Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007116.D
Acq On : 13 Aug 2019 05:42
Operator : HP/JU
Sample : K4144-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Aug 13 08:28:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9714	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	37957	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	23234	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	53452	0.40	ng		0.00
26) Chrysene-d12	21.05	240	51773	0.40	ng		-0.01
32) Perylene-d12	23.16	264	57635	0.40	ng		-0.01
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	5974	0.26	ng		0.00
4) Phenol-d6	6.61	99	7985	0.28	ng		0.00
7) Nitrobenzene-d5	8.56	82	6657	0.22	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	14911	0.21	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2680	0.21	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	3632	0.11	ng		0.00
24) Fluoranthene-d10	18.87	212	39194	0.21	ng		0.00
28) Terphenyl-d14	19.49	244	30599	0.22	ng		-0.01
Target Compounds							Qvalue
8) Naphthalene	10.24	128	9755	0.092	ng	#	94
11) 2-Methylnaphthalene	11.87	142	6289	0.083	ng	#	92
15) Acenaphthylene	13.79	152	119225	0.982	ng		99
16) Acenaphthene	14.13	154	6180	0.079	ng		95
17) Fluorene	15.13	166	17898	0.154	ng	#	79
21) Pentachlorophenol	16.48	266	326	0.028	ng	#	83
22) Phenanthrene	16.87	178	318527	1.988	ng		100
23) Anthracene	16.95	178	125559	0.858	ng		97
25) Fluoranthene	18.90	202	816655	3.985	ng		99
27) Pyrene	19.26	202	778338	4.287	ng	#	95
29) Benzo(a)anthracene	21.02	228	376691m	1.990	ng		
30) Chrysene	21.08	228	518347	2.818	ng		97
31) Indeno(1,2,3-cd)pyrene	25.24	276	379316	1.871	ng		99
33) Benzo(b)fluoranthene	22.54	252	718775	3.637	ng	#	98
34) Benzo(k)fluoranthene	22.58	252	236523m	1.212	ng		
35) Benzo(a)pyrene	23.07	252	430614	2.403	ng		98
36) Dibenzo(a,h)anthracene	25.25	278	92115	0.515	ng	#	76
37) Benzo(g,h,i)perylene	25.87	276	419028	2.279	ng		98

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

Quantitation Report (QT Reviewed)

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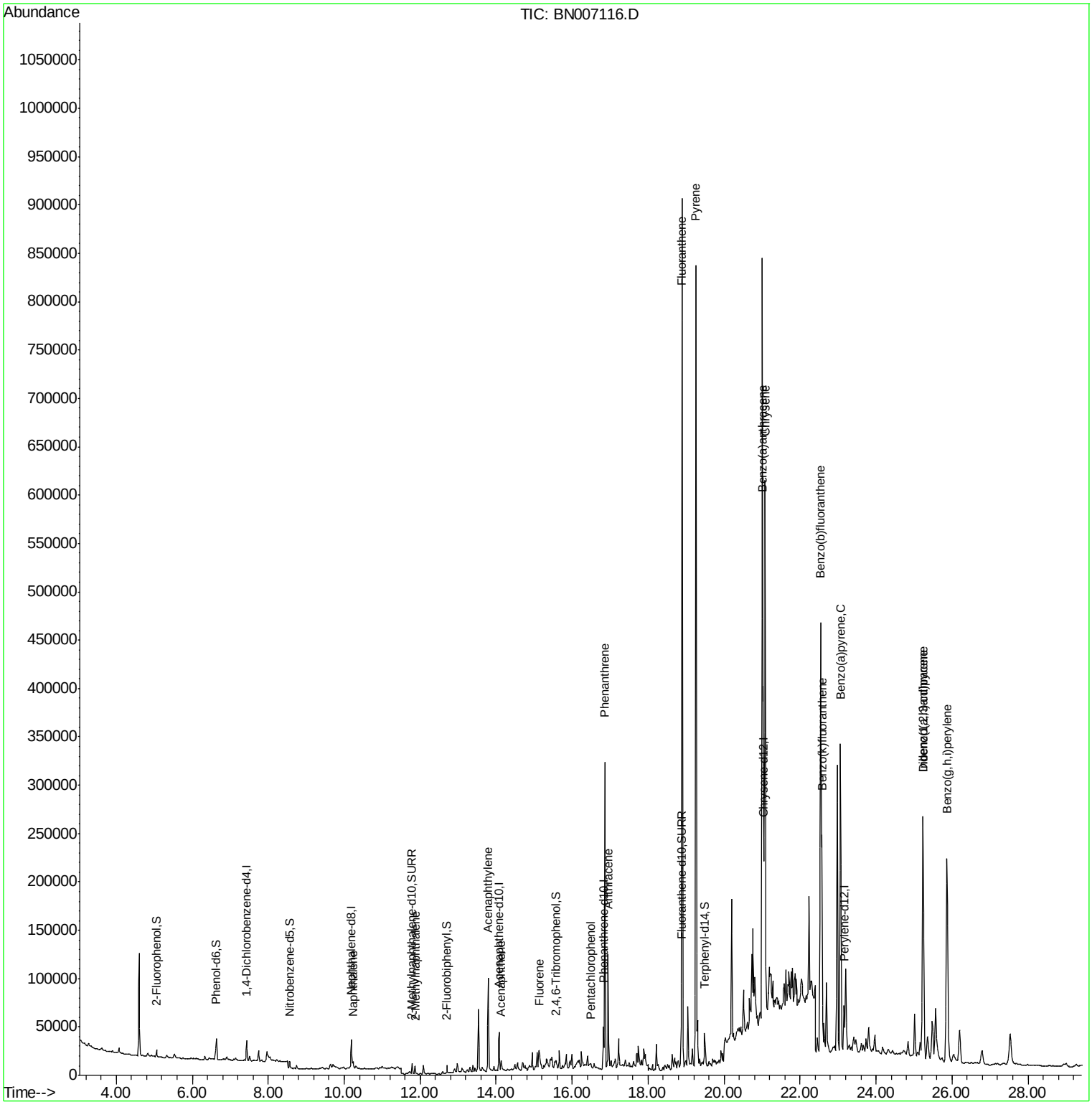
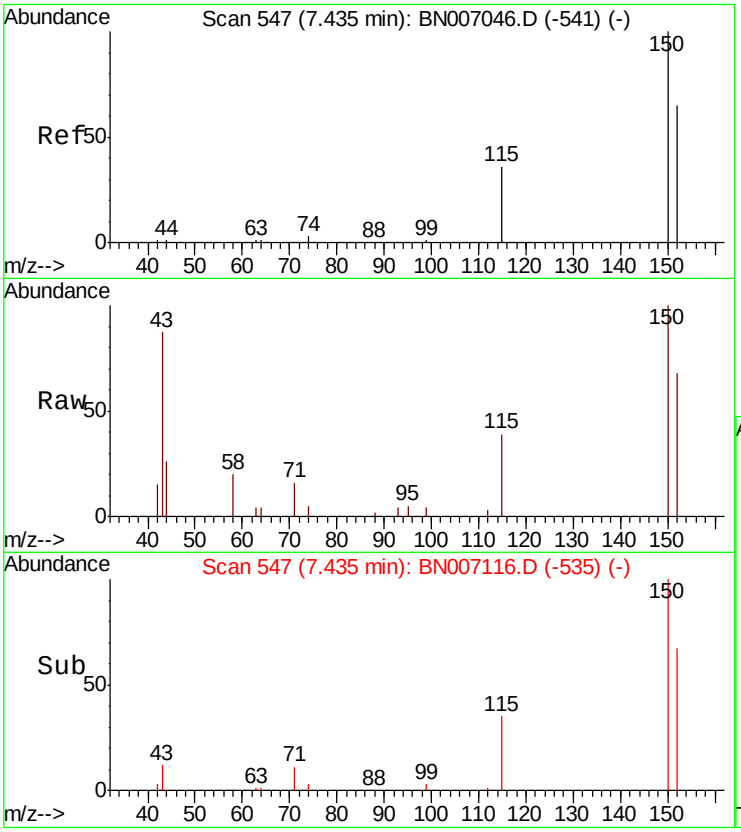
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration



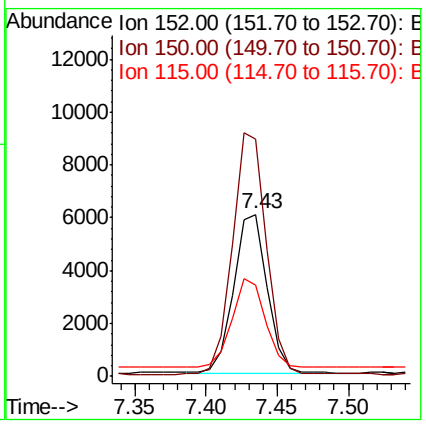


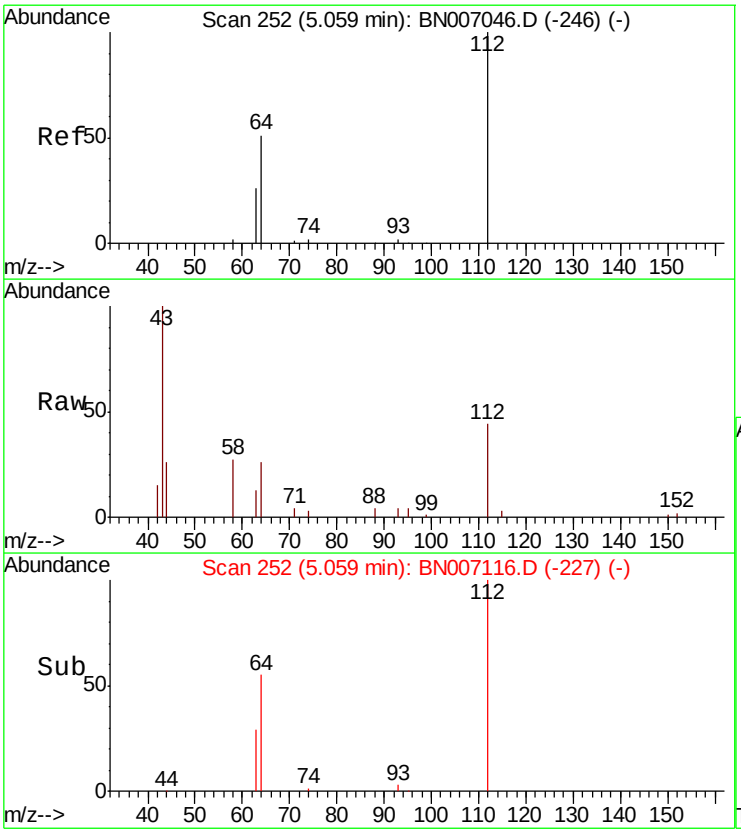
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 9714

Ion	Ratio	Lower	Upper
152	100		
150	146.9	121.7	182.5
115	56.7	46.2	69.4

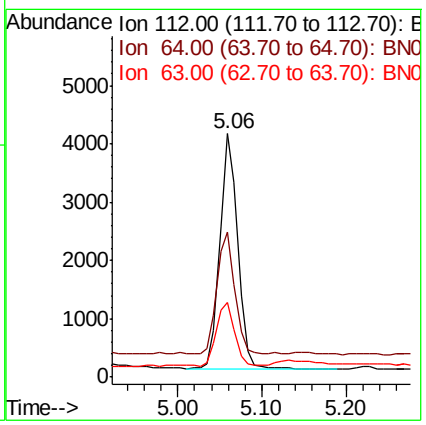


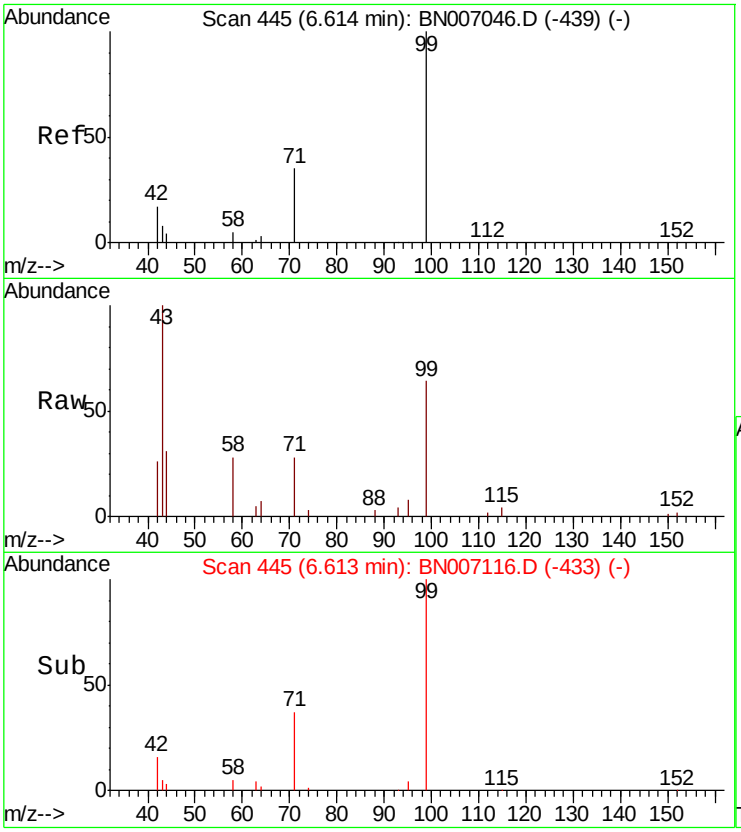


#3
2-Fluorophenol
Concen: 0.256 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:112 Resp: 5974

Ion	Ratio	Lower	Upper
112	100		
64	51.5	42.6	63.8
63	26.9	22.2	33.2



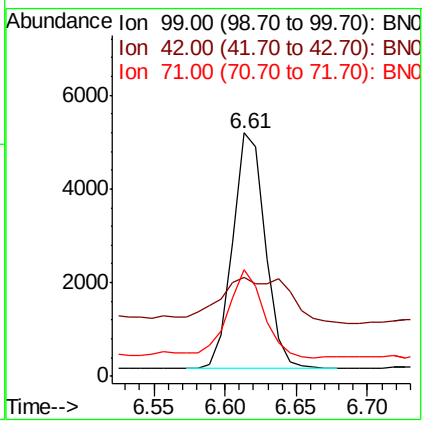


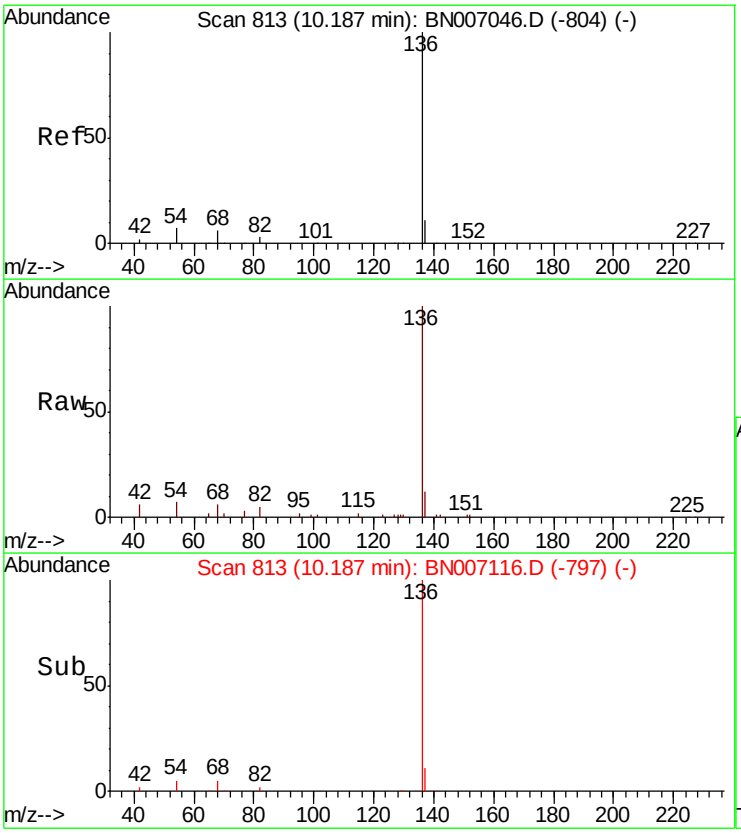
#4
Phenol-d6
Concen: 0.276 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 7985

Ion	Ratio	Lower	Upper
99	100		
42	42.8	15.8	23.6#
71	41.9	27.0	40.4#

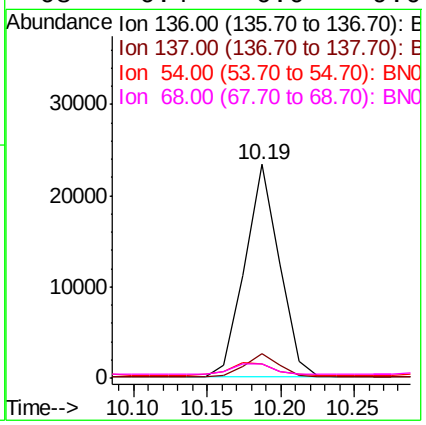


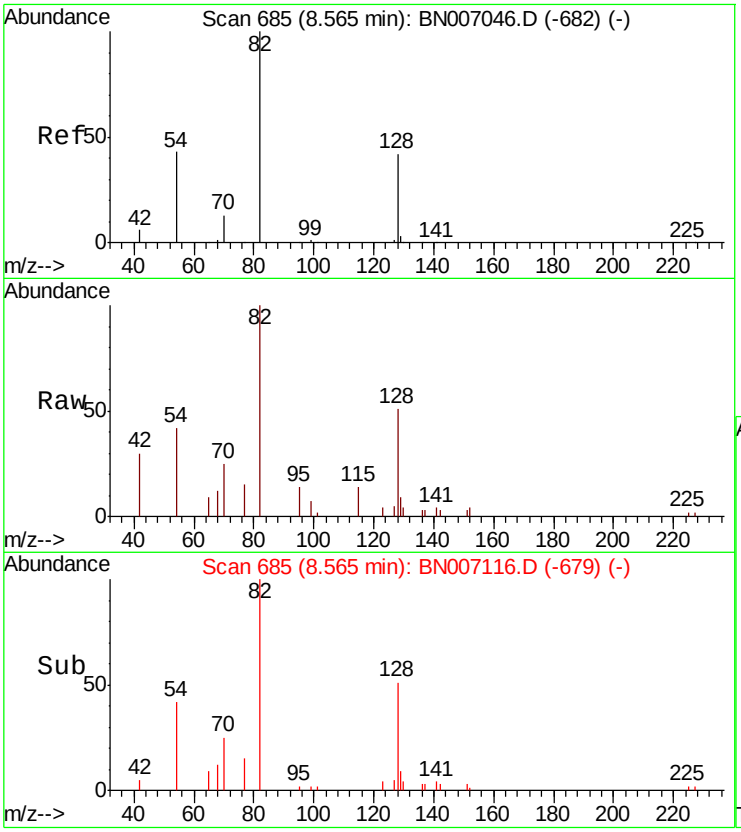


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:136 Resp: 37957

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.4	14.0
54	6.5	6.6	9.8#
68	6.4	6.0	9.0



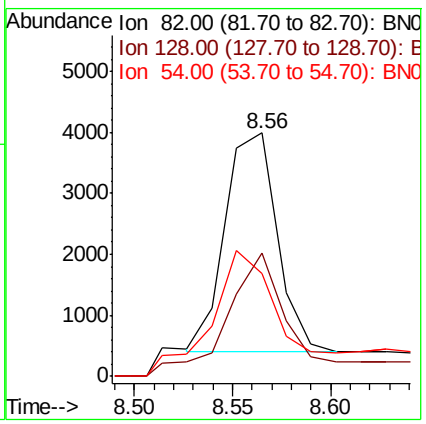


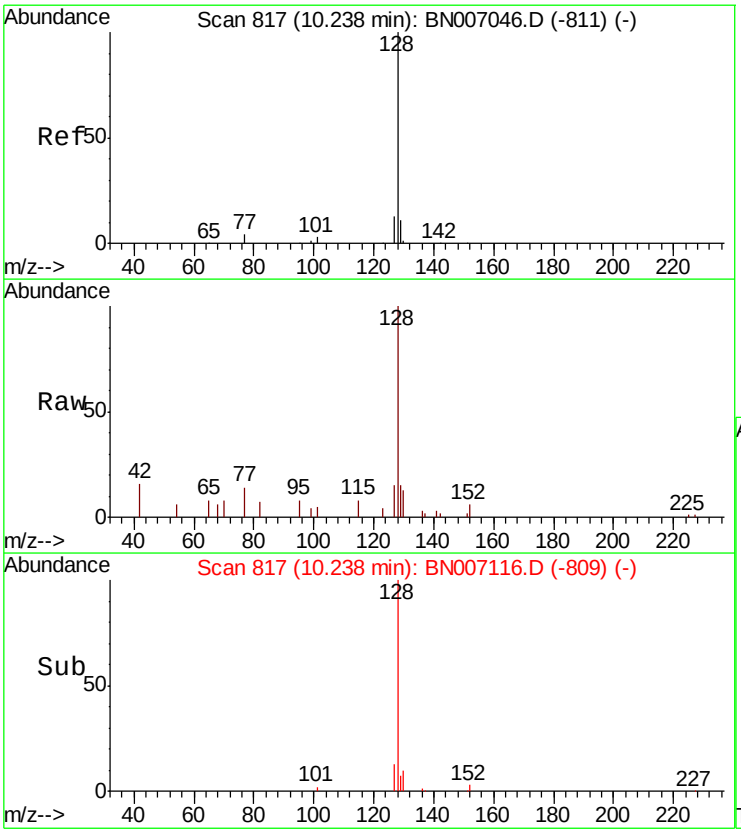
#7
Nitrobenzene-d5
Concen: 0.218 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 82 Resp: 6657

Ion	Ratio	Lower	Upper
82	100		
128	50.6	34.6	51.8
54	42.5	36.2	54.4

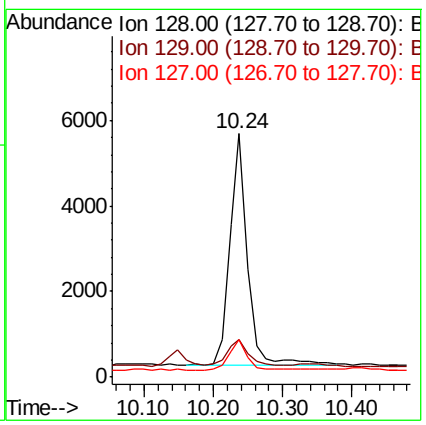


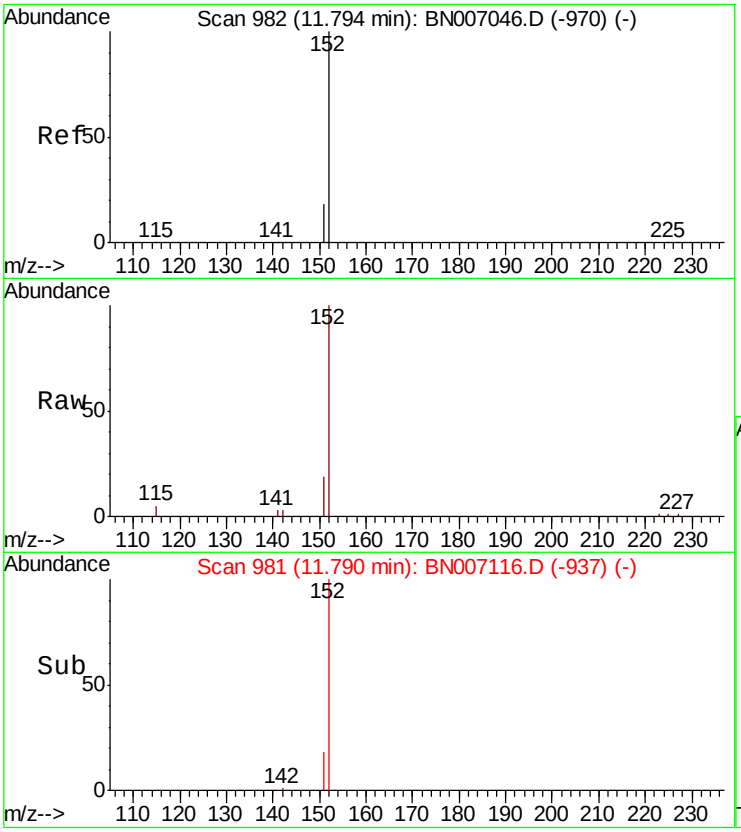


#8
Naphthalene
Concen: 0.092 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:128 Resp: 9755

Ion	Ratio	Lower	Upper
128	100		
129	15.3	9.4	14.2#
127	15.4	11.0	16.6



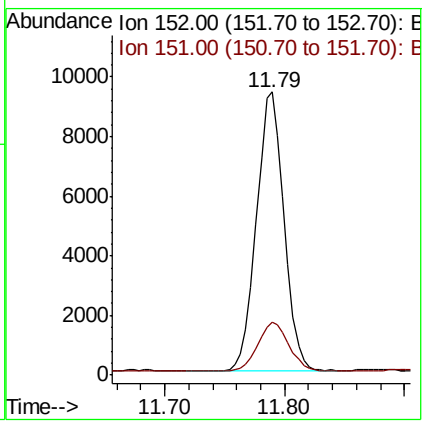


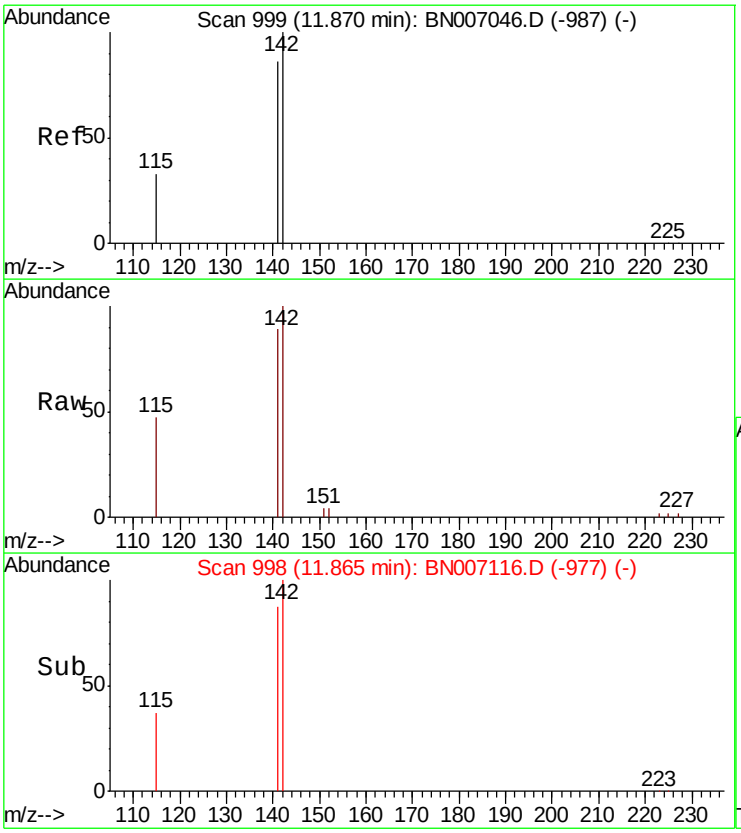
#10
2-Methylnaphthalene-d10
Concen: 0.211 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 14911

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3

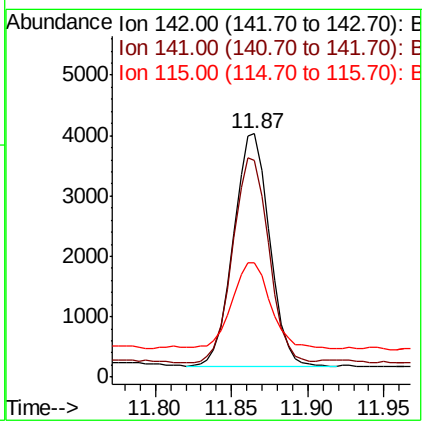


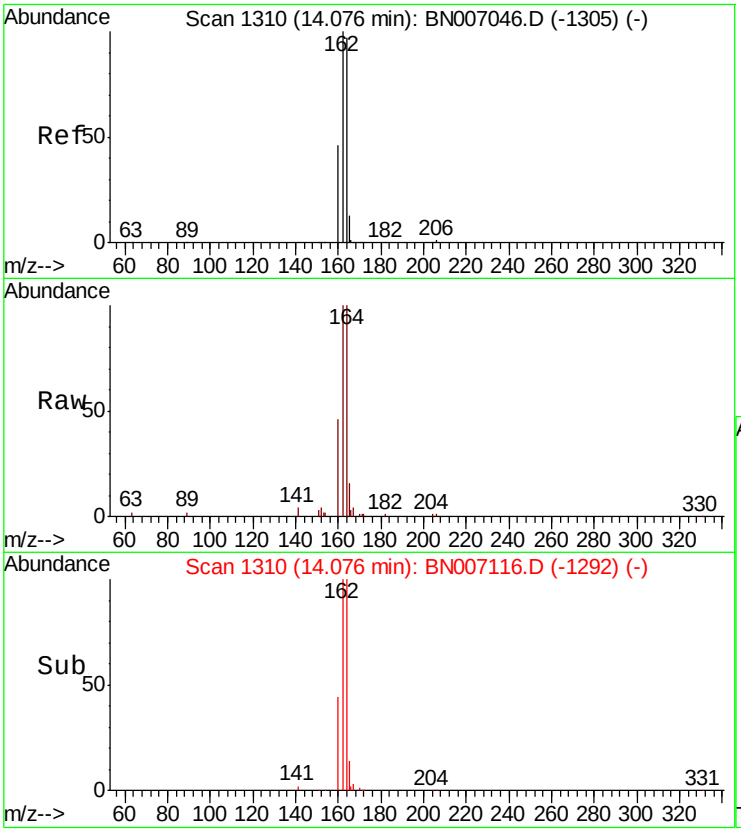


#11
2-Methylnaphthalene
Concen: 0.083 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:142 Resp: 6289

Ion	Ratio	Lower	Upper
142	100		
141	88.9	69.0	103.6
115	46.9	27.1	40.7#



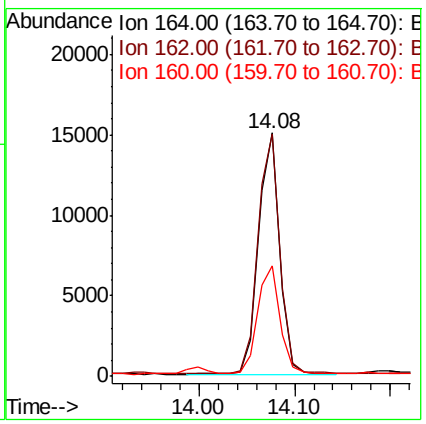


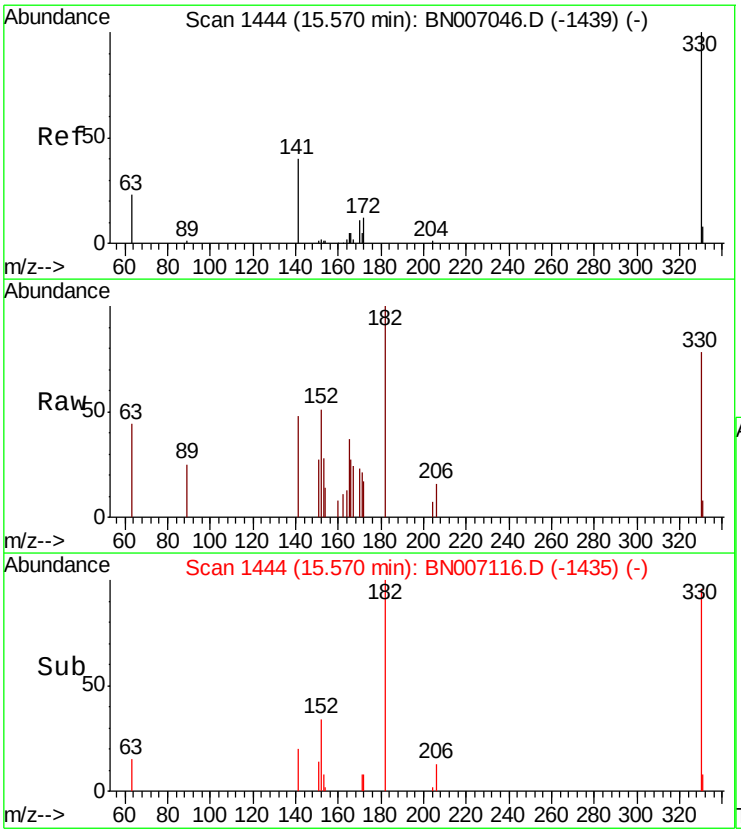
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 23234

Ion	Ratio	Lower	Upper
164	100		
162	99.6	82.2	123.4
160	45.6	38.3	57.5

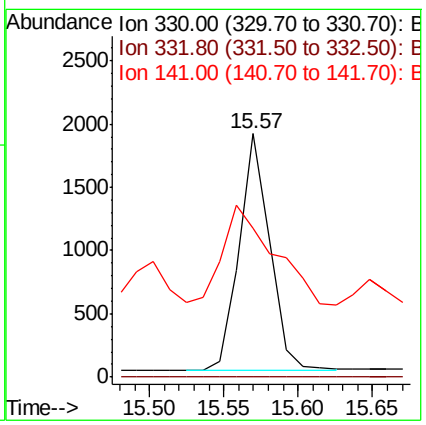


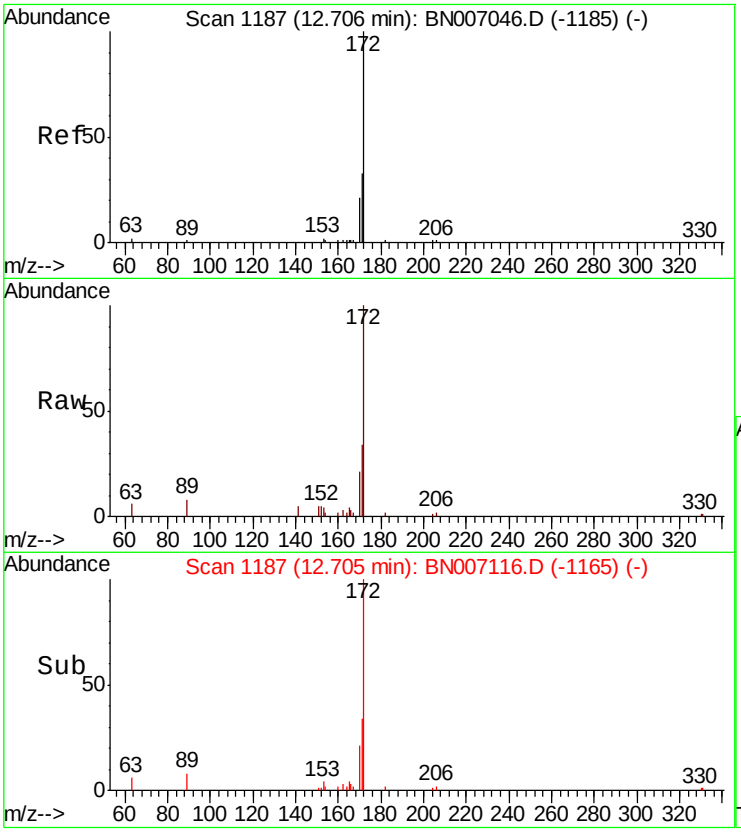


#13
2,4,6-Tribromophenol
Concen: 0.214 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:330 Resp: 2680

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	70.0	33.6	50.4#



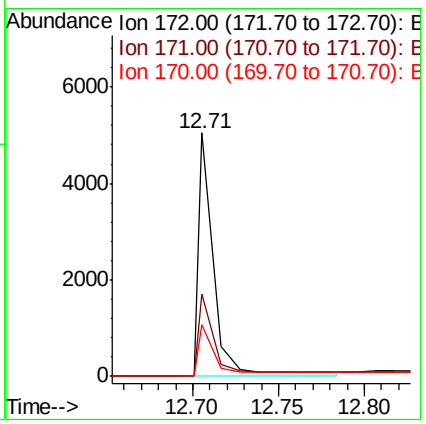


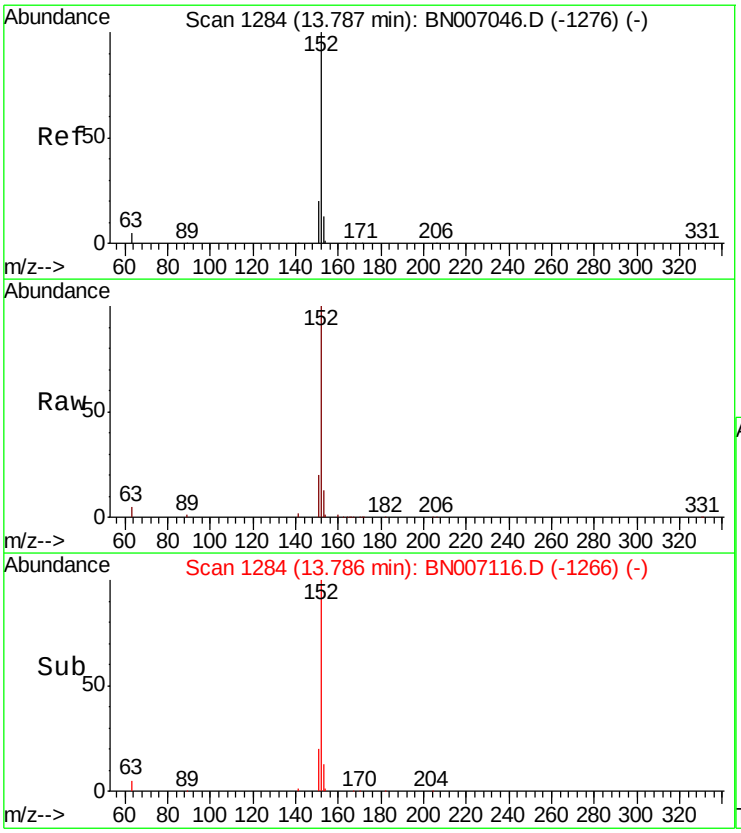
#14
2-Fluorobiphenyl
Concen: 0.108 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 3632

Ion	Ratio	Lower	Upper
172	100		
171	33.6	26.3	39.5
170	21.0	17.0	25.4

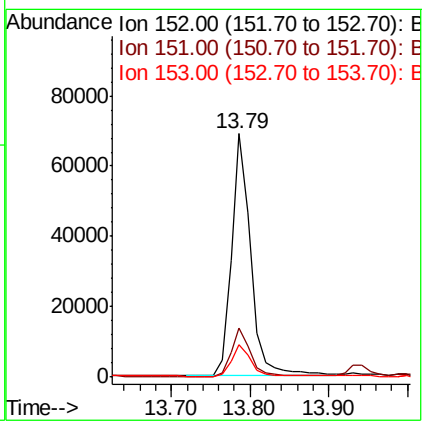


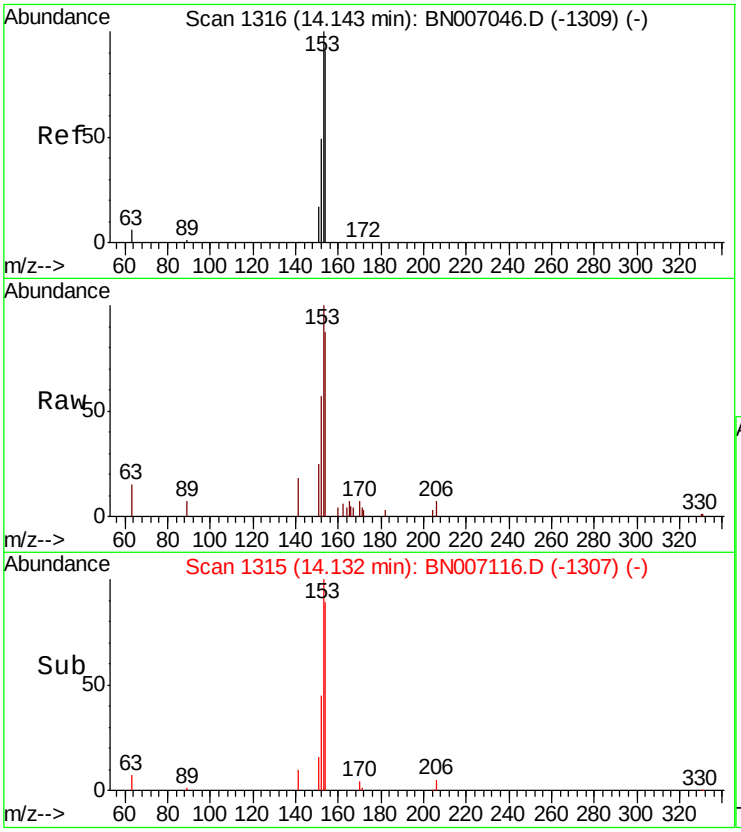


#15
Acenaphthylene
Concen: 0.982 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:152 Resp: 119225

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.6
153	13.4	10.4	15.6



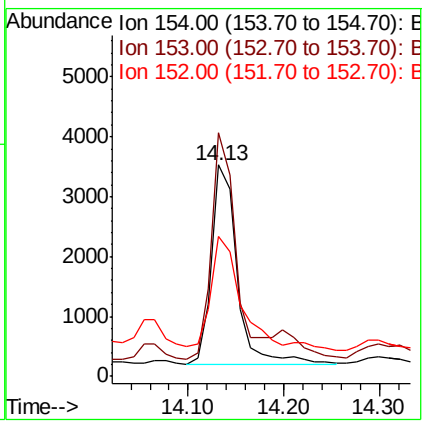


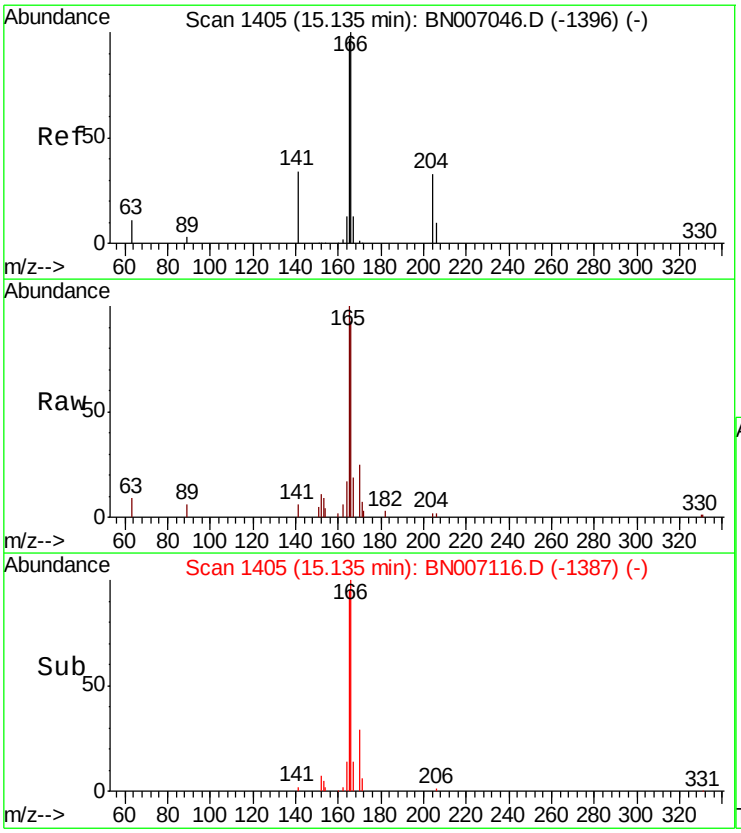
#16
Acenaphthene
Concen: 0.079 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 6180

Ion	Ratio	Lower	Upper
154	100		
153	106.5	89.5	134.3
152	59.6	44.8	67.2

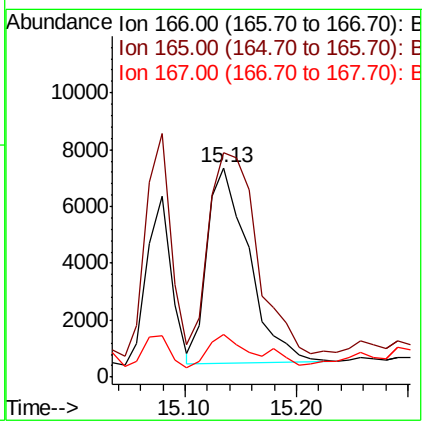


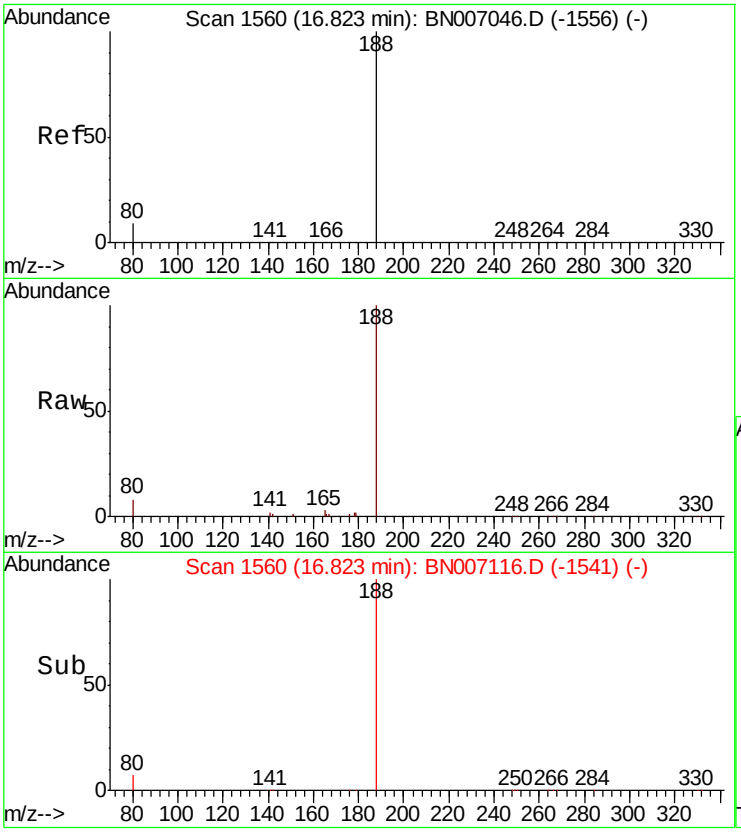


#17
Fluorene
Concen: 0.154 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:166 Resp: 17898

Ion	Ratio	Lower	Upper
166	100		
165	118.6	77.9	116.9#
167	19.3	10.9	16.3#



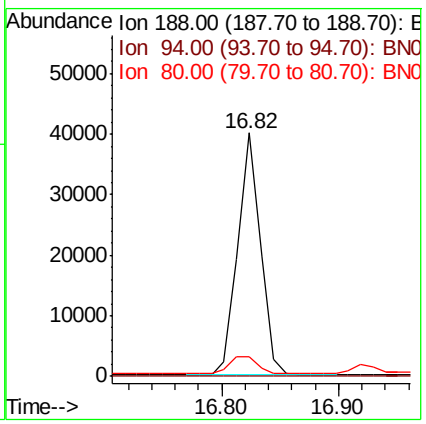


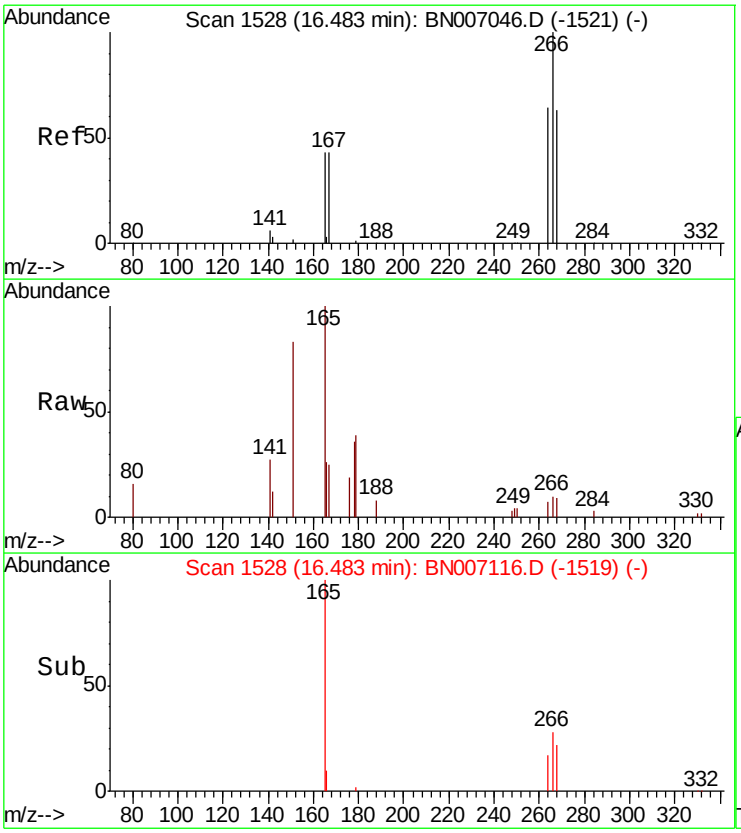
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 53452

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	7.8	11.6

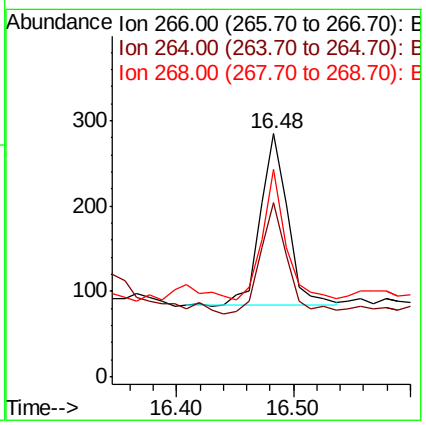


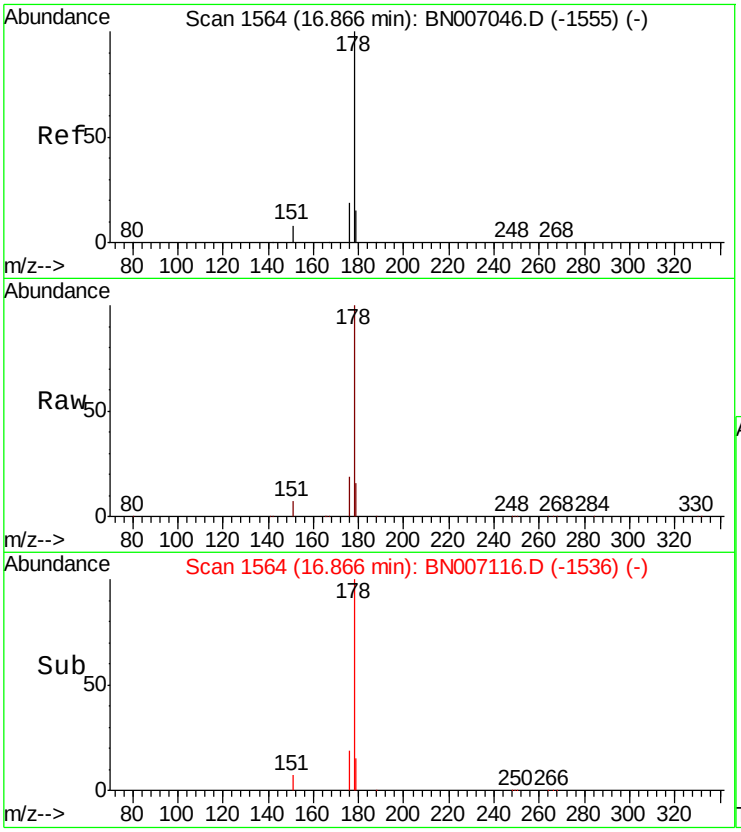


#21
Pentachlorophenol
Concen: 0.028 ng
RT: 16.48 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:266 Resp: 326

Ion	Ratio	Lower	Upper
266	100		
264	71.6	52.3	78.5
268	85.3	51.5	77.3#



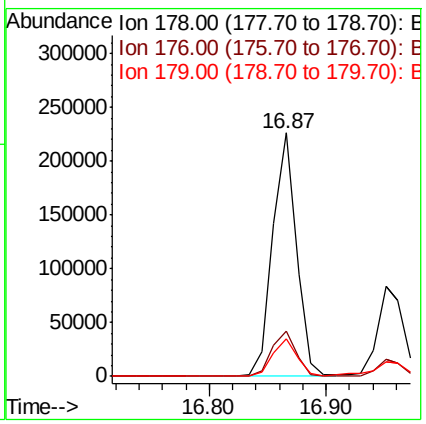


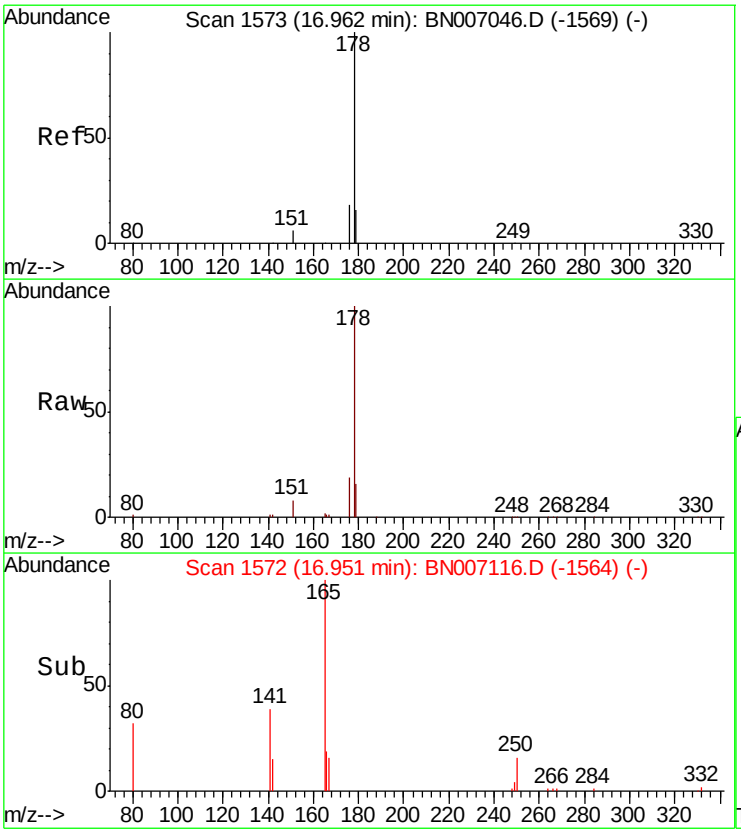
#22
Phenanthrene
Concen: 1.988 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 318527

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.6	12.3	18.5

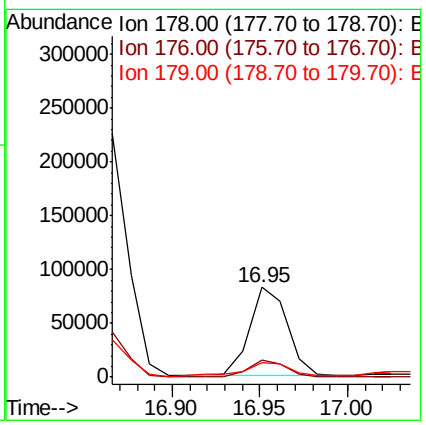


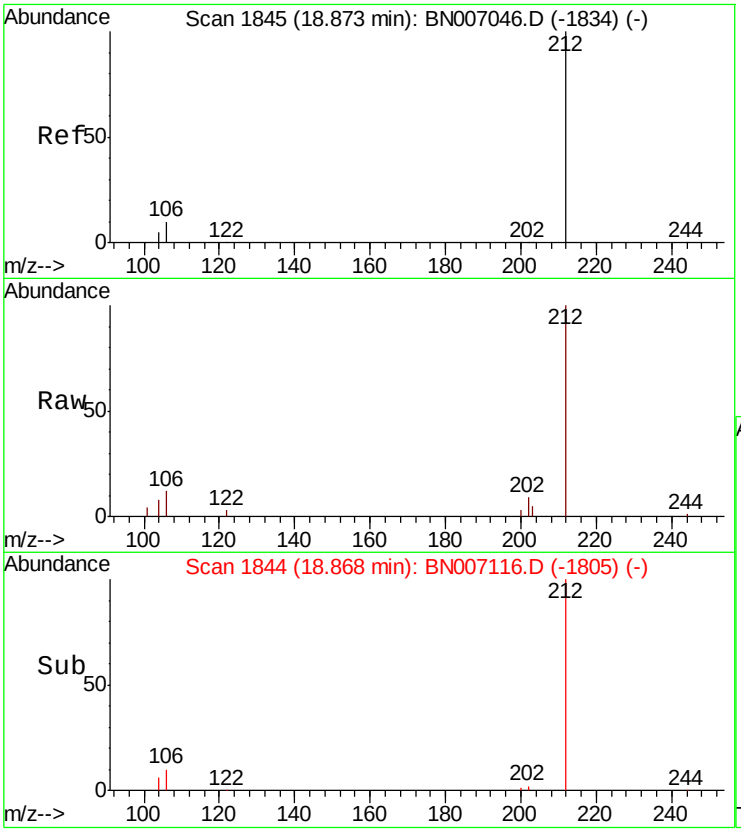


#23
Anthracene
Concen: 0.858 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:178 Resp: 125559

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



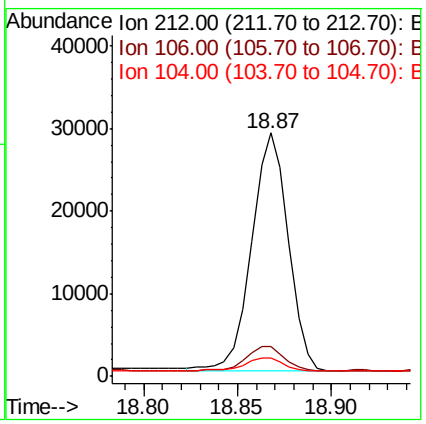


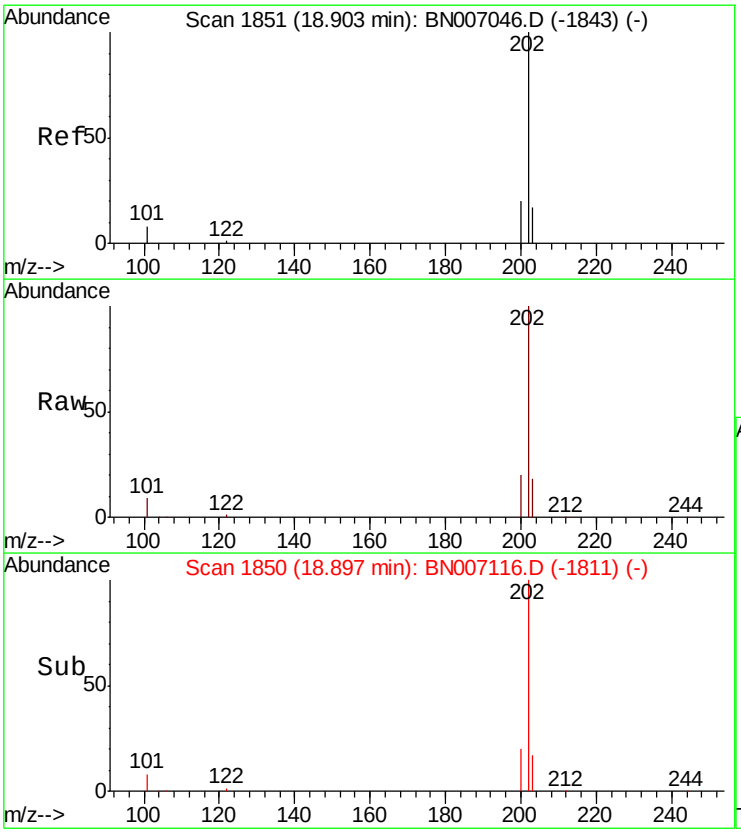
#24
Fluoranthene-d10
Concen: 0.207 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 39194

Ion	Ratio	Lower	Upper
212	100		
106	10.8	8.2	12.2
104	6.7	4.5	6.7

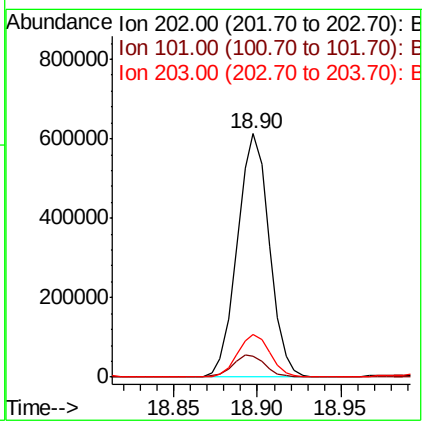


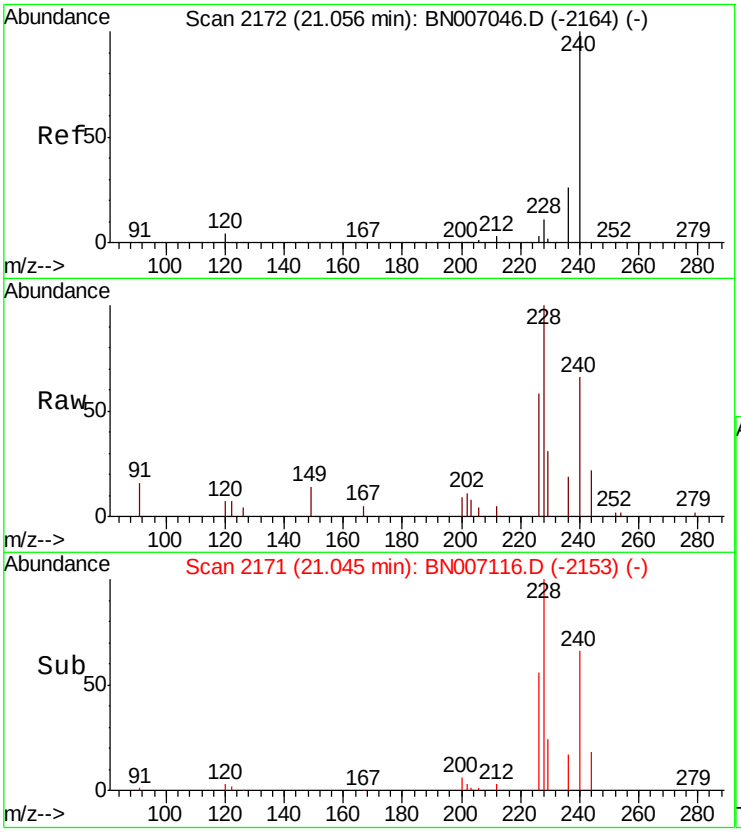


#25
Fluoranthene
Concen: 3.985 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:202 Resp: 816655

Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.0	10.4
203	17.6	13.8	20.8



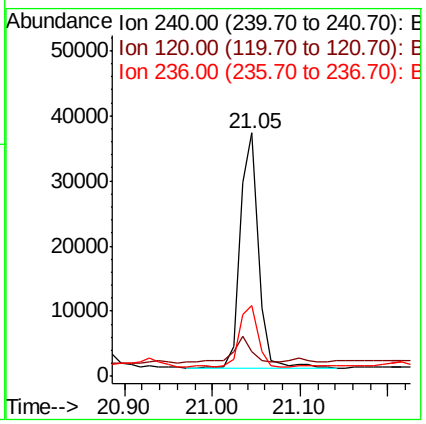


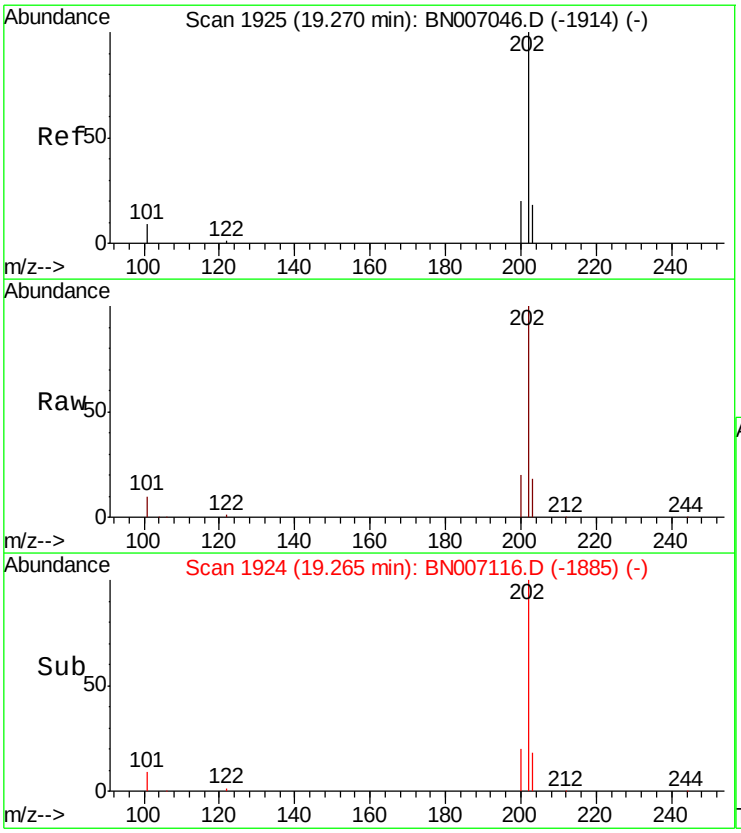
#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 51773

Ion	Ratio	Lower	Upper
240	100		
120	10.3	4.0	6.0#
236	29.3	21.3	31.9

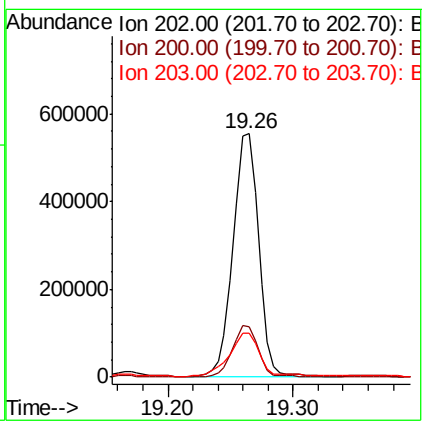


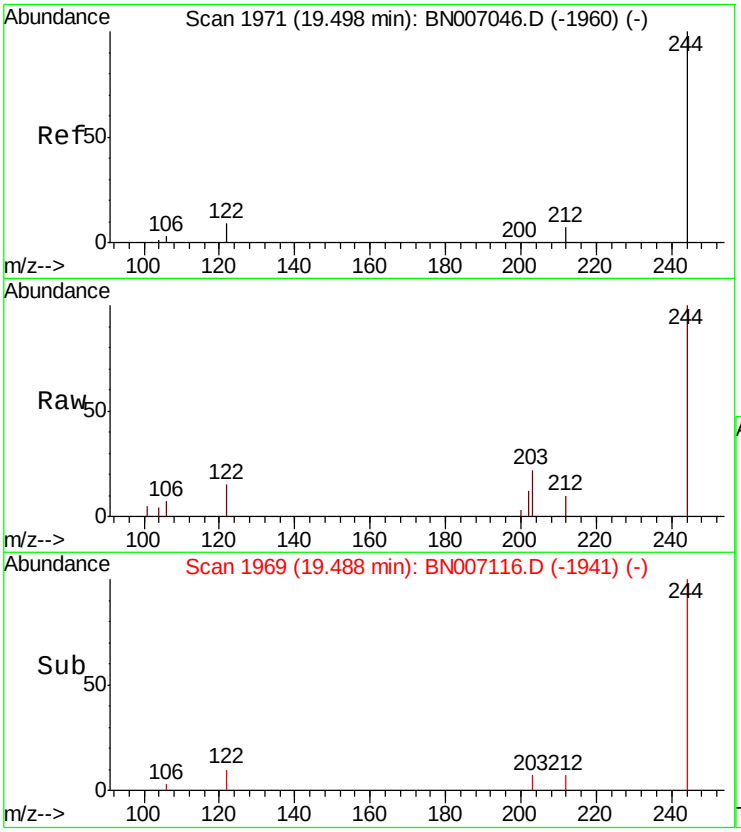


#27
Pyrene
Concen: 4.287 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:202 Resp: 778338

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	24.8
203	21.4	14.0	21.0#



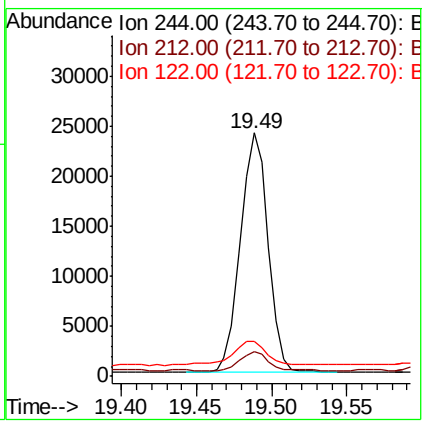


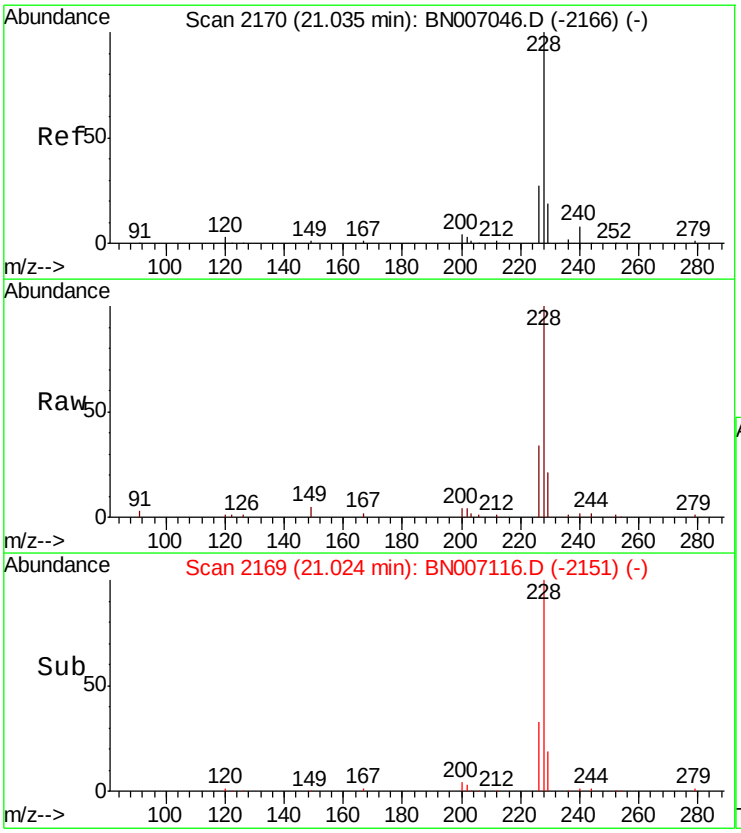
#28
Terphenyl-d14
Concen: 0.217 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 30599

Ion	Ratio	Lower	Upper
244	100		
212	10.3	6.2	9.2#
122	14.6	7.4	11.2#

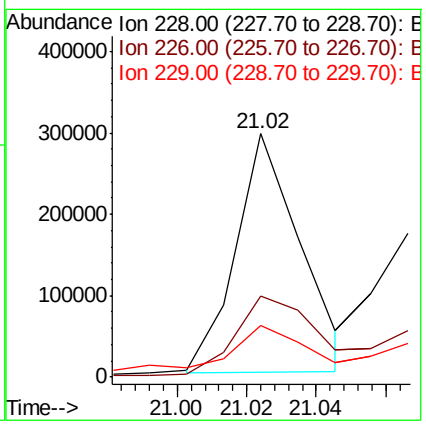


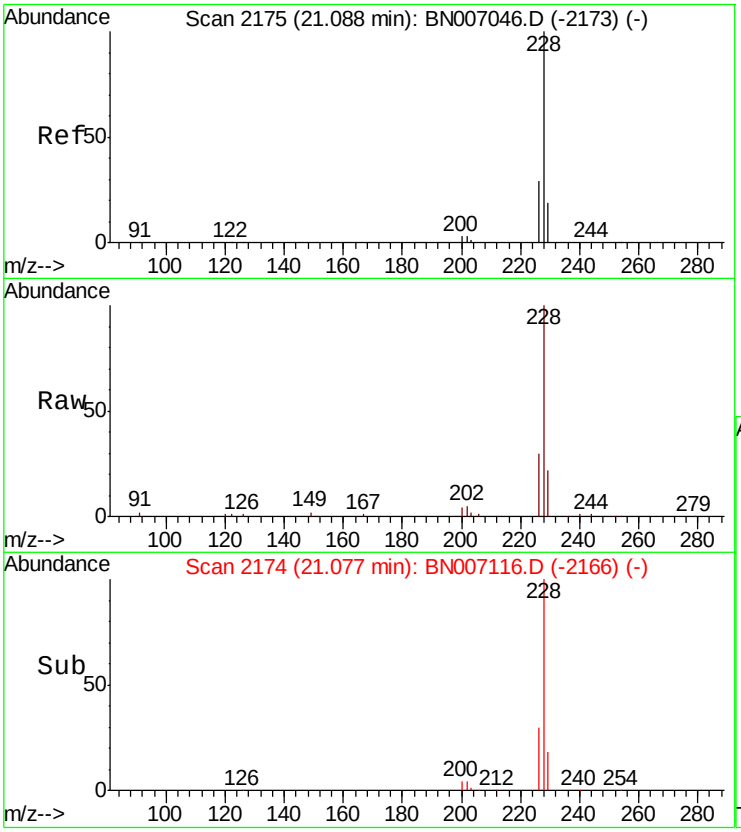


#29
Benzo(a)anthracene
Concen: 1.990 ng m
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:228 Resp: 376691

Ion	Ratio	Lower	Upper
228	100		
226	33.5	21.8	32.6#
229	21.3	15.6	23.4



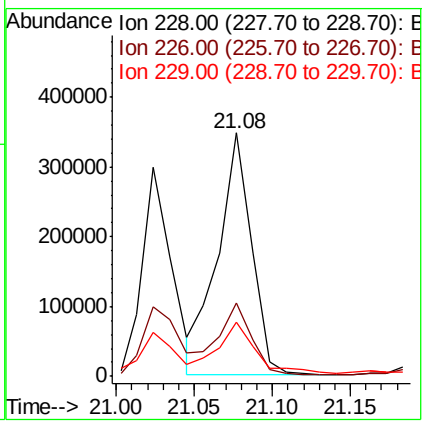


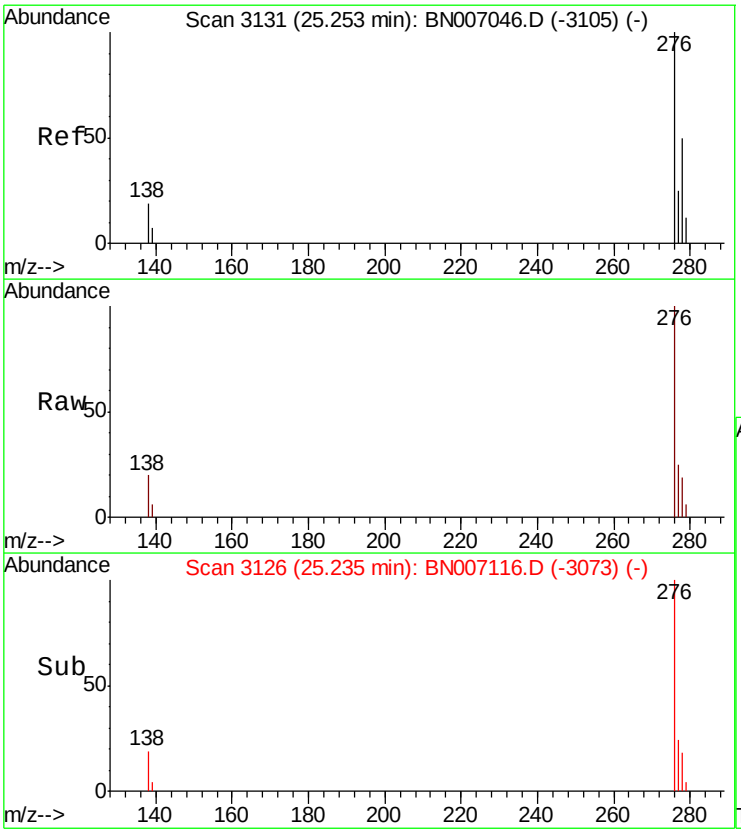
#30
Chrysene
Concen: 2.818 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 518347

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.6
229	22.3	15.7	23.5

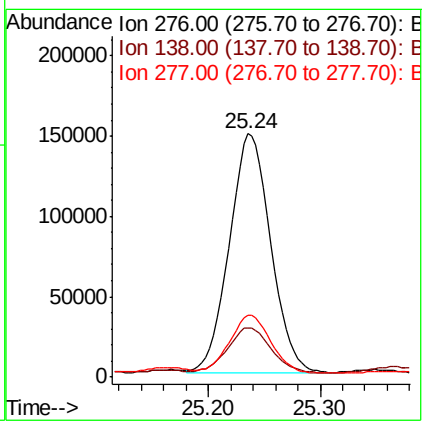


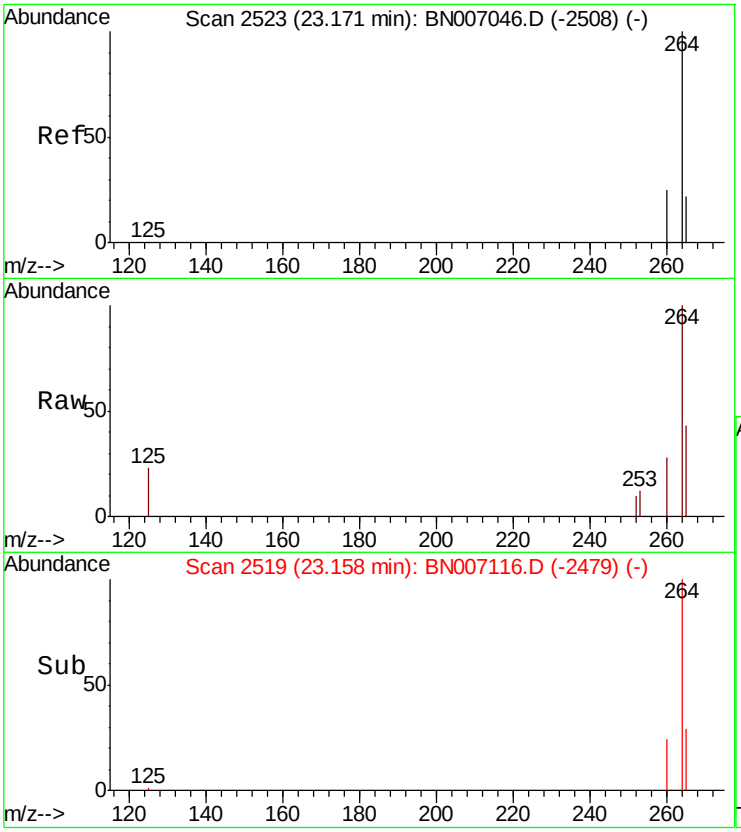


#31
Indeno(1,2,3-cd)pyrene
Concen: 1.871 ng
RT: 25.24 min Scan# 3126
Delta R.T. -0.02 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:276 Resp: 379316

Ion	Ratio	Lower	Upper
276	100		
138	19.7	16.0	24.0
277	24.6	19.9	29.9



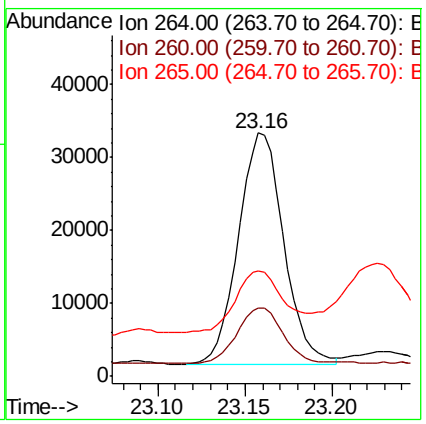


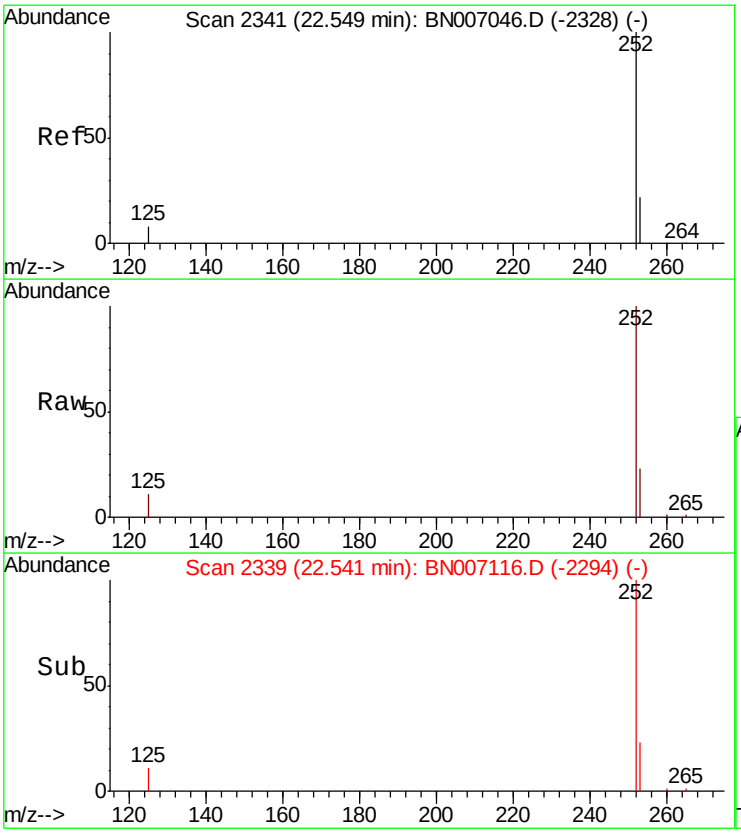
#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:264 Resp: 57635

Ion	Ratio	Lower	Upper
264	100		
260	28.3	19.8	29.8
265	43.3	26.2	39.4#

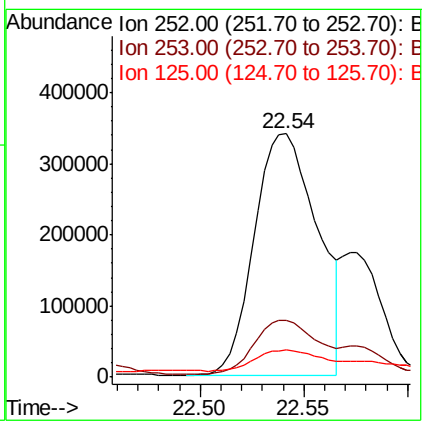


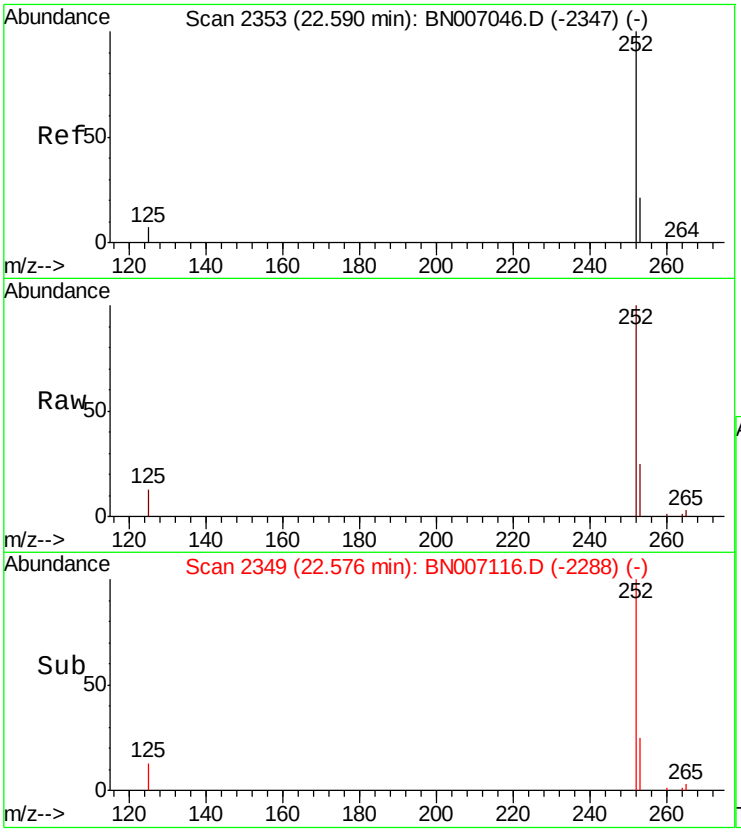


#33
Benzo(b)fluoranthene
Concen: 3.637 ng
RT: 22.54 min Scan# 2339
Delta R.T. -0.01 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:252 Resp: 718775

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	11.1	7.4	11.0#



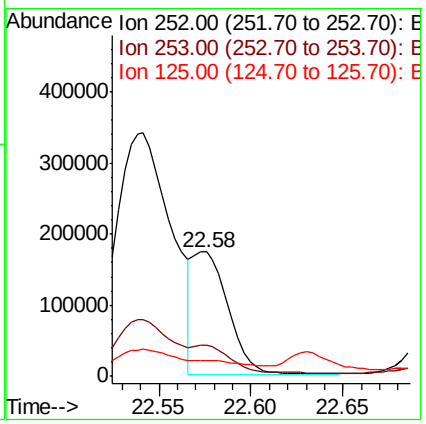


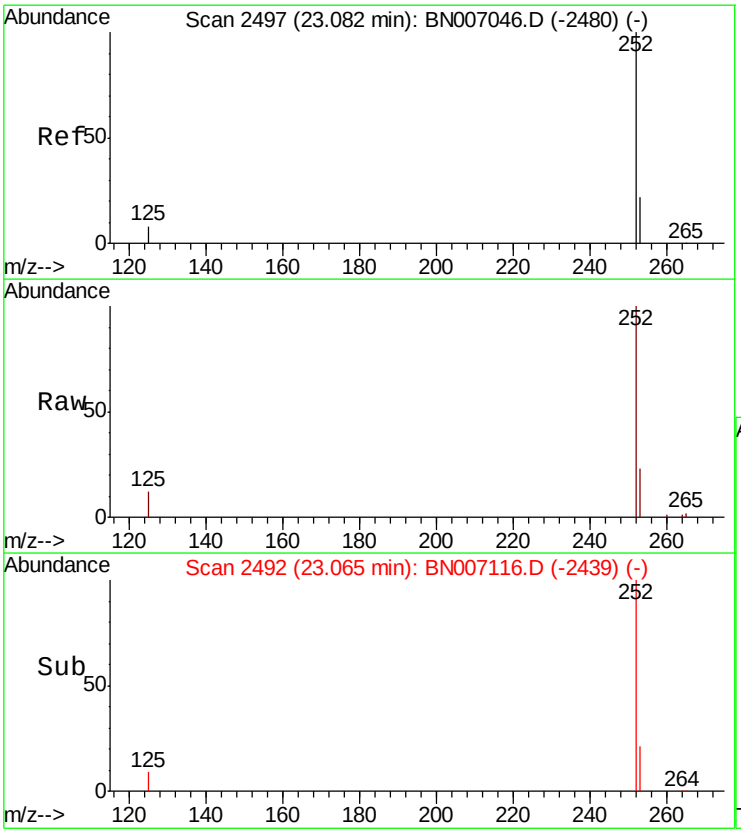
#34
Benzo(k)fluoranthene
Concen: 1.212 ng m
RT: 22.58 min Scan# 2349
Delta R.T. -0.01 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 236523

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	13.0	7.4	11.0#

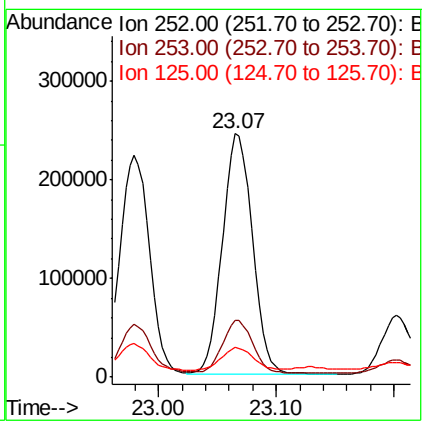


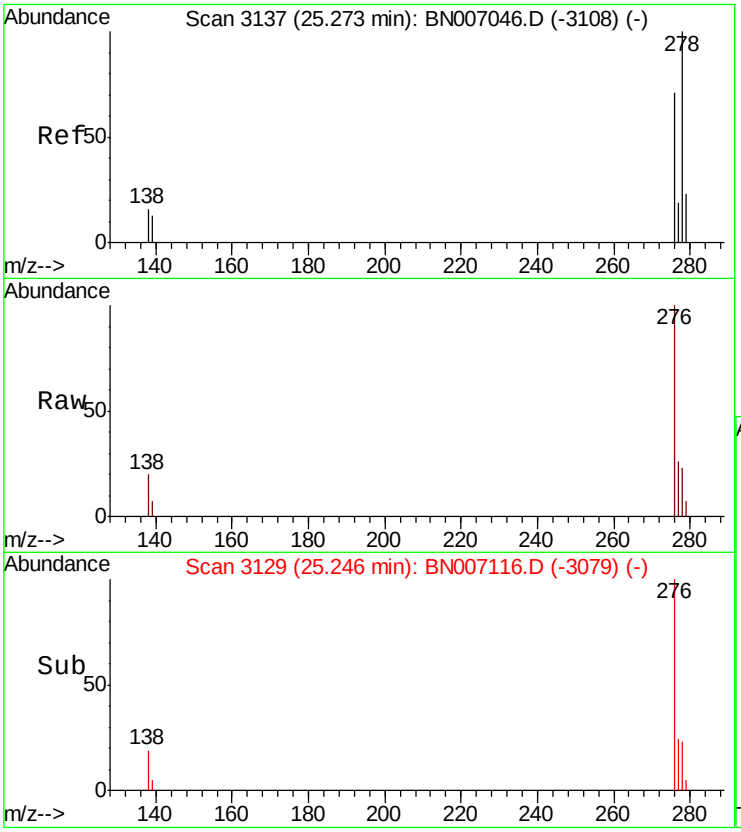


#35
Benzo(a)pyrene
Concen: 2.403 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:252 Resp: 430614

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.5	27.7
125	12.1	8.2	12.4



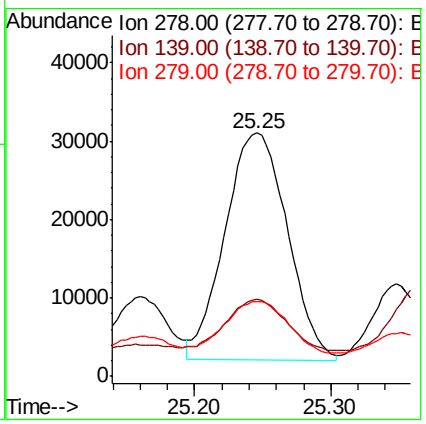


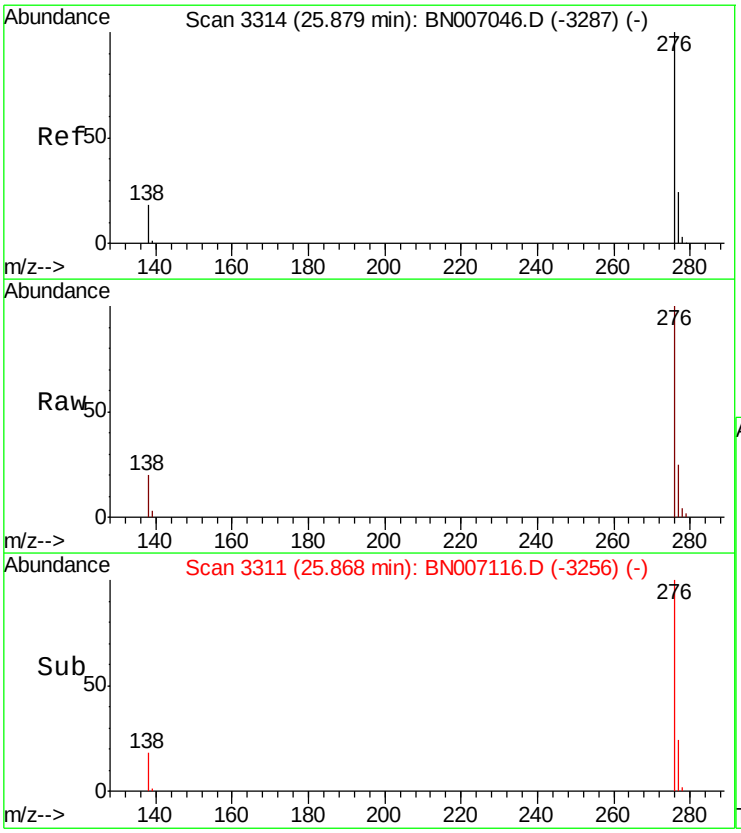
#36
Dibenzo(a,h)anthracene
Concen: 0.515 ng
RT: 25.25 min Scan# 3129
Delta R.T. -0.03 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:278 Resp: 92115

Ion	Ratio	Lower	Upper
278	100		
139	31.6	11.3	16.9#
279	30.6	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 2.279 ng
RT: 25.87 min Scan# 3311
Delta R.T. -0.01 min
Lab File: BN007116.D
Acq: 13 Aug 2019 05:42

Tgt Ion:276 Resp: 419028

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.8	29.8
138	19.9	14.6	22.0