Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007197.D
Acq On : 15 Aug 2019 15:34
Operator : HP/JU
Sample : K4173-16 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Aug 16 02:42:27 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	8907	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	34931	0.40	ng		0.00
12) Acenaphthene-d10	14.06	164	20341	0.40	ng		-0.01
18) Phenanthrene-d10	16.82	188	47600	0.40	ng		0.00
26) Chrysene-d12	21.05	240	45390	0.40	ng		-0.01
32) Perylene-d12	23.15	264	53531	0.40	ng		-0.02
System Monitoring Compounds							
3) 2-Fluorophenol	5.05	112	675	0.03	ng		0.00
4) Phenol-d6	6.61	99	918	0.03	ng		0.00
7) Nitrobenzene-d5	8.55	82	799	0.03	ng		-0.01
10) 2-Methylnaphthalene-d10	11.78	152	1591	0.02	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	275	0.03	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	406	0.01	ng		0.00
24) Fluoranthene-d10	18.86	212	3766	0.02	ng		-0.01
28) Terphenyl-d14	19.48	244	4026	0.03	ng		-0.02
Target Compounds							Qvalue
8) Naphthalene	10.22	128	19915	0.203	ng		99
11) 2-Methylnaphthalene	11.86	142	15086	0.217	ng		98
15) Acenaphthylene	13.79	152	173590	1.633	ng		99
16) Acenaphthene	14.13	154	21000	0.308	ng		99
17) Fluorene	15.12	166	48841	0.479	ng		87
22) Phenanthrene	16.87	178	1104440	7.742	ng		100
23) Anthracene	16.95	178	191960	1.473	ng		99
25) Fluoranthene	18.90	202	1519516	8.327	ng		99
27) Pyrene	19.26	202	2170514	13.636	ng		97
29) Benzo(a)anthracene	21.02	228	920478	5.545	ng		93
30) Chrysene	21.08	228	1138423	7.059	ng		98
31) Indeno(1,2,3-cd)pyrene	25.23	276	515264	2.899	ng		99
33) Benzo(b)fluoranthene	22.54	252	997104	5.432	ng		99
34) Benzo(k)fluoranthene	22.54	252	997104	5.500	ng		99
35) Benzo(a)pyrene	23.07	252	816675	4.907	ng		98
36) Dibenzo(a,h)anthracene	25.24	278	147405	0.888	ng	#	91
37) Benzo(g,h,i)perylene	25.86	276	582445	3.410	ng		99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007197.D
Acq On : 15 Aug 2019 15:34
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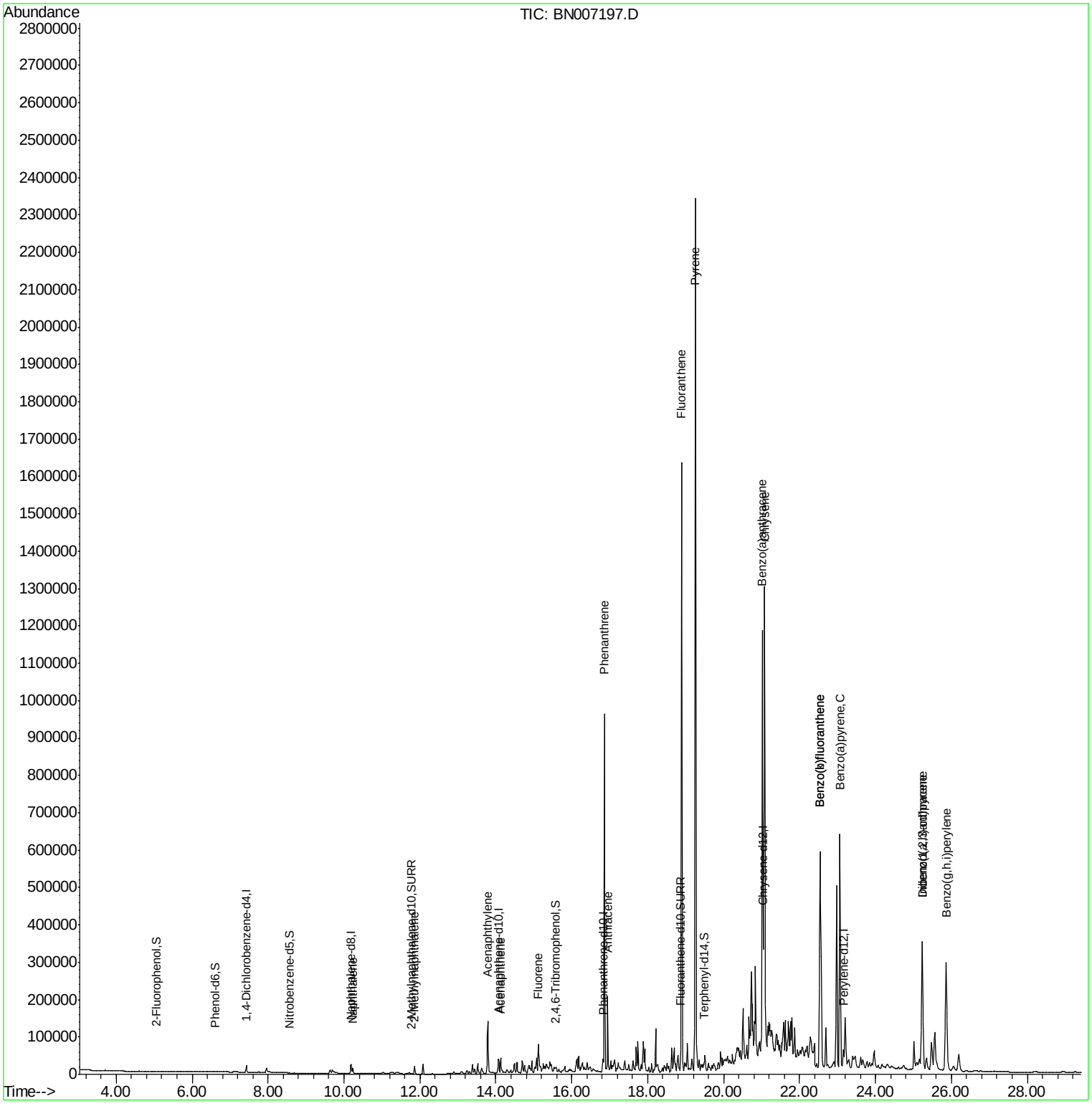
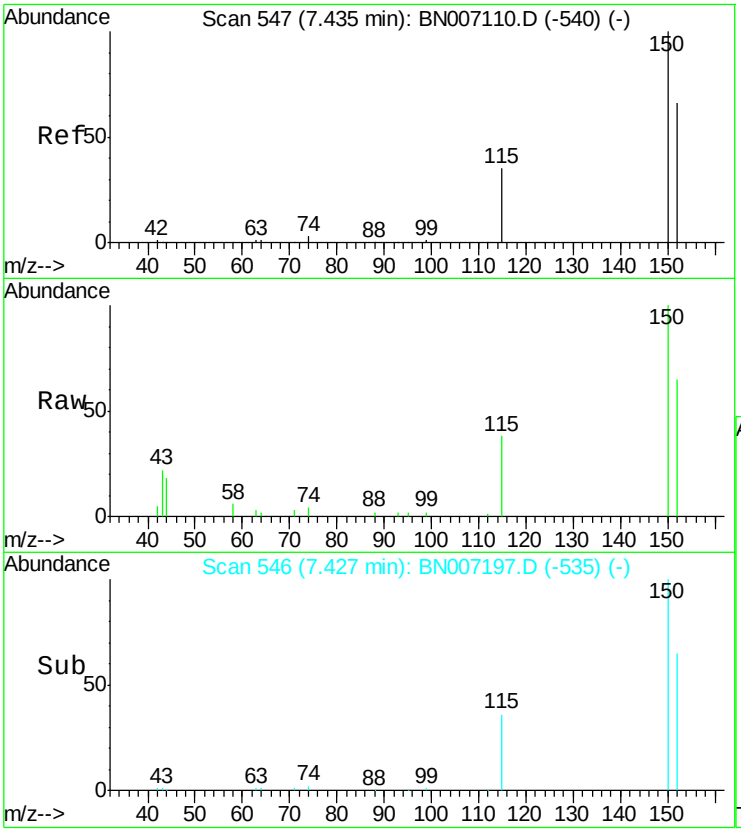
Sample : K4173-16 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 16 02:42:27 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



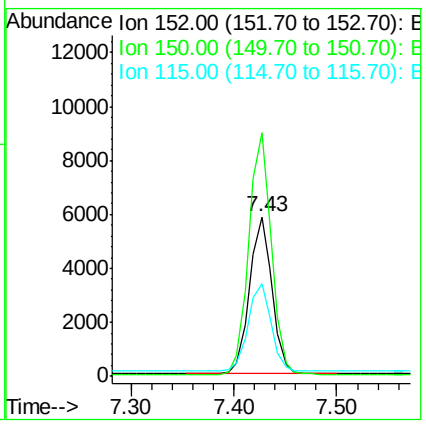


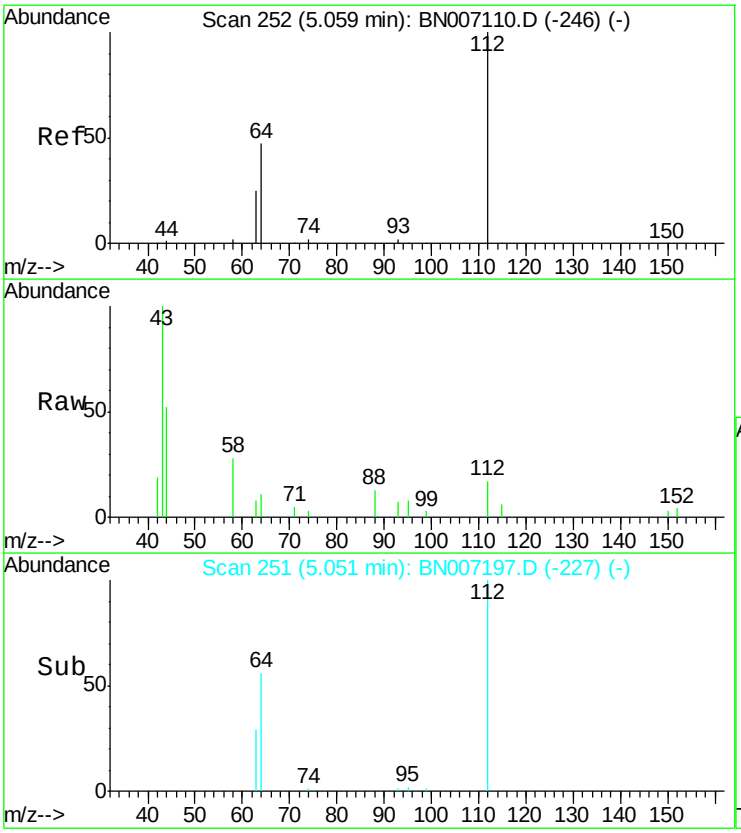
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 8907

Ion	Ratio	Lower	Upper
152	100		
150	152.7	121.7	182.5
115	58.2	46.2	69.4

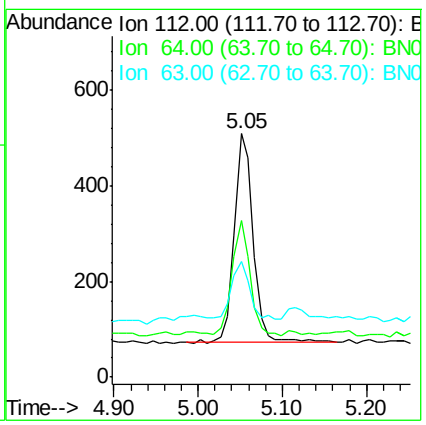


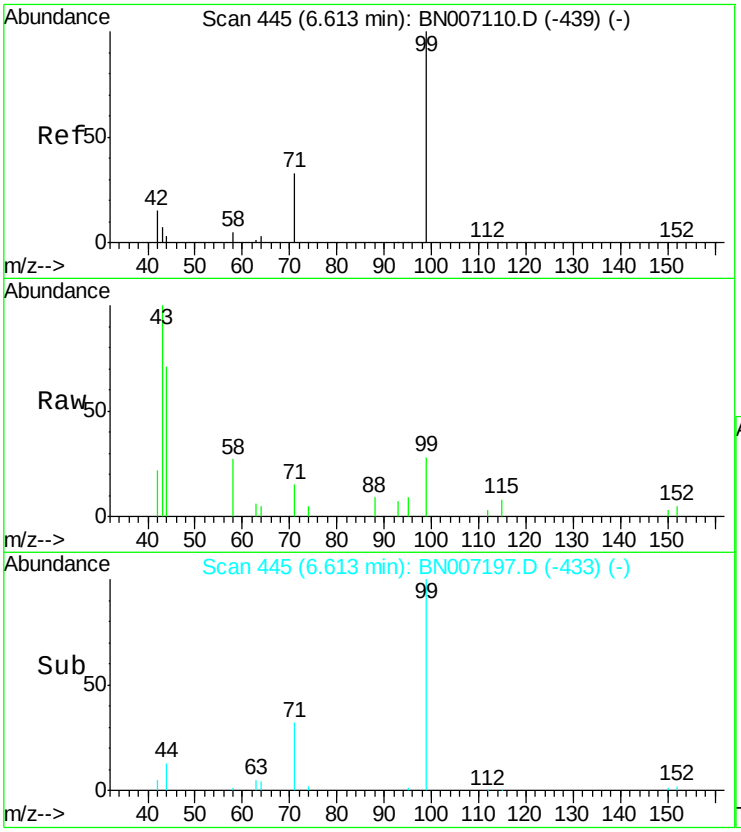


#3
2-Fluorophenol
Concen: 0.032 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:112 Resp: 675

Ion	Ratio	Lower	Upper
112	100		
64	53.3	42.6	63.8
63	27.7	22.2	33.2



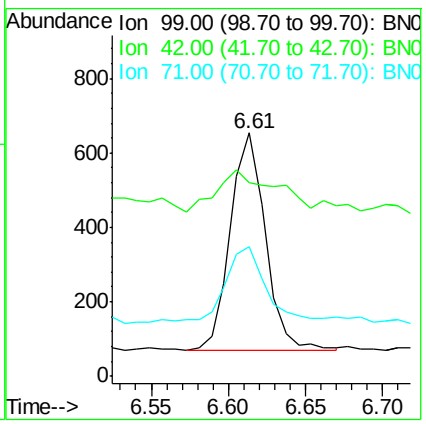


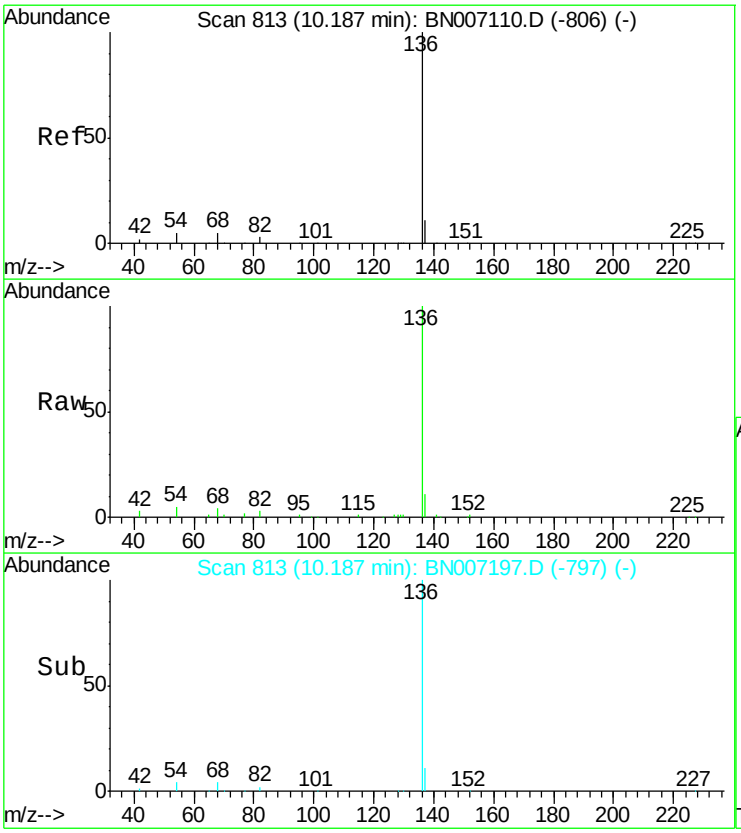
#4
Phenol-d6
Concen: 0.035 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 918

Ion	Ratio	Lower	Upper
99	100		
42	32.7	15.8	23.6#
71	41.1	27.0	40.4#

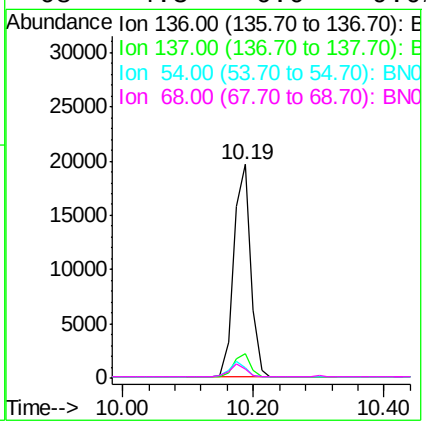


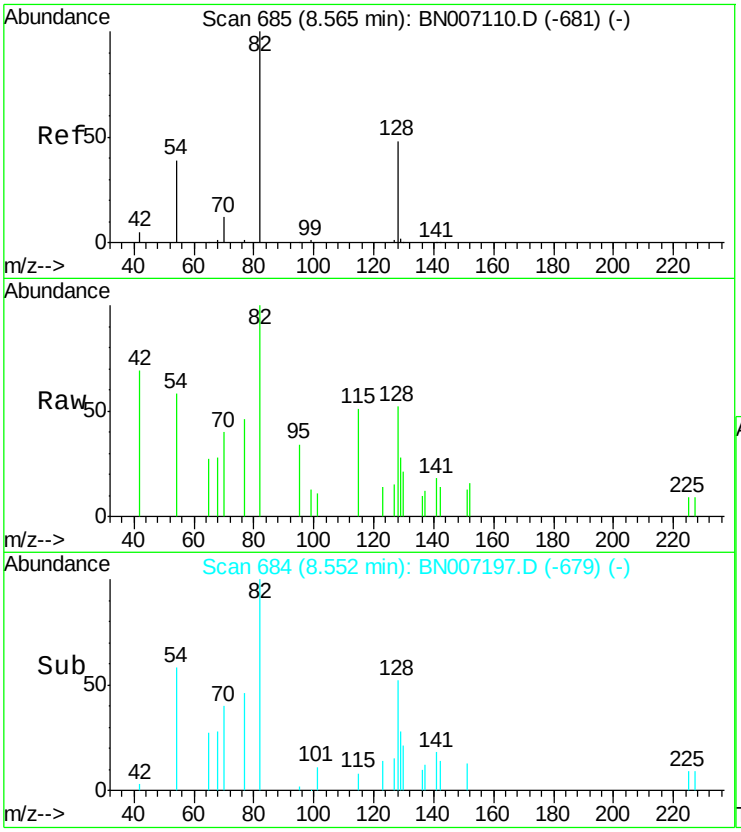


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:136 Resp: 34931

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	4.5	6.6	9.8#
68	4.3	6.0	9.0#



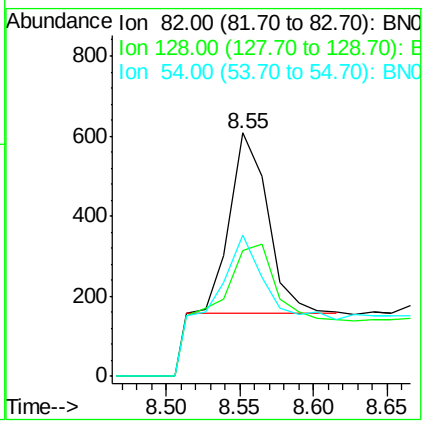


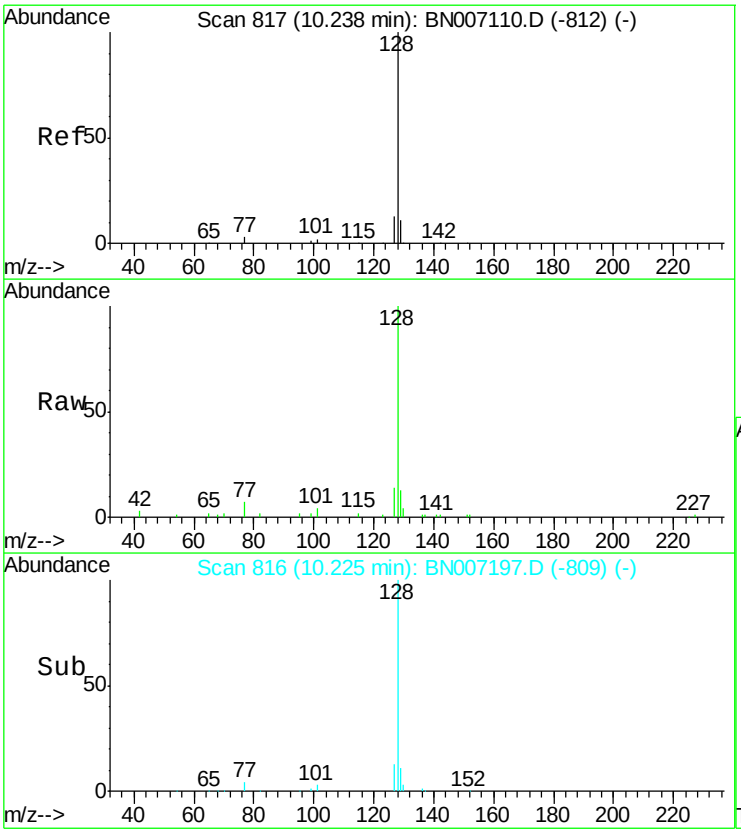
#7
Nitrobenzene-d5
Concen: 0.028 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 82 Resp: 799

Ion	Ratio	Lower	Upper
82	100		
128	51.6	34.6	51.8
54	57.9	36.2	54.4#

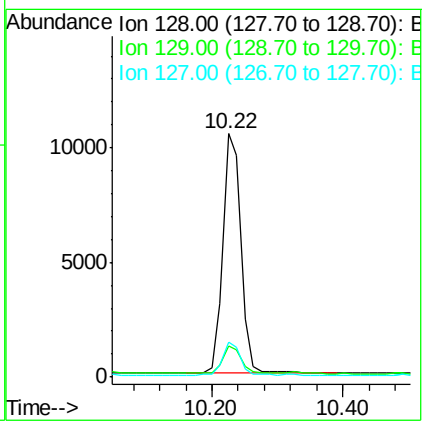


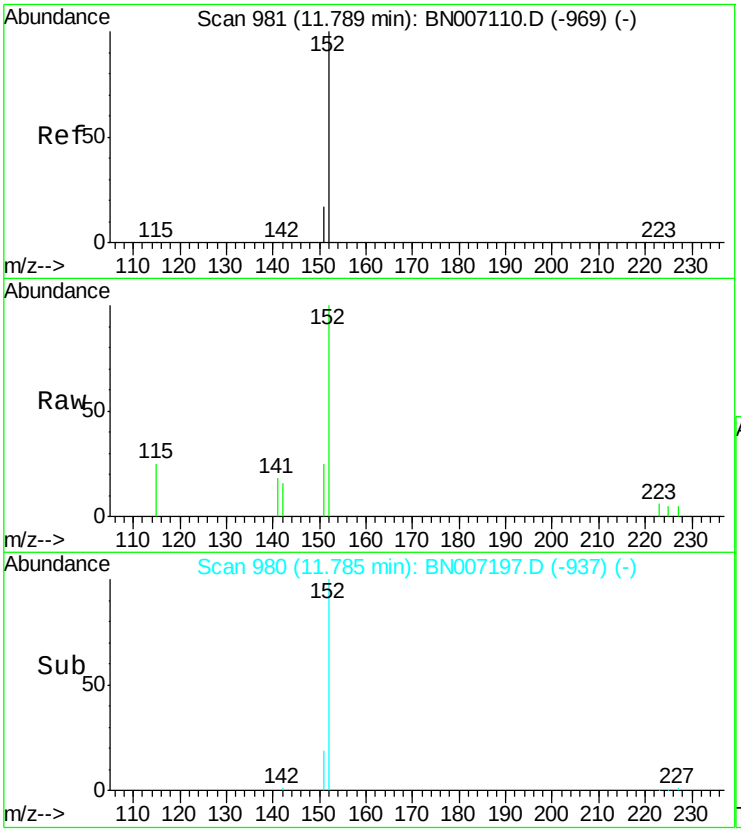


#8
Naphthalene
Concen: 0.203 ng
RT: 10.22 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:128 Resp: 19915

Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.4	14.2
127	14.1	11.0	16.6



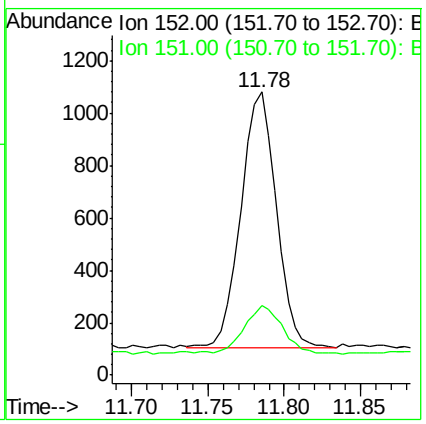


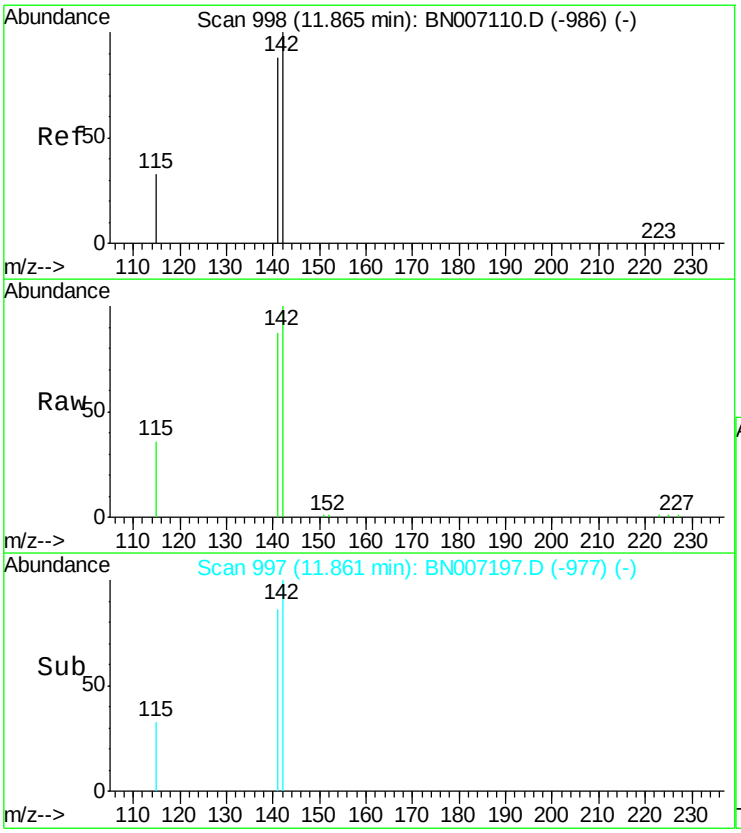
#10
2-Methylnaphthalene-d10
Concen: 0.024 ng
RT: 11.78 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 1591

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.5	23.3

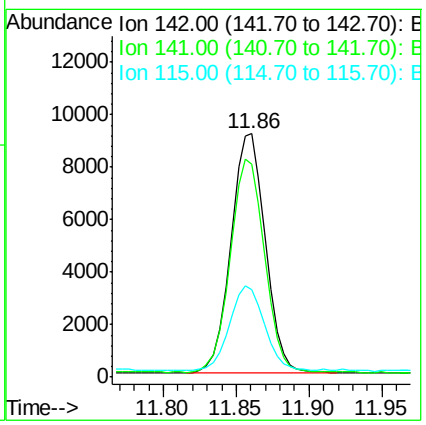


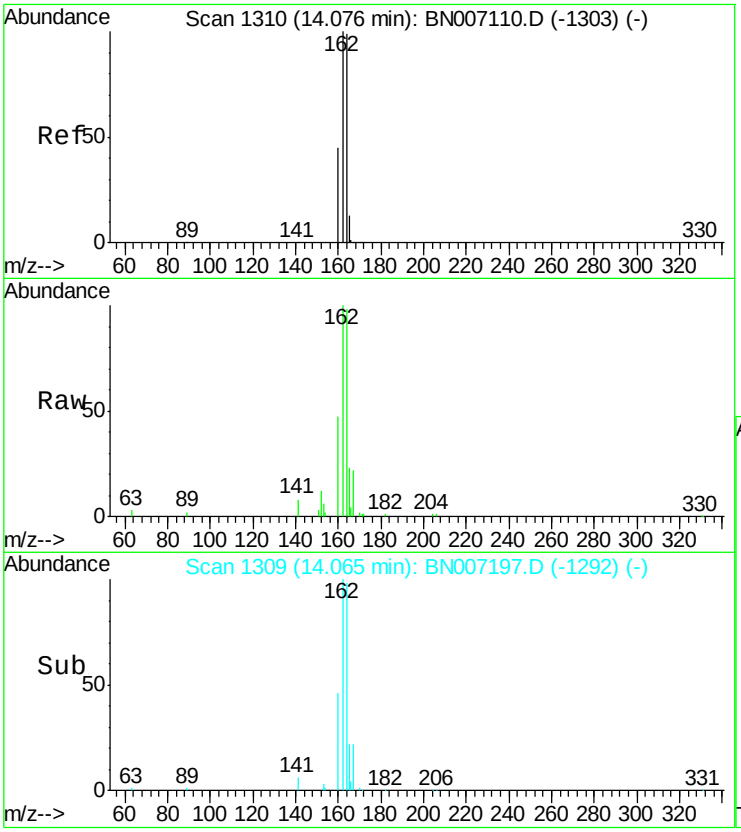


#11
2-Methylnaphthalene
Concen: 0.217 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:142 Resp: 15086

Ion	Ratio	Lower	Upper
142	100		
141	87.2	69.0	103.6
115	35.9	27.1	40.7



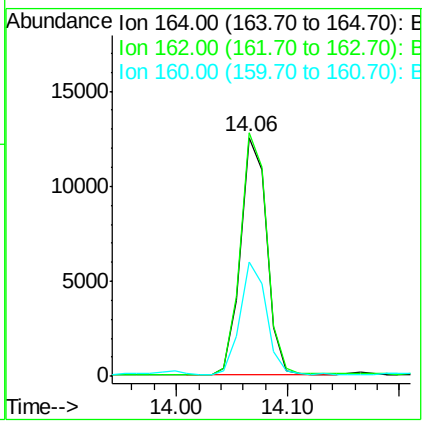


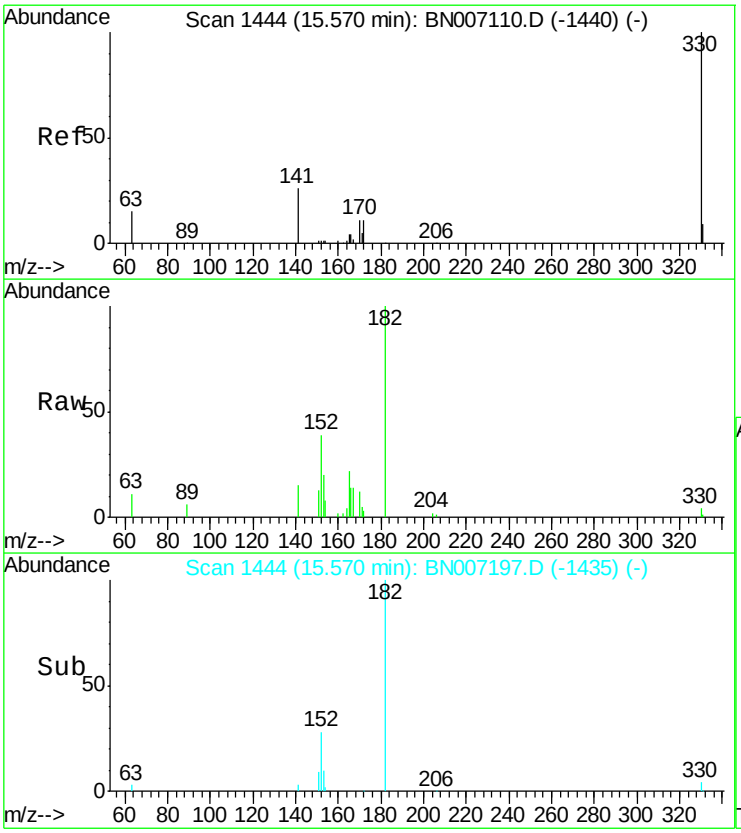
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 20341

Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.2	123.4
160	47.7	38.3	57.5

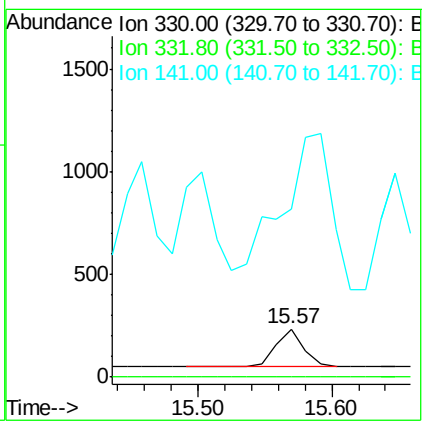


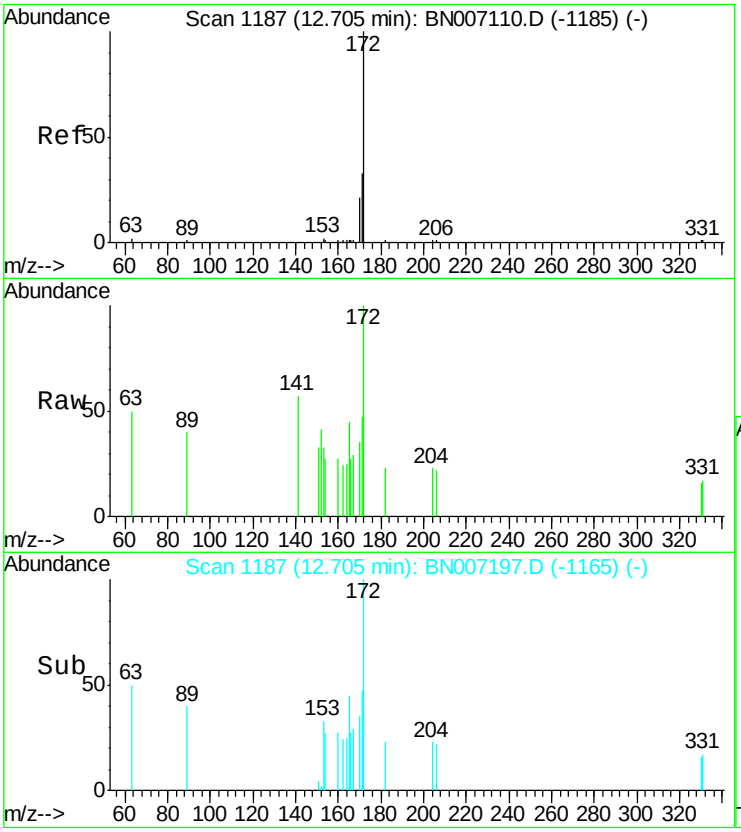


#13
2,4,6-Tribromophenol
Concen: 0.025 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:330 Resp: 275

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



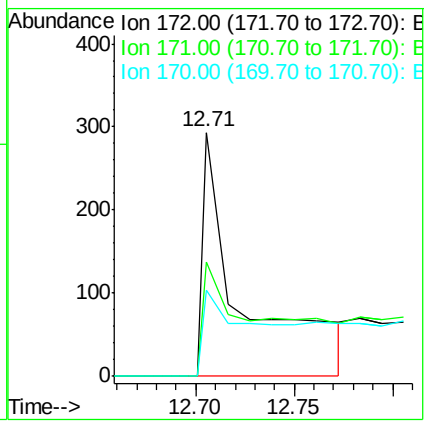


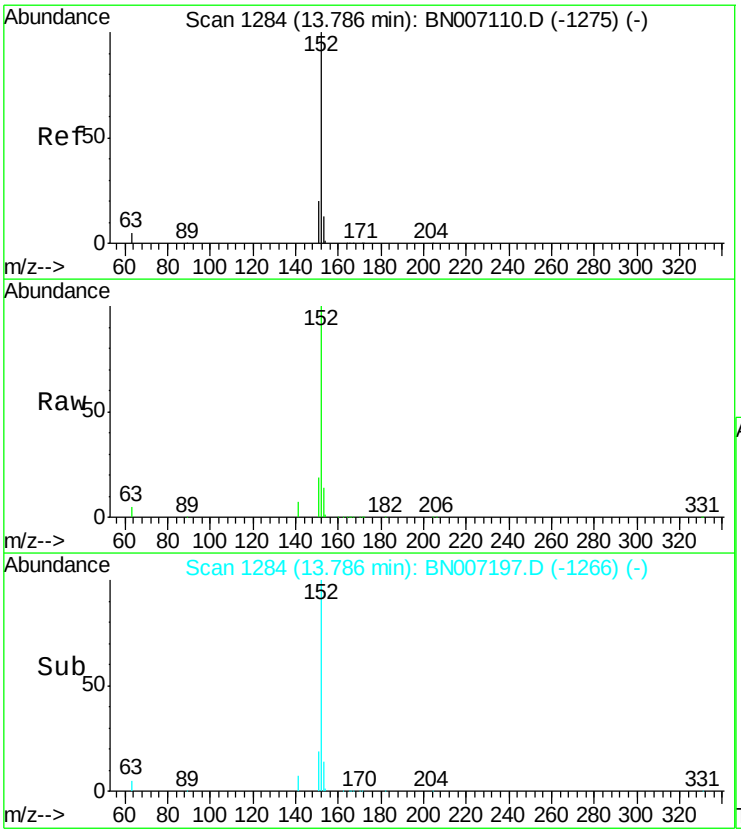
#14
2-Fluorobiphenyl
Concen: 0.014 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 406

Ion	Ratio	Lower	Upper
172	100		
171	47.1	26.3	39.5#
170	35.2	17.0	25.4#

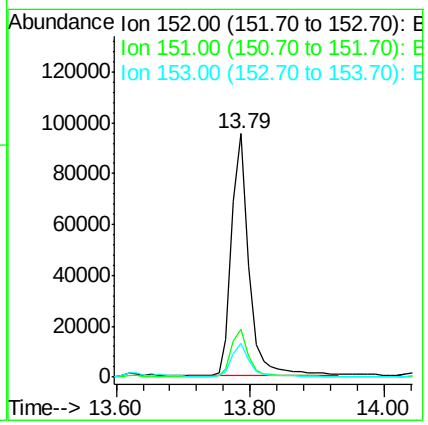


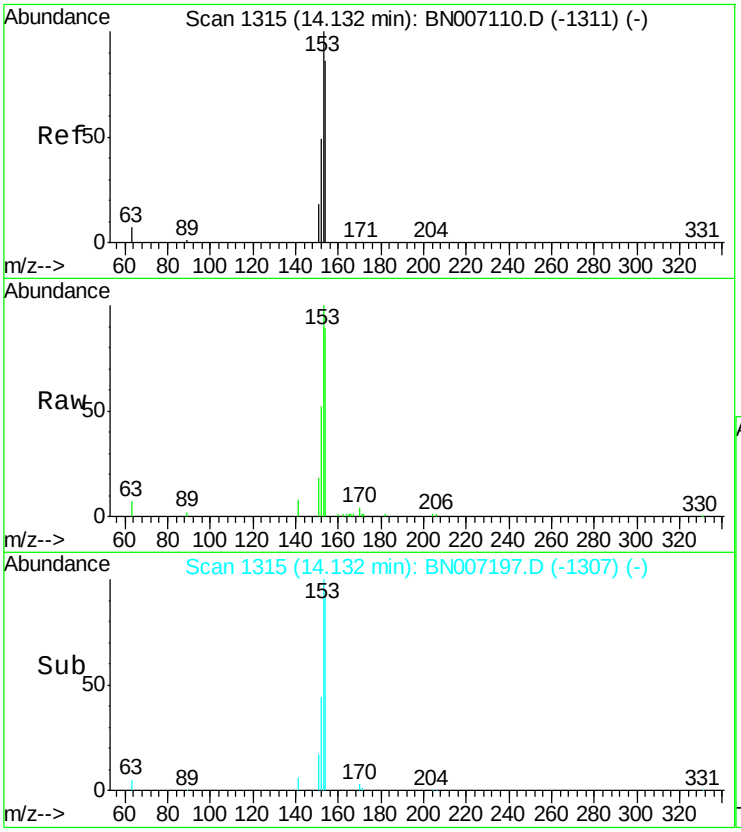


#15
Acenaphthylene
Concen: 1.633 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:152 Resp: 173590

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.8	10.4	15.6



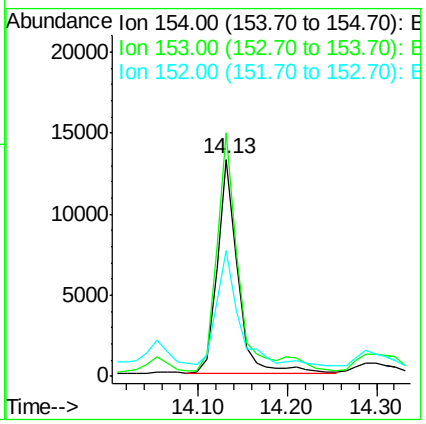


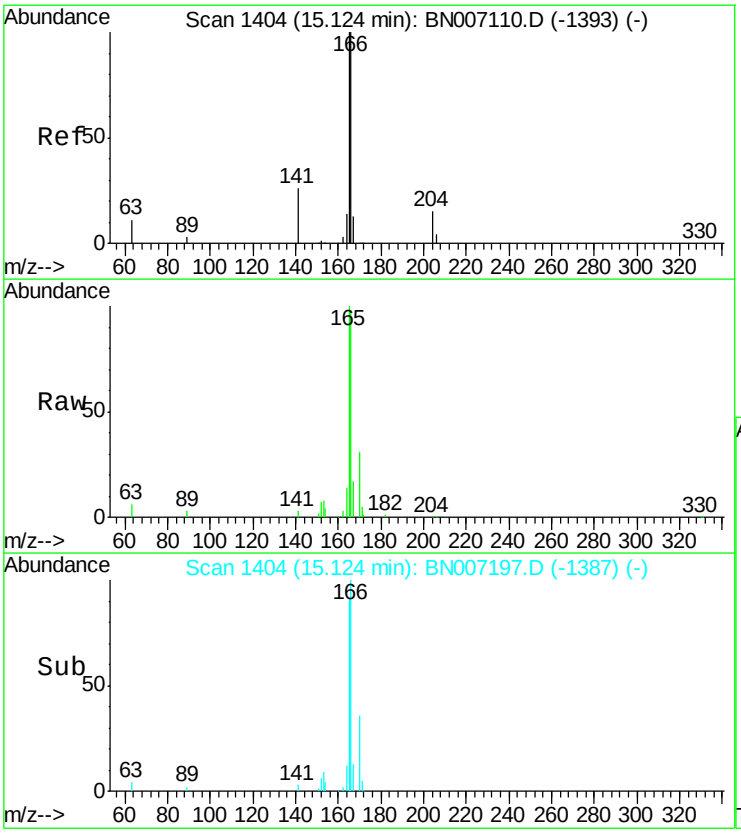
#16
Acenaphthene
Concen: 0.308 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 21000

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.5	134.3
152	54.2	44.8	67.2

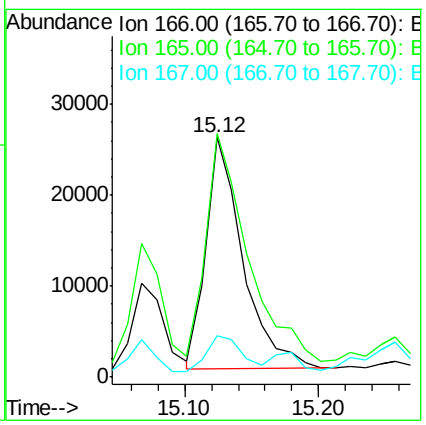


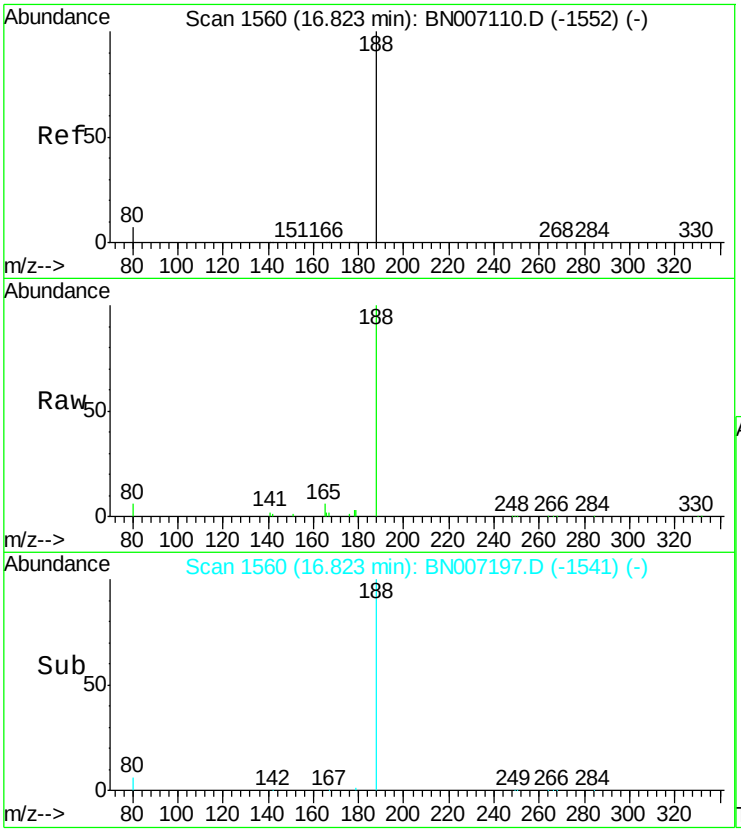


#17
Fluorene
Concen: 0.479 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:166 Resp: 48841

Ion	Ratio	Lower	Upper
166	100		
165	111.9	77.9	116.9
167	15.0	10.9	16.3



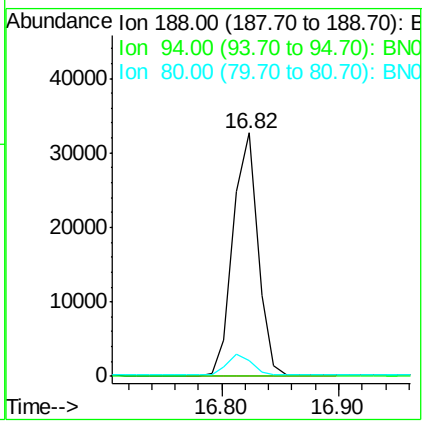


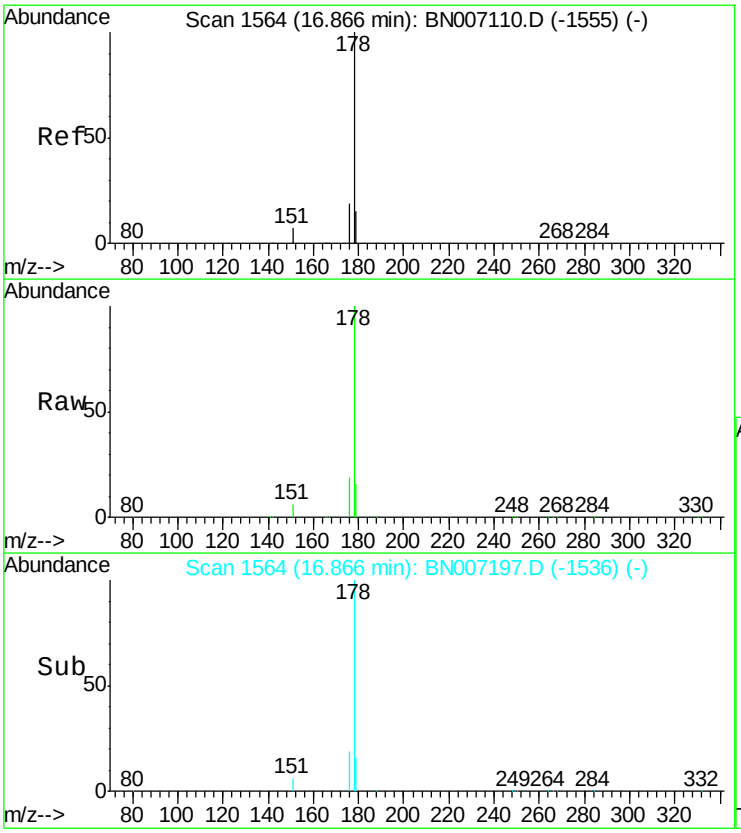
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 47600

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.3	7.8	11.6#

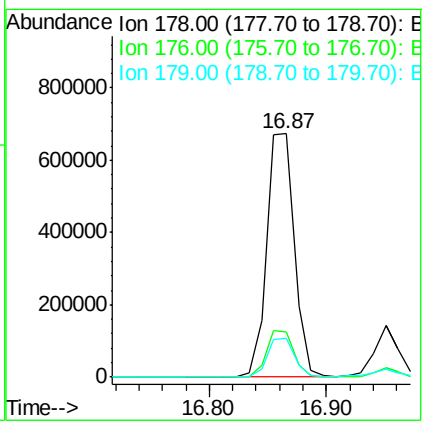


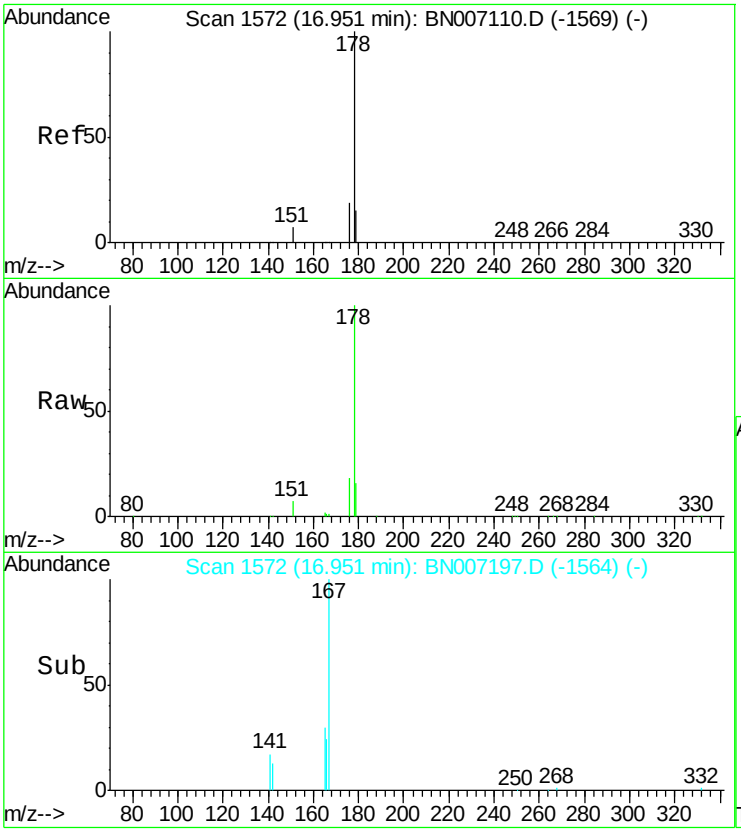


#22
Phenanthrene
Concen: 7.742 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:178 Resp: 1104440

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.7	12.3	18.5



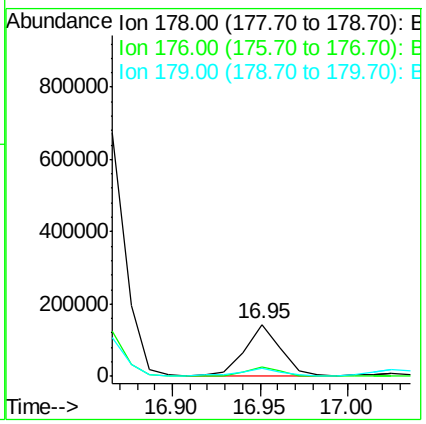


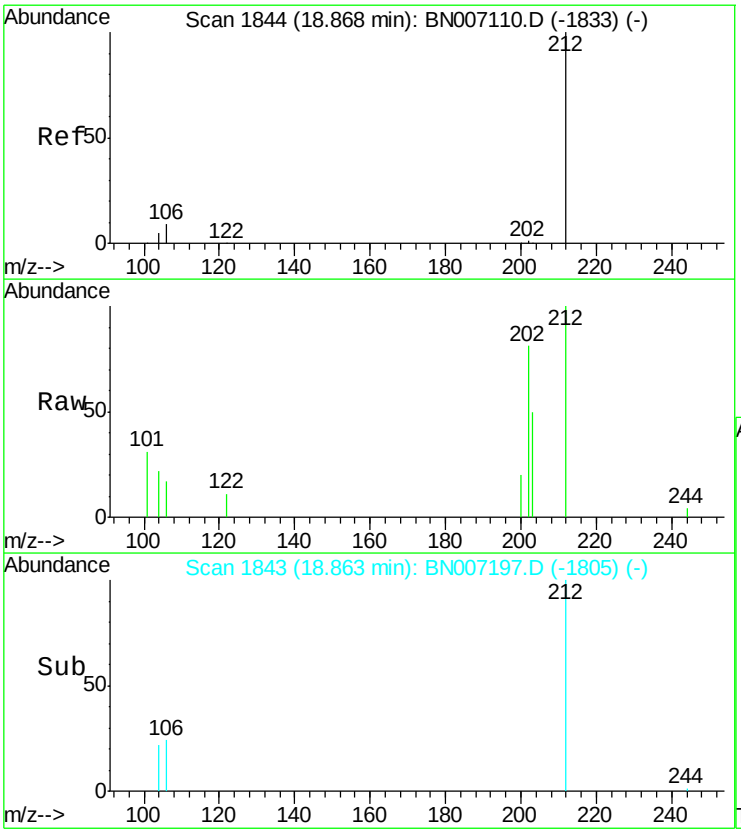
#23
Anthracene
Concen: 1.473 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 191960

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	16.7	12.5	18.7

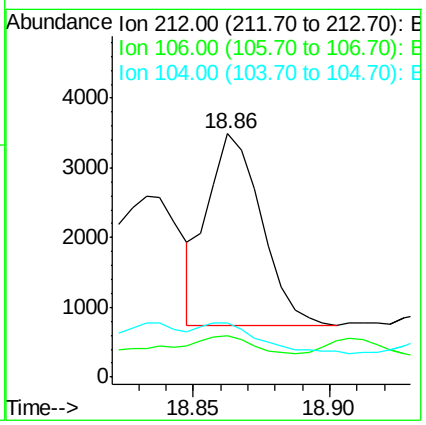


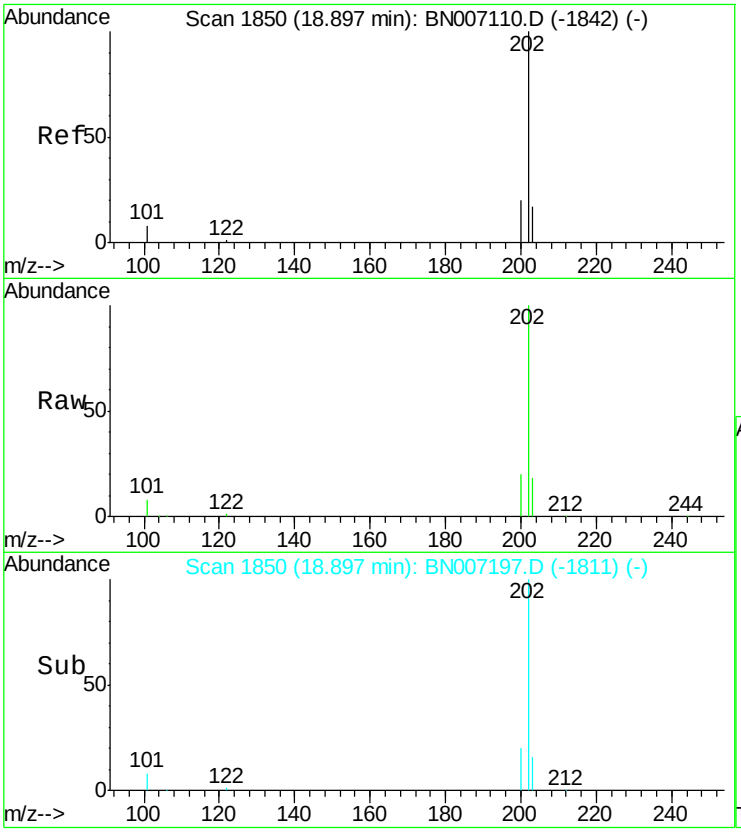


#24
Fluoranthene-d10
Concen: 0.022 ng
RT: 18.86 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:212 Resp: 3766

Ion	Ratio	Lower	Upper
212	100		
106	14.2	8.2	12.2#
104	17.4	4.5	6.7#



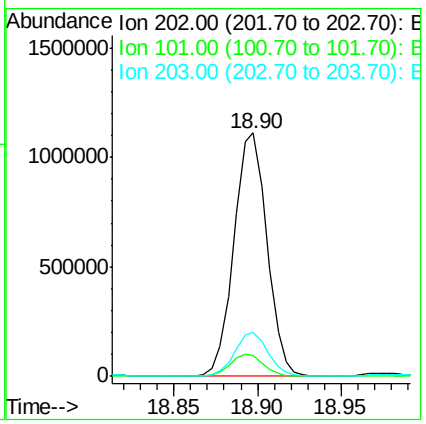


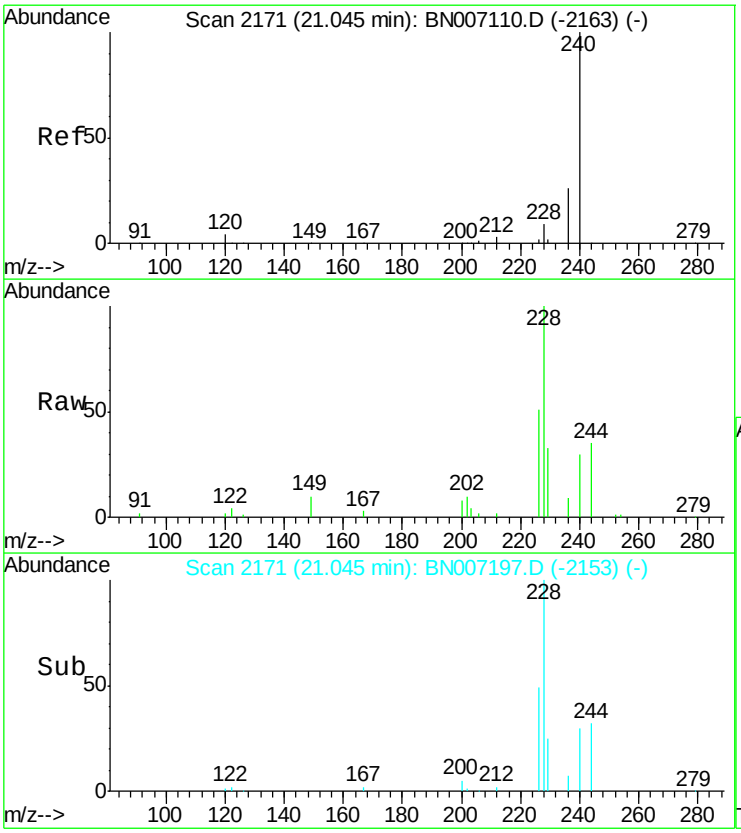
#25
Fluoranthene
Concen: 8.327 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 1519516

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	17.9	13.8	20.8

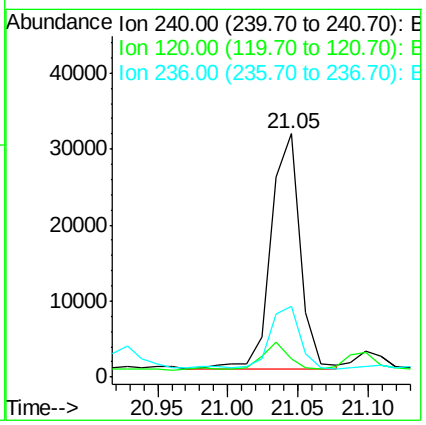


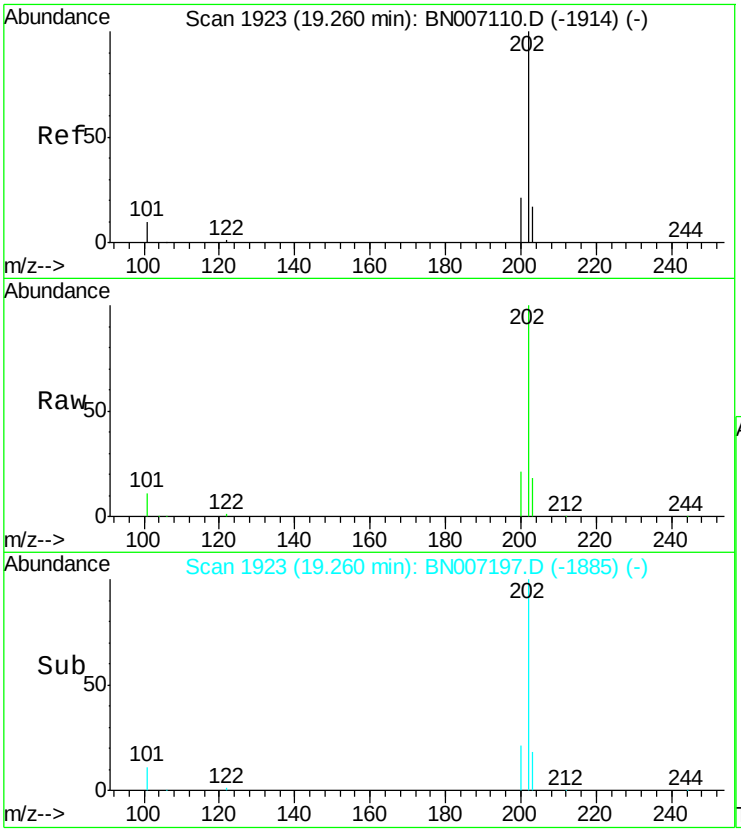


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:240 Resp: 45390

Ion	Ratio	Lower	Upper
240	100		
120	7.7	4.0	6.0#
236	29.0	21.3	31.9



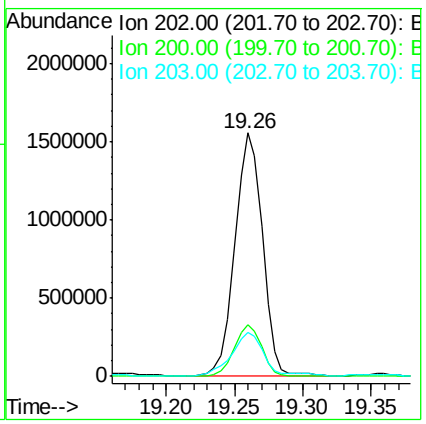


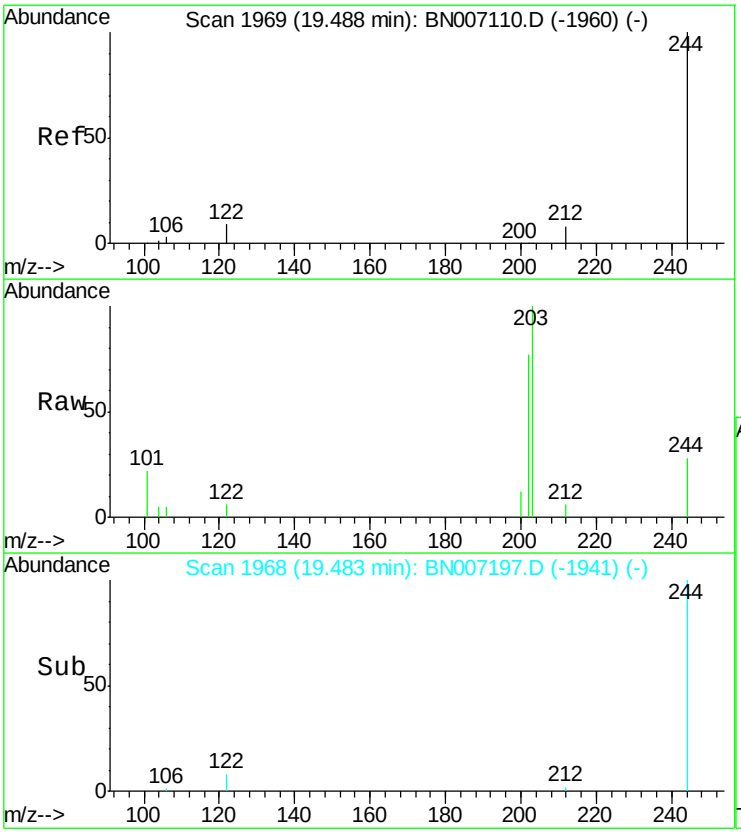
#27
Pyrene
Concen: 13.636 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 2170514

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	20.2	14.0	21.0

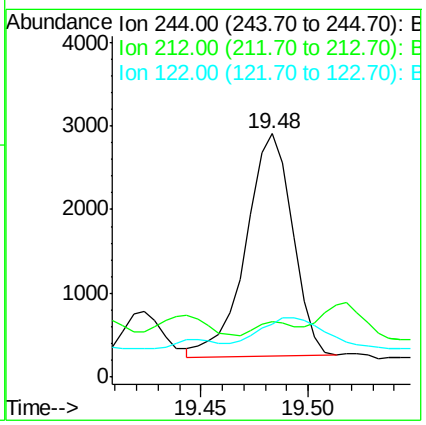


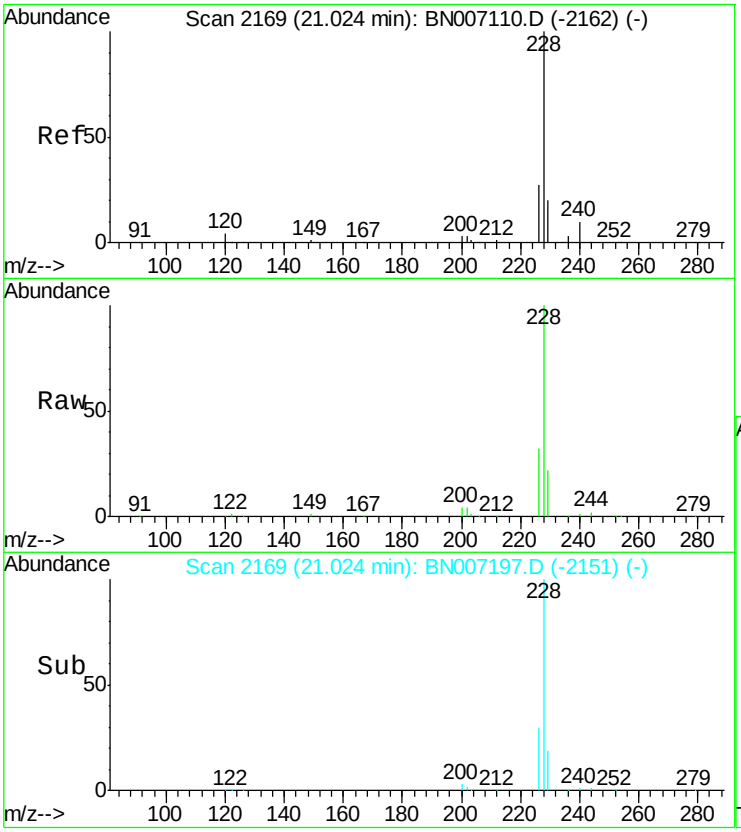


#28
Terphenyl-d14
Concen: 0.033 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:244 Resp: 4026

Ion	Ratio	Lower	Upper
244	100		
212	22.8	6.2	9.2#
122	22.0	7.4	11.2#



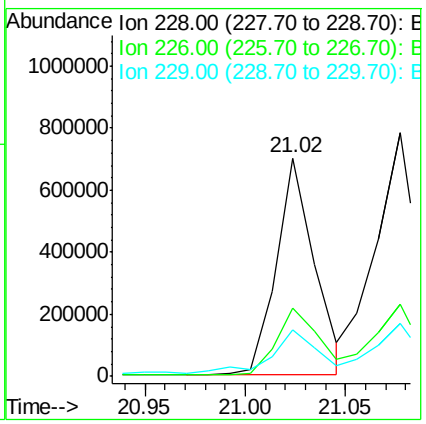


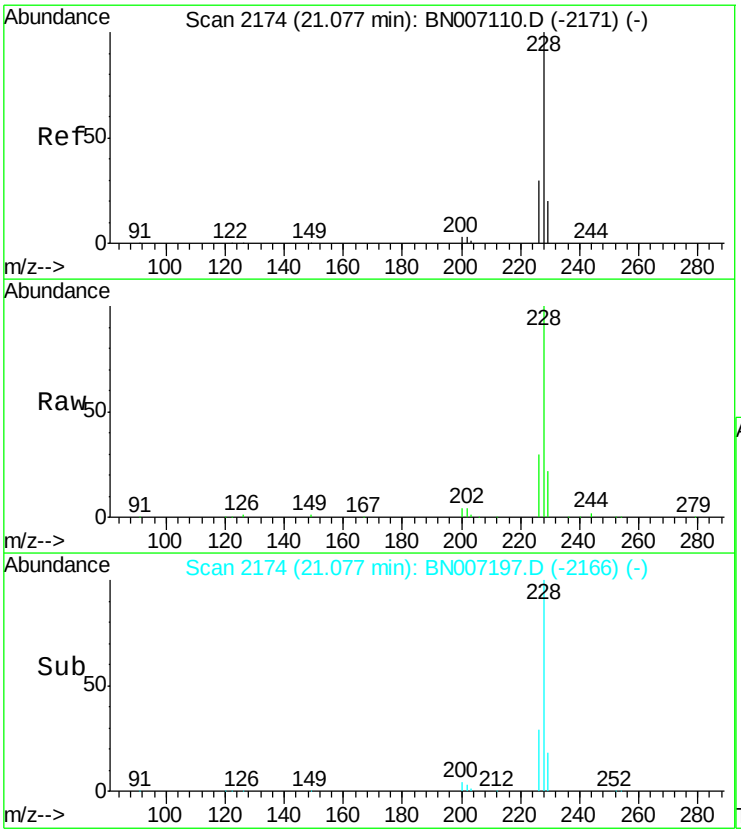
#29
Benzo(a)anthracene
Concen: 5.545 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 920478

Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.8	32.6
229	21.5	15.6	23.4

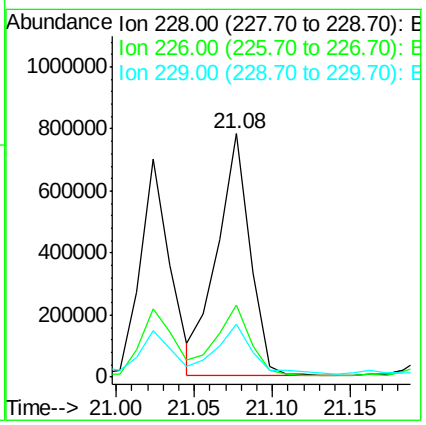


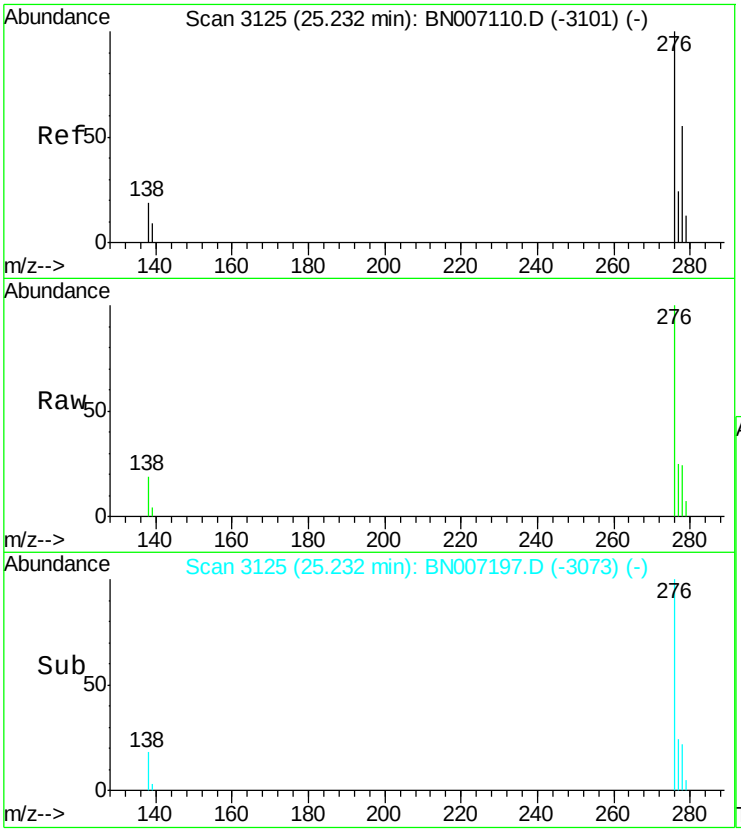


#30
Chrysene
Concen: 7.059 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:228 Resp: 1138423

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	21.6	15.7	23.5



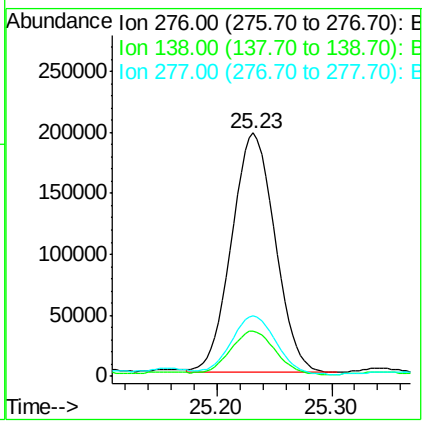


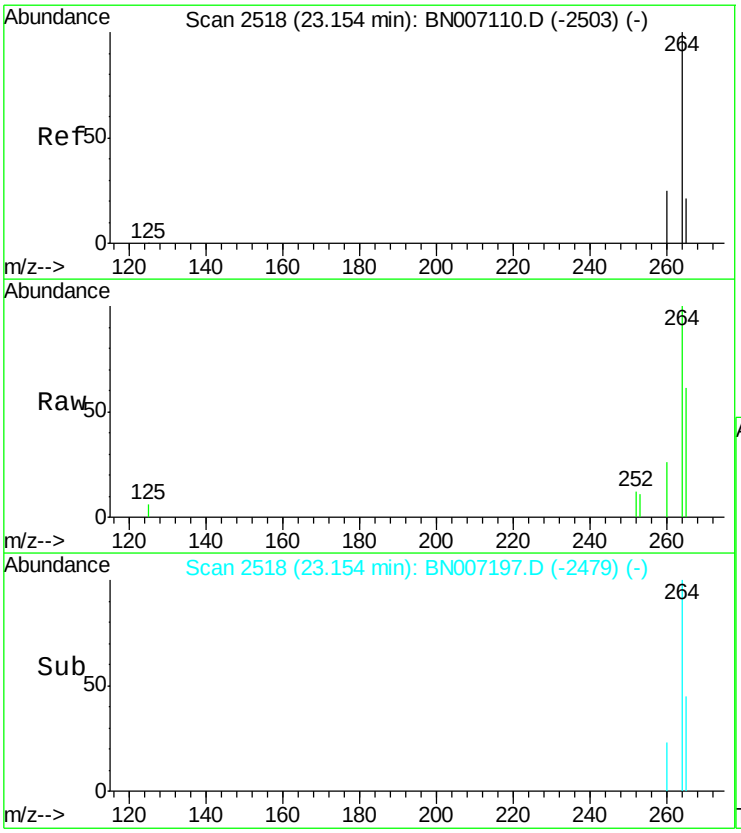
#31
Indeno(1,2,3-cd)pyrene
Concen: 2.899 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 515264

Ion	Ratio	Lower	Upper
276	100		
138	18.6	16.0	24.0
277	24.8	19.9	29.9

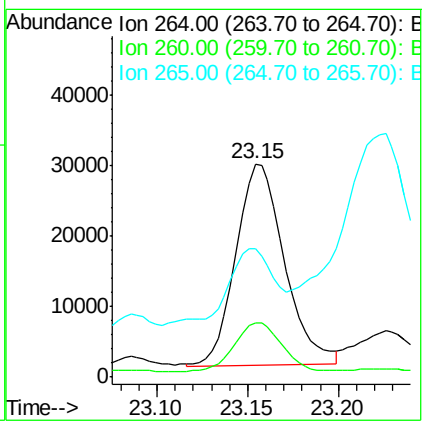


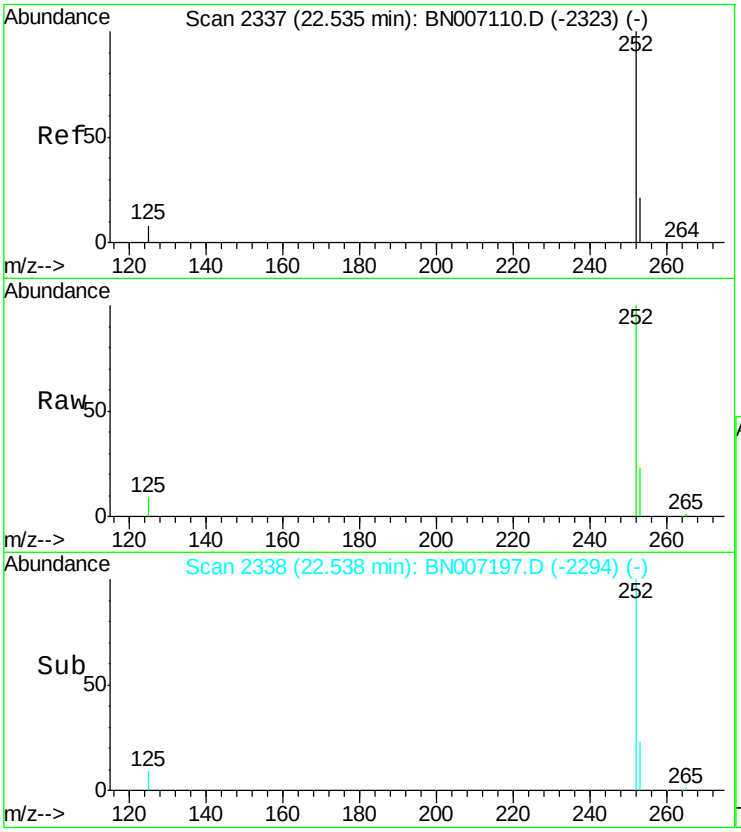


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:264 Resp: 53531

Ion	Ratio	Lower	Upper
264	100		
260	25.6	19.8	29.8
265	60.5	26.2	39.4#



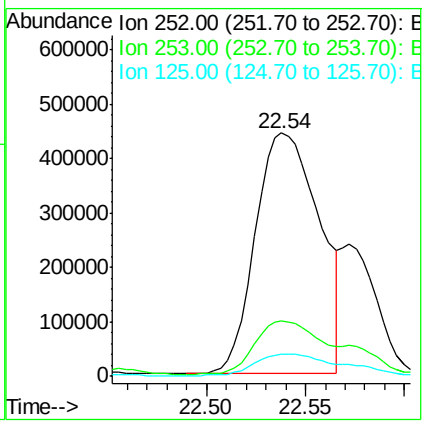


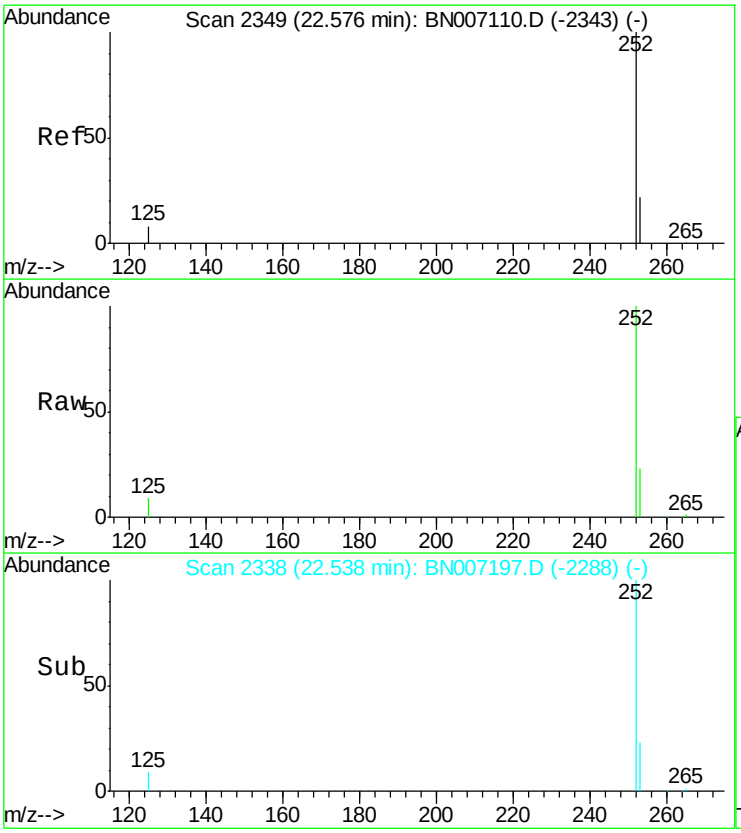
#33
Benzo(b)fluoranthene
Concen: 5.432 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 997104

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	8.9	7.4	11.0

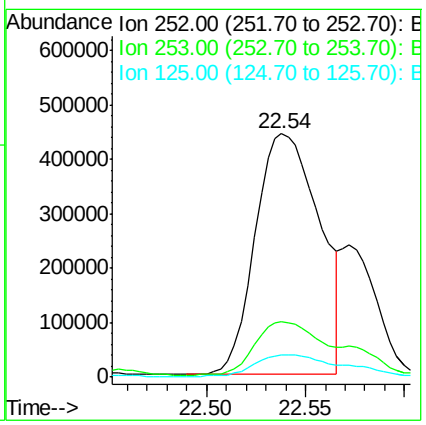


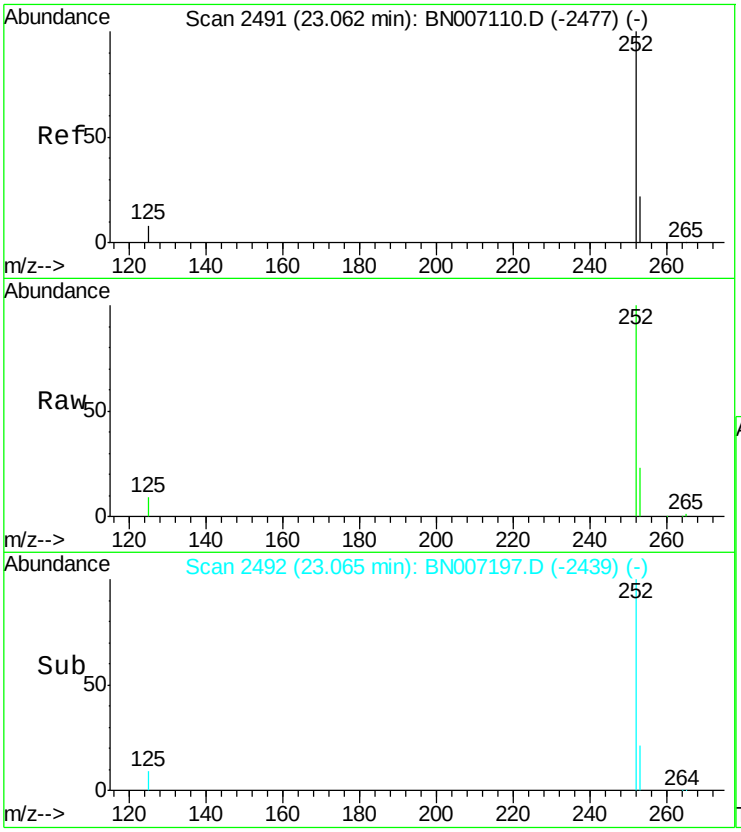


#34
Benzo(k)fluoranthene
Concen: 5.500 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.05 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:252 Resp: 997104

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	8.9	7.4	11.0



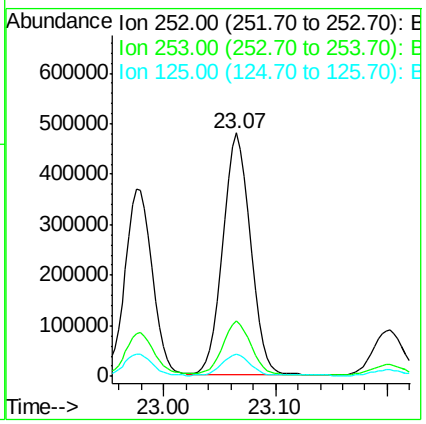


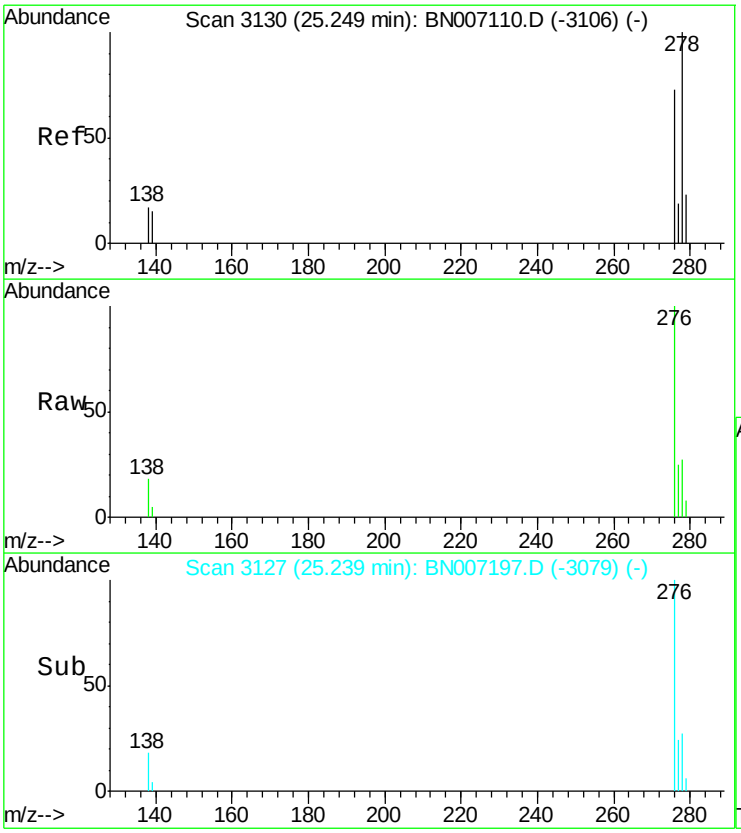
#35
Benzo(a)pyrene
Concen: 4.907 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 816675

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	9.2	8.2	12.4

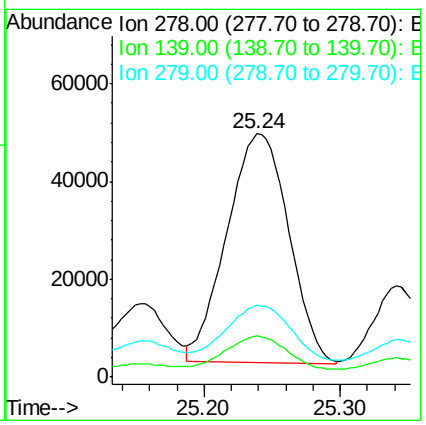


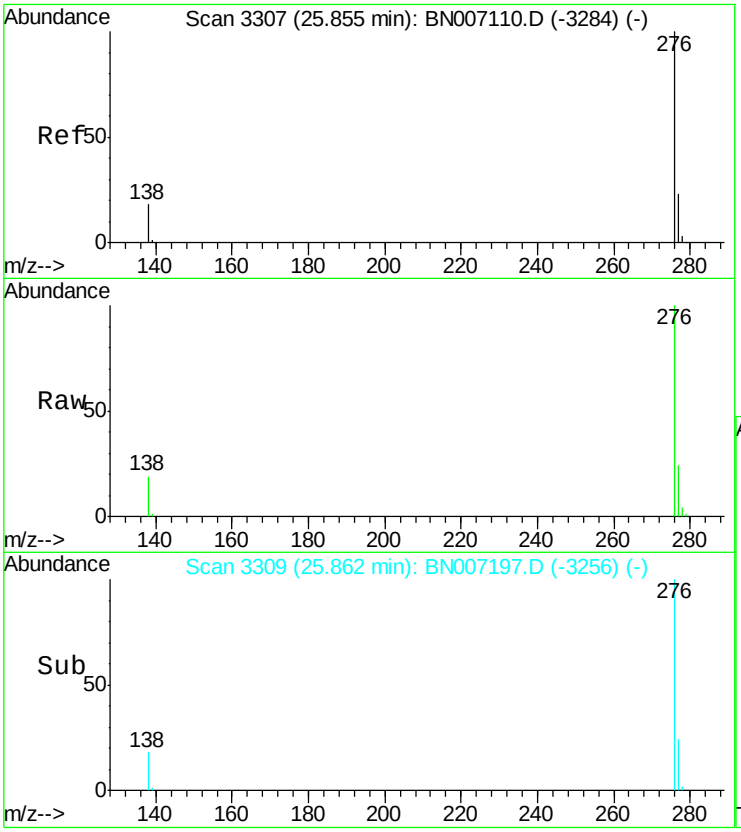


#36
Dibenzo(a,h)anthracene
Concen: 0.888 ng
RT: 25.24 min Scan# 3127
Delta R.T. -0.03 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Tgt Ion:278 Resp: 147405

Ion	Ratio	Lower	Upper
278	100		
139	16.8	11.3	16.9
279	29.6	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 3.410 ng
RT: 25.86 min Scan# 3309
Delta R.T. -0.02 min
Lab File: BN007197.D
Acq: 15 Aug 2019 15:34

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 582445

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.8	29.8
138	18.7	14.6	22.0