Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
Data File : BN006707.D
Acq On : 05 Jul 2019 10:12
Operator : HP/JU
Sample : PB120849BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB120849BS

Quant Time: Jul 05 10:44:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 05 05:30:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	3740	0.40	ng		-0.03
7) Naphthalene-d8	10.36	136	15256	0.40	ng		-0.03
13) Acenaphthene-d10	14.24	164	9259	0.40	ng		-0.02
19) Phenanthrene-d10	17.00	188	21631	0.40	ng		-0.02
27) Chrysene-d12	21.24	240	24405	0.40	ng		-0.02
34) Perylene-d12	23.46	264	26284	0.40	ng		-0.05
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	3953	0.39	ng		-0.02
5) Phenol-d6	6.80	99	5253	0.41	ng		-0.03
8) Nitrobenzene-d5	8.77	82	4572	0.39	ng		-0.03
11) 2-Methylnaphthalene-d10	11.97	152	9676	0.42	ng		-0.02
14) 2,4,6-Tribromophenol	15.77	330	2118	0.47	ng		-0.02
15) 2-Fluorobiphenyl	12.86	172	14375	0.40	ng		-0.02
25) Fluoranthene-d10	19.05	212	26544	0.43	ng		-0.02
29) Terphenyl-d14	19.66	244	18618	0.33	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.12	88	2376	0.407	ng		98
3) n-Nitrosodimethylamine	3.46	42	1969	0.447	ng	#	86
6) bis(2-Chloroethyl)ether	7.03	93	4350	0.400	ng		99
9) Naphthalene	10.41	128	17402	0.417	ng		100
10) Hexachlorobutadiene	10.69	225	3453	0.409	ng	#	100
12) 2-Methylnaphthalene	12.04	142	11482	0.390	ng		98
16) Acenaphthylene	13.96	152	19791	0.429	ng		100
17) Acenaphthene	14.31	154	12271	0.417	ng		98
18) Fluorene	15.30	166	15585	0.427	ng		100
20) 4-Bromophenyl-phenylether	16.20	248	5034	0.395	ng		98
21) Hexachlorobenzene	16.31	284	6196	0.409	ng		98
22) Pentachlorophenol	16.70	266	2393	1.155	ng	#	85
23) Phenanthrene	17.05	178	25378	0.407	ng		99
24) Anthracene	17.14	178	22831	0.405	ng		99
26) Fluoranthene	19.09	202	32254	0.441	ng		100
28) Pyrene	19.45	202	33846	0.347	ng		100
30) Benzo(a)anthracene	21.21	228	31139	0.370	ng		99
31) Chrysene	21.27	228	31904	0.368	ng		99
32) Bis(2-ethylhexyl)phthalate	21.14	149	19121	0.076	ng		99
33) Indeno(1,2,3-cd)pyrene	25.68	276	41749	0.402	ng		98
35) Benzo(b)fluoranthene	22.79	252	32982	0.391	ng		96
36) Benzo(k)fluoranthene	22.84	252	35145	0.384	ng		96
37) Benzo(a)pyrene	23.36	252	32900	0.403	ng		95
38) Dibenzo(a,h)anthracene	25.69	278	33204	0.409	ng		96
39) Benzo(g,h,i)perylene	26.36	276	34931	0.418	ng		96

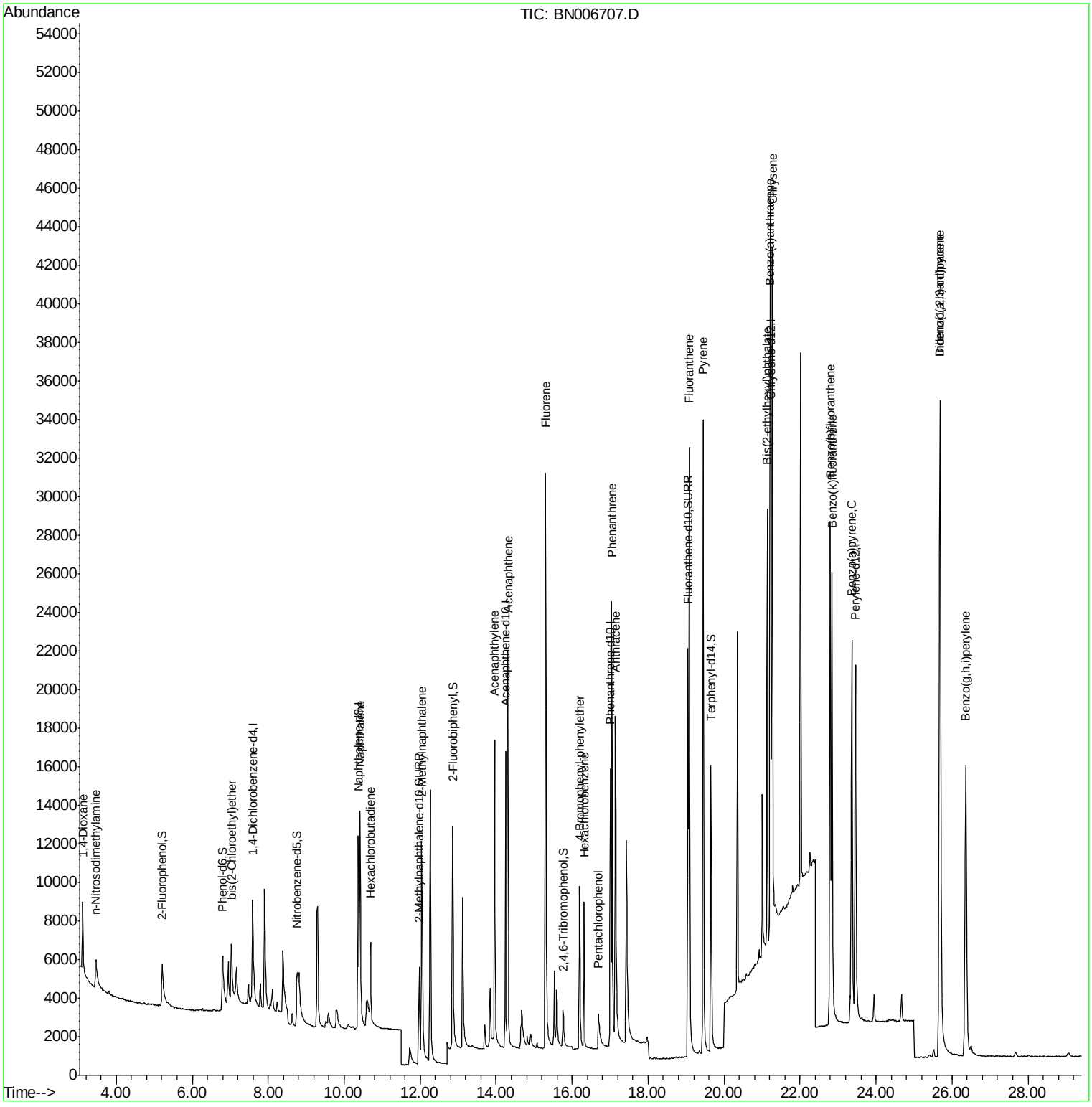
(#) = qualifier out of range (m) = manual integration (+) = signals summed

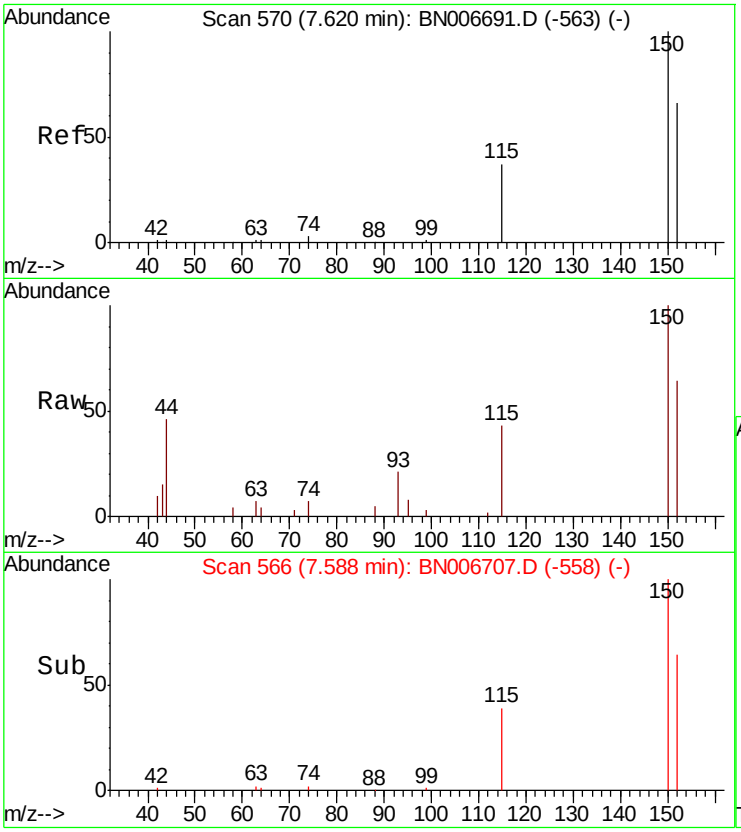
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
Data File : BN006707.D
Acq On : 05 Jul 2019 10:12
Operator : HP/JU
Sample : PB120849BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB120849BS

Quant Time: Jul 05 10:44:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 05 05:30:28 2019
Response via : Initial Calibration



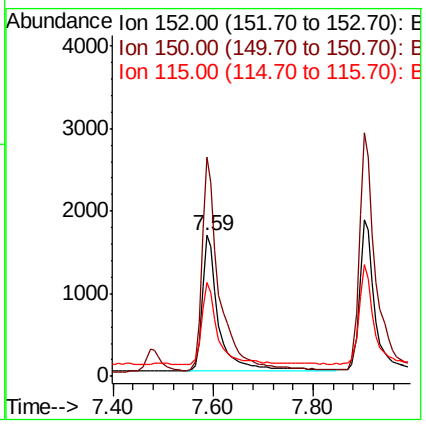


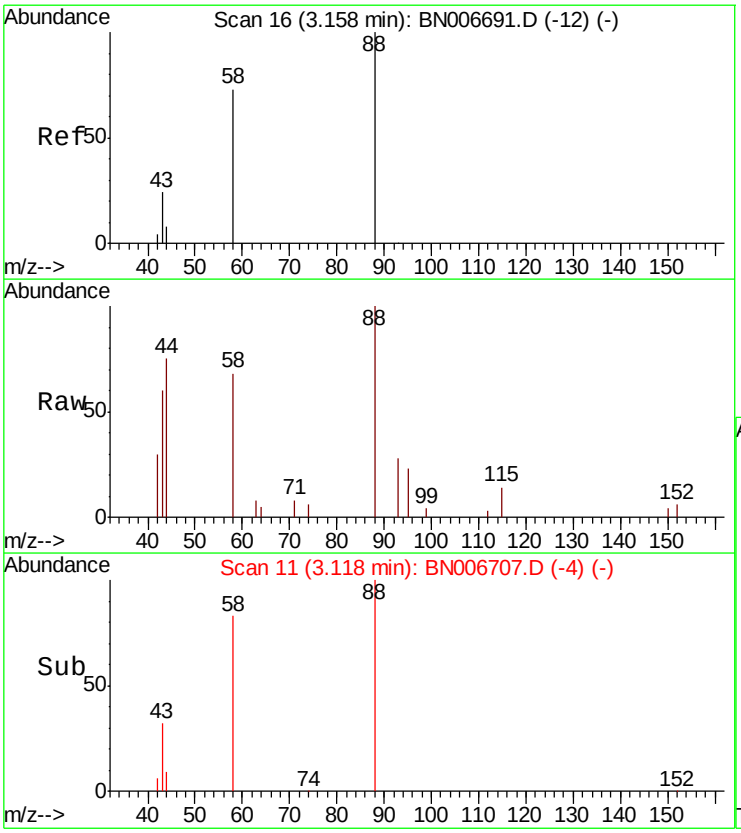
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.59 min Scan# 566
Delta R.T. -0.03 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:152 Resp: 3740

Ion	Ratio	Lower	Upper
152	100		
150	155.7	120.6	181.0
115	66.8	51.0	76.6

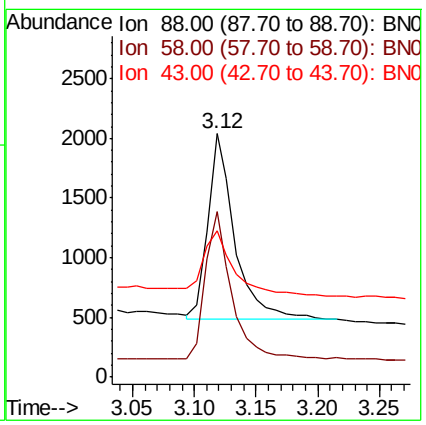


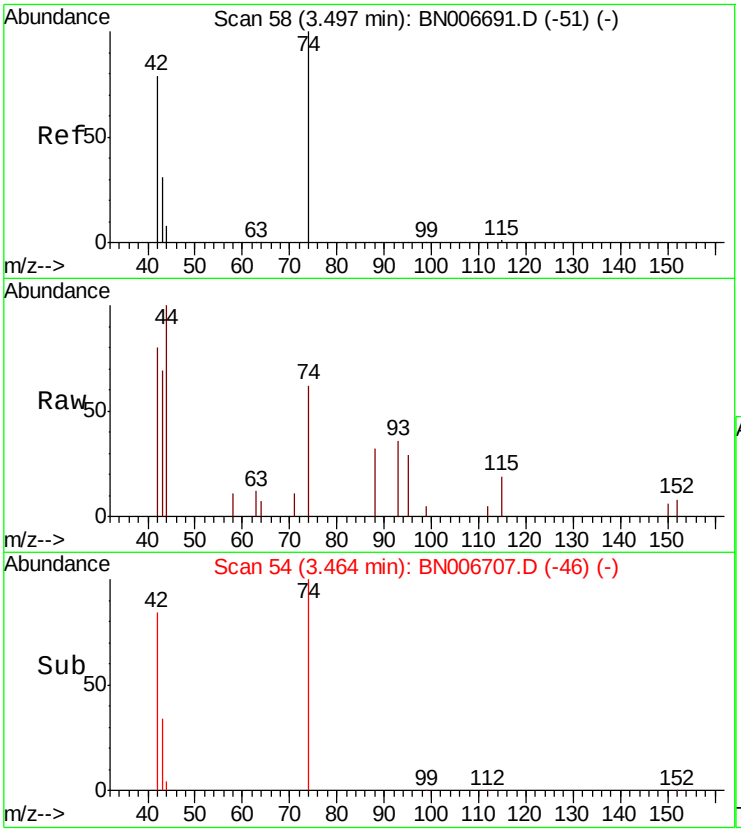


#2
1,4-Dioxane
Concen: 0.407 ng
RT: 3.12 min Scan# 11
Delta R.T. -0.04 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion: 88 Resp: 2376

Ion	Ratio	Lower	Upper
88	100		
58	78.0	61.1	91.7
43	41.5	32.4	48.6



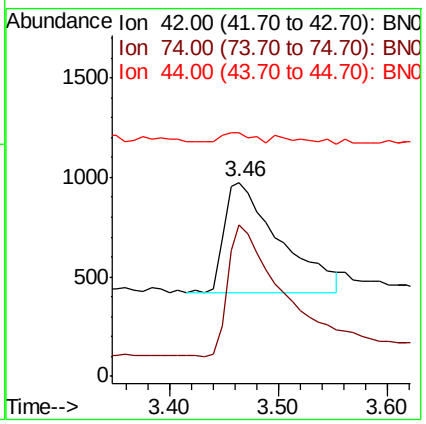


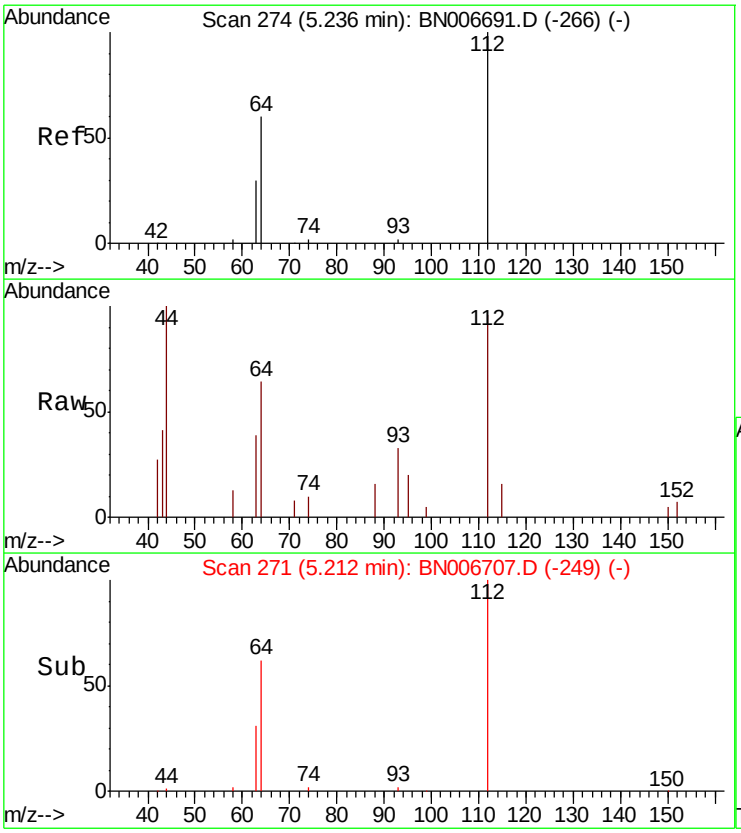
#3
n-Nitrosodimethylamine
Concen: 0.447 ng
RT: 3.46 min Scan# 54
Delta R.T. -0.03 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion: 42 Resp: 1969

Ion	Ratio	Lower	Upper
42	100		
74	117.1	106.6	160.0
44	5.0	8.0	12.0#

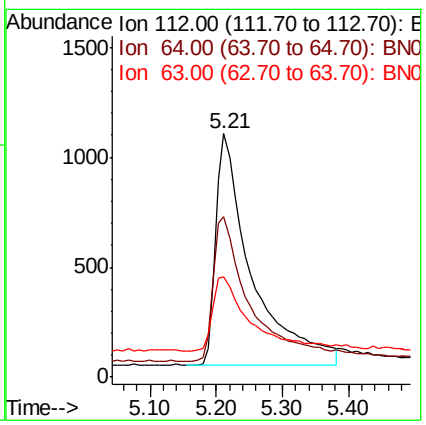


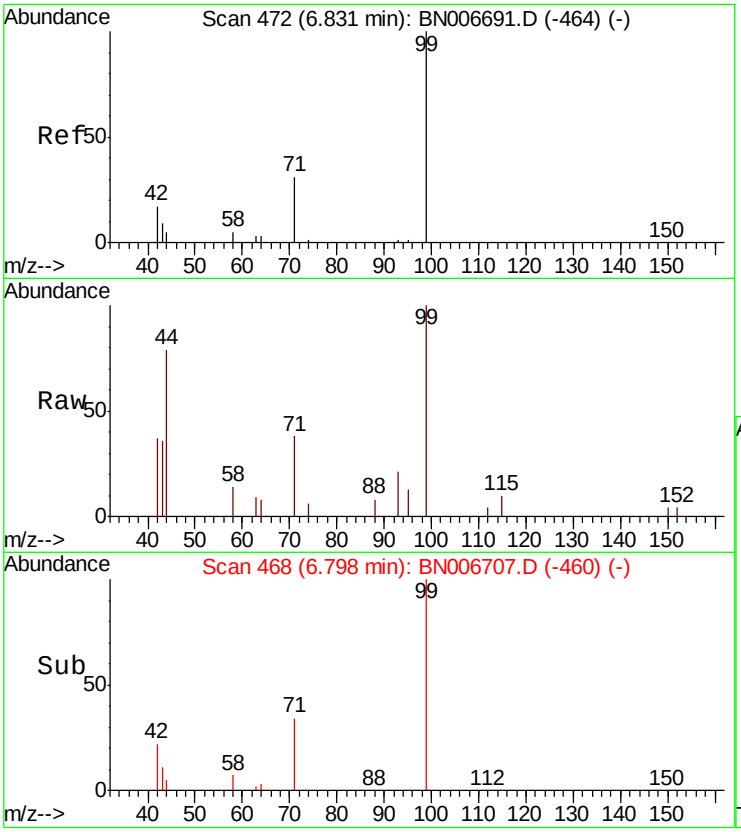


#4
2-Fluorophenol
Concen: 0.389 ng
RT: 5.21 min Scan# 271
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:112 Resp: 3953

Ion	Ratio	Lower	Upper
112	100		
64	64.3	49.8	74.6
63	34.6	25.8	38.6



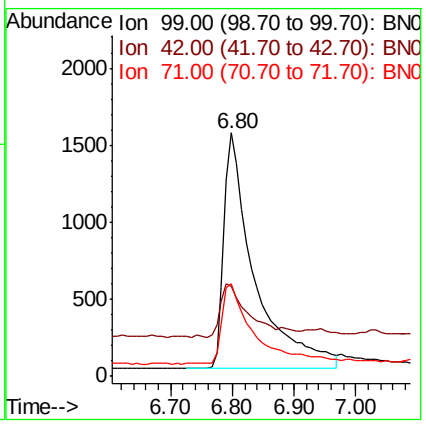


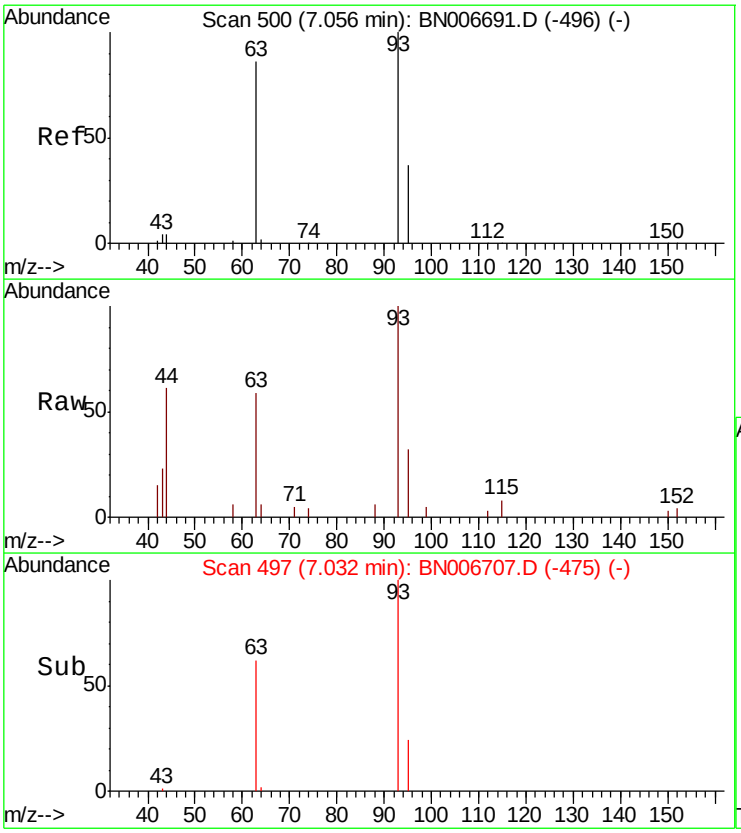
#5
Phenol-d6
Concen: 0.409 ng
RT: 6.80 min Scan# 468
Delta R.T. -0.03 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion: 99 Resp: 5253

Ion	Ratio	Lower	Upper
99	100		
42	21.6	16.6	25.0
71	34.8	26.0	39.0

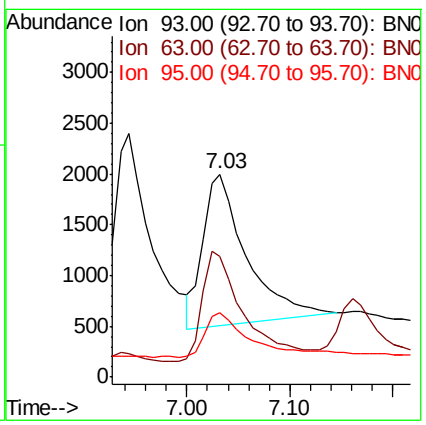


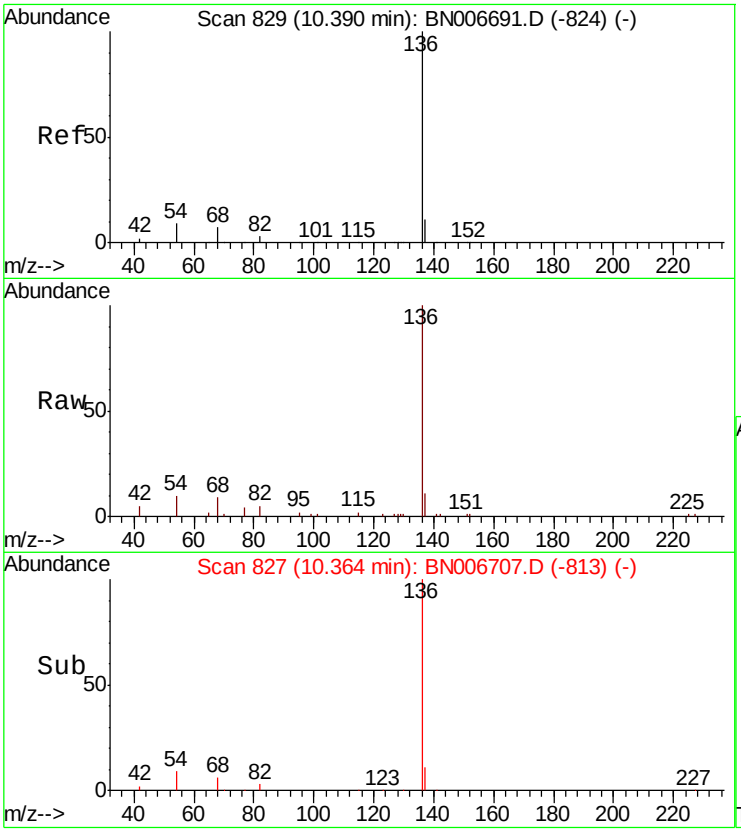


#6
bis(2-Chloroethyl)ether
Concen: 0.400 ng
RT: 7.03 min Scan# 497
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion: 93 Resp: 4350

Ion	Ratio	Lower	Upper
93	100		
63	72.8	58.6	87.8
95	34.6	28.3	42.5



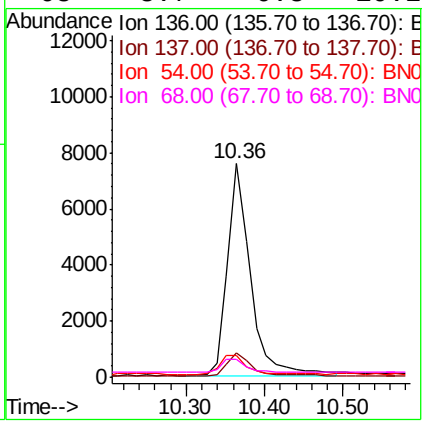


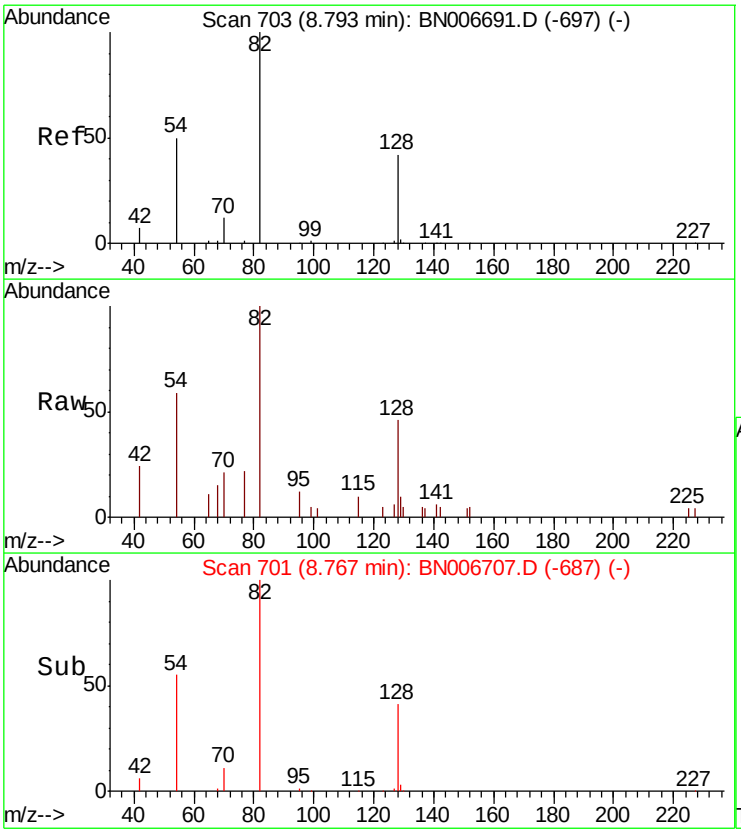
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.36 min Scan# 827
Delta R.T. -0.03 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:136 Resp: 15256

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	10.0	8.4	12.6
68	8.7	6.8	10.2

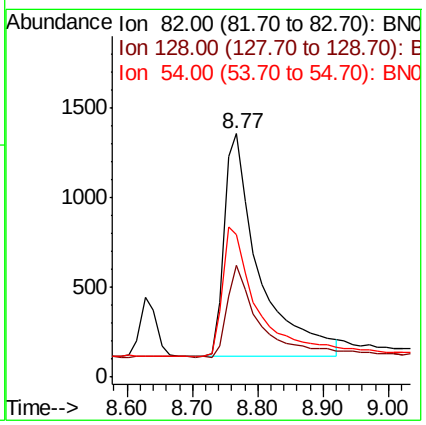


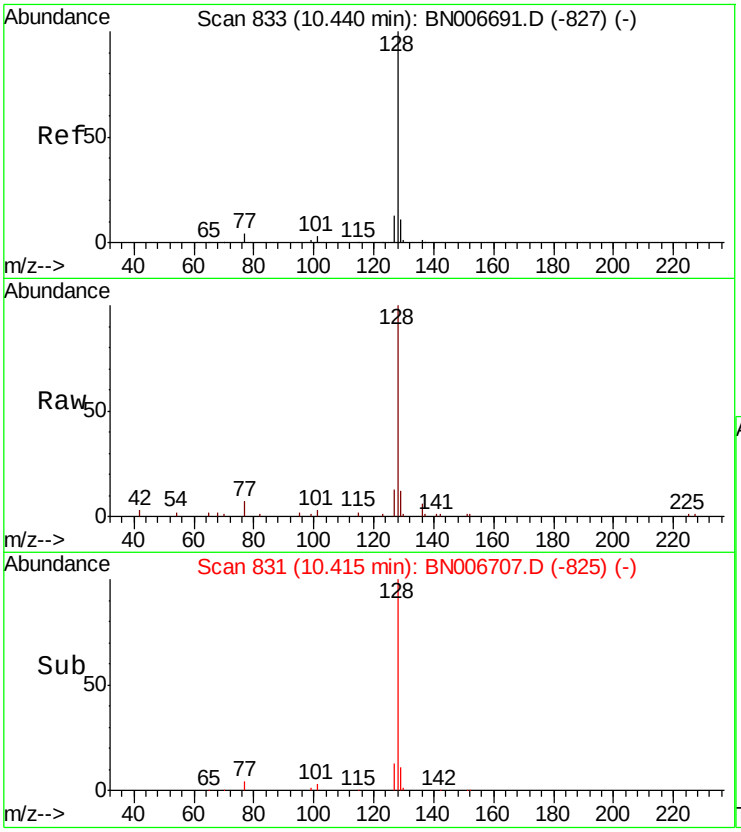


#8
Nitrobenzene-d5
Concen: 0.391 ng
RT: 8.77 min Scan# 701
Delta R.T. -0.03 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion: 82 Resp: 4572

Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	58.7	44.5	66.7



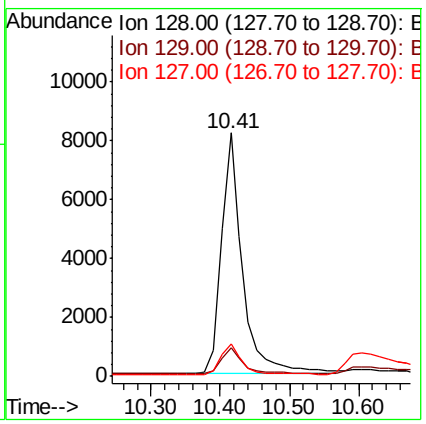


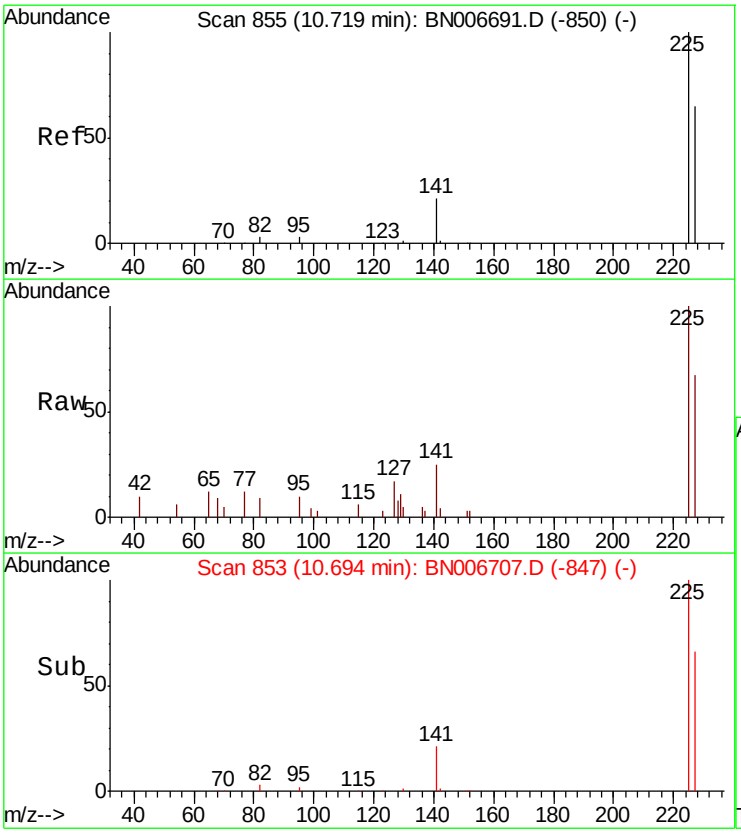
#9
Naphthalene
Concen: 0.417 ng
RT: 10.41 min Scan# 831
Delta R.T. -0.03 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:128 Resp: 17402

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.6	14.4
127	13.5	11.0	16.4

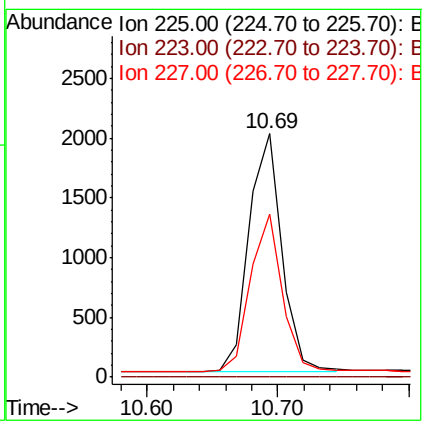


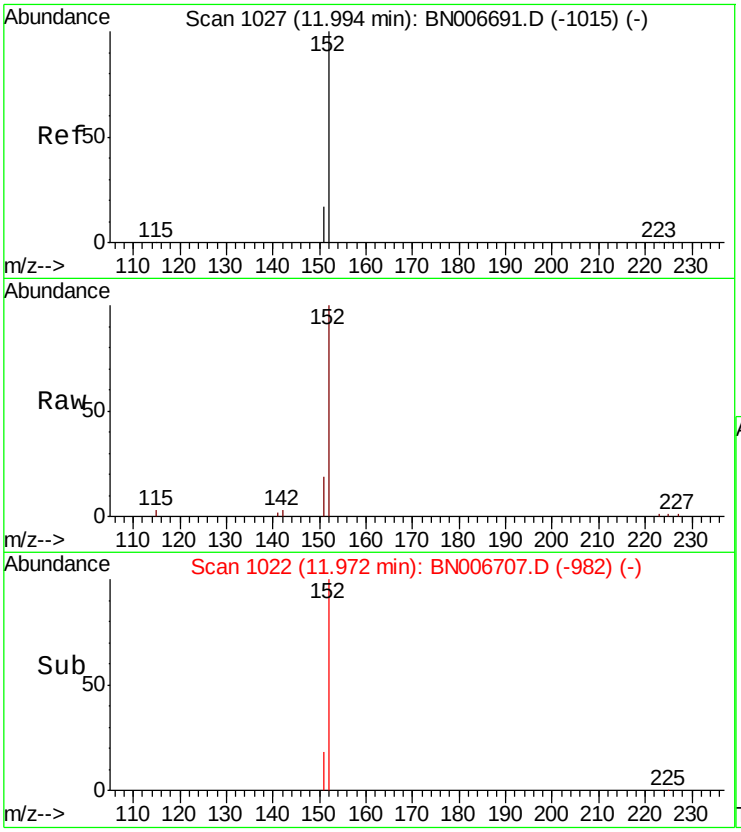


#10
Hexachlorobutadiene
Concen: 0.409 ng
RT: 10.69 min Scan# 853
Delta R.T. -0.03 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:225 Resp: 3453

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	50.9	76.3



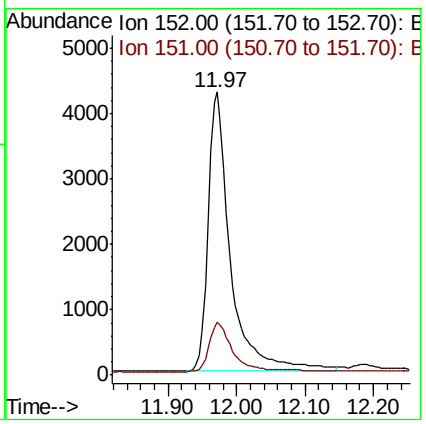


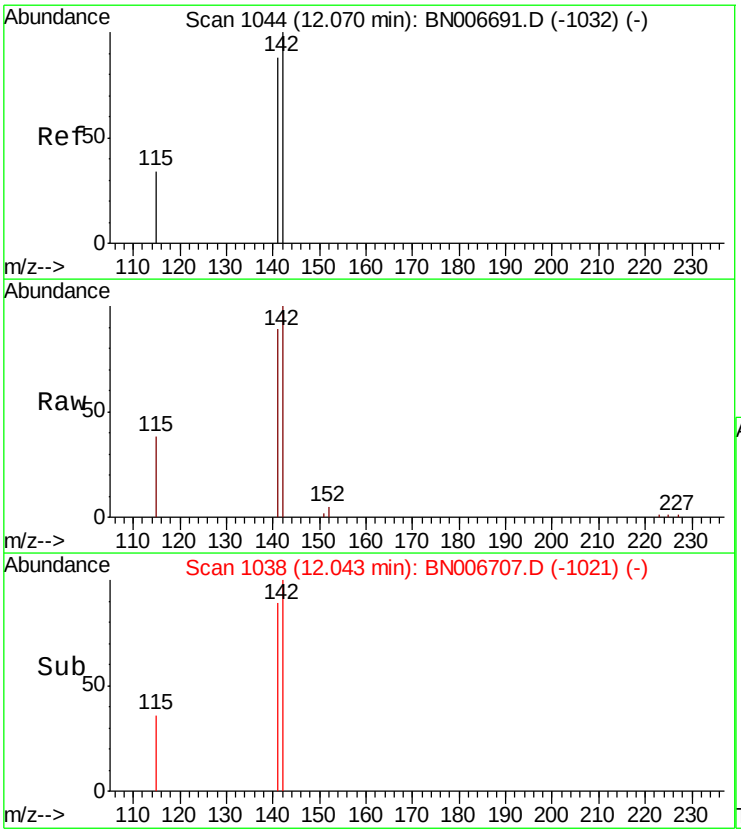
#11
2-Methylnaphthalene-d10
Concen: 0.422 ng
RT: 11.97 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:152 Resp: 9676

Ion	Ratio	Lower	Upper
152	100		
151	18.8	14.9	22.3

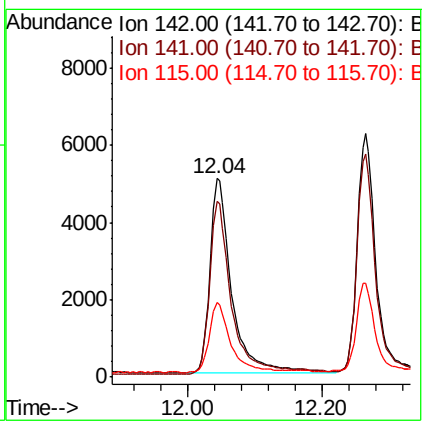


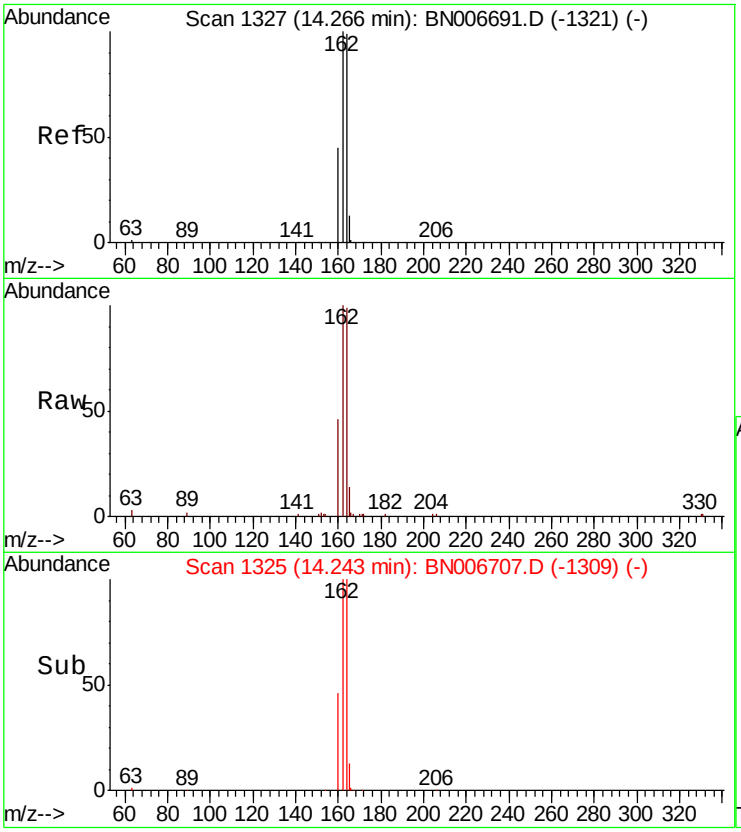


#12
2-Methylnaphthalene
Concen: 0.390 ng
RT: 12.04 min Scan# 1038
Delta R.T. -0.03 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:142 Resp: 11482

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.3	105.5
115	37.8	28.9	43.3



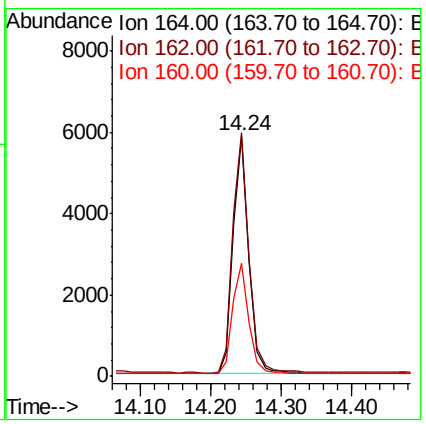


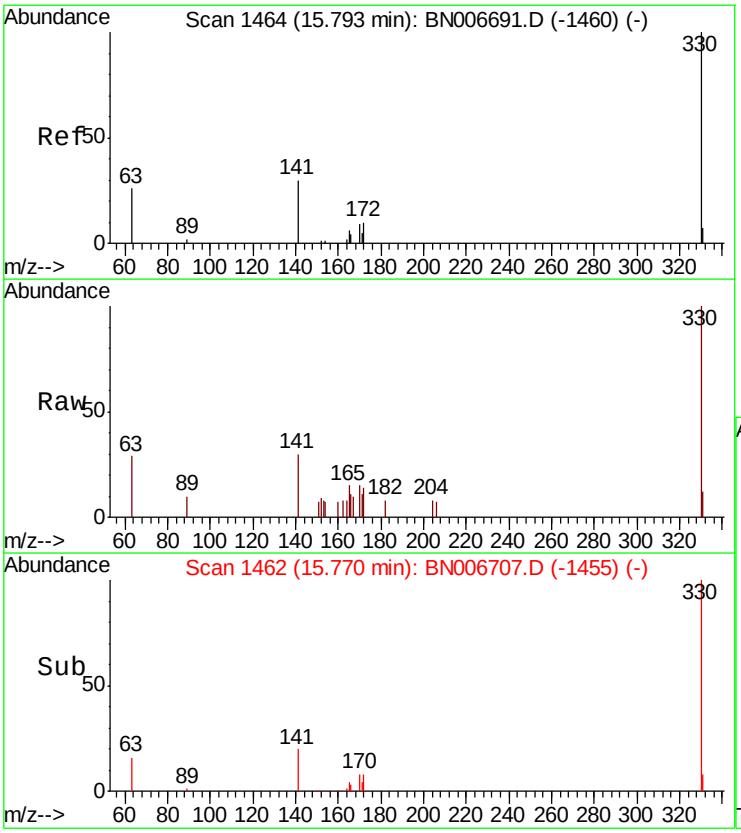
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:164 Resp: 9259

Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.8	121.2
160	46.9	37.0	55.6

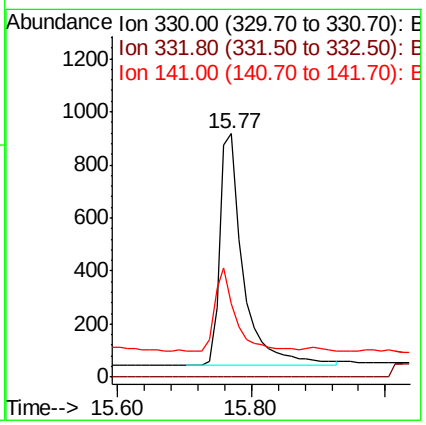


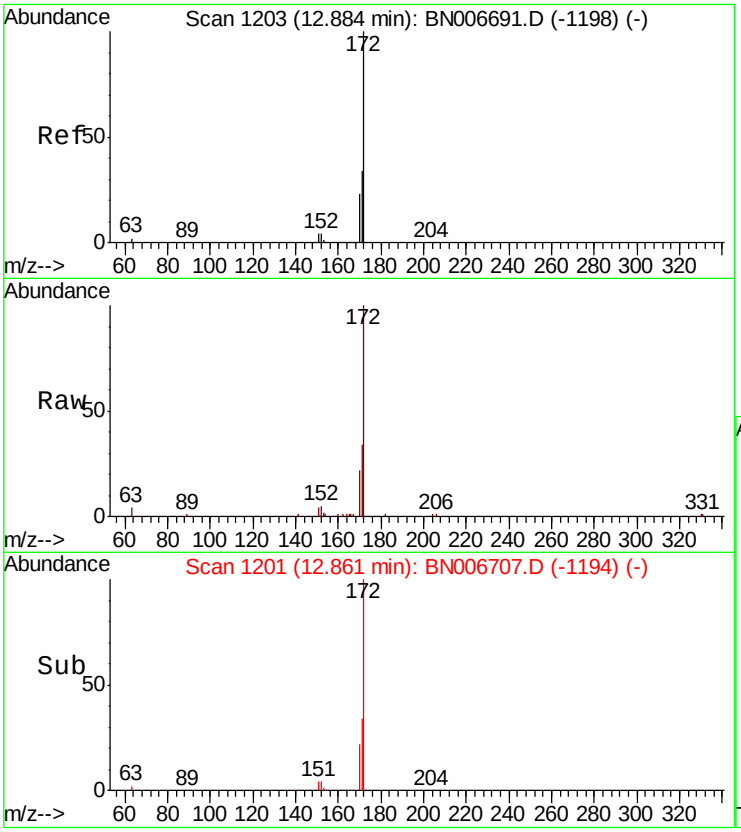


#14
2,4,6-Tribromophenol
Concen: 0.465 ng
RT: 15.77 min Scan# 1462
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:330 Resp: 2118

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.5	24.8	37.2



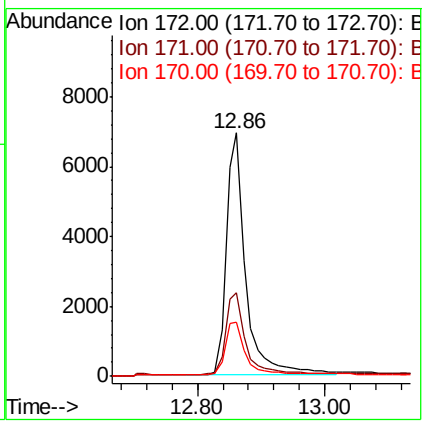


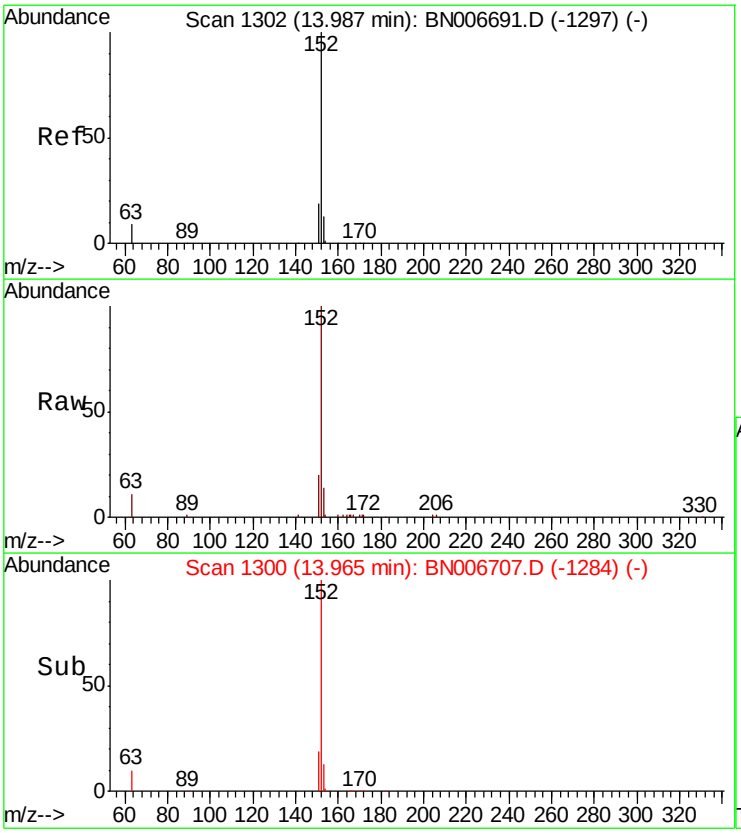
#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 12.86 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:172 Resp: 14375

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.8	41.6
170	22.5	18.9	28.3

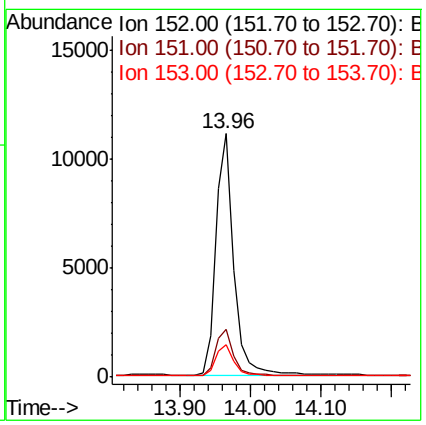


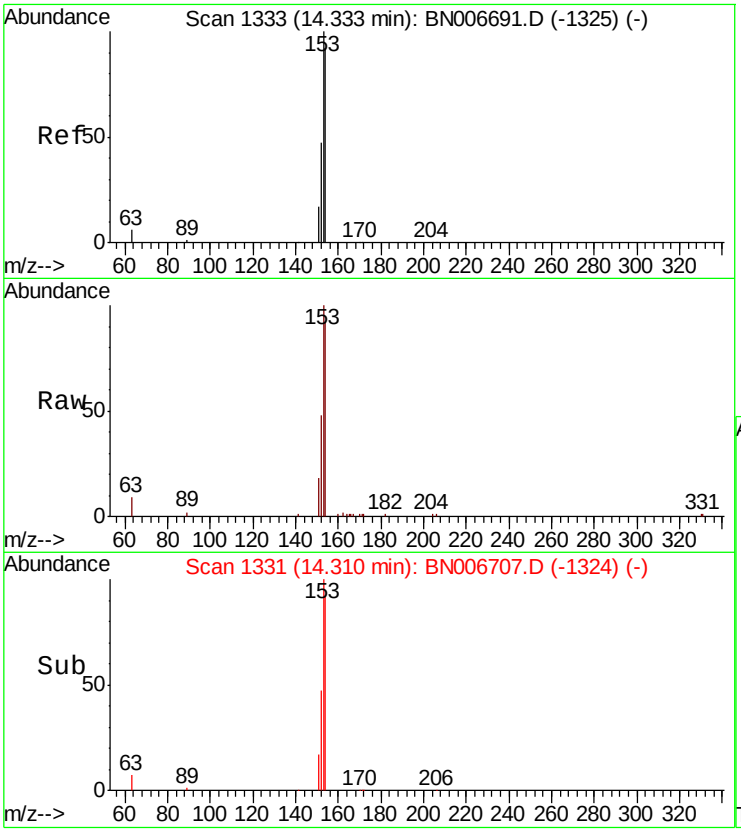


#16
Acenaphthylene
Concen: 0.429 ng
RT: 13.96 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:152 Resp: 19791

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.2	10.6	15.8



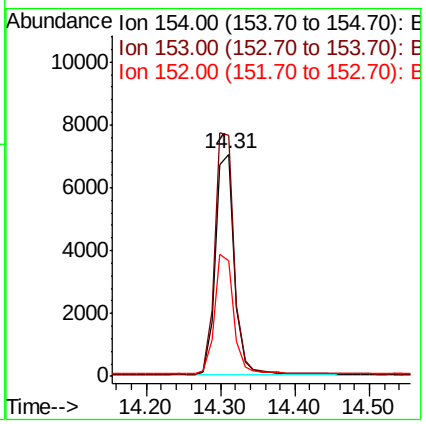


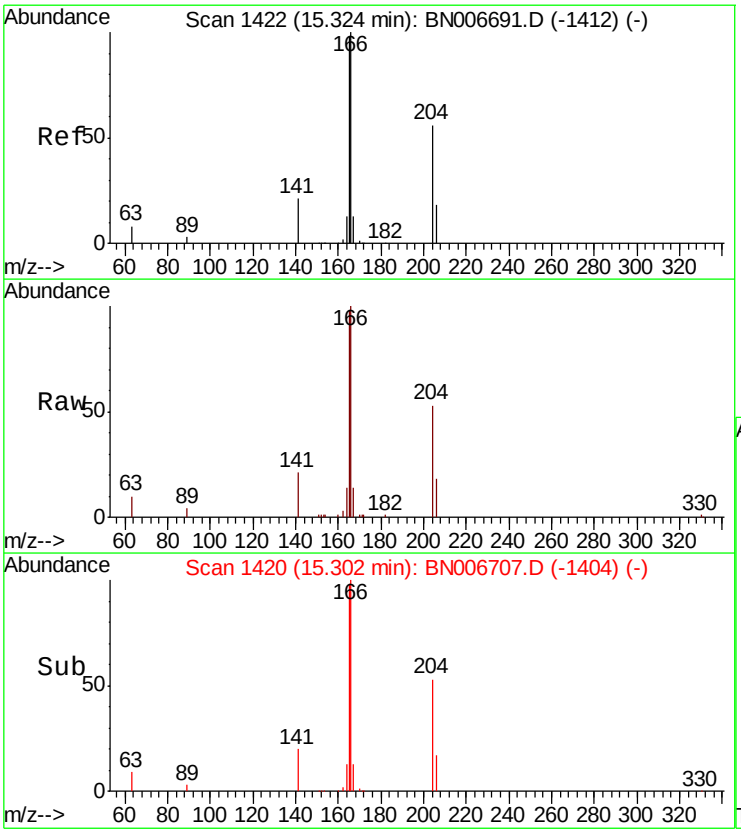
#17
Acenaphthene
Concen: 0.417 ng
RT: 14.31 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:154 Resp: 12271

Ion	Ratio	Lower	Upper
154	100		
153	112.8	88.9	133.3
152	54.8	42.8	64.2

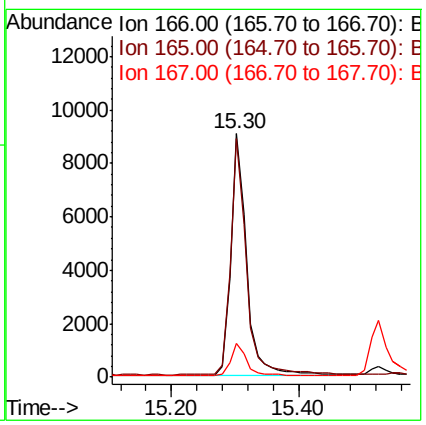


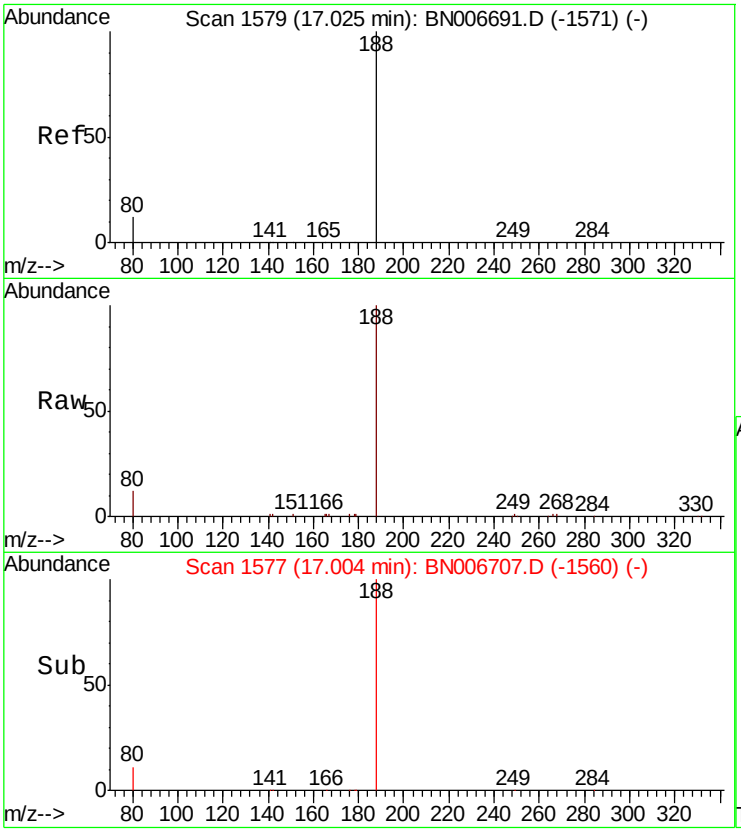


#18
Fluorene
Concen: 0.427 ng
RT: 15.30 min Scan# 1420
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:166 Resp: 15585

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.0	117.0
167	13.6	10.7	16.1



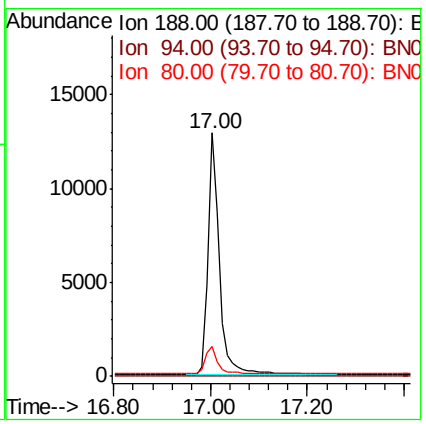


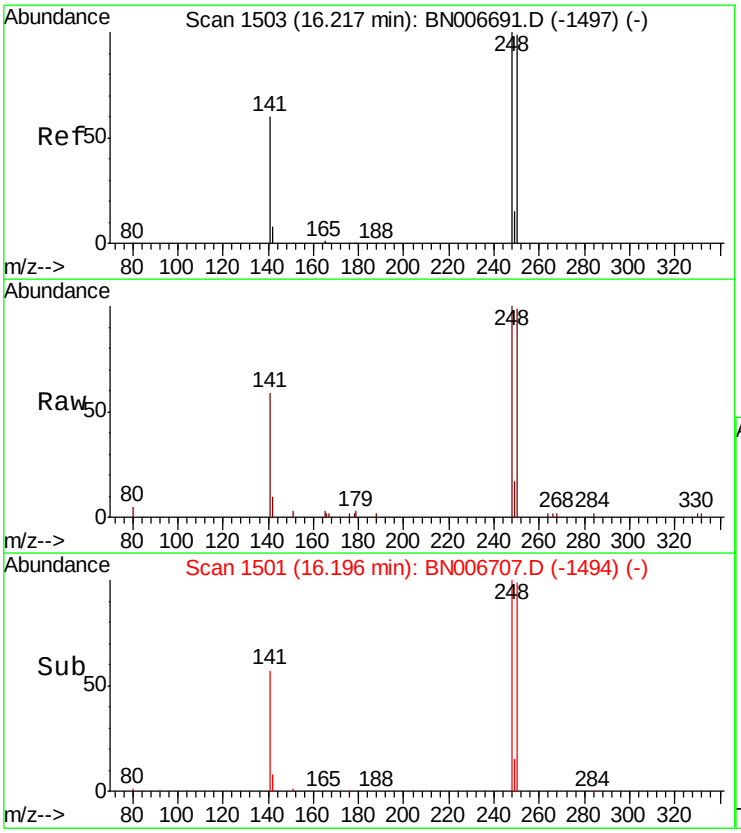
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.00 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:188 Resp: 21631

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.2	10.3	15.5

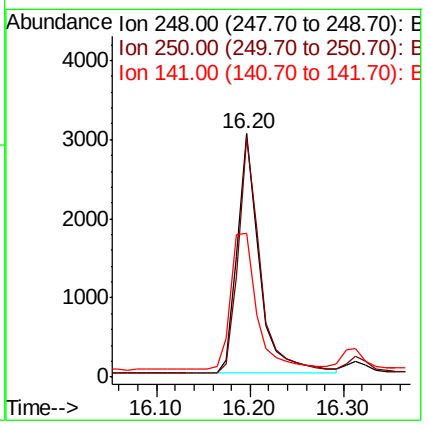


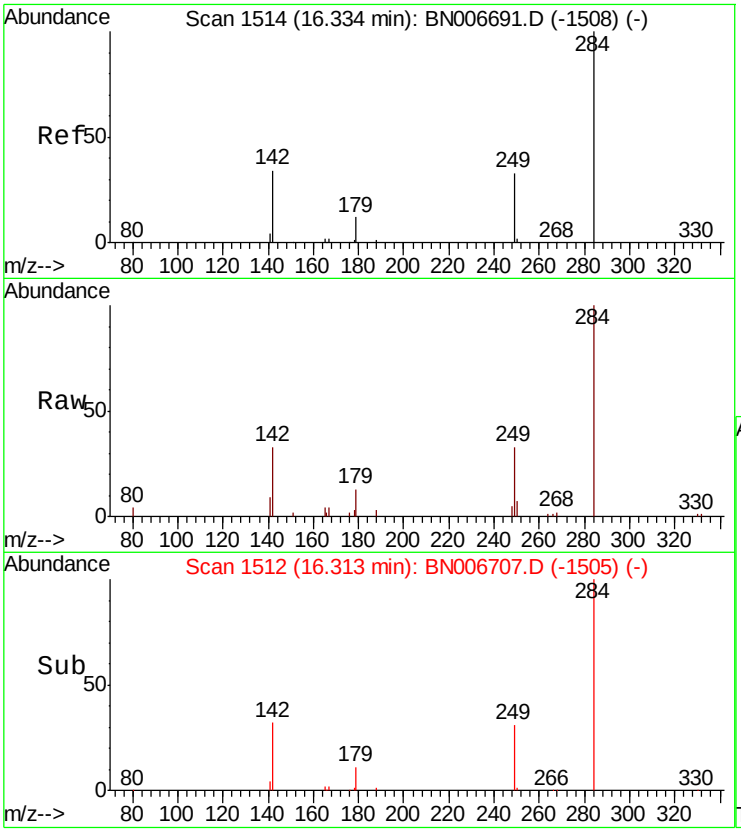


#20
4-Bromophenyl-phenylether
Concen: 0.395 ng
RT: 16.20 min Scan# 1501
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:248 Resp: 5034

Ion	Ratio	Lower	Upper
248	100		
250	98.7	79.0	118.6
141	59.2	50.2	75.4



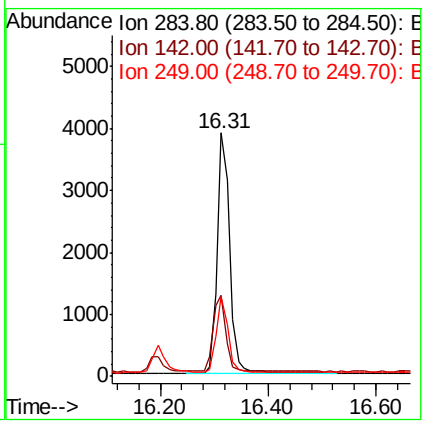


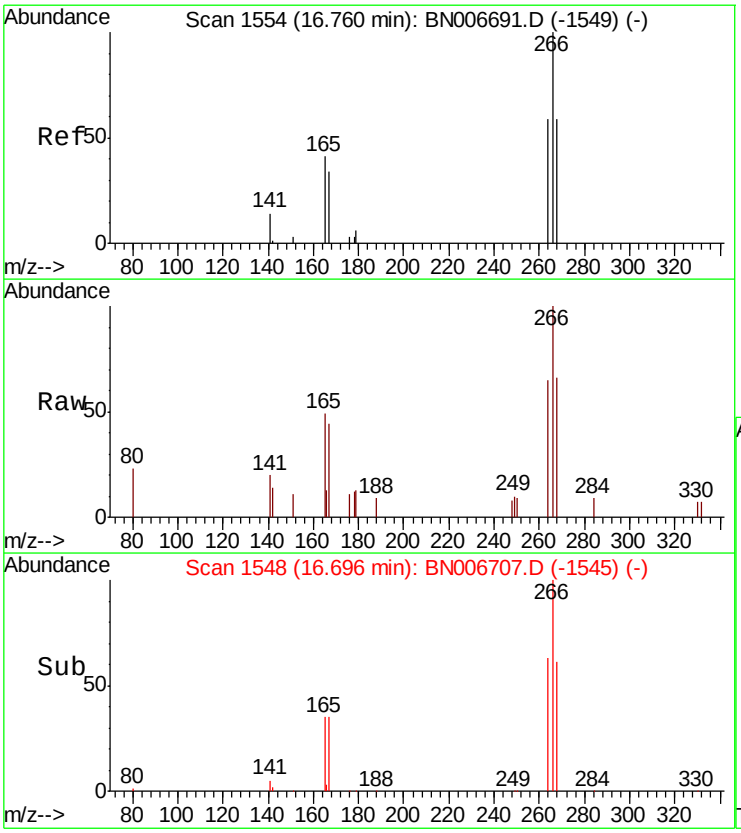
#21
Hexachlorobenzene
Concen: 0.409 ng
RT: 16.31 min Scan# 1512
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:284 Resp: 6196

Ion	Ratio	Lower	Upper
284	100		
142	32.8	26.9	40.3
249	29.6	24.4	36.6

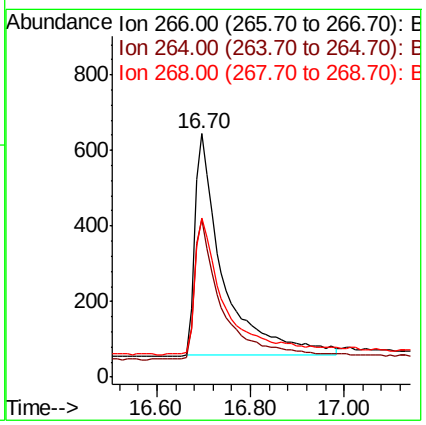


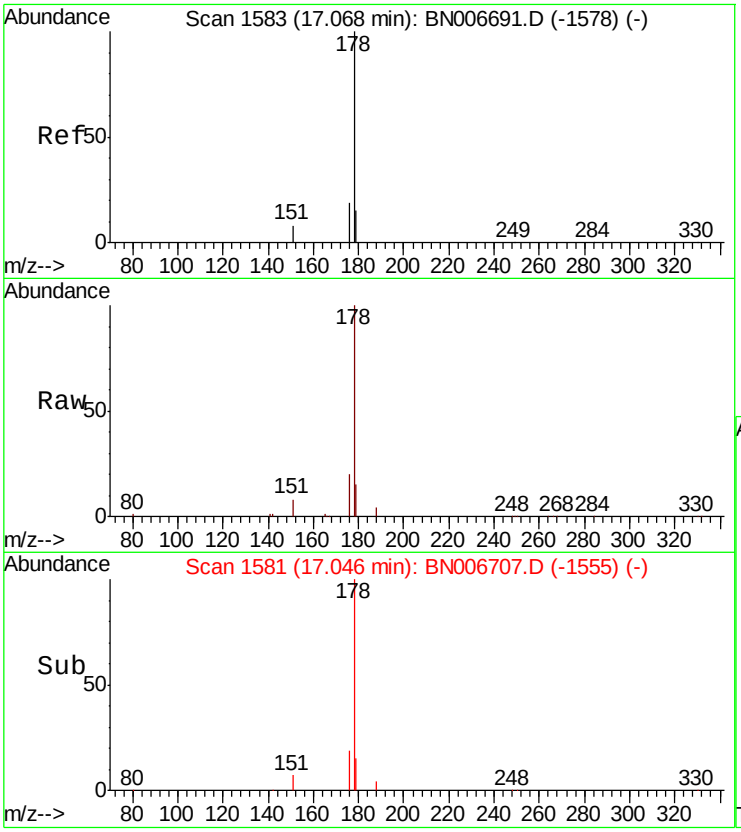


#22
Pentachlorophenol
Concen: 1.155 ng
RT: 16.70 min Scan# 1548
Delta R.T. -0.06 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:266 Resp: 2393

Ion	Ratio	Lower	Upper
266	100		
264	64.8	57.6	86.4
268	65.5	66.6	99.8#



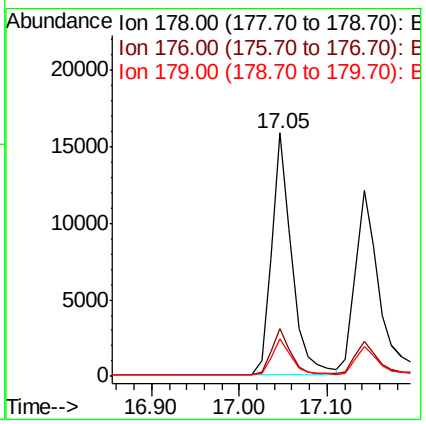


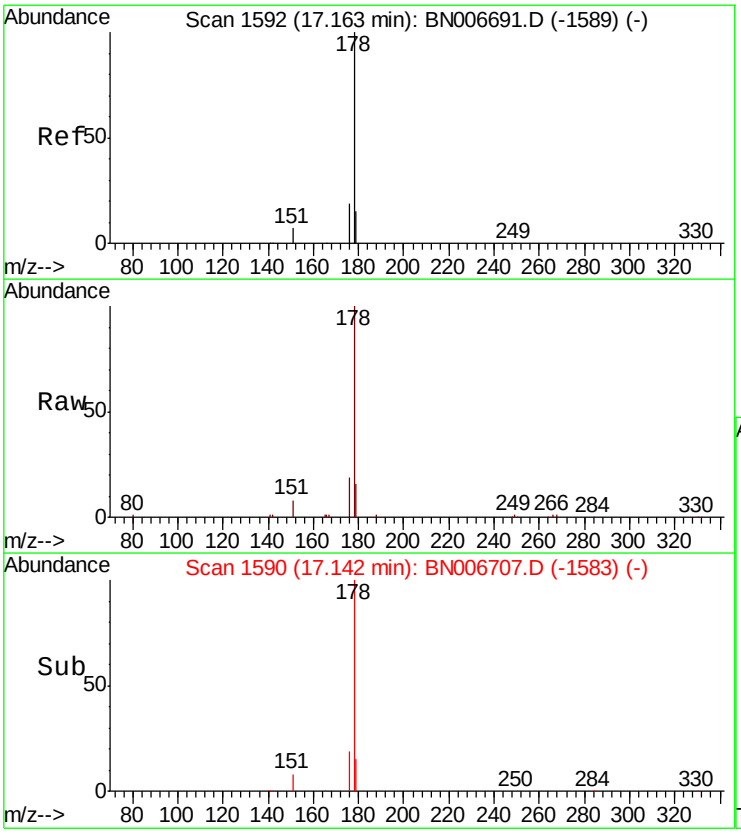
#23
Phenanthrene
Concen: 0.407 ng
RT: 17.05 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:178 Resp: 25378

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.2	12.4	18.6

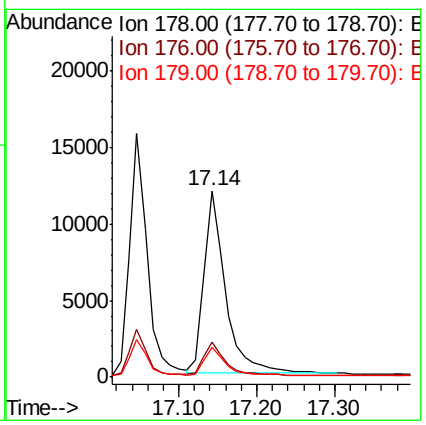


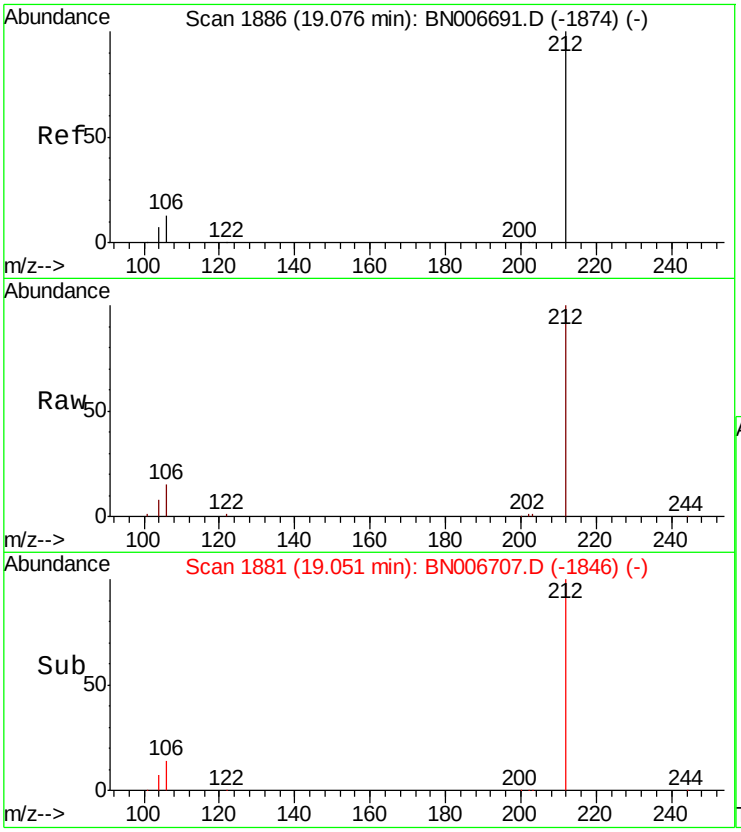


#24
Anthracene
Concen: 0.405 ng
RT: 17.14 min Scan# 1590
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:178 Resp: 22831

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.1	11.9	17.9



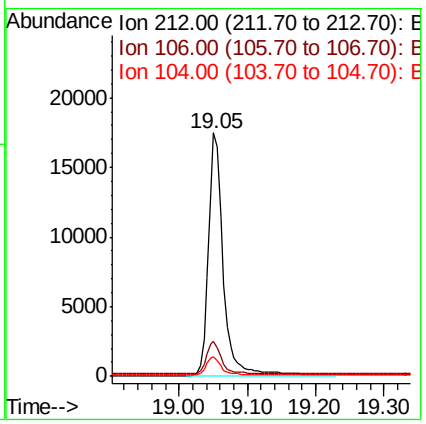


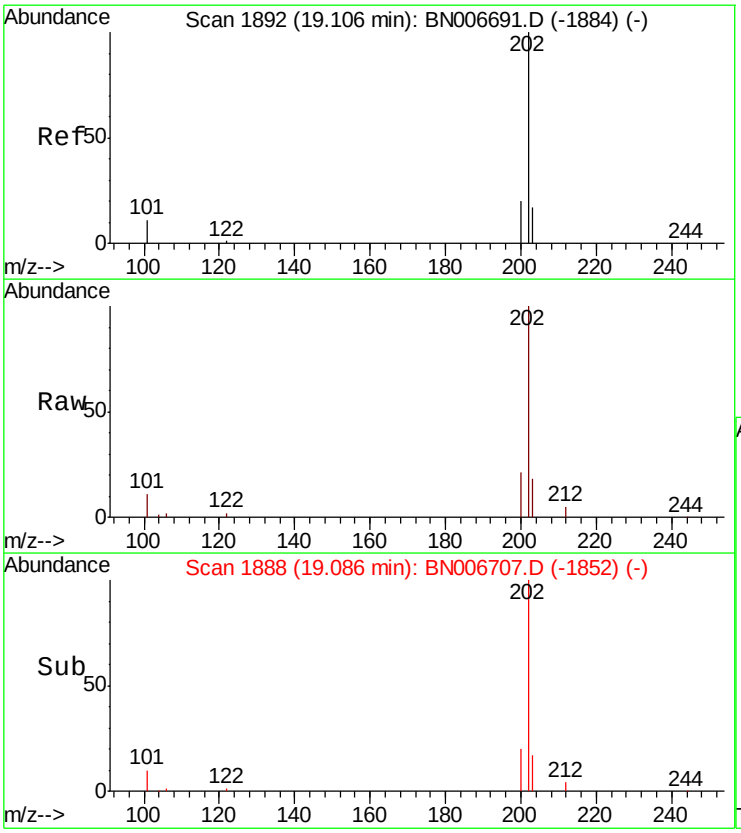
#25
Fluoranthene-d10
Concen: 0.429 ng
RT: 19.05 min Scan# 1881
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:212 Resp: 26544

Ion	Ratio	Lower	Upper
212	100		
106	13.6	11.0	16.6
104	7.2	6.1	9.1

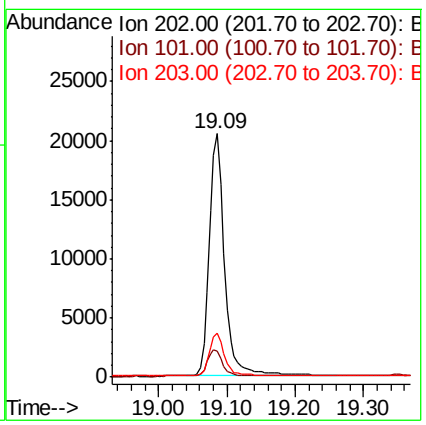


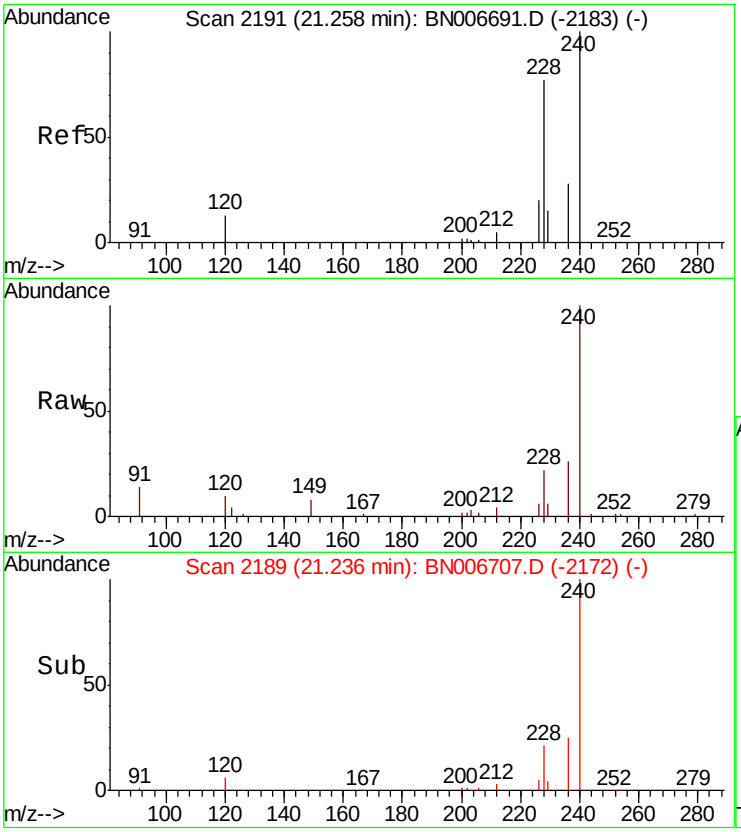


#26
Fluoranthene
Concen: 0.441 ng
RT: 19.09 min Scan# 1888
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:202 Resp: 32254

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.7	13.1
203	17.2	13.8	20.6



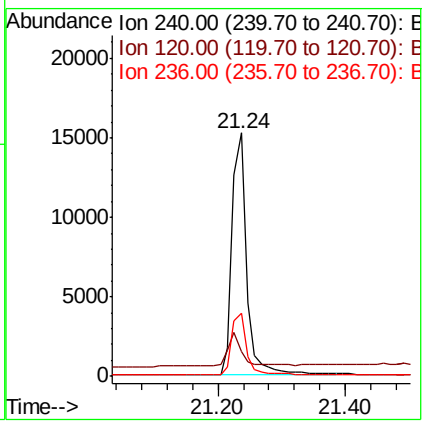


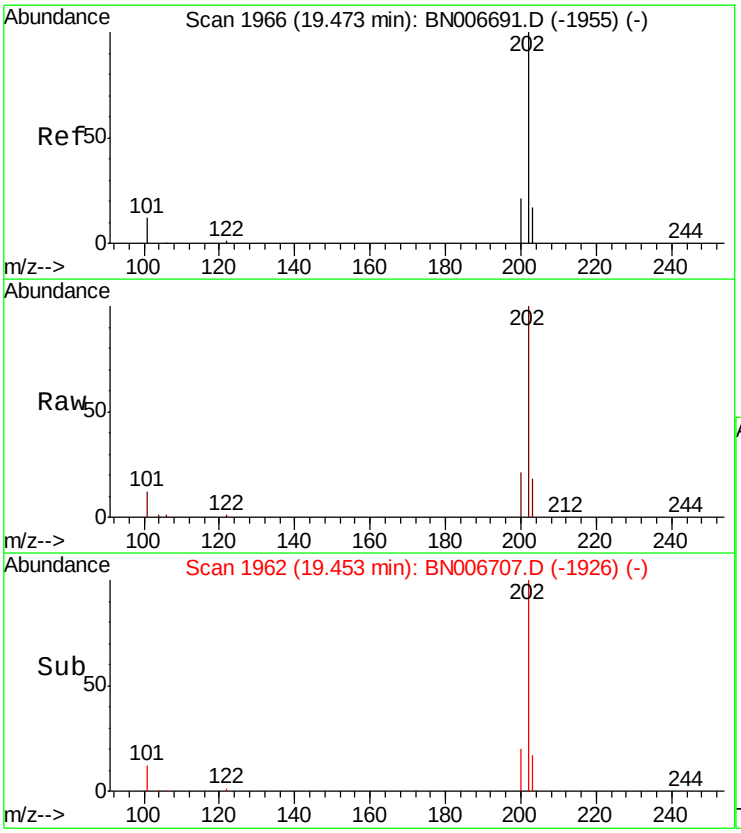
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 2189
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:240 Resp: 24405

Ion	Ratio	Lower	Upper
240	100		
120	10.1	12.9	19.3#
236	25.8	23.2	34.8

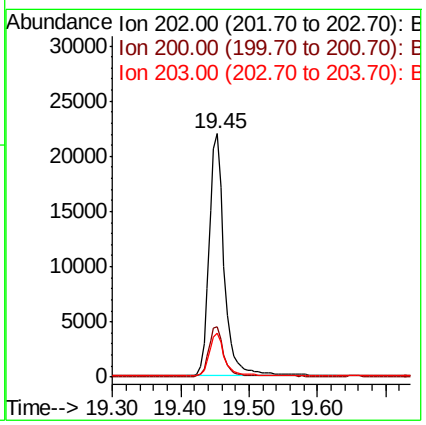


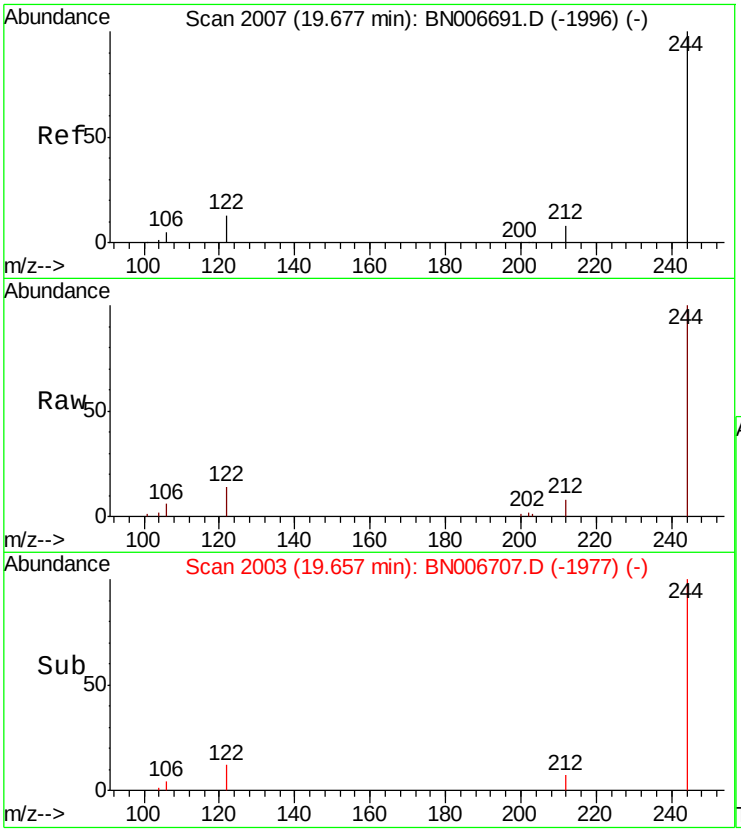


#28
Pyrene
Concen: 0.347 ng
RT: 19.45 min Scan# 1962
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:202 Resp: 33846

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	17.7	14.2	21.2



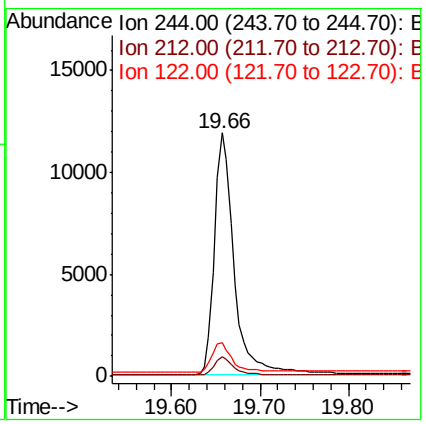


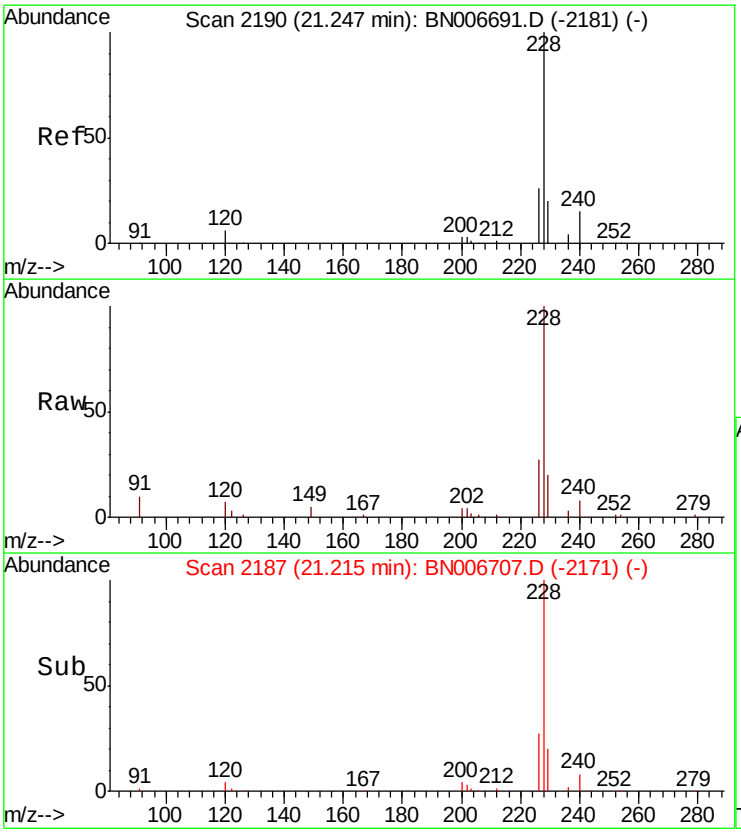
#29
Terphenyl-d14
Concen: 0.331 ng
RT: 19.66 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:244 Resp: 18618

Ion	Ratio	Lower	Upper
244	100		
212	7.9	7.0	10.4
122	13.6	11.5	17.3

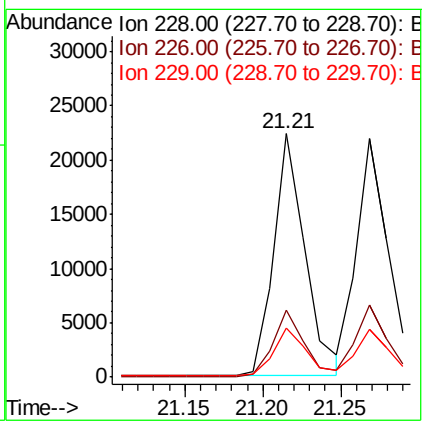


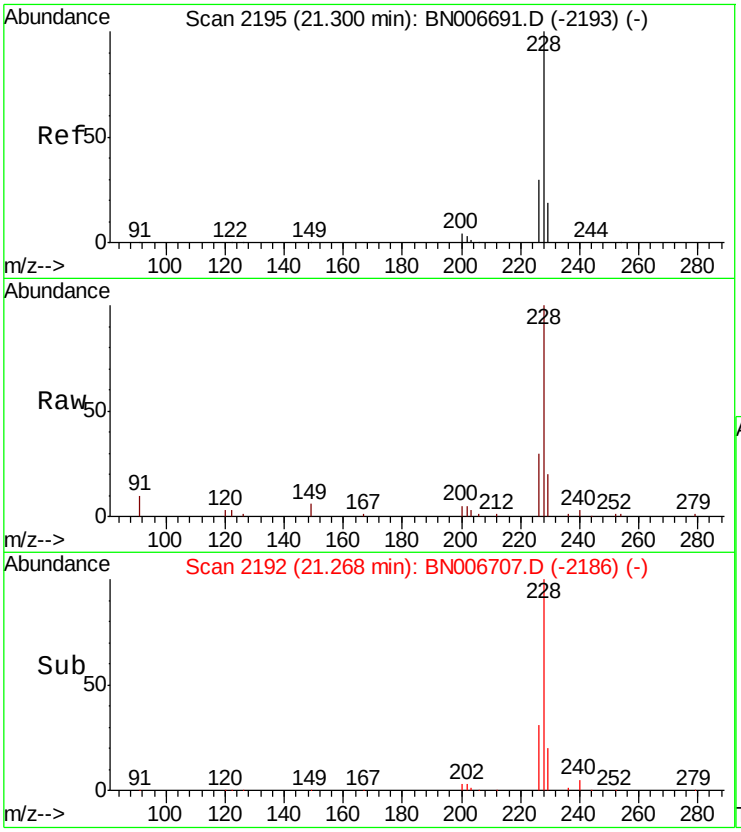


#30
Benzo(a)anthracene
Concen: 0.370 ng
RT: 21.21 min Scan# 2187
Delta R.T. -0.03 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:228 Resp: 31139

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.5	32.3
229	20.3	16.2	24.4



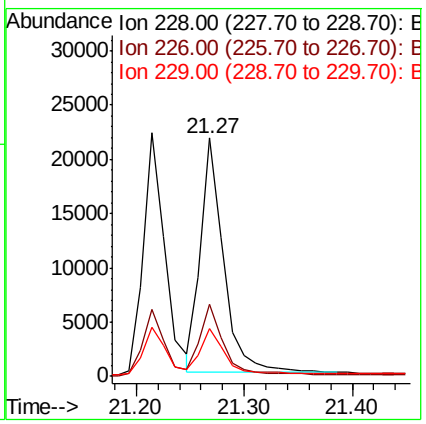


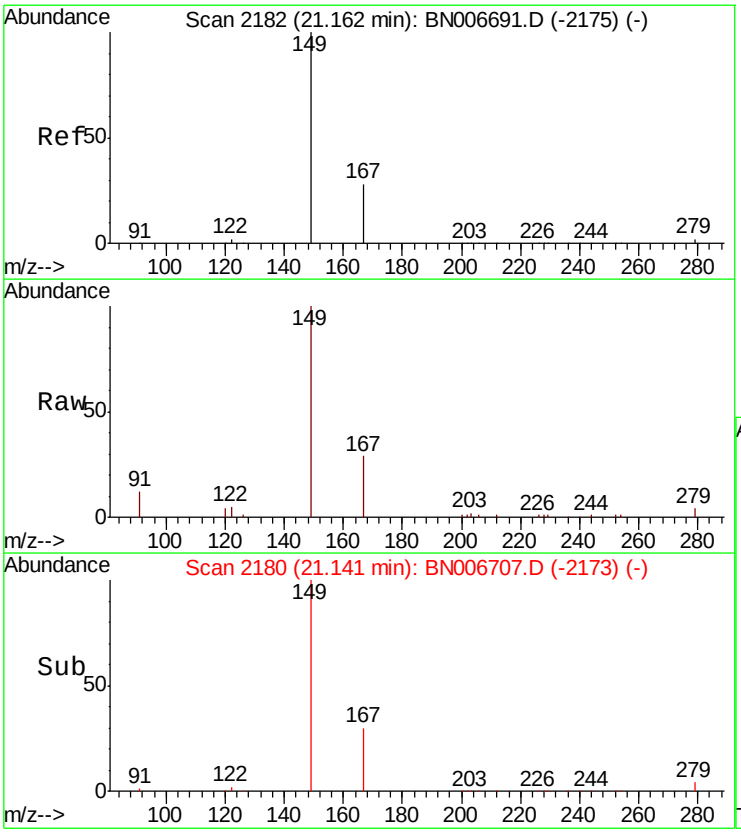
#31
Chrysene
Concen: 0.368 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:228 Resp: 31904

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.2
229	20.3	15.8	23.6

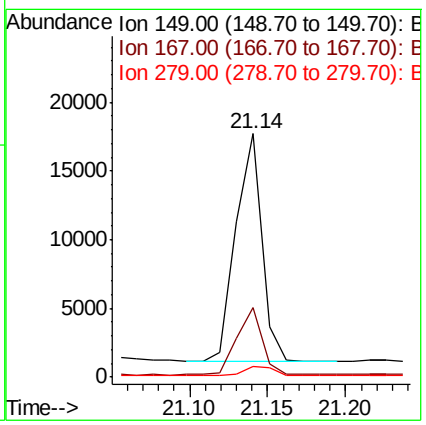


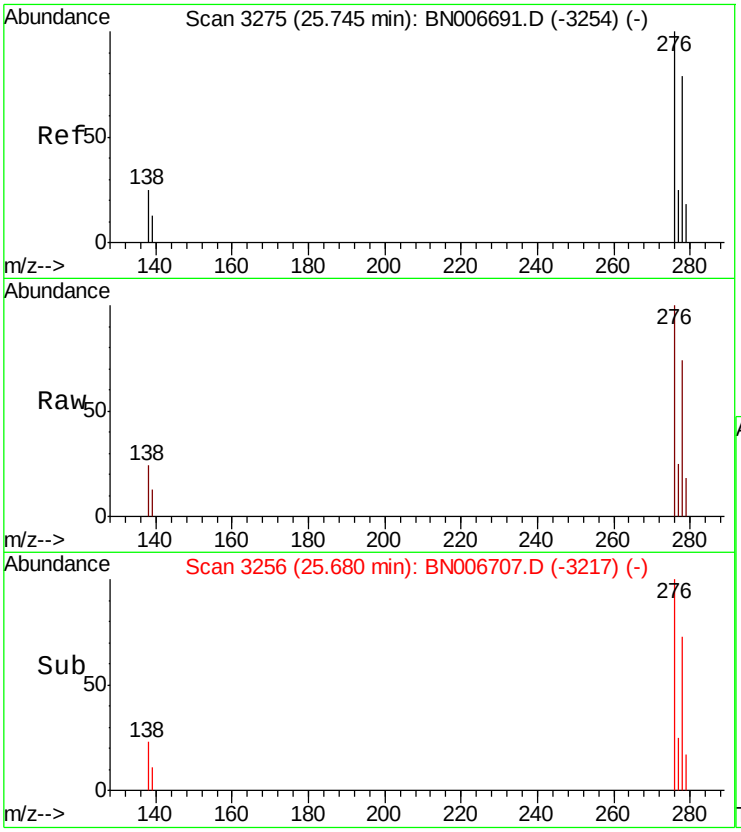


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.076 ng
RT: 21.14 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:149 Resp: 19121

Ion	Ratio	Lower	Upper
149	100		
167	29.1	22.9	34.3
279	4.6	3.2	4.8



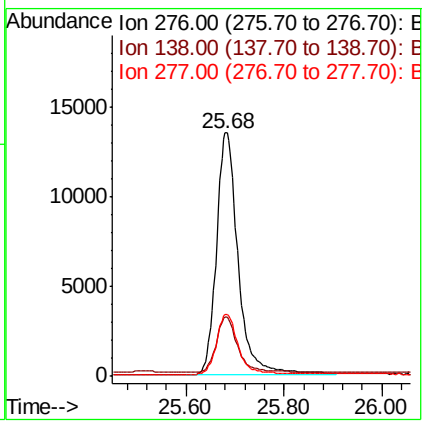


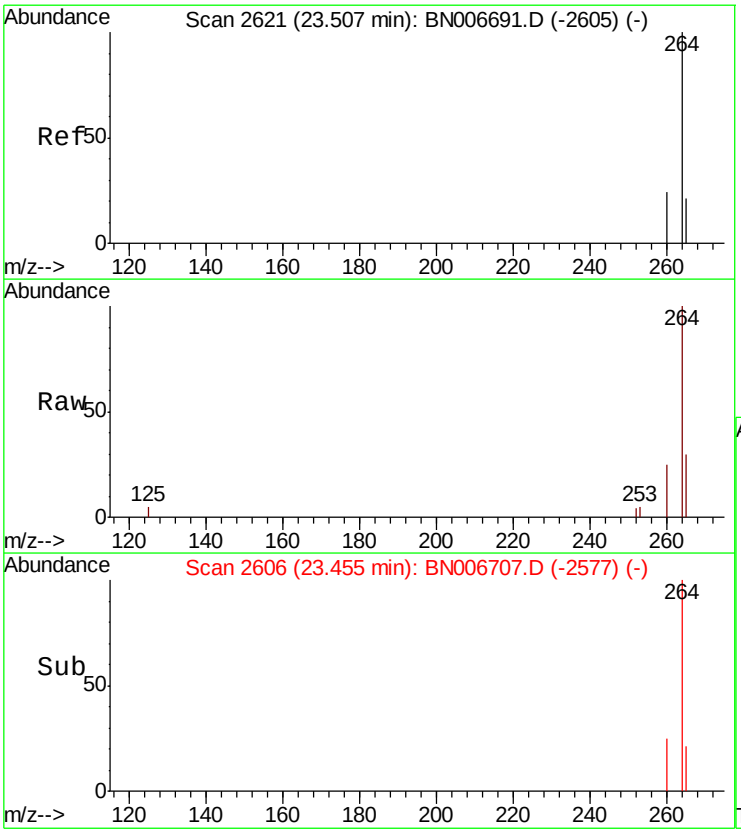
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.402 ng
RT: 25.68 min Scan# 3256
Delta R.T. -0.07 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:276 Resp: 41749

Ion	Ratio	Lower	Upper
276	100		
138	22.3	19.5	29.3
277	24.5	19.7	29.5

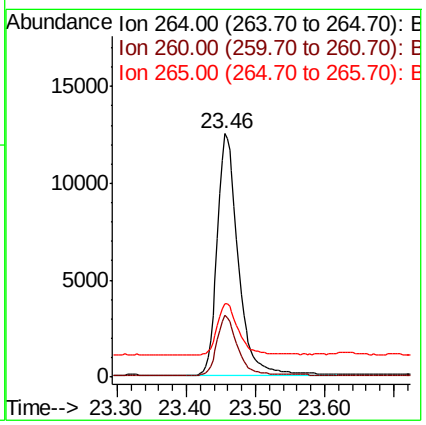


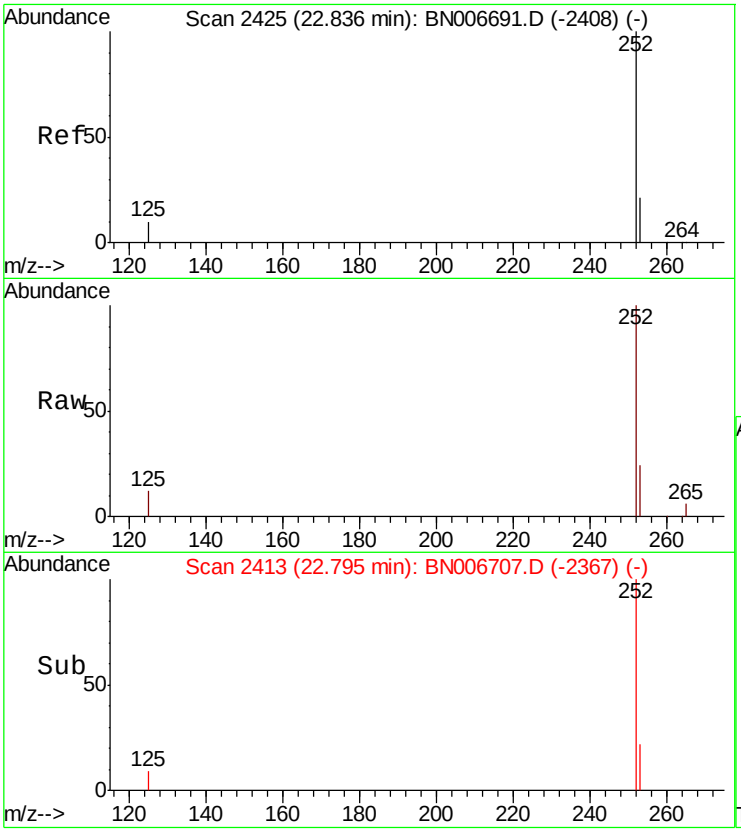


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2606
Delta R.T. -0.05 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:264 Resp: 26284

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	30.2	33.7	50.5#



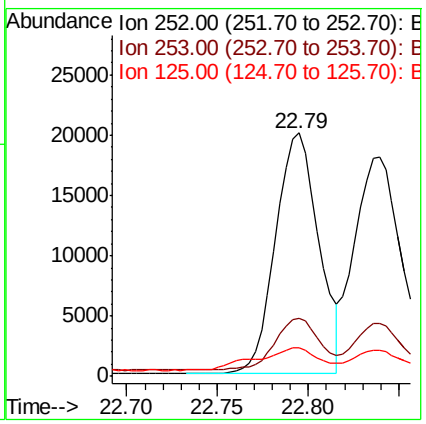


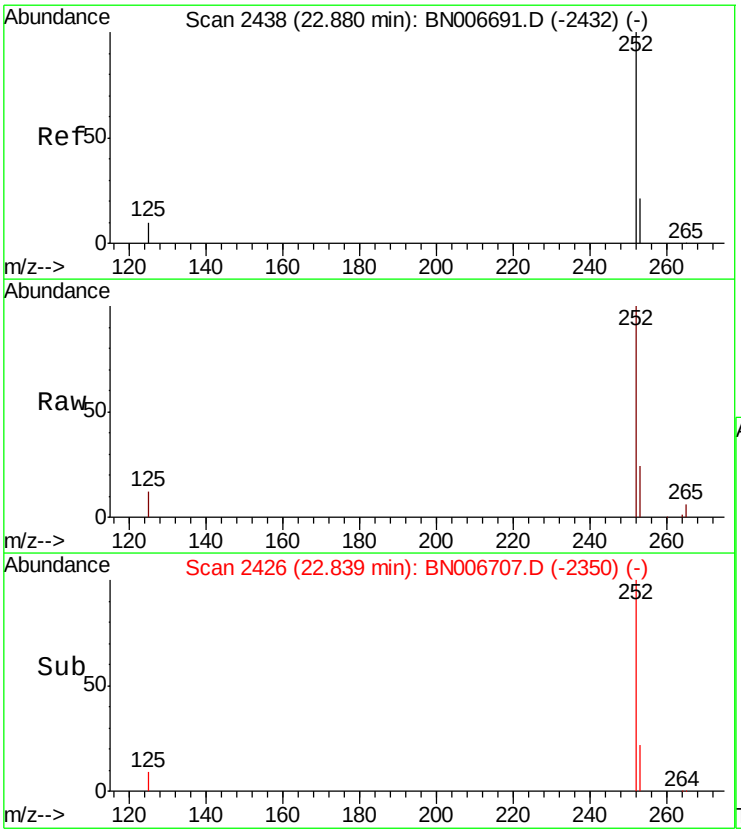
#35
Benzo(b)fluoranthene
Concen: 0.391 ng
RT: 22.79 min Scan# 2413
Delta R.T. -0.04 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:252 Resp: 32982

Ion	Ratio	Lower	Upper
252	100		
253	23.9	20.2	30.2
125	11.7	11.5	17.3

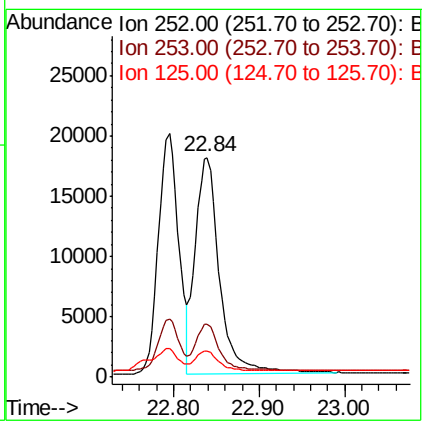


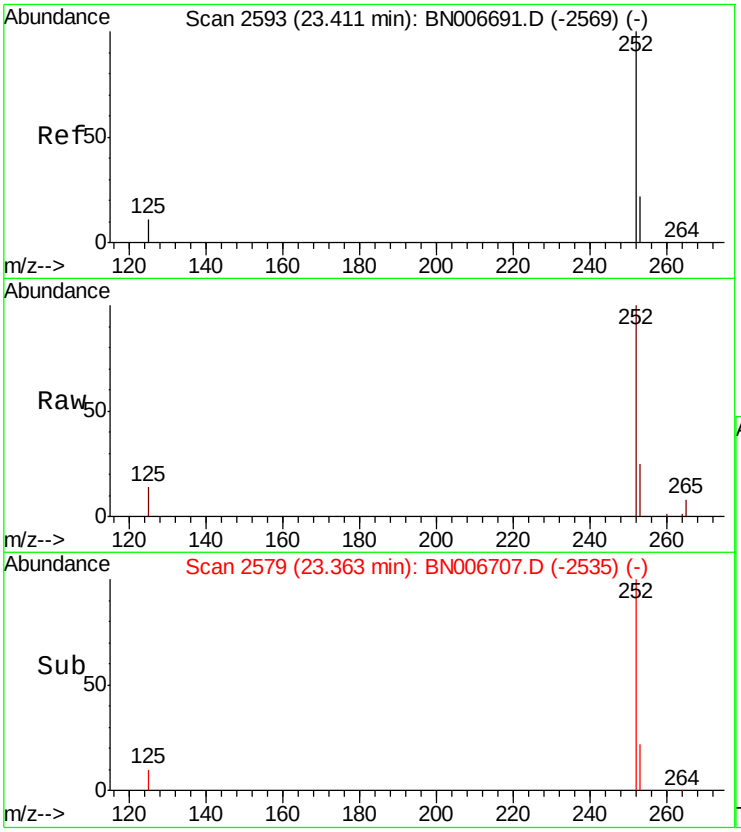


#36
Benzo(k)fluoranthene
Concen: 0.384 ng
RT: 22.84 min Scan# 2426
Delta R.T. -0.04 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:252 Resp: 35145

Ion	Ratio	Lower	Upper
252	100		
253	24.1	20.1	30.1
125	11.6	11.4	17.0



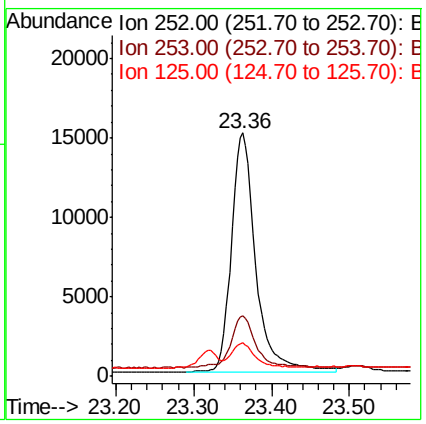


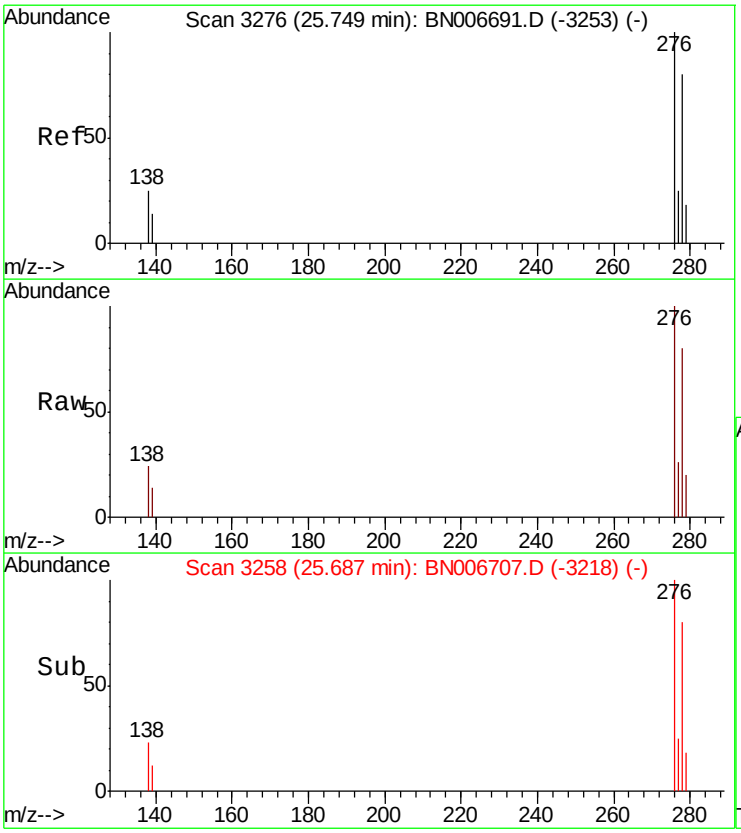
#37
Benzo(a)pyrene
Concen: 0.403 ng
RT: 23.36 min Scan# 2579
Delta R.T. -0.05 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:252 Resp: 32900

Ion	Ratio	Lower	Upper
252	100		
253	24.8	21.4	32.2
125	13.6	13.3	19.9

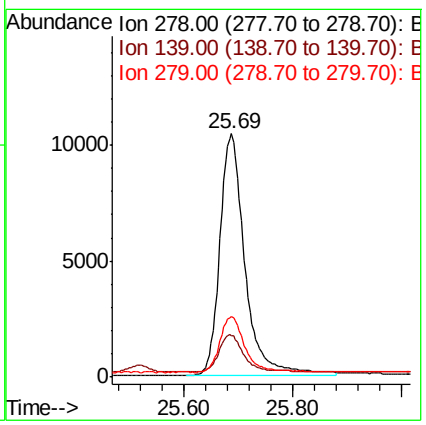


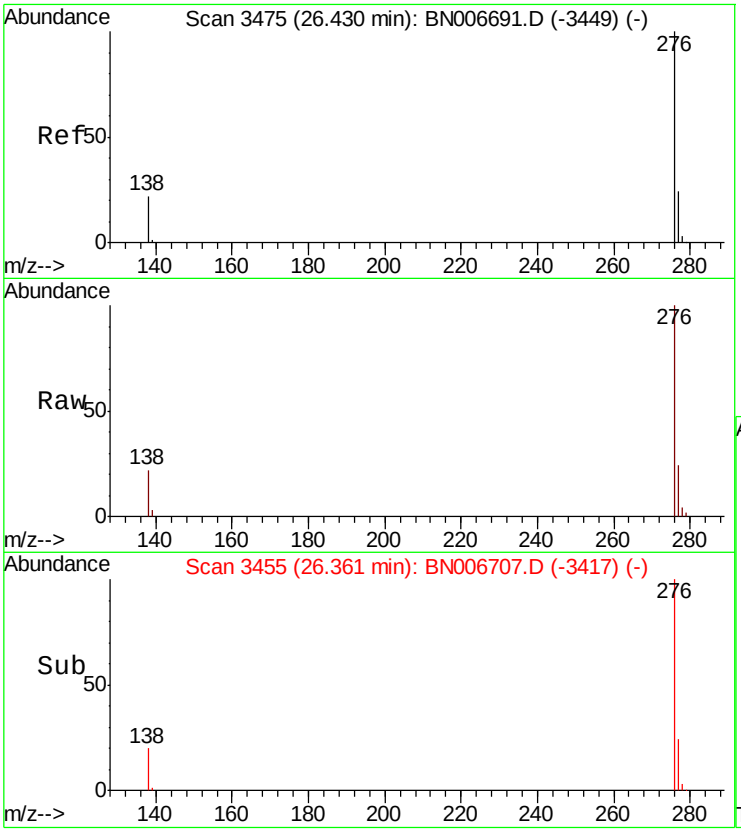


#38
Dibenzo(a,h)anthracene
Concen: 0.409 ng
RT: 25.69 min Scan# 3258
Delta R.T. -0.06 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Tgt Ion:278 Resp: 33204

Ion	Ratio	Lower	Upper
278	100		
139	17.0	16.2	24.4
279	25.0	20.7	31.1





#39
Benzo(g,h,i)perylene
Concen: 0.418 ng
RT: 26.36 min Scan# 3455
Delta R.T. -0.07 min
Lab File: BN006707.D
Acq: 05 Jul 2019 10:12

Instrument :
BNA_N
ClientSampleId :
PB120849BS

Tgt Ion:276 Resp: 34931

Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.6	30.8
138	22.1	19.7	29.5