Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007164.D
Acq On : 14 Aug 2019 11:45
Operator : HP/JU
Sample : K4173-22
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : EXT-015-SW090-080119

Quant Time: Aug 14 13:16:50 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	9302	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	35919	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	20794	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	45633	0.40	ng		0.00
26) Chrysene-d12	21.05	240	43899	0.40	ng		-0.01
32) Perylene-d12	23.16	264	51821	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.07	112	5524	0.25	ng		0.00
4) Phenol-d6	6.62	99	7263	0.26	ng		0.00
7) Nitrobenzene-d5	8.56	82	5905	0.20	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	13152	0.20	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2321	0.21	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	3485	0.12	ng		0.00
24) Fluoranthene-d10	18.87	212	31621m	0.20	ng		0.00
28) Terphenyl-d14	19.49	244	25423	0.21	ng		0.00
Target Compounds							Qvalue
8) Naphthalene	10.24	128	27945	0.277	ng		99
11) 2-Methylnaphthalene	11.87	142	30782	0.431	ng		97
15) Acenaphthylene	13.79	152	262135	2.412	ng		99
16) Acenaphthene	14.14	154	31331	0.450	ng		94
17) Fluorene	15.13	166	80098	0.769	ng		85
22) Phenanthrene	16.87	178	1331259	9.734	ng		100
23) Anthracene	16.96	178	271468	2.173	ng		99
25) Fluoranthene	18.90	202	1292376	7.388	ng		98
27) Pyrene	19.26	202	2016139	13.096	ng		97
29) Benzo(a)anthracene	21.03	228	872586m	5.435	ng		
30) Chrysene	21.08	228	890364	5.708	ng		96
31) Indeno(1,2,3-cd)pyrene	25.25	276	428342	2.492	ng		99
33) Benzo(b)fluoranthene	22.54	252	817329	4.600	ng		99
34) Benzo(k)fluoranthene	22.58	252	255455m	1.456	ng		
35) Benzo(a)pyrene	23.07	252	692112	4.296	ng		99
36) Dibenzo(a,h)anthracene	25.26	278	125069	0.778	ng	#	85
37) Benzo(g,h,i)perylene	25.88	276	499211	3.019	ng		99

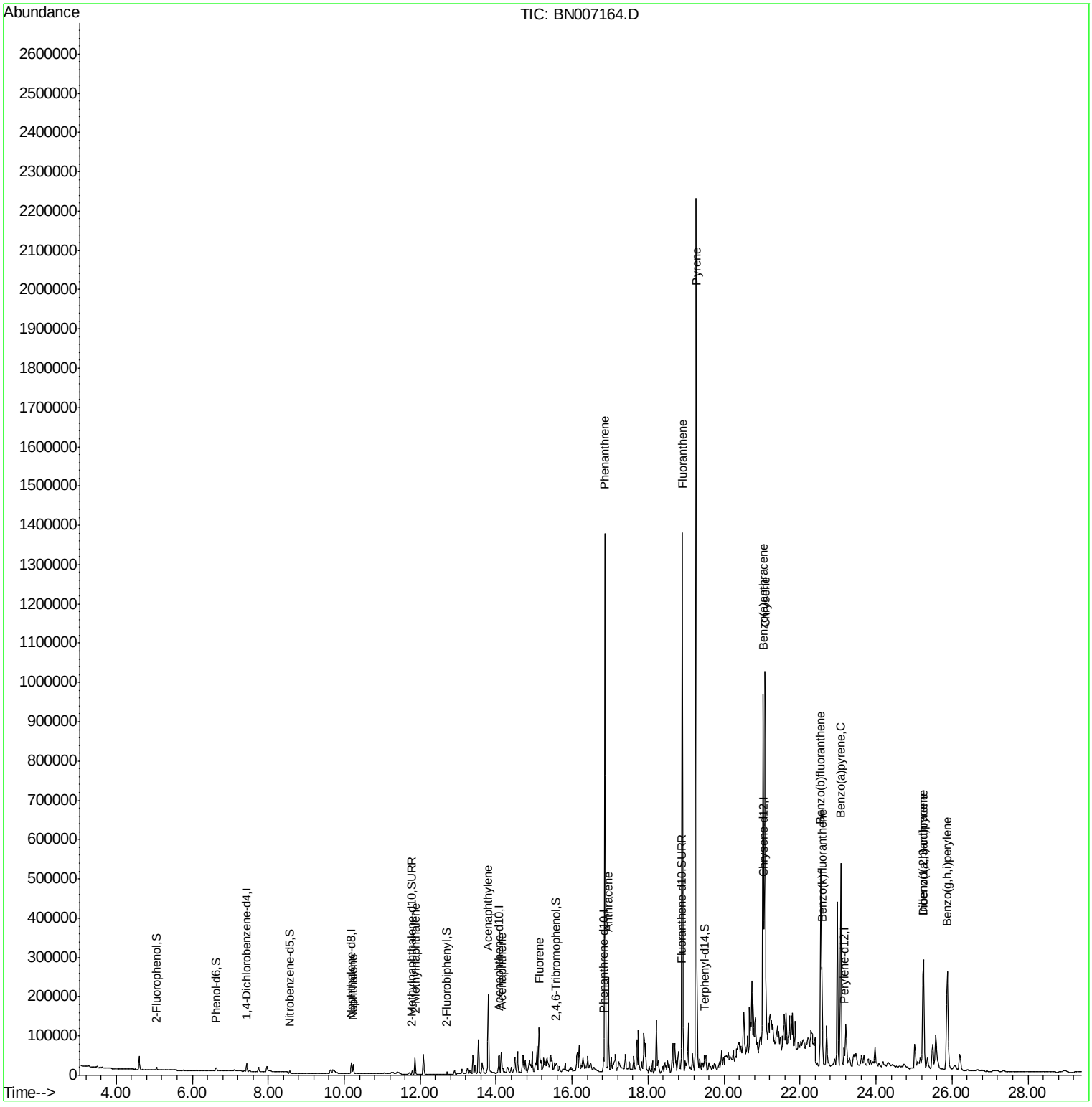
(#) = qualifier out of range (m) = manual integration (+) = signals summed

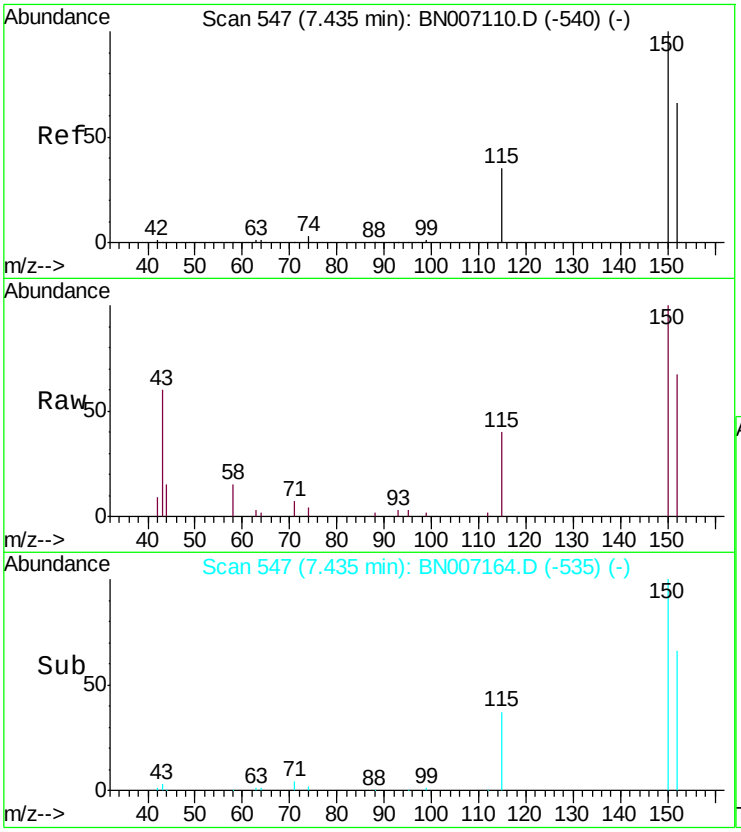
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007164.D
Acq On : 14 Aug 2019 11:45
Operator : HP/JU
Sample : K4173-22
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Quant Time: Aug 14 13:16:50 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



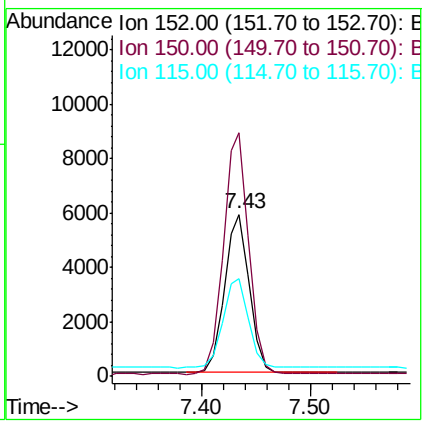


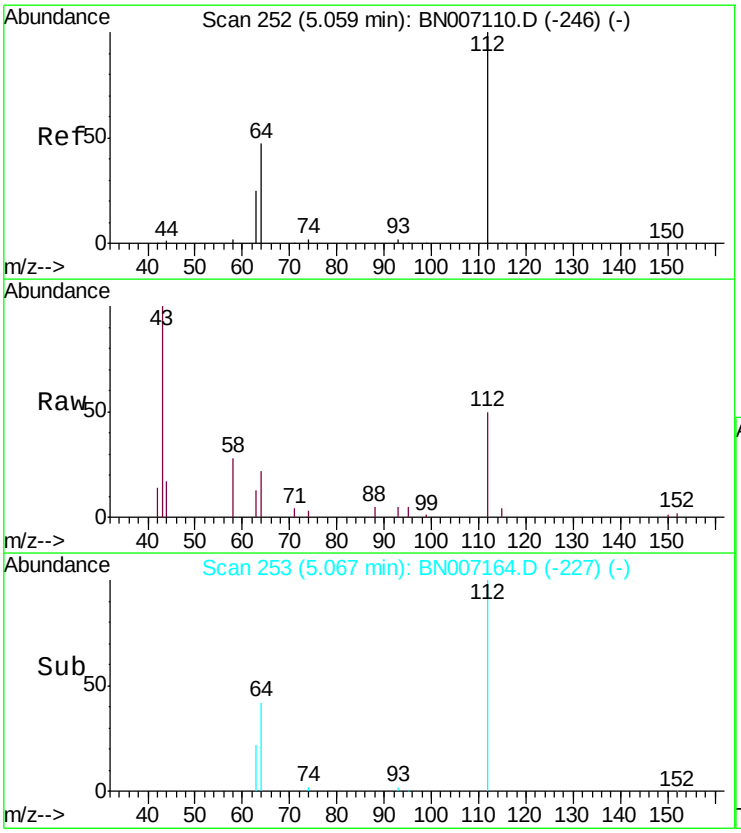
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:152 Resp: 9302

Ion	Ratio	Lower	Upper
152	100		
150	150.1	121.7	182.5
115	60.0	46.2	69.4

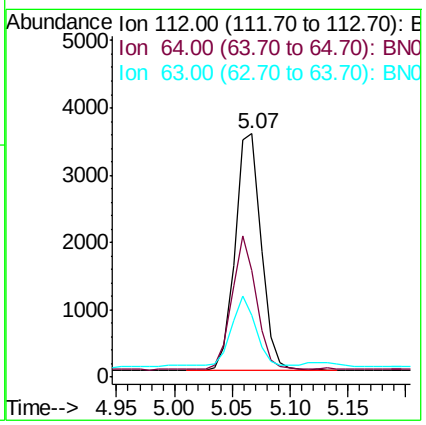


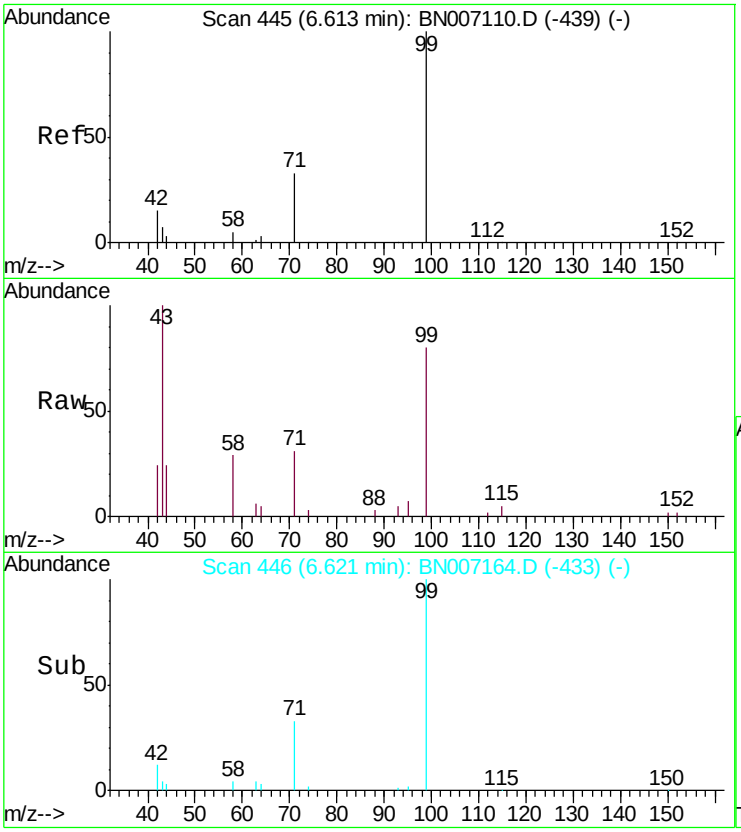


#3
2-Fluorophenol
Concen: 0.247 ng
RT: 5.07 min Scan# 253
Delta R.T. 0.01 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:112 Resp: 5524

Ion	Ratio	Lower	Upper
112	100		
64	51.7	42.6	63.8
63	28.1	22.2	33.2



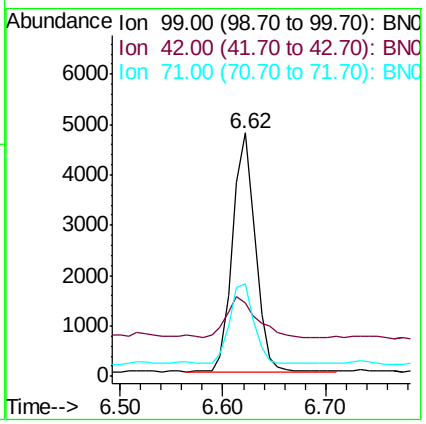


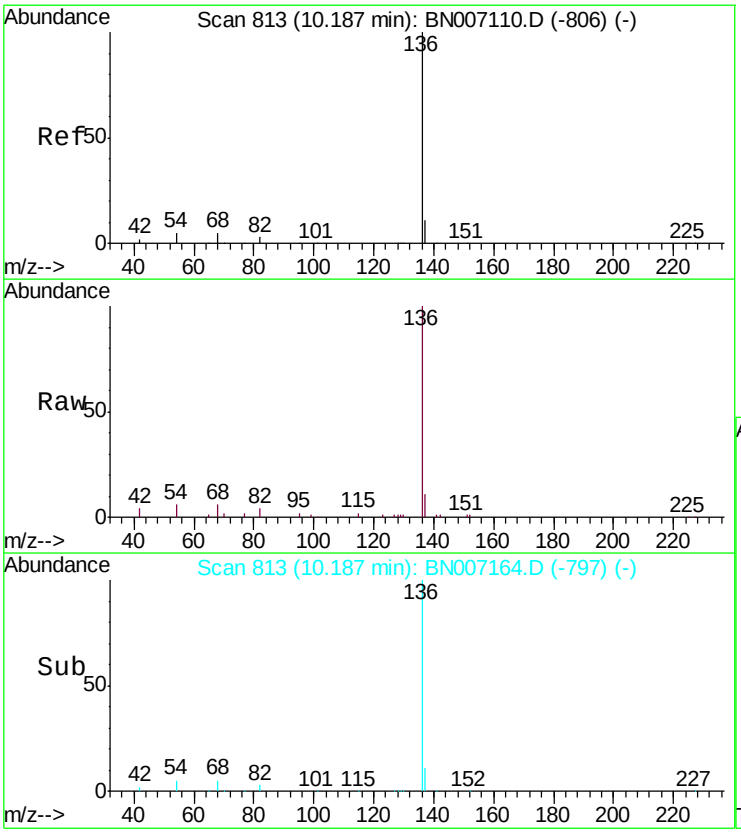
#4
Phenol-d6
Concen: 0.262 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion: 99 Resp: 7263

Ion	Ratio	Lower	Upper
99	100		
42	23.1	15.8	23.6
71	36.6	27.0	40.4

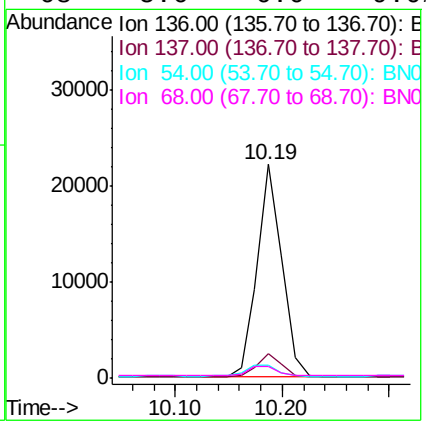


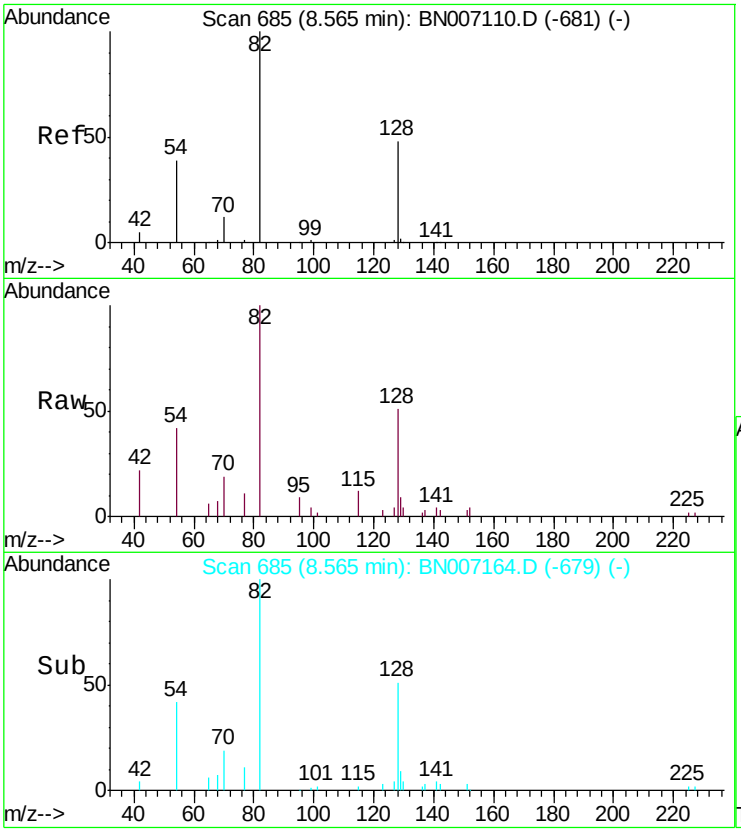


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:136 Resp: 35919

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	6.1	6.6	9.8#
68	5.6	6.0	9.0#



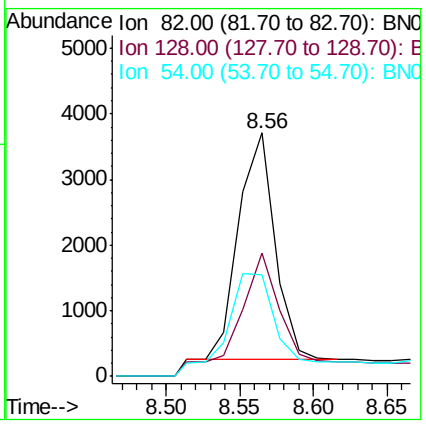


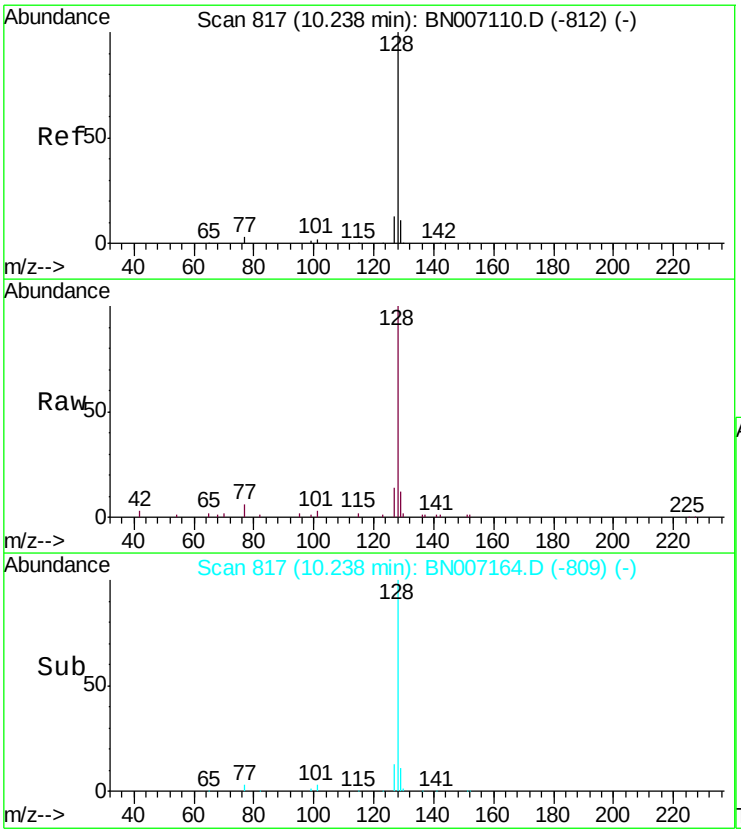
#7
Nitrobenzene-d5
Concen: 0.204 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion: 82 Resp: 5905

Ion	Ratio	Lower	Upper
82	100		
128	50.8	34.6	51.8
54	42.0	36.2	54.4

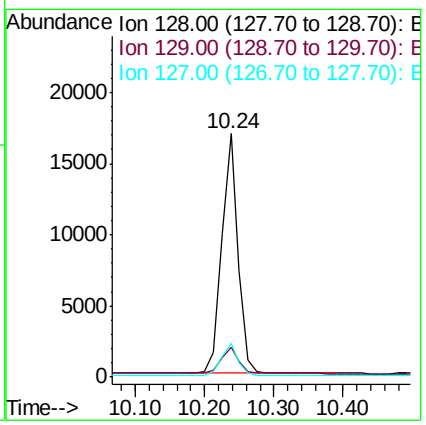


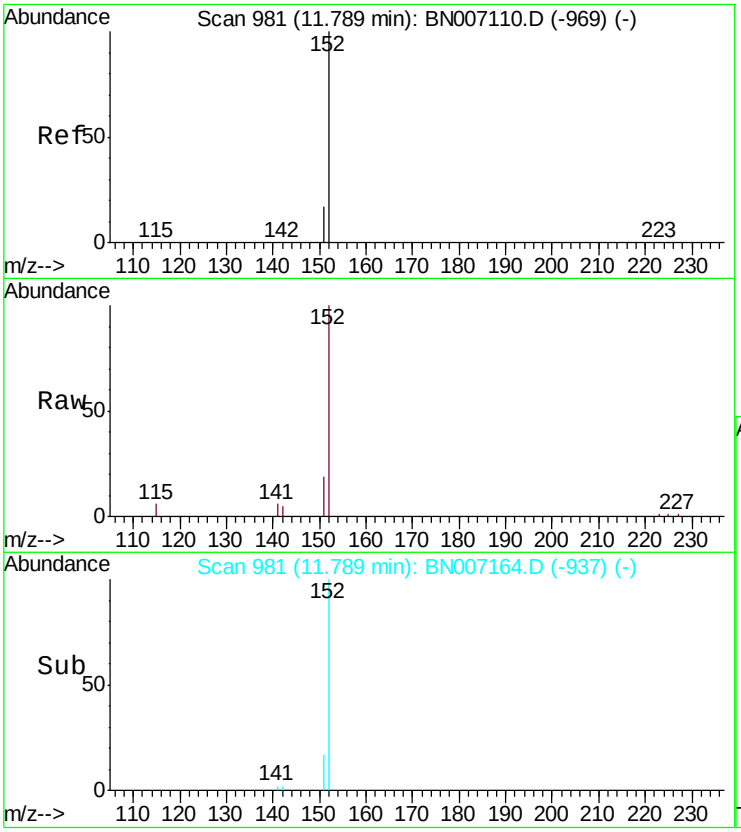


#8
Naphthalene
Concen: 0.277 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:128 Resp: 27945

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.4	14.2
127	13.6	11.0	16.6



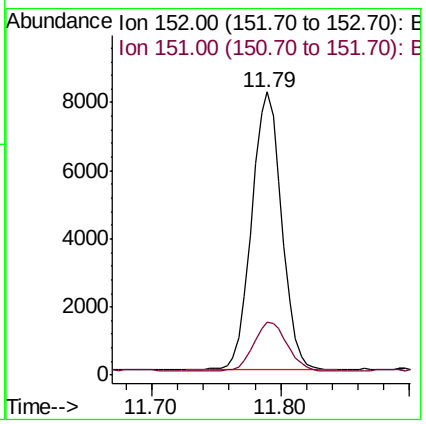


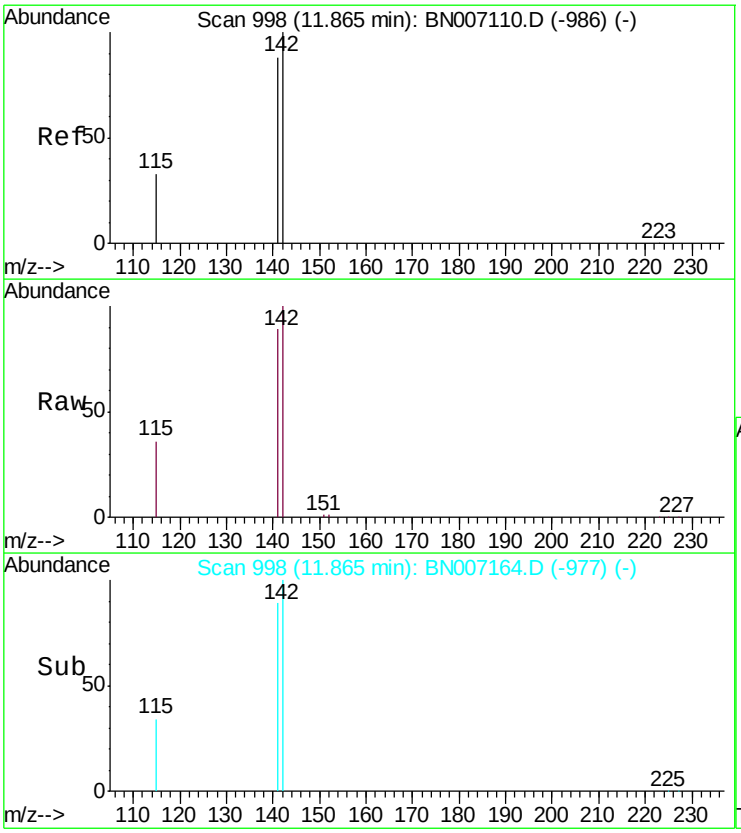
#10
2-Methylnaphthalene-d10
Concen: 0.196 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:152 Resp: 13152

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.5	23.3

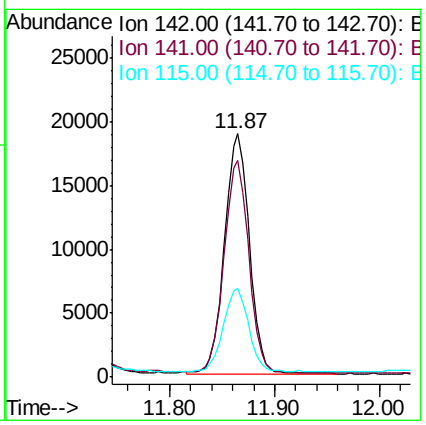


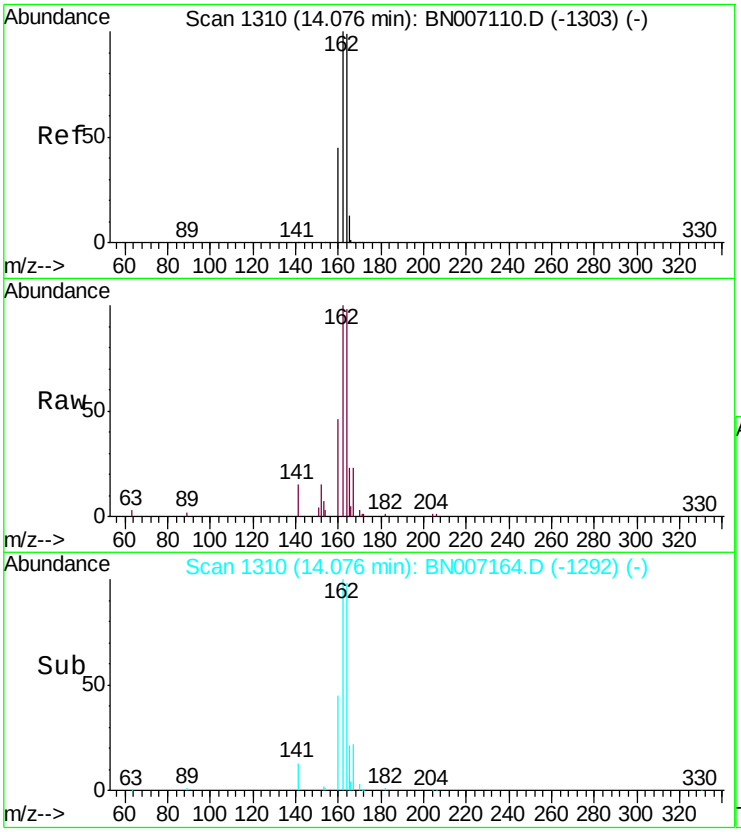


#11
2-Methylnaphthalene
Concen: 0.431 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:142 Resp: 30782

Ion	Ratio	Lower	Upper
142	100		
141	89.3	69.0	103.6
115	36.2	27.1	40.7



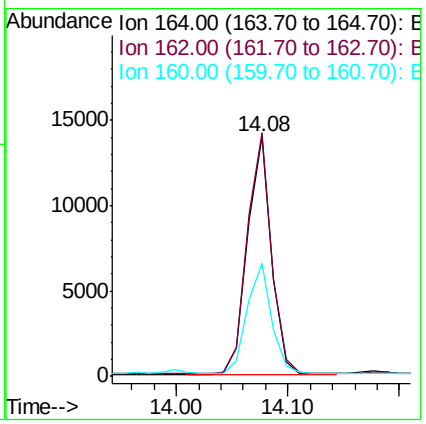


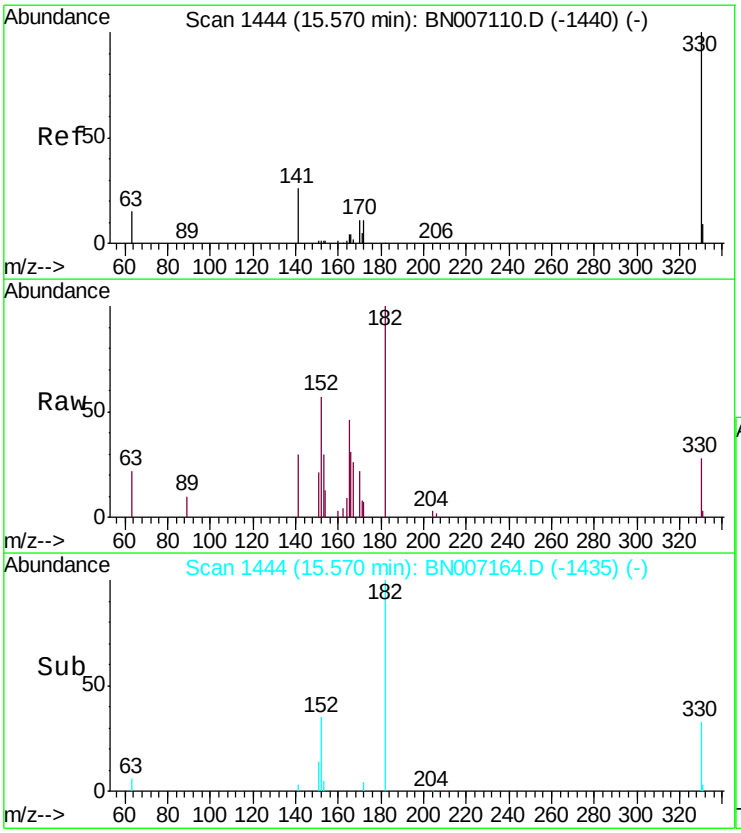
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:164 Resp: 20794

Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.2	123.4
160	47.0	38.3	57.5

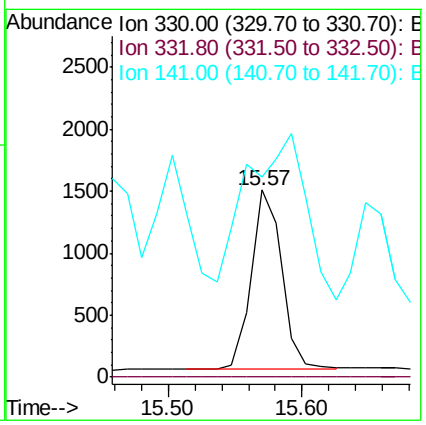


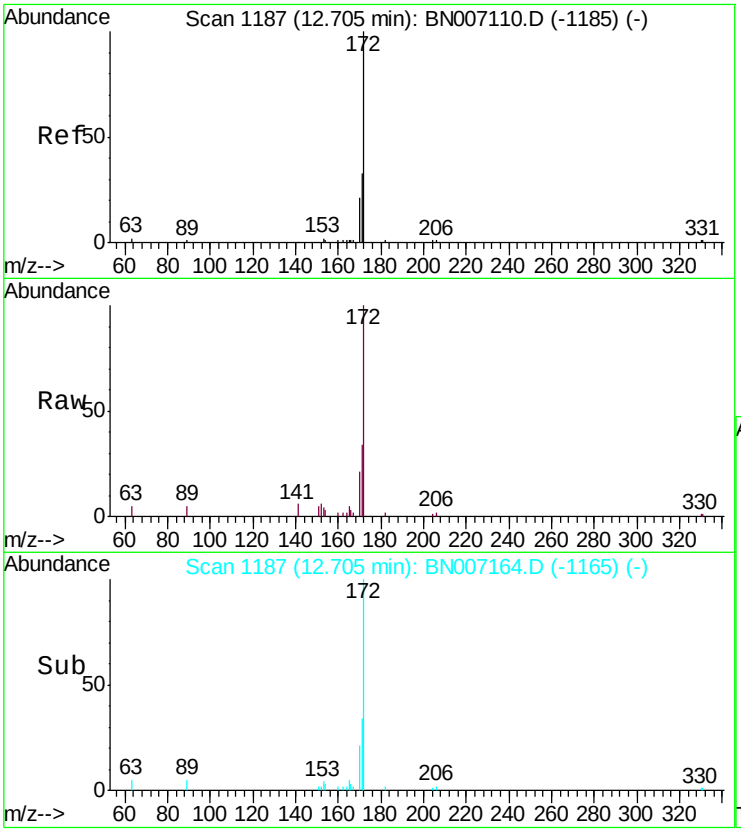


#13
2,4,6-Tribromophenol
Concen: 0.207 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:330 Resp: 2321

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



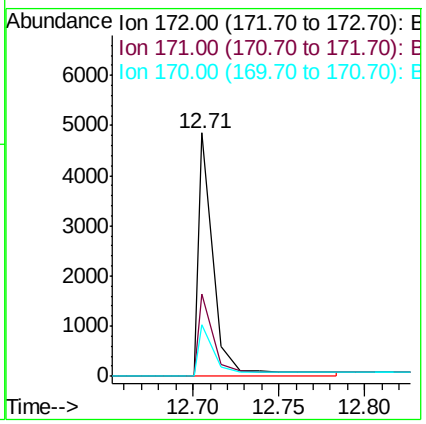


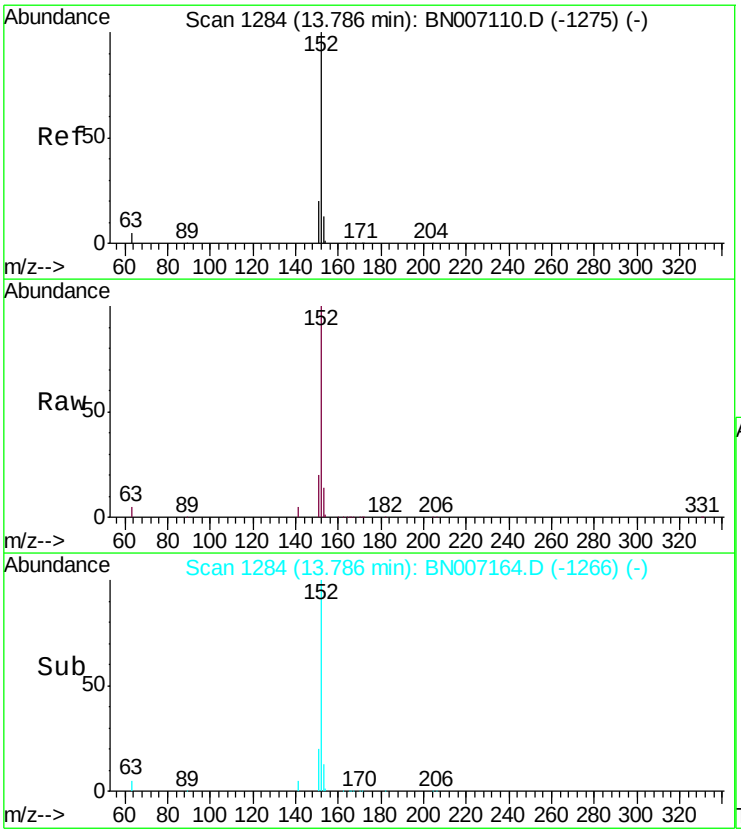
#14
2-Fluorobiphenyl
Concen: 0.115 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:172 Resp: 3485

Ion	Ratio	Lower	Upper
172	100		
171	33.8	26.3	39.5
170	21.2	17.0	25.4

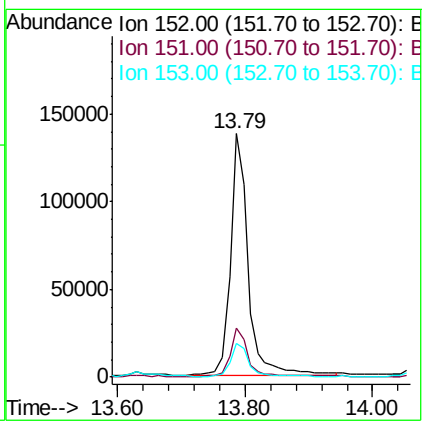


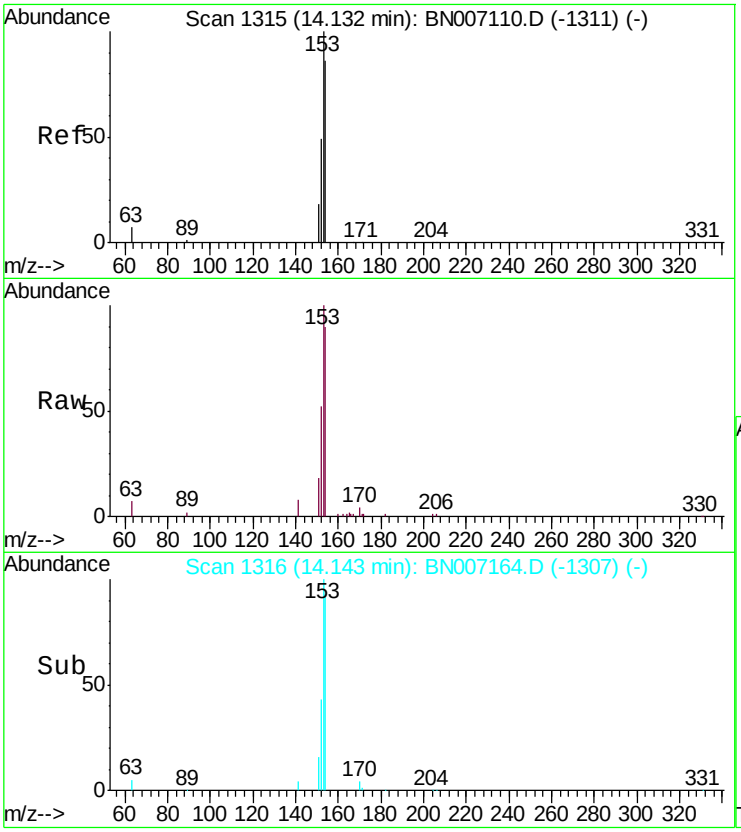


#15
Acenaphthylene
Concen: 2.412 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:152 Resp: 262135

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	13.7	10.4	15.6



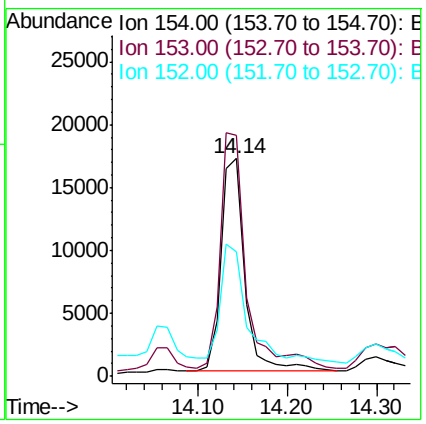


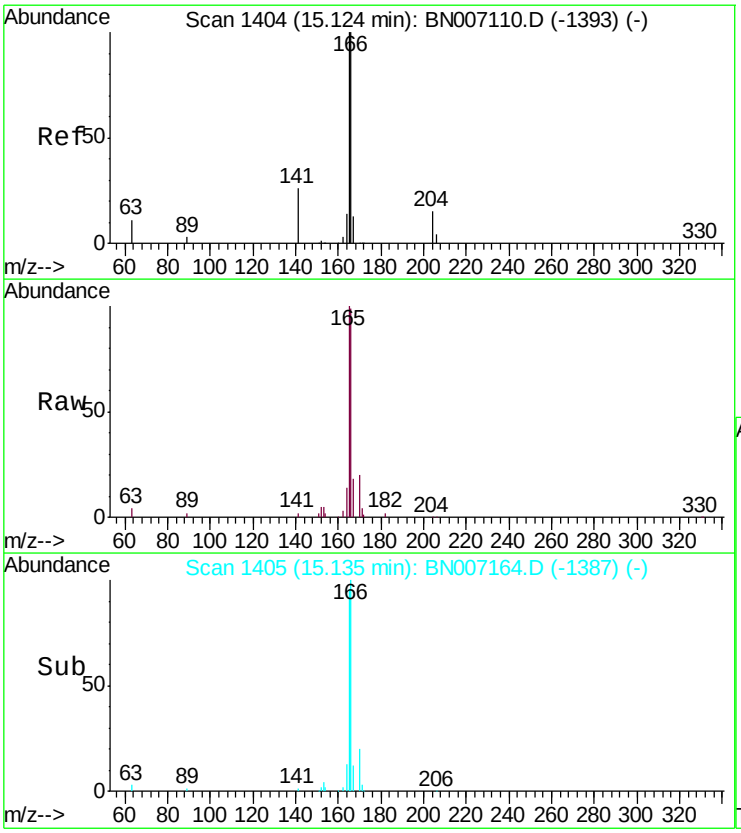
#16
Acenaphthene
Concen: 0.450 ng
RT: 14.14 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:154 Resp: 31331

Ion	Ratio	Lower	Upper
154	100		
153	119.7	89.5	134.3
152	54.3	44.8	67.2

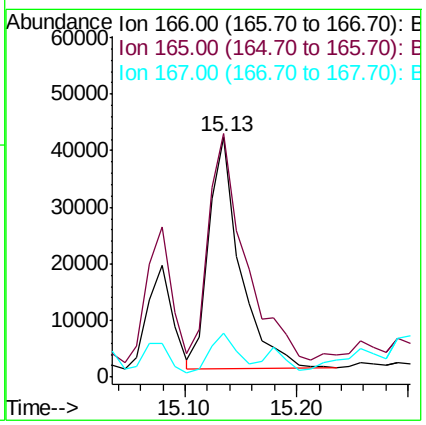


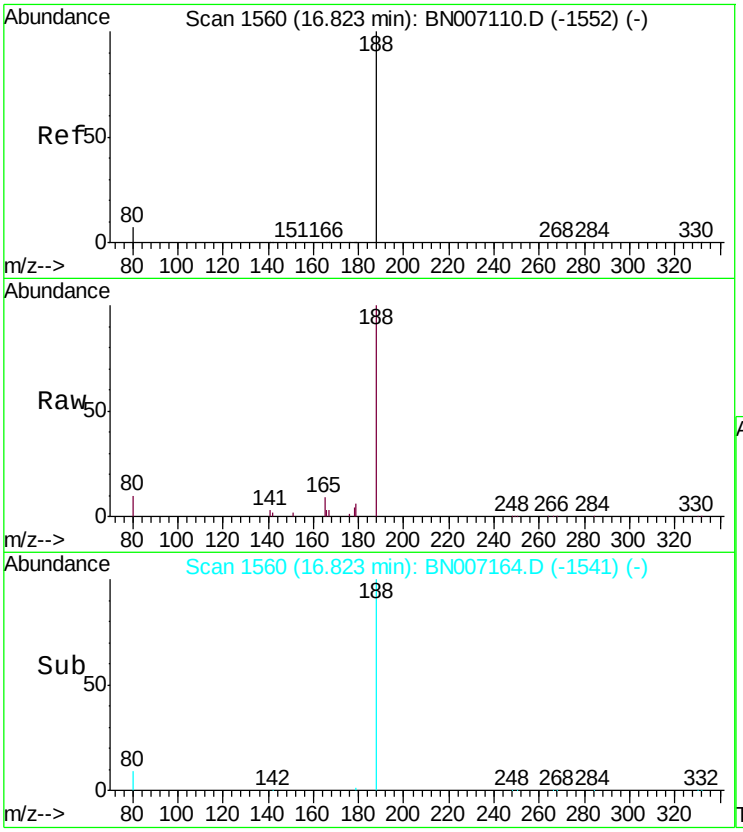


#17
Fluorene
Concen: 0.769 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:166 Resp: 80098

Ion	Ratio	Lower	Upper
166	100		
165	113.6	77.9	116.9
167	14.9	10.9	16.3



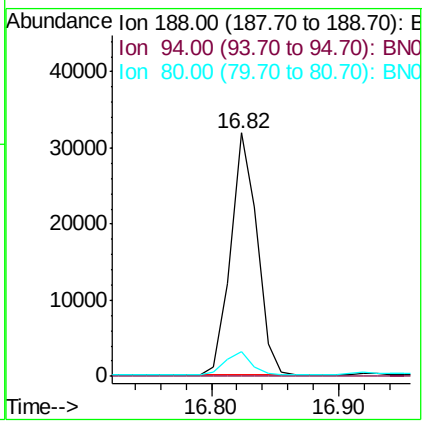


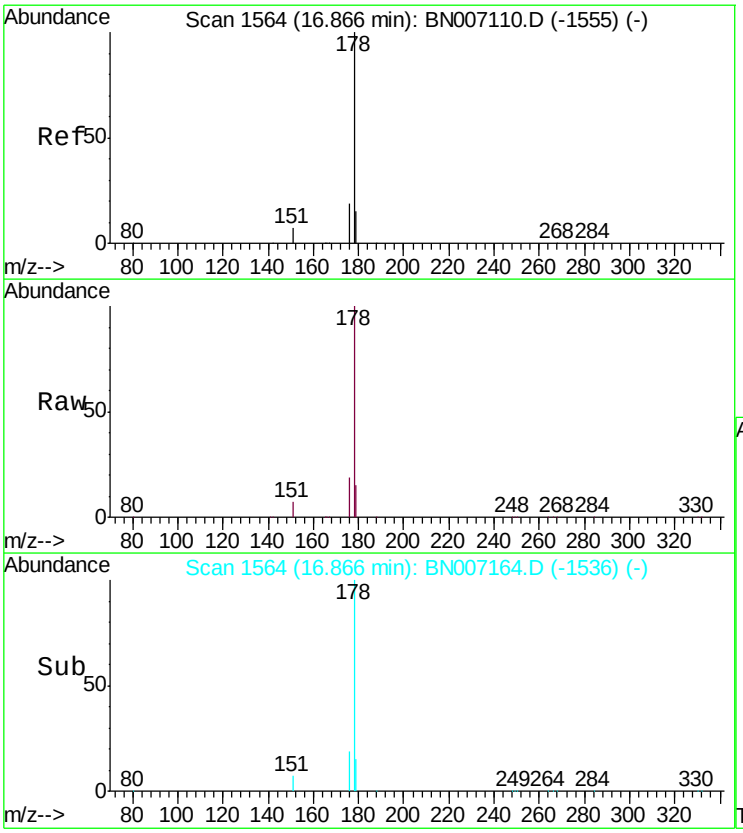
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:188 Resp: 45633

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	7.8	11.6

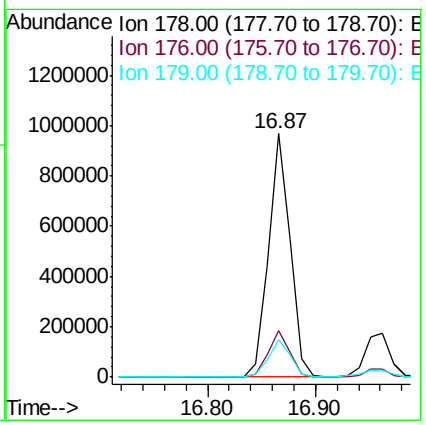


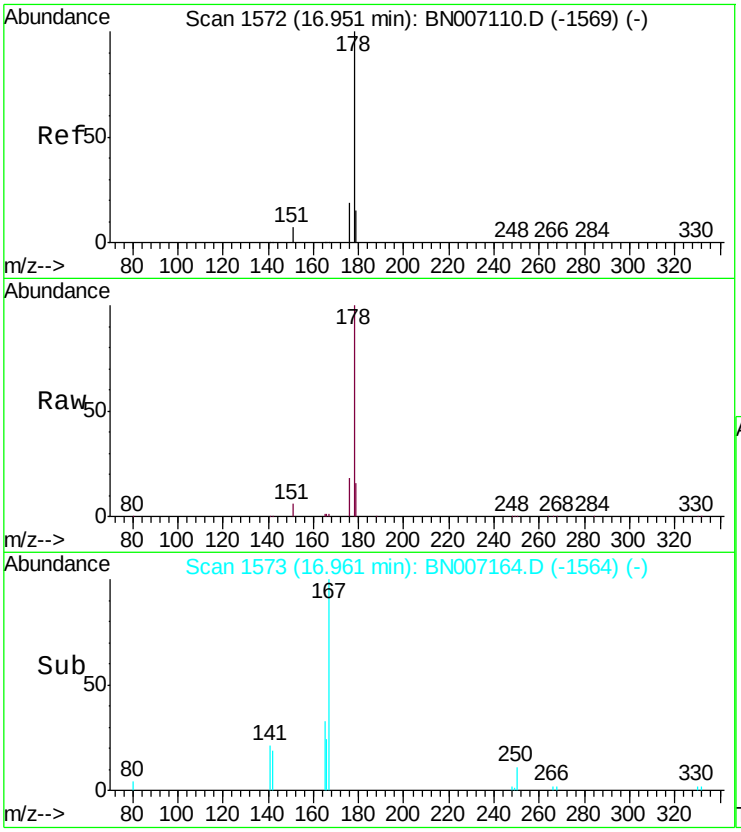


#22
Phenanthrene
Concen: 9.734 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:178 Resp: 1331259

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.7	12.3	18.5



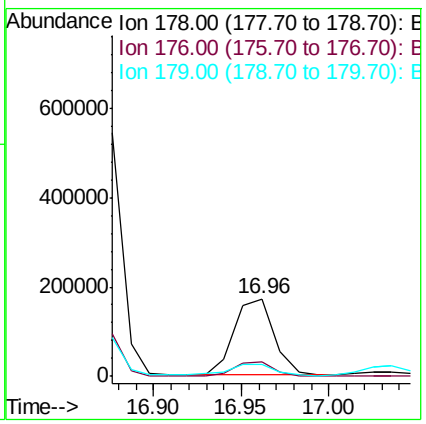


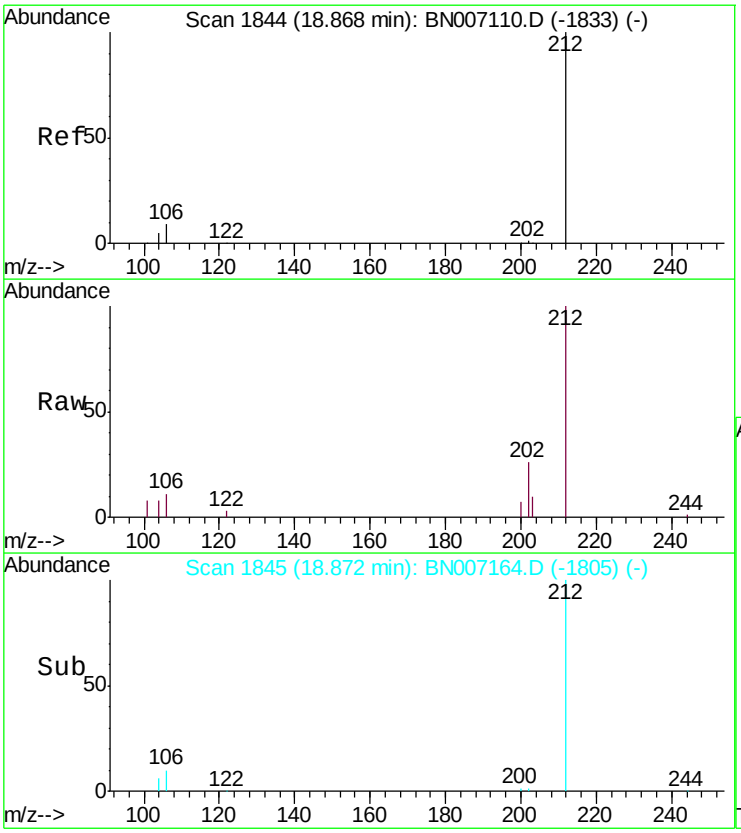
#23
Anthracene
Concen: 2.173 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:178 Resp: 271468

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	16.5	12.5	18.7

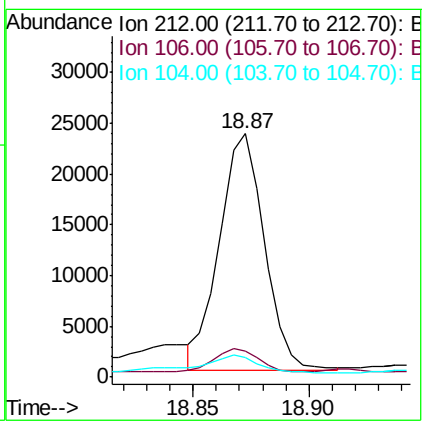


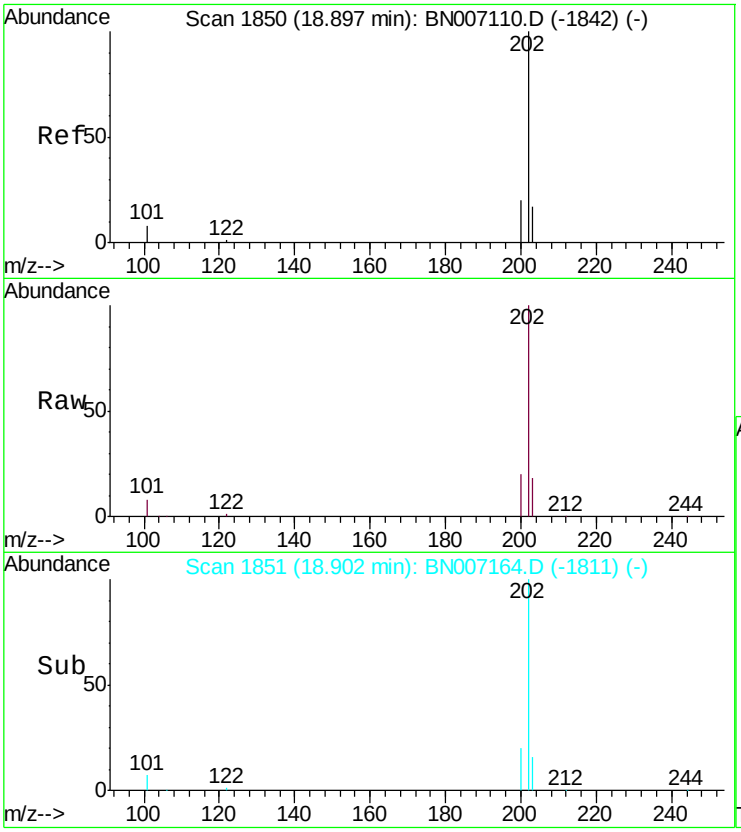


#24
Fluoranthene-d10
Concen: 0.195 ng m
RT: 18.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:212 Resp: 31621

Ion	Ratio	Lower	Upper
212	100		
106	1.4	8.2	12.2#
104	0.8	4.5	6.7#



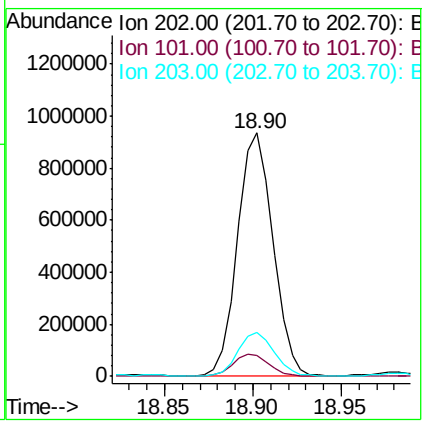


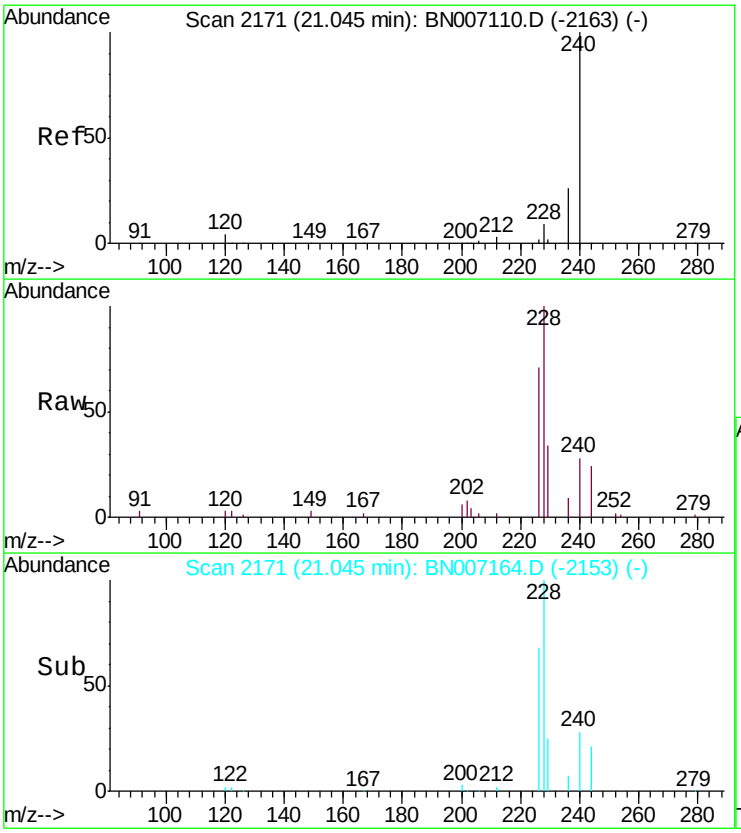
#25
Fluoranthene
Concen: 7.388 ng
RT: 18.90 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:202 Resp: 1292376

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	18.2	13.8	20.8

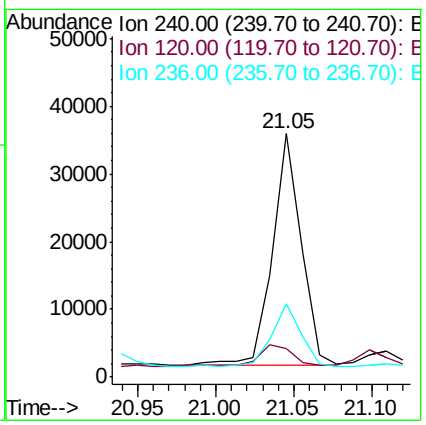


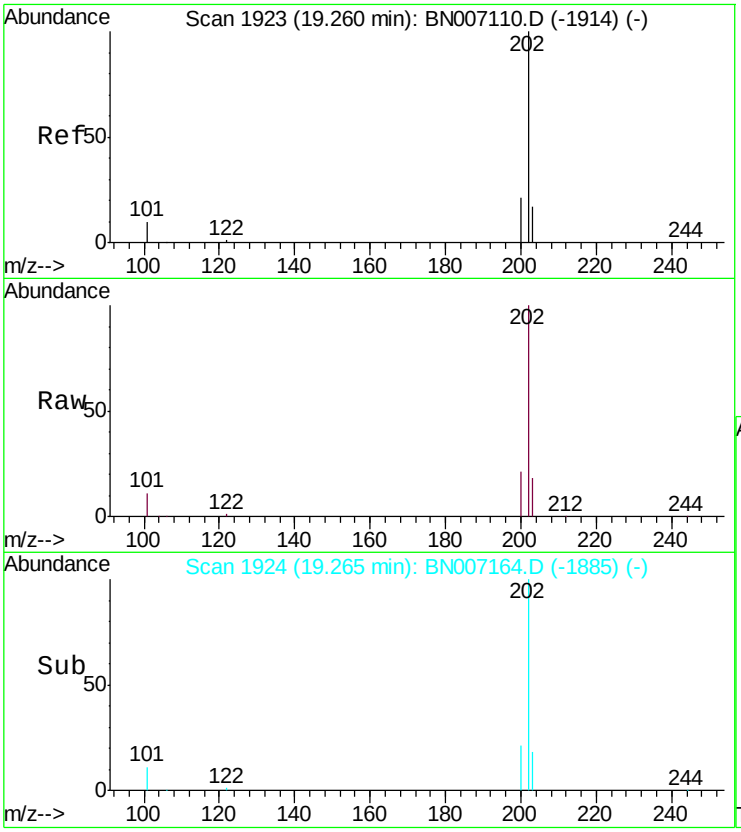


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:240 Resp: 43899

Ion	Ratio	Lower	Upper
240	100		
120	11.6	4.0	6.0#
236	30.1	21.3	31.9



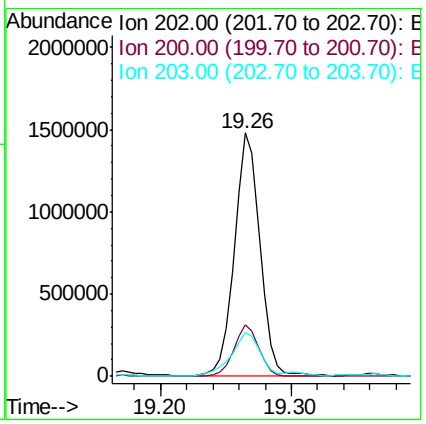


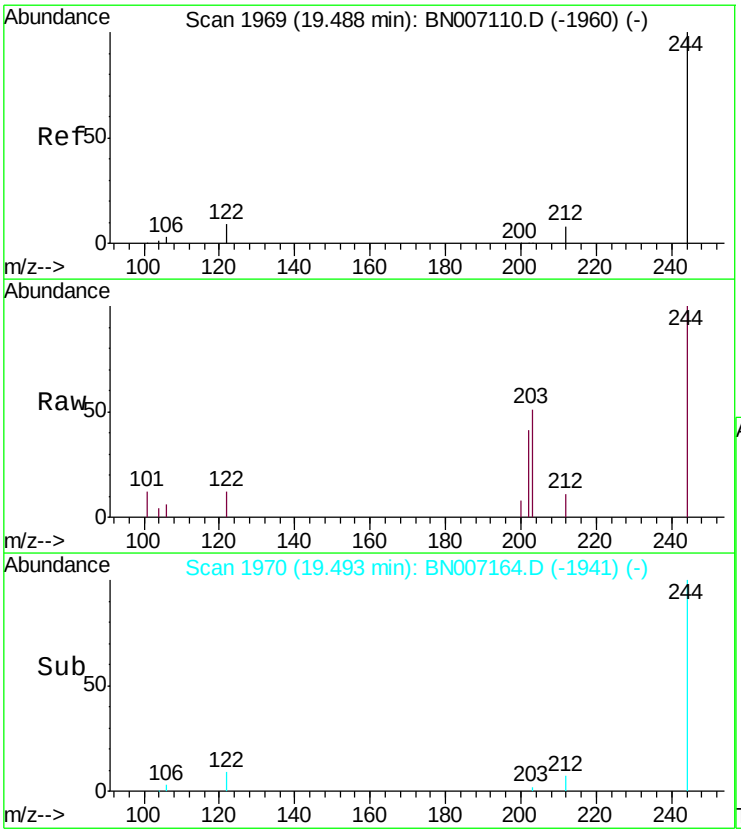
#27
Pyrene
Concen: 13.096 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:202 Resp: 2016139

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

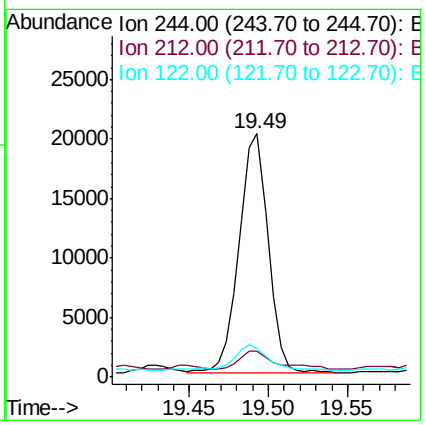


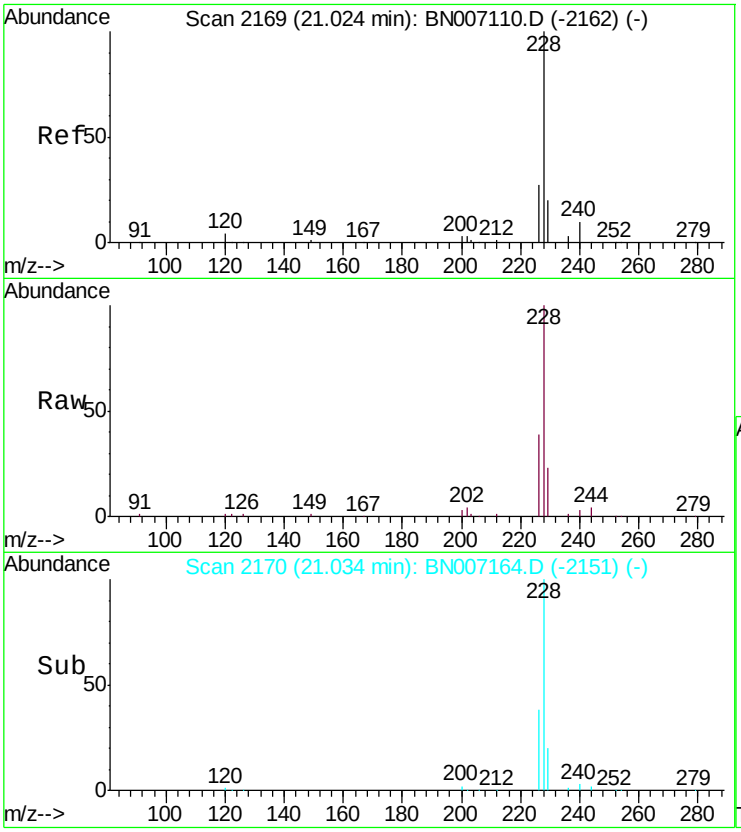


#28
Terphenyl-d14
Concen: 0.213 ng
RT: 19.49 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:244 Resp: 25423

Ion	Ratio	Lower	Upper
244	100		
212	10.8	6.2	9.2#
122	11.8	7.4	11.2#



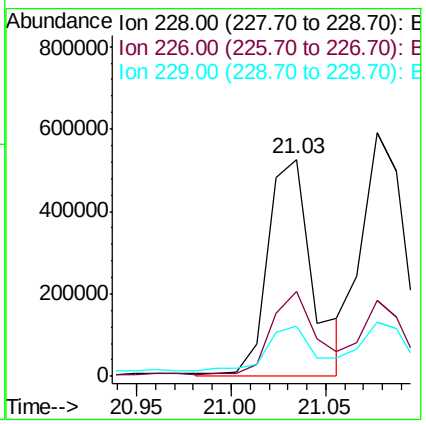


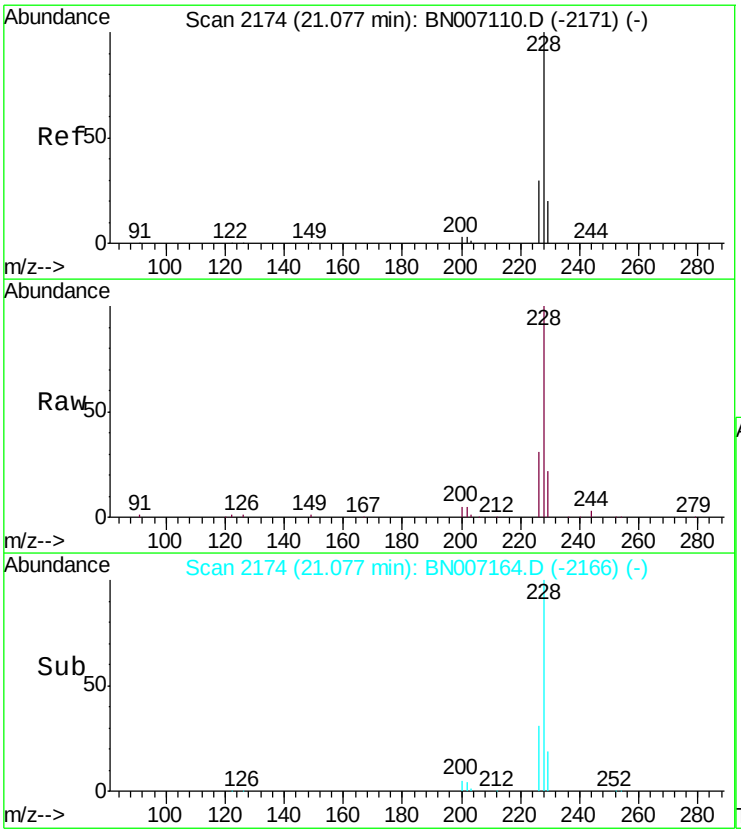
#29
Benzo(a)anthracene
Concen: 5.435 ng m
RT: 21.03 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:228 Resp: 872586

Ion	Ratio	Lower	Upper
228	100		
226	39.0	21.8	32.6#
229	23.4	15.6	23.4#

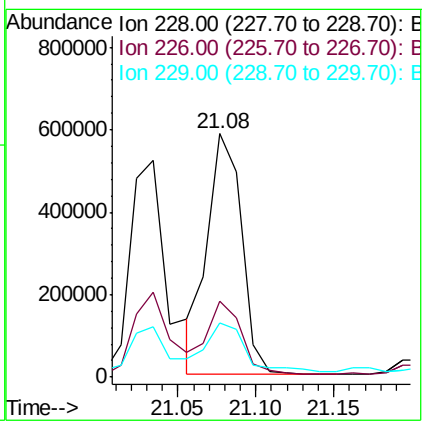


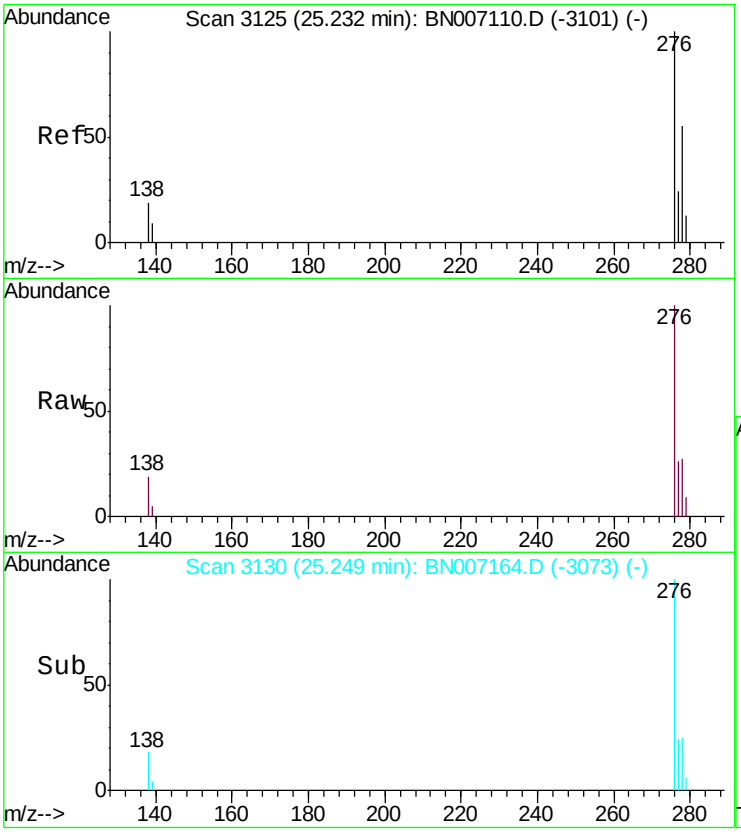


#30
Chrysene
Concen: 5.708 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:228 Resp: 890364

Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.8	35.6
229	22.1	15.7	23.5



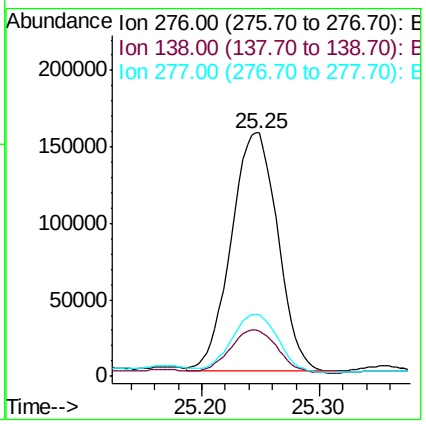


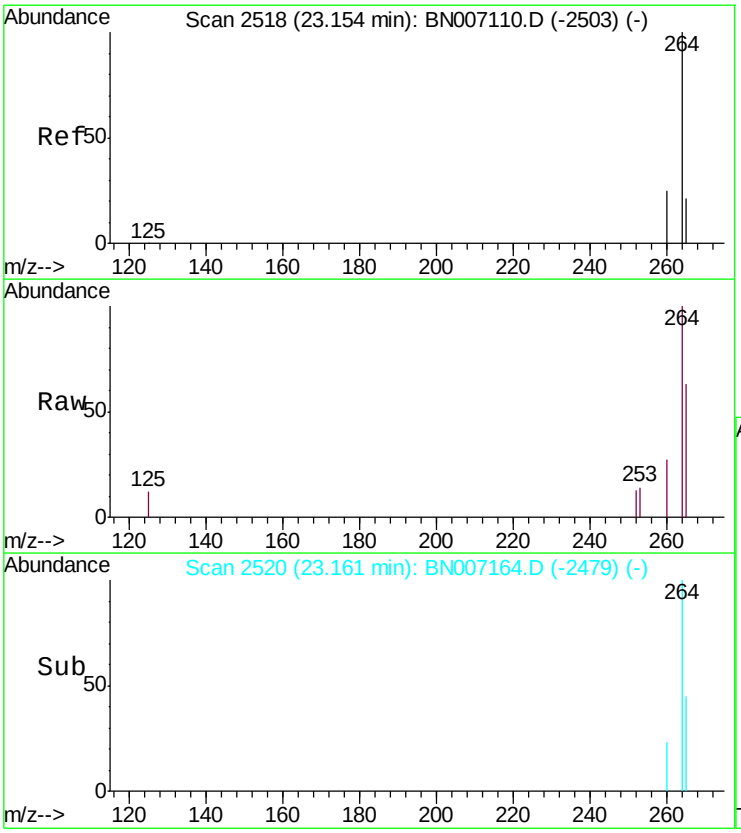
#31
Indeno(1,2,3-cd)pyrene
Concen: 2.492 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:276 Resp: 428342

Ion	Ratio	Lower	Upper
276	100		
138	18.7	16.0	24.0
277	24.9	19.9	29.9

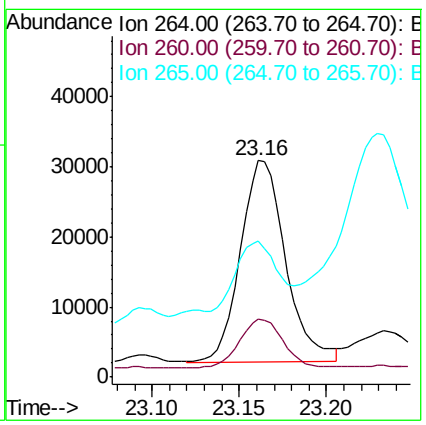


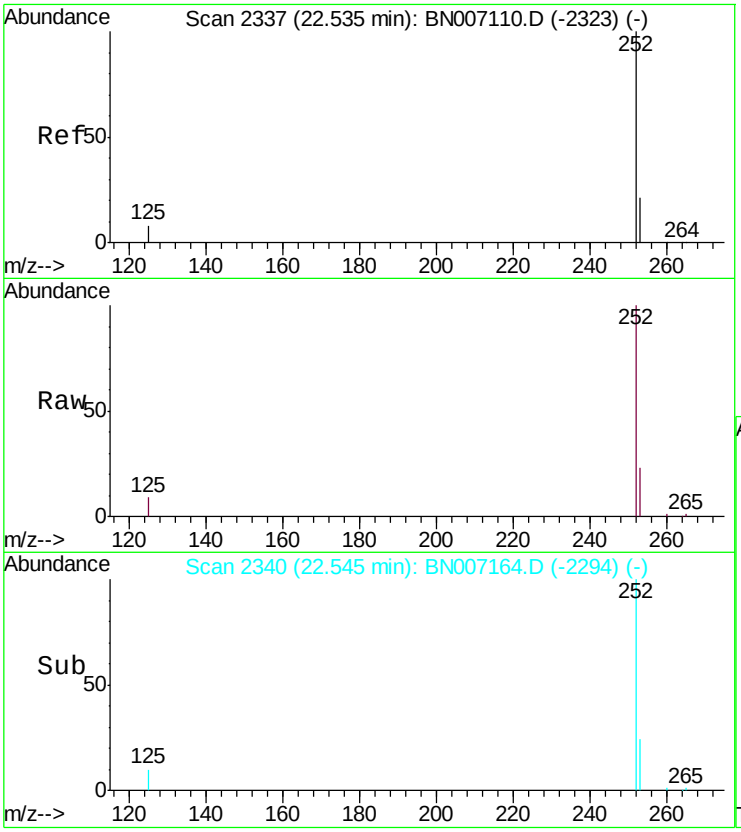


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:264 Resp: 51821

Ion	Ratio	Lower	Upper
264	100		
260	27.0	19.8	29.8
265	62.7	26.2	39.4#



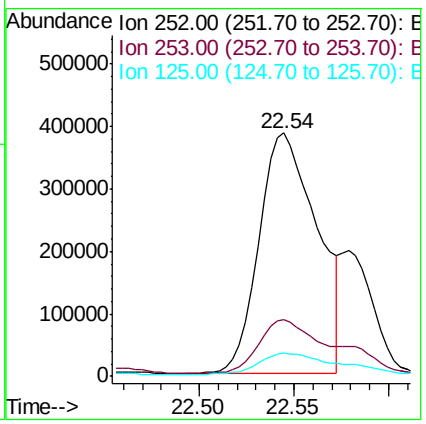


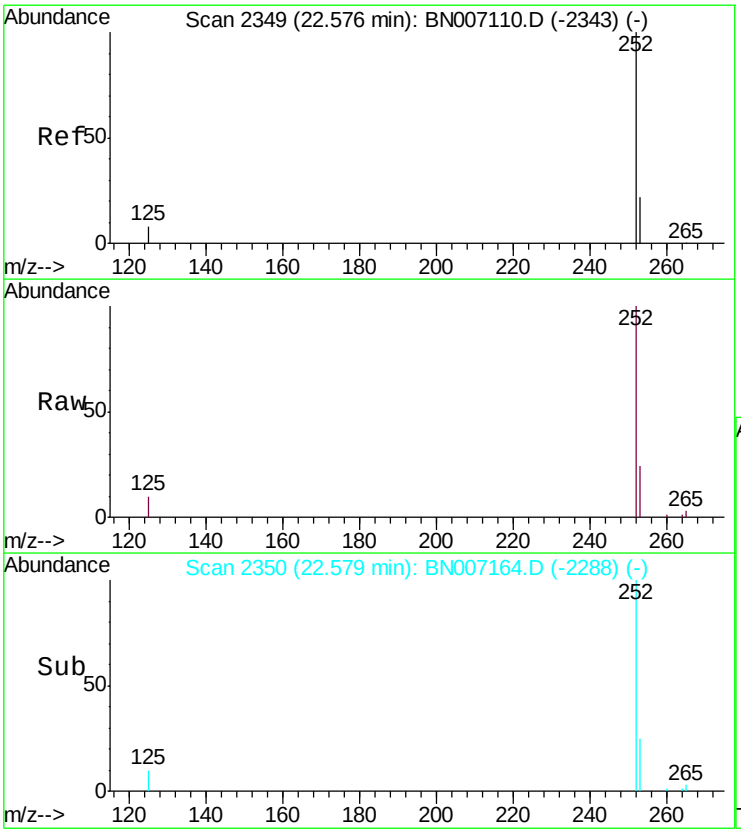
#33
Benzo(b)fluoranthene
Concen: 4.600 ng
RT: 22.54 min Scan# 2340
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:252 Resp: 817329

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	9.5	7.4	11.0

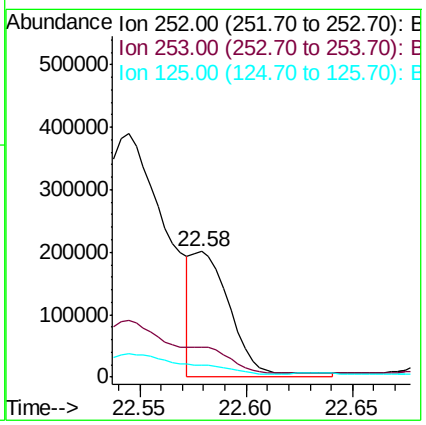


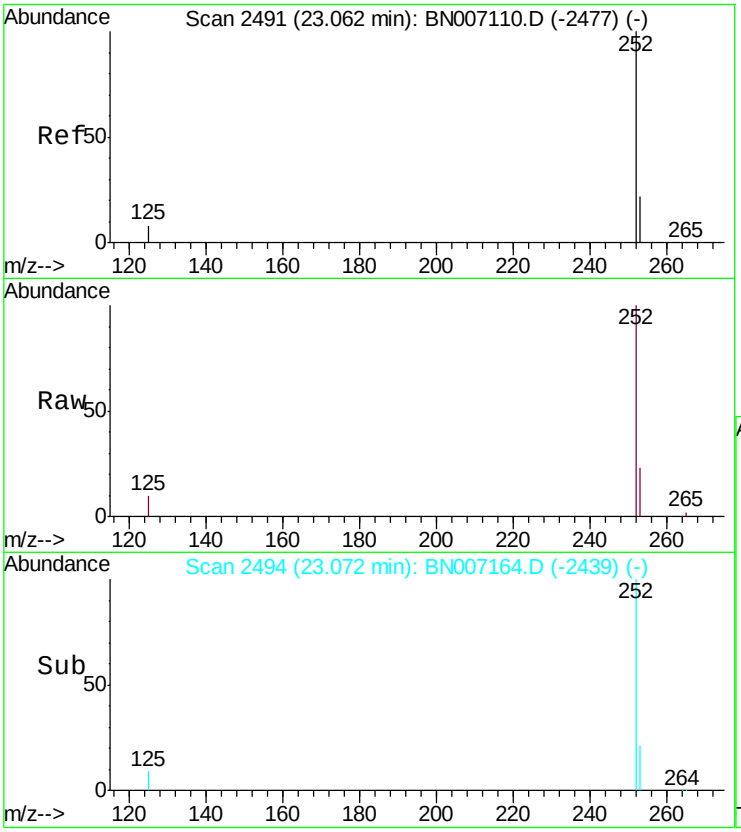


#34
Benzo(k)fluoranthene
Concen: 1.456 ng m
RT: 22.58 min Scan# 2350
Delta R.T. -0.01 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:252 Resp: 255455

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	10.0	7.4	11.0



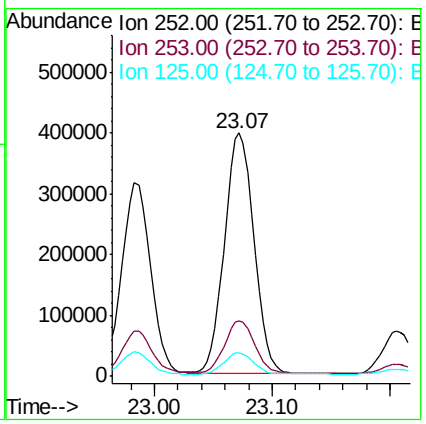


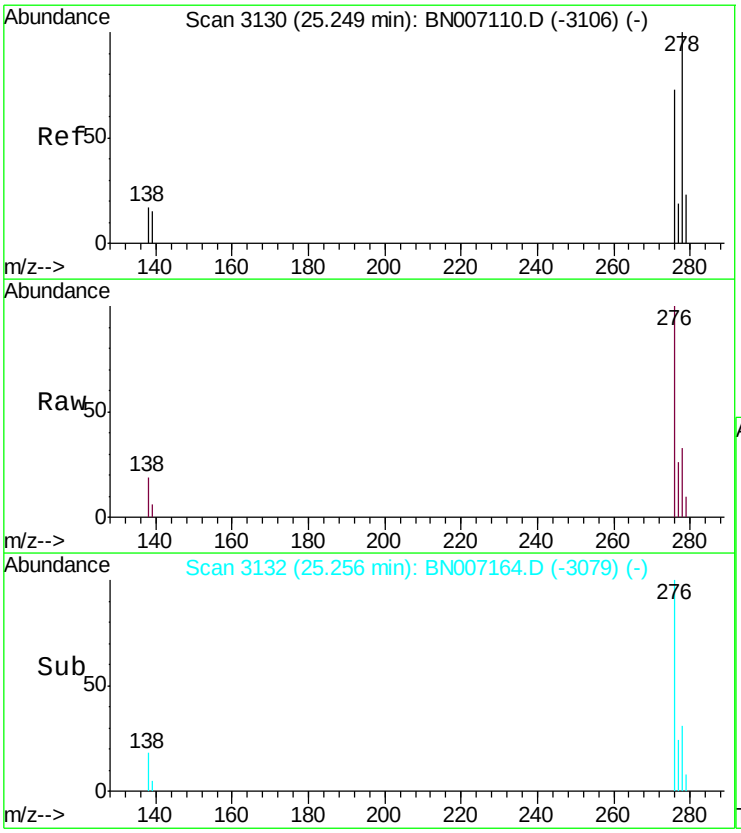
#35
Benzo(a)pyrene
Concen: 4.296 ng
RT: 23.07 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:252 Resp: 692112

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	9.7	8.2	12.4

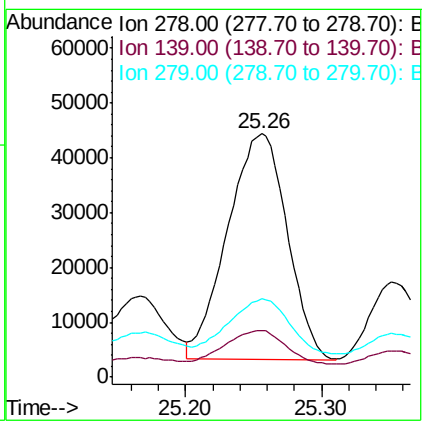


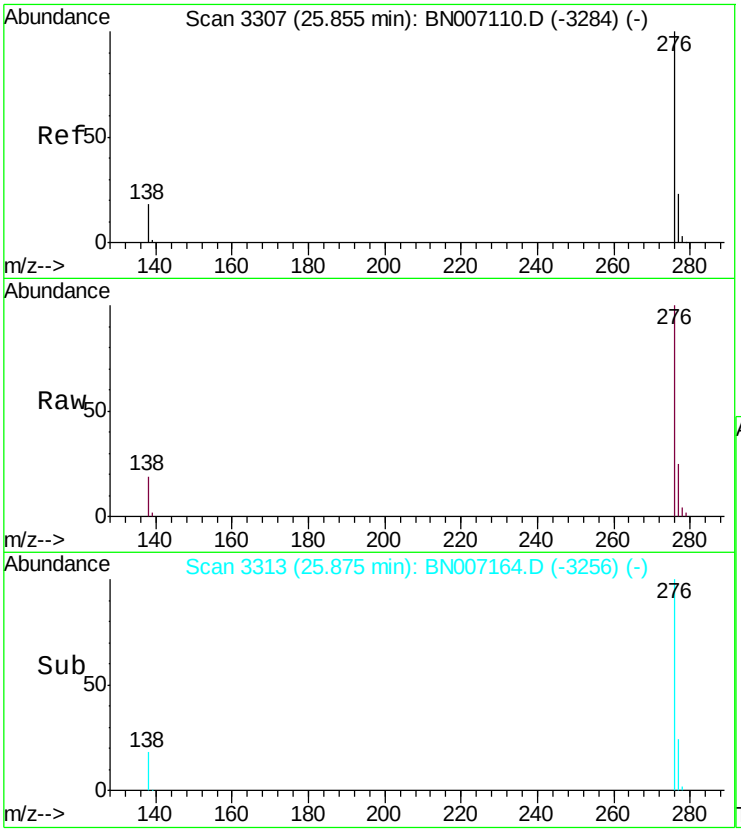


#36
Dibenzo(a,h)anthracene
Concen: 0.778 ng
RT: 25.26 min Scan# 3132
Delta R.T. -0.02 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Tgt Ion:278 Resp: 125069

Ion	Ratio	Lower	Upper
278	100		
139	19.2	11.3	16.9#
279	32.0	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 3.019 ng
RT: 25.88 min Scan# 3313
Delta R.T. -0.00 min
Lab File: BN007164.D
Acq: 14 Aug 2019 11:45

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW090-080119

Tgt Ion:276 Resp: 499211

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.8
138	19.1	14.6	22.0