Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN083019\
Data File : BN007523.D
Acq On : 30 Aug 2019 14:50
Operator : HP/JU
Sample : PB122692BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB122692BSD

Quant Time: Aug 31 01:59:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 12:18:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5566	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	23857	0.40	ng		-0.01
13) Acenaphthene-d10	14.03	164	14740	0.40	ng		-0.02
19) Phenanthrene-d10	16.79	188	36525	0.40	ng		0.00
27) Chrysene-d12	21.02	240	36522	0.40	ng		0.00
34) Perylene-d12	23.11	264	33924	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.03	112	6278	0.32	ng		0.00
5) Phenol-d6	6.59	99	8120	0.32	ng		0.00
8) Nitrobenzene-d5	8.53	82	5788	0.28	ng		0.00
11) 2-Methylnaphthalene-d10	11.75	152	15393	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.54	330	2476	0.32	ng		-0.02
15) 2-Fluorobiphenyl	12.65	172	19504	0.33	ng		0.00
25) Fluoranthene-d10	18.83	212	40437	0.34	ng		-0.01
29) Terphenyl-d14	19.46	244	32213	0.34	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.99	88	1851	0.200	ng	#	39
3) n-Nitrosodimethylamine	3.32	42	917	0.213	ng	#	64
6) bis(2-Chloroethyl)ether	6.83	93	5503	0.274	ng		94
9) Naphthalene	10.19	128	18587	0.273	ng	#	91
10) Hexachlorobutadiene	10.49	225	3361	0.241	ng	#	99
12) 2-Methylnaphthalene	11.82	142	13262	0.286	ng		98
16) Acenaphthylene	13.76	152	21554	0.247	ng		99
17) Acenaphthene	14.10	154	13475	0.264	ng		99
18) Fluorene	15.09	166	18152	0.281	ng		99
20) 4-Bromophenyl-phenylether	16.01	248	1641	0.114	ng	#	86
21) Hexachlorobenzene	16.10	284	6349	0.259	ng		95
22) Pentachlorophenol	16.46	266	2811	0.370	ng	#	65
23) Phenanthrene	16.83	178	30626	0.279	ng		99
24) Anthracene	16.92	178	29159	0.264	ng		99
26) Fluoranthene	18.86	202	39612	0.281	ng		99
28) Pyrene	19.23	202	40407	0.275	ng		99
30) Benzo(a)anthracene	20.99	228	37387	0.261	ng		99
31) Chrysene	21.05	228	37219	0.269	ng		99
32) Bis(2-ethylhexyl)phthalate	20.96	149	22011	0.218	ng		99
33) Indeno(1,2,3-cd)pyrene	25.17	276	36137	0.217	ng		98
35) Benzo(b)fluoranthene	22.50	252	34805	0.283	ng		98
36) Benzo(k)fluoranthene	22.54	252	36620	0.301	ng		99
37) Benzo(a)pyrene	23.02	252	32661	0.279	ng		97
38) Dibenzo(a,h)anthracene	25.19	278	29218	0.250	ng		98
39) Benzo(g,h,i)perylene	25.80	276	30452	0.262	ng		99

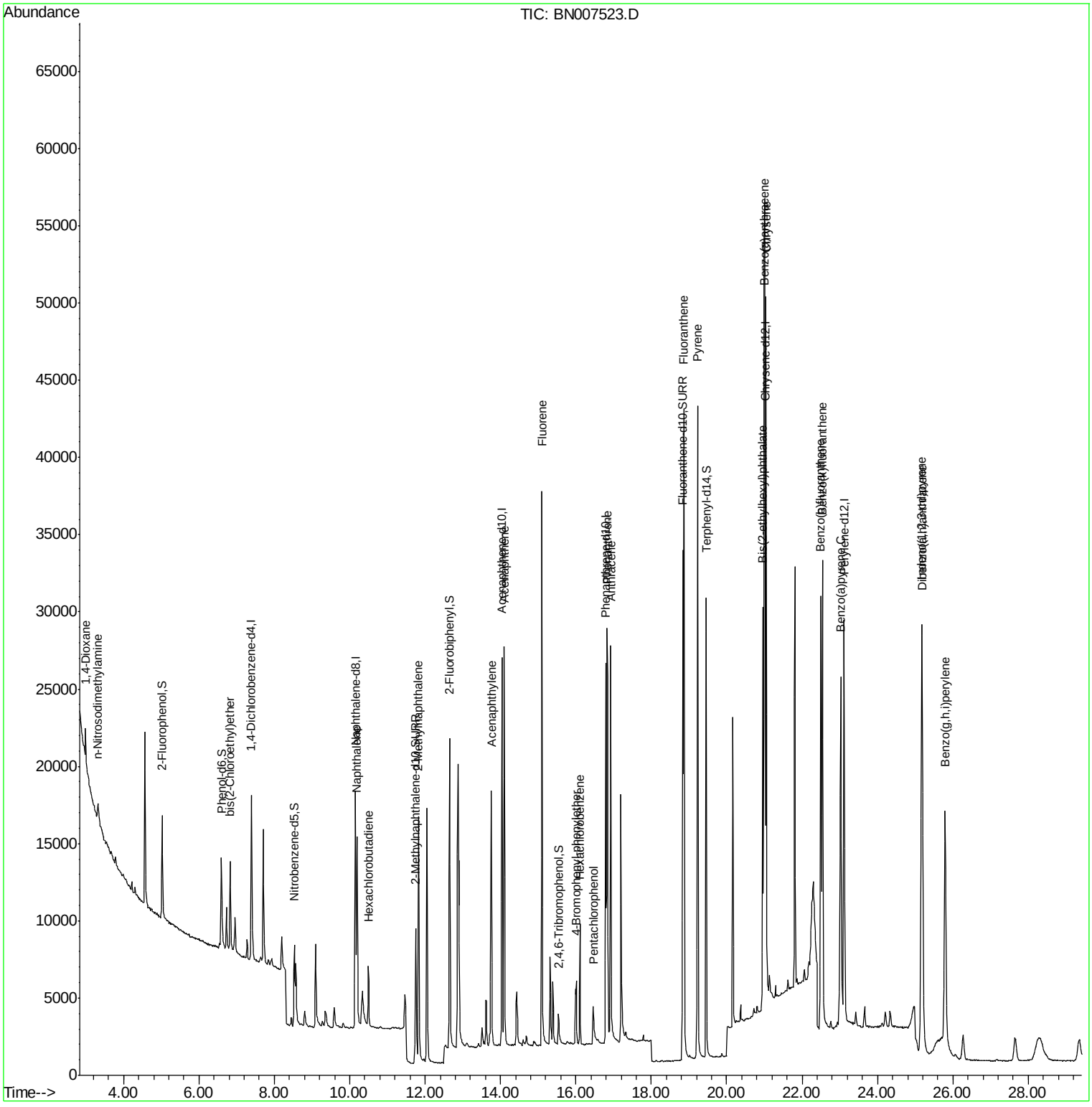
(#) = qualifier out of range (m) = manual integration (+) = signals summed

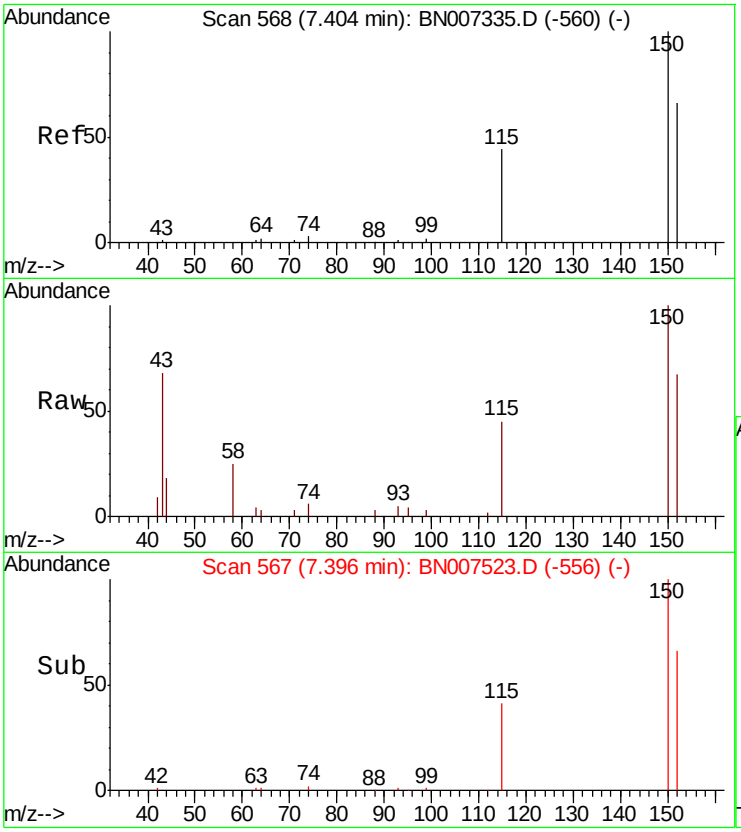
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN083019\
Data File : BN007523.D
Acq On : 30 Aug 2019 14:50
Operator : HP/JU
Sample : PB122692BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Quant Time: Aug 31 01:59:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 12:18:45 2019
Response via : Initial Calibration



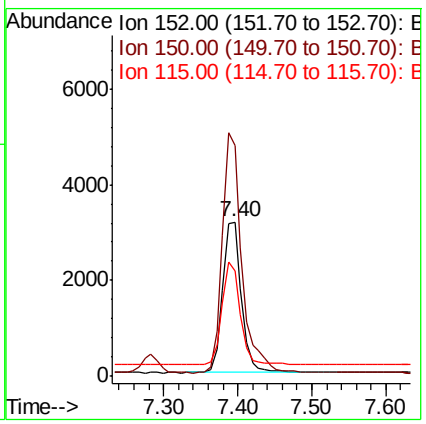


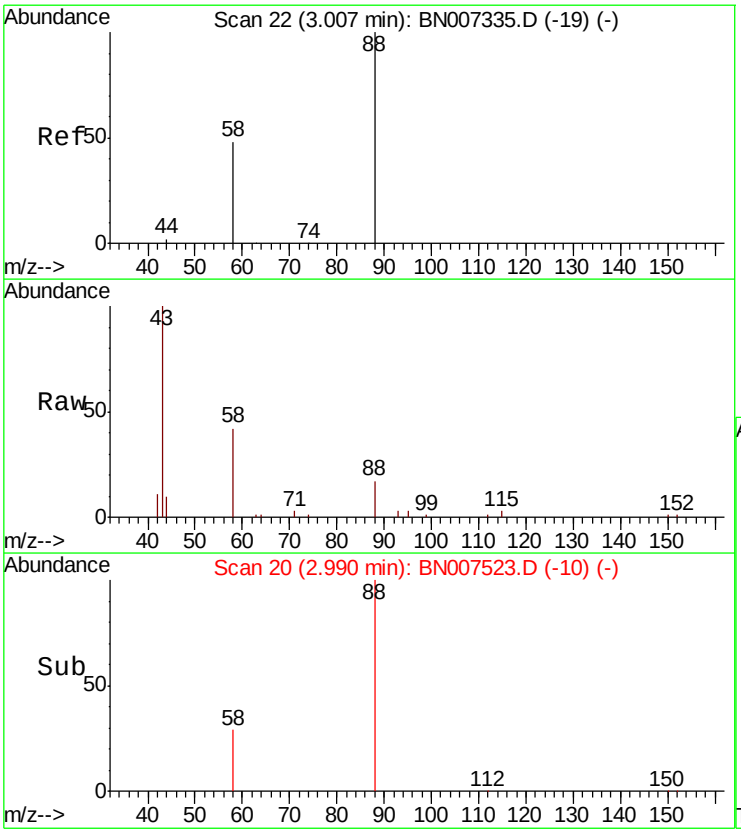
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:152 Resp: 5566

Ion	Ratio	Lower	Upper
152	100		
150	149.8	109.1	163.7
115	68.1	59.6	89.4

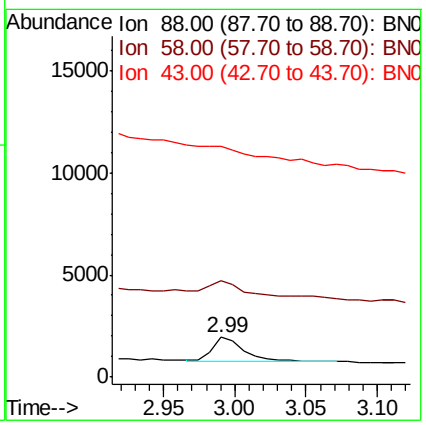


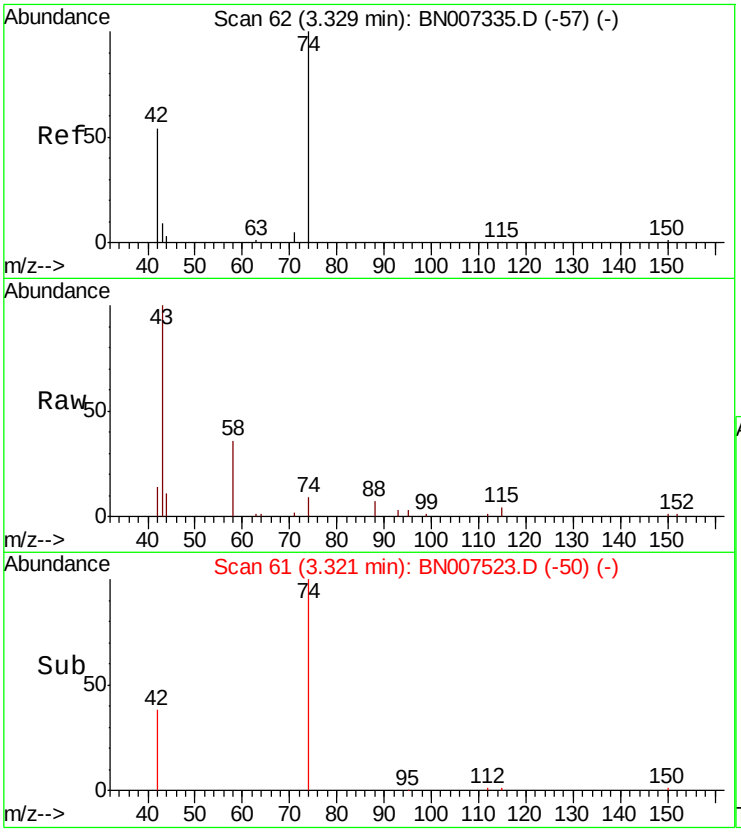


#2
1,4-Dioxane
Concen: 0.200 ng
RT: 2.99 min Scan# 20
Delta R.T. -0.02 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion: 88 Resp: 1851

Ion	Ratio	Lower	Upper
88	100		
58	110.5	50.5	75.7#
43	0.0	0.0	0.0



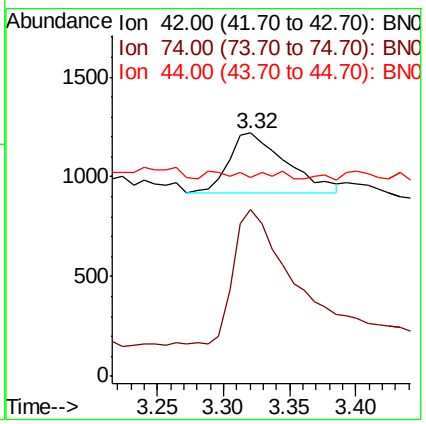


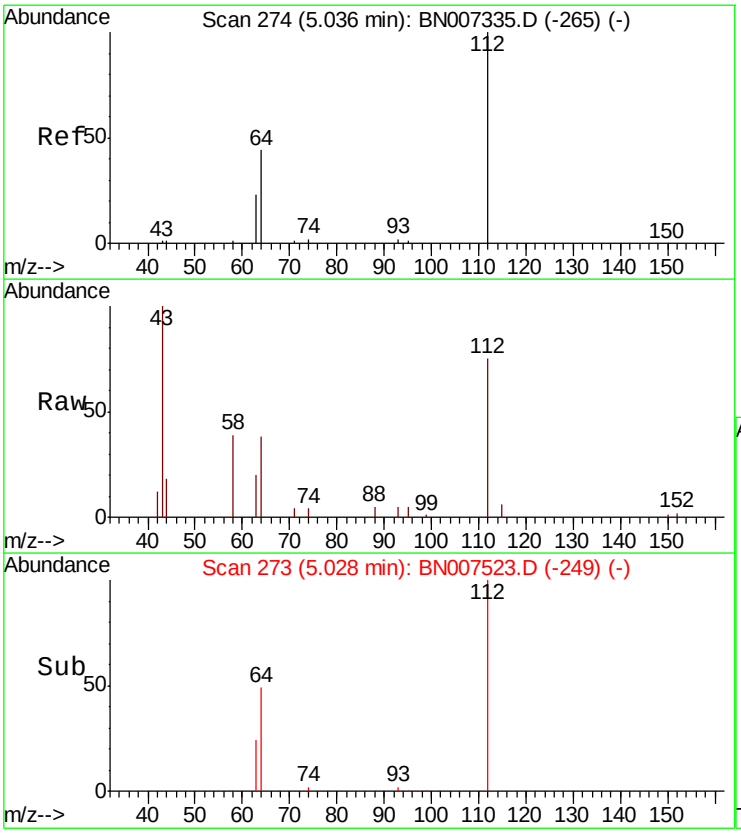
#3
n-Nitrosodimethylamine
Concen: 0.213 ng
RT: 3.32 min Scan# 61
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion: 42 Resp: 917

Ion	Ratio	Lower	Upper
42	100		
74	233.2	144.7	217.1#
44	0.0	3.2	4.8#

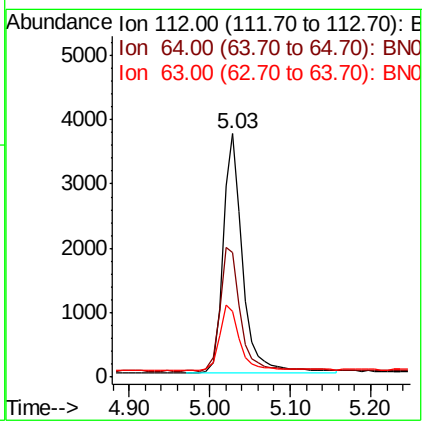


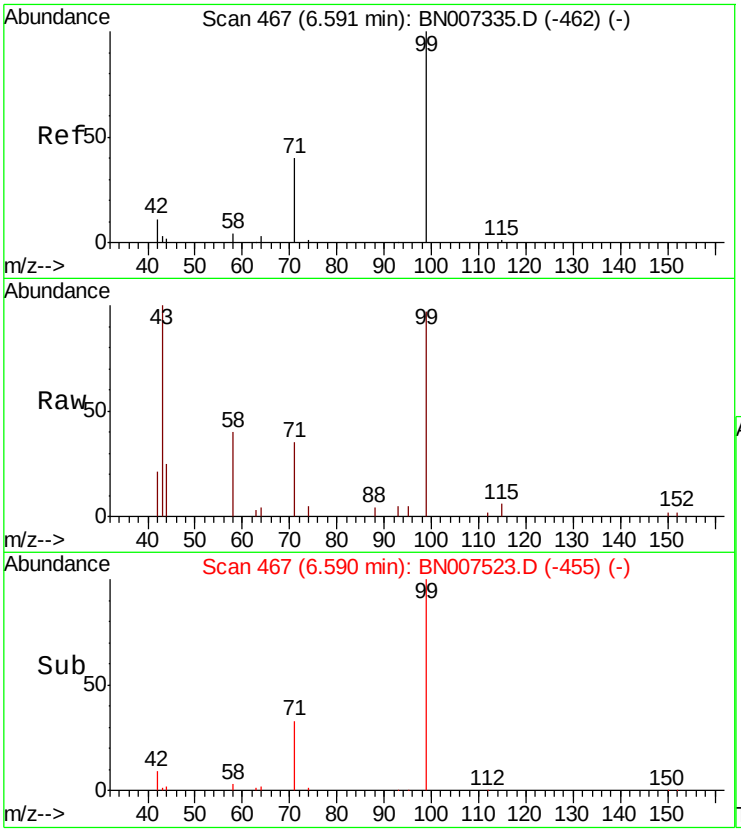


#4
2-Fluorophenol
Concen: 0.319 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:112 Resp: 6278

Ion	Ratio	Lower	Upper
112	100		
64	55.3	42.3	63.5
63	28.2	23.6	35.4



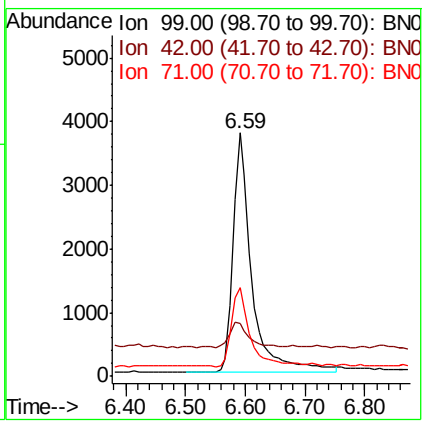


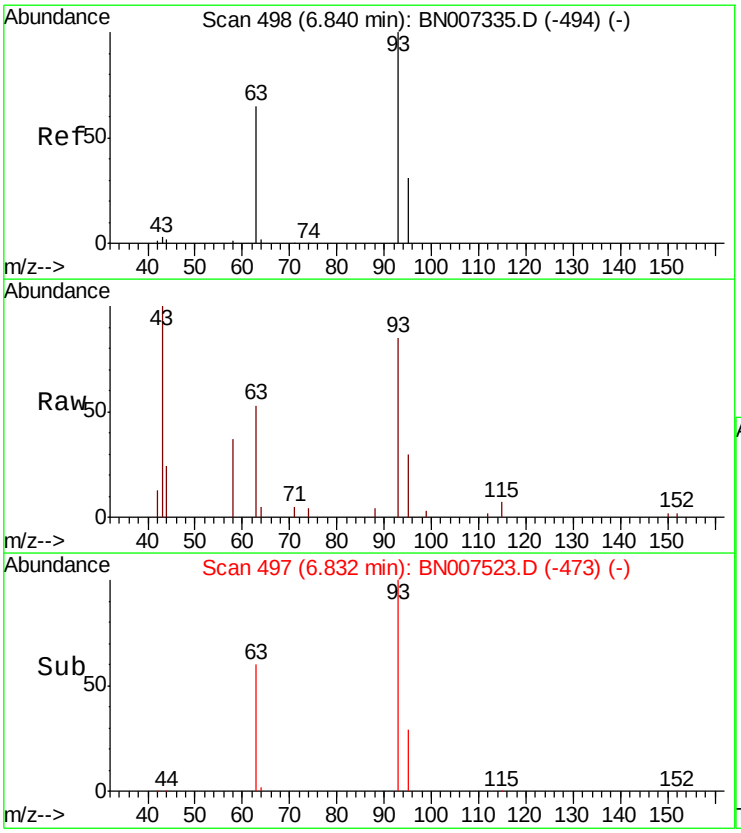
#5
Phenol-d6
Concen: 0.325 ng
RT: 6.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion: 99 Resp: 8120

Ion	Ratio	Lower	Upper
99	100		
42	11.8	11.2	16.8
71	33.2	31.8	47.8

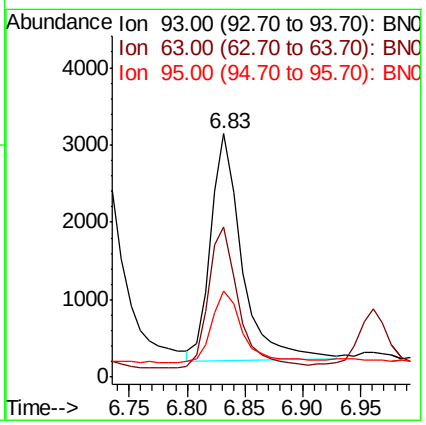


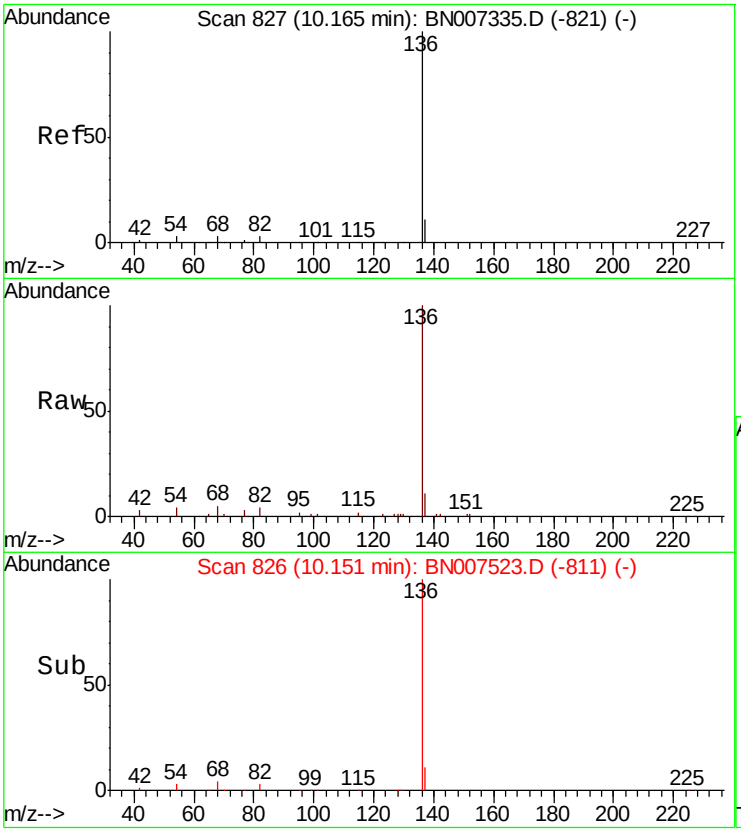


#6
bis(2-Chloroethyl)ether
Concen: 0.274 ng
RT: 6.83 min Scan# 497
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion: 93 Resp: 5503

Ion	Ratio	Lower	Upper
93	100		
63	60.0	51.9	77.9
95	31.6	27.7	41.5



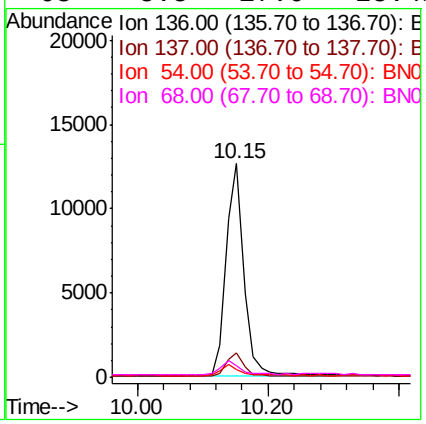


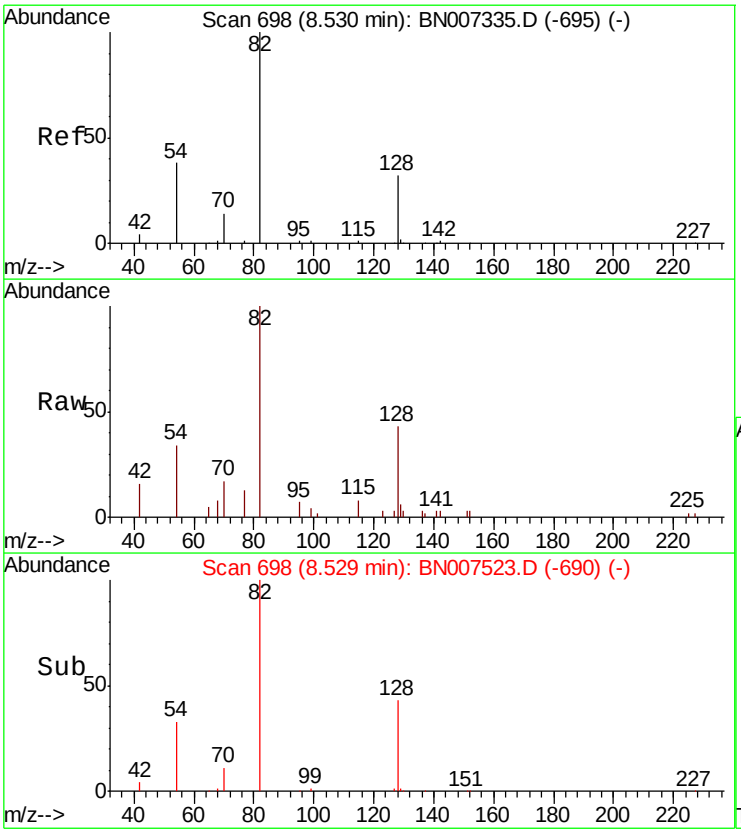
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:136 Resp: 23857

Ion	Ratio	Lower	Upper
136	100		
137	11.4	12.9	19.3#
54	3.9	8.6	12.8#
68	5.5	17.0	25.4#

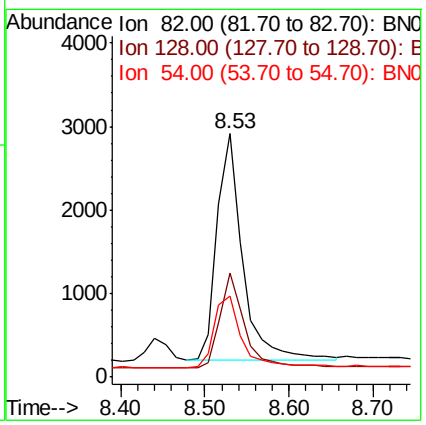


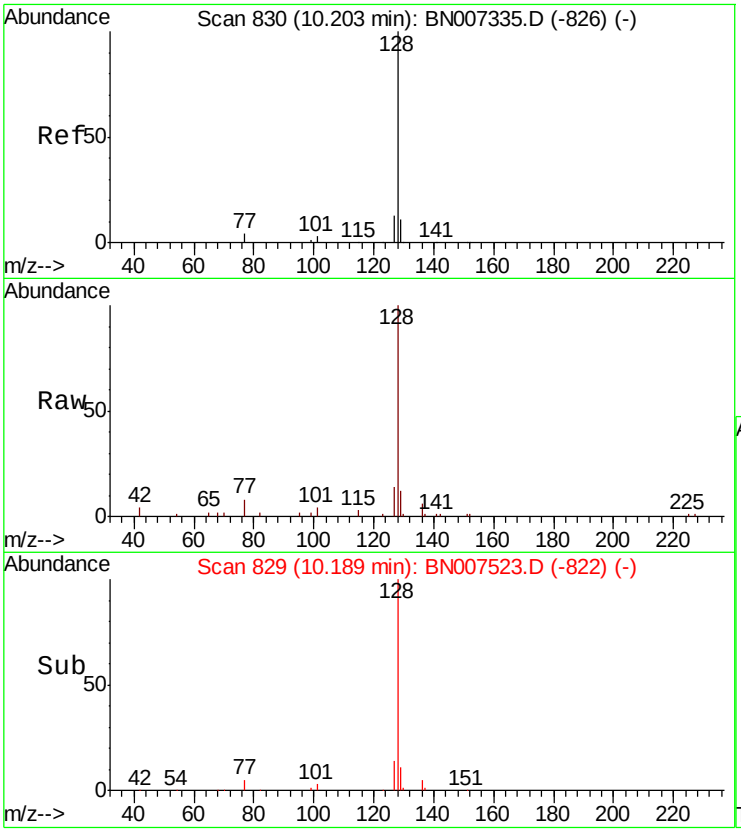


#8
Nitrobenzene-d5
Concen: 0.279 ng
RT: 8.53 min Scan# 698
Delta R.T. 0.00 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion: 82 Resp: 5788

Ion	Ratio	Lower	Upper
82	100		
128	42.6	19.7	29.5#
54	33.6	25.8	38.6



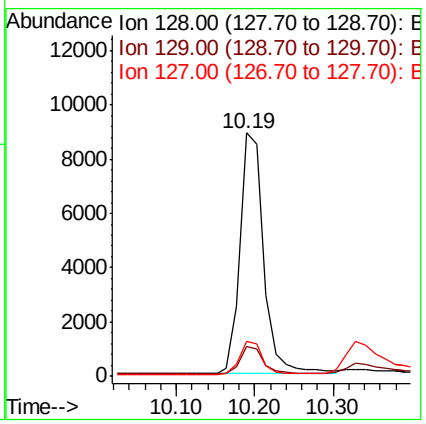


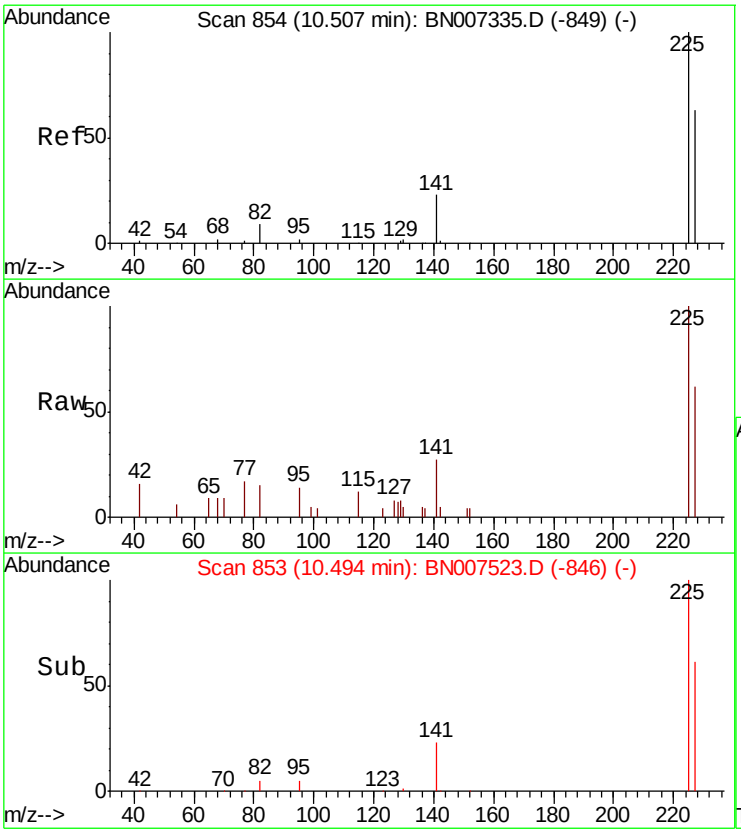
#9
Naphthalene
Concen: 0.273 ng
RT: 10.19 min Scan# 829
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:128 Resp: 18587

Ion	Ratio	Lower	Upper
128	100		
129	12.2	11.1	16.7
127	14.1	15.5	23.3#

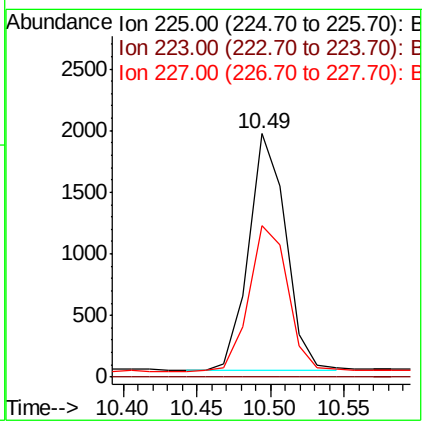


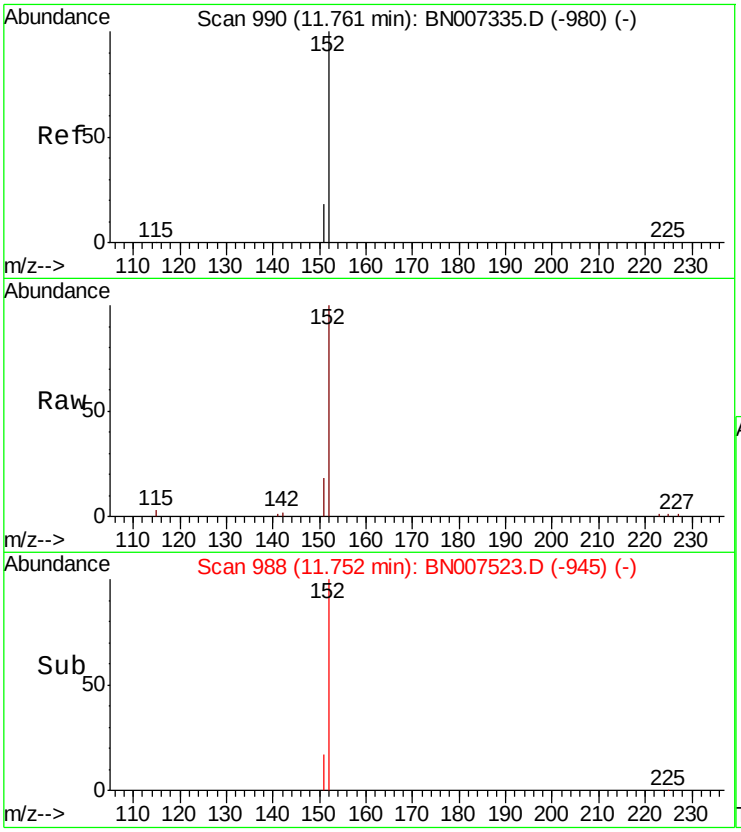


#10
Hexachlorobutadiene
Concen: 0.241 ng
RT: 10.49 min Scan# 853
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:225 Resp: 3361

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	50.7	76.1



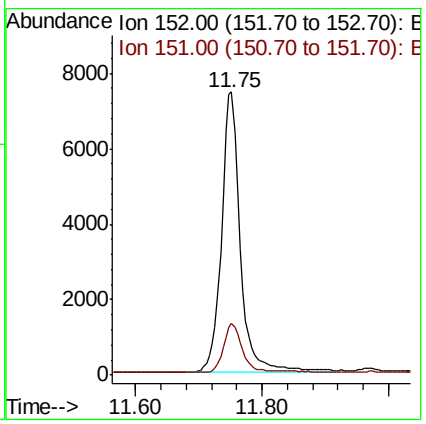


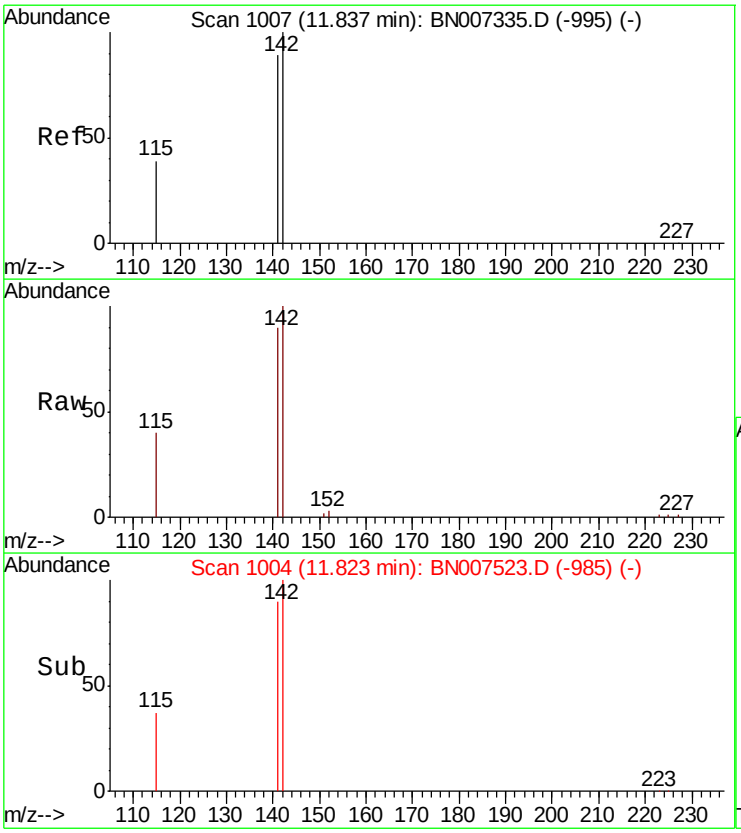
#11
2-Methylnaphthalene-d10
Concen: 0.388 ng
RT: 11.75 min Scan# 988
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:152 Resp: 15393

Ion	Ratio	Lower	Upper
152	100		
151	16.8	16.2	24.2

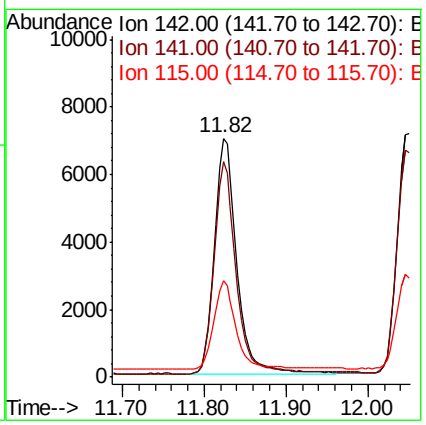


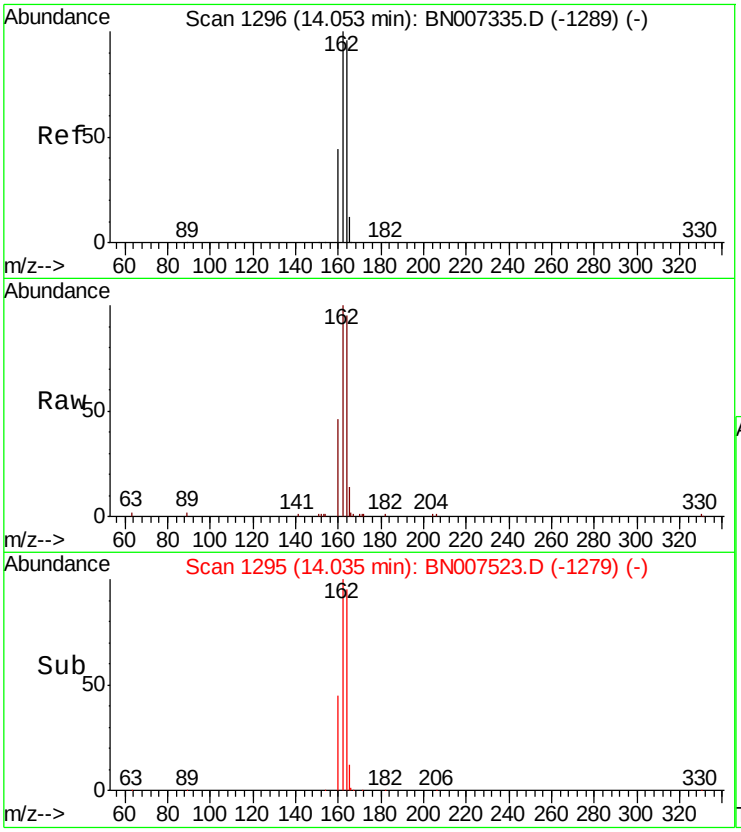


#12
2-Methylnaphthalene
Concen: 0.286 ng
RT: 11.82 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:142 Resp: 13262

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.8	109.2
115	40.3	35.2	52.8



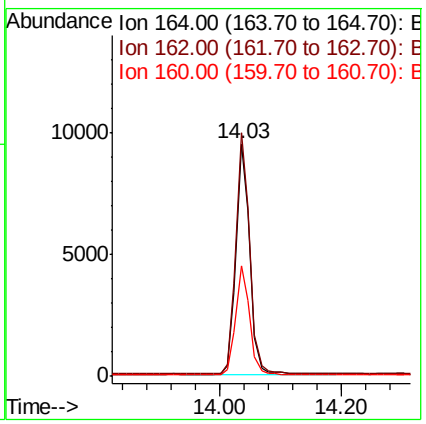


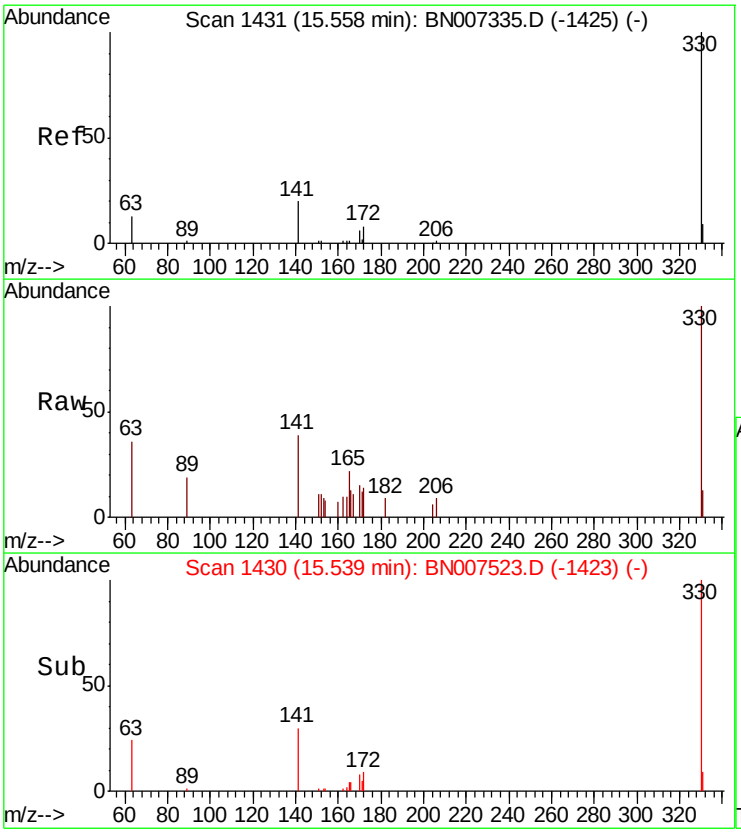
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:164 Resp: 14740

Ion	Ratio	Lower	Upper
164	100		
162	104.9	83.5	125.3
160	47.8	38.2	57.4

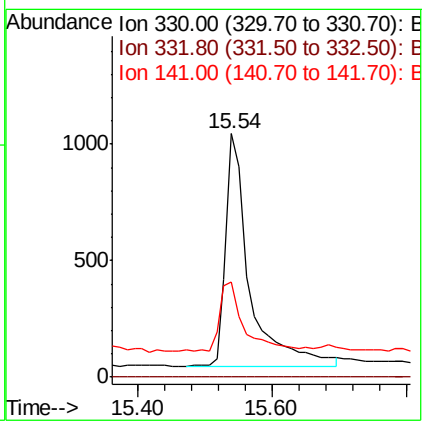


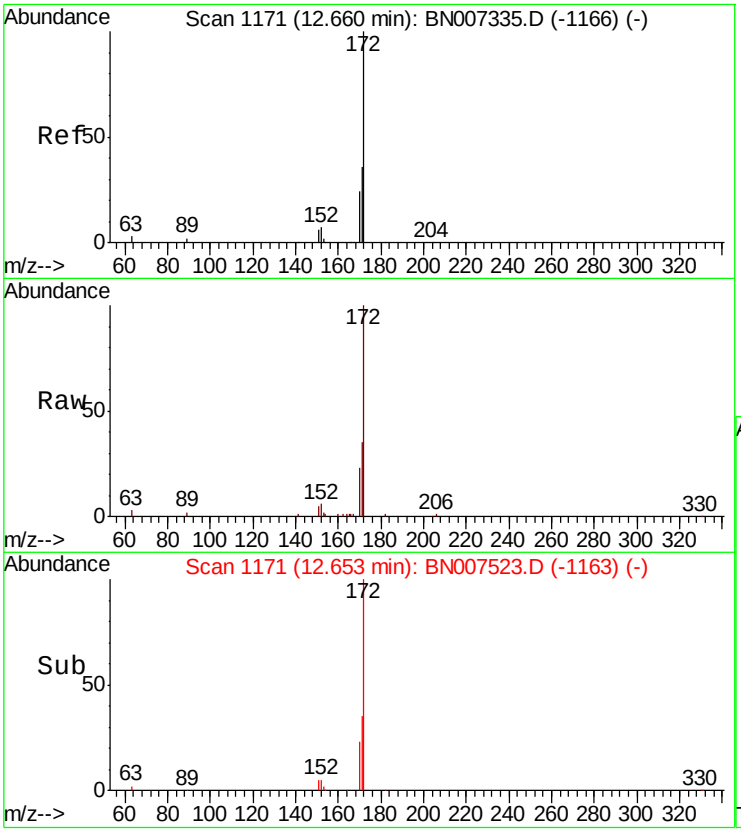


#14
2,4,6-Tribromophenol
Concen: 0.321 ng
RT: 15.54 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:330 Resp: 2476

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.1	26.9	40.3



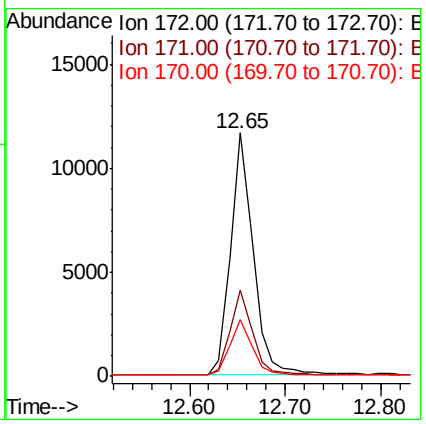


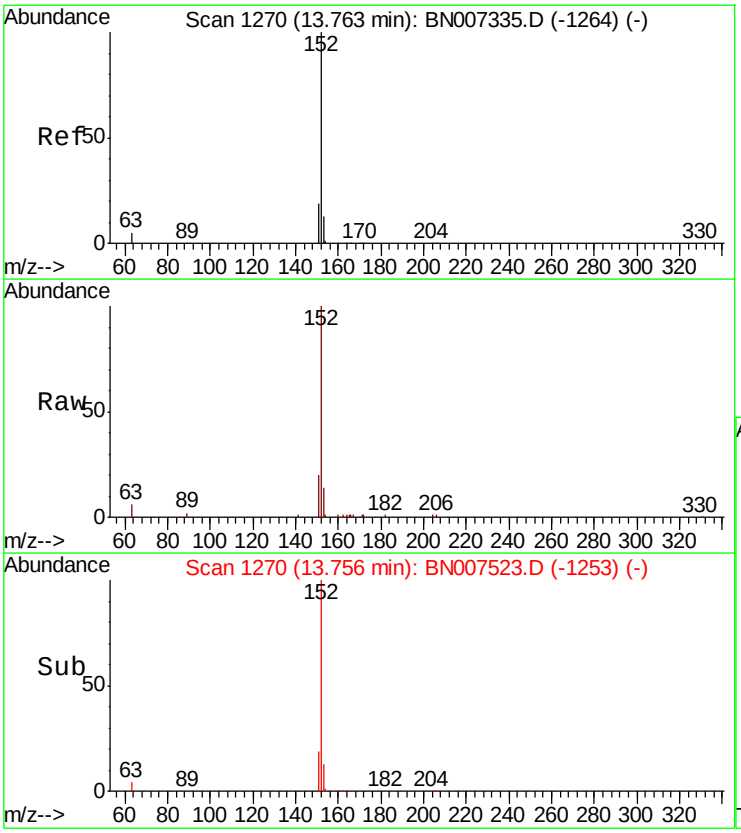
#15
2-Fluorobiphenyl
Concen: 0.328 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:172 Resp: 19504

Ion	Ratio	Lower	Upper
172	100		
171	35.3	30.3	45.5
170	23.2	20.7	31.1

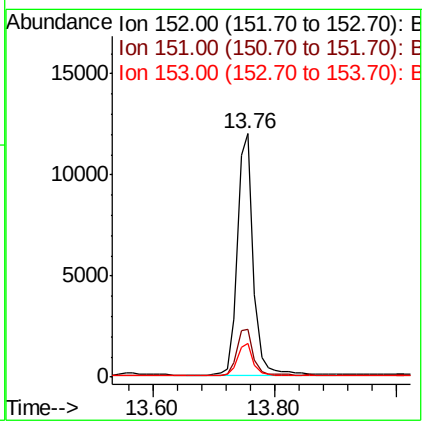


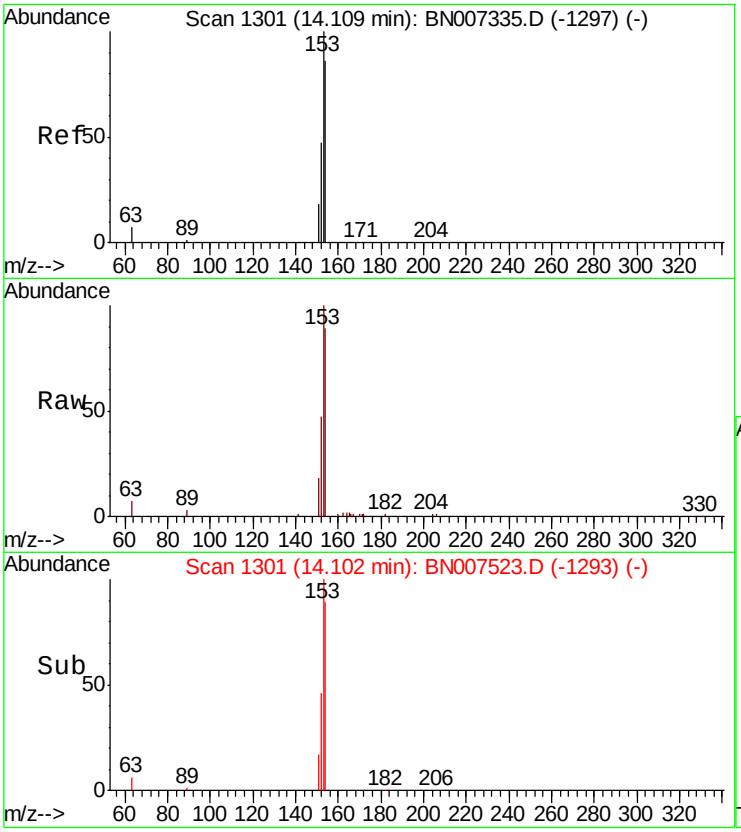


#16
Acenaphthylene
Concen: 0.247 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:152 Resp: 21554

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1
153	13.2	10.6	15.8



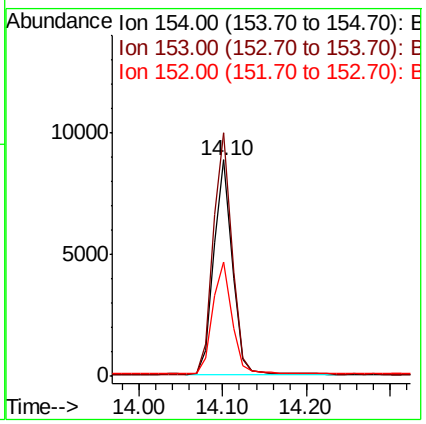


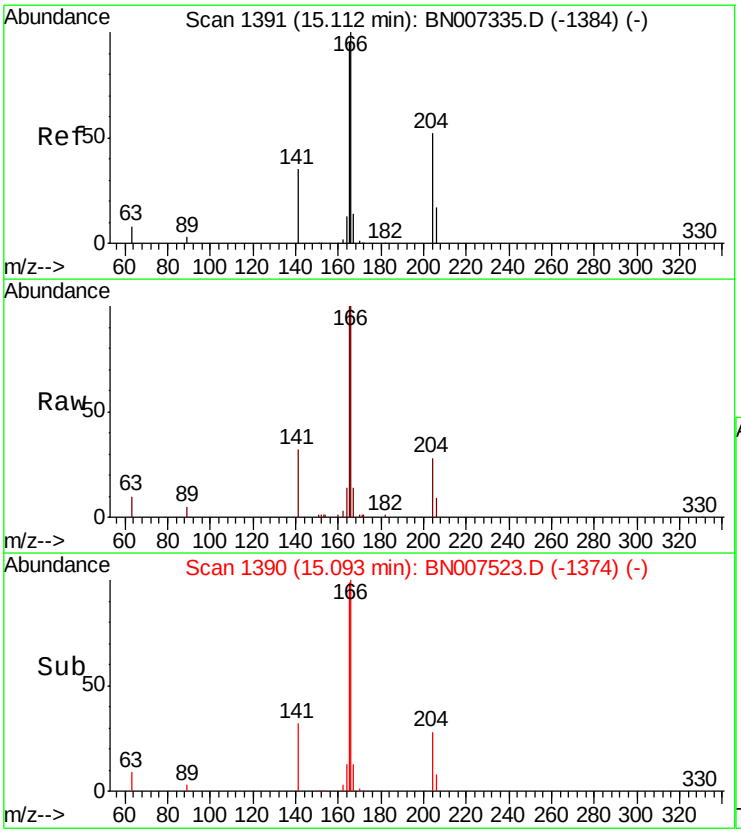
#17
Acenaphthene
Concen: 0.264 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:154 Resp: 13475

Ion	Ratio	Lower	Upper
154	100		
153	114.4	92.8	139.2
152	54.8	43.8	65.8

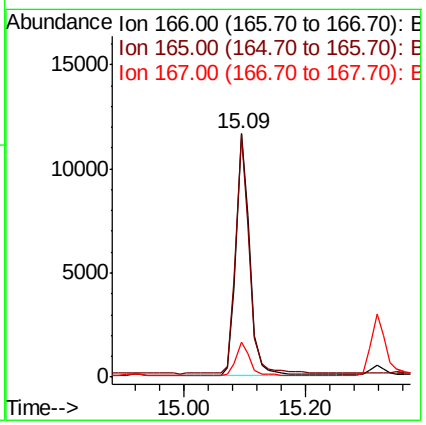


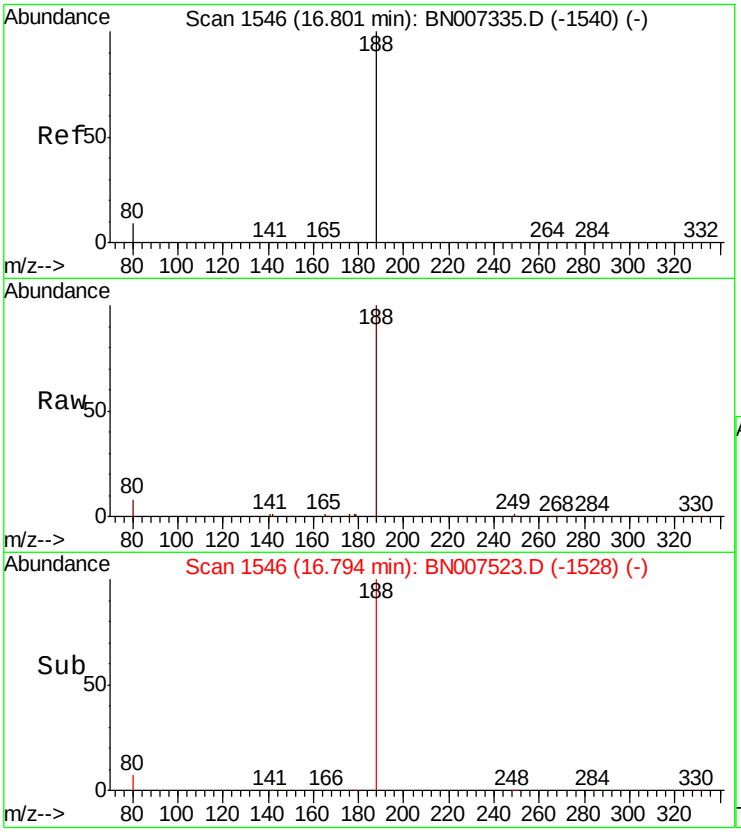


#18
Fluorene
Concen: 0.281 ng
RT: 15.09 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:166 Resp: 18152

Ion	Ratio	Lower	Upper
166	100		
165	98.1	79.0	118.4
167	13.6	10.6	15.8



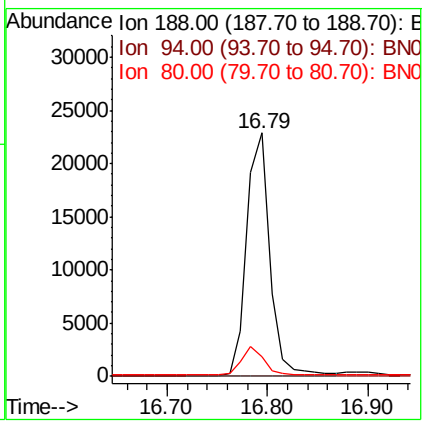


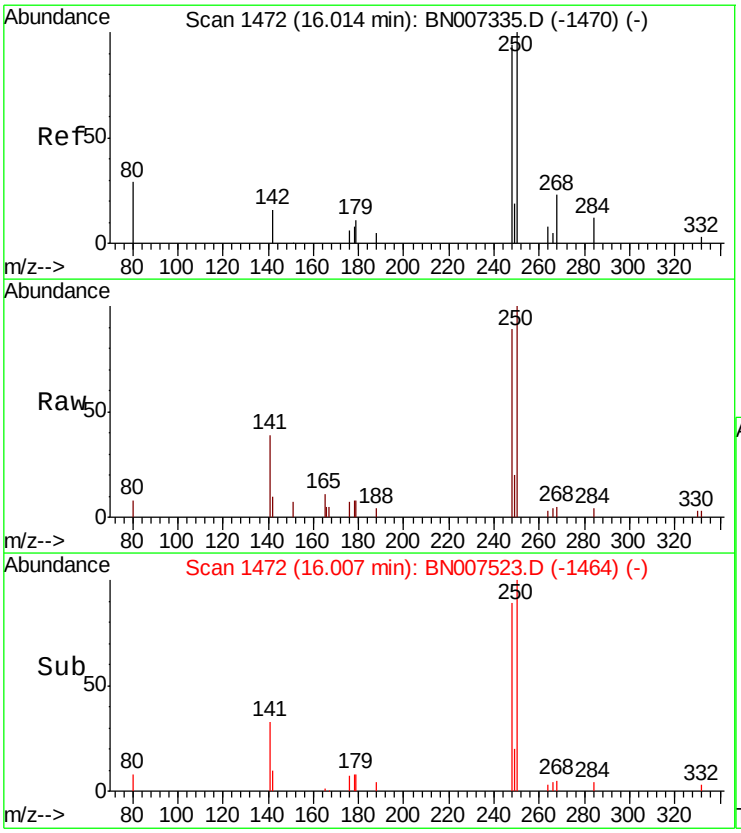
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:188 Resp: 36525

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.1	11.8	17.8#

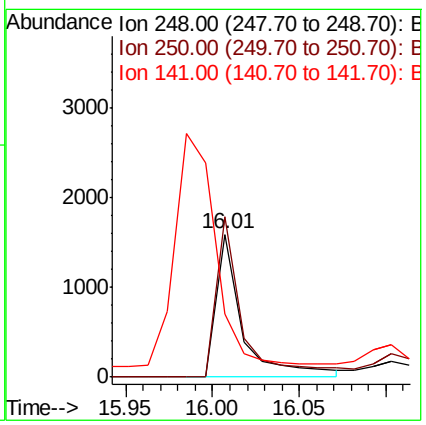


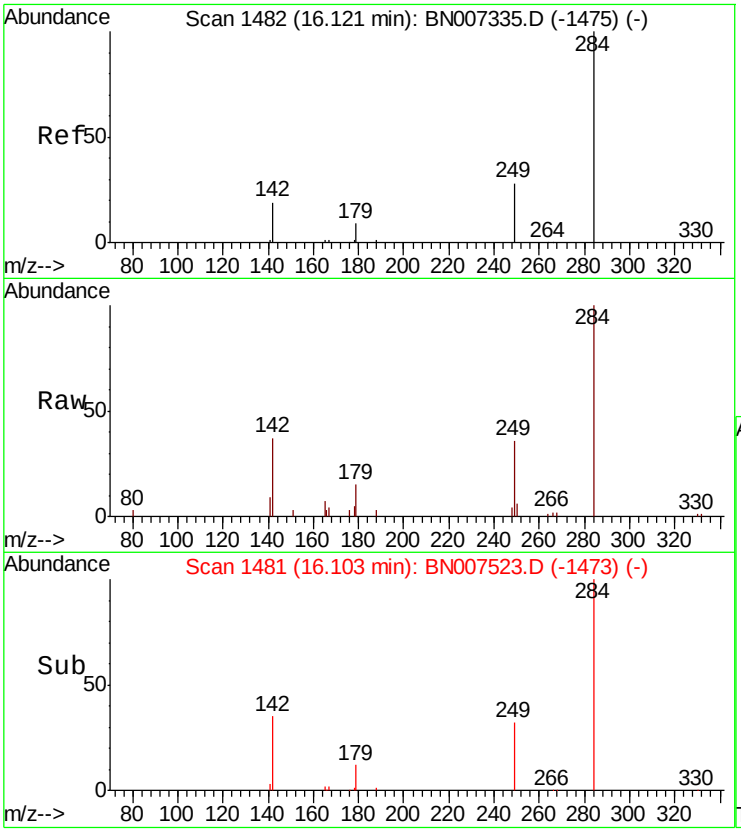


#20
4-Bromophenyl-phenylether
Concen: 0.114 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:248 Resp: 1641

Ion	Ratio	Lower	Upper
248	100		
250	112.4	85.0	127.6
141	44.0	51.7	77.5#



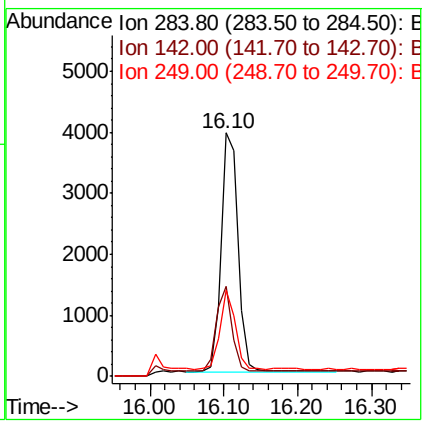


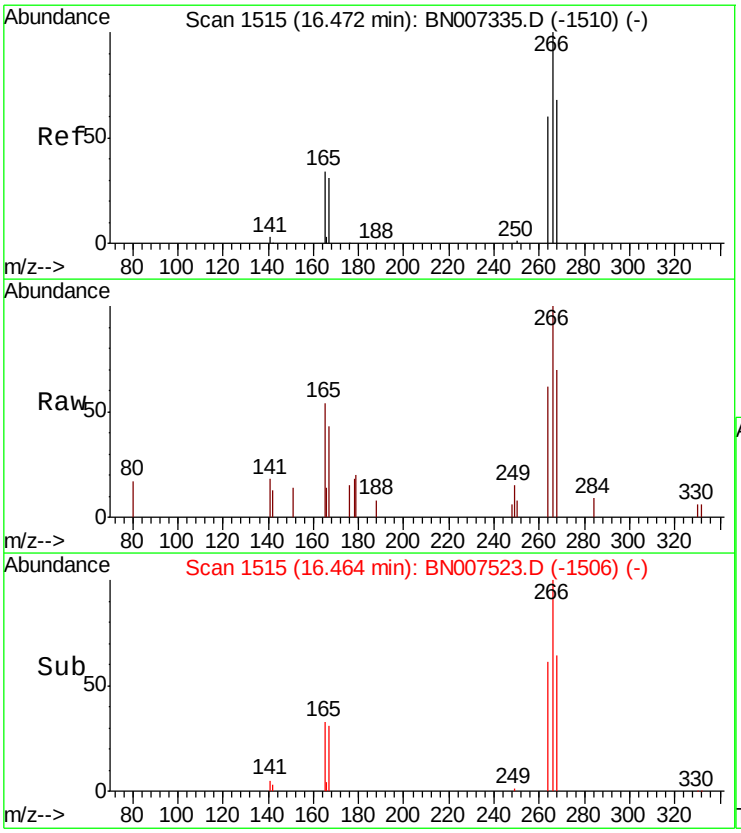
#21
Hexachlorobenzene
Concen: 0.259 ng
RT: 16.10 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:284 Resp: 6349

Ion	Ratio	Lower	Upper
284	100		
142	32.2	29.0	43.6
249	29.7	24.9	37.3

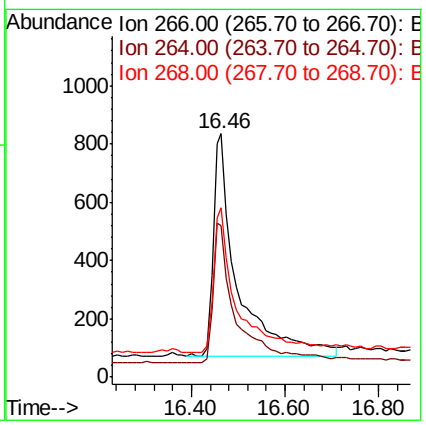


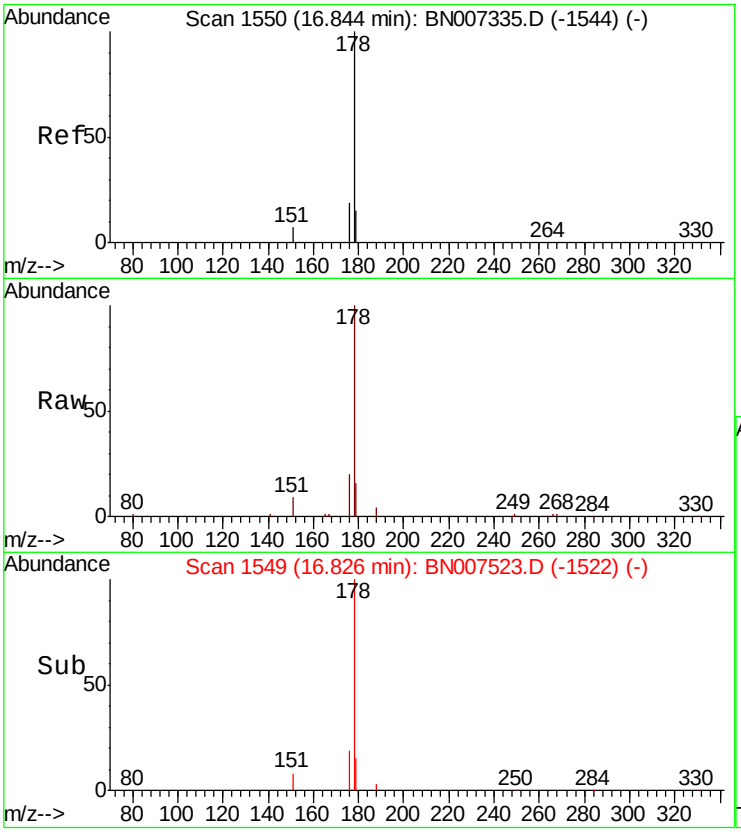


#22
Pentachlorophenol
Concen: 0.370 ng
RT: 16.46 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:266 Resp: 2811

Ion	Ratio	Lower	Upper
266	100		
264	62.0	57.8	86.8
268	69.6	99.7	149.5#



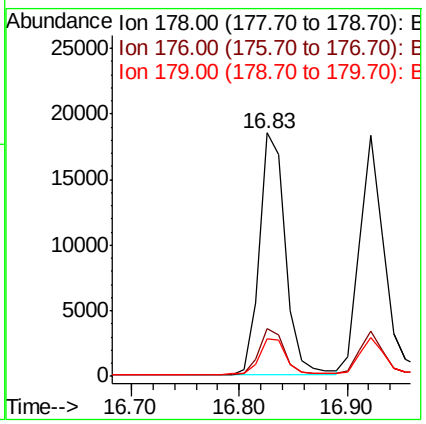


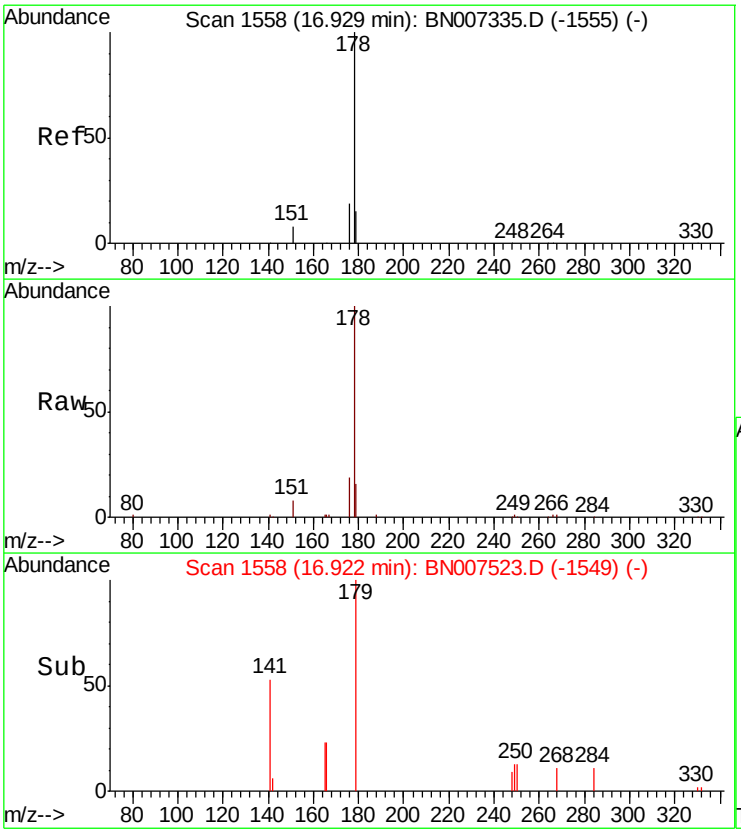
#23
Phenanthrene
Concen: 0.279 ng
RT: 16.83 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:178 Resp: 30626

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.2	12.6	19.0

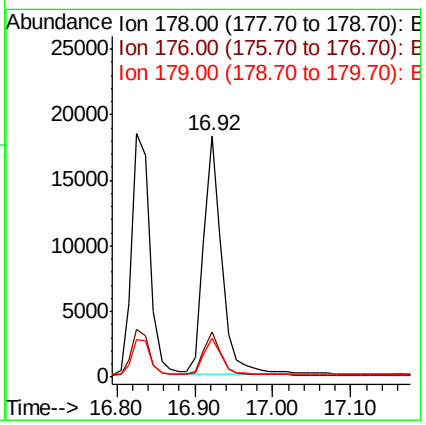


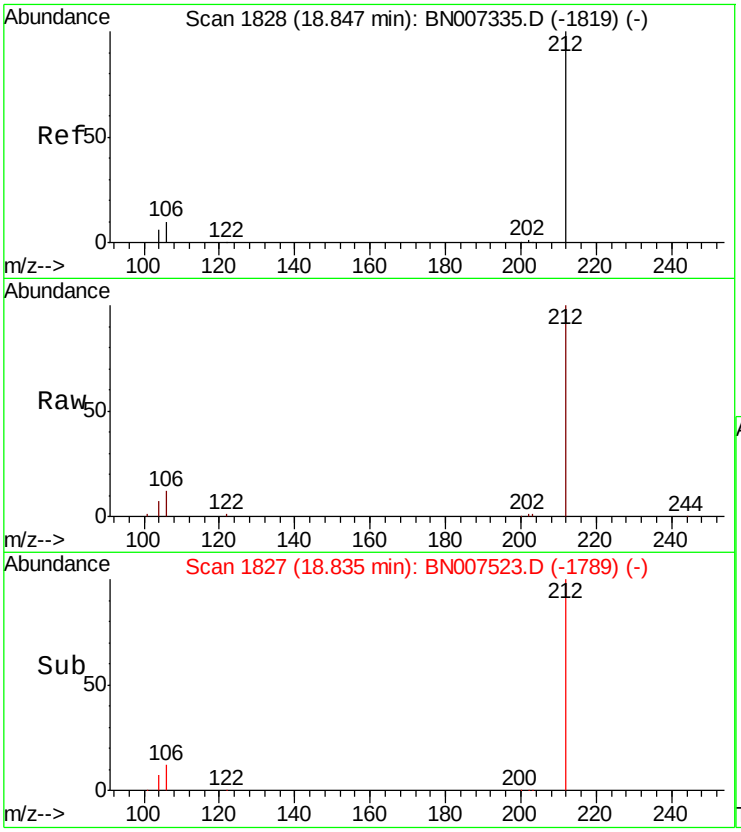


#24
Anthracene
Concen: 0.264 ng
RT: 16.92 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:178 Resp: 29159

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.9	22.3
179	15.3	12.4	18.6



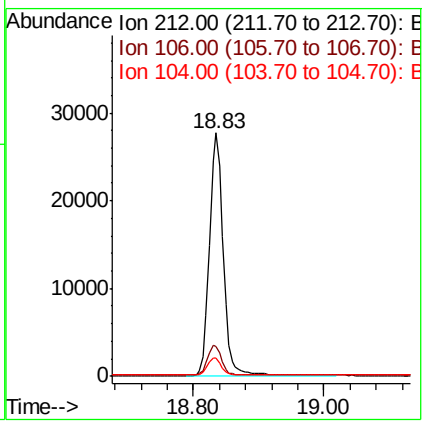


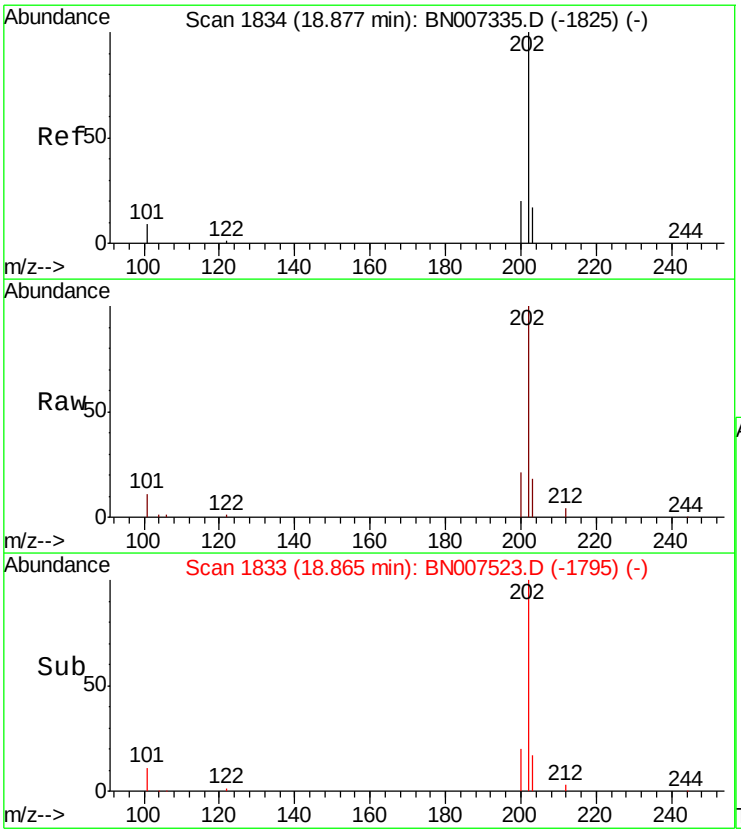
#25
Fluoranthene-d10
Concen: 0.344 ng
RT: 18.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:212 Resp: 40437

Ion	Ratio	Lower	Upper
212	100		
106	12.4	9.0	13.4
104	7.0	5.4	8.2

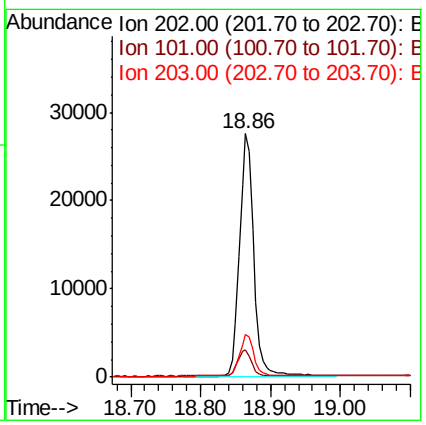


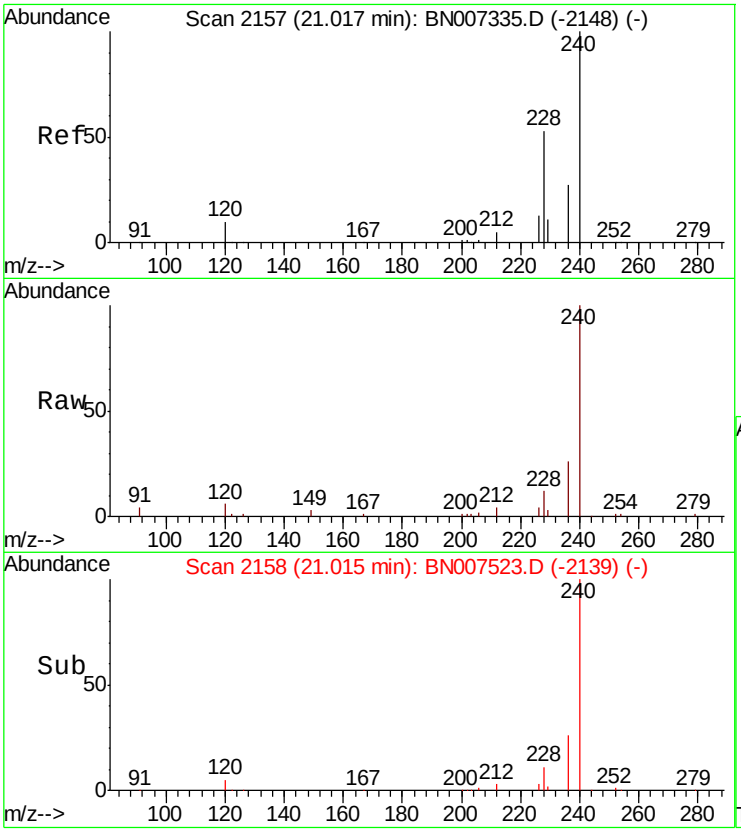


#26
Fluoranthene
Concen: 0.281 ng
RT: 18.86 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:202 Resp: 39612

Ion	Ratio	Lower	Upper
202	100		
101	10.8	7.7	11.5
203	17.0	13.7	20.5



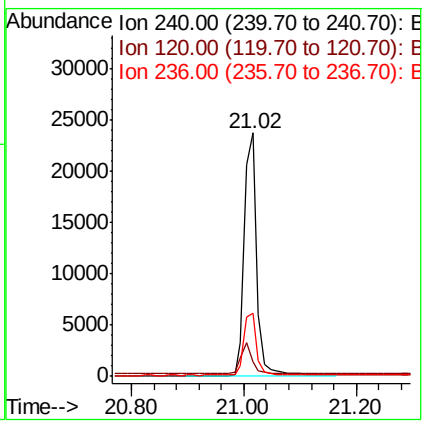


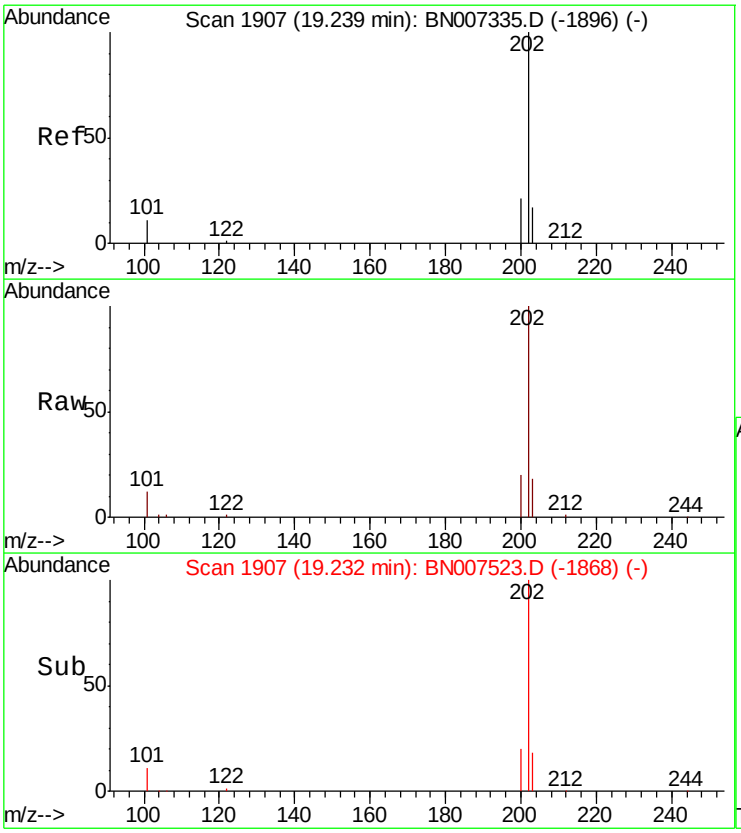
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:240 Resp: 36522

Ion	Ratio	Lower	Upper
240	100		
120	5.9	9.6	14.4#
236	25.9	22.2	33.2

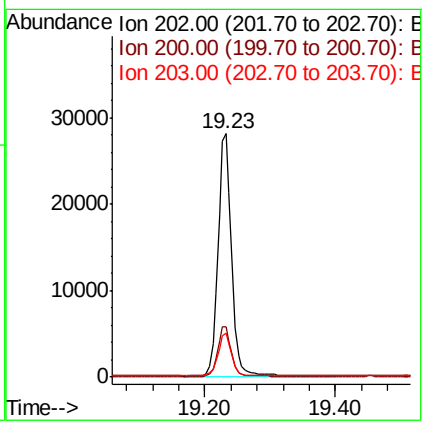


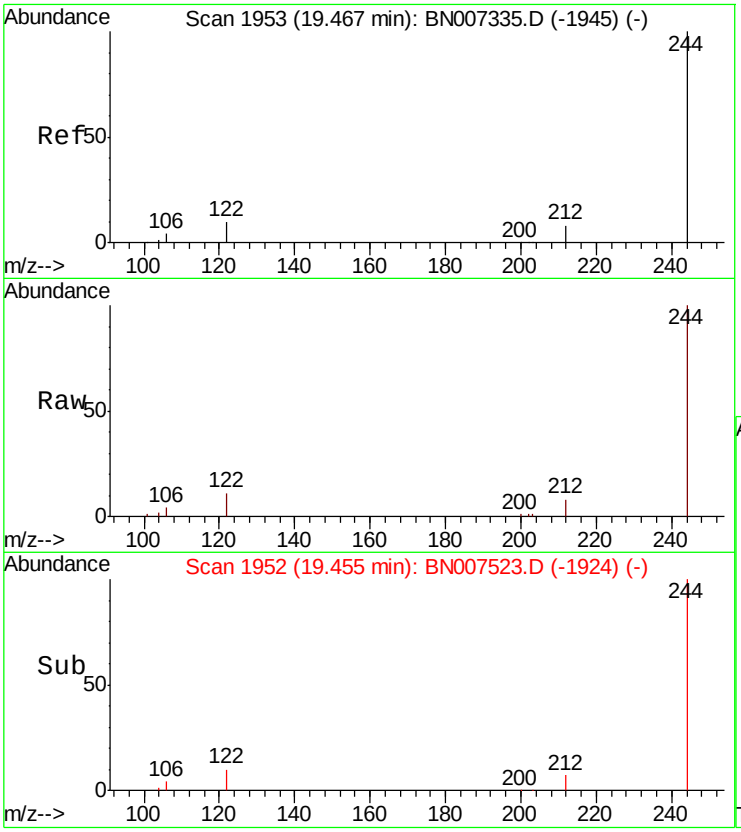


#28
Pyrene
Concen: 0.275 ng
RT: 19.23 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:202 Resp: 40407

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	25.0
203	18.0	14.2	21.4



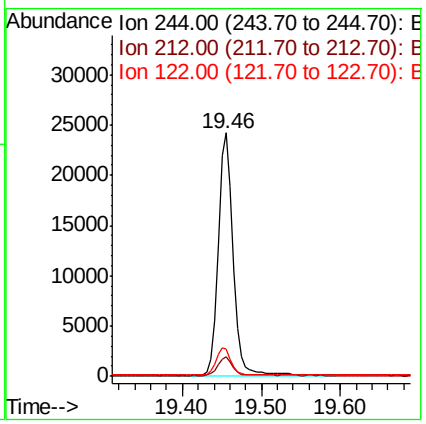


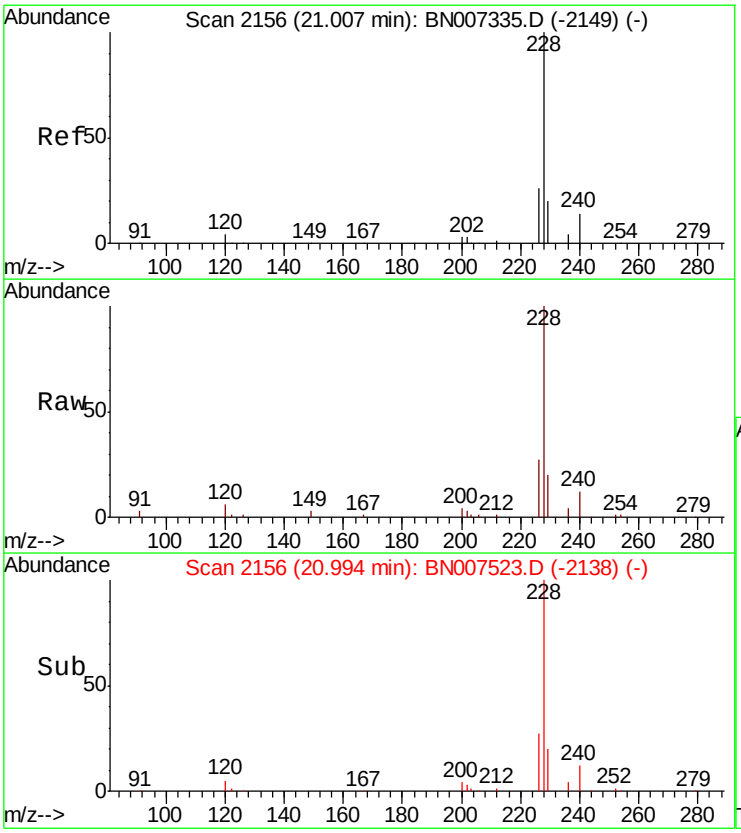
#29
Terphenyl-d14
Concen: 0.337 ng
RT: 19.46 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:244 Resp: 32213

Ion	Ratio	Lower	Upper
244	100		
212	7.8	7.0	10.6
122	11.0	9.6	14.4

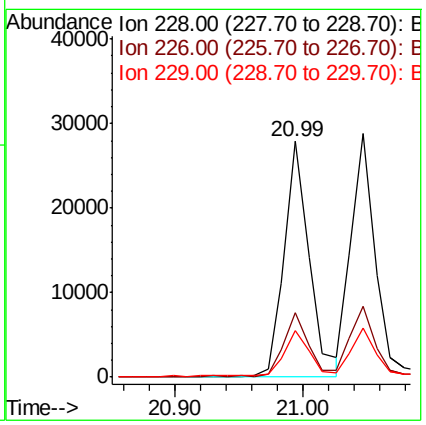


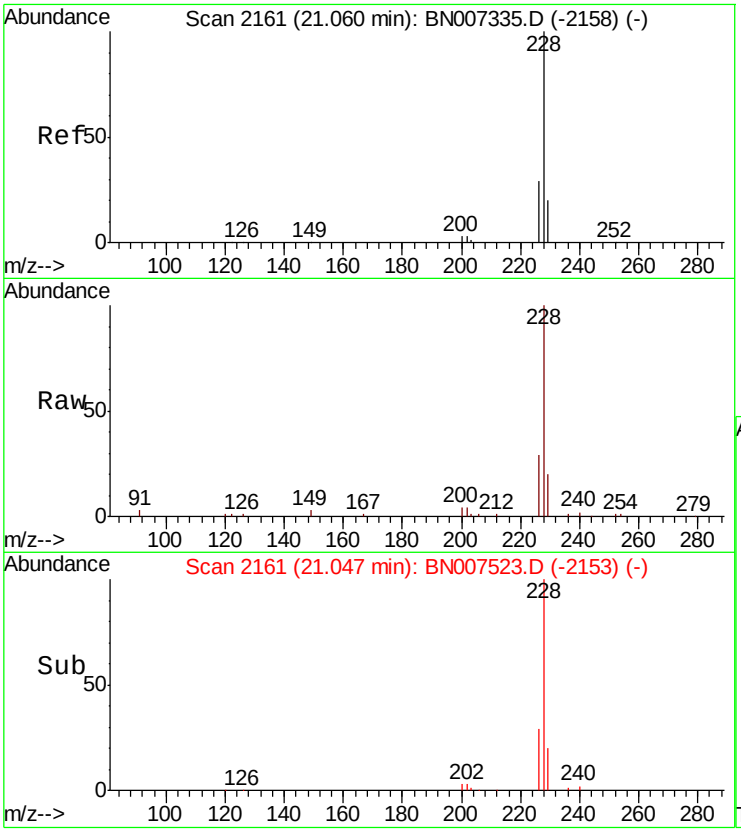


#30
Benzo(a)anthracene
Concen: 0.261 ng
RT: 20.99 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:228 Resp: 37387

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.3	31.9
229	20.0	16.1	24.1



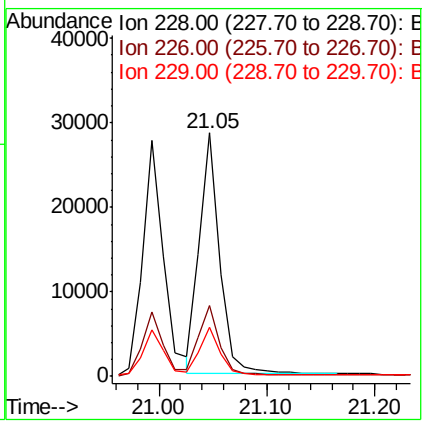


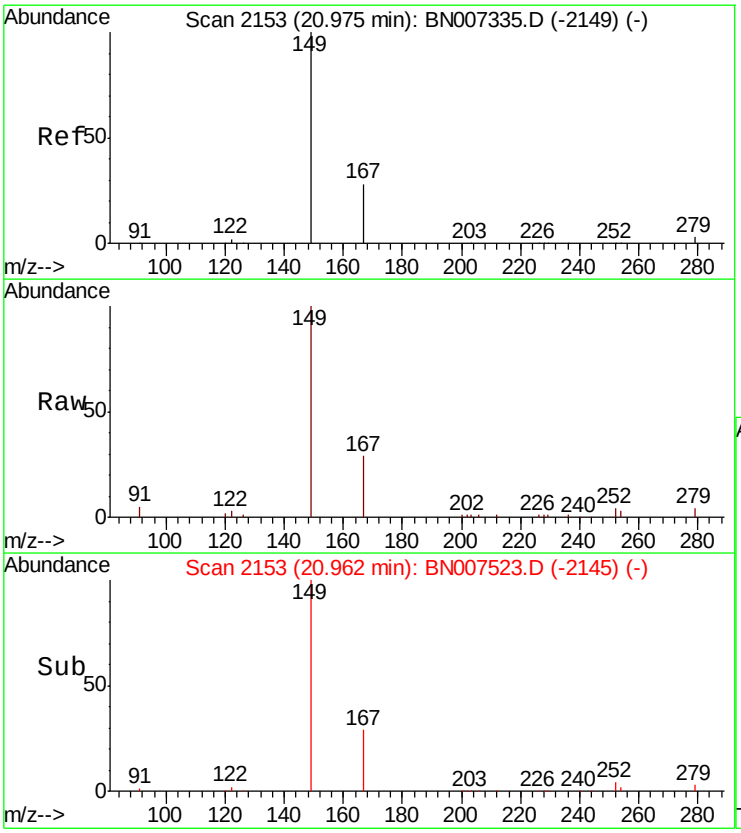
#31
Chrysene
Concen: 0.269 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:228 Resp: 37219

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.5	35.3
229	20.2	16.6	24.8

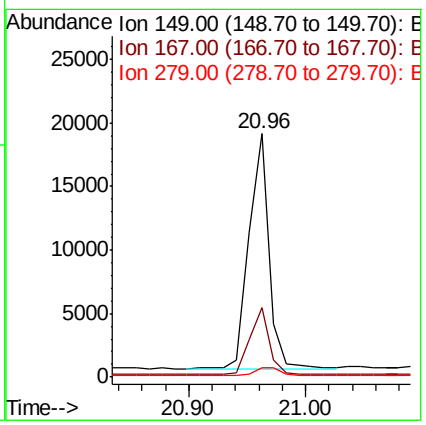


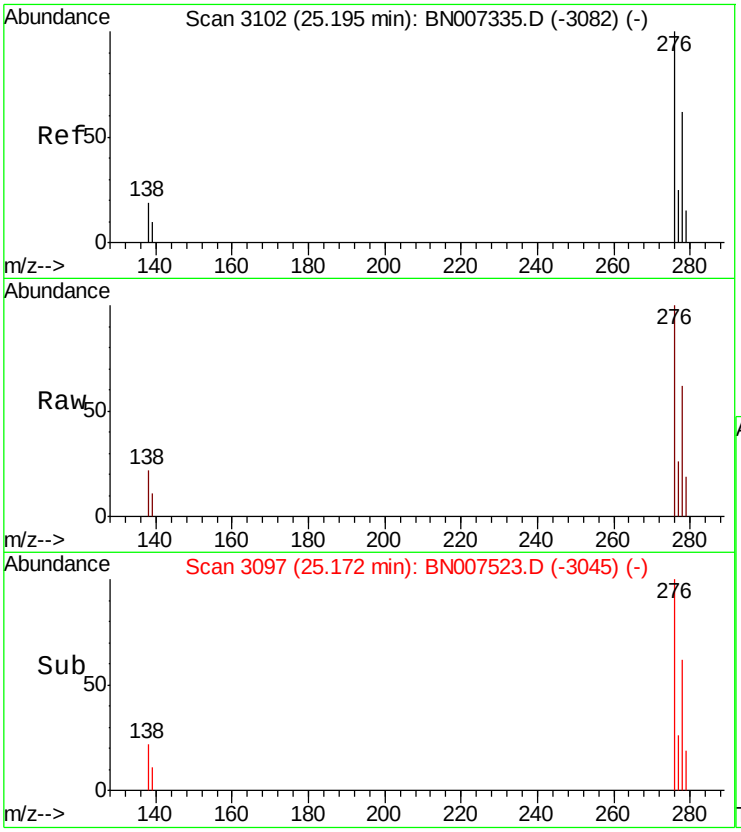


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.218 ng
RT: 20.96 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:149 Resp: 22011

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.8	34.2
279	4.4	3.5	5.3



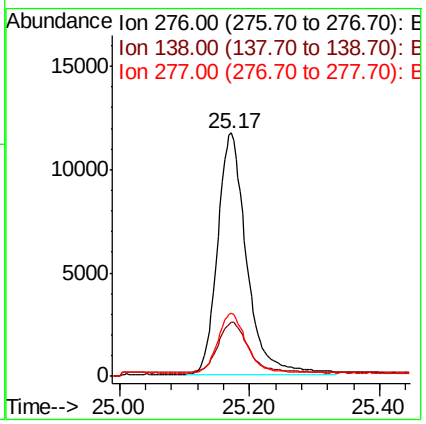


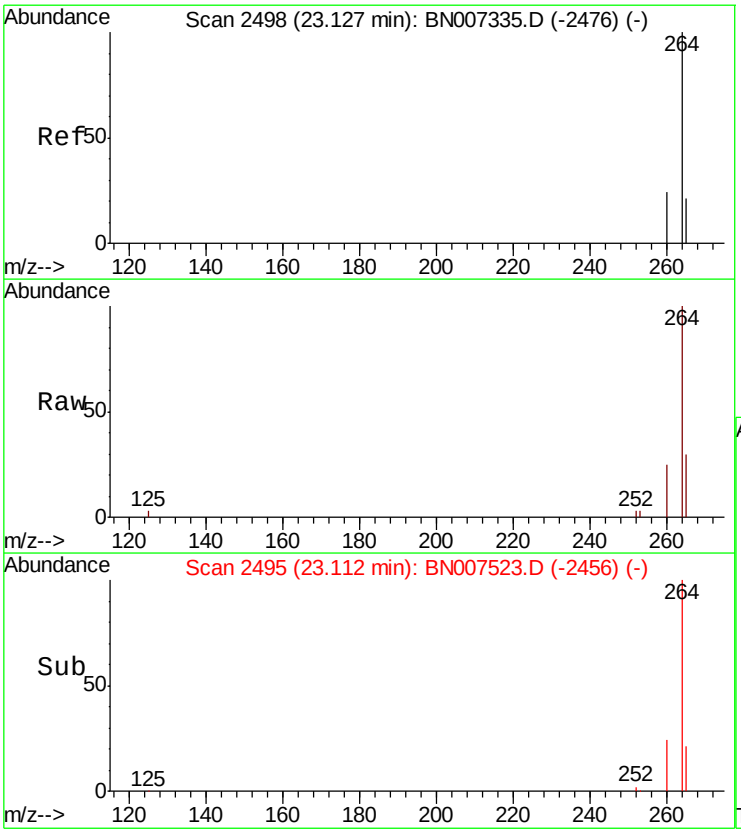
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.217 ng
RT: 25.17 min Scan# 3097
Delta R.T. -0.02 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:276 Resp: 36137

Ion	Ratio	Lower	Upper
276	100		
138	20.1	15.1	22.7
277	23.8	19.7	29.5

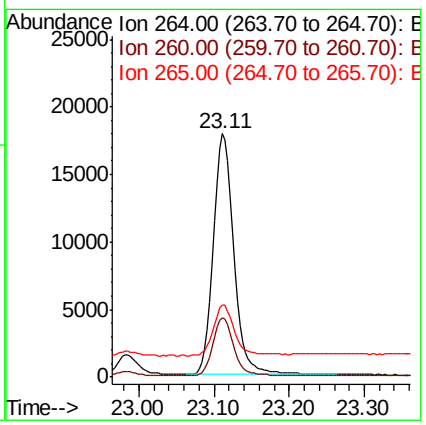


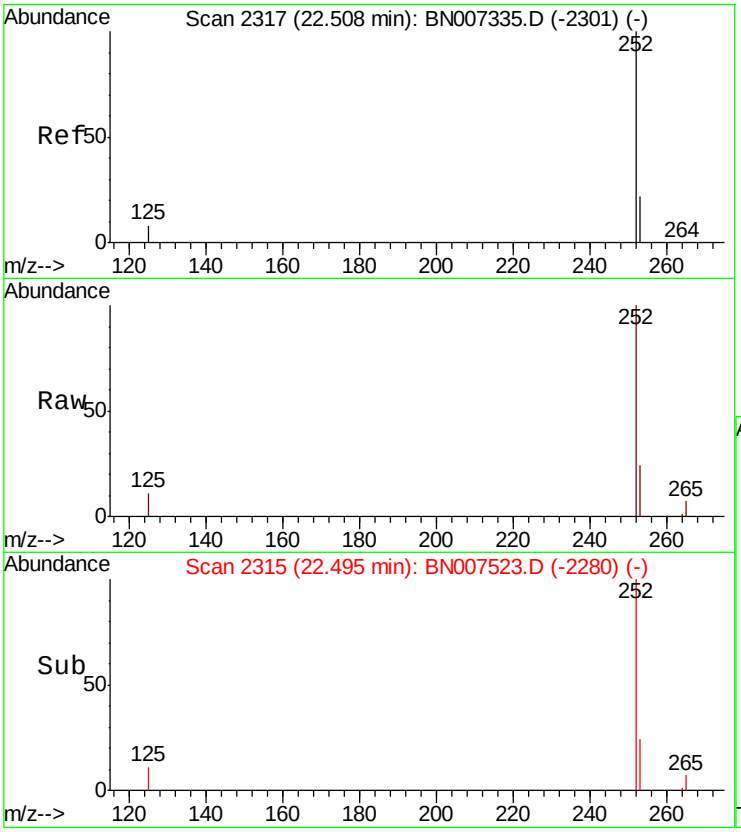


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.11 min Scan# 2495
Delta R.T. -0.02 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:264 Resp: 33924

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	29.6	29.9	44.9#



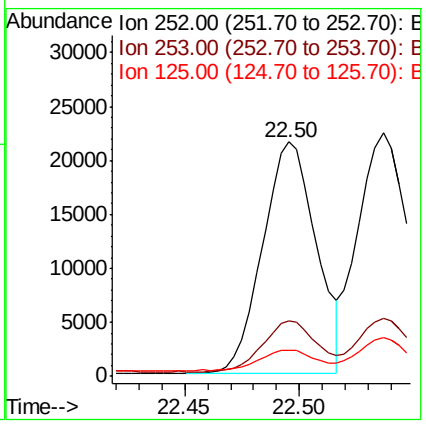


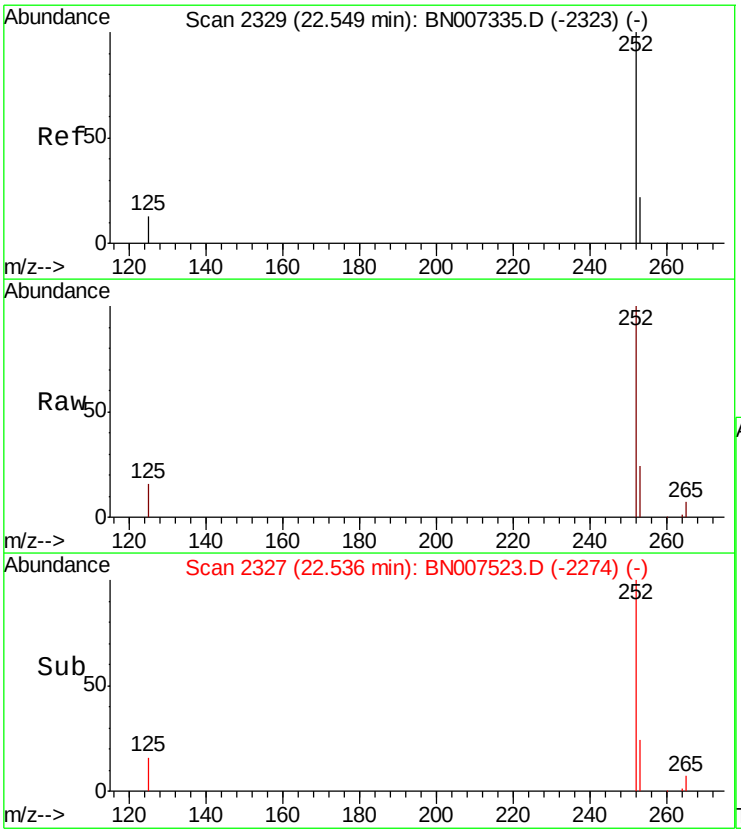
#35
Benzo(b)fluoranthene
Concen: 0.283 ng
RT: 22.50 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:252 Resp: 34805

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.2	28.8
125	11.2	10.6	16.0

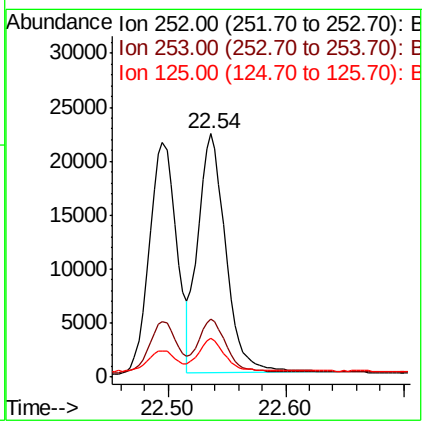


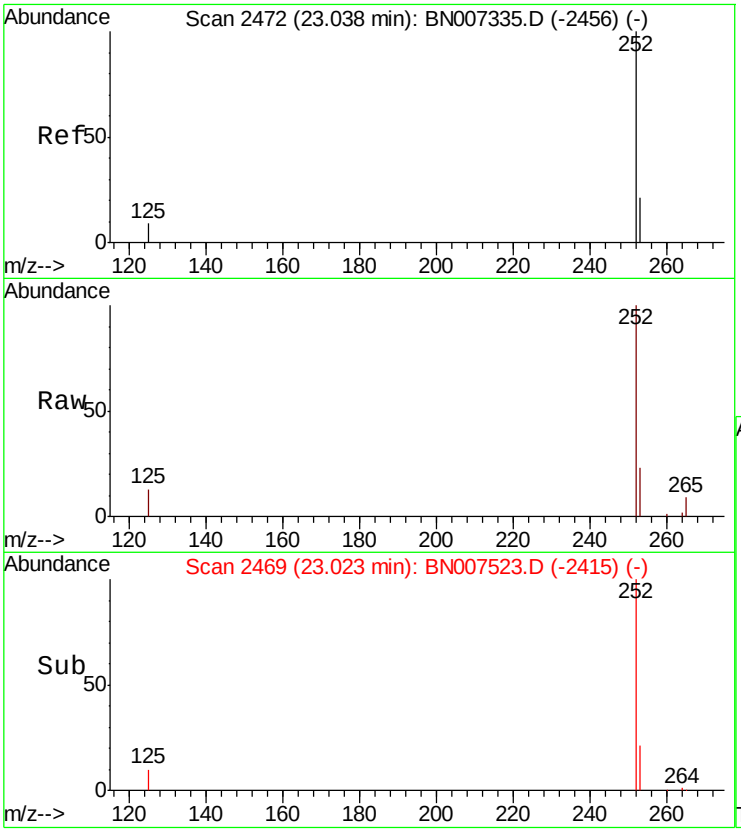


#36
Benzo(k)fluoranthene
Concen: 0.301 ng
RT: 22.54 min Scan# 2327
Delta R.T. -0.01 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:252 Resp: 36620

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.4	29.2
125	15.8	13.1	19.7



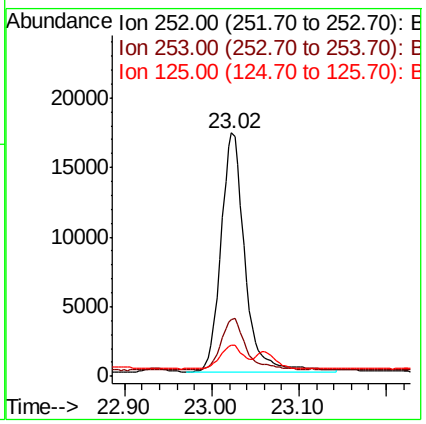


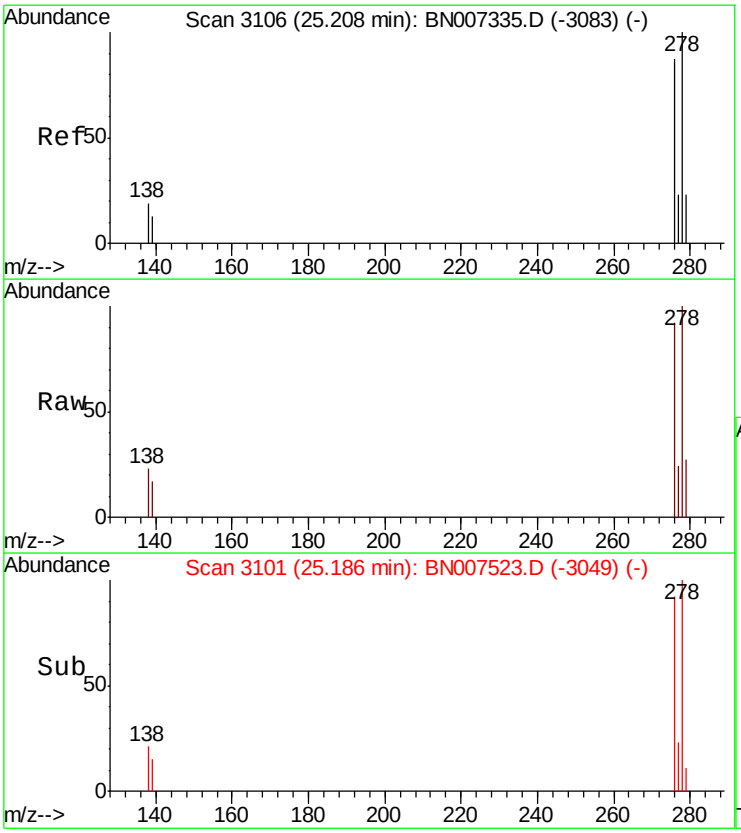
#37
Benzo(a)pyrene
Concen: 0.279 ng
RT: 23.02 min Scan# 2469
Delta R.T. -0.02 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:252 Resp: 32661

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.5	29.3
125	12.8	12.1	18.1

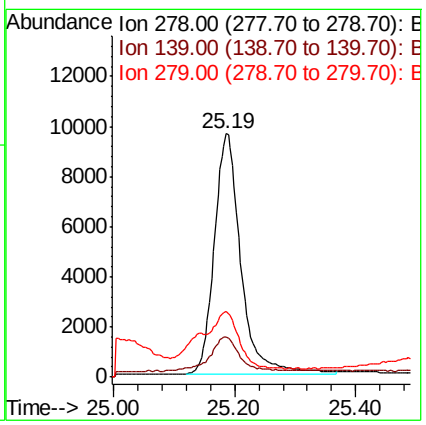


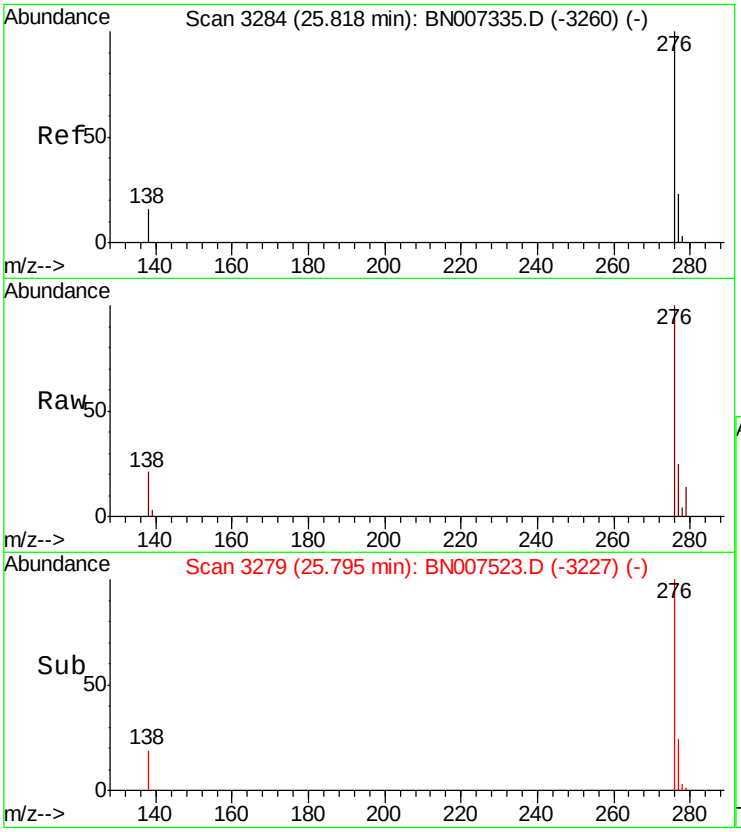


#38
Dibenzo(a,h)anthracene
Concen: 0.250 ng
RT: 25.19 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Tgt Ion:278 Resp: 29218

Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.7	20.5
279	27.1	20.2	30.4





#39
Benzo(g,h,i)perylene
Concen: 0.262 ng
RT: 25.80 min Scan# 3279
Delta R.T. -0.02 min
Lab File: BN007523.D
Acq: 30 Aug 2019 14:50

Instrument :
BNA_N
ClientSampleId :
PB122692BSD

Tgt Ion:276 Resp: 30452

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.6	29.4
138	21.1	16.3	24.5