Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082919\

Quantitation Report (QT Reviewed)

Data File : BN007512.D
Acq On : 29 Aug 2019 21:06
Operator : HP/JU
Sample : PB122289BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB122289BS

Quant Time: Aug 30 02:00:42 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	4780	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	21083	0.40	ng		-0.01
13) Acenaphthene-d10	14.05	164	13551	0.40	ng		0.00
19) Phenanthrene-d10	16.79	188	36266	0.40	ng		0.00
27) Chrysene-d12	21.02	240	38784	0.40	ng		0.00
34) Perylene-d12	23.12	264	34852	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.03	112	5628	0.33	ng		0.00
5) Phenol-d6	6.59	99	8009	0.38	ng		0.00
8) Nitrobenzene-d5	8.53	82	5901	0.32	ng		0.00
11) 2-Methylnaphthalene-d10	11.75	152	14029	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	2546	0.36	ng		0.00
15) 2-Fluorobiphenyl	12.66	172	17358	0.32	ng		0.00
25) Fluoranthene-d10	18.84	212	42732	0.37	ng		0.00
29) Terphenyl-d14	19.46	244	33127	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.00	88	1926	0.243	ng	#	84
3) n-Nitrosodimethylamine	3.32	42	841	0.228	ng	#	57
6) bis(2-Chloroethyl)ether	6.83	93	5439	0.315	ng		97
9) Naphthalene	10.20	128	19626	0.326	ng	#	90
10) Hexachlorobutadiene	10.51	225	3304	0.268	ng	#	100
12) 2-Methylnaphthalene	11.83	142	13916	0.339	ng		95
16) Acenaphthylene	13.76	152	23559	0.294	ng		99
17) Acenaphthene	14.10	154	14806	0.316	ng		98
18) Fluorene	15.10	166	19741	0.333	ng		99
20) 4-Bromophenyl-phenylether	16.01	248	3611	0.252	ng		95
21) Hexachlorobenzene	16.11	284	7675	0.316	ng		95
22) Pentachlorophenol	16.46	266	2401	0.318	ng	#	65
23) Phenanthrene	16.84	178	35802	0.328	ng		99
24) Anthracene	16.93	178	33802	0.308	ng		99
26) Fluoranthene	18.87	202	48931	0.349	ng		99
28) Pyrene	19.23	202	49943	0.320	ng		99
30) Benzo(a)anthracene	20.99	228	46107	0.303	ng		98
31) Chrysene	21.05	228	46704	0.318	ng		98
32) Bis(2-ethylhexyl)phthalate	20.96	149	27172	0.257	ng		100
33) Indeno(1,2,3-cd)pyrene	25.19	276	40861	0.231	ng		97
35) Benzo(b)fluoranthene	22.50	252	41393	0.328	ng		96
36) Benzo(k)fluoranthene	22.54	252	43495	0.349	ng		97
37) Benzo(a)pyrene	23.03	252	38999	0.325	ng		97
38) Dibenzo(a,h)anthracene	25.21	278	32735	0.273	ng		99
39) Benzo(g,h,i)perylene	25.81	276	34282	0.287	ng		100

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

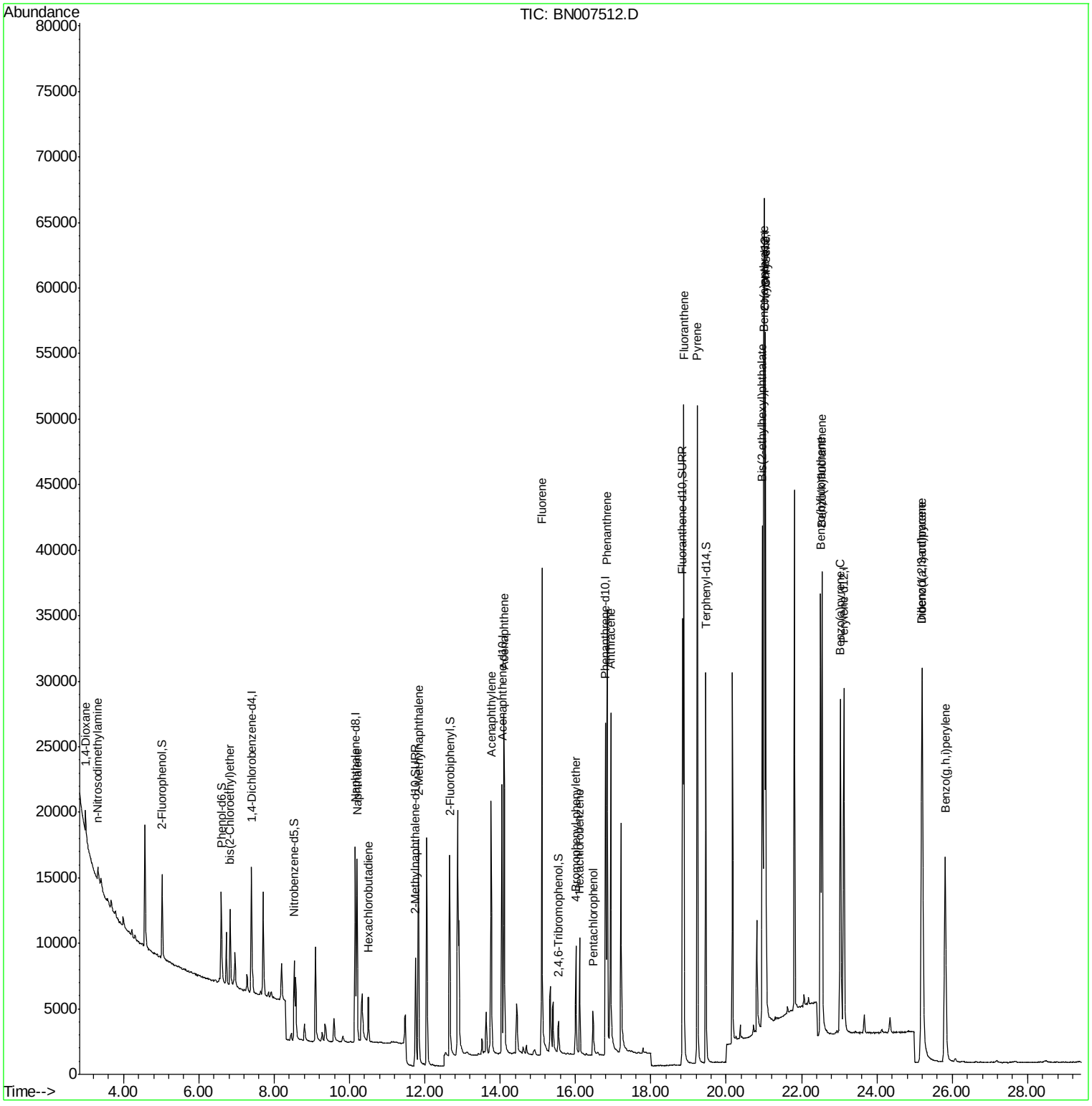
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082919\

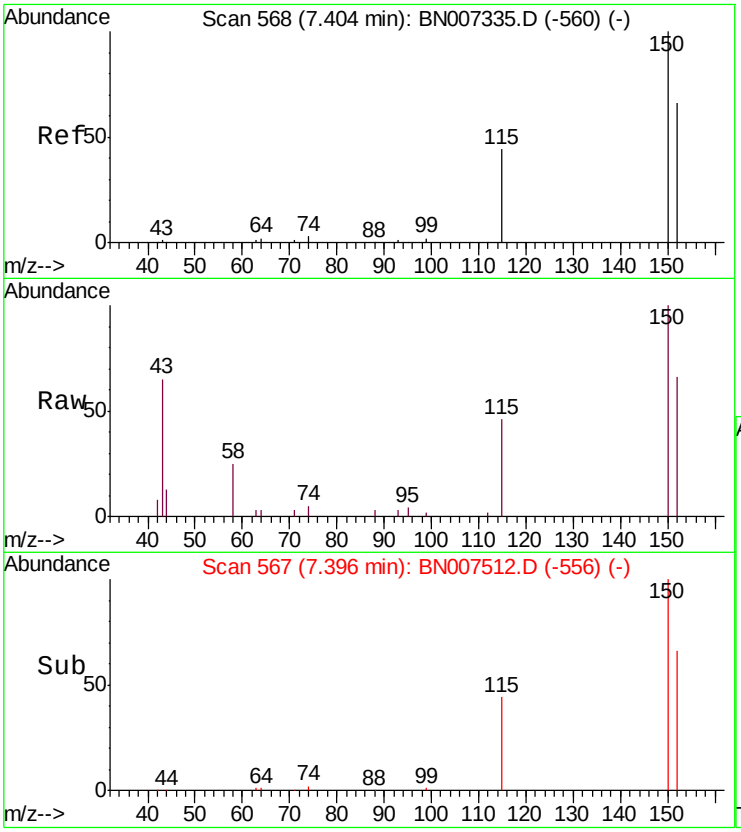
Quantitation Report (QT Reviewed)

Data File : BN007512.D
Acq On : 29 Aug 2019 21:06
Operator : HP/JU
Sample : PB122289BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB122289BS

Quant Time: Aug 30 02:00:42 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



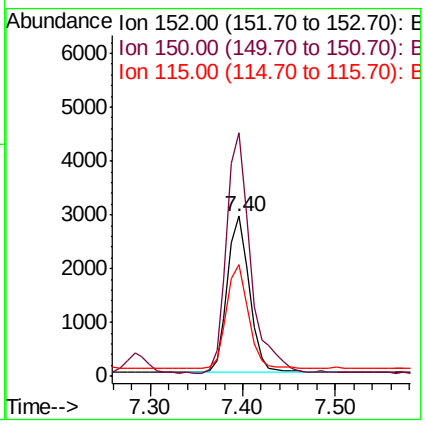


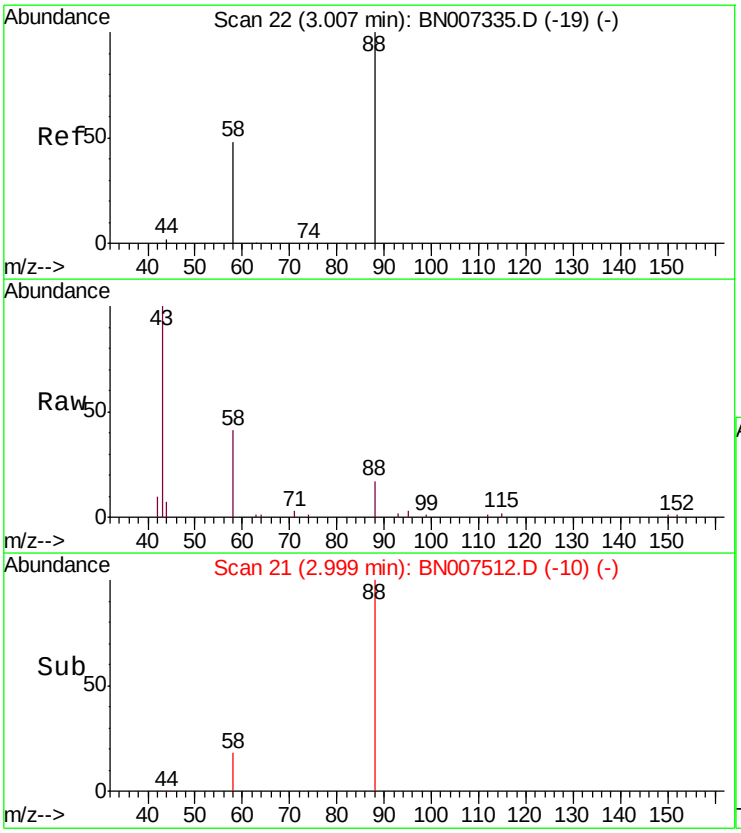
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:152 Resp: 4780

Ion	Ratio	Lower	Upper
152	100		
150	152.1	109.1	163.7
115	69.8	59.6	89.4

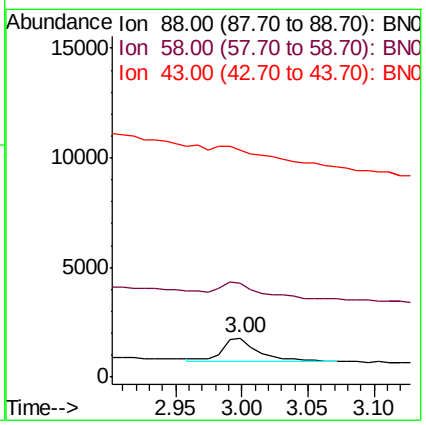


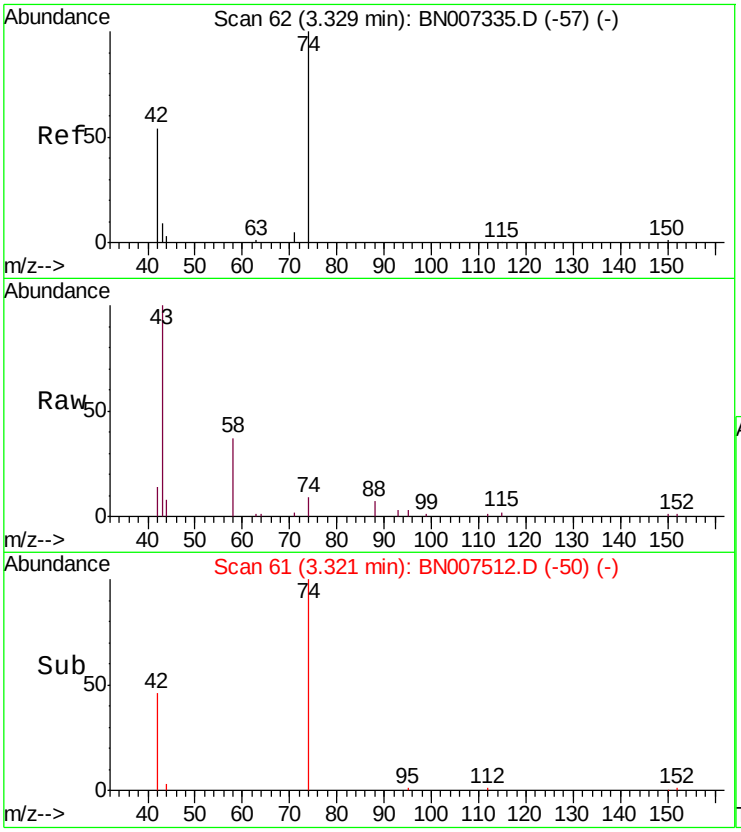


#2
1,4-Dioxane
Concen: 0.243 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion: 88 Resp: 1926

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



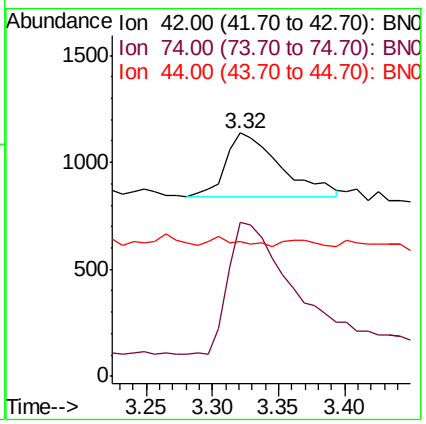


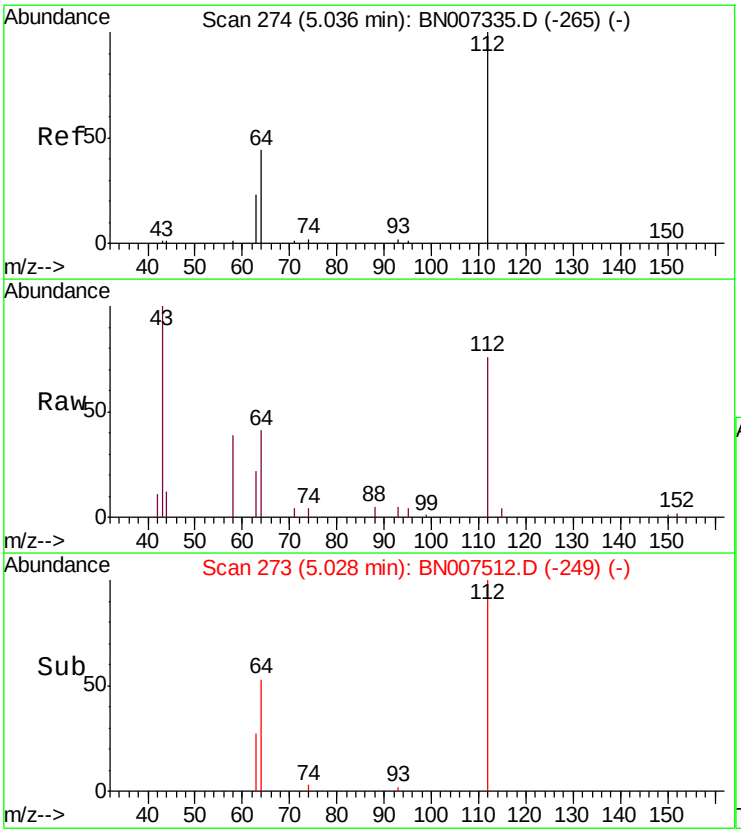
#3
n-Nitrosodimethylamine
Concen: 0.228 ng
RT: 3.32 min Scan# 61
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion: 42 Resp: 841

Ion	Ratio	Lower	Upper
42	100		
74	243.3	144.7	217.1#
44	7.4	3.2	4.8#

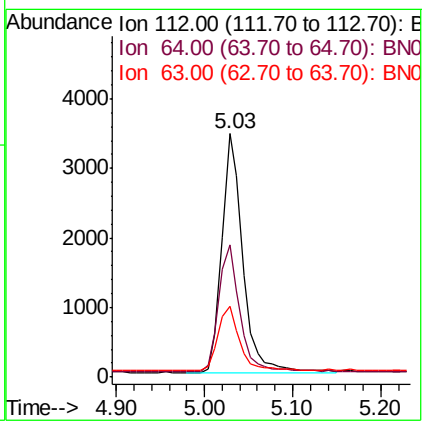


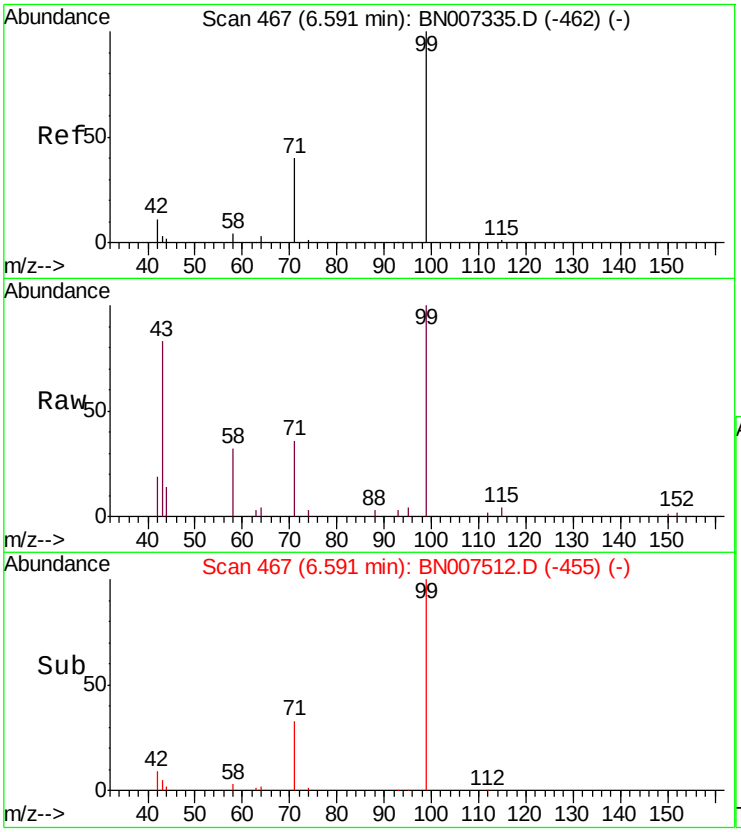


#4
2-Fluorophenol
Concen: 0.335 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:112 Resp: 5628

Ion	Ratio	Lower	Upper
112	100		
64	54.5	42.3	63.5
63	27.2	23.6	35.4



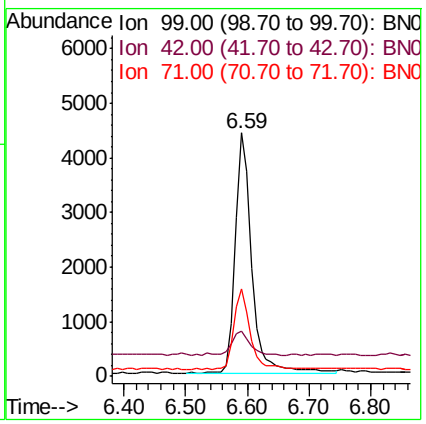


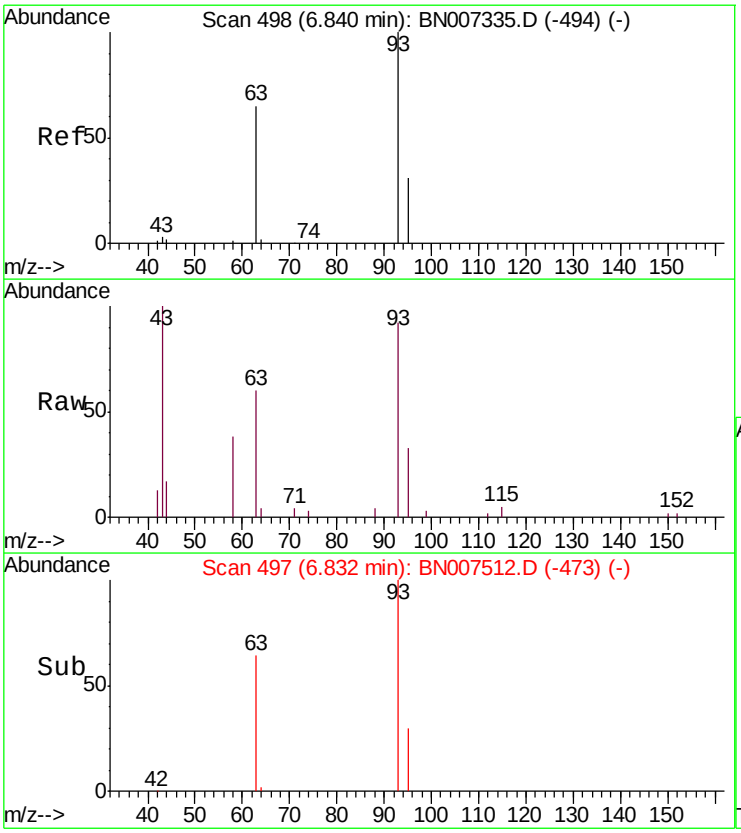
#5
Phenol-d6
Concen: 0.378 ng
RT: 6.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion: 99 Resp: 8009

Ion	Ratio	Lower	Upper
99	100		
42	10.7	11.2	16.8#
71	32.2	31.8	47.8

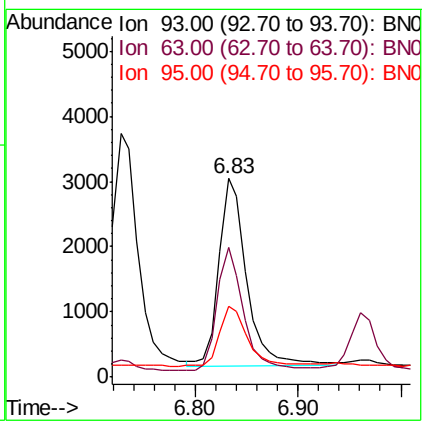


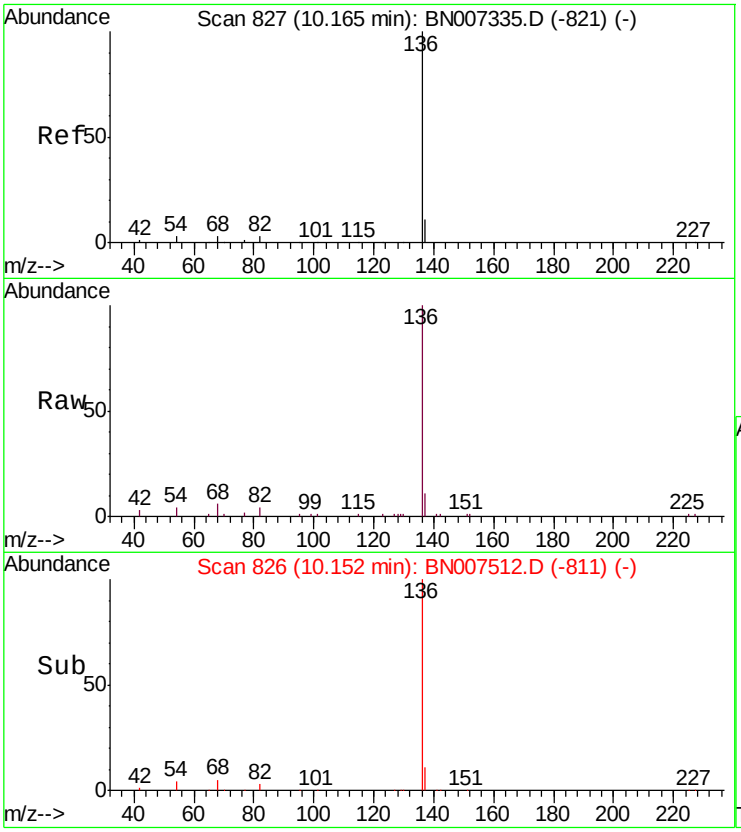


#6
bis(2-Chloroethyl)ether
Concen: 0.315 ng
RT: 6.83 min Scan# 497
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion: 93 Resp: 5439

Ion	Ratio	Lower	Upper
93	100		
63	62.9	51.9	77.9
95	31.9	27.7	41.5



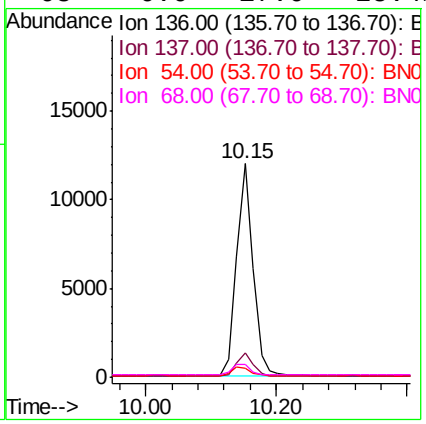


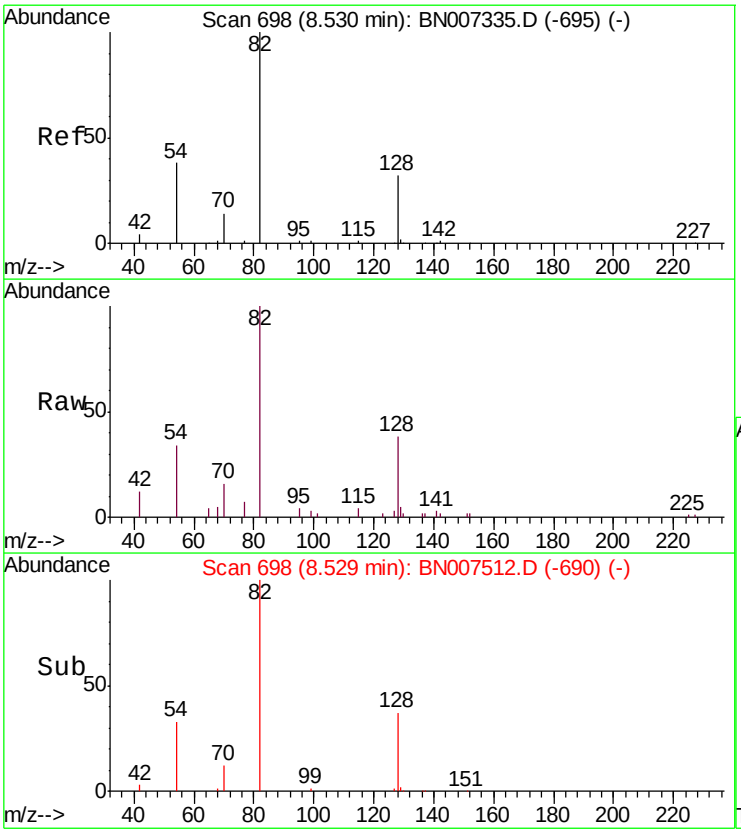
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:136 Resp: 21083

Ion	Ratio	Lower	Upper
136	100		
137	11.3	12.9	19.3#
54	4.3	8.6	12.8#
68	6.0	17.0	25.4#

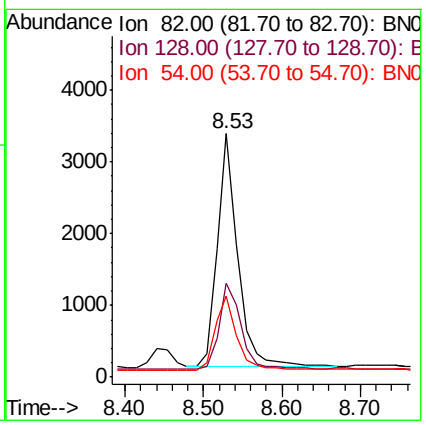


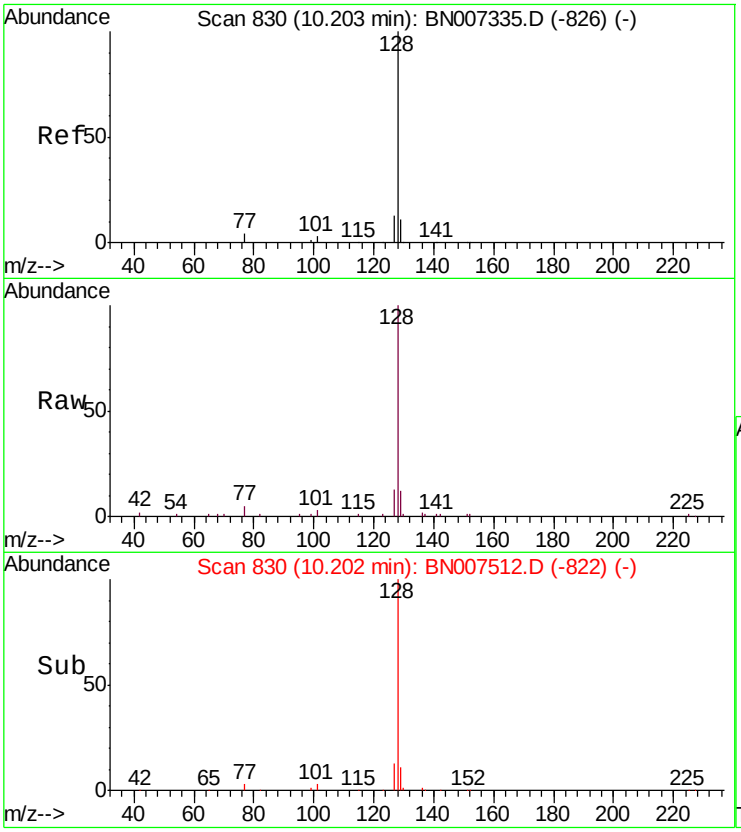


#8
Nitrobenzene-d5
Concen: 0.322 ng
RT: 8.53 min Scan# 698
Delta R.T. 0.00 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion: 82 Resp: 5901

Ion	Ratio	Lower	Upper
82	100		
128	38.4	19.7	29.5#
54	33.5	25.8	38.6



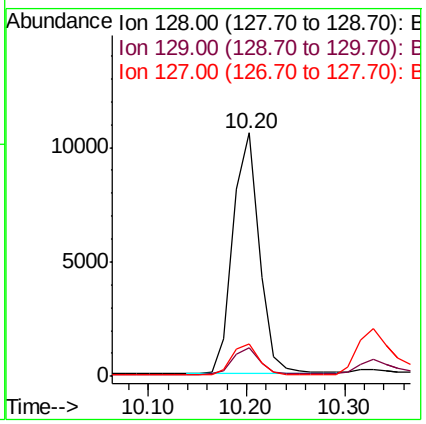


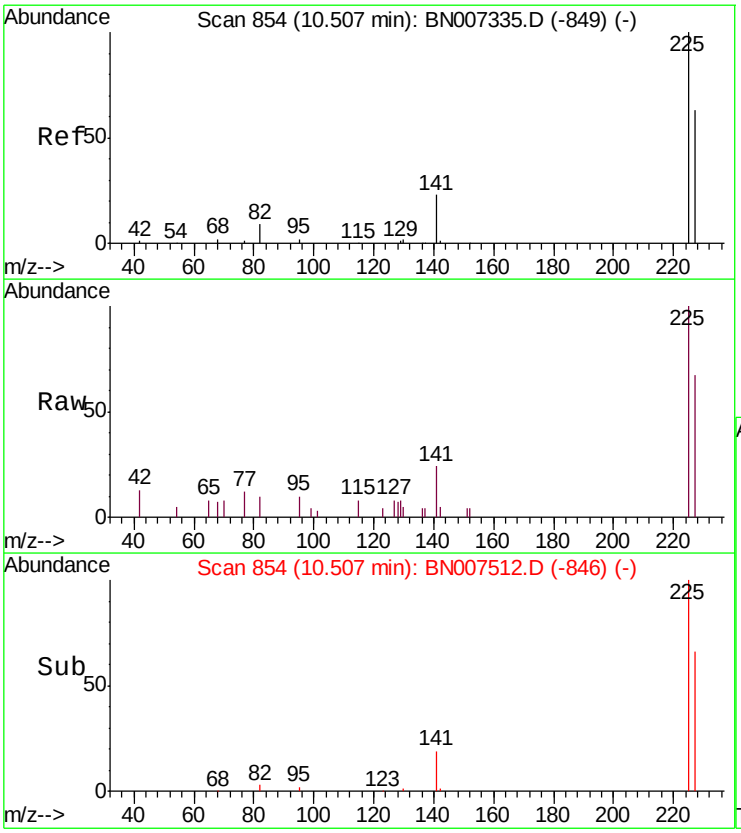
#9
Naphthalene
Concen: 0.326 ng
RT: 10.20 min Scan# 830
Delta R.T. -0.00 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:128 Resp: 19626

Ion	Ratio	Lower	Upper
128	100		
129	11.7	11.1	16.7
127	13.4	15.5	23.3#

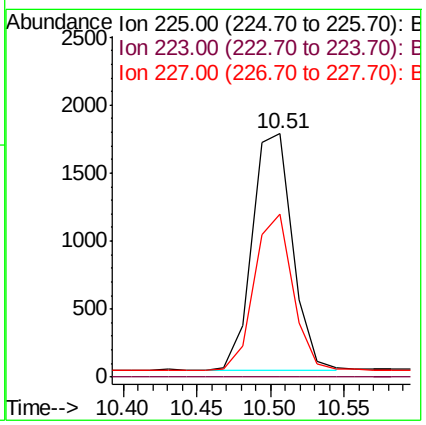


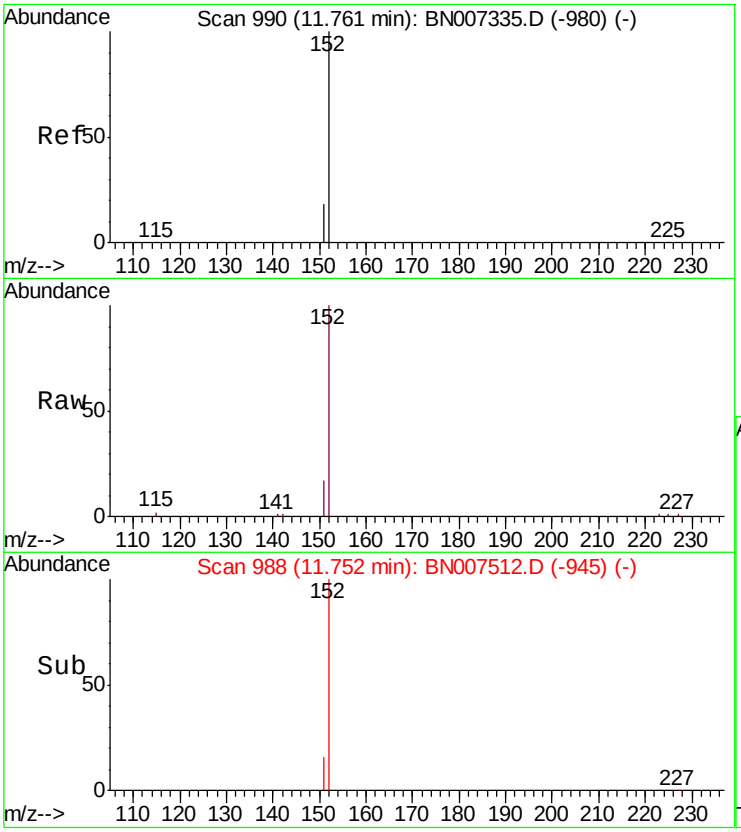


#10
Hexachlorobutadiene
Concen: 0.268 ng
RT: 10.51 min Scan# 854
Delta R.T. -0.00 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:225 Resp: 3304

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.0	50.7	76.1



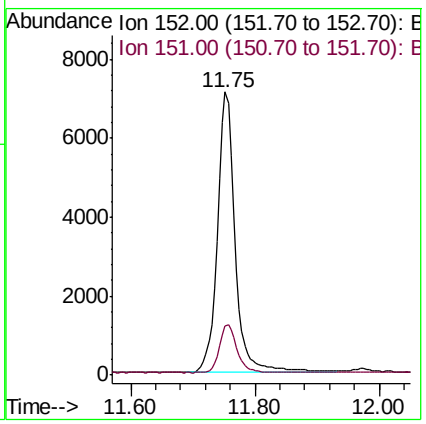


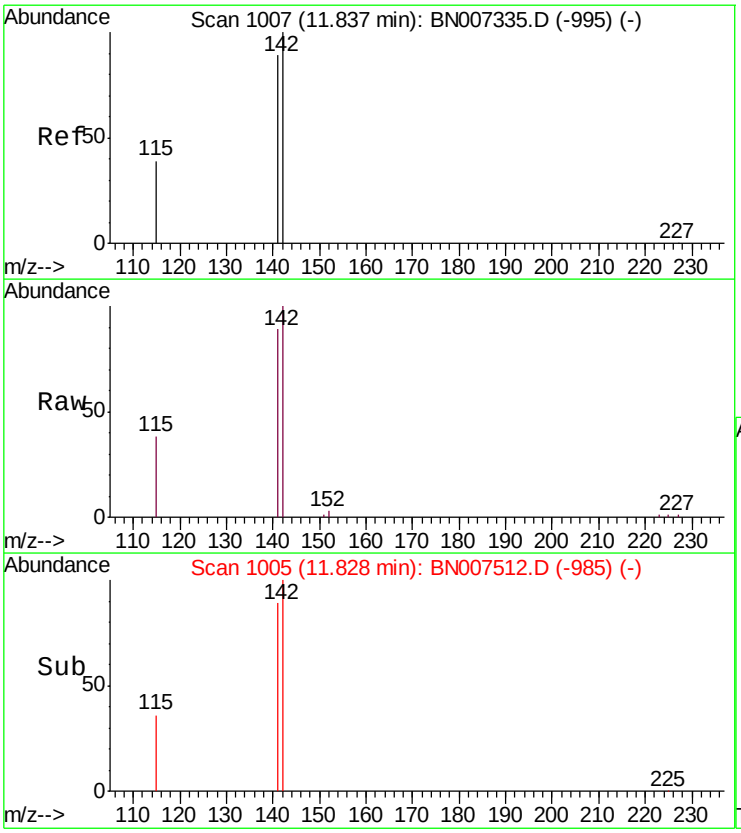
#11
2-Methylnaphthalene-d10
Concen: 0.400 ng
RT: 11.75 min Scan# 988
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:152 Resp: 14029

Ion	Ratio	Lower	Upper
152	100		
151	17.2	16.2	24.2

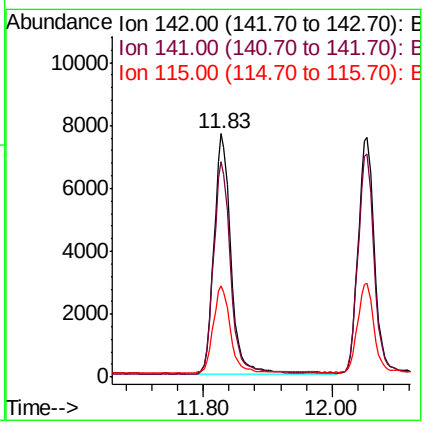


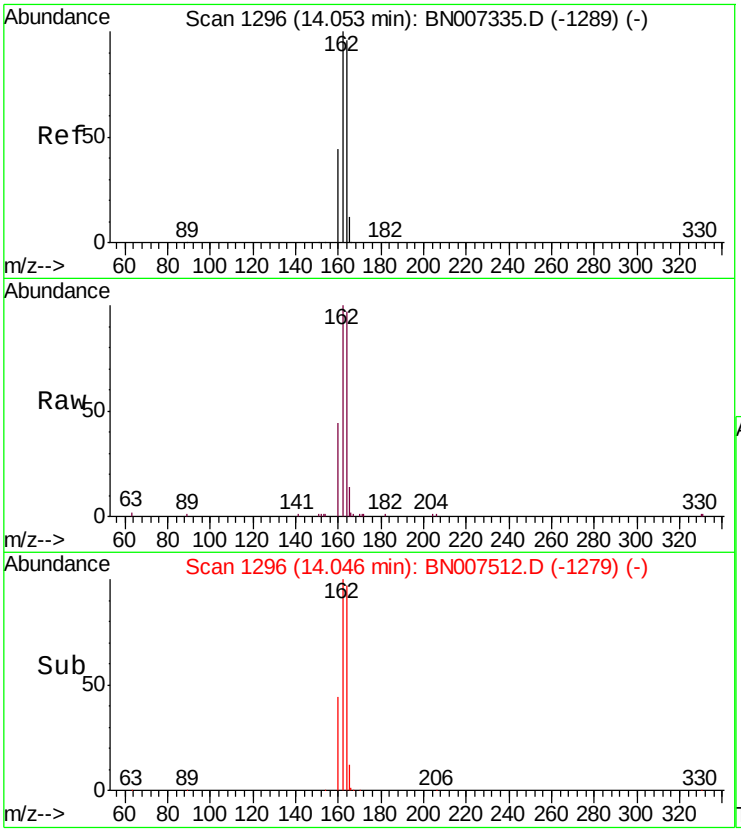


#12
2-Methylnaphthalene
Concen: 0.339 ng
RT: 11.83 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:142 Resp: 13916

Ion	Ratio	Lower	Upper
142	100		
141	88.5	72.8	109.2
115	37.5	35.2	52.8



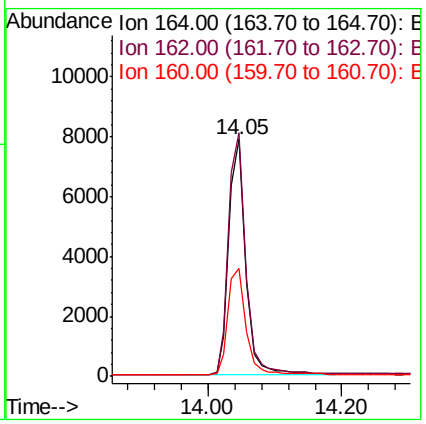


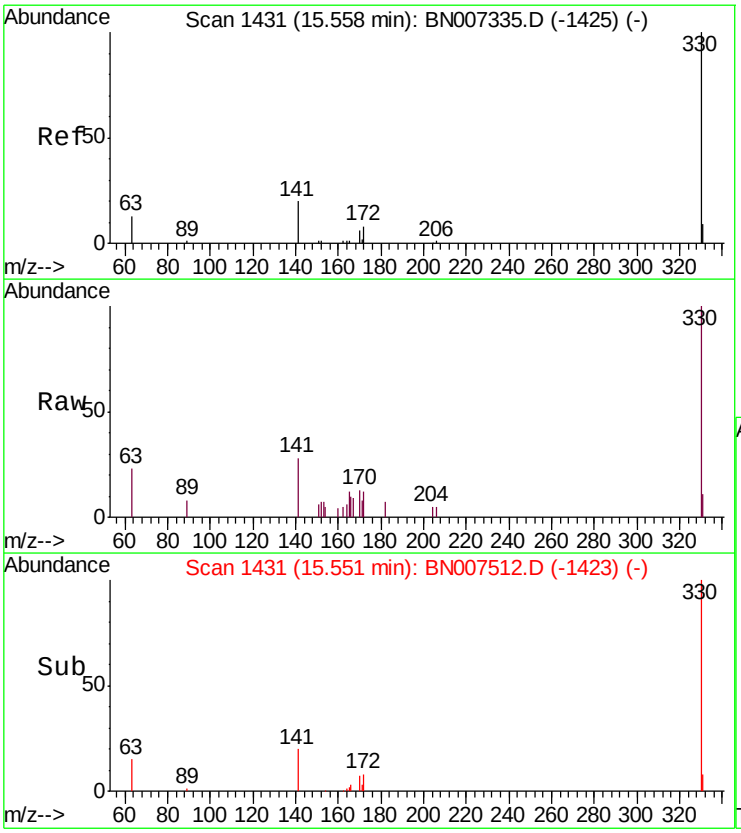
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:164 Resp: 13551

Ion	Ratio	Lower	Upper
164	100		
162	102.8	83.5	125.3
160	45.7	38.2	57.4

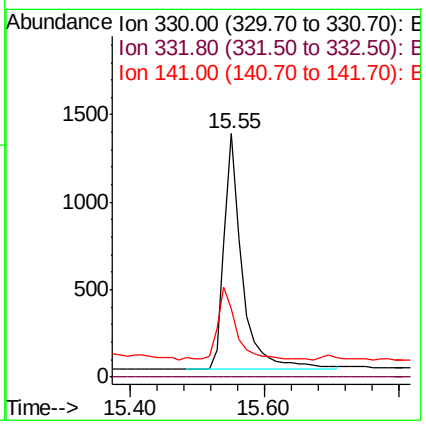


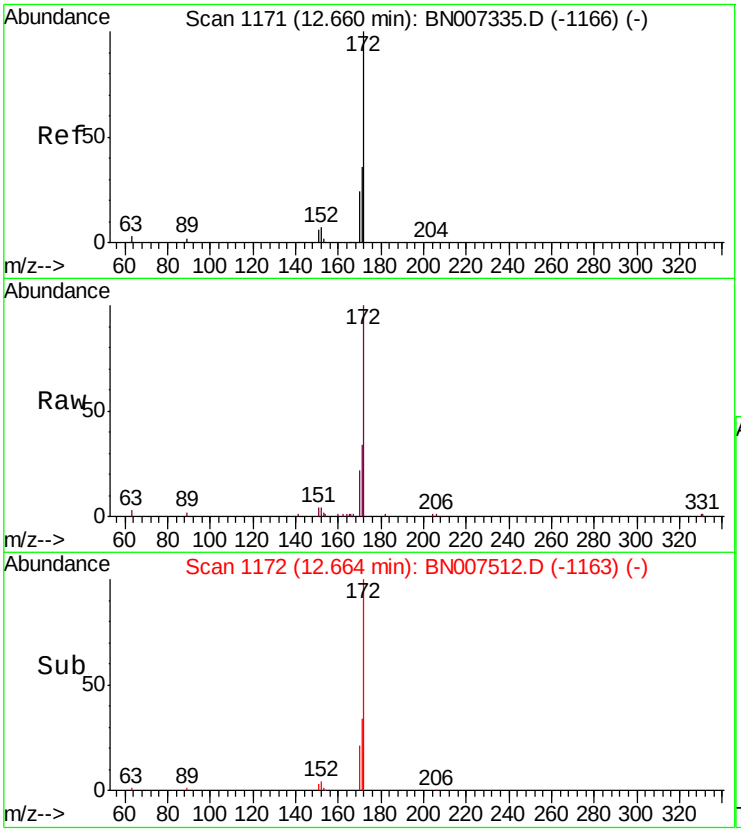


#14
2,4,6-Tribromophenol
Concen: 0.359 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:330 Resp: 2546

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.7	26.9	40.3



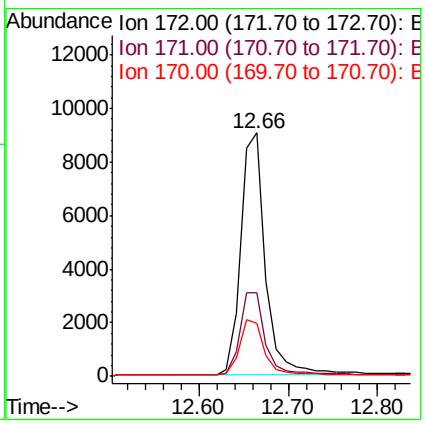


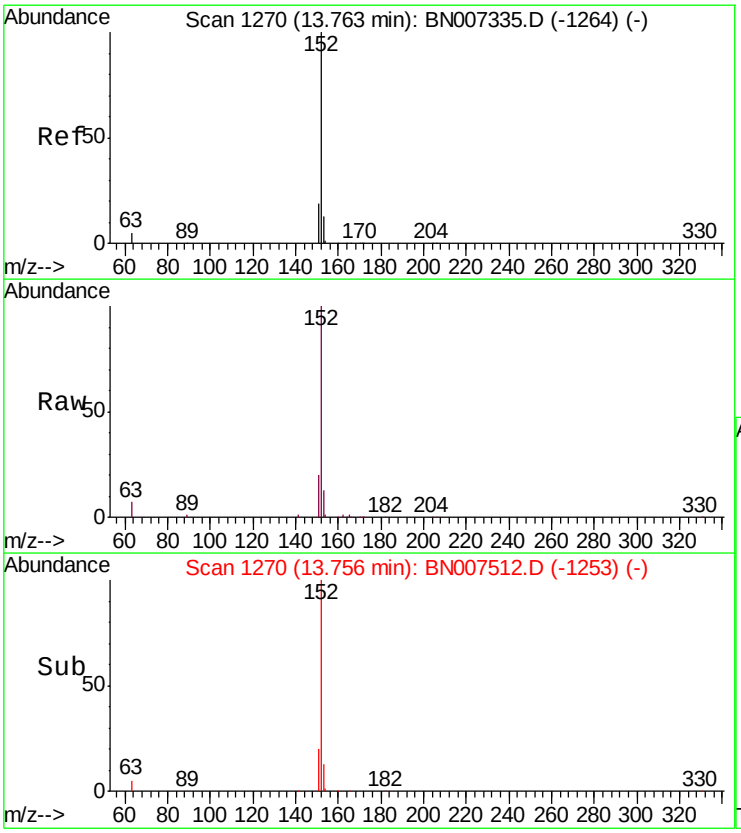
#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:172 Resp: 17358

Ion	Ratio	Lower	Upper
172	100		
171	34.1	30.3	45.5
170	21.7	20.7	31.1

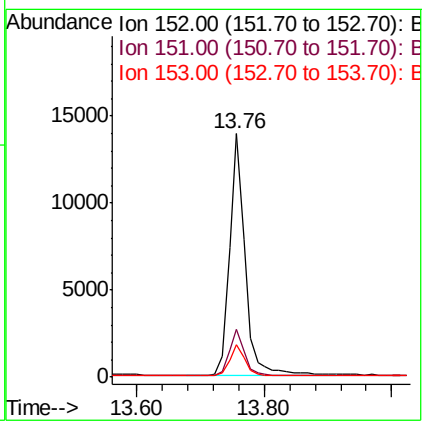


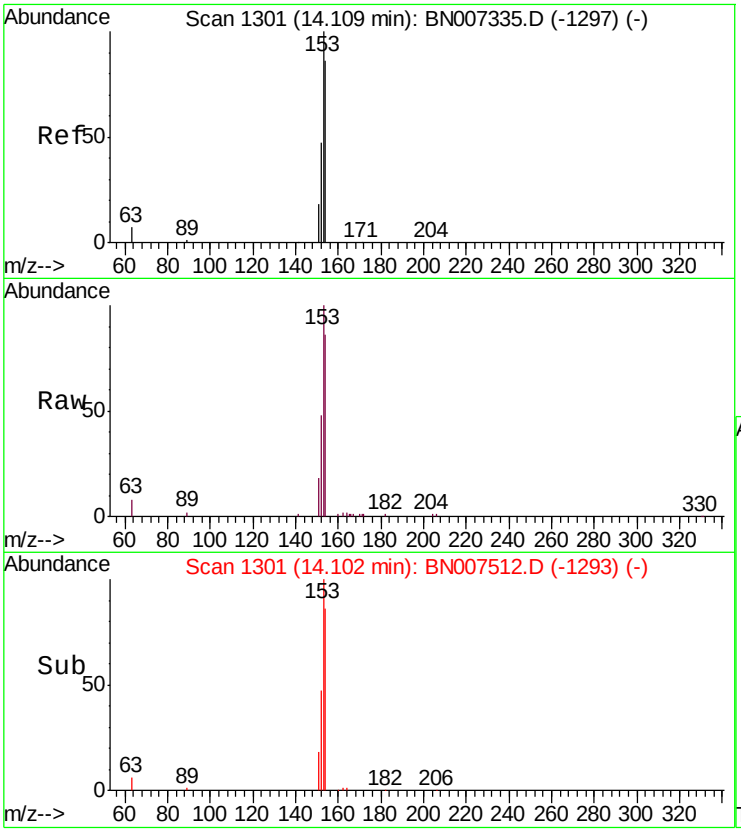


#16
Acenaphthylene
Concen: 0.294 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:152 Resp: 23559

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1
153	13.1	10.6	15.8



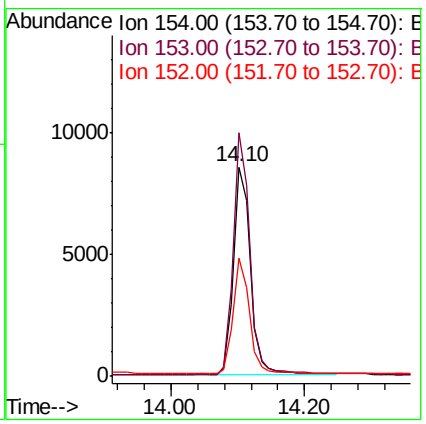


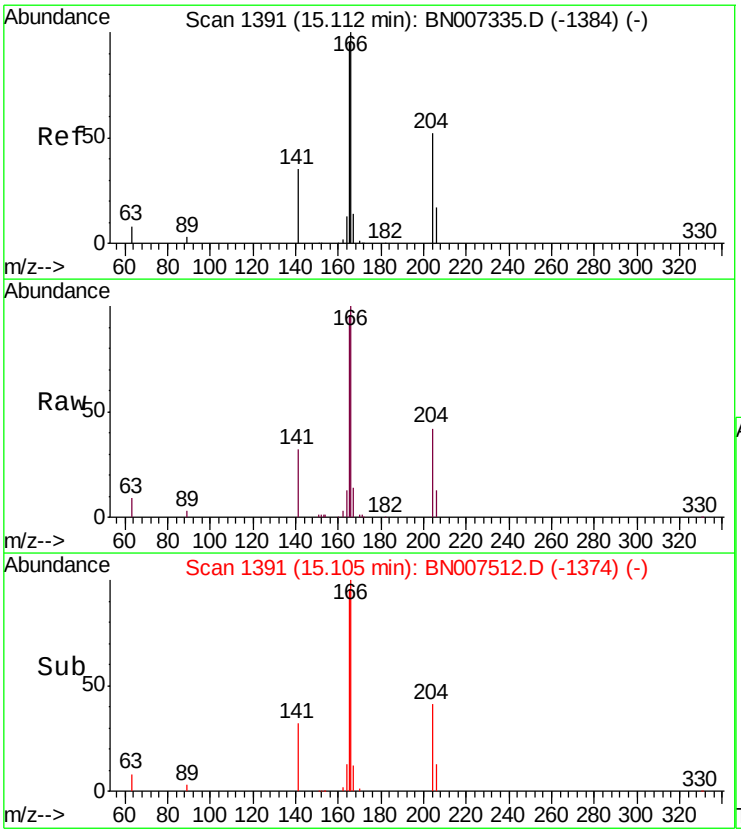
#17
Acenaphthene
Concen: 0.316 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:154 Resp: 14806

Ion	Ratio	Lower	Upper
154	100		
153	113.3	92.8	139.2
152	53.0	43.8	65.8

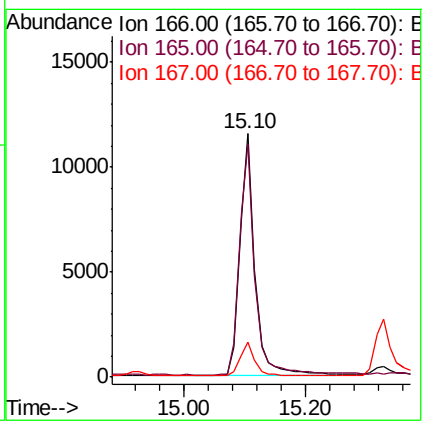


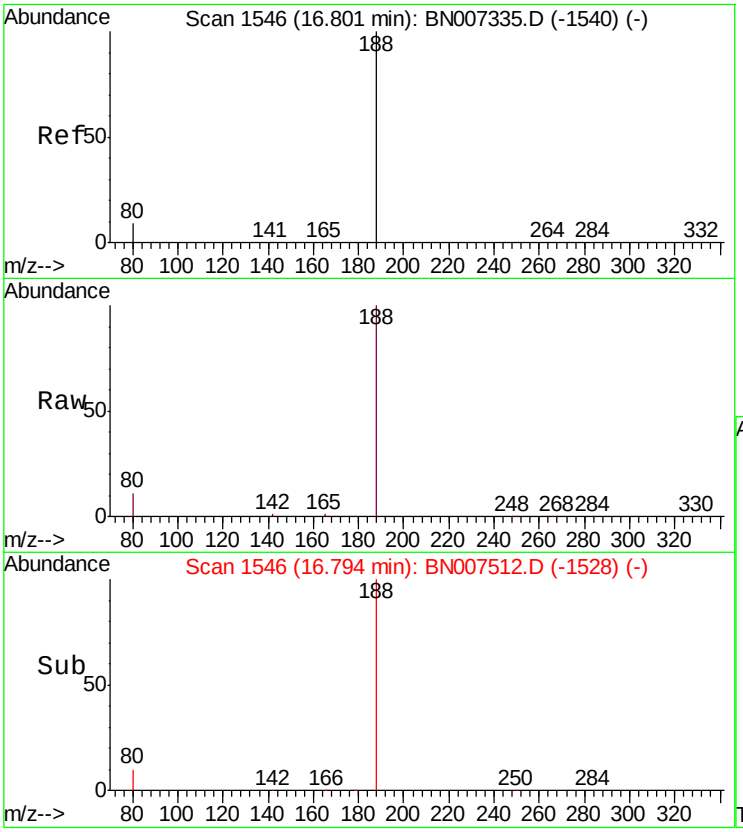


#18
Fluorene
Concen: 0.333 ng
RT: 15.10 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:166 Resp: 19741

Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.0	118.4
167	13.6	10.6	15.8



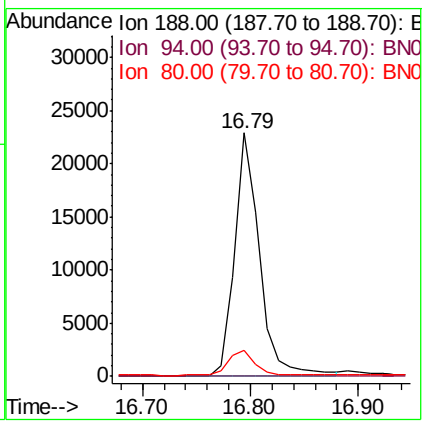


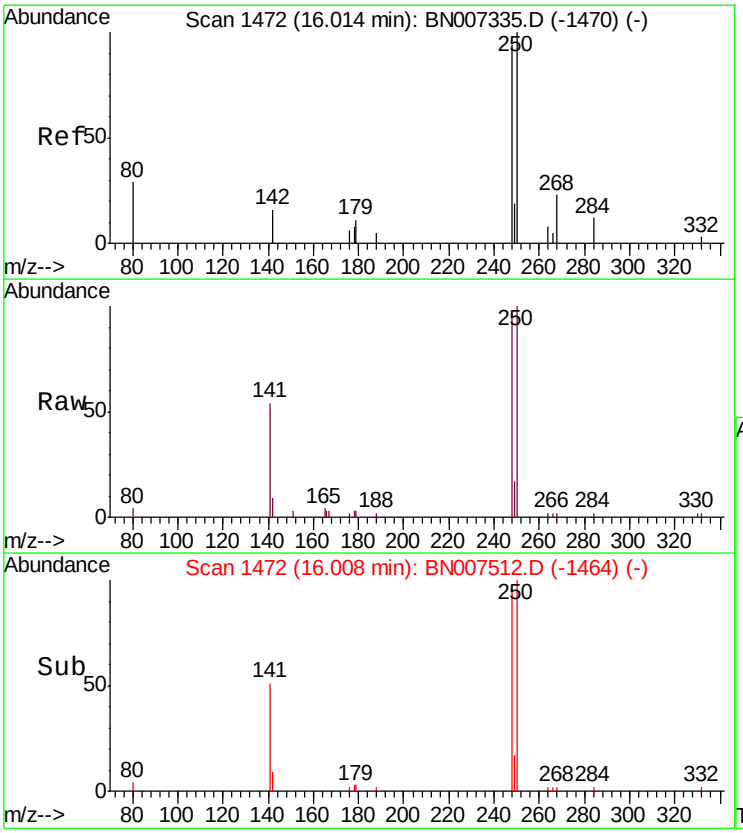
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:188 Resp: 36266

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	11.8	17.8#

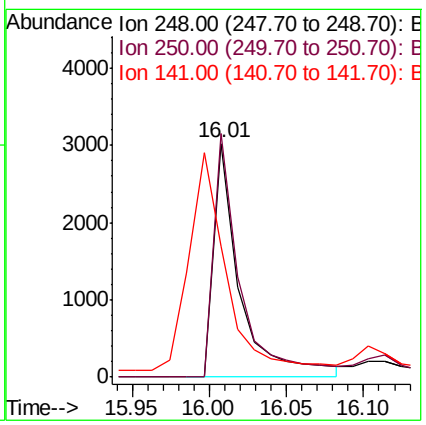


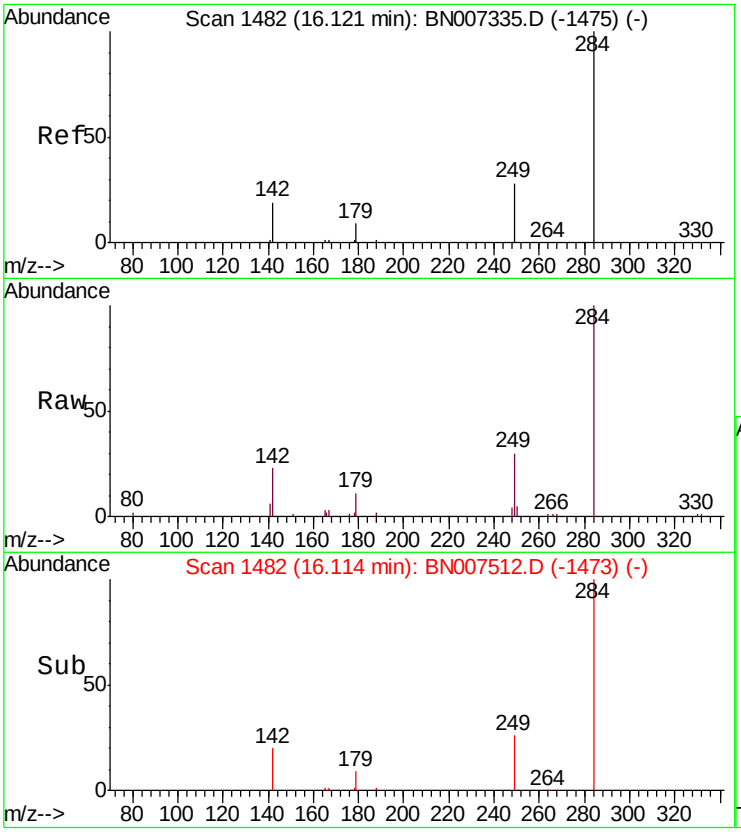


#20
4-Bromophenyl-phenylether
Concen: 0.252 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:248 Resp: 3611

Ion	Ratio	Lower	Upper
248	100		
250	104.1	85.0	127.6
141	56.1	51.7	77.5



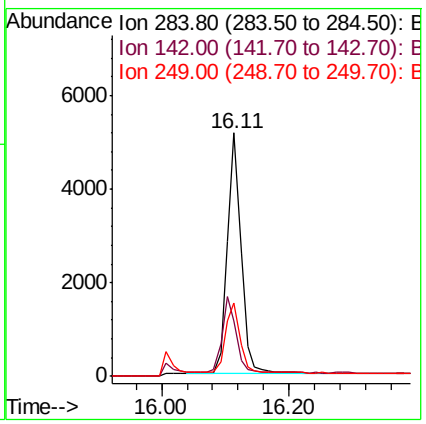


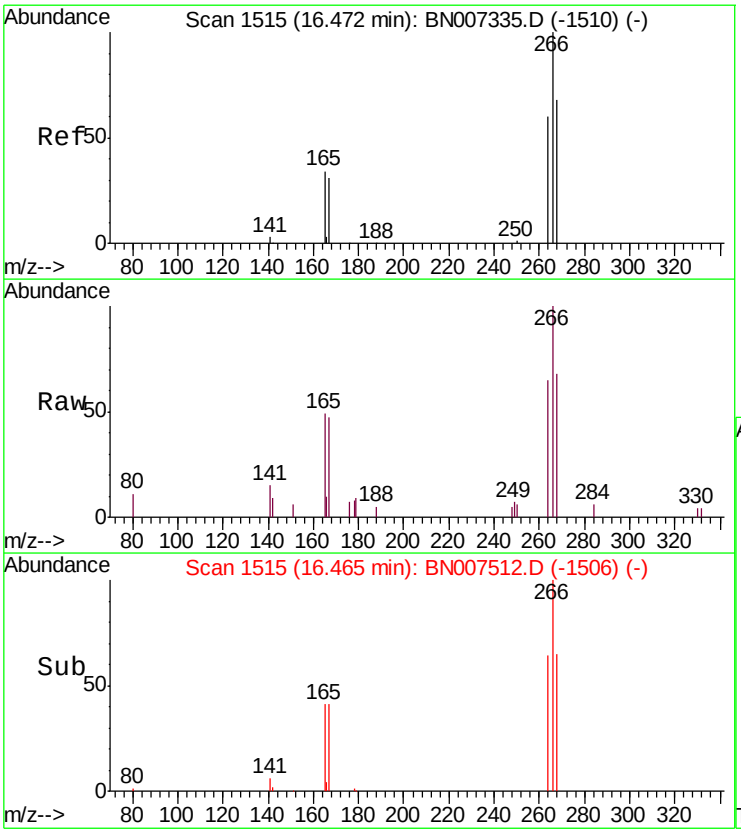
#21
Hexachlorobenzene
Concen: 0.316 ng
RT: 16.11 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:284 Resp: 7675

Ion	Ratio	Lower	Upper
284	100		
142	31.3	29.0	43.6
249	30.5	24.9	37.3

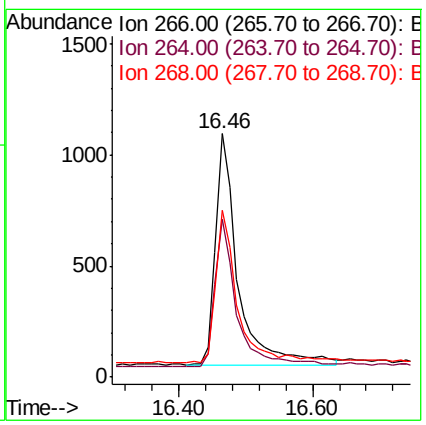


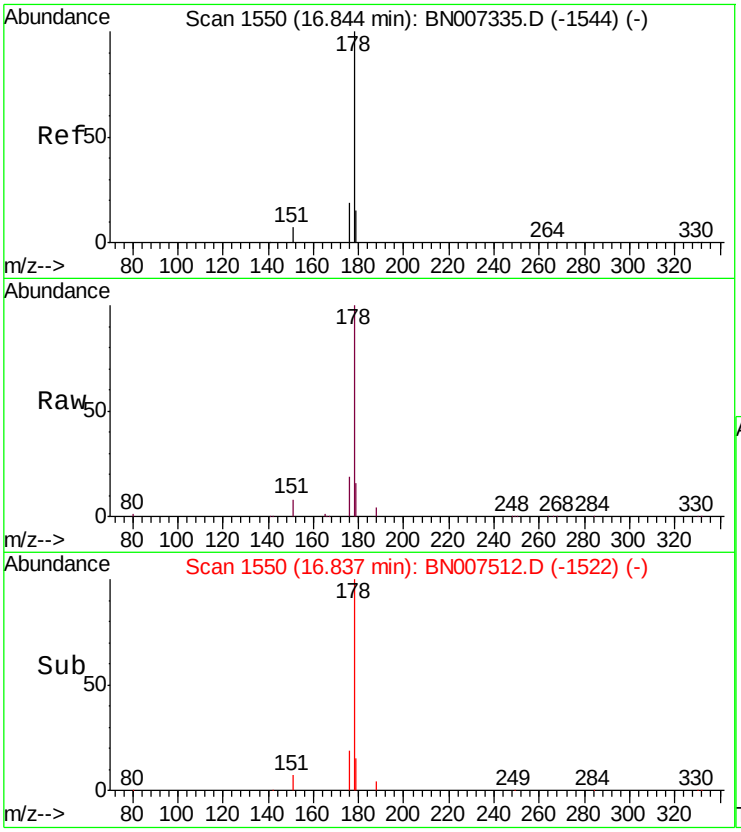


#22
Pentachlorophenol
Concen: 0.318 ng
RT: 16.46 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:266 Resp: 2401

Ion	Ratio	Lower	Upper
266	100		
264	64.7	57.8	86.8
268	68.4	99.7	149.5#



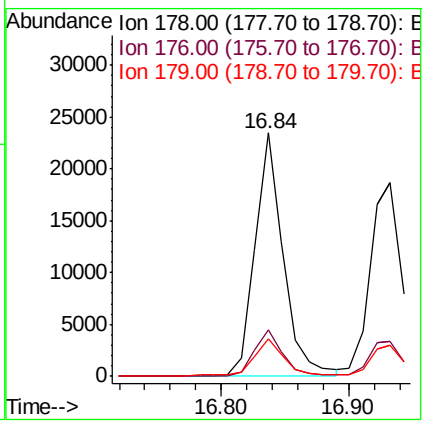


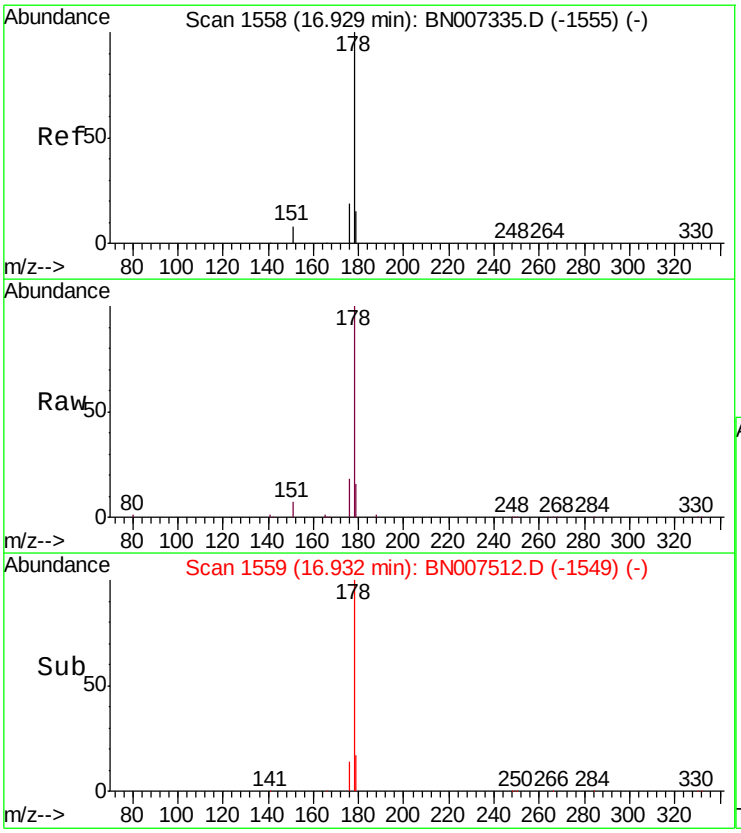
#23
Phenanthrene
Concen: 0.328 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:178 Resp: 35802

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.5	12.6	19.0

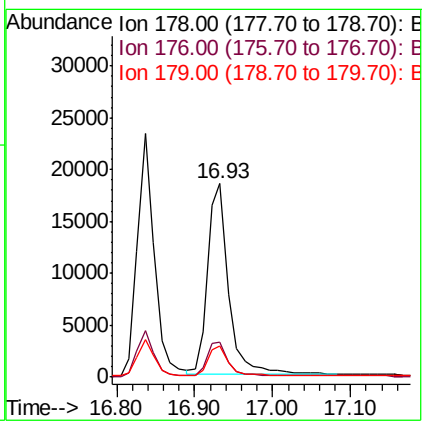


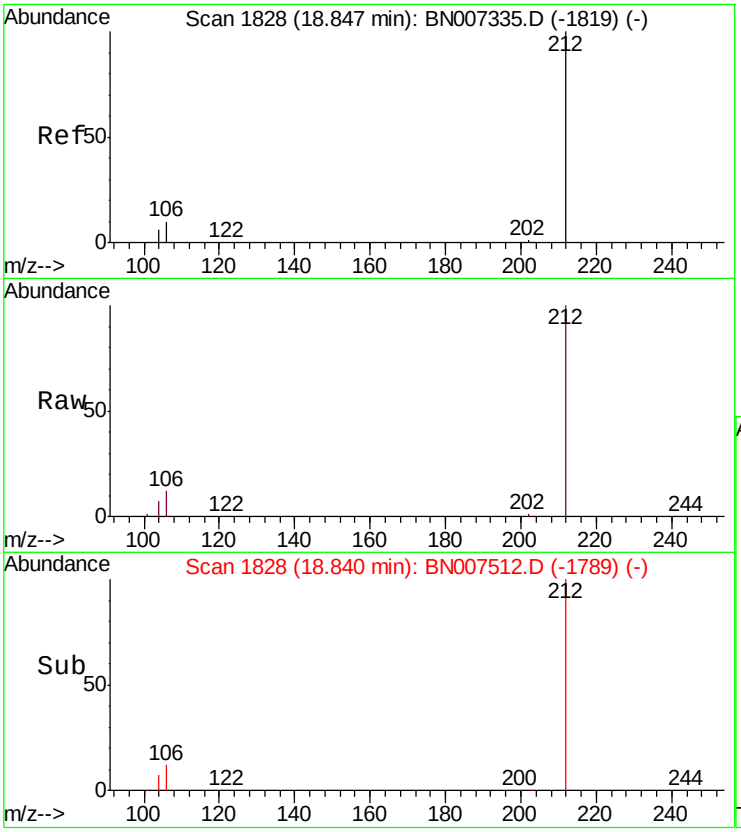


#24
Anthracene
Concen: 0.308 ng
RT: 16.93 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:178 Resp: 33802

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	15.1	12.4	18.6



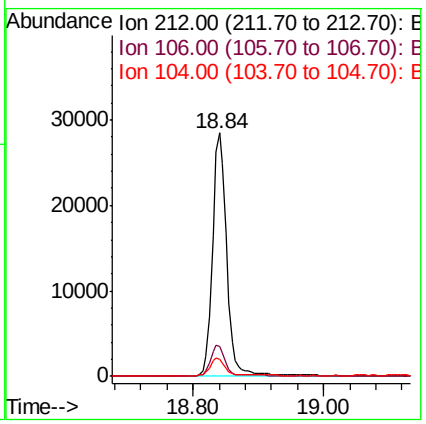


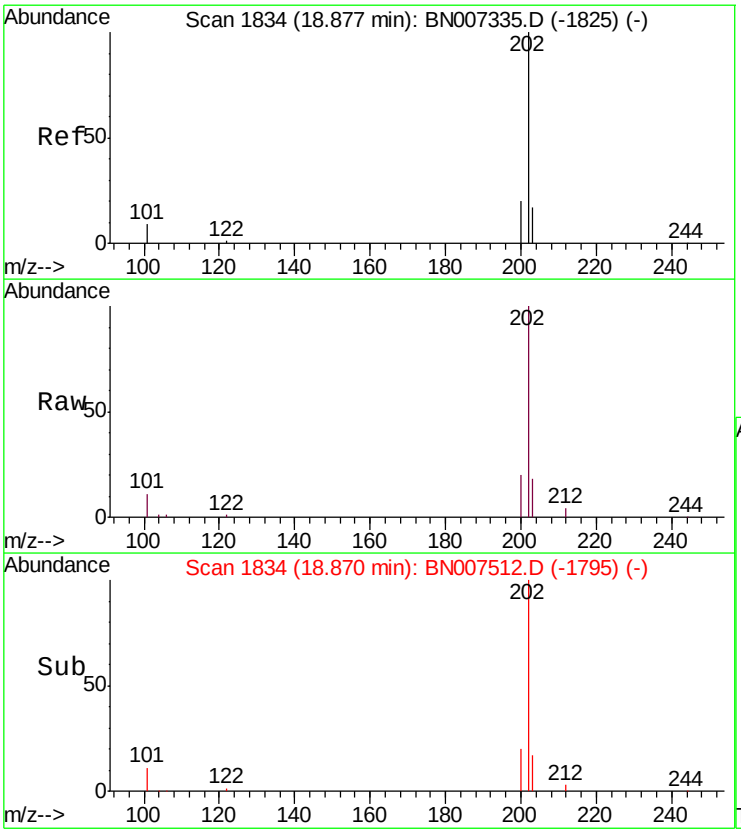
#25
Fluoranthene-d10
Concen: 0.366 ng
RT: 18.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:212 Resp: 42732

Ion	Ratio	Lower	Upper
212	100		
106	12.7	9.0	13.4
104	7.2	5.4	8.2

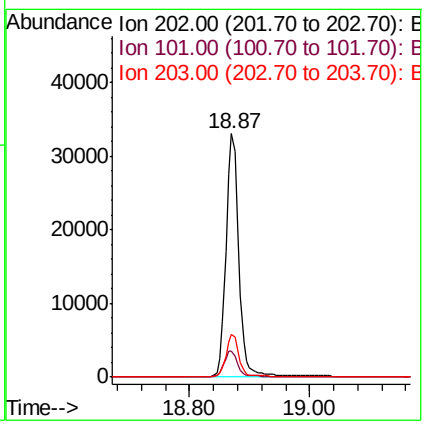


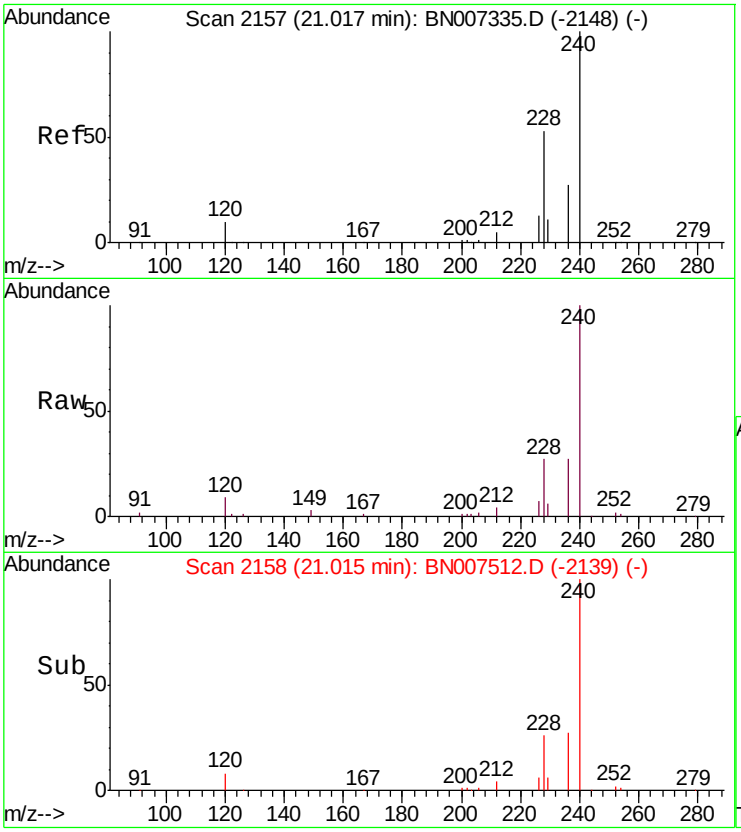


#26
Fluoranthene
Concen: 0.349 ng
RT: 18.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:202 Resp: 48931

Ion	Ratio	Lower	Upper
202	100		
101	10.9	7.7	11.5
203	16.9	13.7	20.5



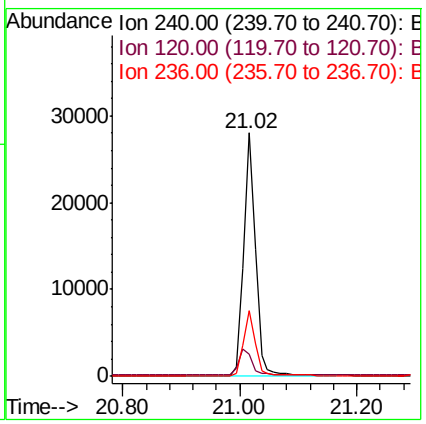


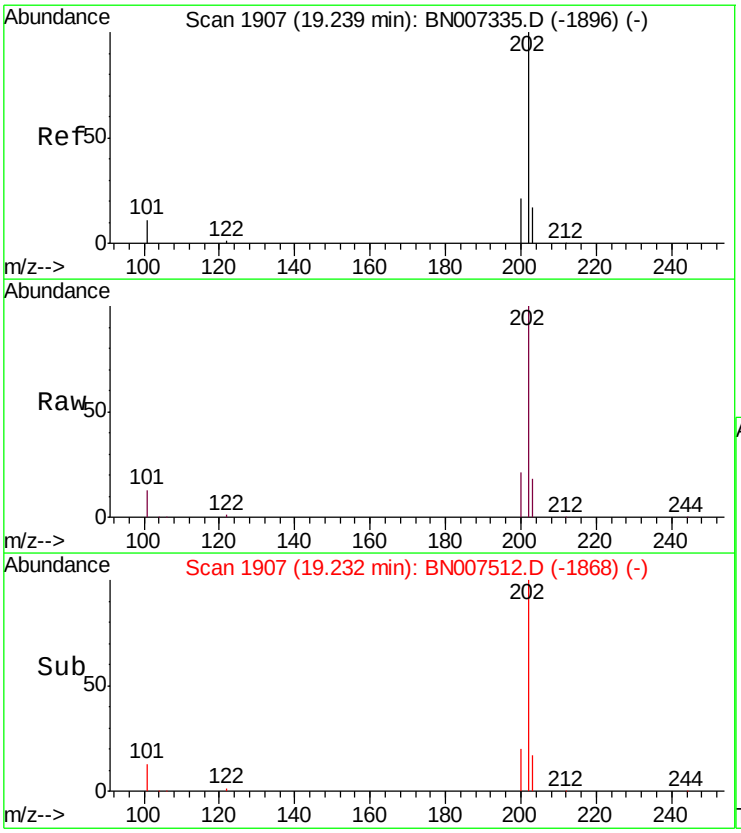
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:240 Resp: 38784

Ion	Ratio	Lower	Upper
240	100		
120	9.1	9.6	14.4#
236	26.9	22.2	33.2

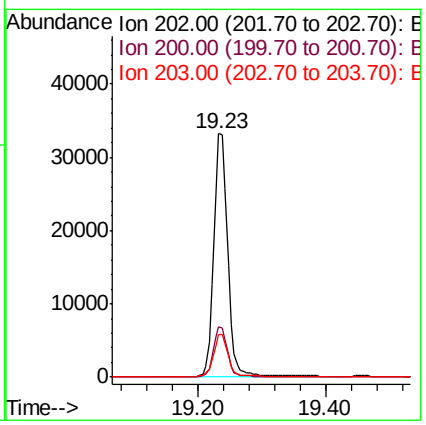


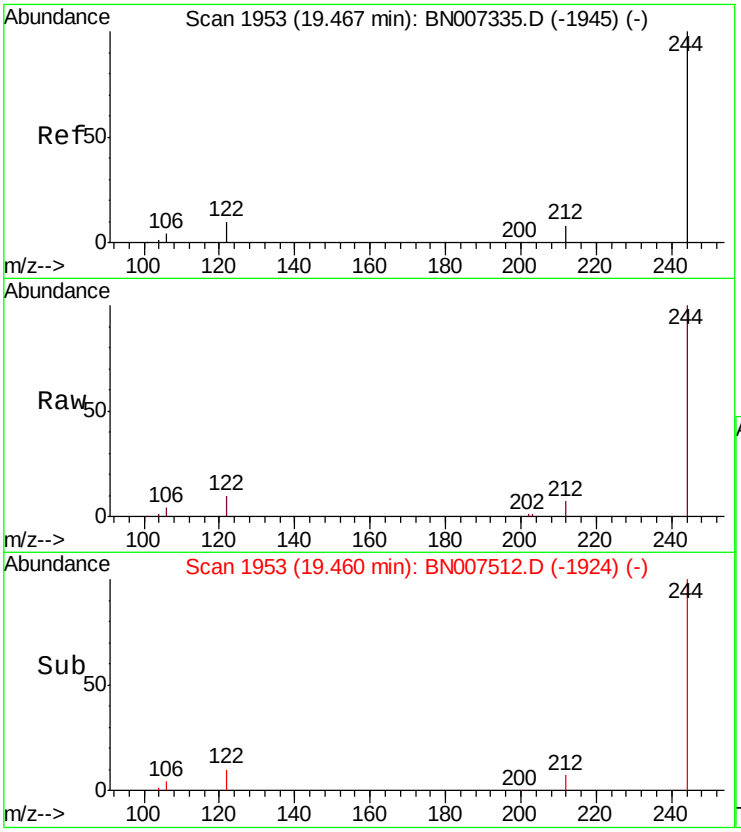


#28
Pyrene
Concen: 0.320 ng
RT: 19.23 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:202 Resp: 49943

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	25.0
203	17.8	14.2	21.4



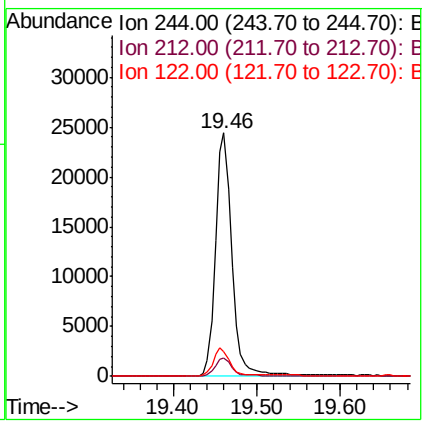


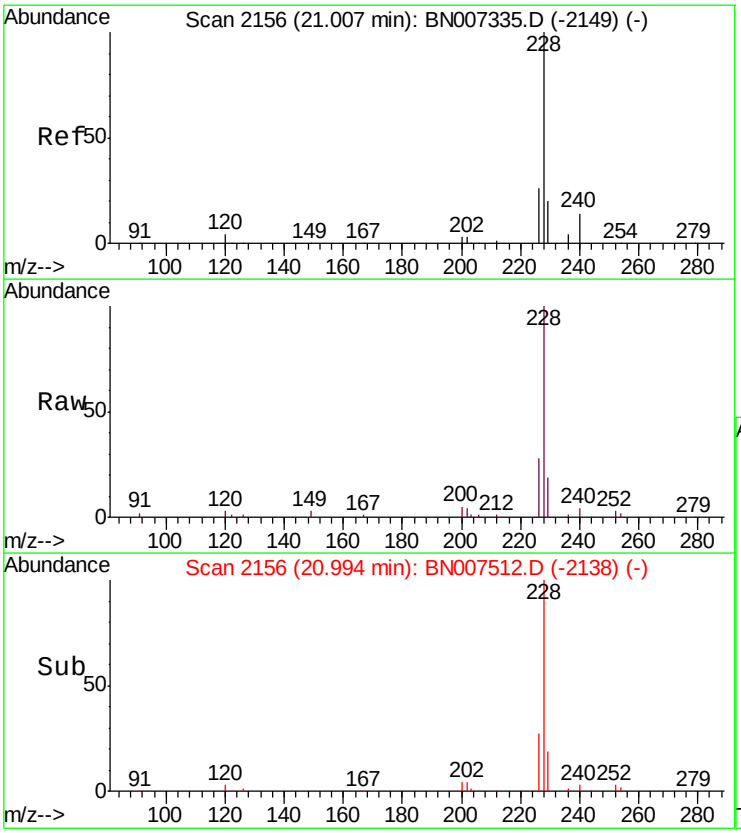
#29
Terphenyl-d14
Concen: 0.326 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:244 Resp: 33127

Ion	Ratio	Lower	Upper
244	100		
212	7.5	7.0	10.6
122	10.3	9.6	14.4

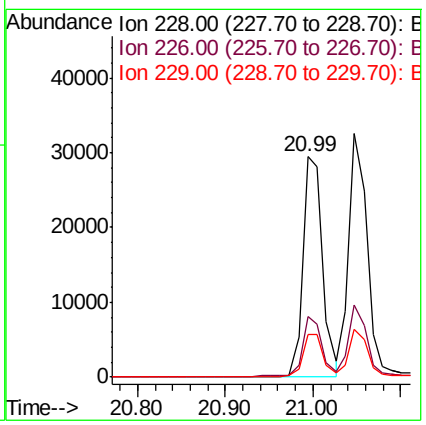


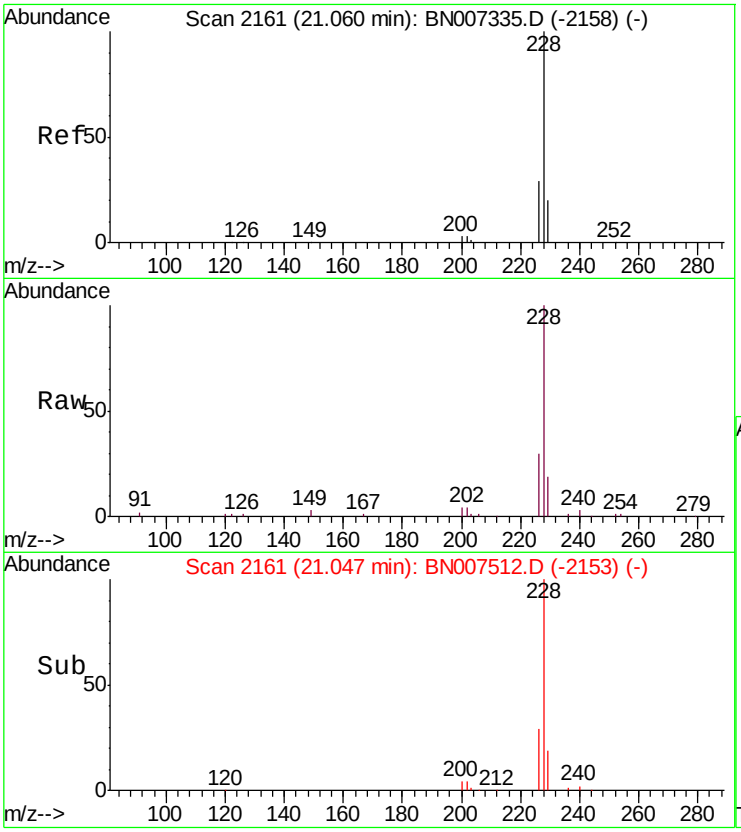


#30
Benzo(a)anthracene
Concen: 0.303 ng
RT: 20.99 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:228 Resp: 46107

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.3	31.9
229	19.5	16.1	24.1



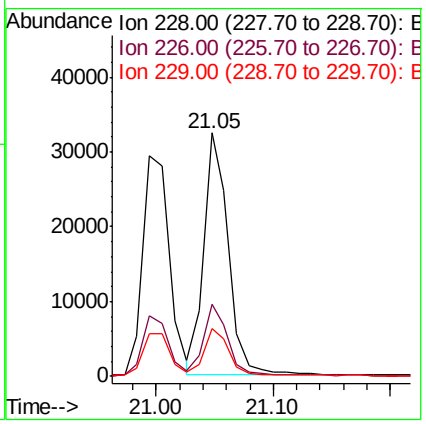


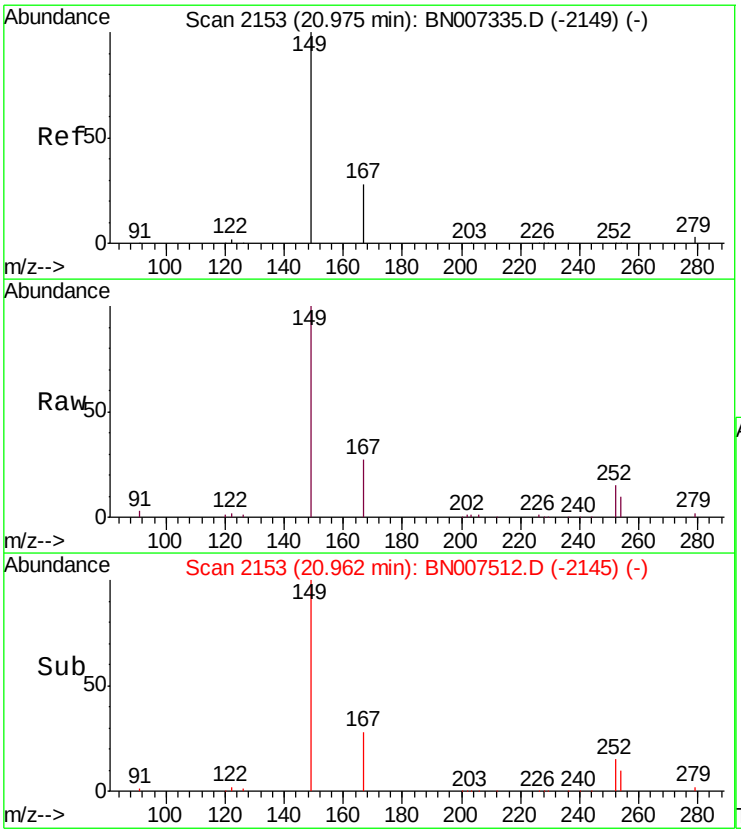
#31
Chrysene
Concen: 0.318 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:228 Resp: 46704

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.5	35.3
229	19.5	16.6	24.8

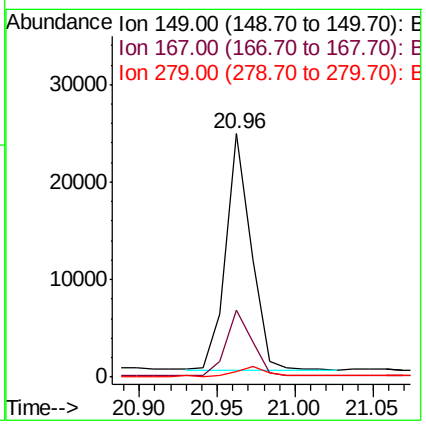


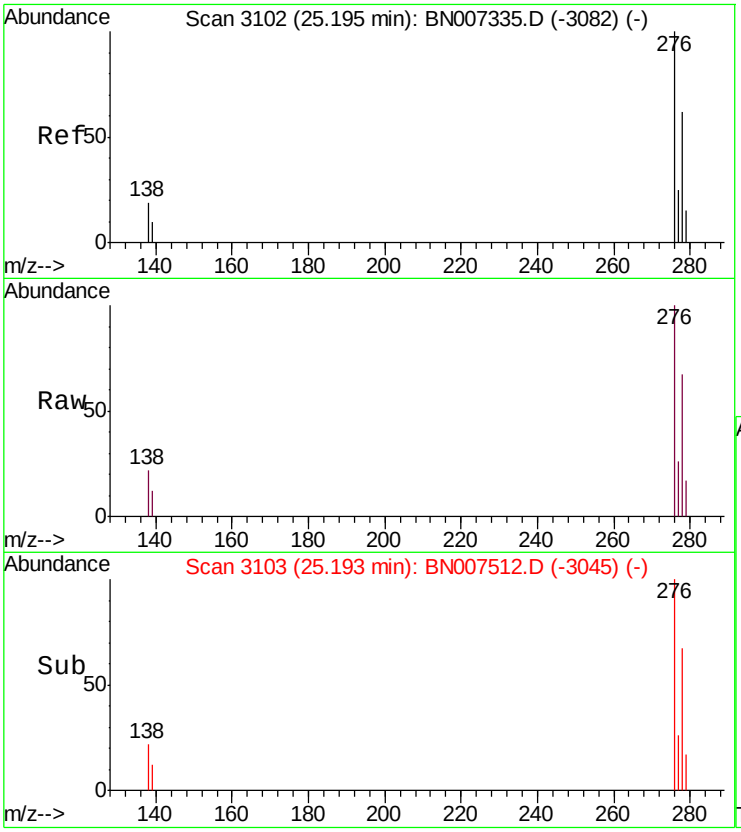


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.257 ng
RT: 20.96 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:149 Resp: 27172

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.8	34.2
279	4.3	3.5	5.3



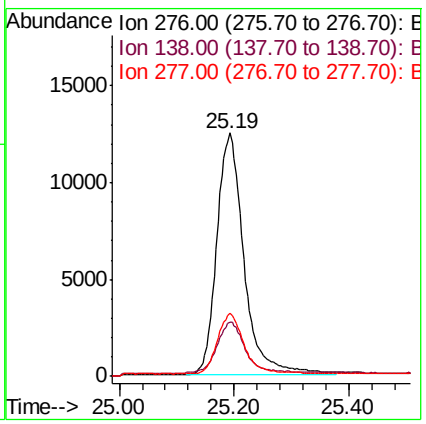


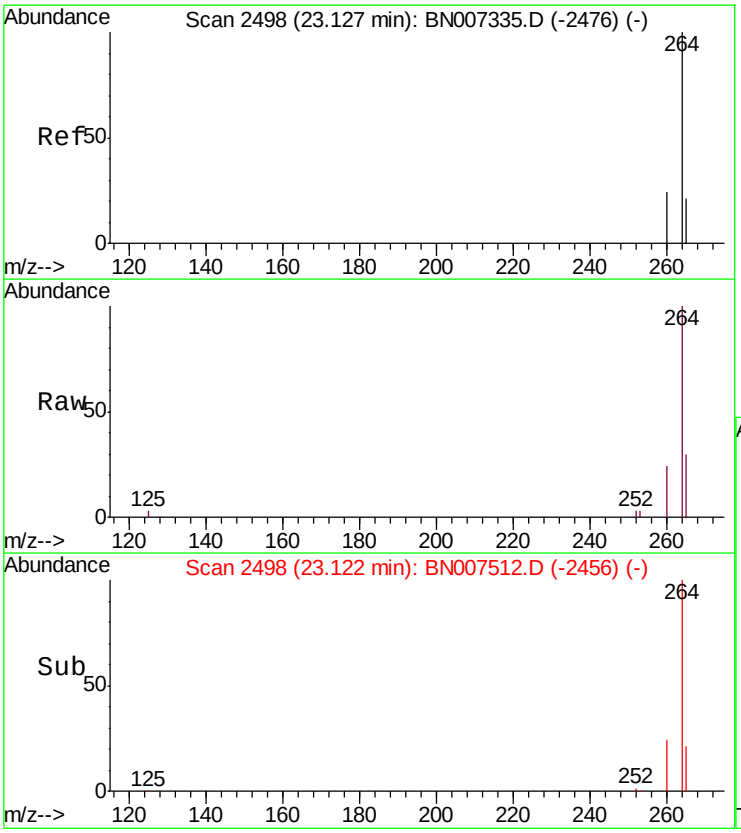
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.231 ng
RT: 25.19 min Scan# 3103
Delta R.T. -0.00 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:276 Resp: 40861

Ion	Ratio	Lower	Upper
276	100		
138	21.7	15.1	22.7
277	24.0	19.7	29.5

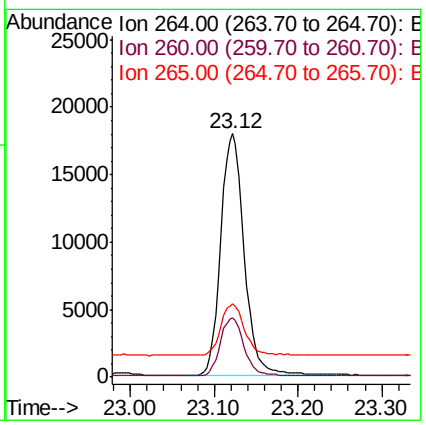


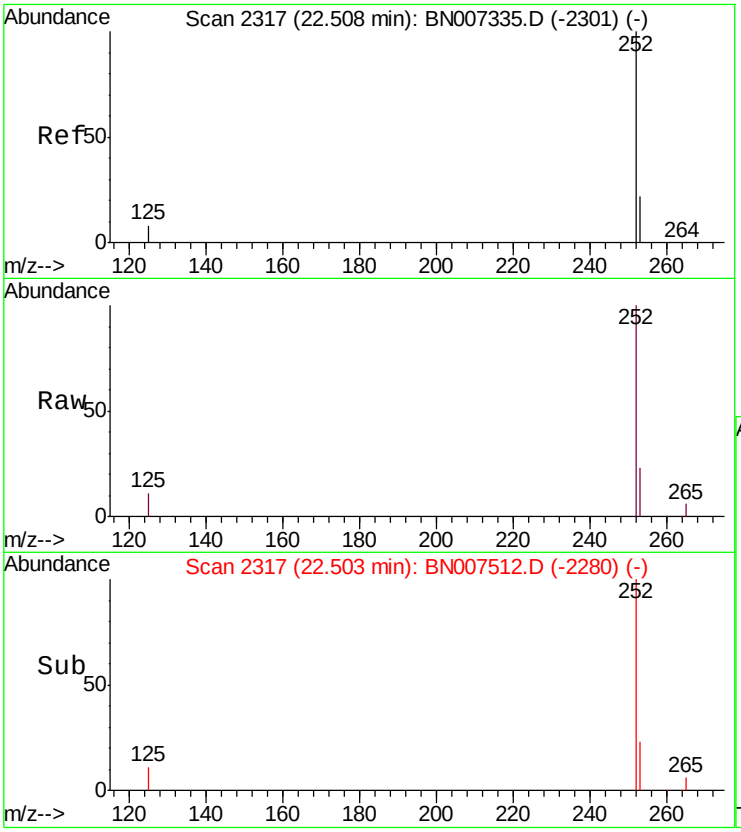


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:264 Resp: 34852

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	30.1	29.9	44.9



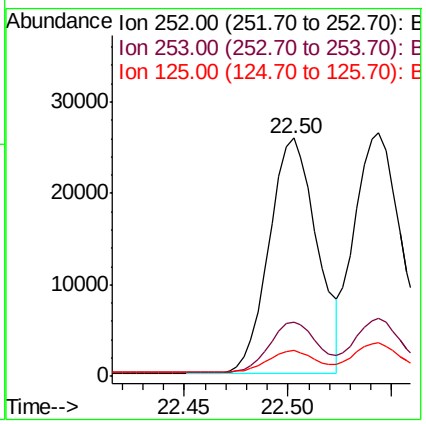


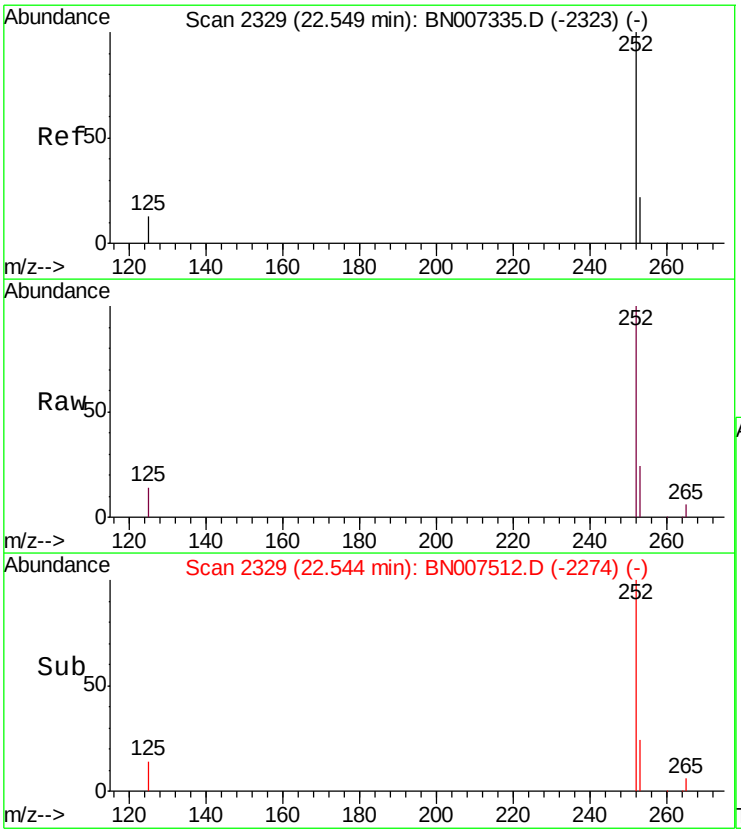
#35
Benzo(b)fluoranthene
Concen: 0.328 ng
RT: 22.50 min Scan# 2317
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:252 Resp: 41393

Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.2	28.8
125	10.8	10.6	16.0

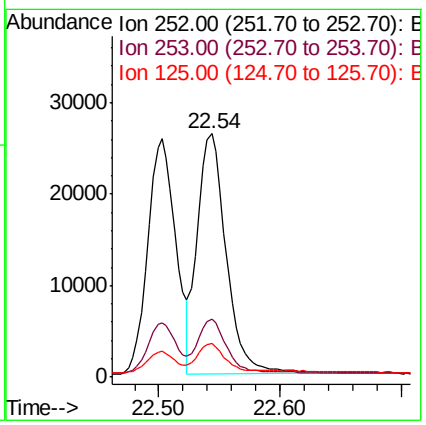


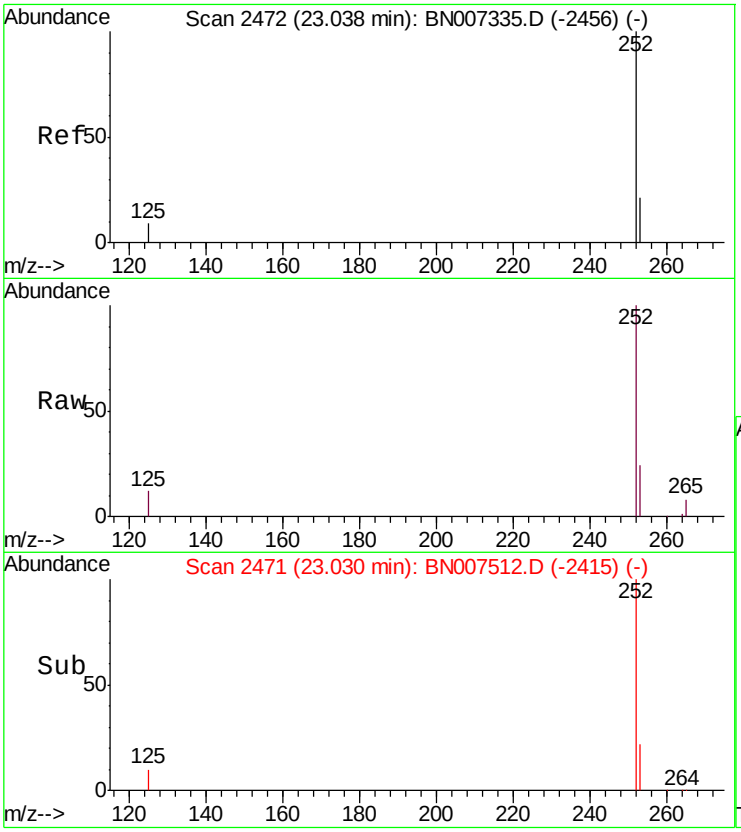


#36
Benzo(k)fluoranthene
Concen: 0.349 ng
RT: 22.54 min Scan# 2329
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:252 Resp: 43495

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.4	29.2
125	13.7	13.1	19.7



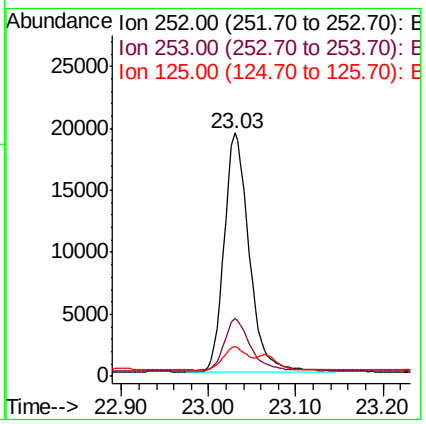


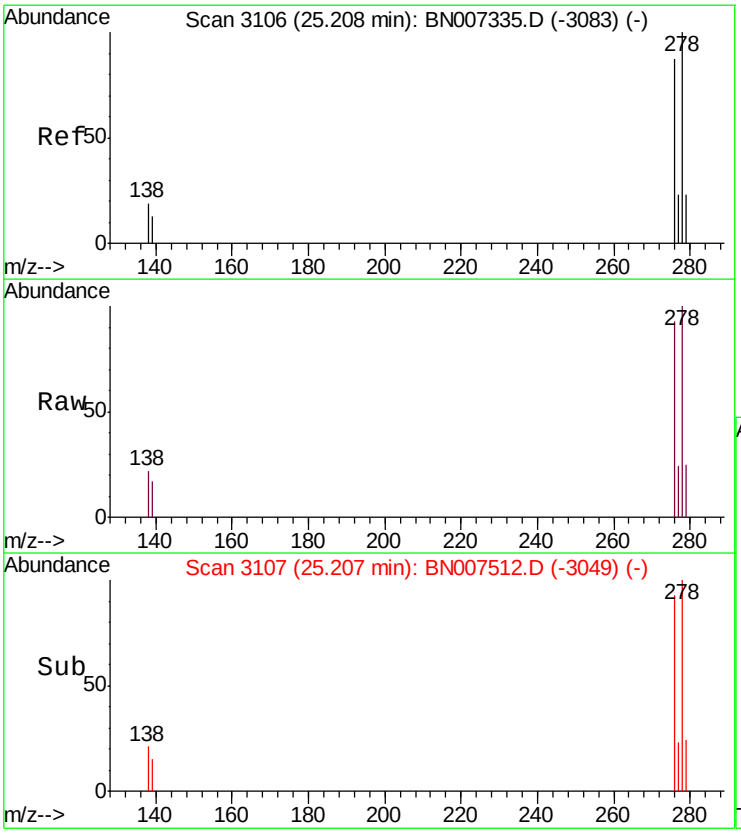
#37
Benzo(a)pyrene
Concen: 0.325 ng
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:252 Resp: 38999

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.5	29.3
125	12.5	12.1	18.1

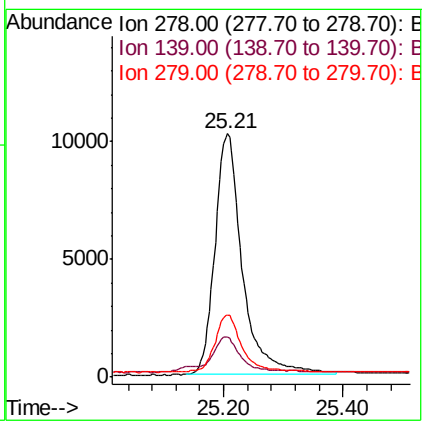


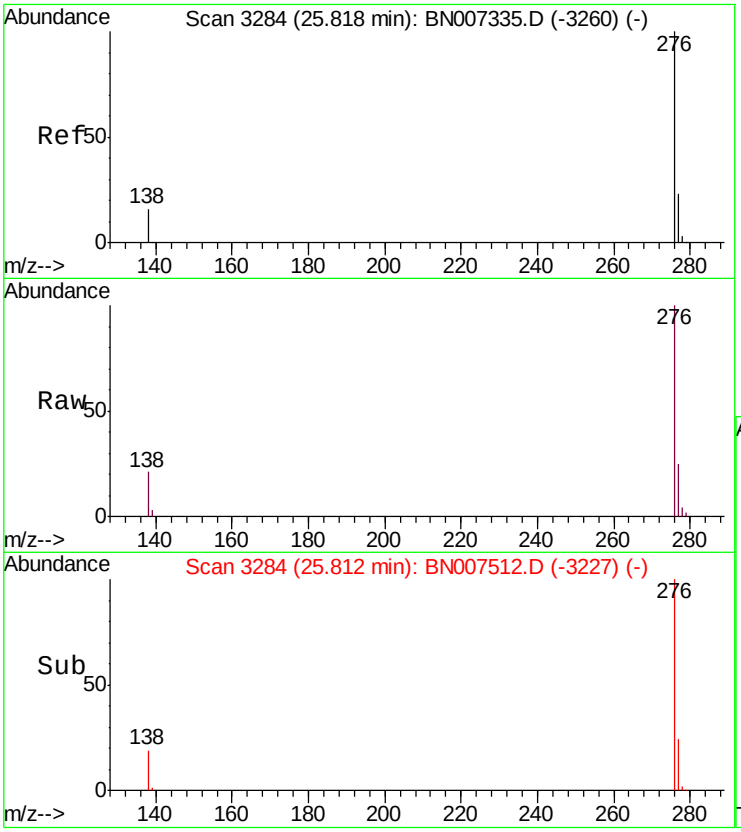


#38
Dibenzo(a,h)anthracene
Concen: 0.273 ng
RT: 25.21 min Scan# 3107
Delta R.T. -0.00 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Tgt Ion:278 Resp: 32735

Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.7	20.5
279	25.4	20.2	30.4





#39
Benzo(g,h,i)perylene
Concen: 0.287 ng
RT: 25.81 min Scan# 3284
Delta R.T. -0.01 min
Lab File: BN007512.D
Acq: 29 Aug 2019 21:06

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Tgt Ion:276 Resp: 34282

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.6	29.4
138	20.6	16.3	24.5