Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007165.D
Acq On : 14 Aug 2019 12:21
Operator : HP/JU
Sample : K4173-12
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : EXT-032-SW176-073119

Quant Time: Aug 14 13:18:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9693	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	37716	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	21516	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	47377	0.40	ng		0.00
26) Chrysene-d12	21.04	240	47522	0.40	ng		-0.01
32) Perylene-d12	23.17	264	57035	0.40	ng		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	6197	0.27	ng		0.00
4) Phenol-d6	6.62	99	8392	0.29	ng		0.00
7) Nitrobenzene-d5	8.56	82	6872	0.23	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	14930	0.21	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2491	0.21	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	3869	0.12	ng		0.00
24) Fluoranthene-d10	18.87	212	35093m	0.21	ng		0.00
28) Terphenyl-d14	19.49	244	28592	0.22	ng		0.00
Target Compounds							Qvalue
8) Naphthalene	10.24	128	32547	0.308	ng		99
11) 2-Methylnaphthalene	11.86	142	21069	0.281	ng		97
15) Acenaphthylene	13.79	152	382943	3.405	ng		99
16) Acenaphthene	14.14	154	40631	0.564	ng		96
17) Fluorene	15.13	166	81301	0.754	ng	#	82
22) Phenanthrene	16.87	178	1444712	10.175	ng		99
23) Anthracene	16.96	178	319878	2.466	ng		99
25) Fluoranthene	18.90	202	2364319	13.018	ng		98
27) Pyrene	19.27	202	3482219	20.895	ng		96
29) Benzo(a)anthracene	21.03	228	1532131m	8.816	ng		
30) Chrysene	21.09	228	1867029	11.057	ng		97
31) Indeno(1,2,3-cd)pyrene	25.25	276	881337	4.736	ng		99
33) Benzo(b)fluoranthene	22.55	252	1632192	8.346	ng		99
34) Benzo(k)fluoranthene	22.59	252	531864m	2.754	ng		
35) Benzo(a)pyrene	23.08	252	1382646	7.798	ng		99
36) Dibenzo(a,h)anthracene	25.26	278	254292	1.437	ng	#	89
37) Benzo(g,h,i)perylene	25.88	276	969618	5.328	ng		99

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

Quantitation Report (QT Reviewed)

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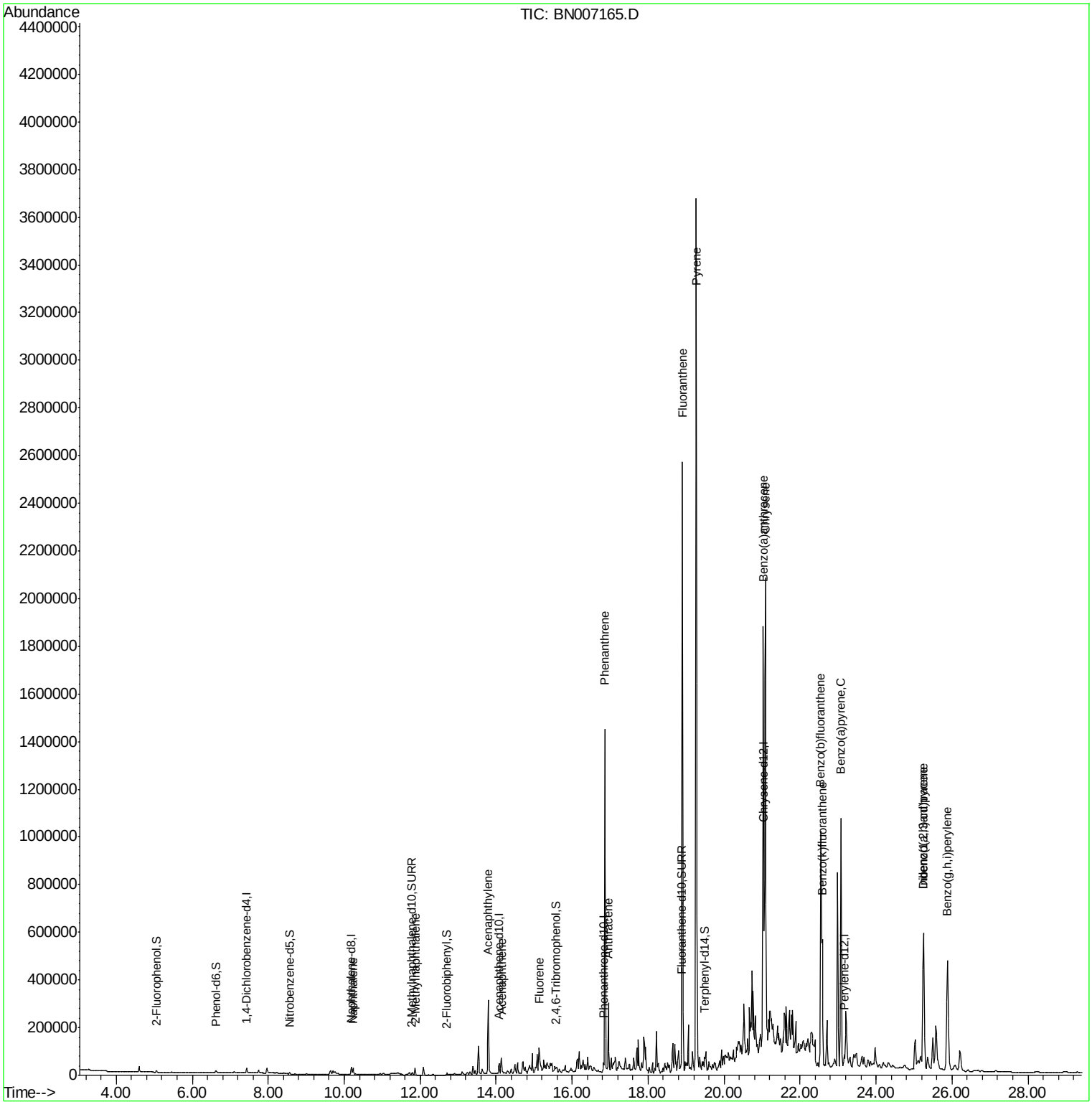
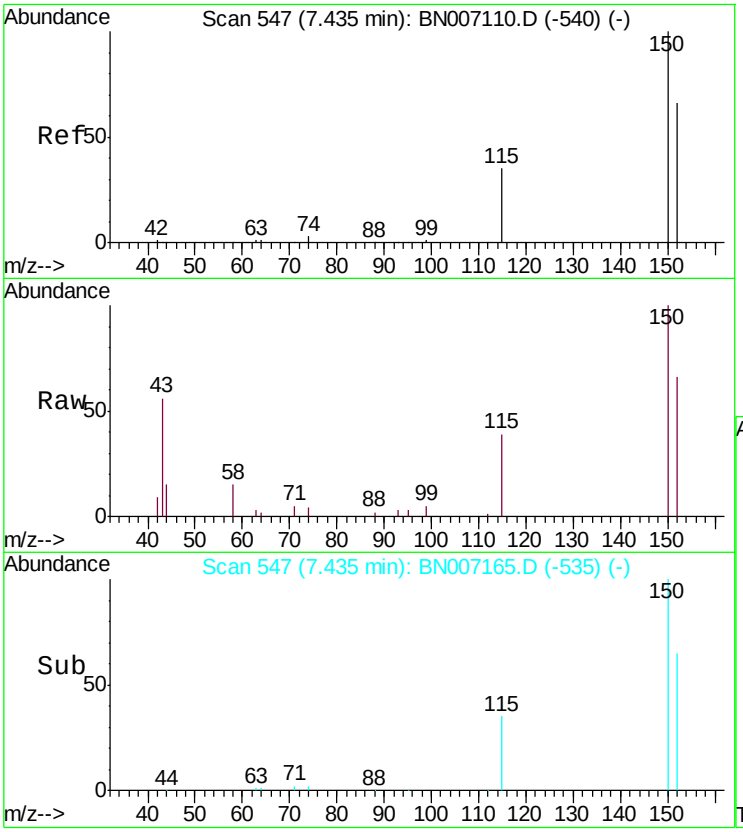
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration



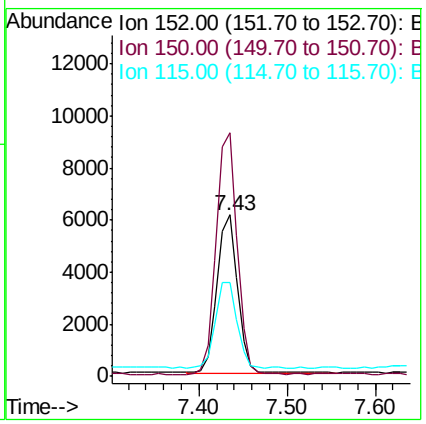


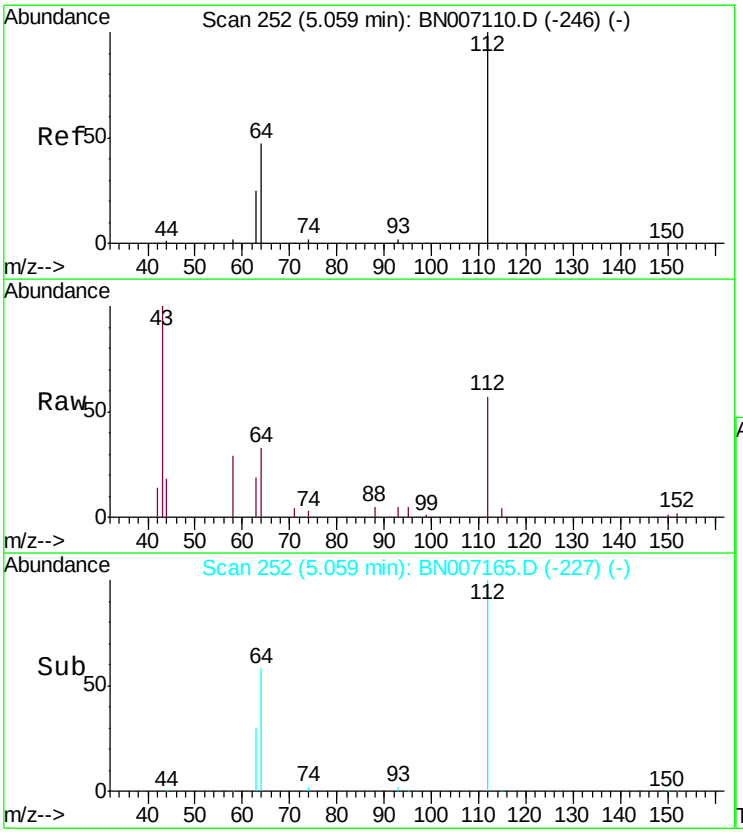
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:152 Resp: 9693

Ion	Ratio	Lower	Upper
152	100		
150	151.1	121.7	182.5
115	58.5	46.2	69.4

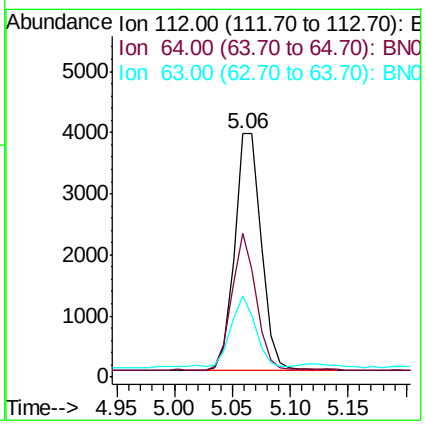


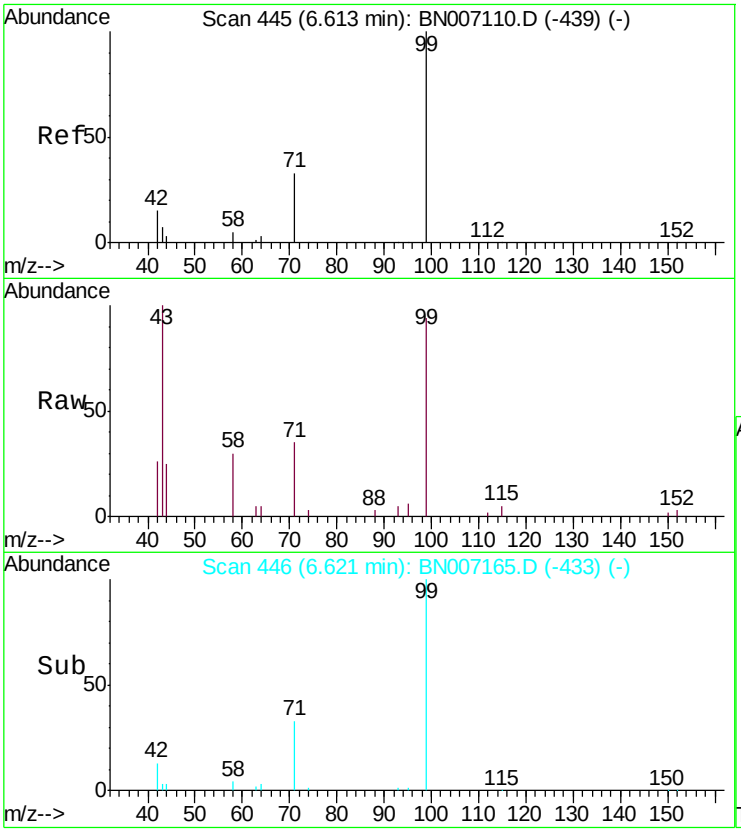


#3
2-Fluorophenol
Concen: 0.266 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:112 Resp: 6197

Ion	Ratio	Lower	Upper
112	100		
64	51.7	42.6	63.8
63	27.7	22.2	33.2



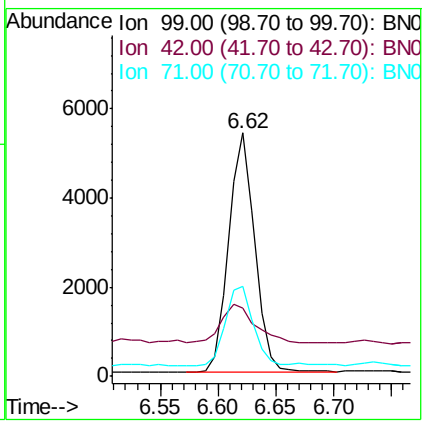


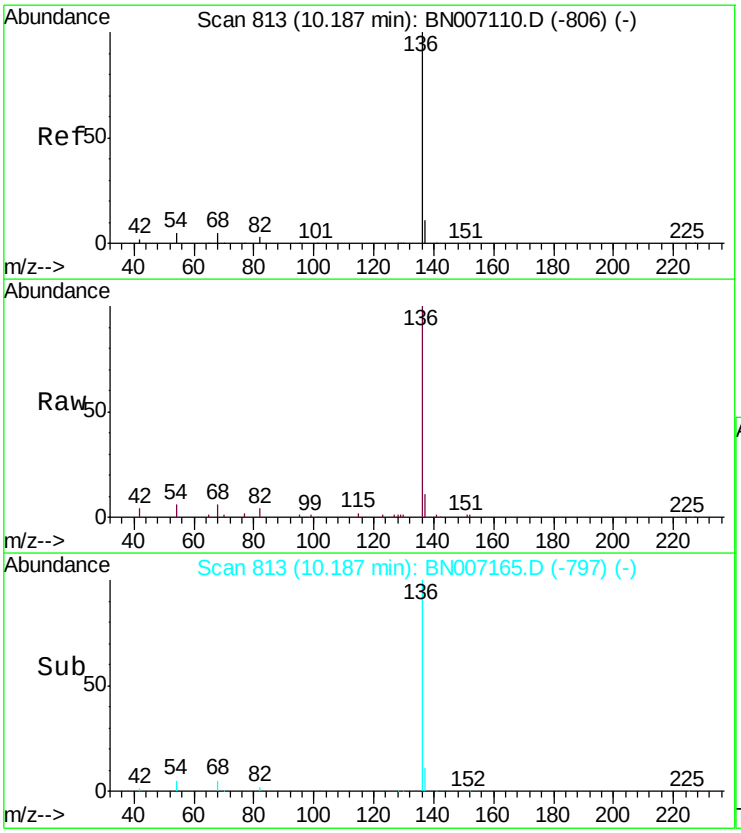
#4
Phenol-d6
Concen: 0.291 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion: 99 Resp: 8392

Ion	Ratio	Lower	Upper
99	100		
42	20.5	15.8	23.6
71	35.3	27.0	40.4

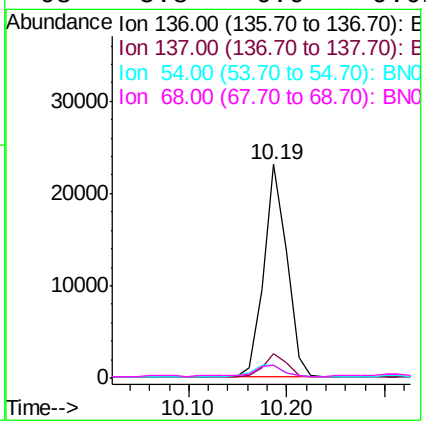


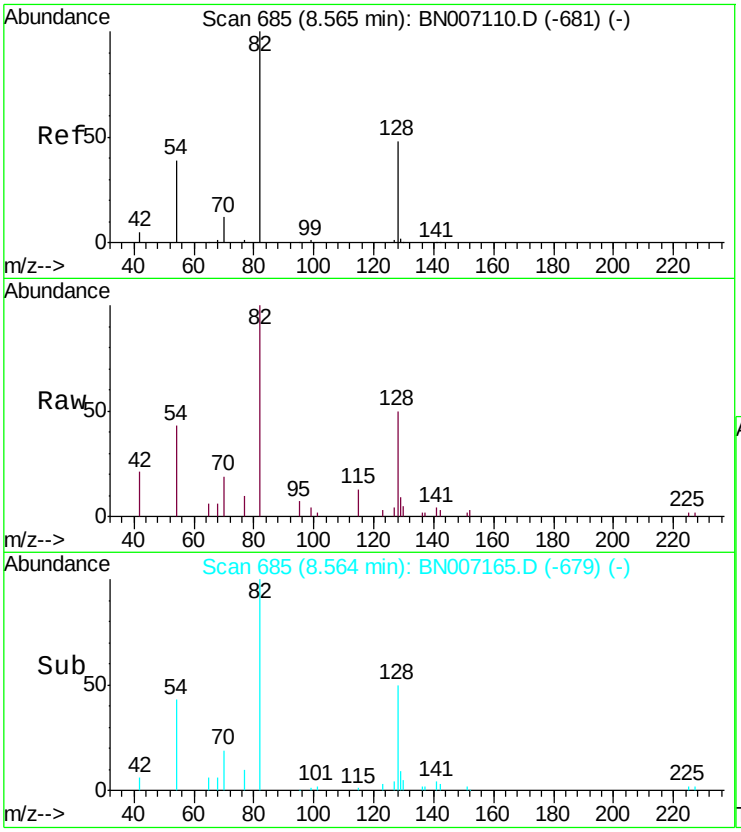


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:136 Resp: 37716

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	6.2	6.6	9.8#
68	5.8	6.0	9.0#



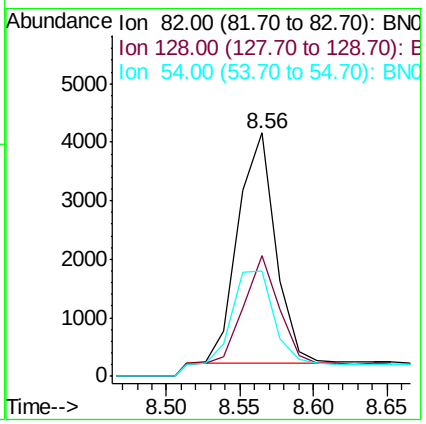


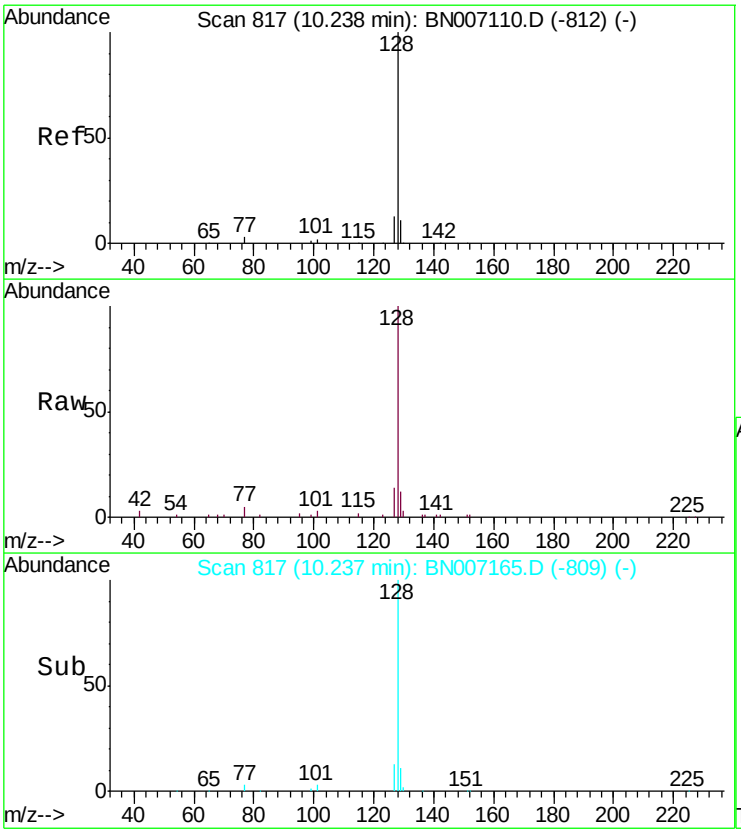
#7
Nitrobenzene-d5
Concen: 0.226 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion: 82 Resp: 6872

Ion	Ratio	Lower	Upper
82	100		
128	49.8	34.6	51.8
54	43.3	36.2	54.4

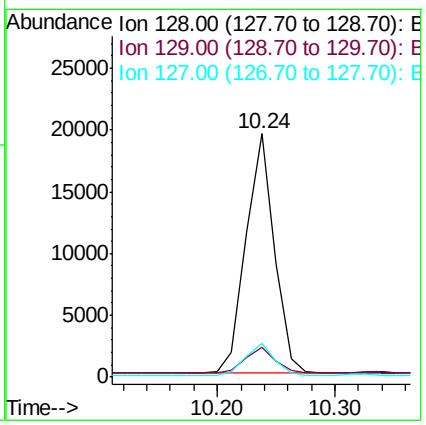


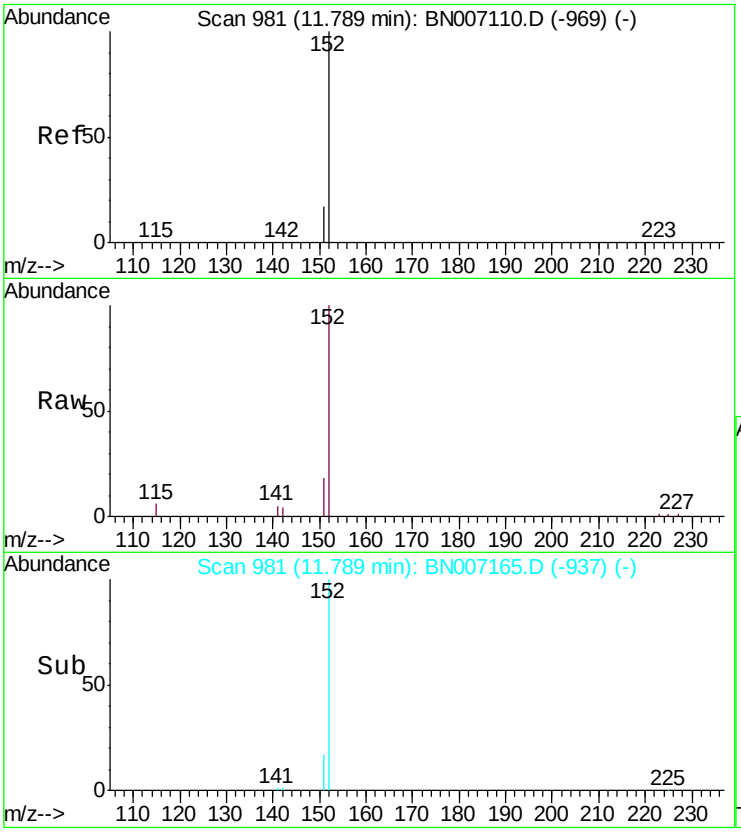


#8
Naphthalene
Concen: 0.308 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:128 Resp: 32547

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.4	14.2
127	13.6	11.0	16.6



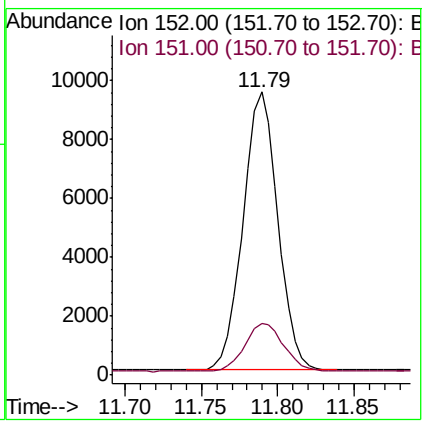


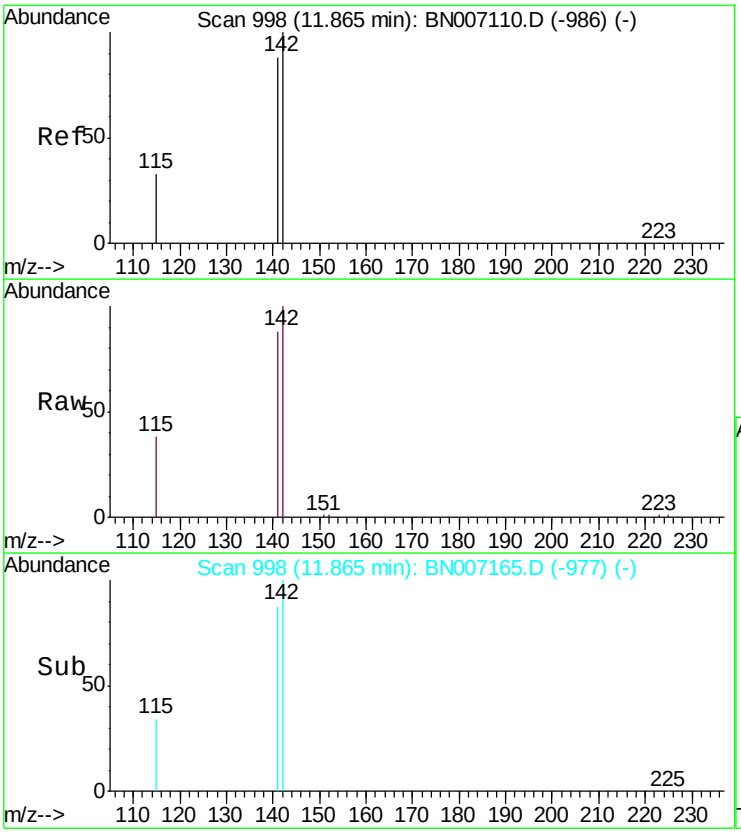
#10
2-Methylnaphthalene-d10
Concen: 0.212 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:152 Resp: 14930

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3

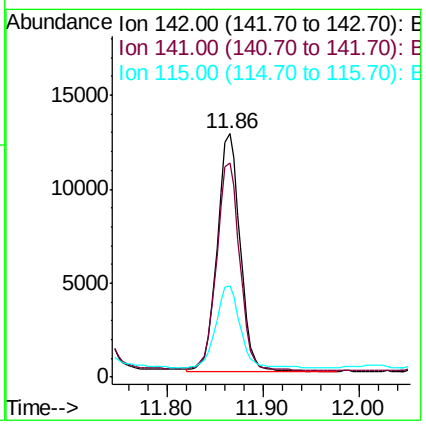


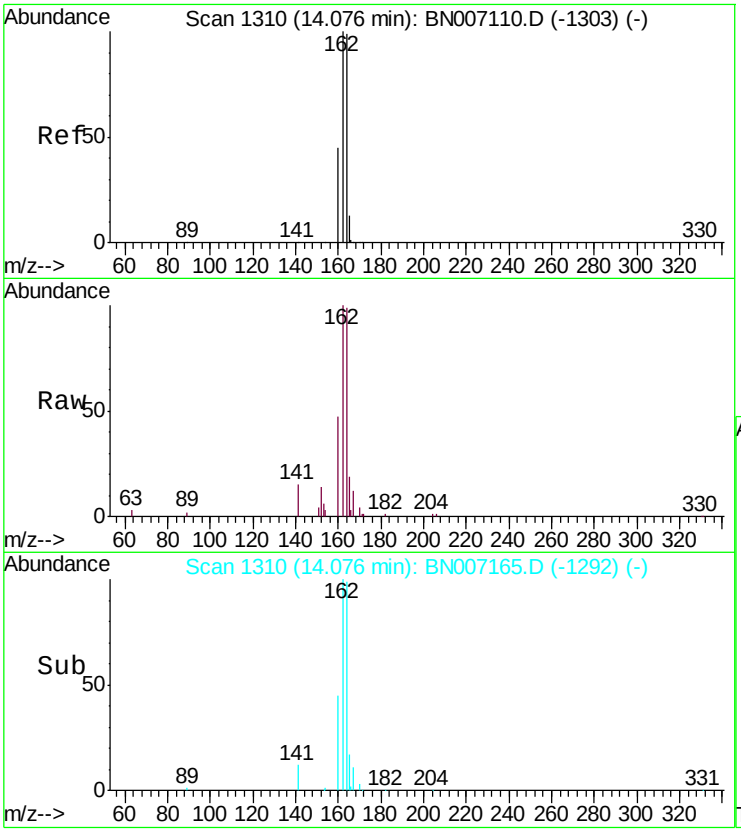


#11
2-Methylnaphthalene
Concen: 0.281 ng
RT: 11.86 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:142 Resp: 21069

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.0	103.6
115	37.6	27.1	40.7



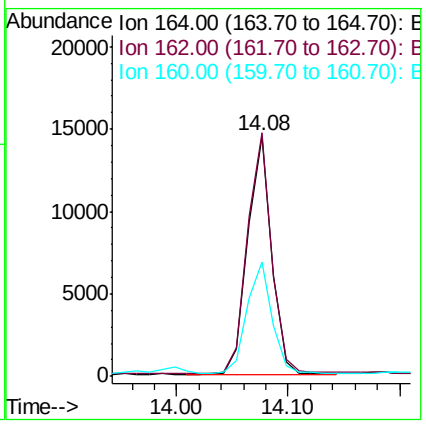


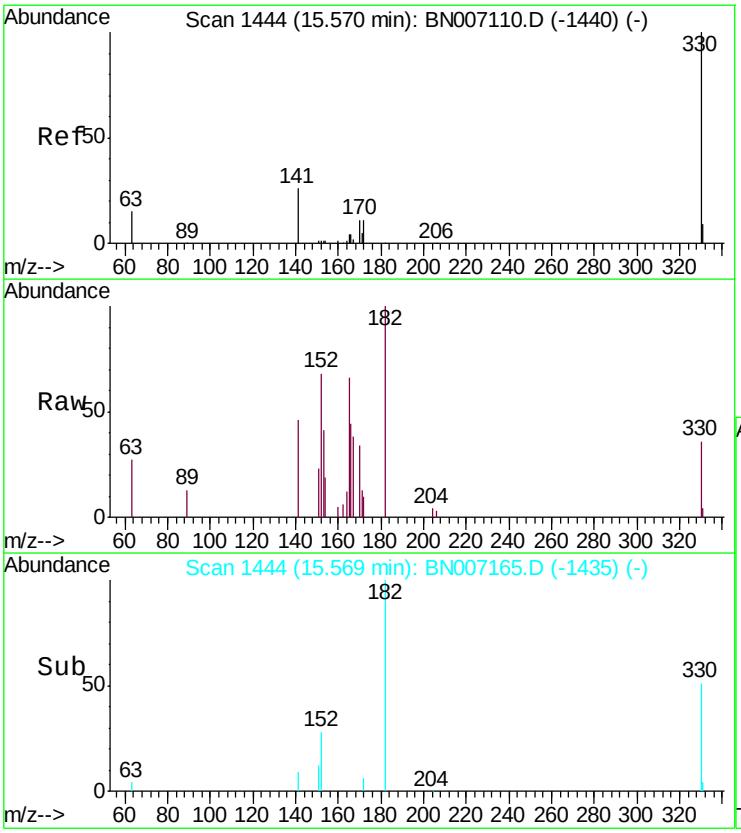
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:164 Resp: 21516

Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.2	123.4
160	47.8	38.3	57.5

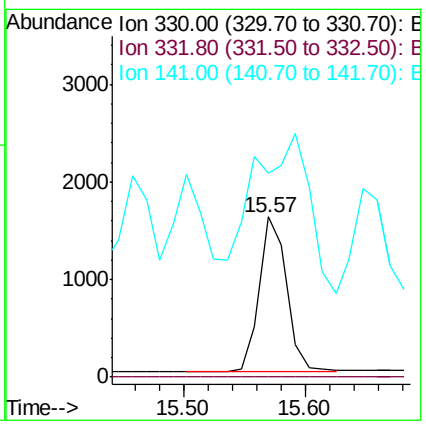


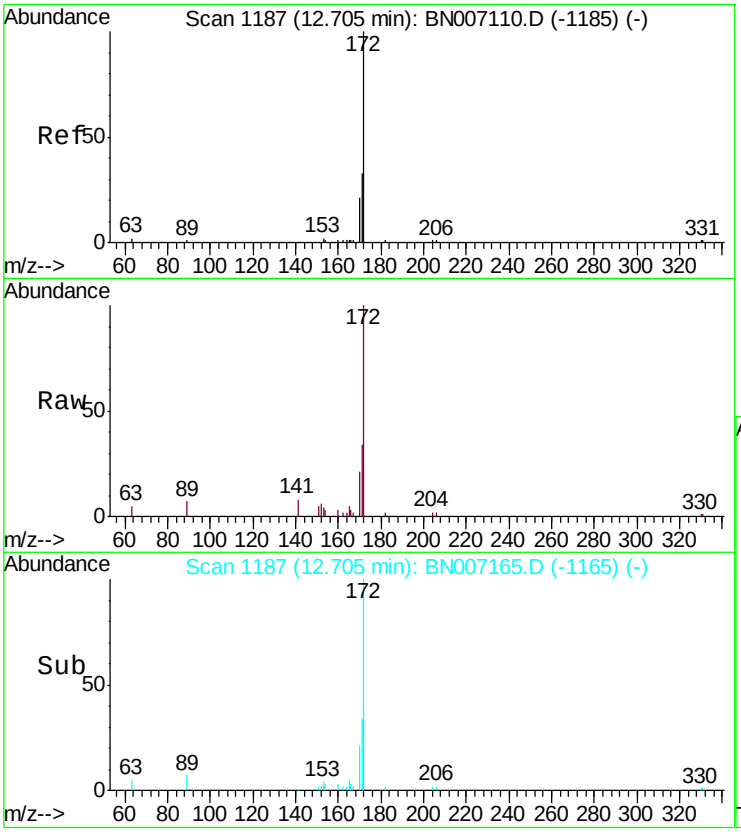


#13
2,4,6-Tribromophenol
Concen: 0.215 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:330 Resp: 2491

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



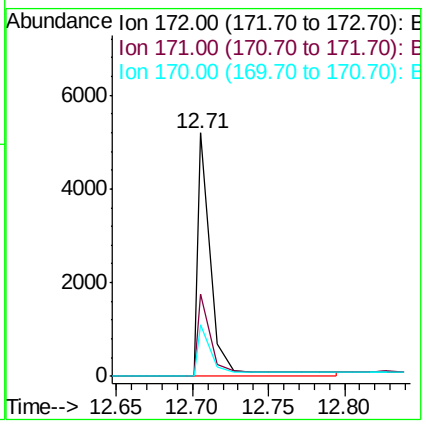


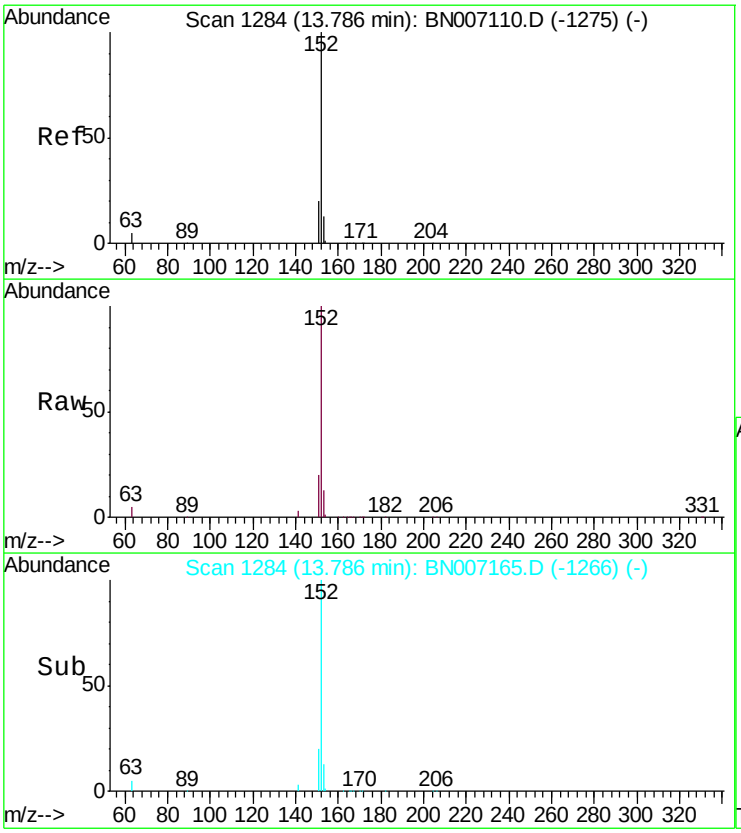
#14
2-Fluorobiphenyl
Concen: 0.124 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:172 Resp: 3869

Ion	Ratio	Lower	Upper
172	100		
171	33.8	26.3	39.5
170	21.0	17.0	25.4

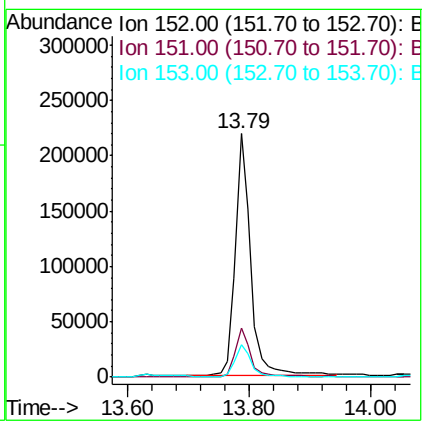


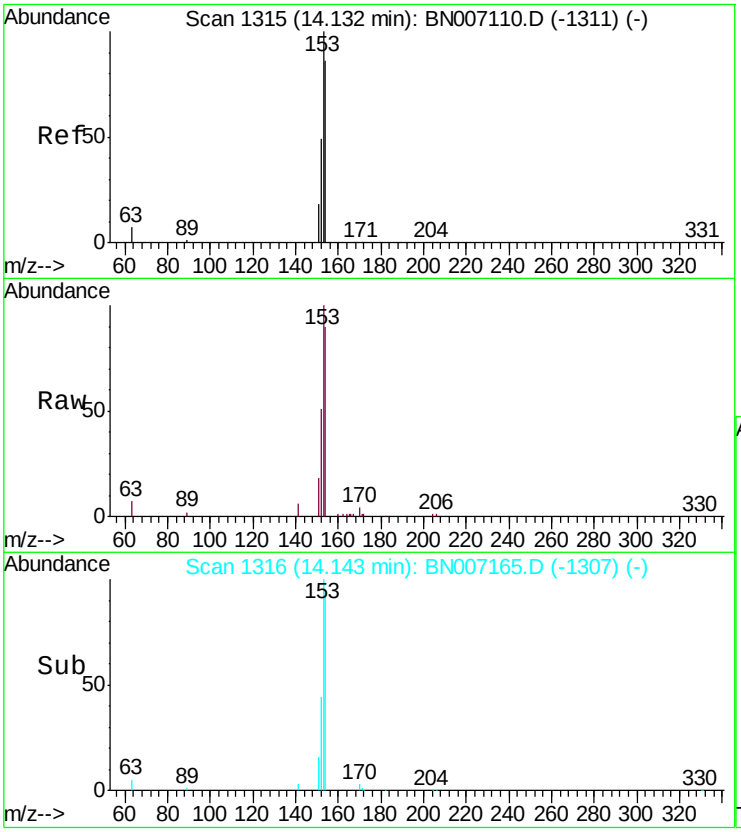


#15
Acenaphthylene
Concen: 3.405 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:152 Resp: 382943

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	13.4	10.4	15.6



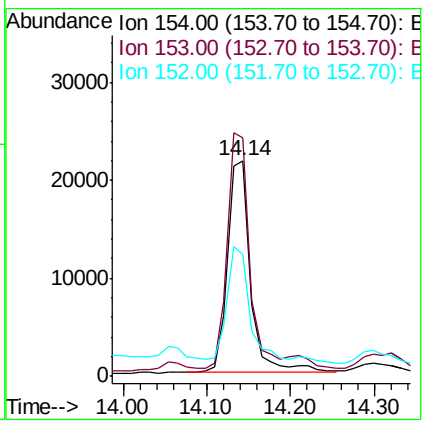


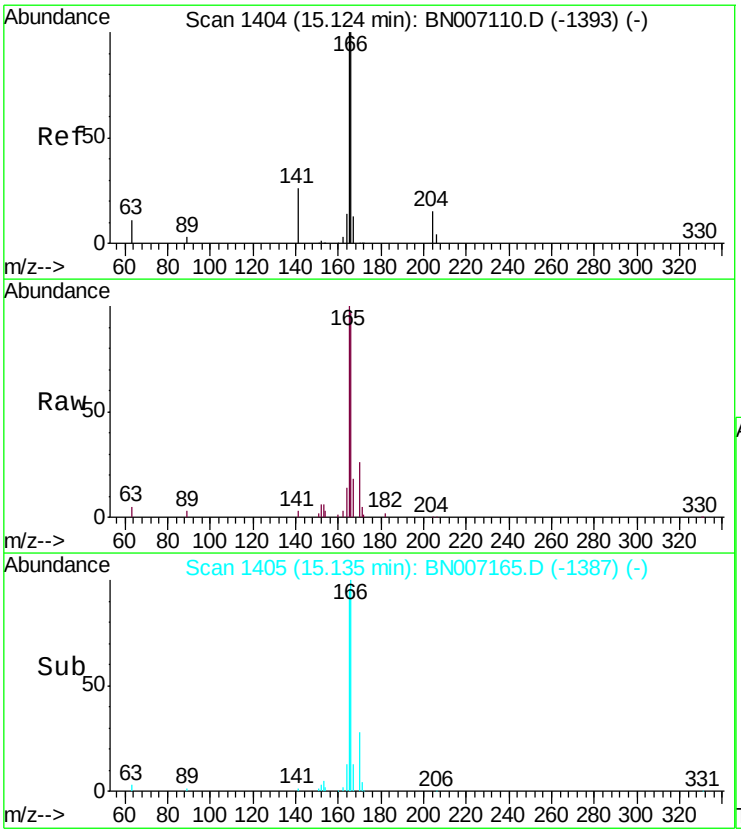
#16
Acenaphthene
Concen: 0.564 ng
RT: 14.14 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:154 Resp: 40631

Ion	Ratio	Lower	Upper
154	100		
153	109.8	89.5	134.3
152	51.0	44.8	67.2

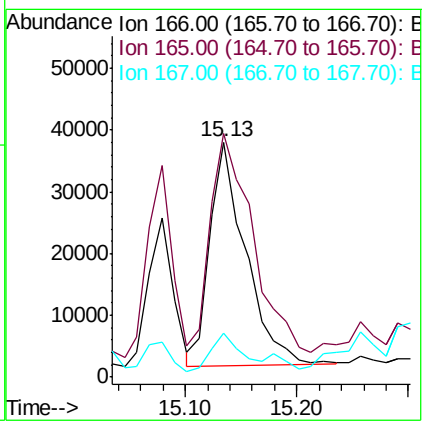


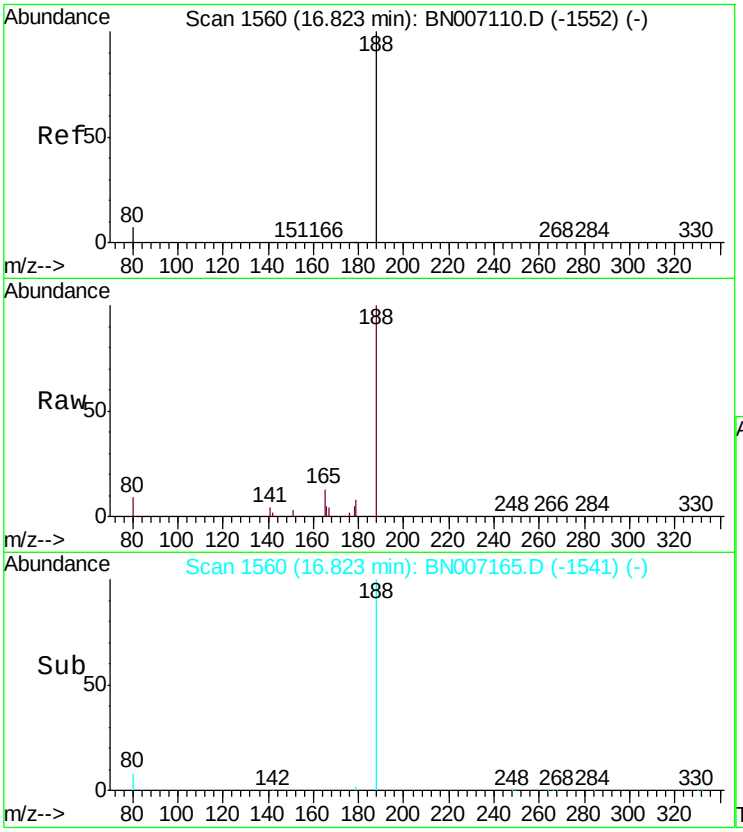


#17
Fluorene
Concen: 0.754 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:166 Resp: 81301

Ion	Ratio	Lower	Upper
166	100		
165	117.0	77.9	116.9#
167	14.9	10.9	16.3



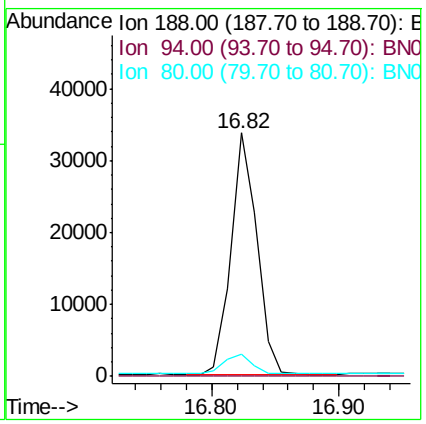


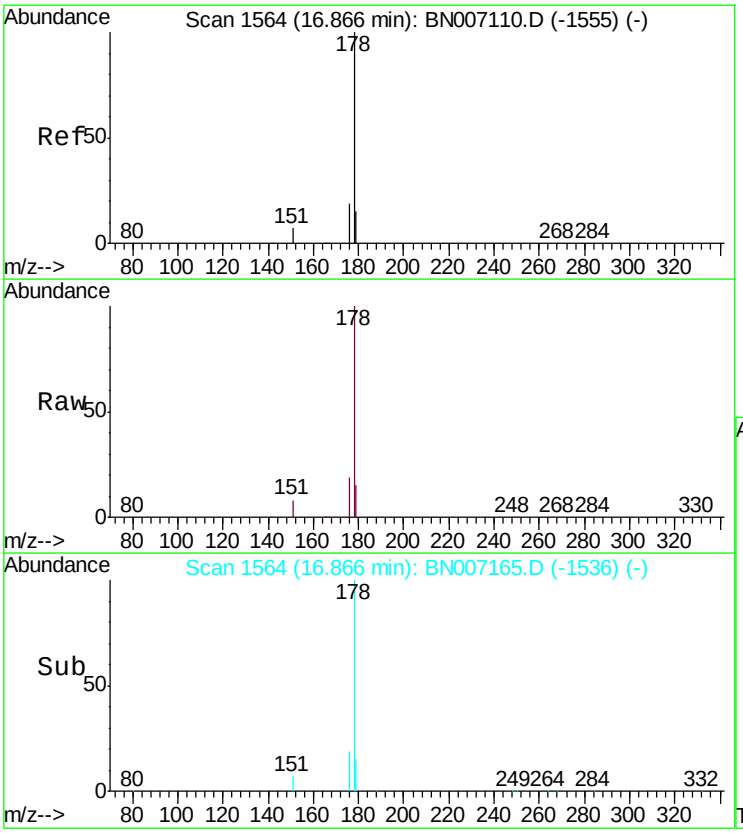
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:188 Resp: 47377

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	7.8	11.6

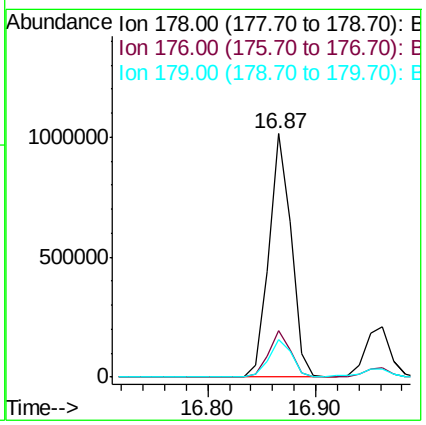


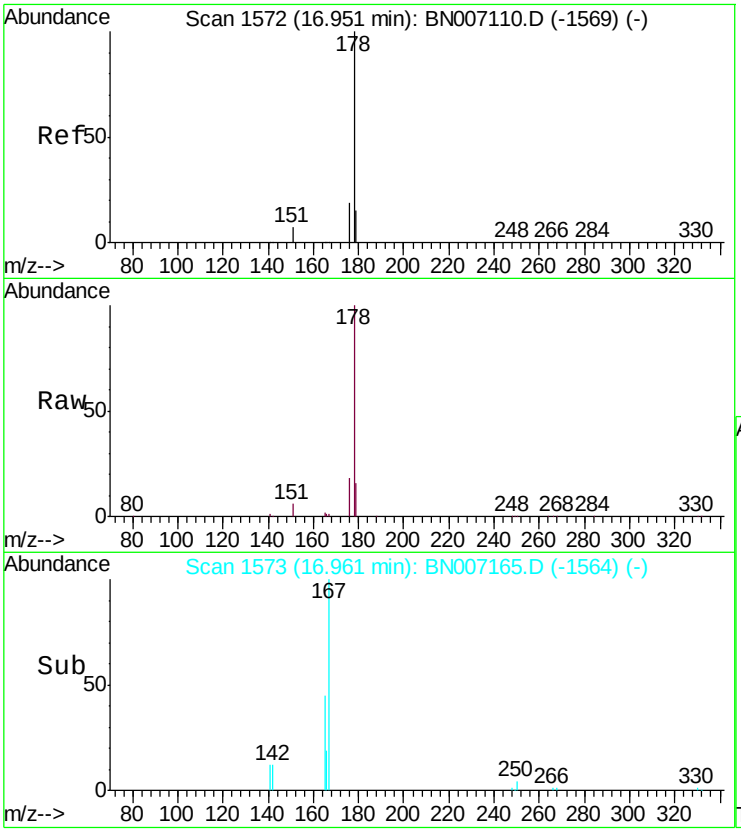


#22
Phenanthrene
Concen: 10.175 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:178 Resp: 1444712

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	16.0	12.3	18.5



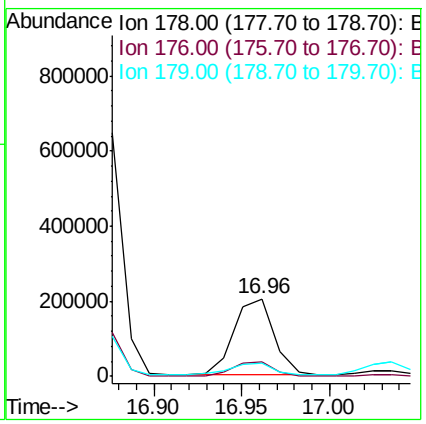


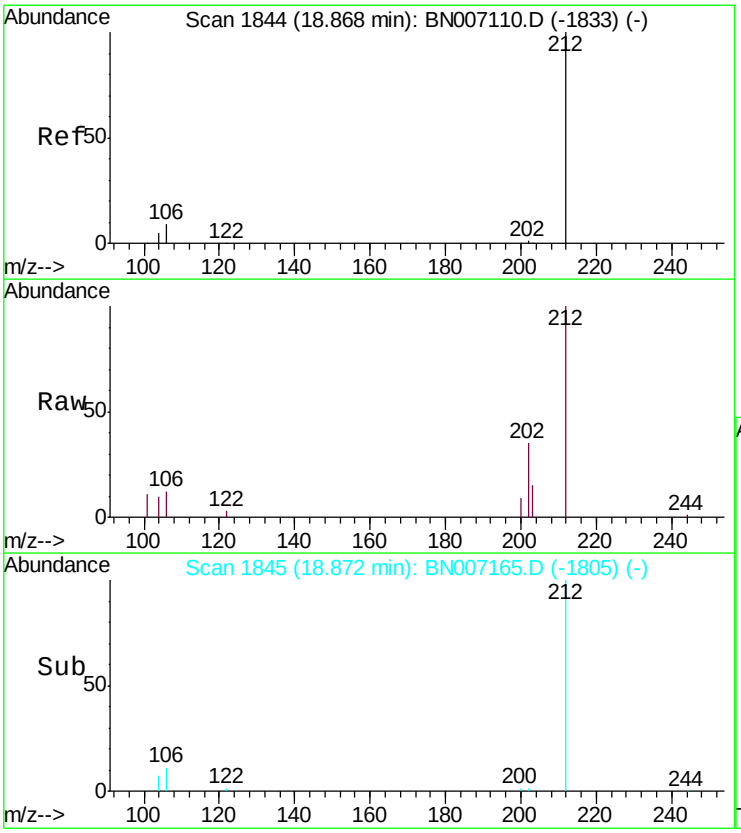
#23
Anthracene
Concen: 2.466 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:178 Resp: 319878

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	16.8	12.5	18.7

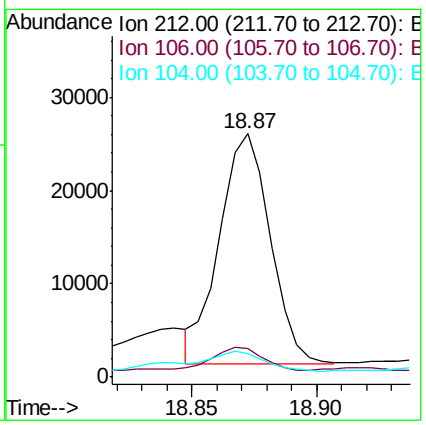


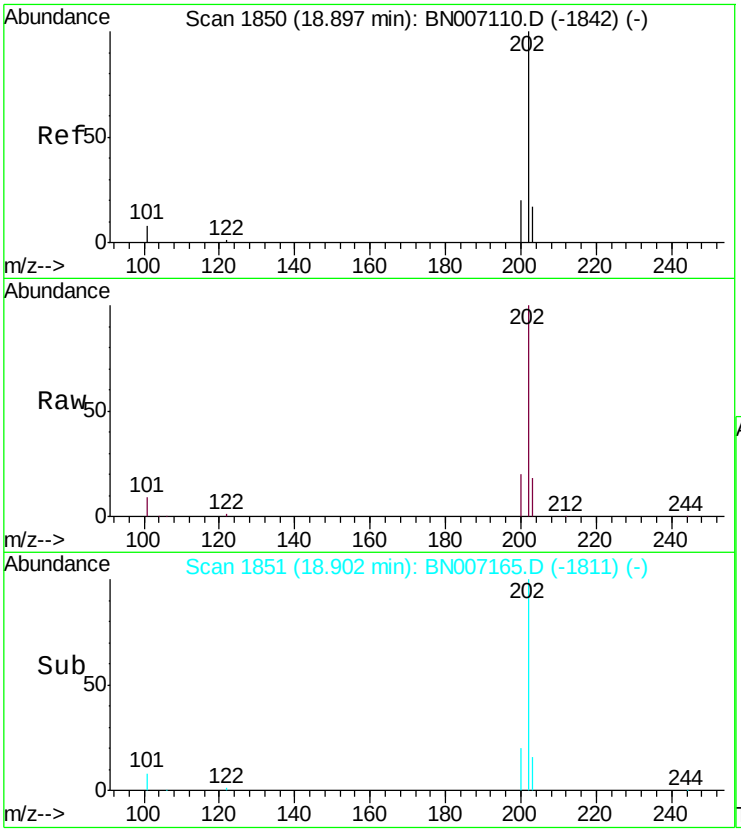


#24
Fluoranthene-d10
Concen: 0.209 ng m
RT: 18.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:212 Resp: 35093

Ion	Ratio	Lower	Upper
212	100		
106	2.4	8.2	12.2#
104	1.3	4.5	6.7#



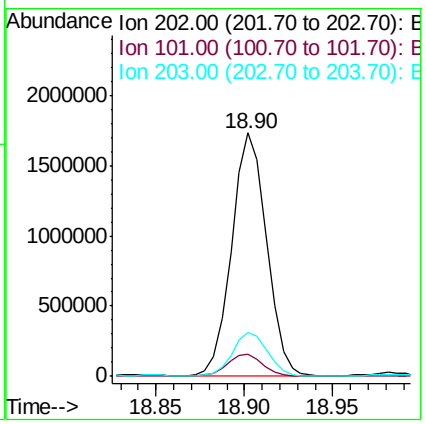


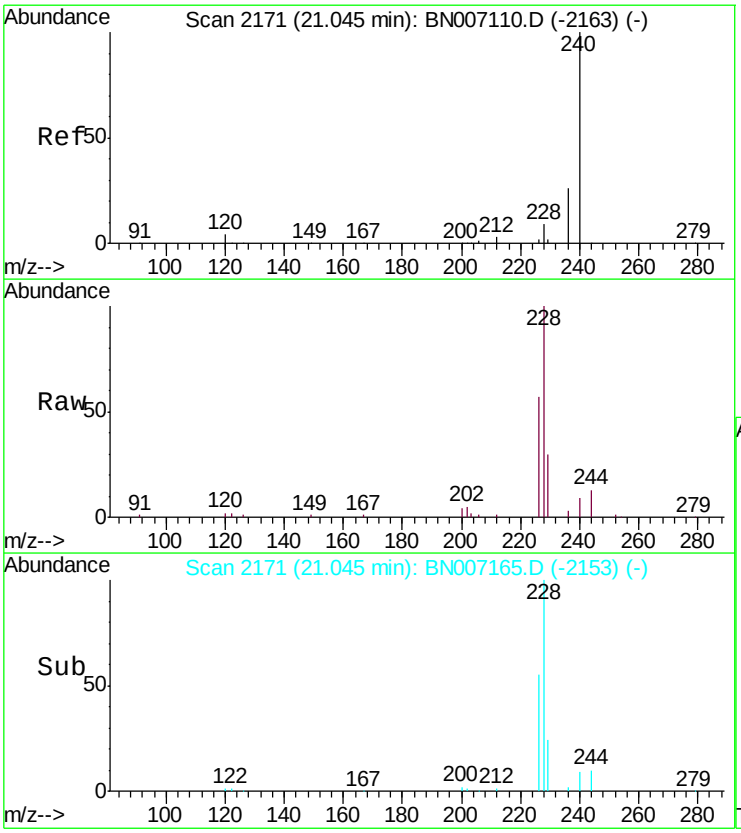
#25
Fluoranthene
Concen: 13.018 ng
RT: 18.90 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:202 Resp: 2364319

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.0	10.4
203	18.1	13.8	20.8

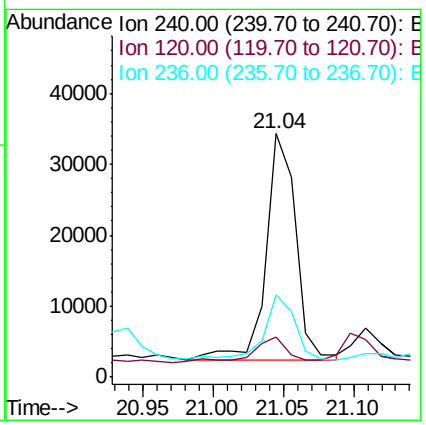


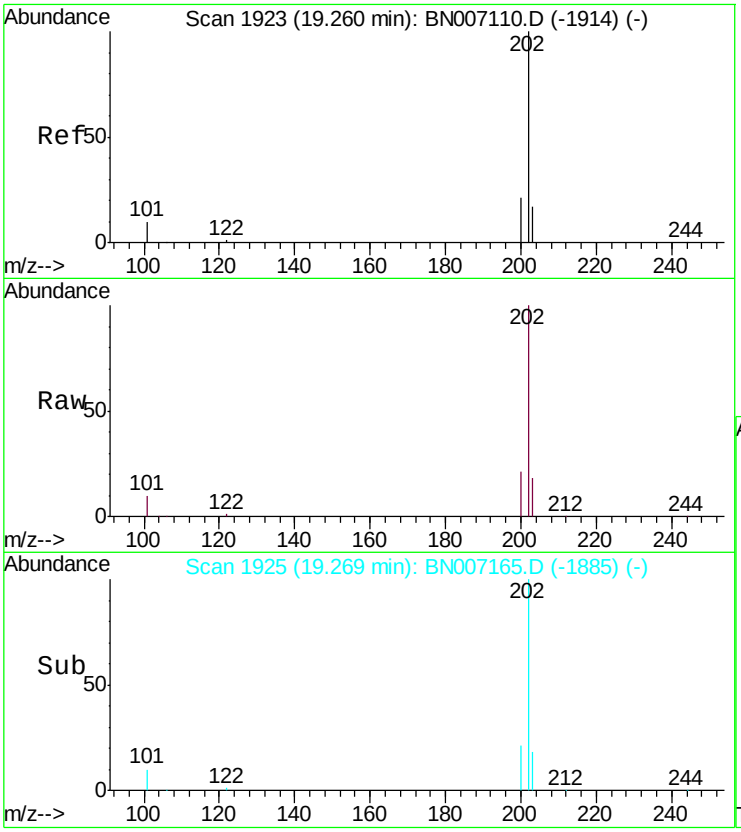


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.04 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:240 Resp: 47522

Ion	Ratio	Lower	Upper
240	100		
120	16.5	4.0	6.0#
236	33.6	21.3	31.9#



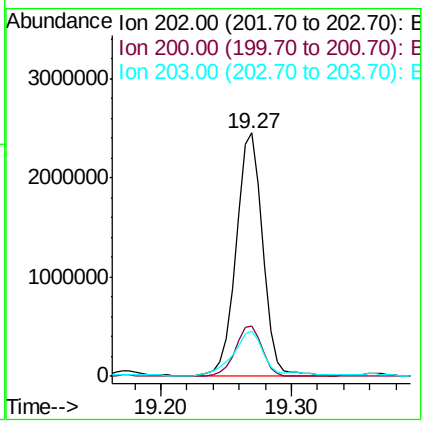


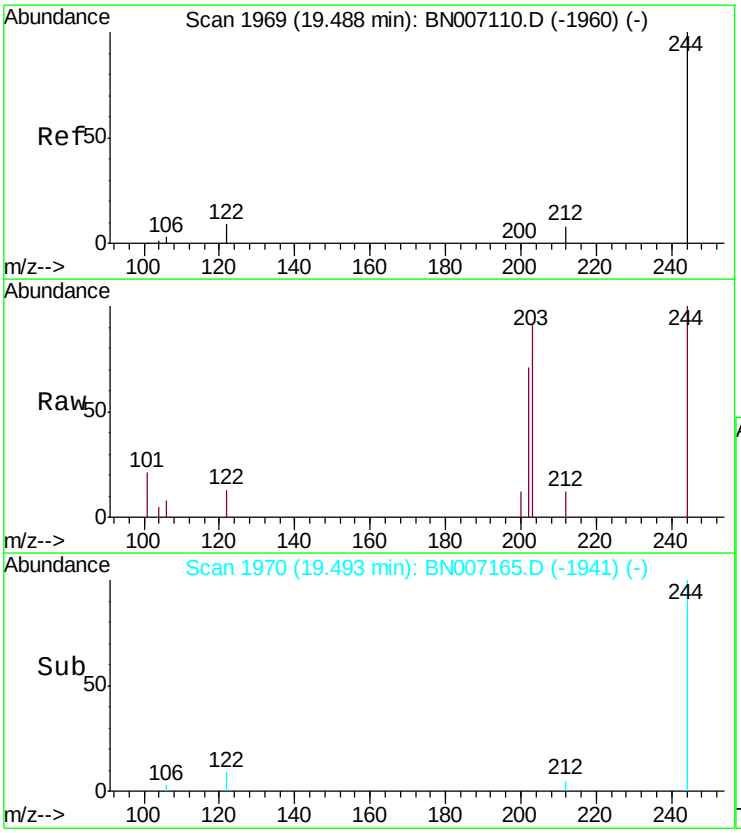
#27
Pyrene
Concen: 20.895 ng
RT: 19.27 min Scan# 1925
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:202 Resp: 3482219

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	24.8
203	20.7	14.0	21.0

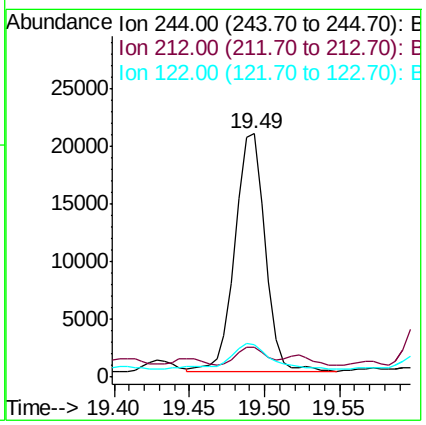


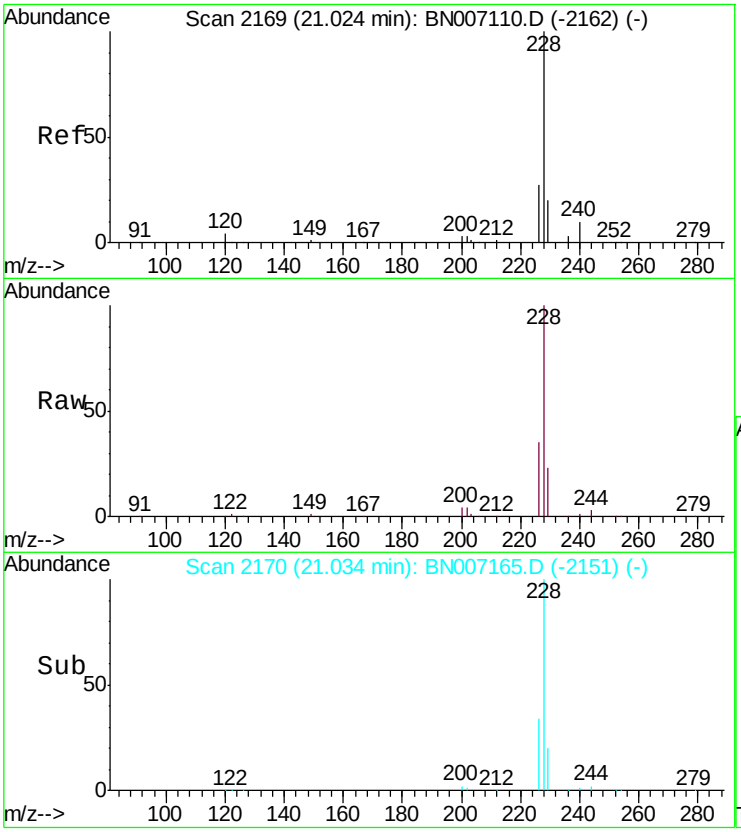


#28
Terphenyl-d14
Concen: 0.221 ng
RT: 19.49 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:244 Resp: 28592

Ion	Ratio	Lower	Upper
244	100		
212	12.5	6.2	9.2#
122	13.1	7.4	11.2#



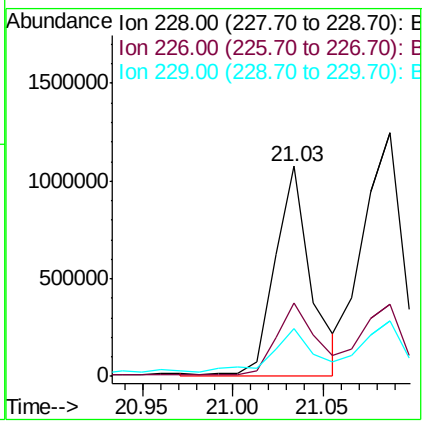


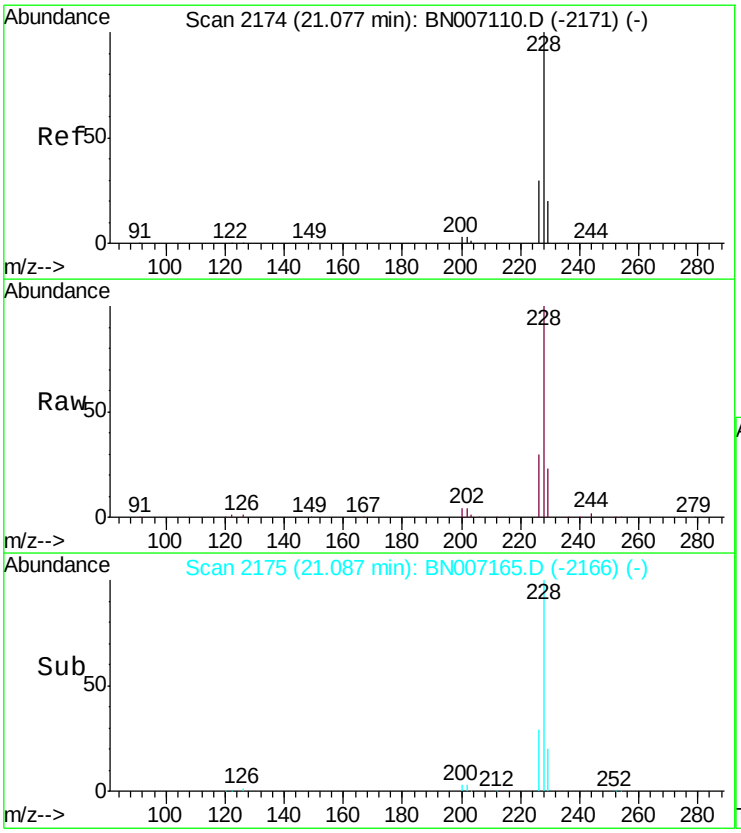
#29
Benzo(a)anthracene
Concen: 8.816 ng m
RT: 21.03 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:228 Resp: 1532131

Ion	Ratio	Lower	Upper
228	100		
226	34.9	21.8	32.6#
229	22.9	15.6	23.4

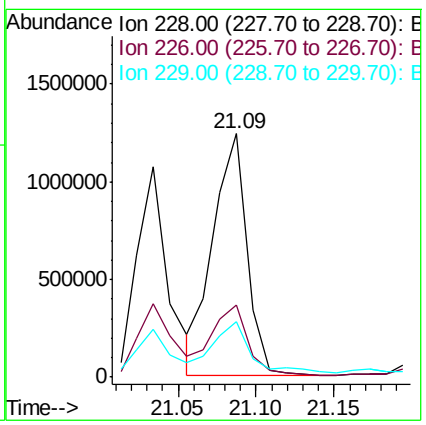


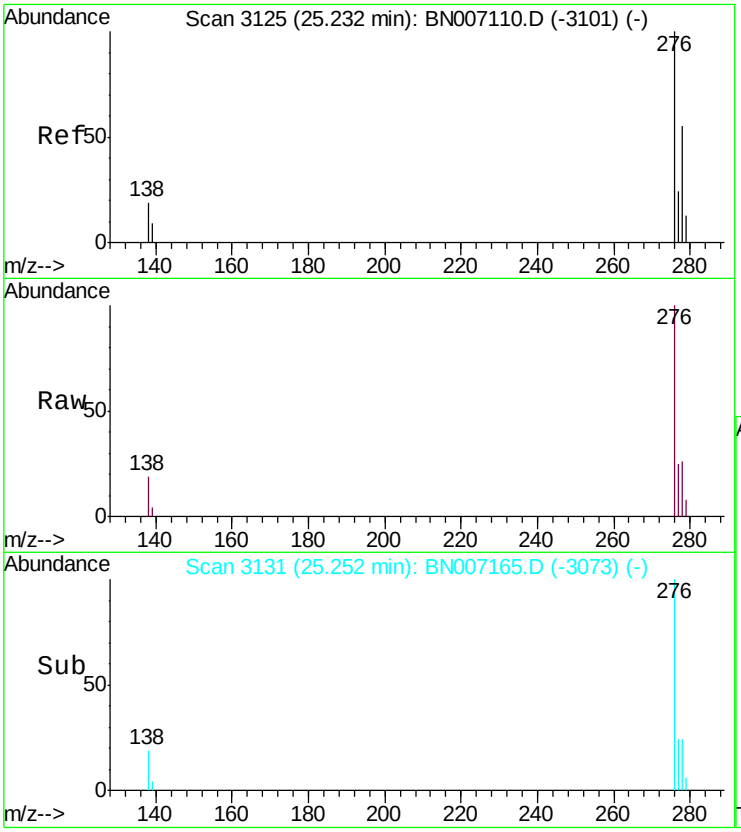


#30
Chrysene
Concen: 11.057 ng
RT: 21.09 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:228 Resp: 1867029

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.8	35.6
229	22.6	15.7	23.5



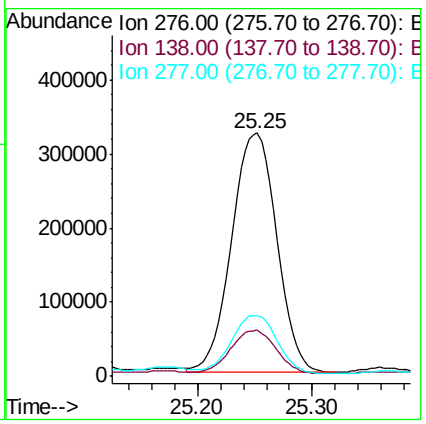


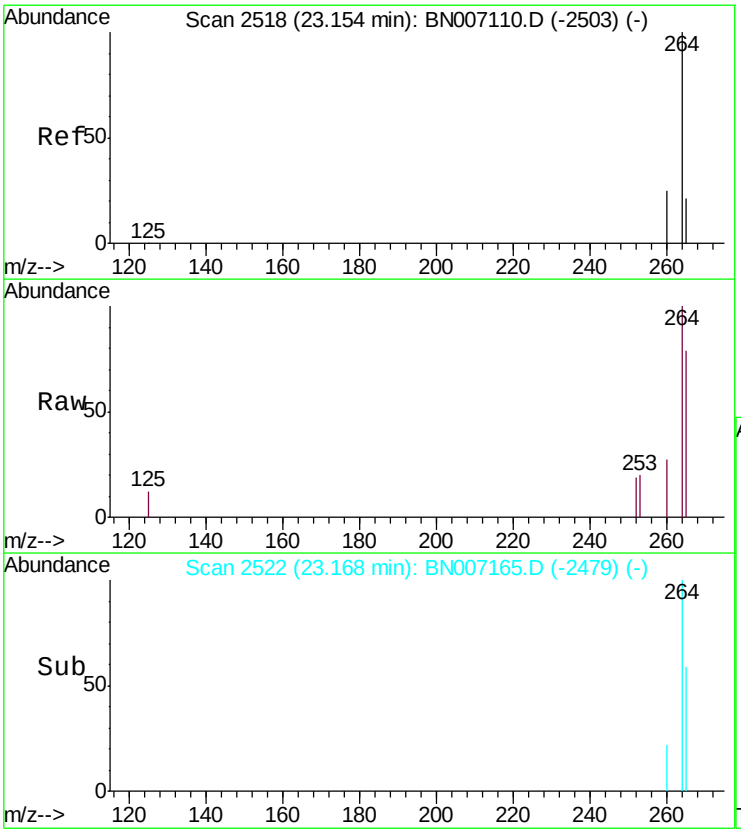
#31
Indeno(1,2,3-cd)pyrene
Concen: 4.736 ng
RT: 25.25 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:276 Resp: 881337

Ion	Ratio	Lower	Upper
276	100		
138	18.5	16.0	24.0
277	24.9	19.9	29.9

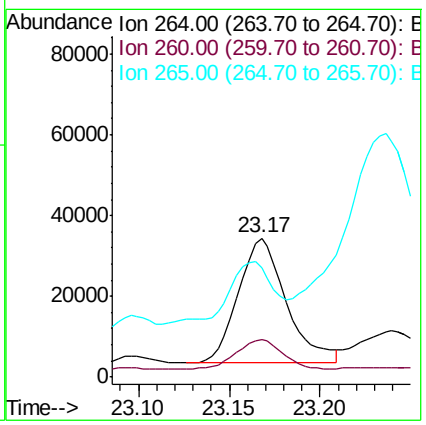


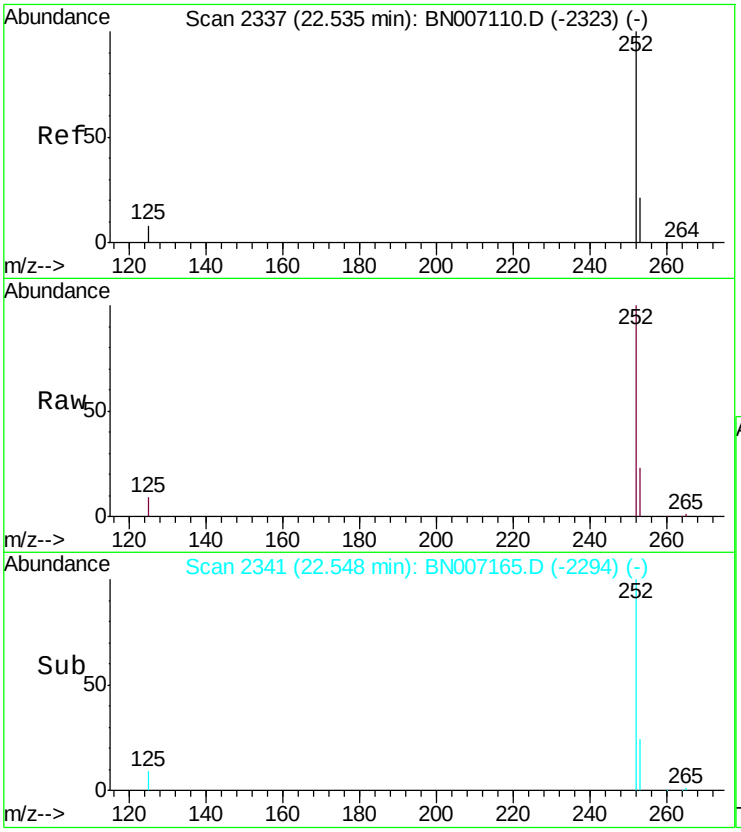


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.17 min Scan# 2522
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:264 Resp: 57035

Ion	Ratio	Lower	Upper
264	100		
260	27.2	19.8	29.8
265	78.5	26.2	39.4#



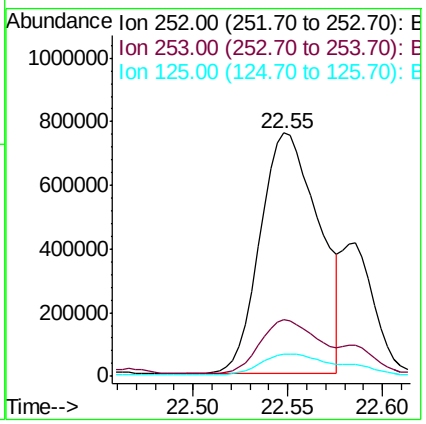


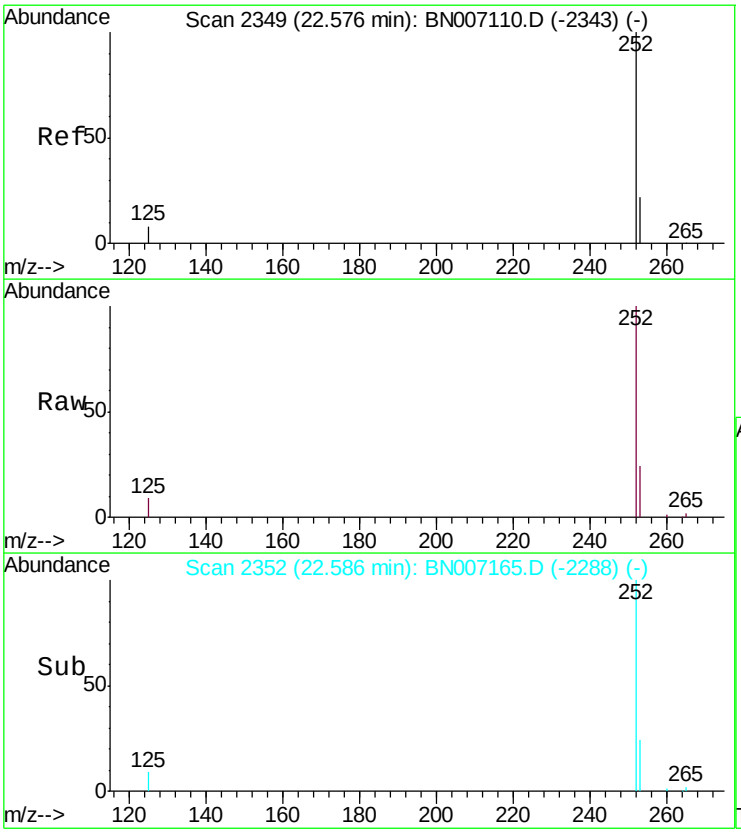
#33
Benzo(b)fluoranthene
Concen: 8.346 ng
RT: 22.55 min Scan# 2341
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:252 Resp: 1632192

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	9.1	7.4	11.0

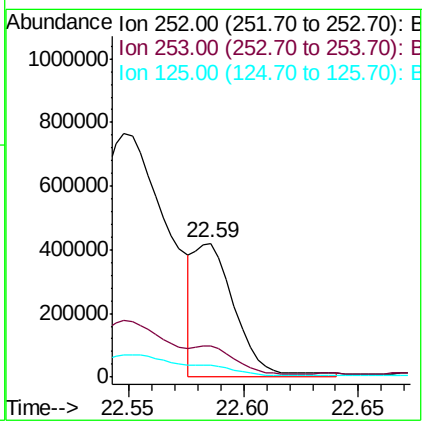


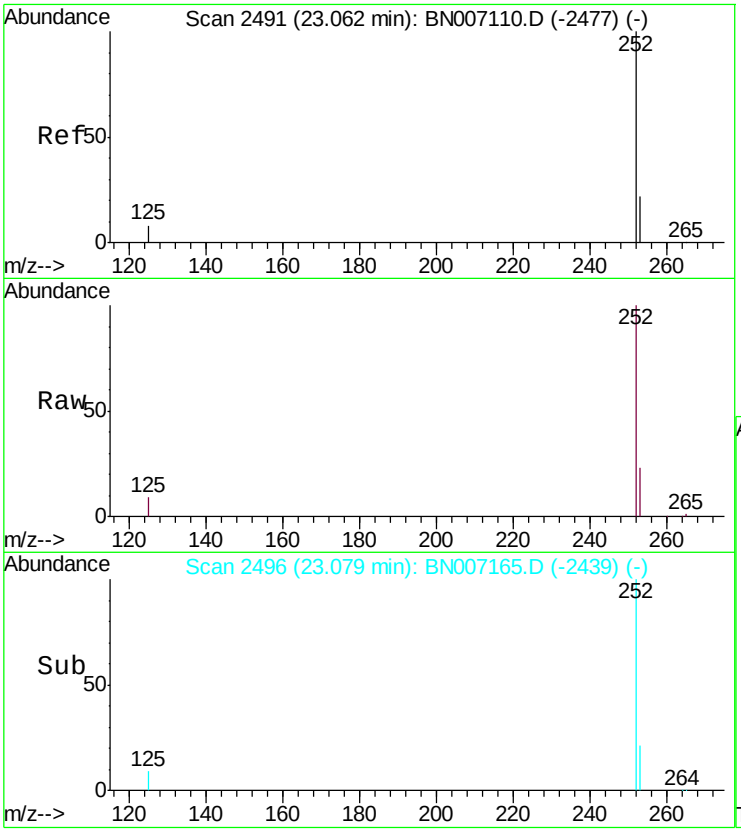


#34
Benzo(k)fluoranthene
Concen: 2.754 ng m
RT: 22.59 min Scan# 2352
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:252 Resp: 531864

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	9.0	7.4	11.0



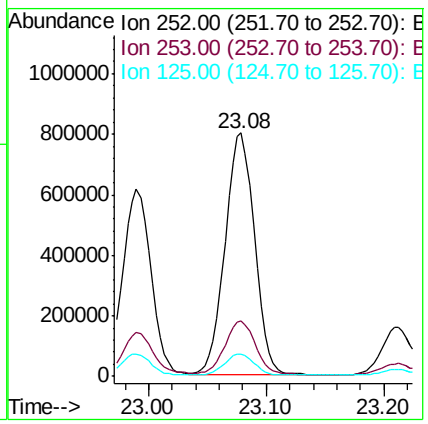


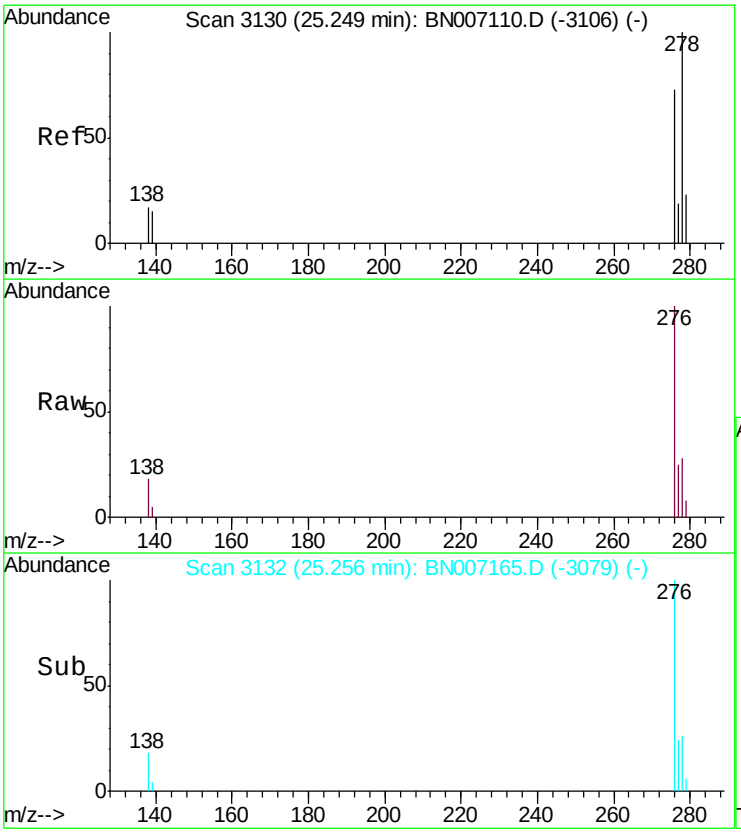
#35
Benzo(a)pyrene
Concen: 7.798 ng
RT: 23.08 min Scan# 2496
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:252 Resp: 1382646

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	9.2	8.2	12.4

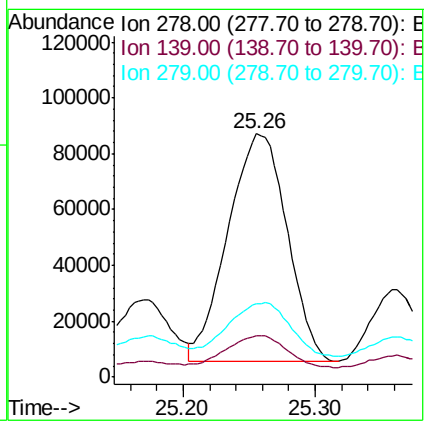


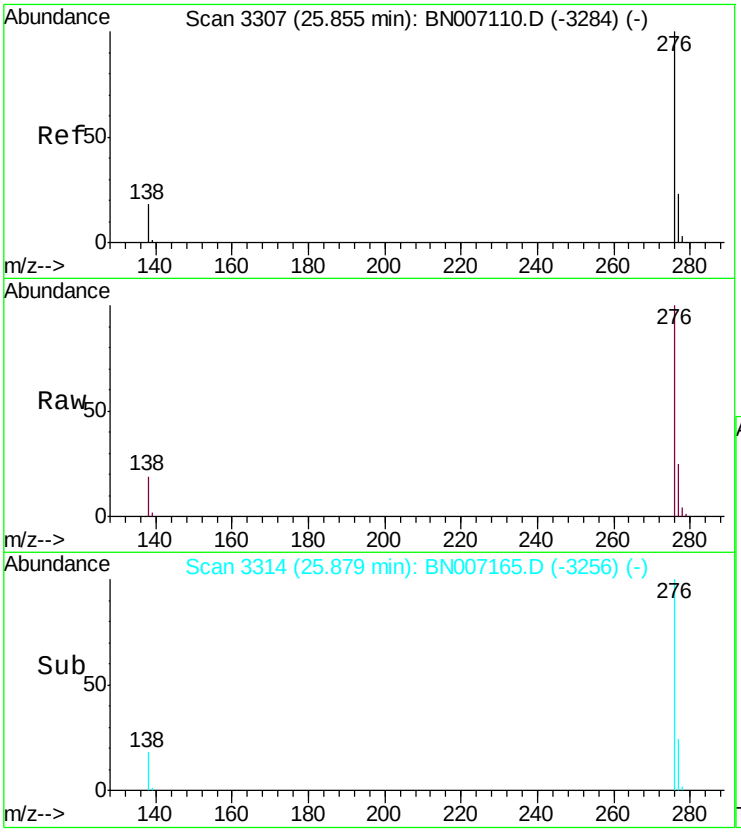


#36
Dibenzo(a,h)anthracene
Concen: 1.437 ng
RT: 25.26 min Scan# 3132
Delta R.T. -0.02 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Tgt Ion:278 Resp: 254292

Ion	Ratio	Lower	Upper
278	100		
139	16.9	11.3	16.9
279	30.4	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 5.328 ng
RT: 25.88 min Scan# 3314
Delta R.T. -0.00 min
Lab File: BN007165.D
Acq: 14 Aug 2019 12:21

Instrument :
BNA_N
ClientSampleId :
EXT-032-SW176-073119

Tgt Ion:276 Resp: 969618

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.8	29.8
138	18.9	14.6	22.0