Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007132.D
Acq On : 13 Aug 2019 15:19
Operator : HP/JU
Sample : K4173-03
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : EXT-035-SW106-073119

Quant Time: Aug 14 03:37:58 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	9770	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	37882	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	21427	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	49876	0.40	ng		0.00
26) Chrysene-d12	21.05	240	48133	0.40	ng		-0.01
32) Perylene-d12	23.16	264	54111	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	9133	0.39	ng		0.00
4) Phenol-d6	6.61	99	12361	0.43	ng		0.00
7) Nitrobenzene-d5	8.56	82	10226	0.33	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	21848	0.31	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	4261	0.37	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	5303	0.17	ng		0.00
24) Fluoranthene-d10	18.87	212	47473	0.27	ng		0.00
28) Terphenyl-d14	19.49	244	38611	0.29	ng		0.00
Target Compounds							Qvalue
8) Naphthalene	10.24	128	10974	0.103	ng		97
11) 2-Methylnaphthalene	11.87	142	8437	0.112	ng		96
15) Acenaphthylene	13.79	152	64415	0.575	ng		99
16) Acenaphthene	14.13	154	5381	0.075	ng	#	85
17) Fluorene	15.14	166	13215	0.123	ng	#	79
22) Phenanthrene	16.87	178	215210	1.440	ng		100
23) Anthracene	16.95	178	51669	0.378	ng		97
25) Fluoranthene	18.90	202	393283	2.057	ng		99
27) Pyrene	19.26	202	494172	2.928	ng		97
29) Benzo(a)anthracene	21.03	228	290135m	1.648	ng		
30) Chrysene	21.08	228	303516	1.775	ng		96
31) Indeno(1,2,3-cd)pyrene	25.24	276	151995	0.806	ng		99
33) Benzo(b)fluoranthene	22.54	252	340533m	1.835	ng		
34) Benzo(k)fluoranthene	22.58	252	82423m	0.450	ng		
35) Benzo(a)pyrene	23.07	252	230309	1.369	ng		99
36) Dibenzo(a,h)anthracene	25.25	278	46252	0.276	ng	#	80
37) Benzo(g,h,i)perylene	25.87	276	154965	0.898	ng		98

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

Quantitation Report (QT Reviewed)

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EXT-035-SW106-073119

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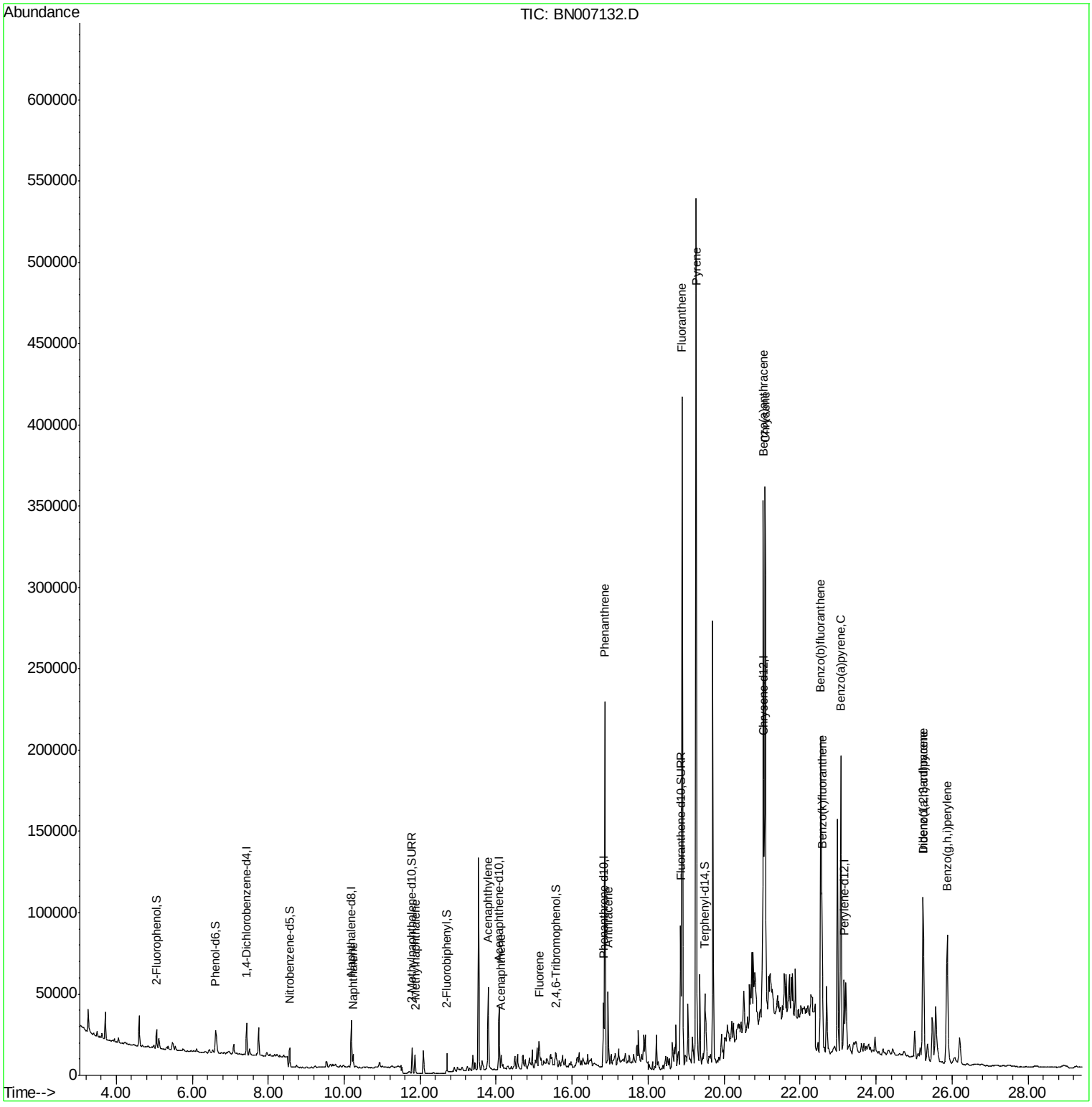
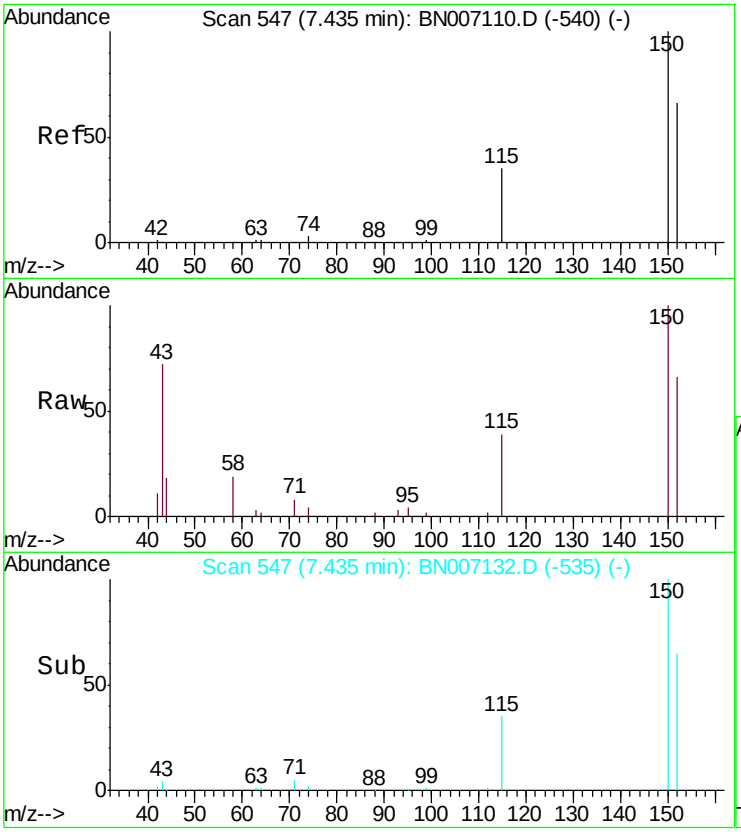
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration



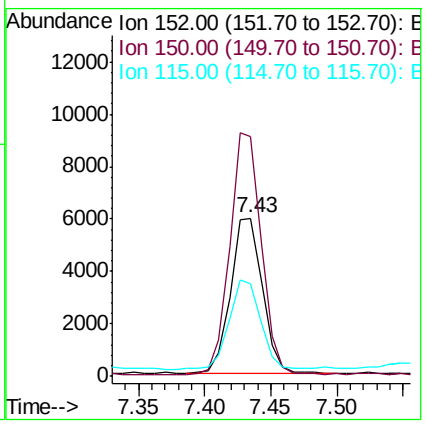


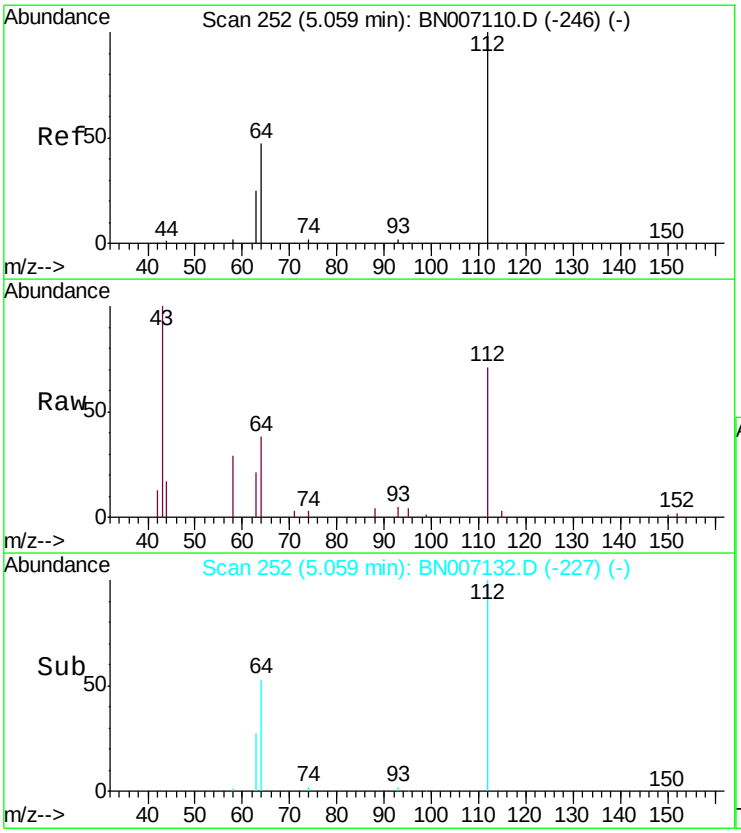
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:152 Resp: 9770

Ion	Ratio	Lower	Upper
152	100		
150	151.2	121.7	182.5
115	58.5	46.2	69.4

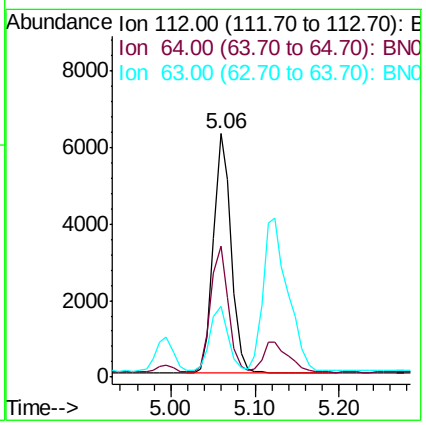


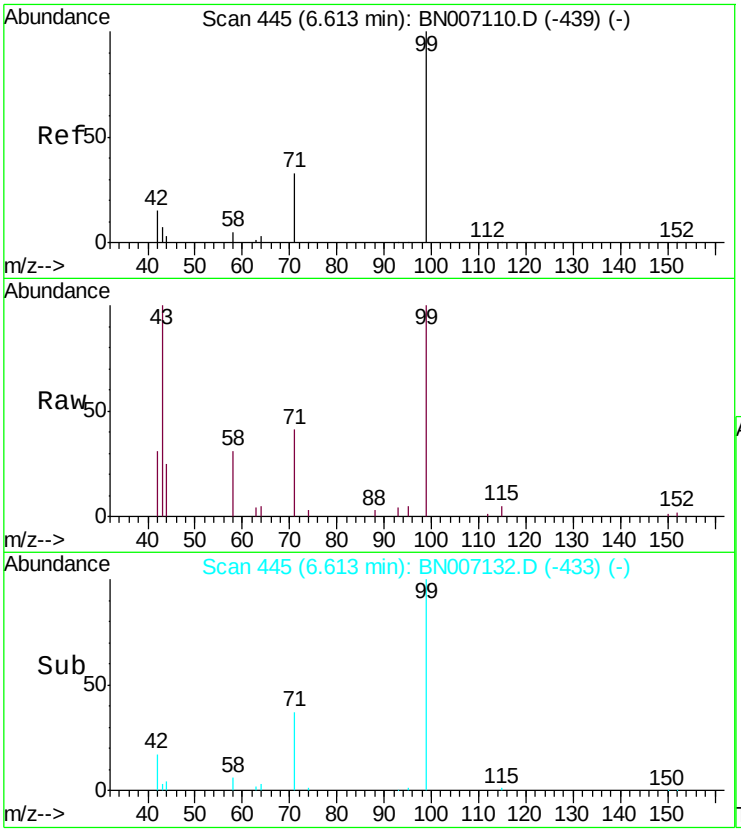


#3
2-Fluorophenol
Concen: 0.389 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:112 Resp: 9133

Ion	Ratio	Lower	Upper
112	100		
64	51.9	42.6	63.8
63	27.4	22.2	33.2



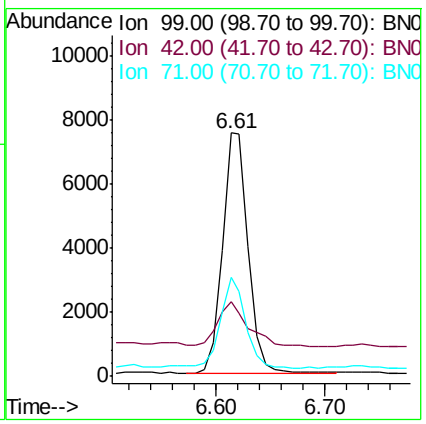


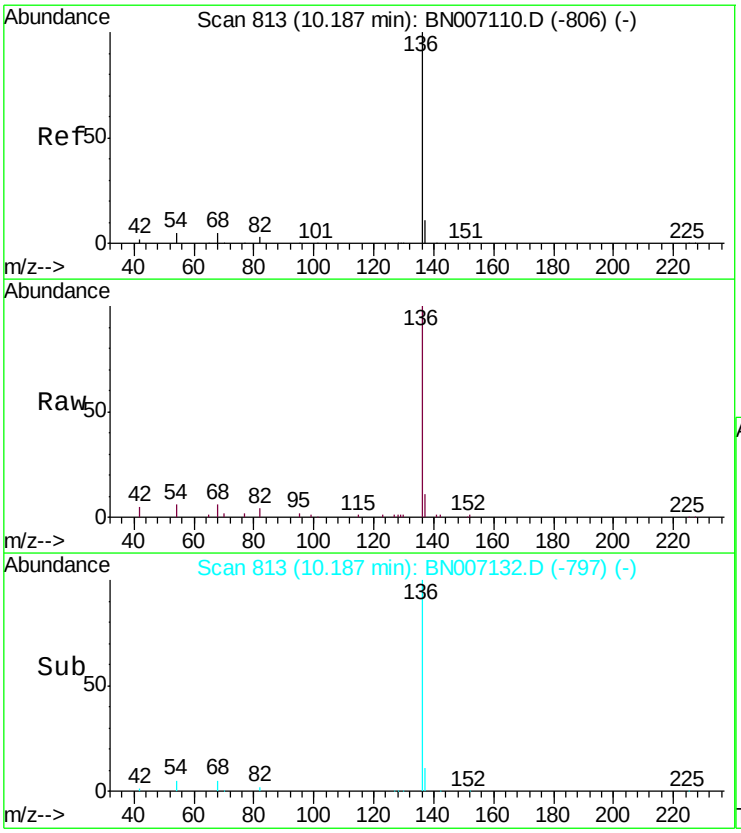
#4
Phenol-d6
Concen: 0.425 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion: 99 Resp: 12361

Ion	Ratio	Lower	Upper
99	100		
42	22.4	15.8	23.6
71	37.5	27.0	40.4

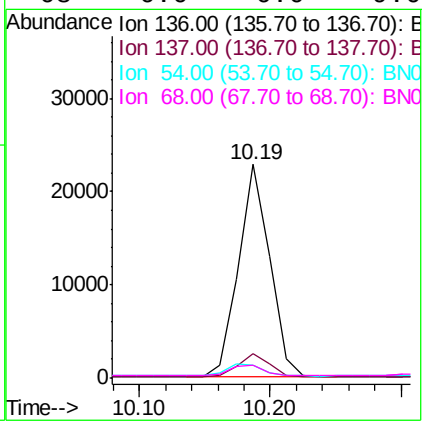


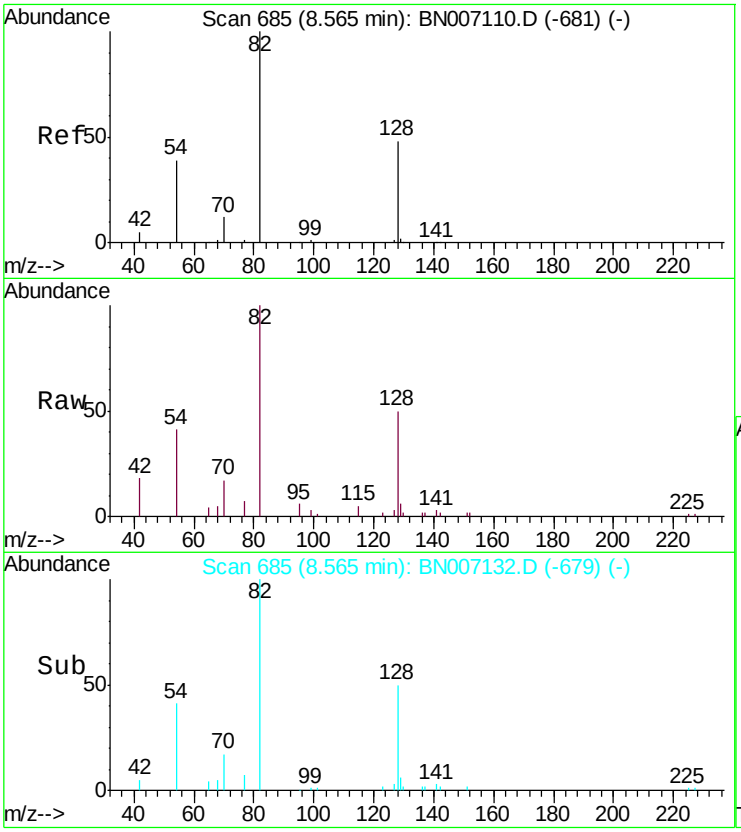


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:136 Resp: 37882

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.4	14.0
54	6.2	6.6	9.8#
68	6.0	6.0	9.0



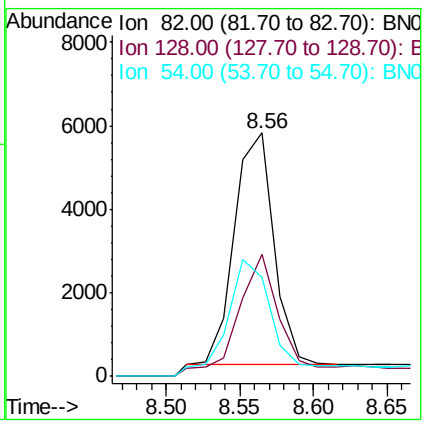


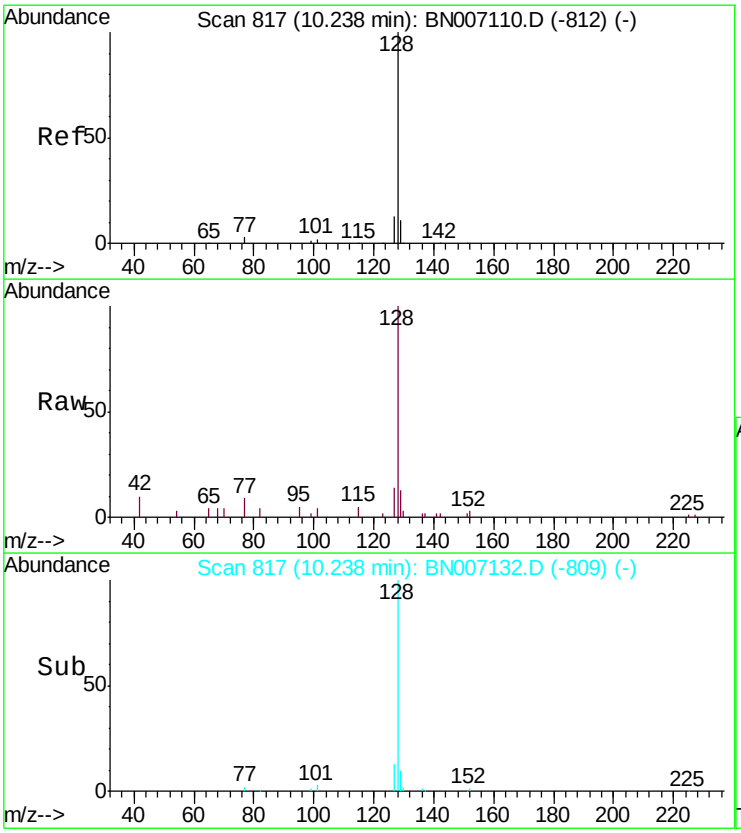
#7
Nitrobenzene-d5
Concen: 0.335 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion: 82 Resp: 10226

Ion	Ratio	Lower	Upper
82	100		
128	50.3	34.6	51.8
54	40.9	36.2	54.4

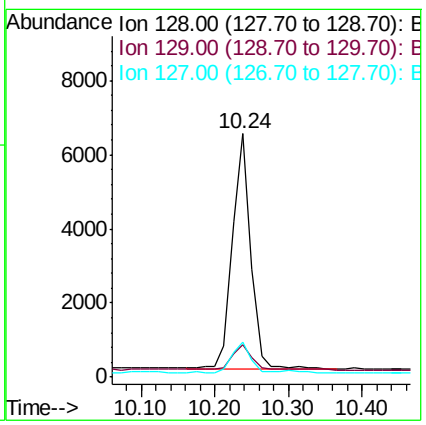


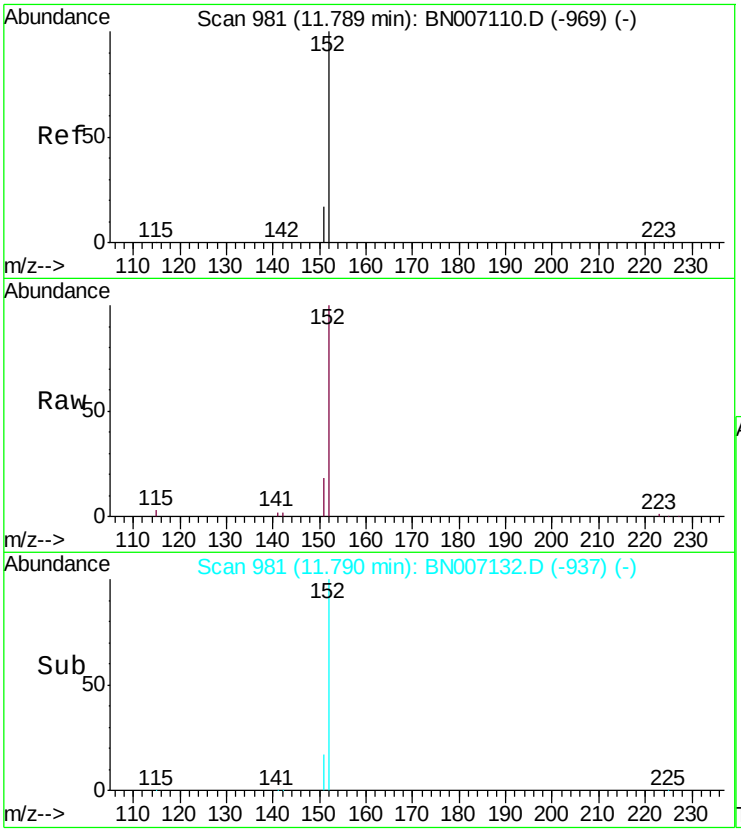


#8
Naphthalene
Concen: 0.103 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:128 Resp: 10974

Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.4	14.2
127	14.3	11.0	16.6



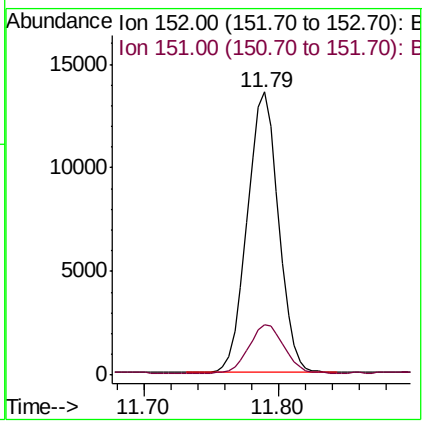


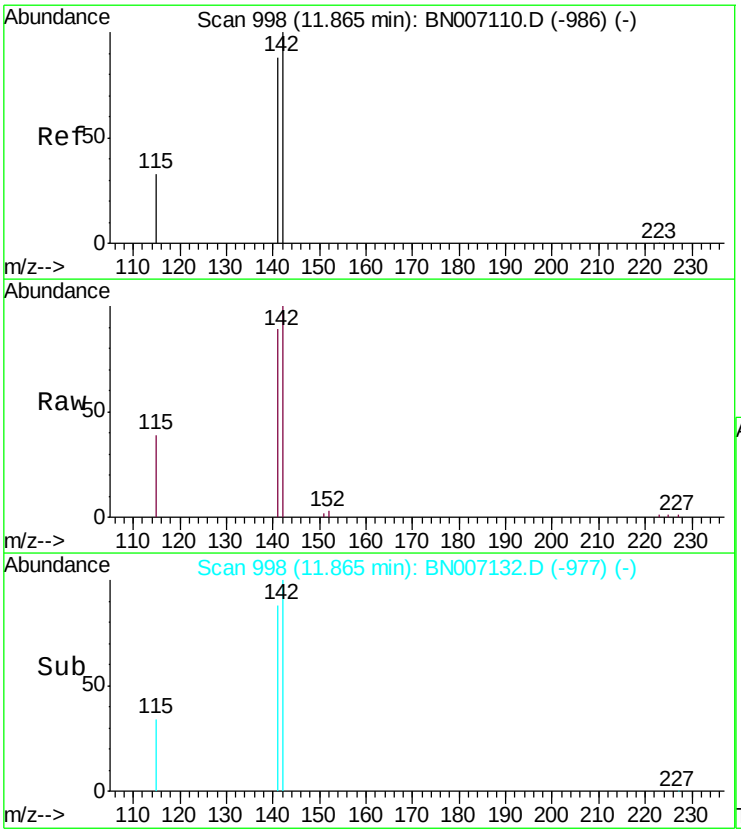
#10
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:152 Resp: 21848

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.5	23.3

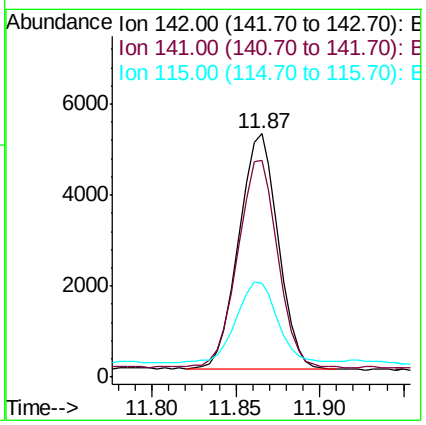


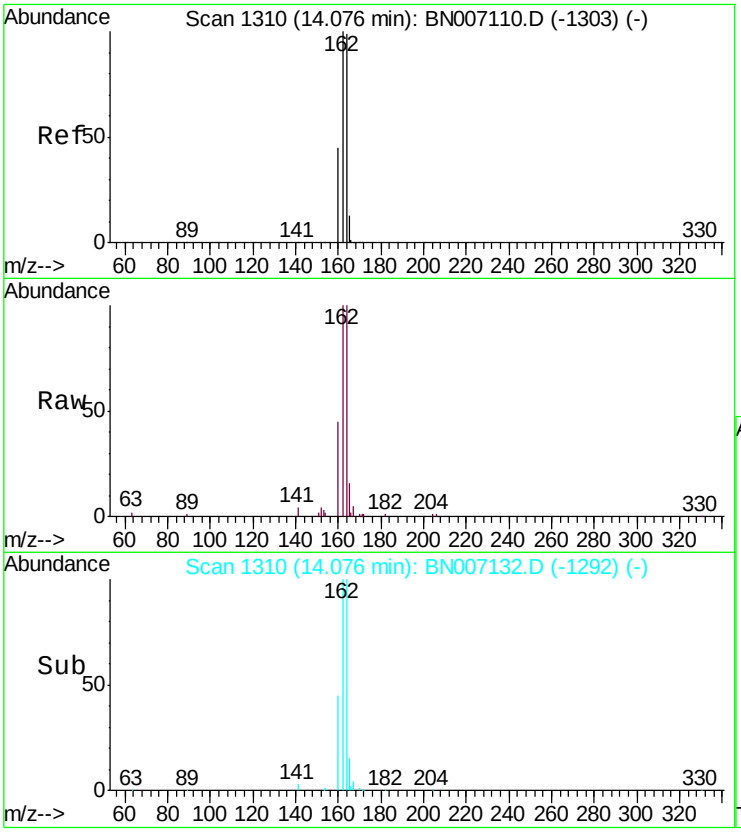


#11
2-Methylnaphthalene
Concen: 0.112 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:142 Resp: 8437

Ion	Ratio	Lower	Upper
142	100		
141	89.0	69.0	103.6
115	38.7	27.1	40.7



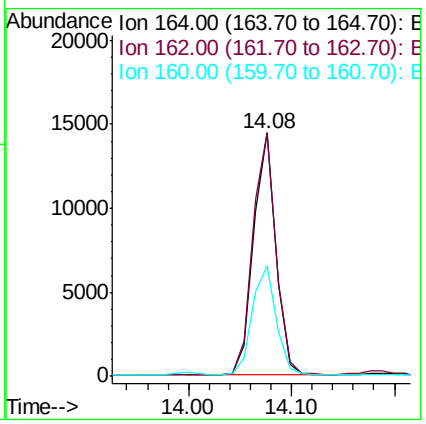


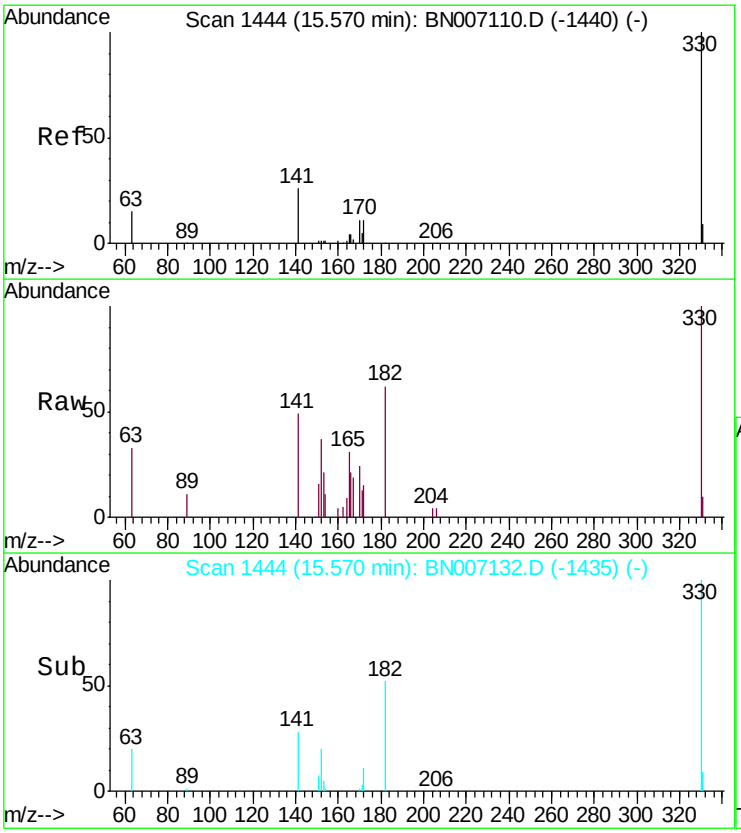
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:164 Resp: 21427

Ion	Ratio	Lower	Upper
164	100		
162	100.2	82.2	123.4
160	45.4	38.3	57.5

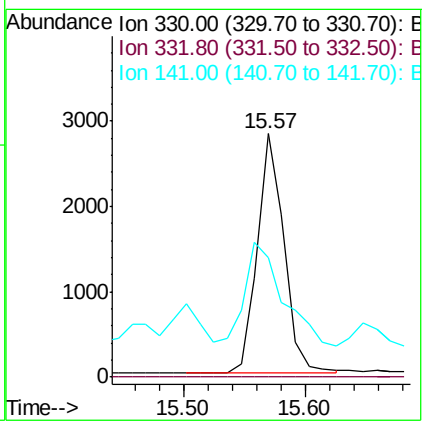


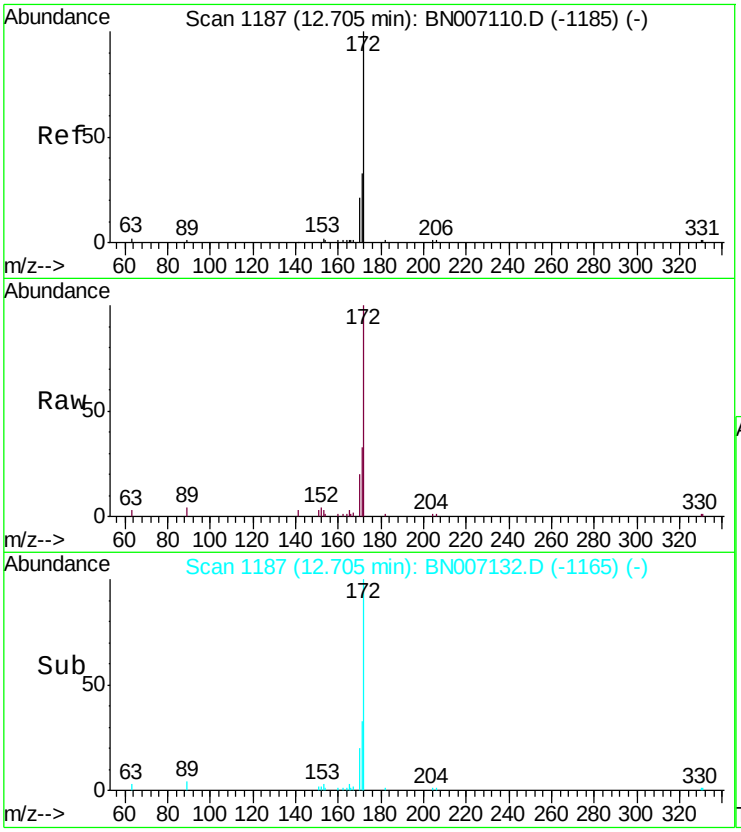


#13
2,4,6-Tribromophenol
Concen: 0.369 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:330 Resp: 4261

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	62.1	33.6	50.4#



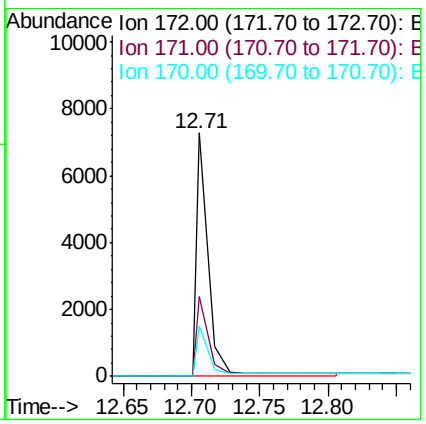


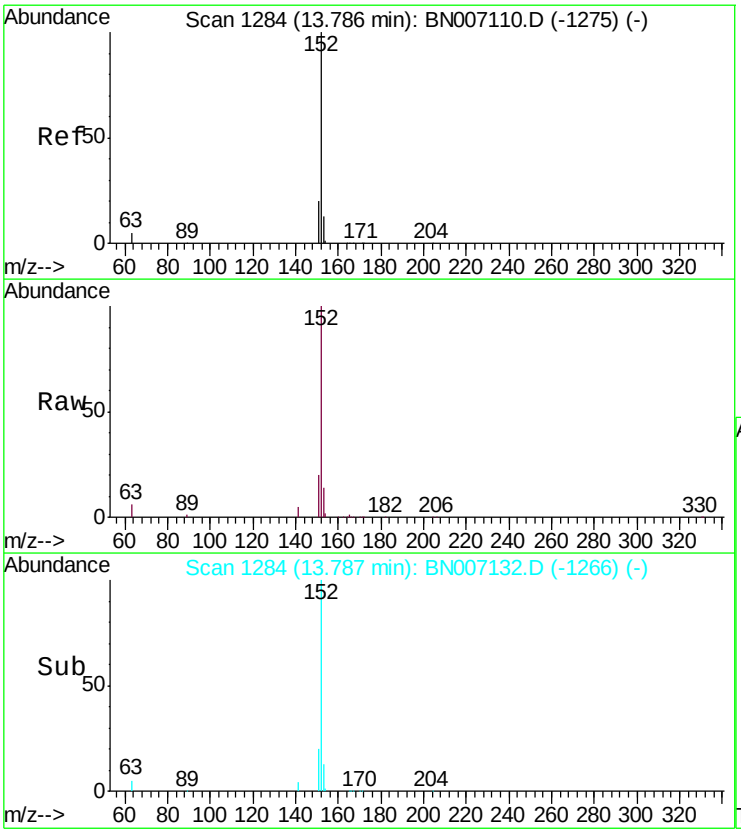
#14
2-Fluorobiphenyl
Concen: 0.170 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:172 Resp: 5303

Ion	Ratio	Lower	Upper
172	100		
171	32.6	26.3	39.5
170	20.4	17.0	25.4

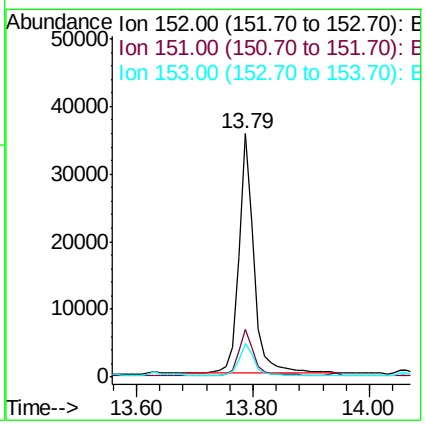


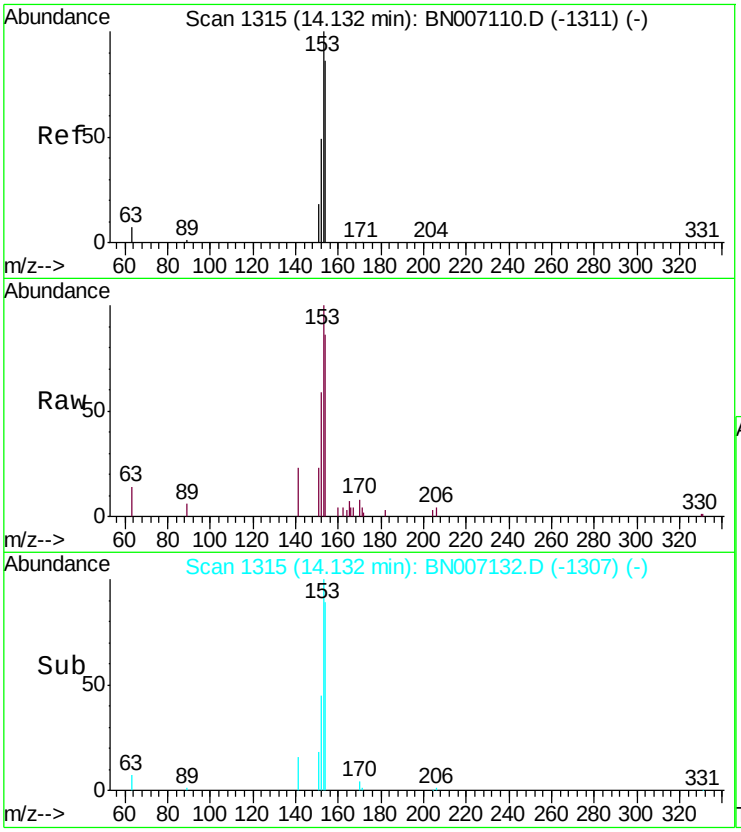


#15
Acenaphthylene
Concen: 0.575 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:152 Resp: 64415

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.2	10.4	15.6



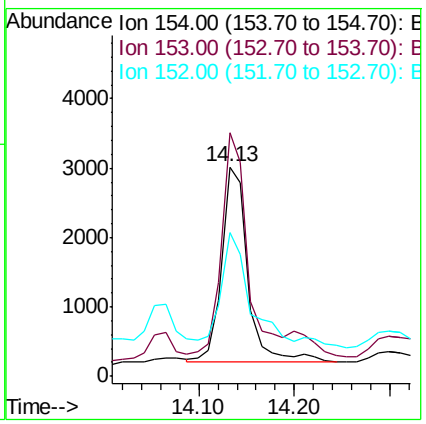


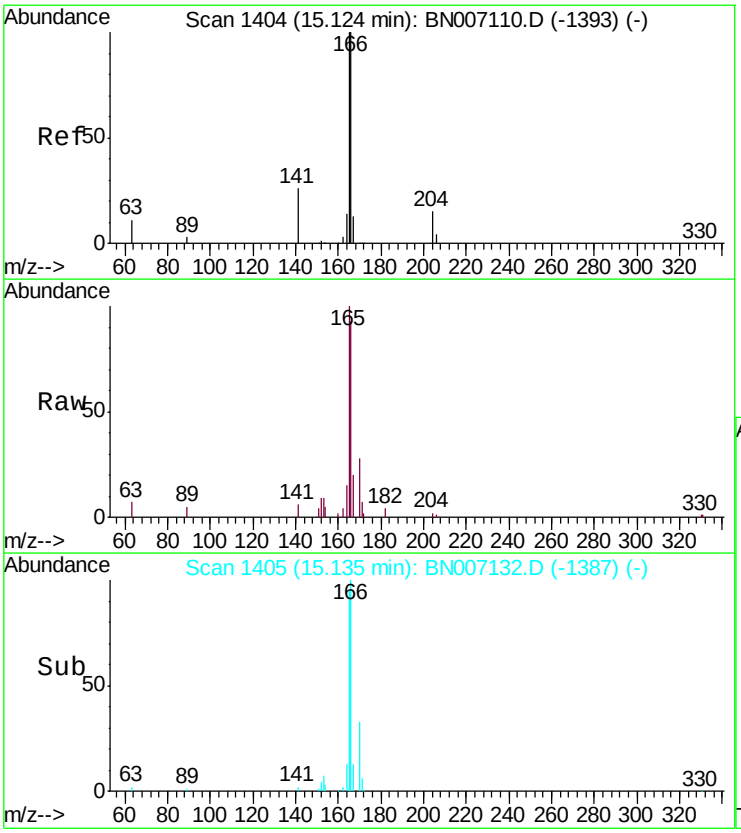
#16
Acenaphthene
Concen: 0.075 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:154 Resp: 5381

Ion	Ratio	Lower	Upper
154	100		
153	126.5	89.5	134.3
152	69.6	44.8	67.2#

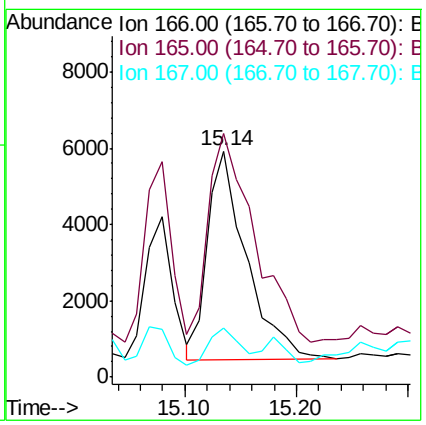


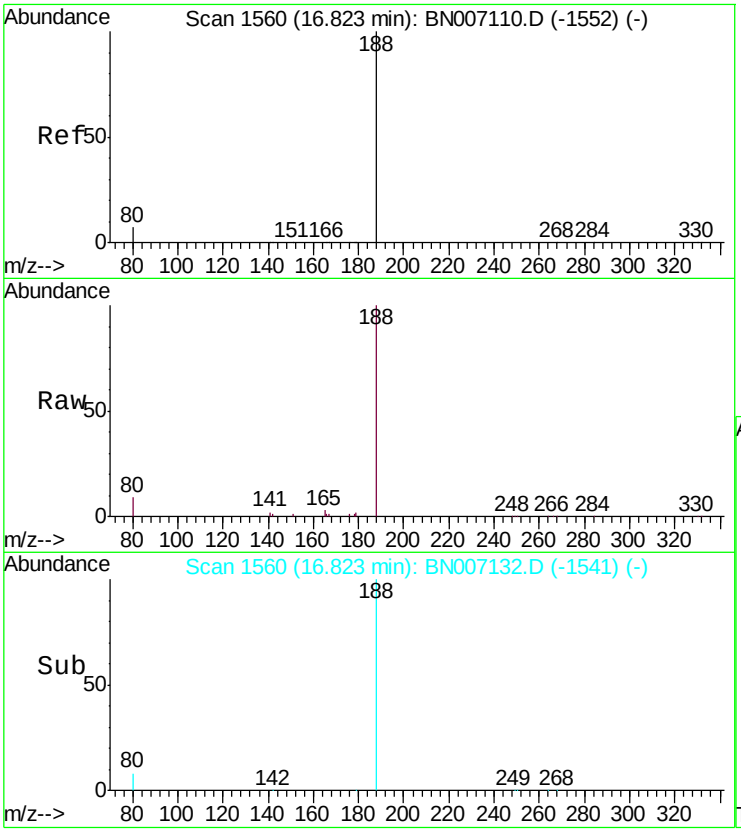


#17
Fluorene
Concen: 0.123 ng
RT: 15.14 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:166 Resp: 13215

Ion	Ratio	Lower	Upper
166	100		
165	120.4	77.9	116.9#
167	13.9	10.9	16.3



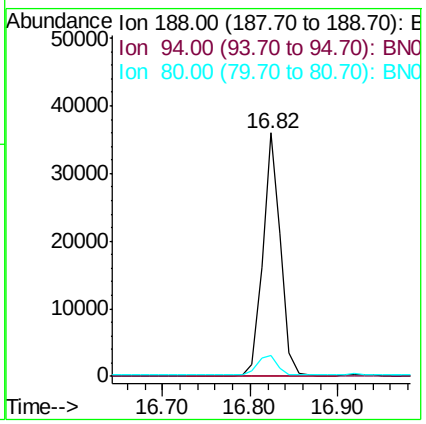


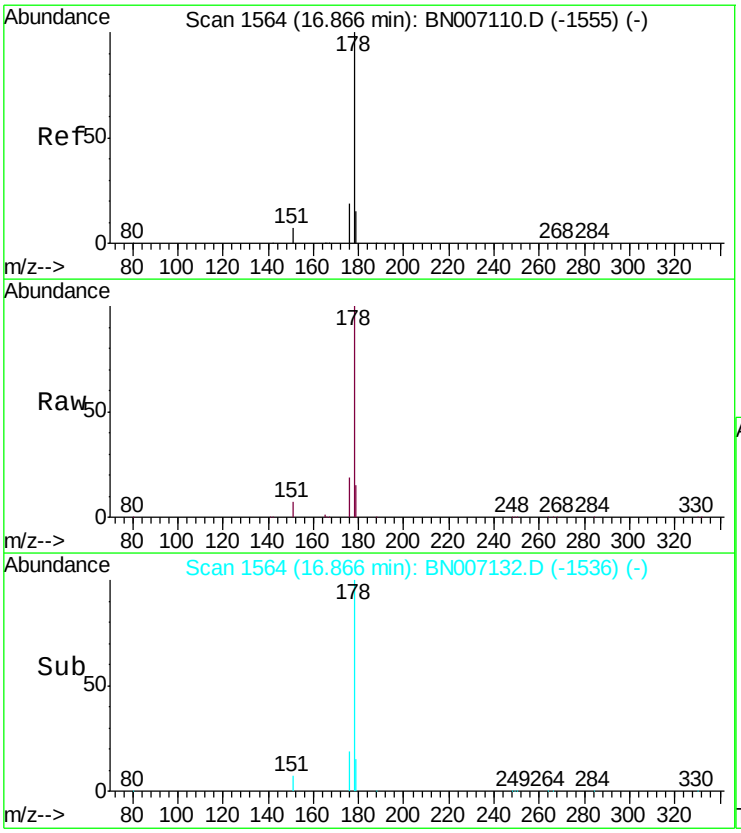
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:188 Resp: 49876

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	7.8	11.6

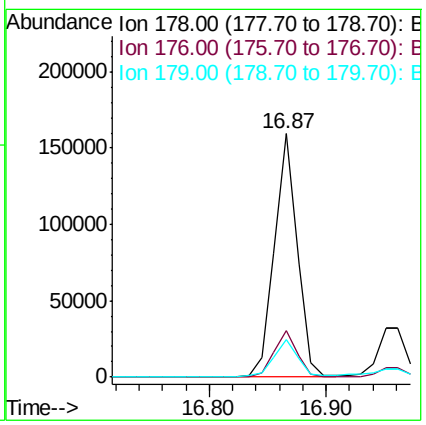


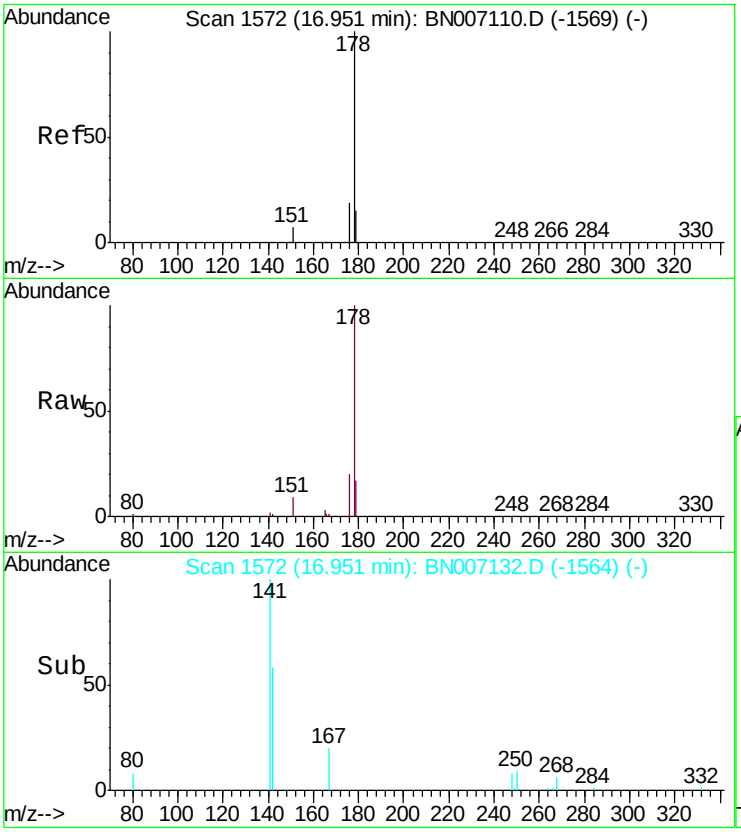


#22
Phenanthrene
Concen: 1.440 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:178 Resp: 215210

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



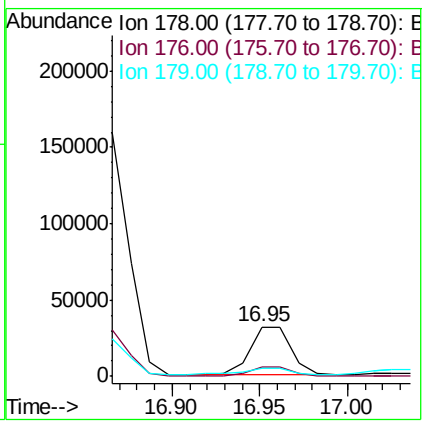


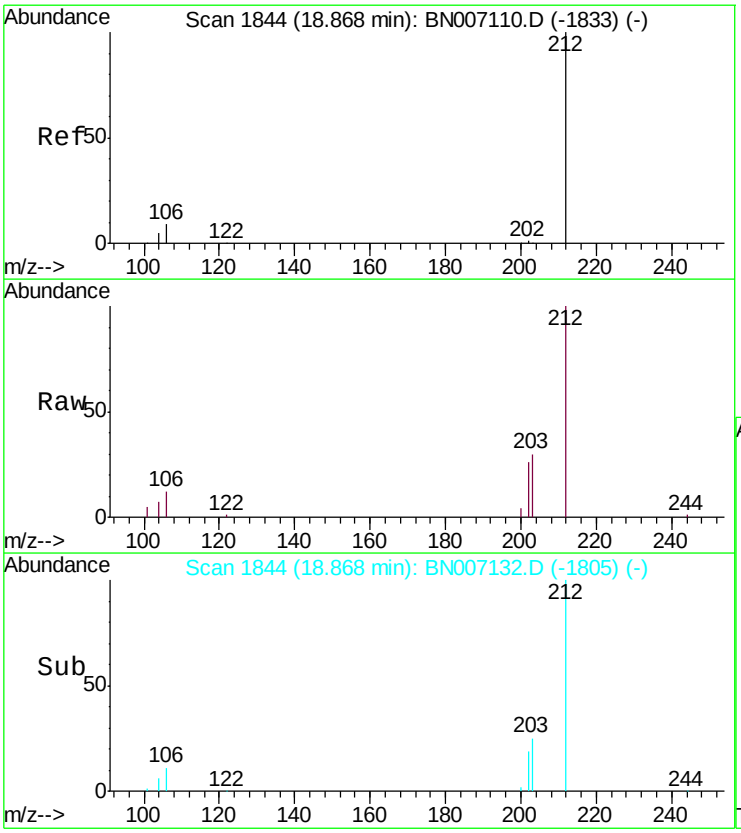
#23
Anthracene
Concen: 0.378 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:178 Resp: 51669

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	18.3	12.5	18.7

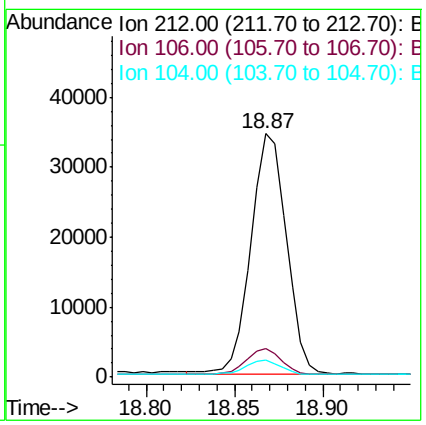


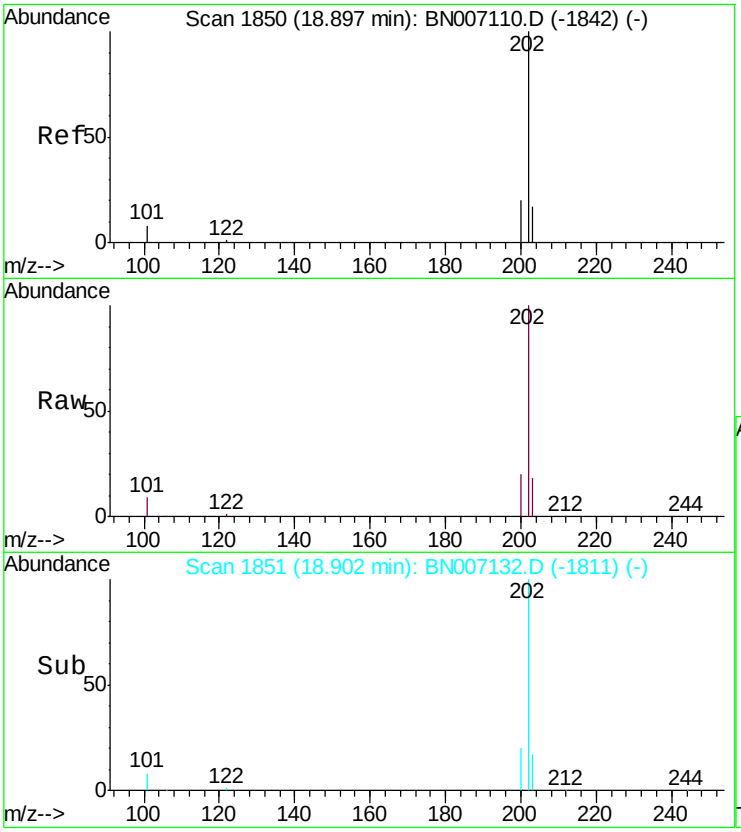


#24
Fluoranthene-d10
Concen: 0.268 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:212 Resp: 47473

Ion	Ratio	Lower	Upper
212	100		
106	10.7	8.2	12.2
104	6.3	4.5	6.7



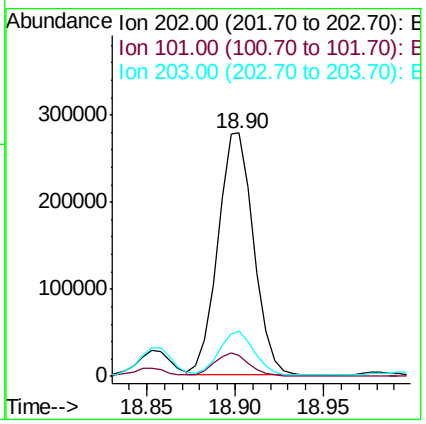


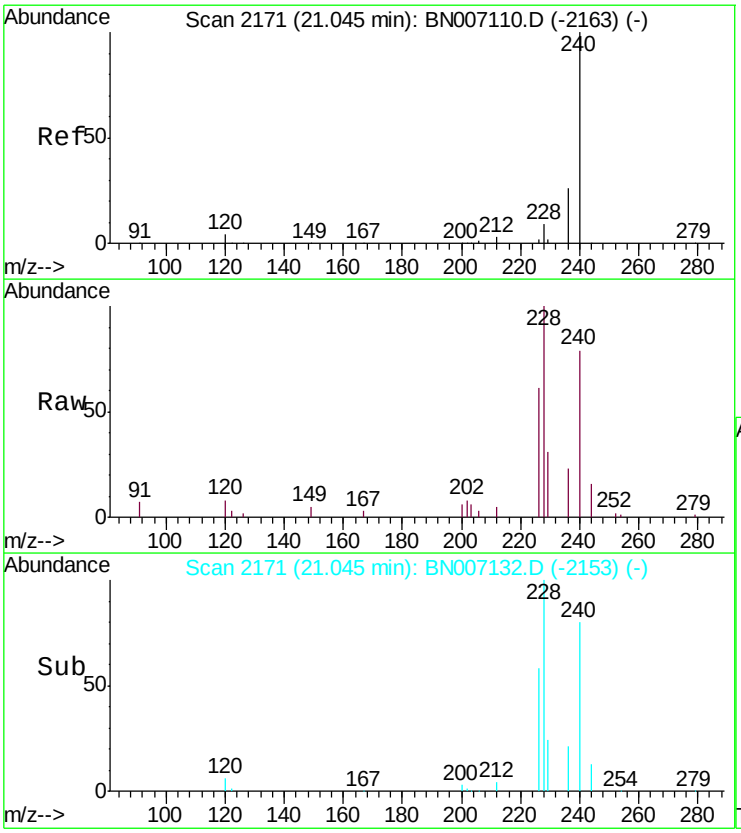
#25
Fluoranthene
Concen: 2.057 ng
RT: 18.90 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:202 Resp: 393283

Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.0	10.4
203	17.5	13.8	20.8

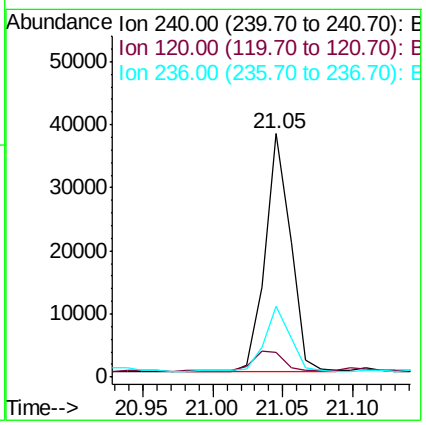


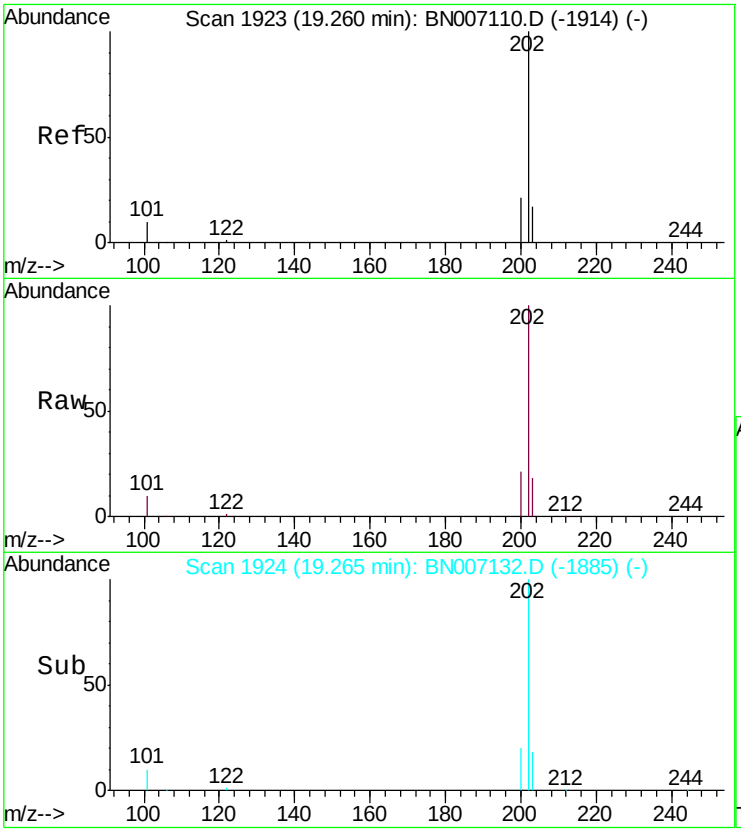


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:240 Resp: 48133

Ion	Ratio	Lower	Upper
240	100		
120	10.4	4.0	6.0#
236	29.1	21.3	31.9



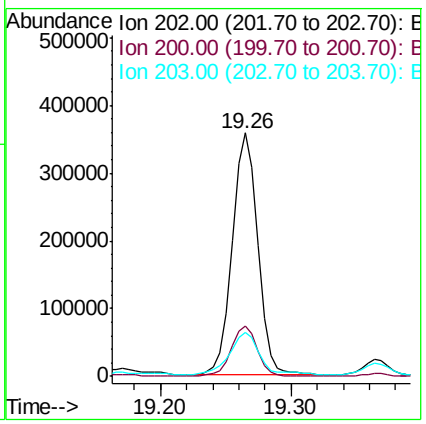


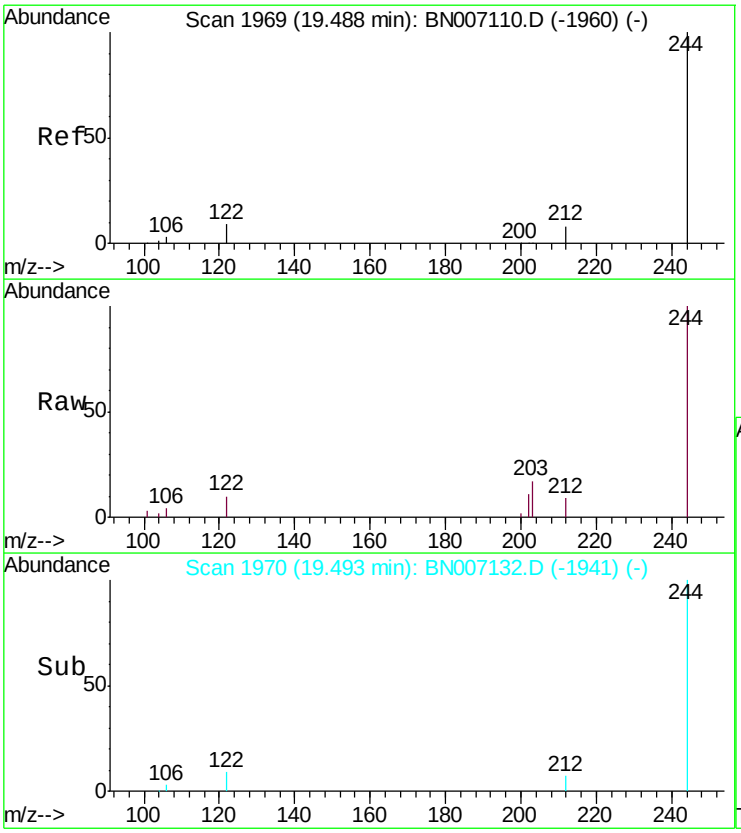
#27
Pyrene
Concen: 2.928 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:202 Resp: 494172

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	24.8
203	20.1	14.0	21.0

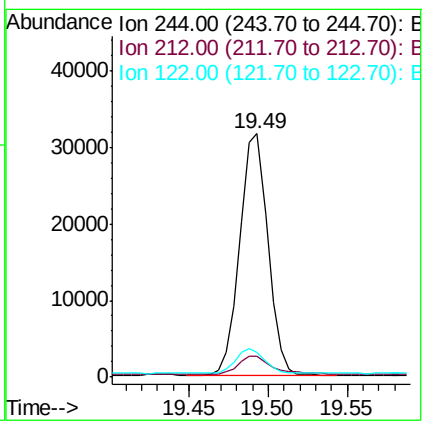


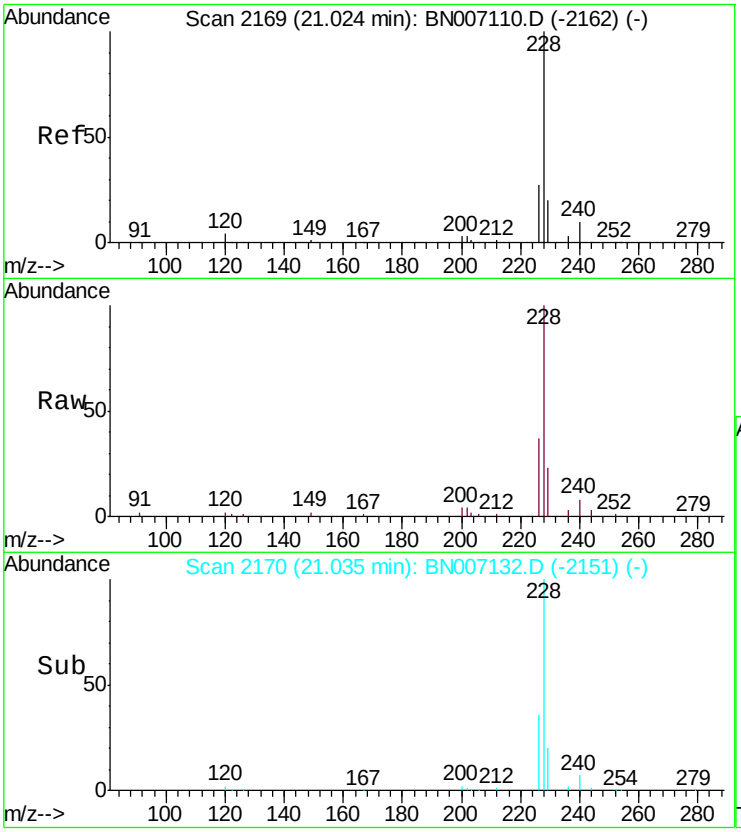


#28
Terphenyl-d14
Concen: 0.294 ng
RT: 19.49 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:244 Resp: 38611

Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.2	9.2
122	10.1	7.4	11.2



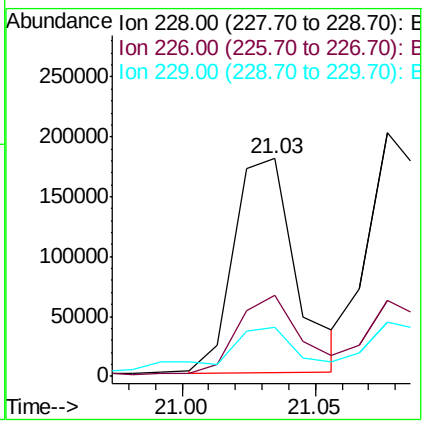


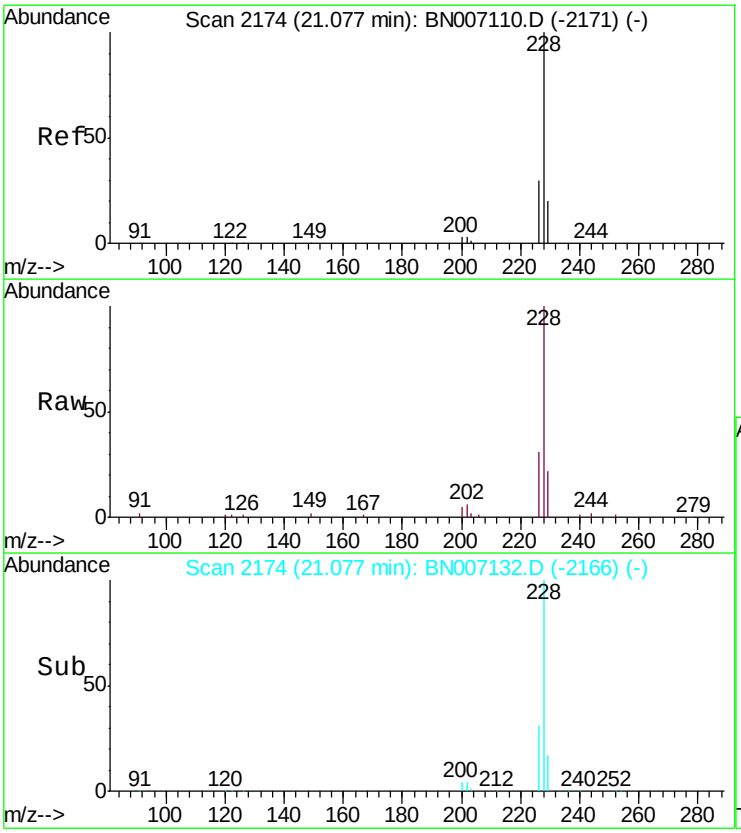
#29
Benzo(a)anthracene
Concen: 1.648 ng m
RT: 21.03 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:228 Resp: 290135

Ion	Ratio	Lower	Upper
228	100		
226	37.2	21.8	32.6#
229	22.8	15.6	23.4

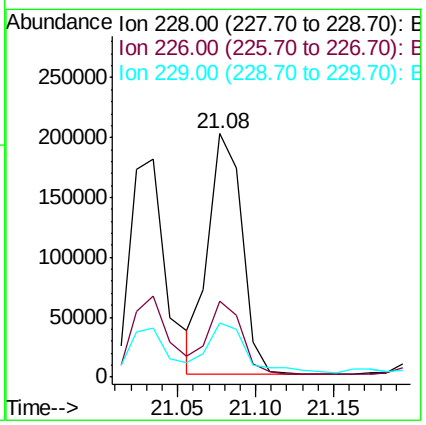


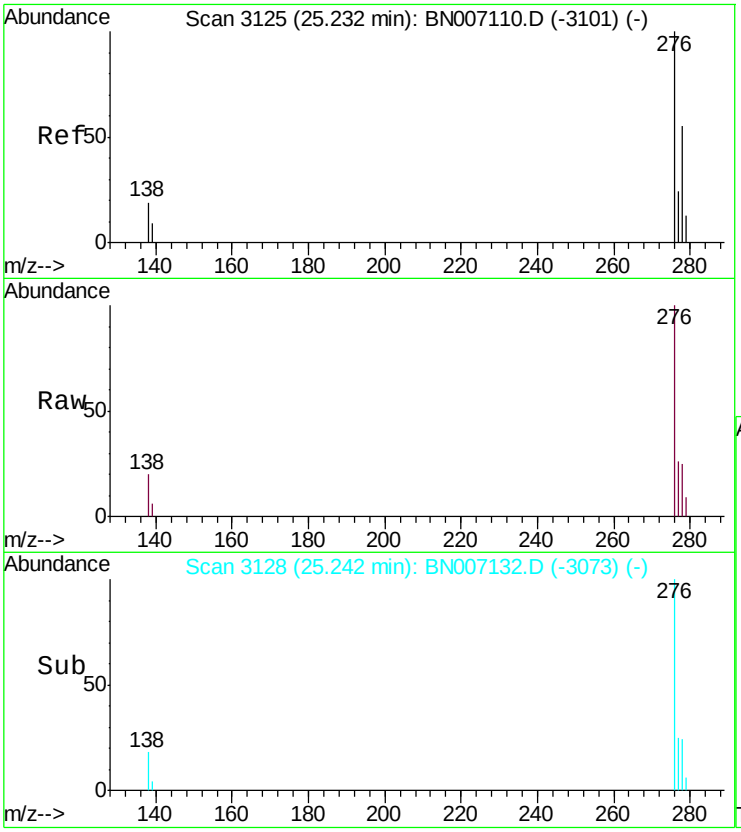


#30
Chrysene
Concen: 1.775 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:228 Resp: 303516

Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.8	35.6
229	22.2	15.7	23.5



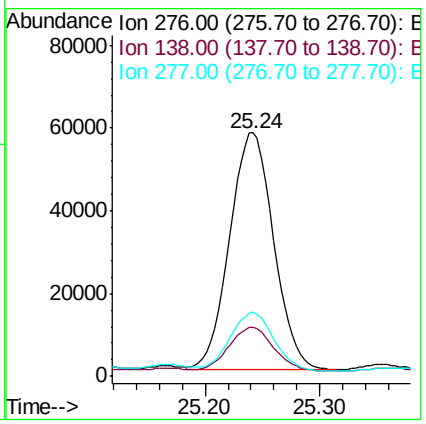


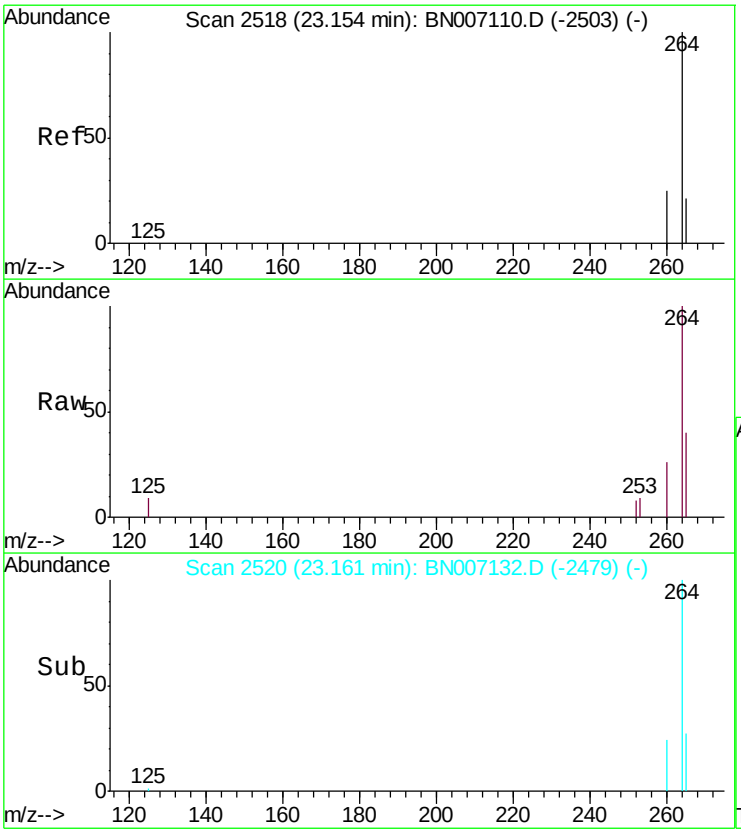
#31
Indeno(1,2,3-cd)pyrene
Concen: 0.806 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:276 Resp: 151995

Ion	Ratio	Lower	Upper
276	100		
138	19.0	16.0	24.0
277	25.0	19.9	29.9

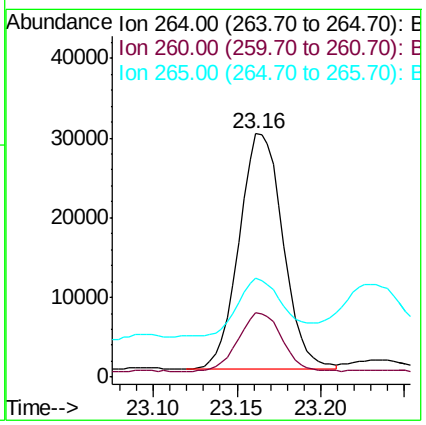


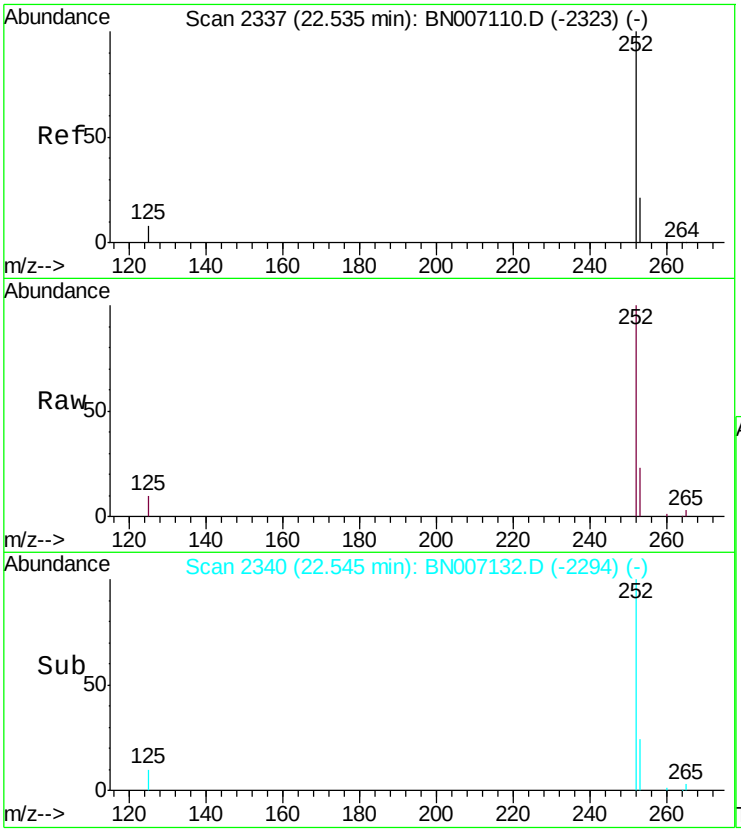


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:264 Resp: 54111

Ion	Ratio	Lower	Upper
264	100		
260	26.4	19.8	29.8
265	40.4	26.2	39.4#



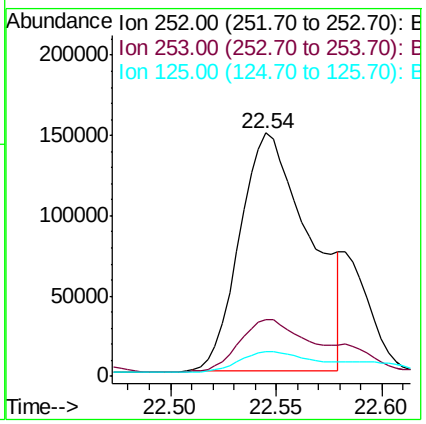


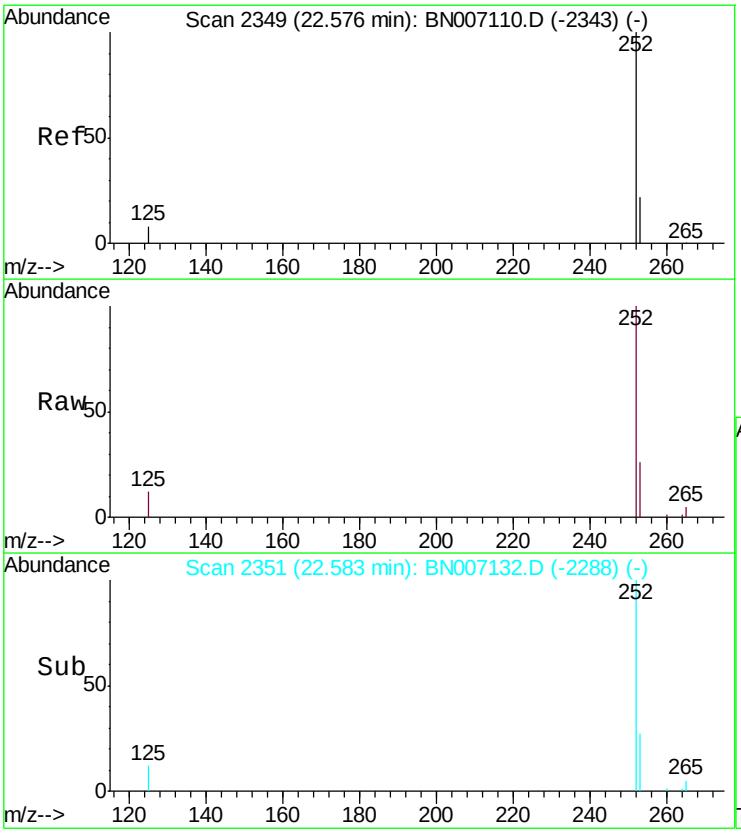
#33
Benzo(b)fluoranthene
Concen: 1.835 ng m
RT: 22.54 min Scan# 2340
Delta R.T. -0.00 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:252 Resp: 340533

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	10.1	7.4	11.0

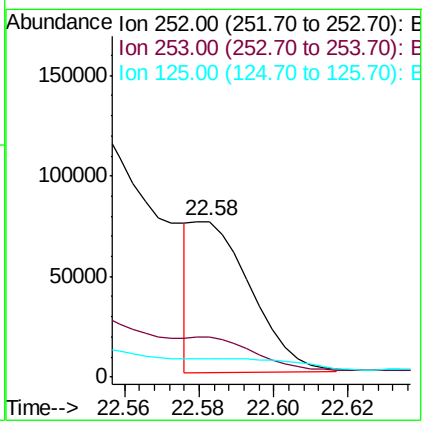


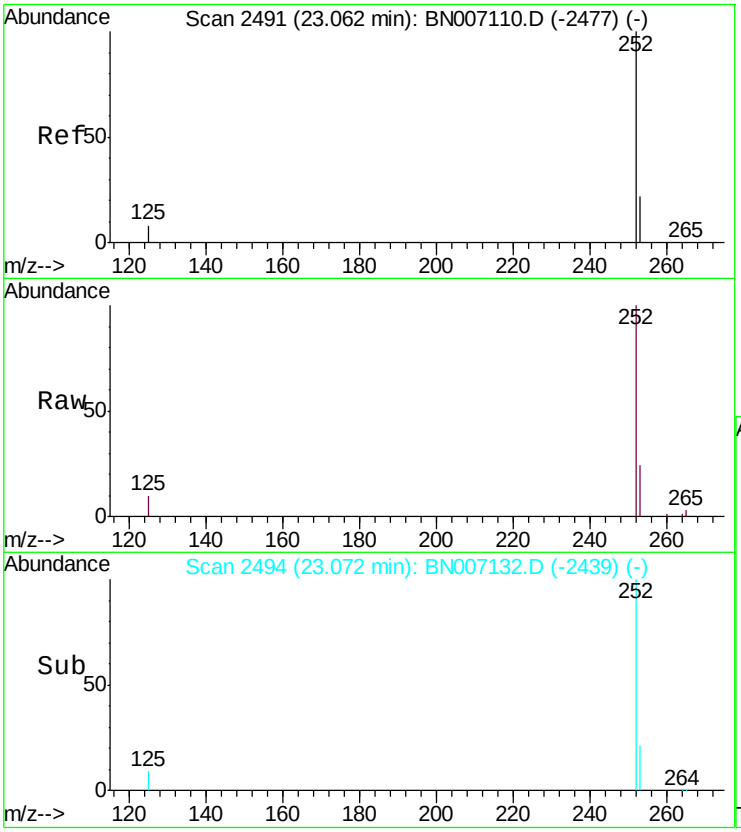


#34
Benzo(k)fluoranthene
Concen: 0.450 ng m
RT: 22.58 min Scan# 2351
Delta R.T. -0.01 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:252 Resp: 82423

Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.1	27.1
125	11.6	7.4	11.0#



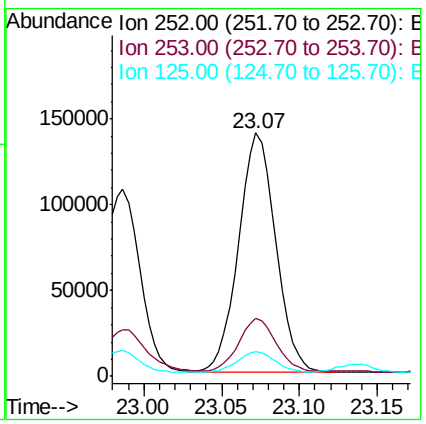


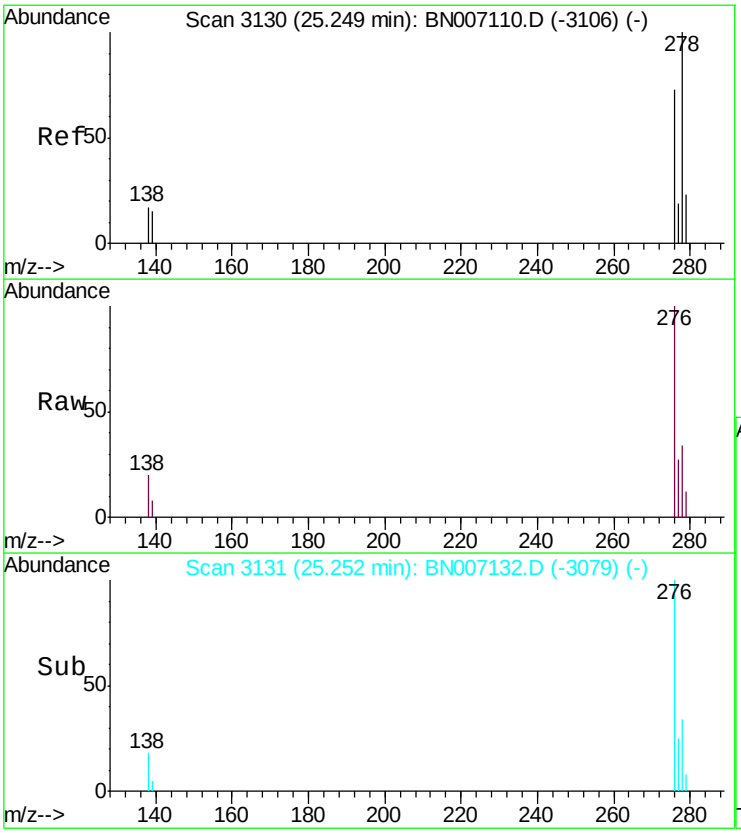
#35
Benzo(a)pyrene
Concen: 1.369 ng
RT: 23.07 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:252 Resp: 230309

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.5	27.7
125	10.4	8.2	12.4

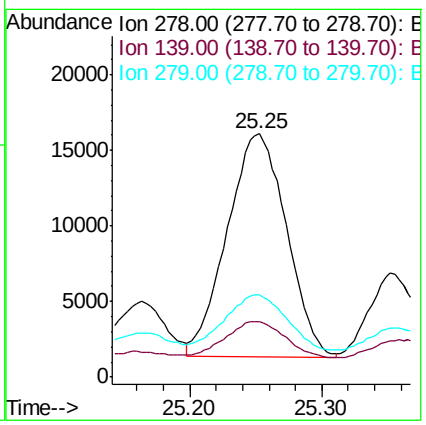


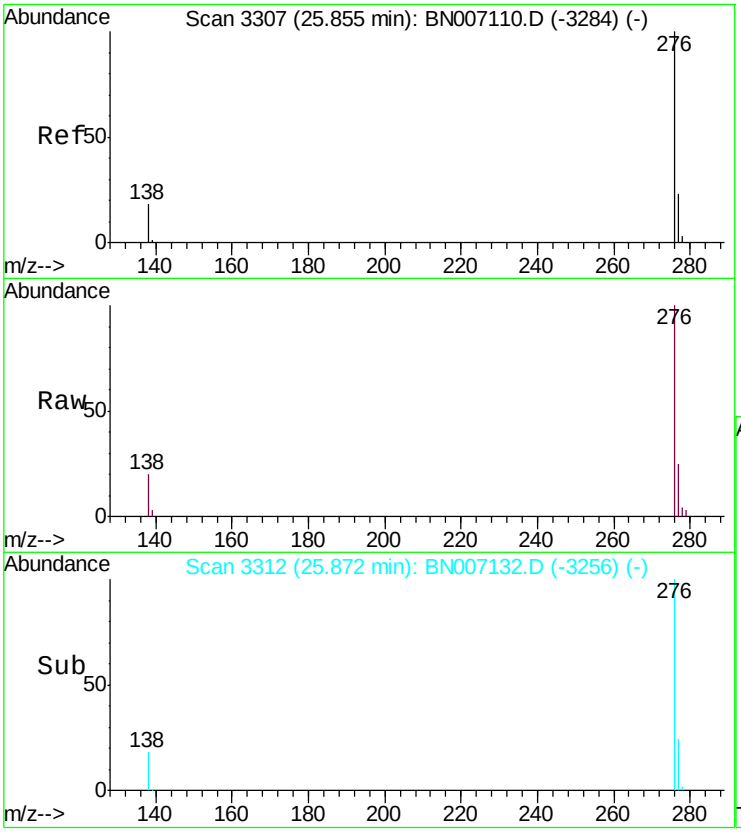


#36
Dibenzo(a,h)anthracene
Concen: 0.276 ng
RT: 25.25 min Scan# 3131
Delta R.T. -0.02 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Tgt Ion:278 Resp: 46252

Ion	Ratio	Lower	Upper
278	100		
139	22.6	11.3	16.9#
279	33.6	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 0.898 ng
RT: 25.87 min Scan# 3312
Delta R.T. -0.01 min
Lab File: BN007132.D
Acq: 13 Aug 2019 15:19

Instrument :
BNA_N
ClientSampleId :
EXT-035-SW106-073119

Tgt Ion:276 Resp: 154965

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.8	29.8
138	19.8	14.6	22.0