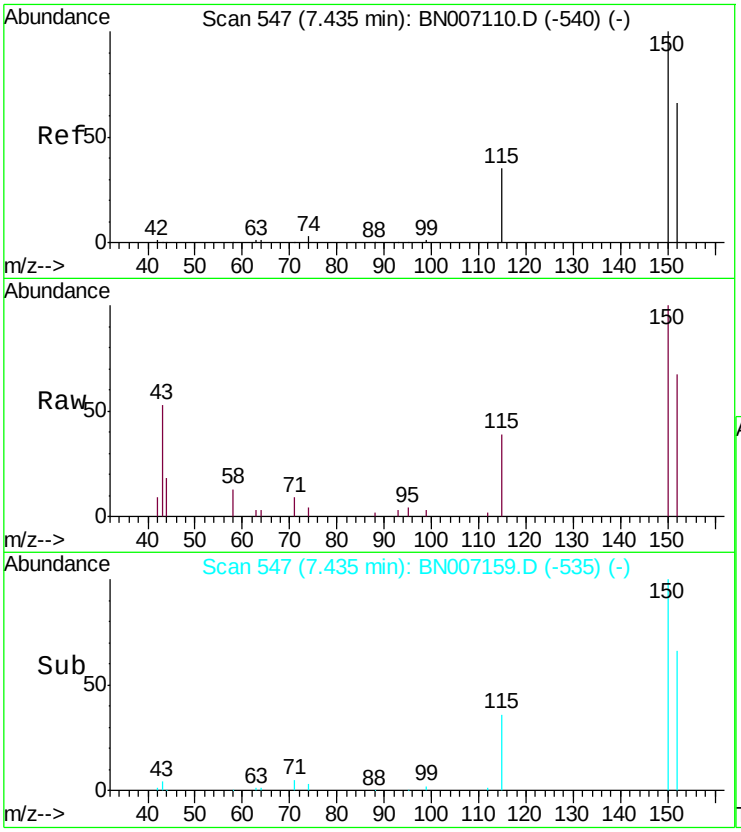


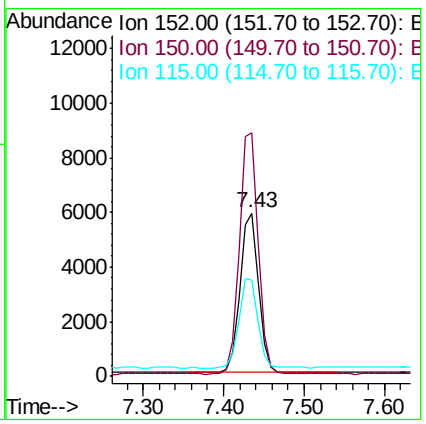


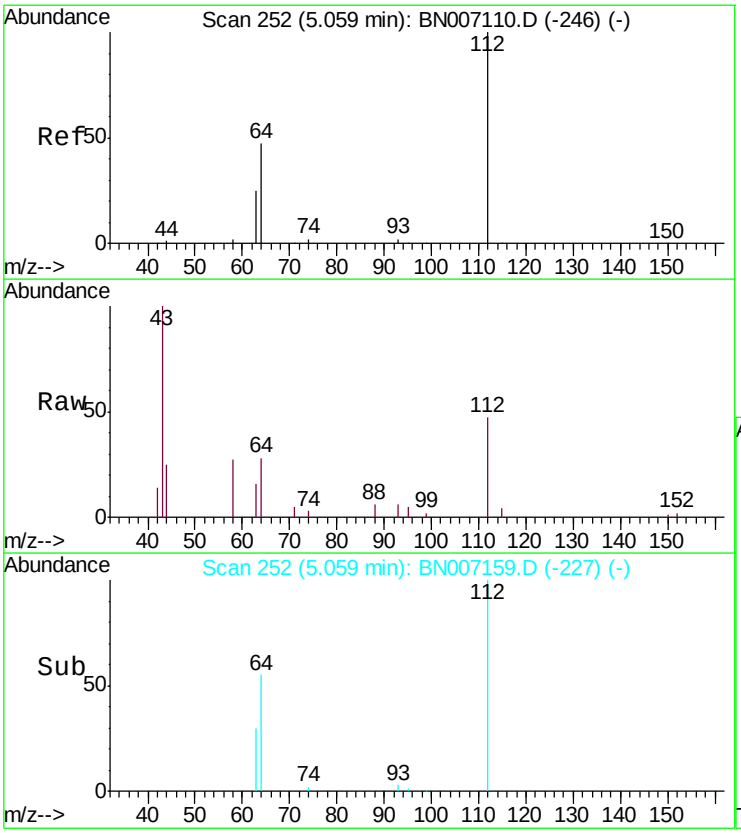
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:152 Resp: 9371

Ion	Ratio	Lower	Upper
152	100		
150	148.9	121.7	182.5
115	58.8	46.2	69.4

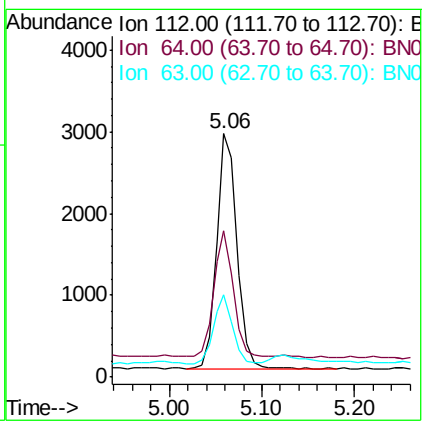


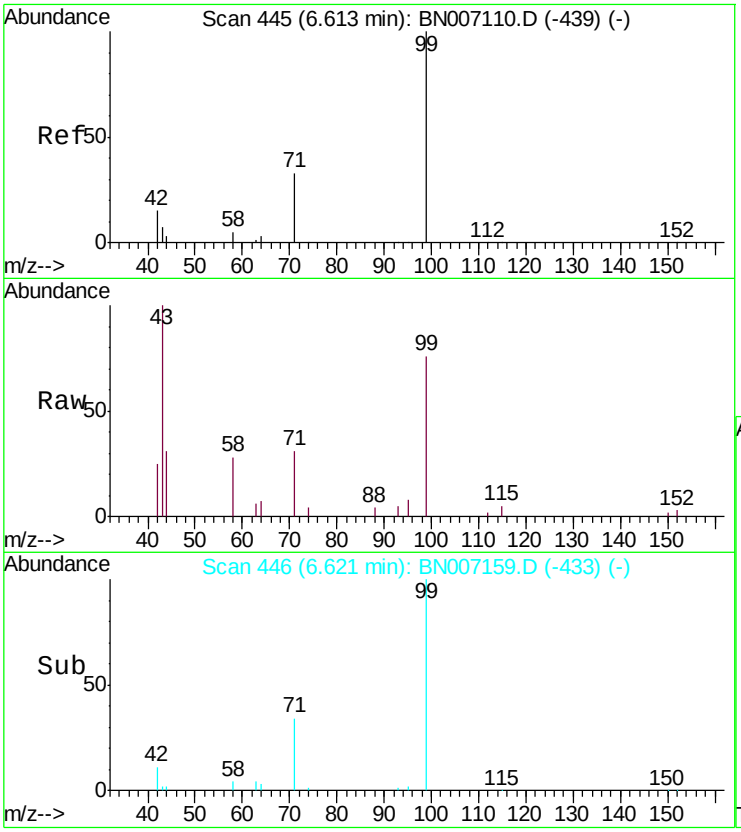


#3
2-Fluorophenol
Concen: 0.197 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:112 Resp: 4442

Ion	Ratio	Lower	Upper
112	100		
64	50.9	42.6	63.8
63	26.8	22.2	33.2



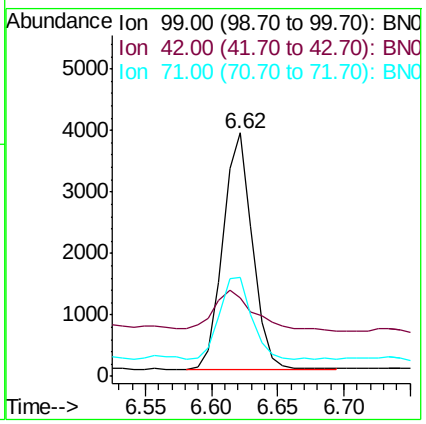


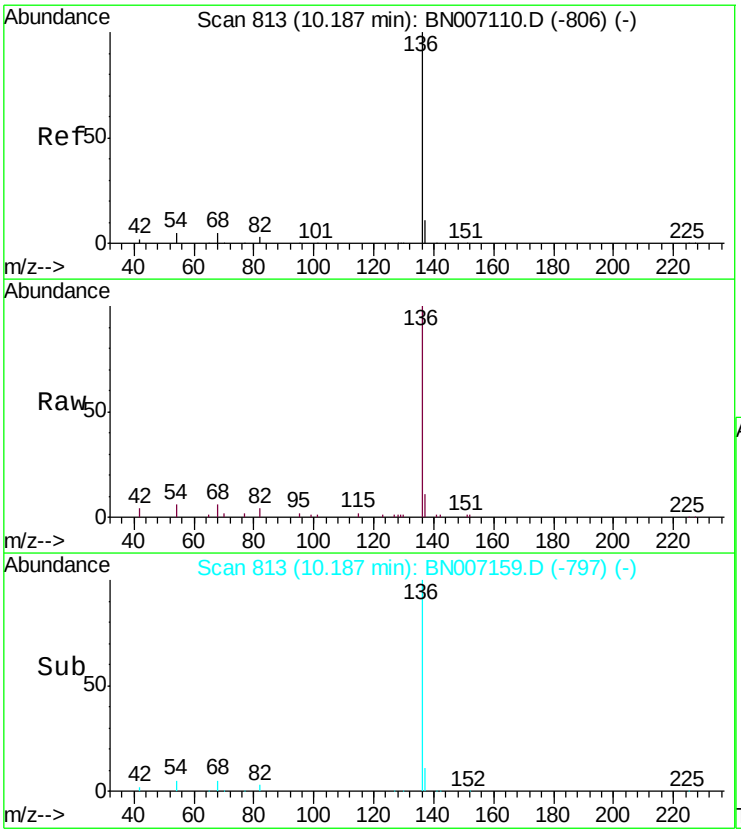
#4
Phenol-d6
Concen: 0.215 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion: 99 Resp: 5988

Ion	Ratio	Lower	Upper
99	100		
42	24.9	15.8	23.6#
71	37.5	27.0	40.4

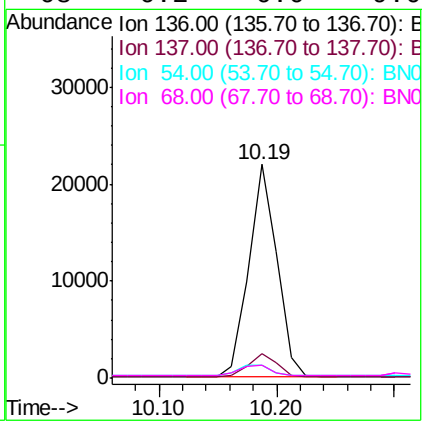


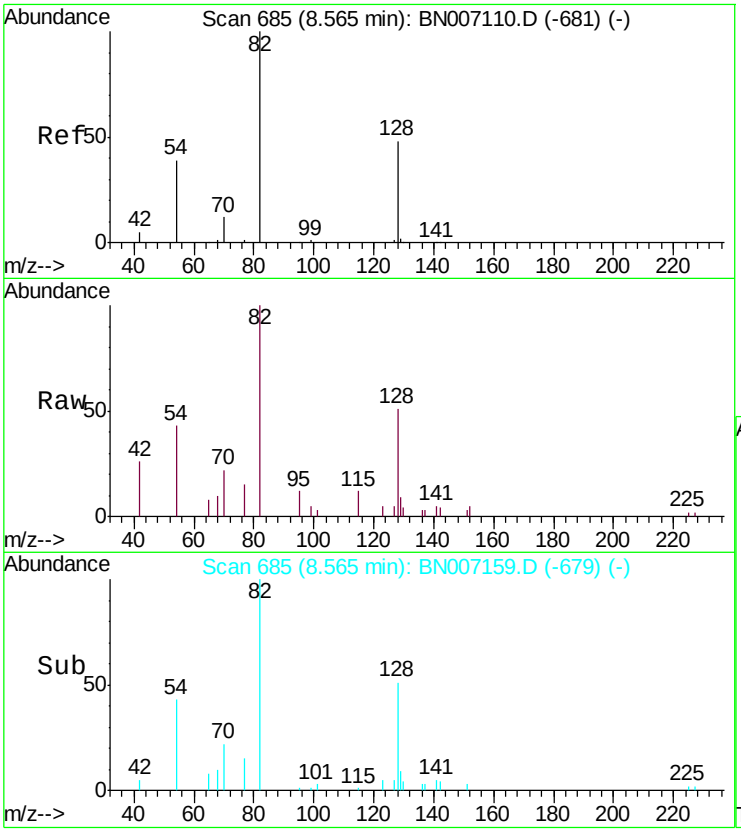


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:136 Resp: 36552

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	6.2	6.6	9.8#
68	6.2	6.0	9.0



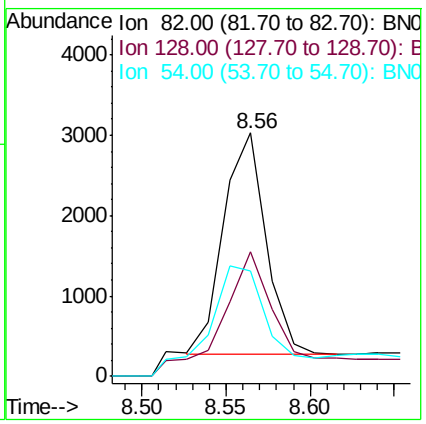


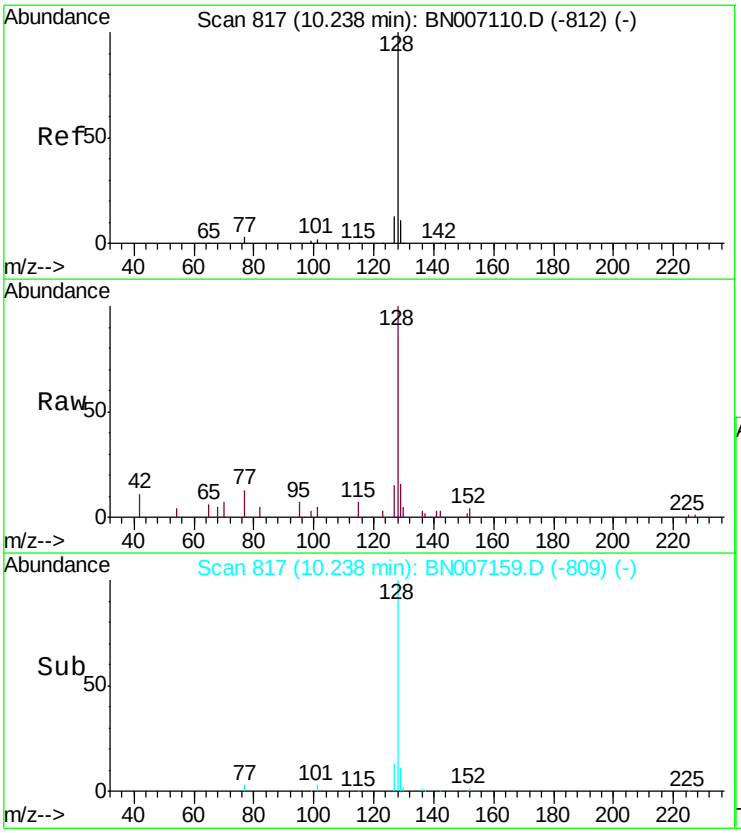
#7
Nitrobenzene-d5
Concen: 0.163 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion: 82 Resp: 4795

Ion	Ratio	Lower	Upper
82	100		
128	51.2	34.6	51.8
54	43.2	36.2	54.4

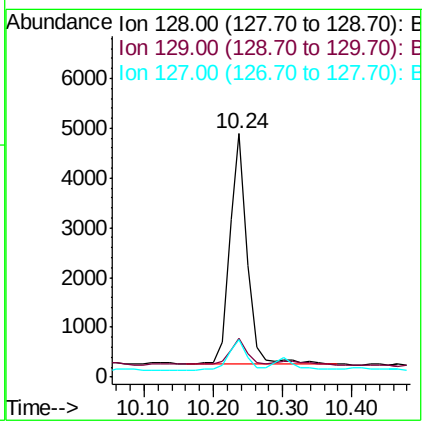


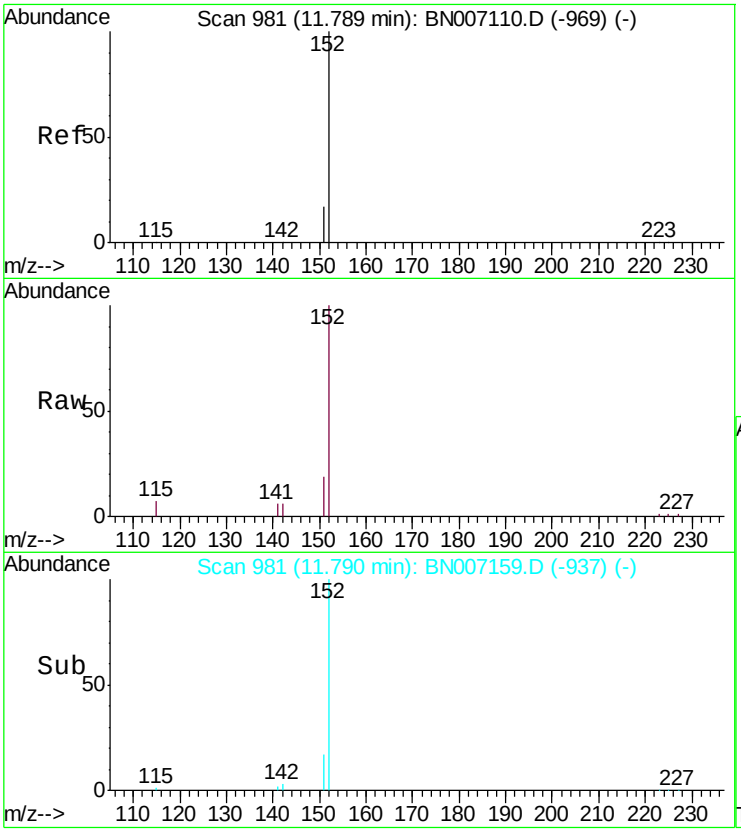


#8
Naphthalene
Concen: 0.080 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:128 Resp: 8173

Ion	Ratio	Lower	Upper
128	100		
129	15.7	9.4	14.2#
127	15.3	11.0	16.6



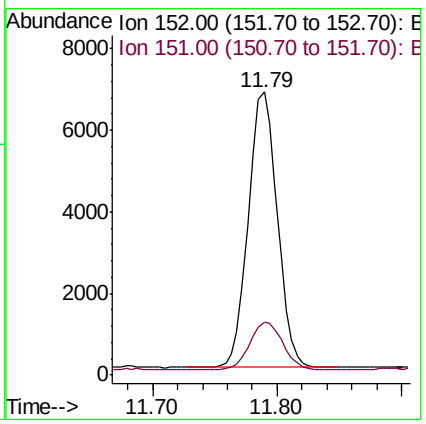


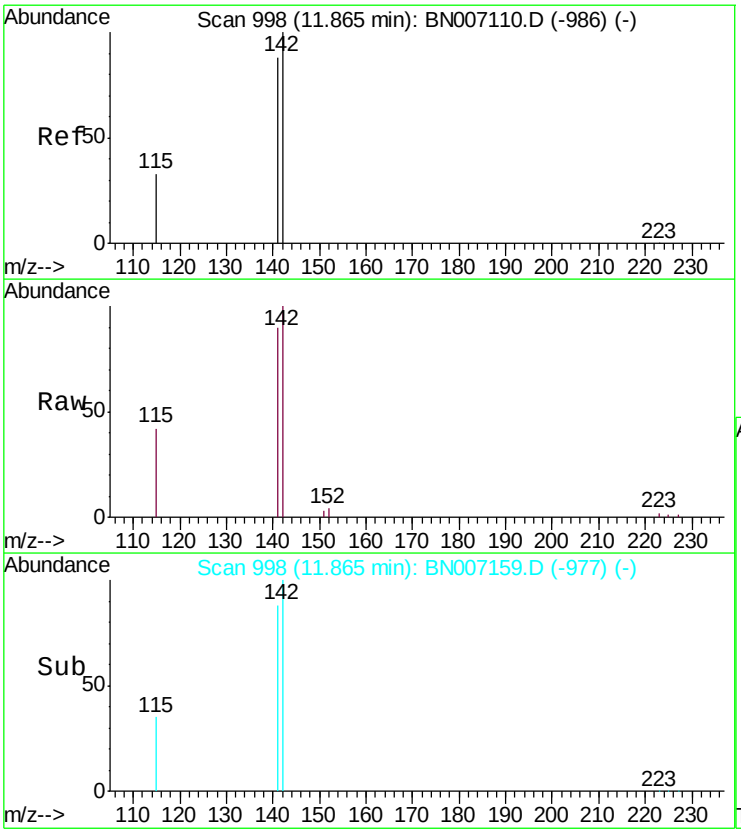
#10
2-Methylnaphthalene-d10
Concen: 0.161 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:152 Resp: 10958

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3

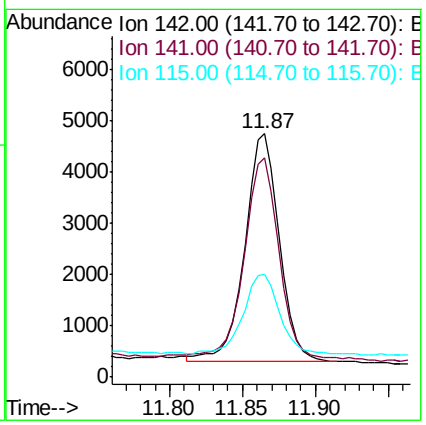


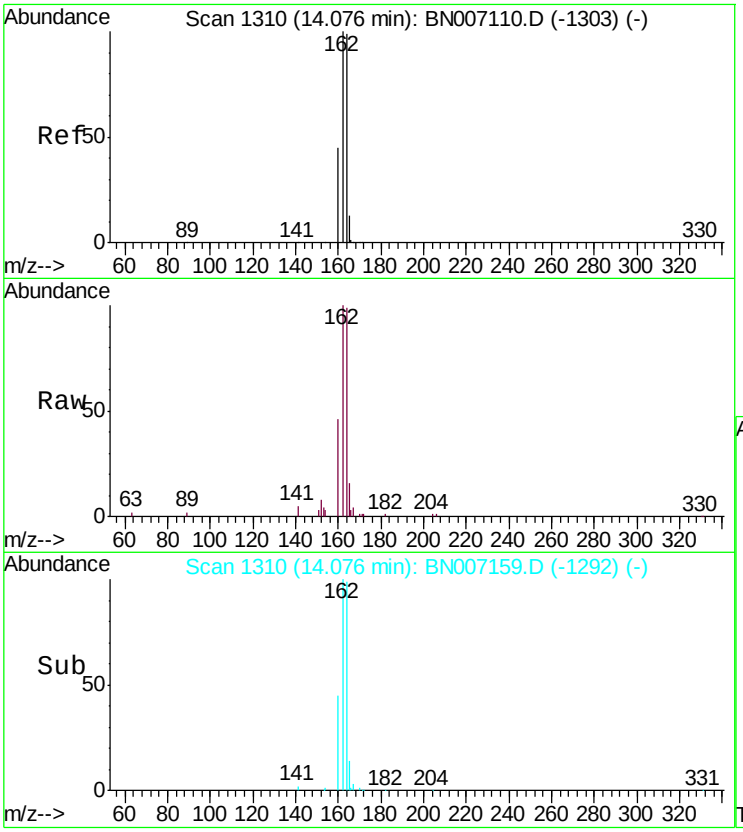


#11
2-Methylnaphthalene
Concen: 0.102 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:142 Resp: 7386

Ion	Ratio	Lower	Upper
142	100		
141	90.2	69.0	103.6
115	42.4	27.1	40.7#



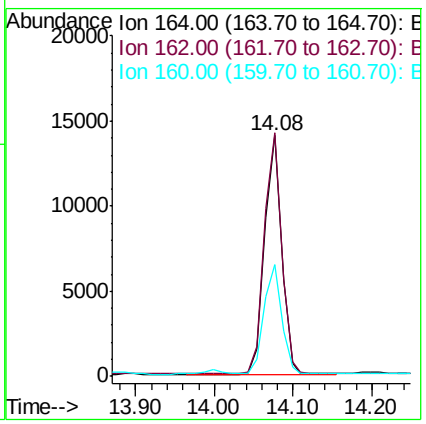


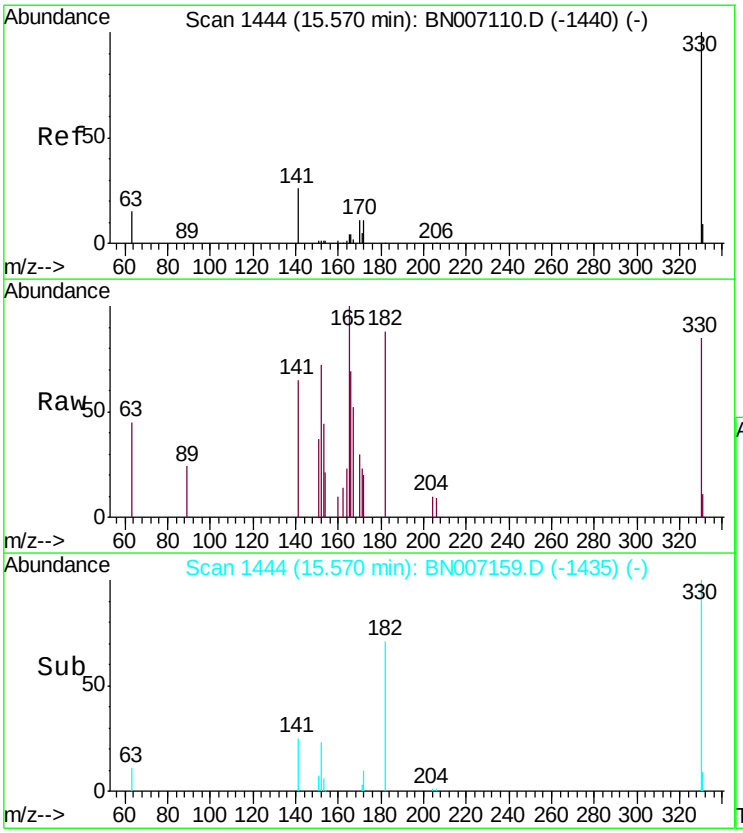
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:164 Resp: 20884

Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.2	123.4
160	46.4	38.3	57.5

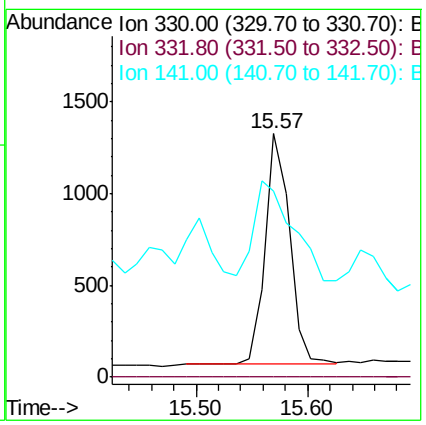


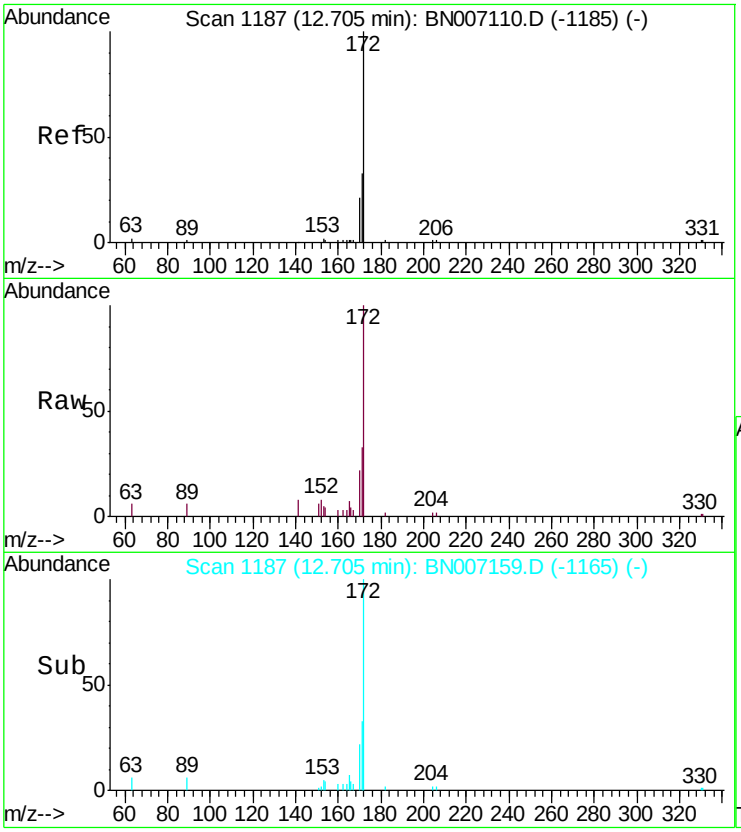


#13
2,4,6-Tribromophenol
Concen: 0.172 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:330 Resp: 1932

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	67.8	33.6	50.4#



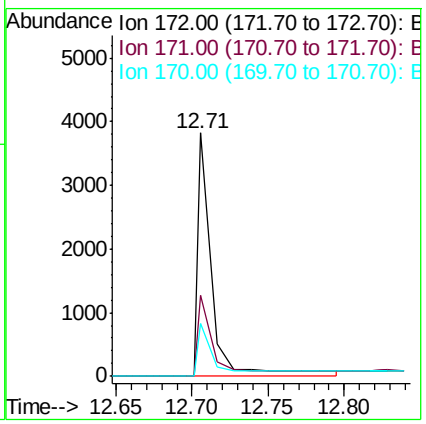


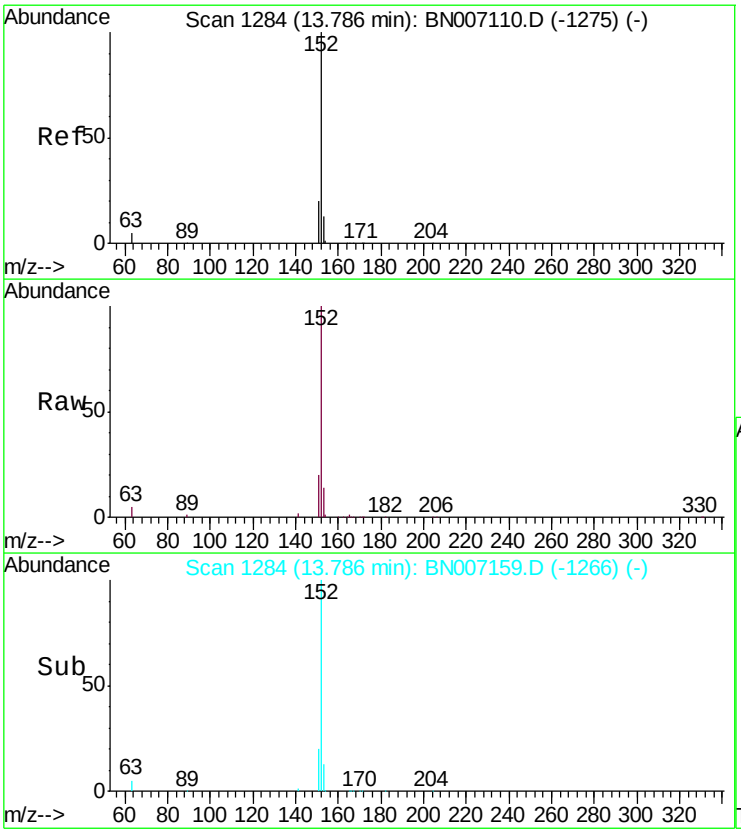
#14
2-Fluorobiphenyl
Concen: 0.097 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:172 Resp: 2933

Ion	Ratio	Lower	Upper
172	100		
171	33.1	26.3	39.5
170	21.7	17.0	25.4

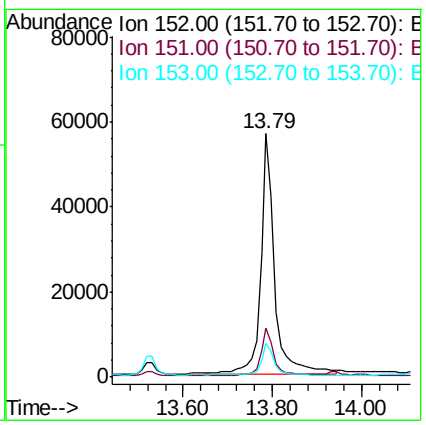


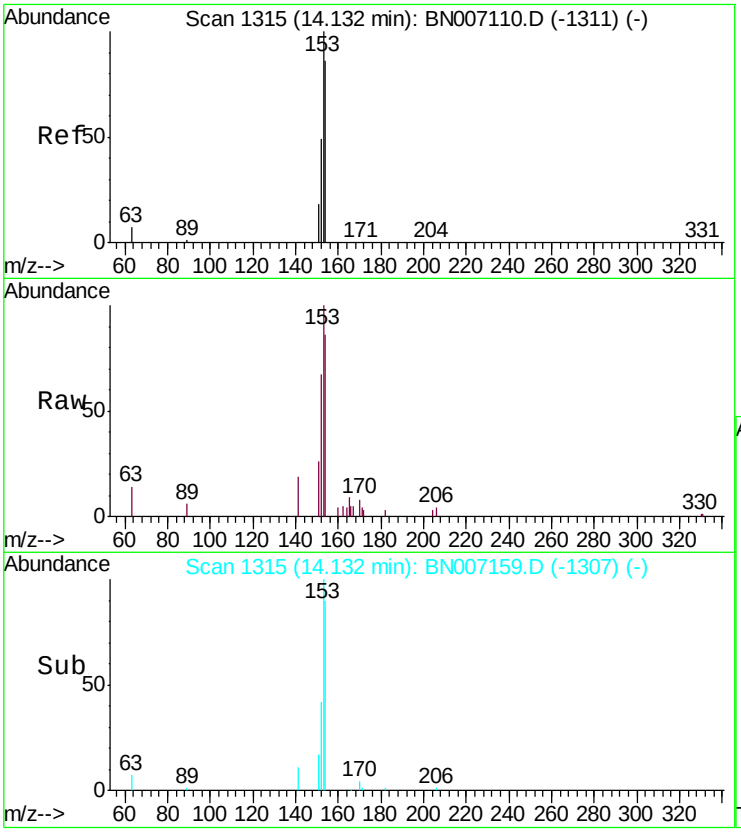


#15
Acenaphthylene
Concen: 1.141 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:152 Resp: 124497

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.8	23.6
153	11.9	10.4	15.6



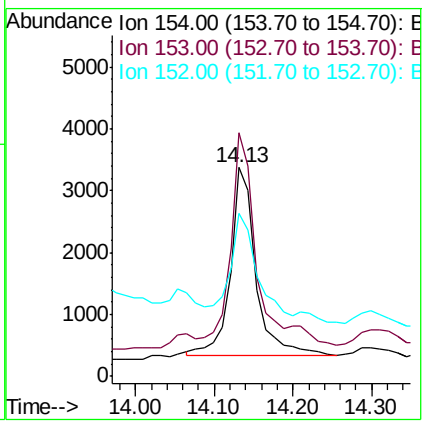


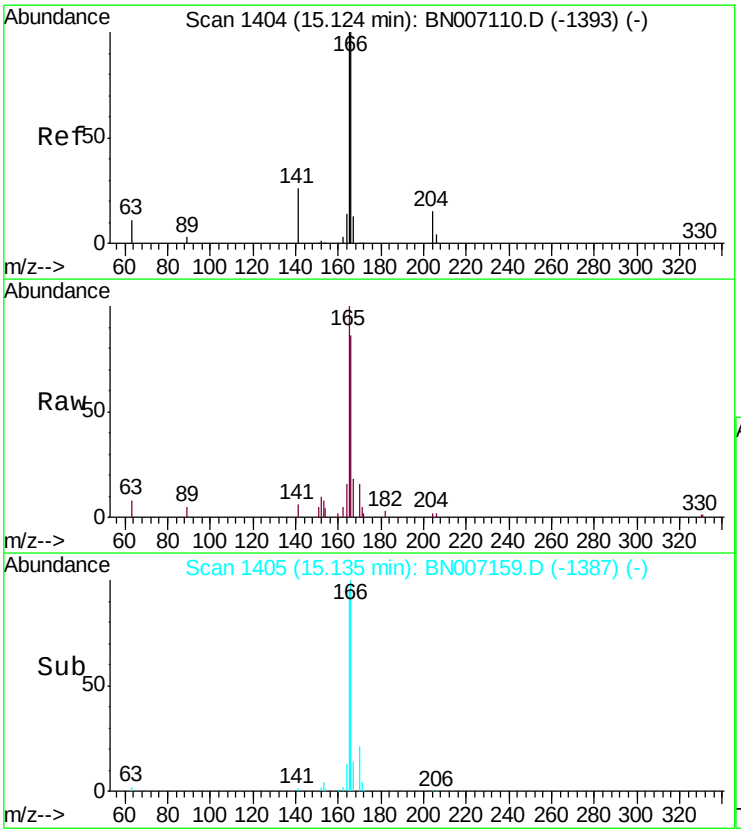
#16
Acenaphthene
Concen: 0.097 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:154 Resp: 6793

Ion	Ratio	Lower	Upper
154	100		
153	116.2	89.5	134.3
152	55.5	44.8	67.2

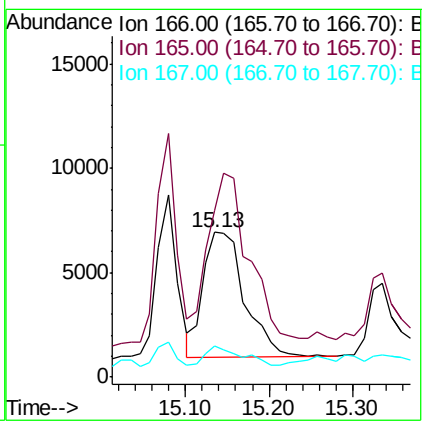


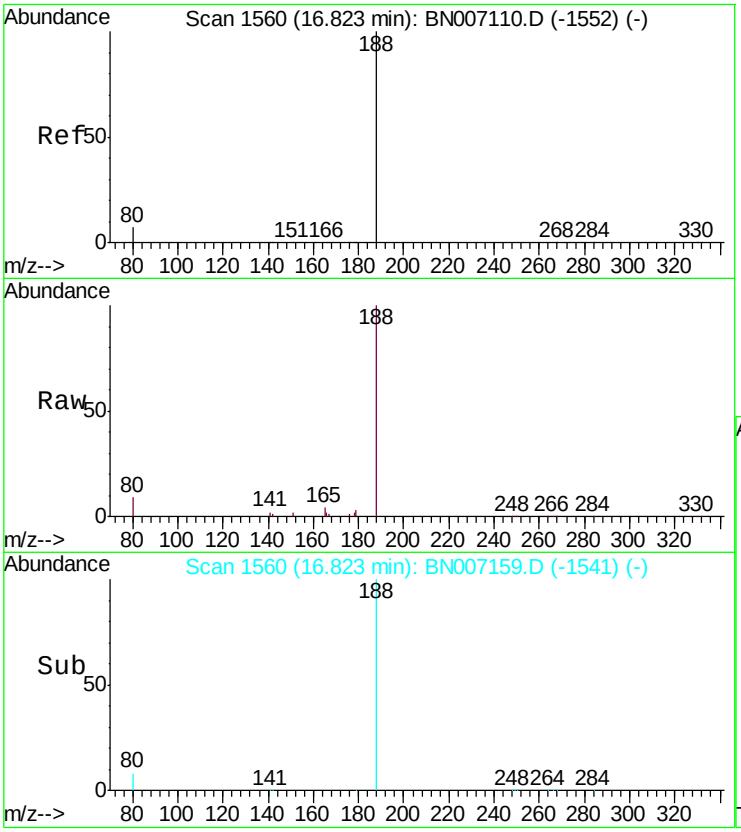


#17
Fluorene
Concen: 0.199 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:166 Resp: 20852

Ion	Ratio	Lower	Upper
166	100		
165	129.3	77.9	116.9#
167	13.7	10.9	16.3



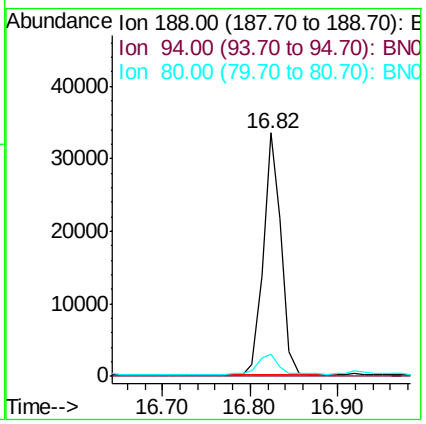


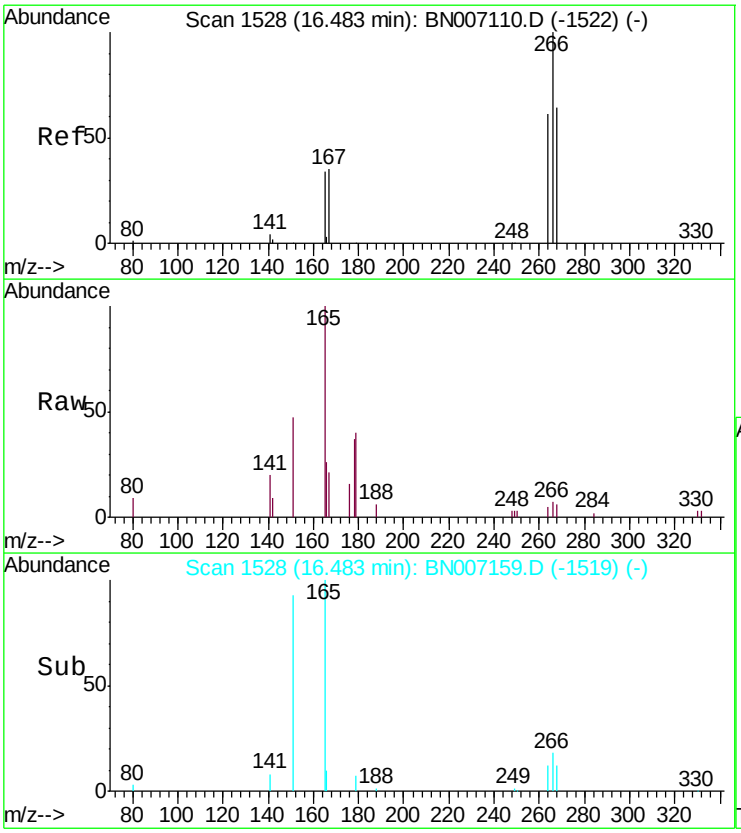
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:188 Resp: 47250

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	7.8	11.6

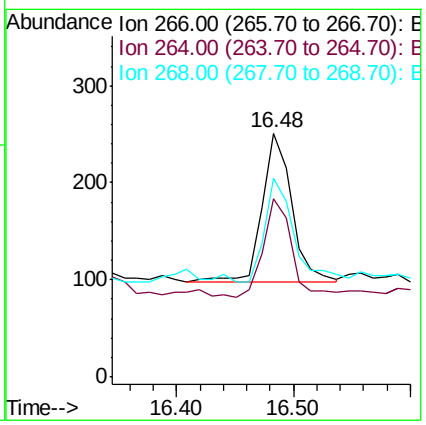


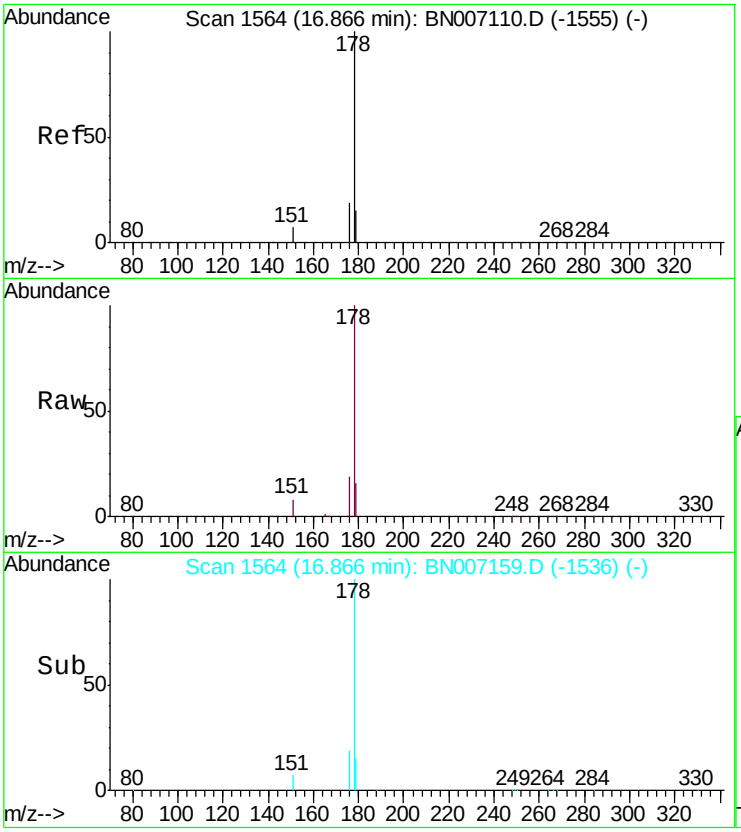


#21
Pentachlorophenol
Concen: 0.026 ng
RT: 16.48 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:266 Resp: 268

Ion	Ratio	Lower	Upper
266	100		
264	73.3	52.3	78.5
268	81.3	51.5	77.3#



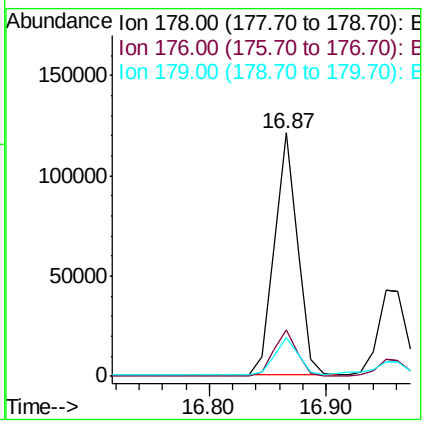


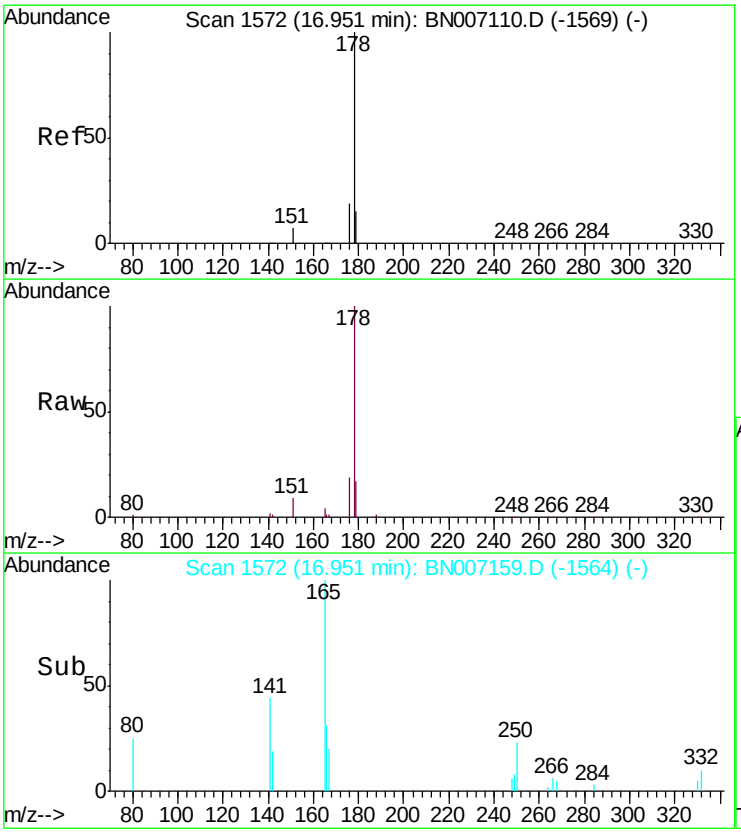
#22
Phenanthrene
Concen: 1.172 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:178 Resp: 165900

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	16.2	12.3	18.5

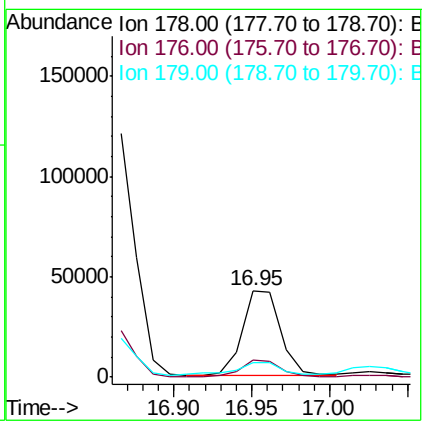


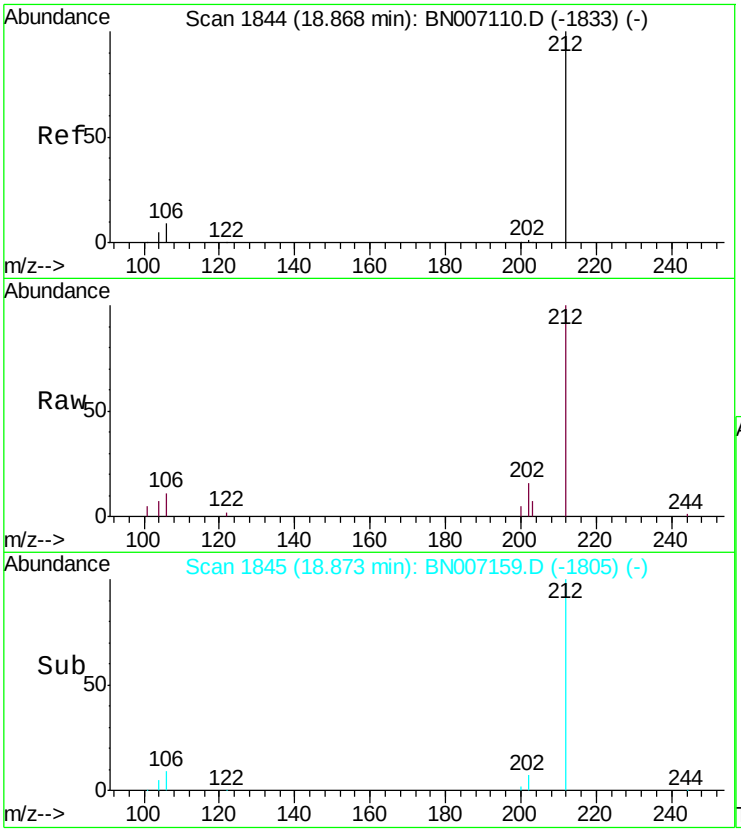


#23
Anthracene
Concen: 0.551 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:178 Resp: 71323

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	18.0	12.5	18.7



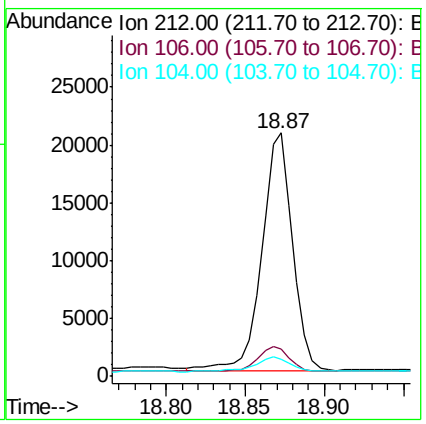


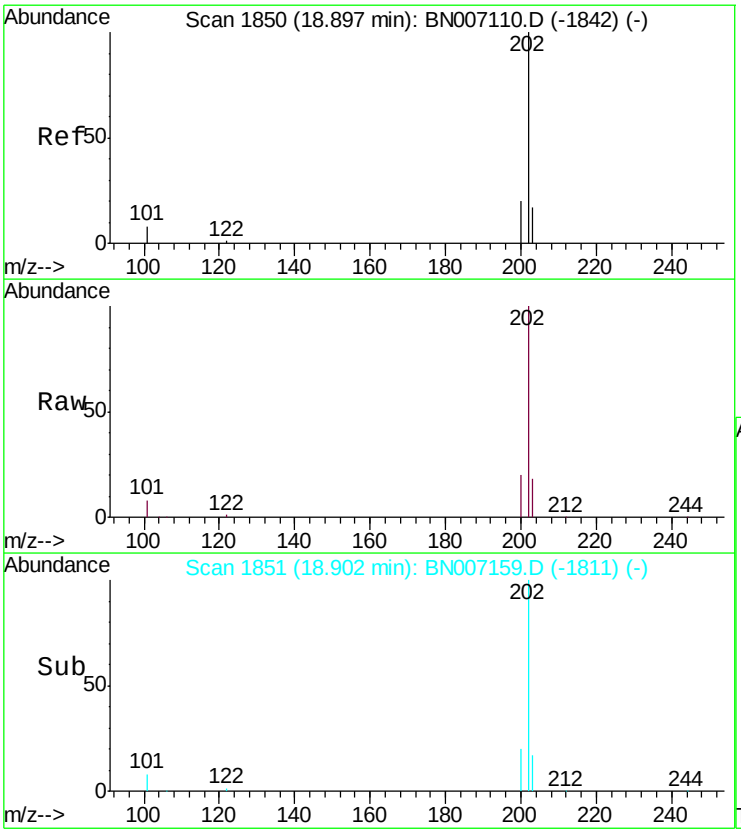
#24
Fluoranthene-d10
Concen: 0.164 ng
RT: 18.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:212 Resp: 27414

Ion	Ratio	Lower	Upper
212	100		
106	10.4	8.2	12.2
104	7.0	4.5	6.7#

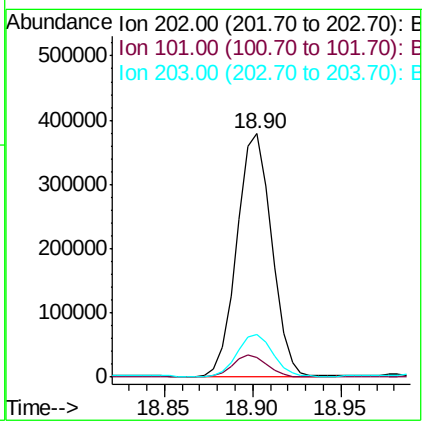


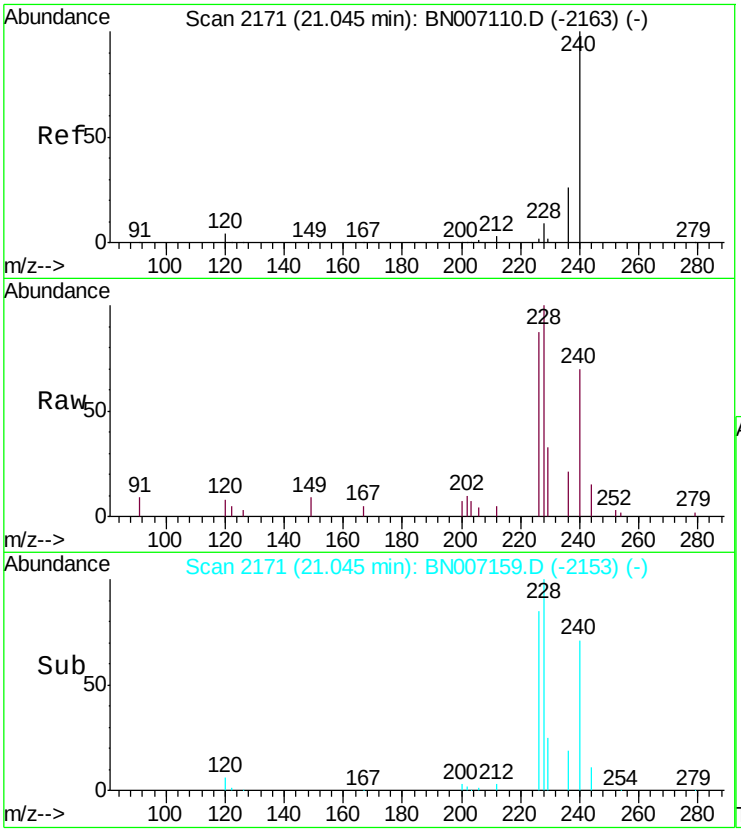


#25
Fluoranthene
Concen: 2.838 ng
RT: 18.90 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:202 Resp: 514014

Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.0	10.4
203	17.7	13.8	20.8



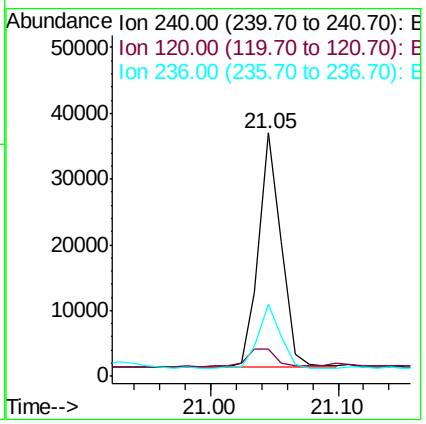


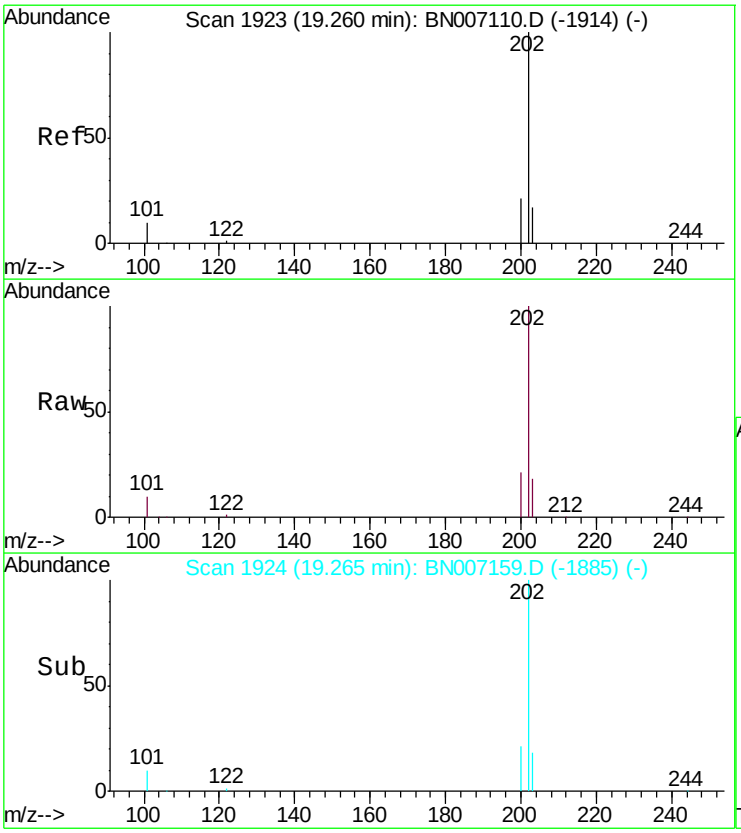
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:240 Resp: 44667

Ion	Ratio	Lower	Upper
240	100		
120	11.3	4.0	6.0#
236	29.7	21.3	31.9

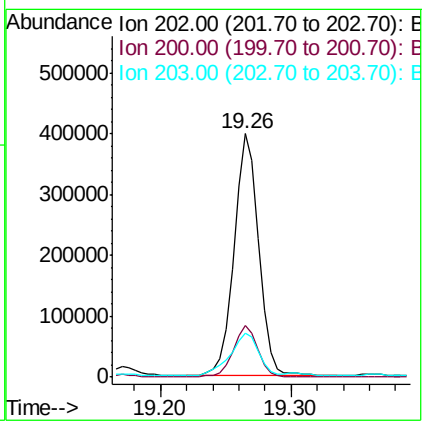


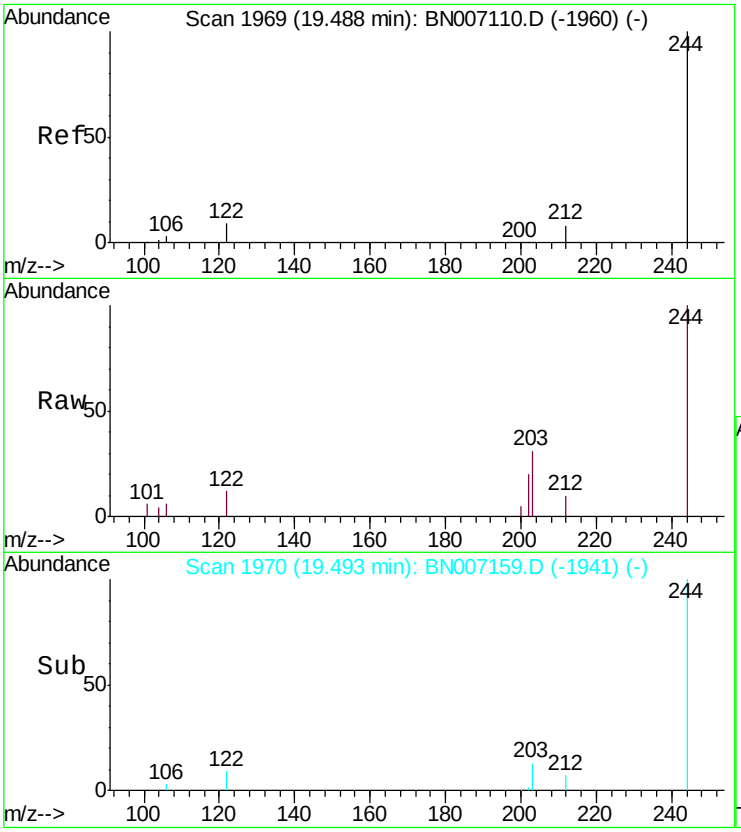


#27
Pyrene
Concen: 3.350 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:202 Resp: 524703

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	20.9	14.0	21.0



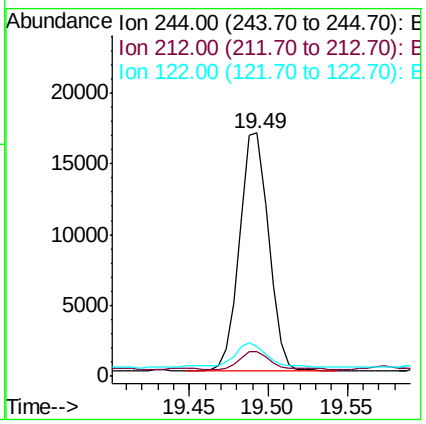


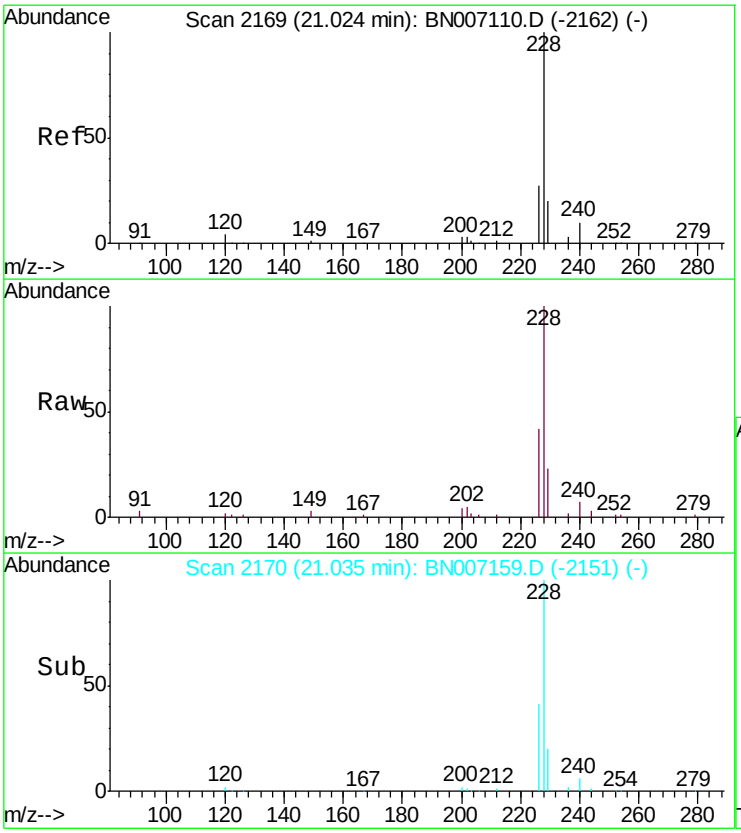
#28
Terphenyl-d14
Concen: 0.175 ng
RT: 19.49 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:244 Resp: 21290

Ion	Ratio	Lower	Upper
244	100		
212	10.1	6.2	9.2#
122	12.4	7.4	11.2#

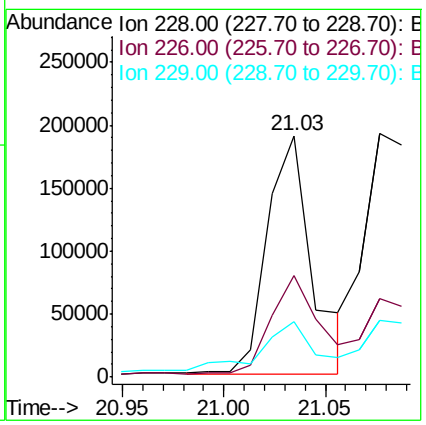


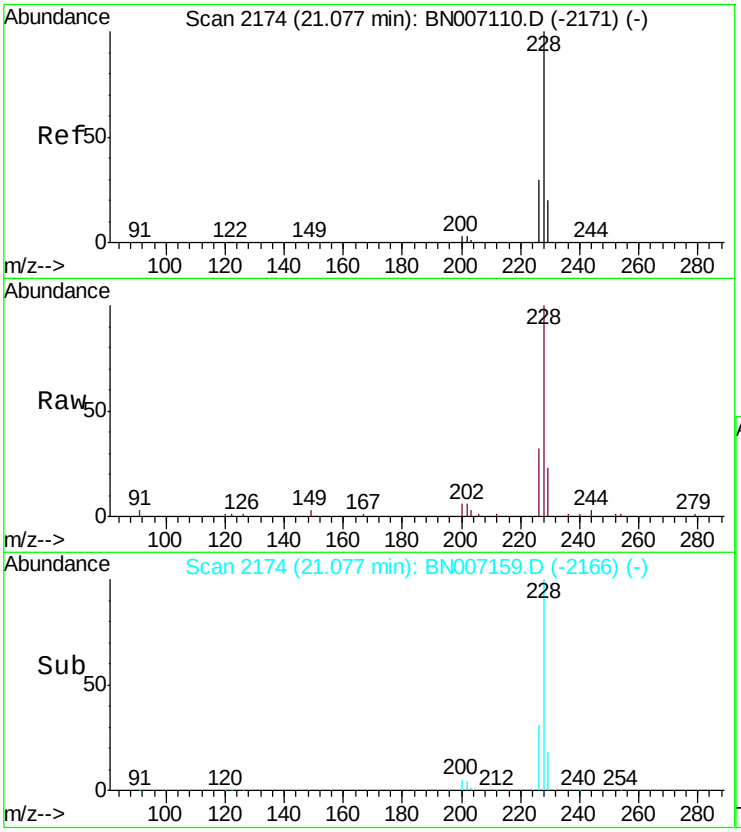


#29
Benzo(a)anthracene
Concen: 1.766 ng m
RT: 21.03 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:228 Resp: 288430

Ion	Ratio	Lower	Upper
228	100		
226	42.2	21.8	32.6#
229	23.1	15.6	23.4



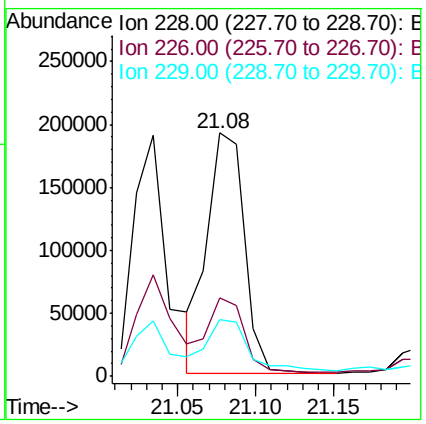


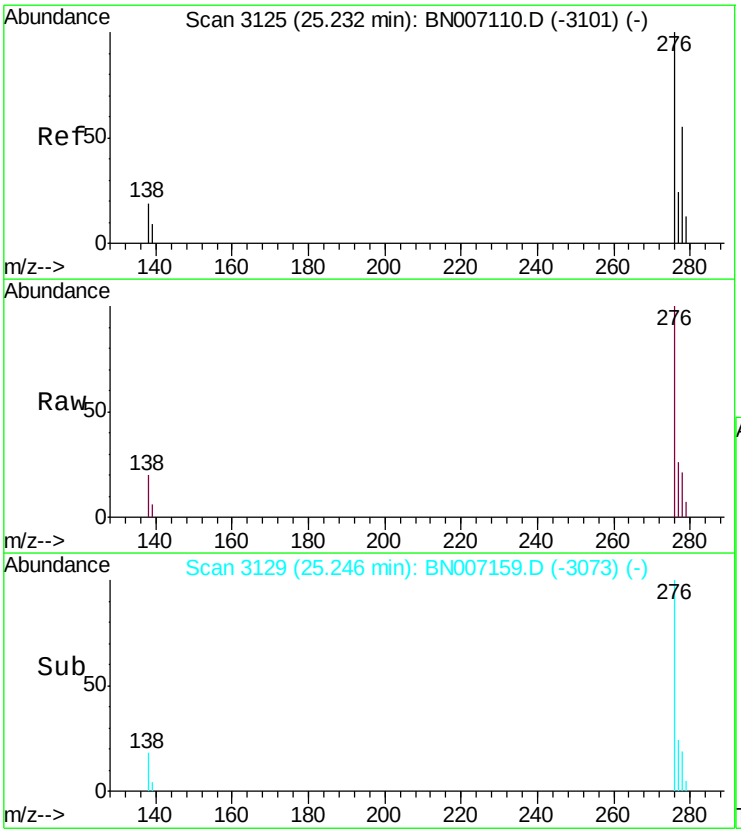
#30
Chrysene
Concen: 1.977 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:228 Resp: 313770

Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.8	35.6
229	23.1	15.7	23.5

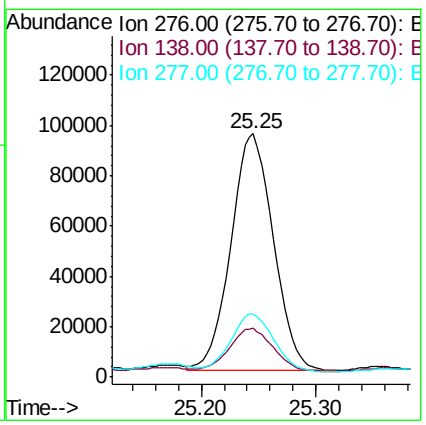


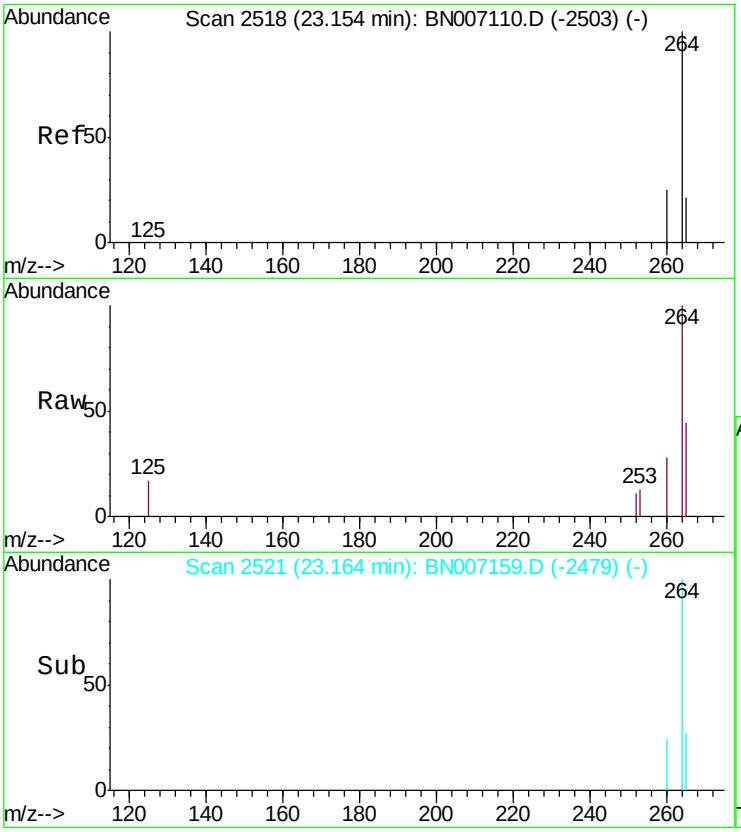


#31
Indeno(1,2,3-cd)pyrene
Concen: 1.375 ng
RT: 25.25 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:276 Resp: 240543

Ion	Ratio	Lower	Upper
276	100		
138	18.7	16.0	24.0
277	24.7	19.9	29.9



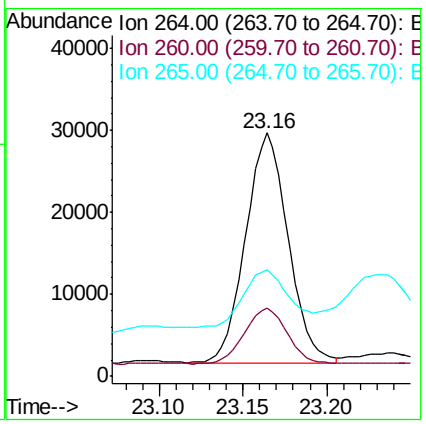


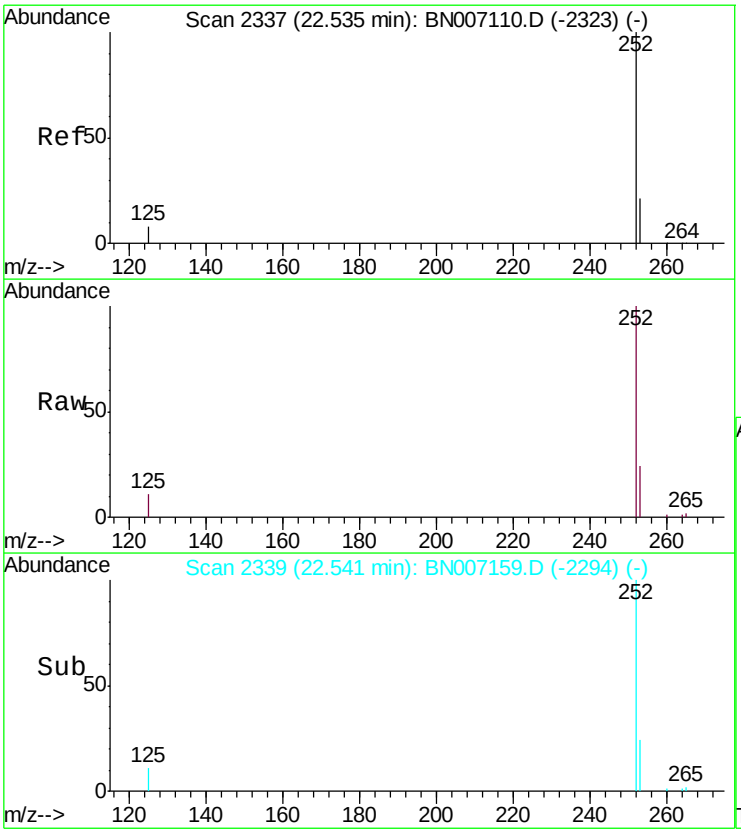
#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:264 Resp: 49911

Ion	Ratio	Lower	Upper
264	100		
260	28.2	19.8	29.8
265	44.0	26.2	39.4#

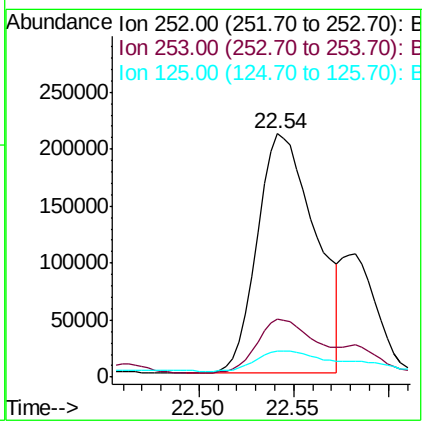


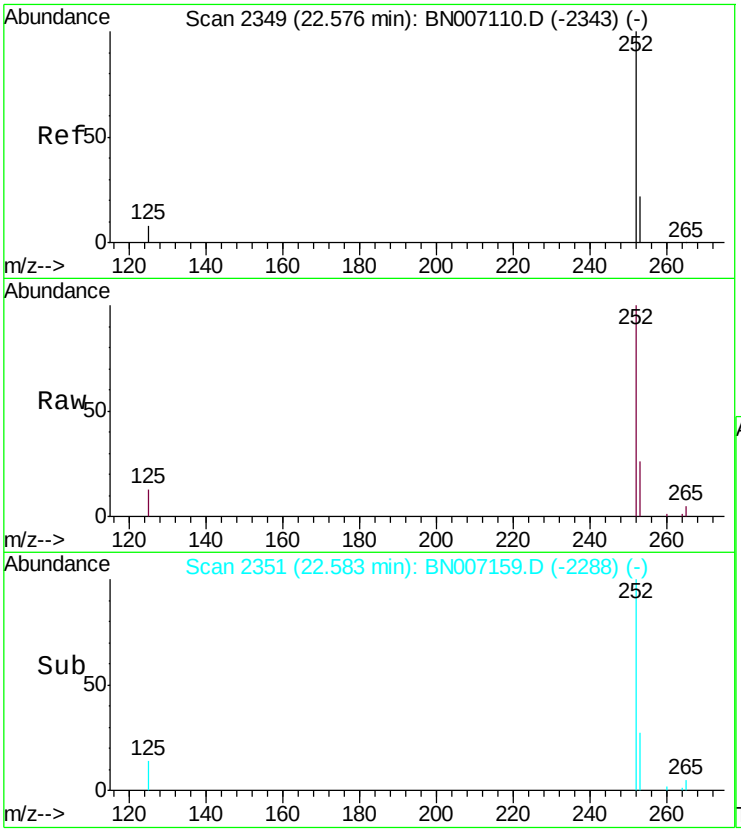


#33
Benzo(b)fluoranthene
Concen: 2.625 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:252 Resp: 449332

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	10.8	7.4	11.0



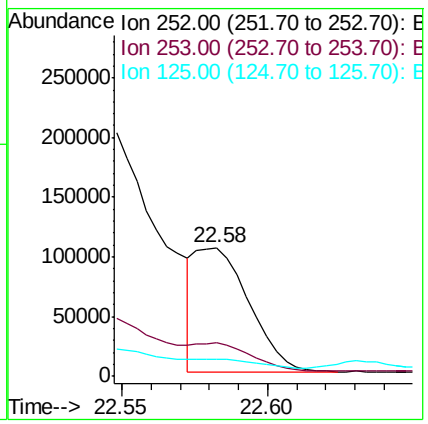


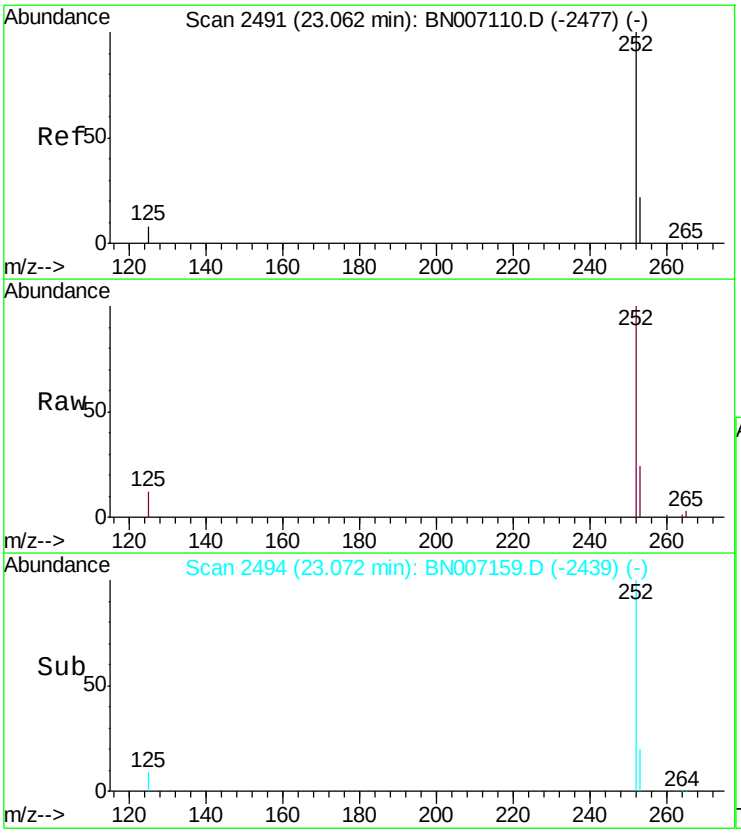
#34
Benzo(k)fluoranthene
Concen: 0.810 ng m
RT: 22.58 min Scan# 2351
Delta R.T. -0.01 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:252 Resp: 136900

Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.1	27.1
125	13.1	7.4	11.0#

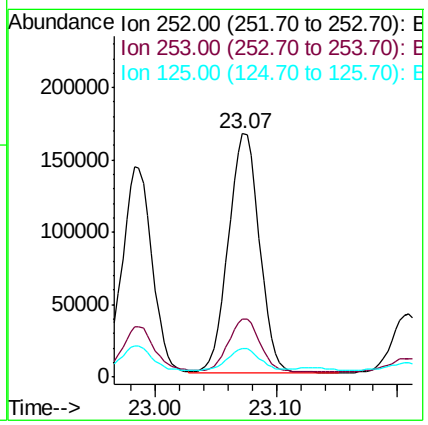


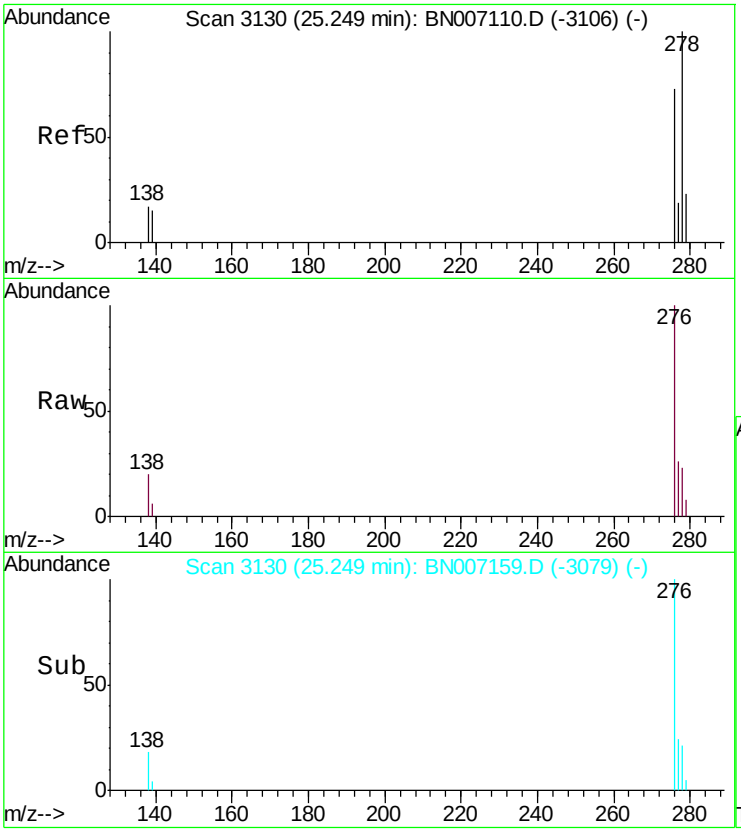


#35
Benzo(a)pyrene
Concen: 1.892 ng
RT: 23.07 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:252 Resp: 293495

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.5	27.7
125	11.8	8.2	12.4



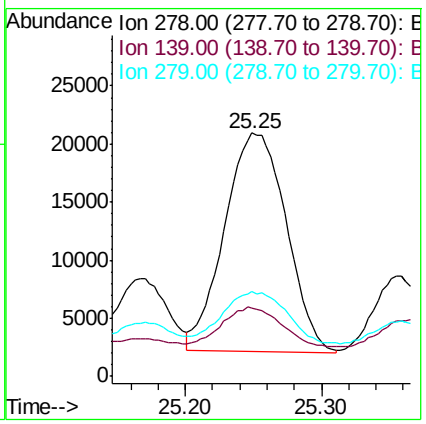


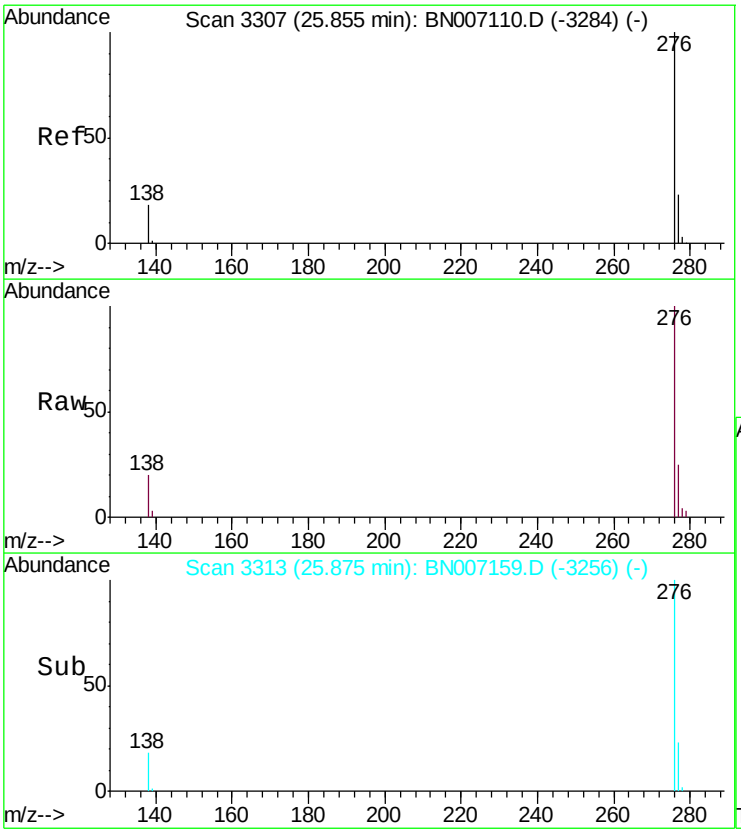
#36
Dibenzo(a,h)anthracene
Concen: 0.383 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.02 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW105-073119

Tgt Ion:278 Resp: 59266

Ion	Ratio	Lower	Upper
278	100		
139	27.8	11.3	16.9#
279	35.1	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 1.642 ng
RT: 25.88 min Scan# 3313
Delta R.T. -0.00 min
Lab File: BN007159.D
Acq: 14 Aug 2019 08:45

Tgt Ion:276 Resp: 261454

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.8	29.8
138	19.7	14.6	22.0