Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
Data File : BN007290.D
Acq On : 21 Aug 2019 12:39
Operator : HP/JU
Sample : K4282-16MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Aug 21 13:47:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 18:52:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	5985	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	22746	0.40	ng		0.00
13) Acenaphthene-d10	14.06	164	13067	0.40	ng		0.00
19) Phenanthrene-d10	16.80	188	30307	0.40	ng		0.00
27) Chrysene-d12	21.03	240	32143	0.40	ng		0.00
34) Perylene-d12	23.14	264	34972	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.04	112	6888	0.38	ng		0.00
5) Phenol-d6	6.60	99	9029	0.43	ng		0.00
8) Nitrobenzene-d5	8.54	82	6630	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	11.77	152	18773	0.48	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	2590	0.35	ng		0.00
15) 2-Fluorobiphenyl	12.68	172	18258	0.33	ng		0.00
25) Fluoranthene-d10	18.85	212	30629	0.32	ng		0.00
29) Terphenyl-d14	19.48	244	22442	0.28	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.01	88	2121	0.250	ng	#	50
3) n-Nitrosodimethylamine	3.32	42	1879	0.330	ng	#	89
6) bis(2-Chloroethyl)ether	6.85	93	6613	0.374	ng		98
9) Naphthalene	10.22	128	47558	0.738	ng		100
10) Hexachlorobutadiene	10.52	225	4203	0.296	ng	#	97
12) 2-Methylnaphthalene	11.84	142	39284	0.880	ng		99
16) Acenaphthylene	13.77	152	57382	0.828	ng		97
17) Acenaphthene	14.11	154	75036	1.699	ng		99
18) Fluorene	15.12	166	97406	1.688	ng		97
20) 4-Bromophenyl-phenylether	16.01	248	6084	0.350	ng	#	79
21) Hexachlorobenzene	16.12	284	5918	0.295	ng		99
22) Pentachlorophenol	16.46	266	985	0.122	ng		95
23) Phenanthrene	16.85	178	1135891	11.958	ng		100
24) Anthracene	16.93	178	280654	3.281	ng	#	93
26) Fluoranthene	18.88	202	1187976	10.325	ng		99
28) Pyrene	19.25	202	1018611	8.474	ng	#	94
30) Benzo(a)anthracene	21.02	228	615612	5.151	ng		97
31) Chrysene	21.07	228	511722	4.195	ng		96
32) Bis(2-ethylhexyl)phthalate	20.98	149	25867	0.542	ng		95
33) Indeno(1,2,3-cd)pyrene	25.21	276	247055	1.683	ng		97
35) Benzo(b)fluoranthene	22.52	252	536273	4.113	ng		99
36) Benzo(k)fluoranthene	22.52	252	536273	4.199	ng		99
37) Benzo(a)pyrene	23.05	252	417407	3.552	ng		98
38) Dibenzo(a,h)anthracene	25.22	278	95307	0.772	ng		97
39) Benzo(g,h,i)perylene	25.83	276	217001	1.739	ng		99

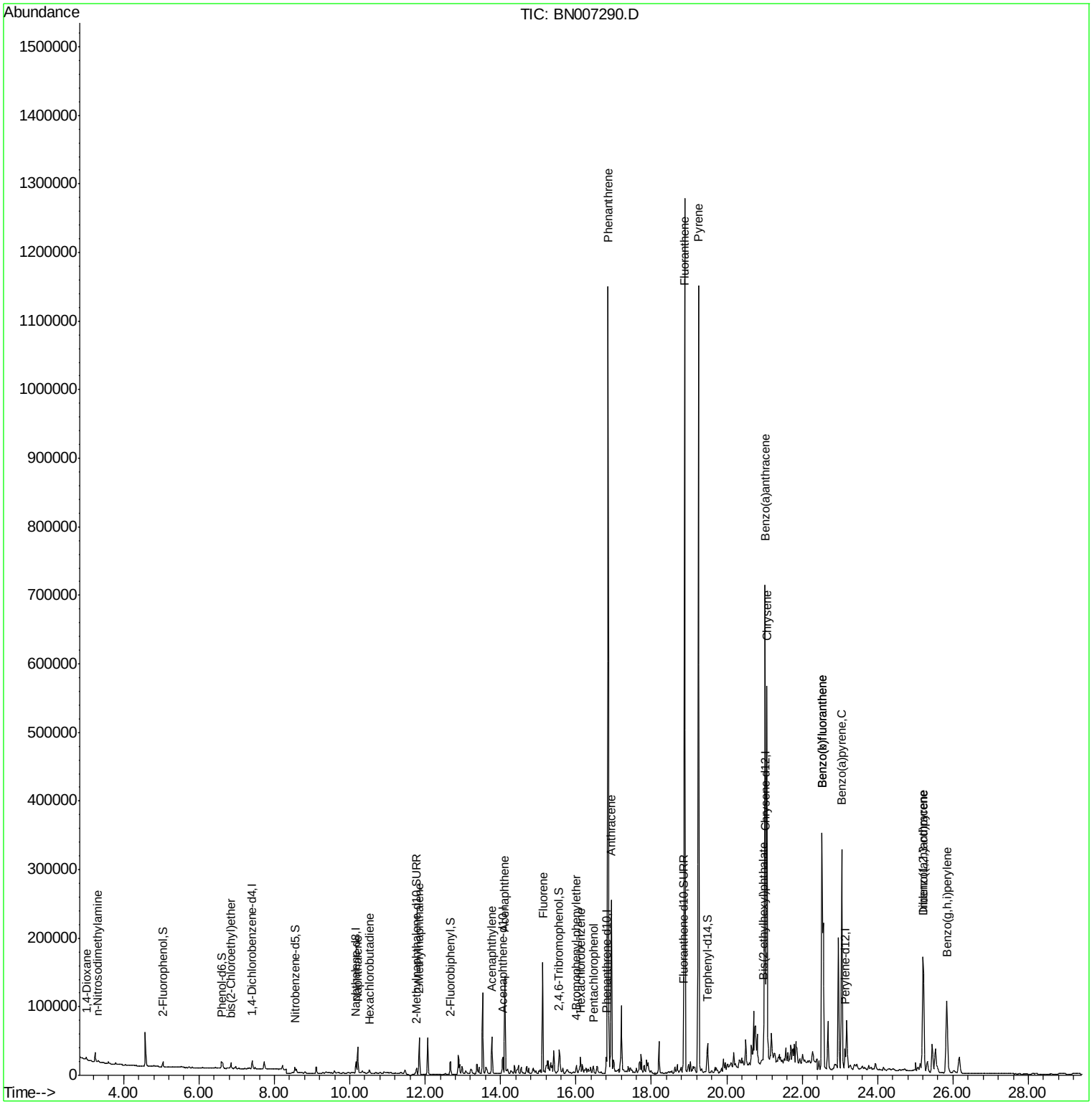
(#) = qualifier out of range (m) = manual integration (+) = signals summed

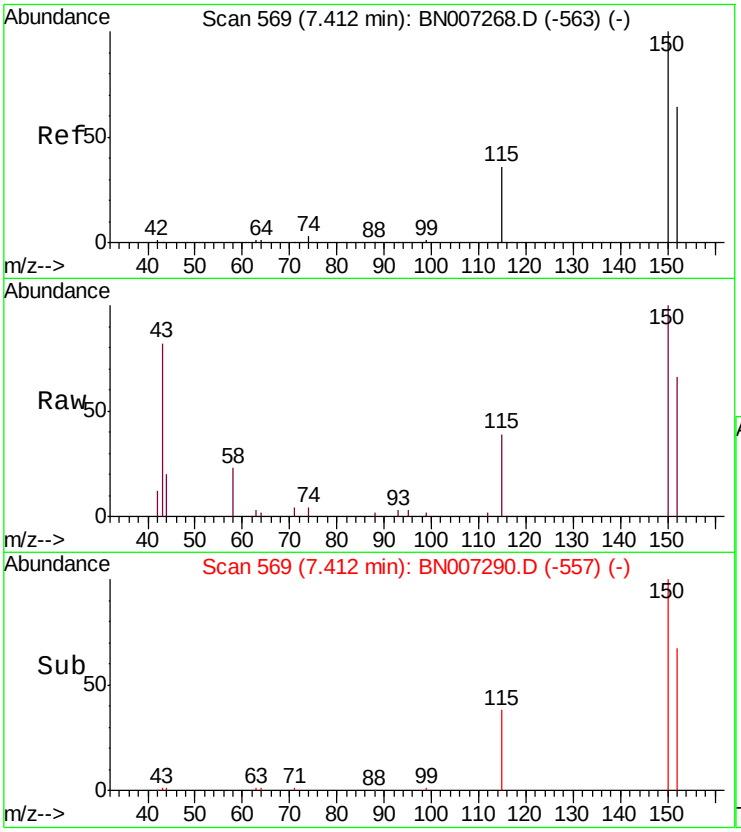
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
Data File : BN007290.D
Acq On : 21 Aug 2019 12:39
Operator : HP/JU
Sample : K4282-16MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Aug 21 13:47:47 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 18:52:43 2019
Response via : Initial Calibration



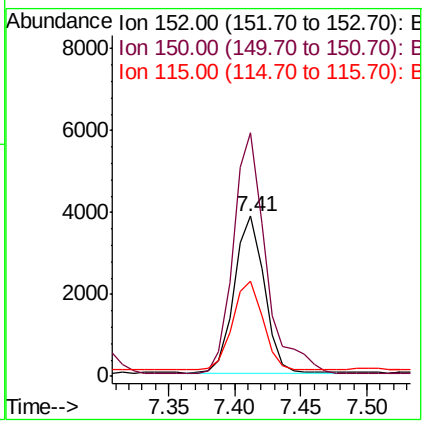


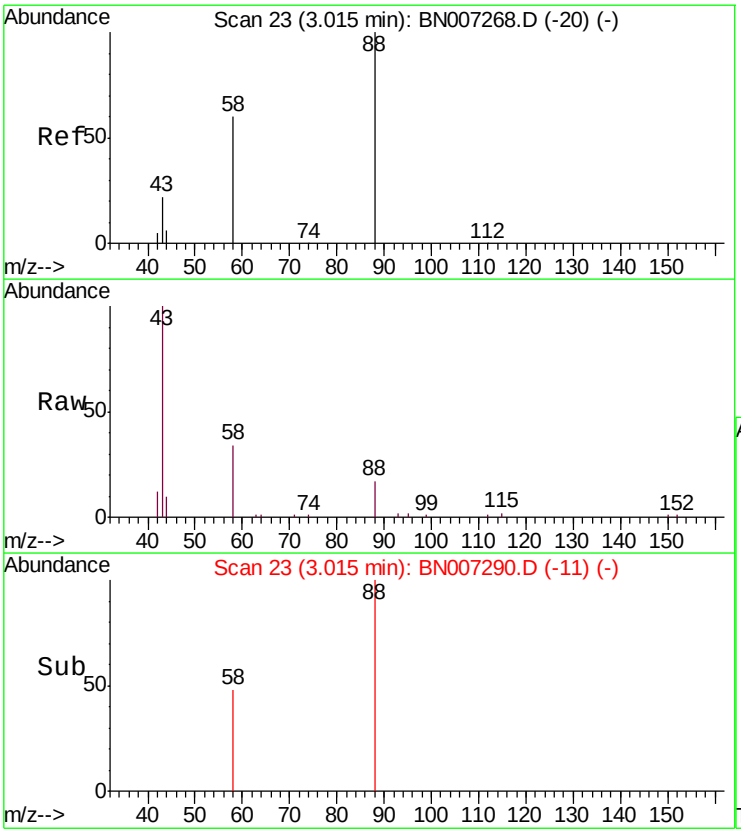
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 5985

Ion	Ratio	Lower	Upper
152	100		
150	152.3	123.8	185.8
115	59.4	47.3	70.9

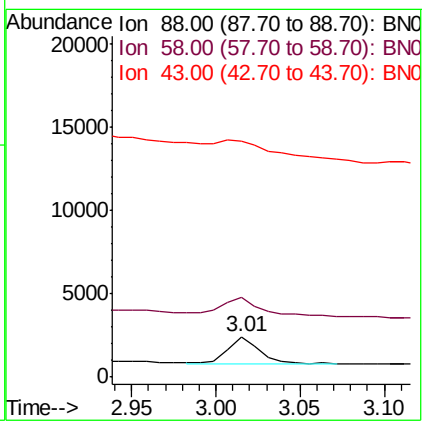


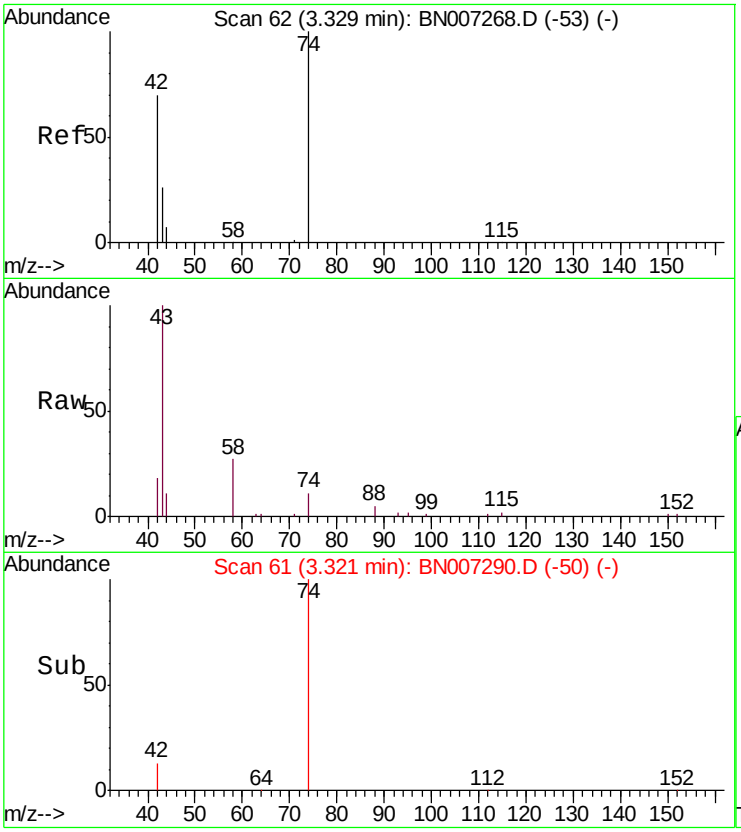


#2
1,4-Dioxane
Concen: 0.250 ng
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion: 88 Resp: 2121

Ion	Ratio	Lower	Upper
88	100		
58	93.9	45.5	68.3#
43	0.0	20.4	30.6#



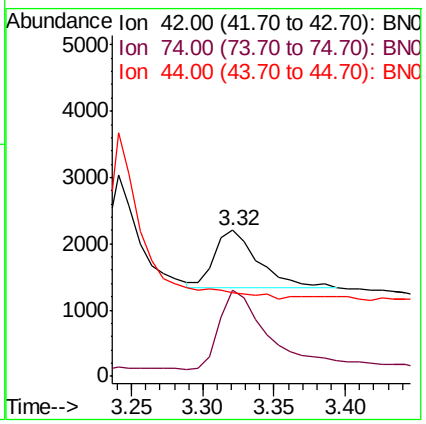


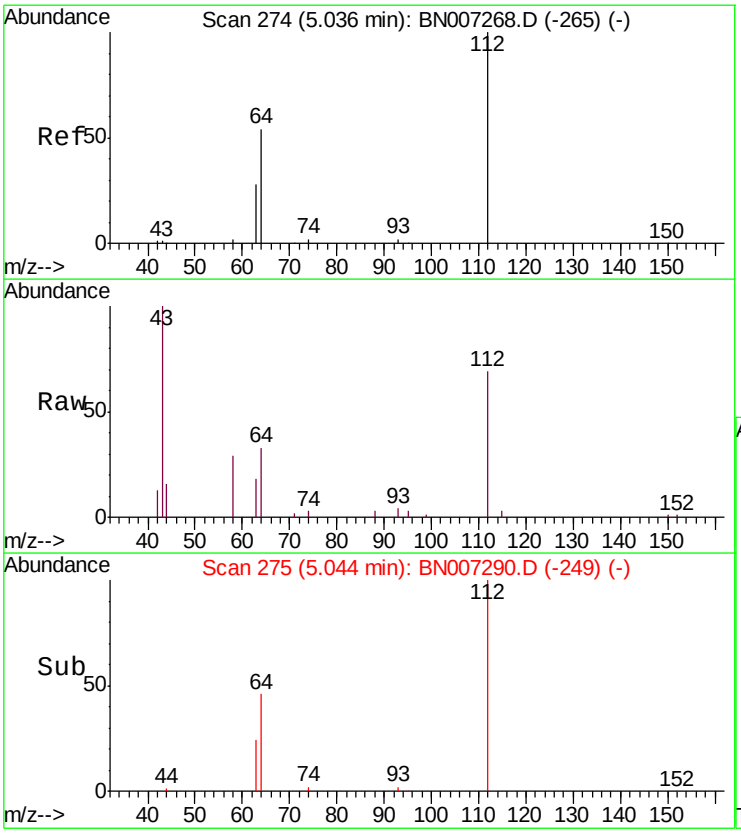
#3
n-Nitrosodimethylamine
Concen: 0.330 ng
RT: 3.32 min Scan# 61
Delta R.T. -0.01 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 42 Resp: 1879

Ion	Ratio	Lower	Upper
42	100		
74	149.7	109.0	163.4
44	0.0	4.2	6.2#

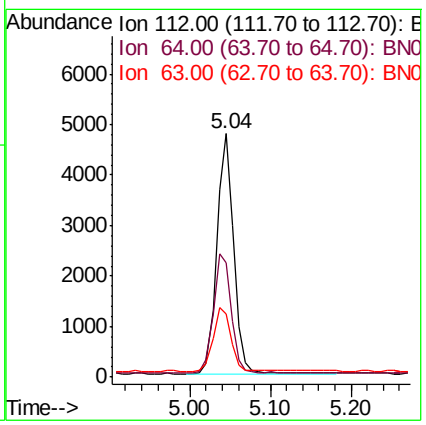


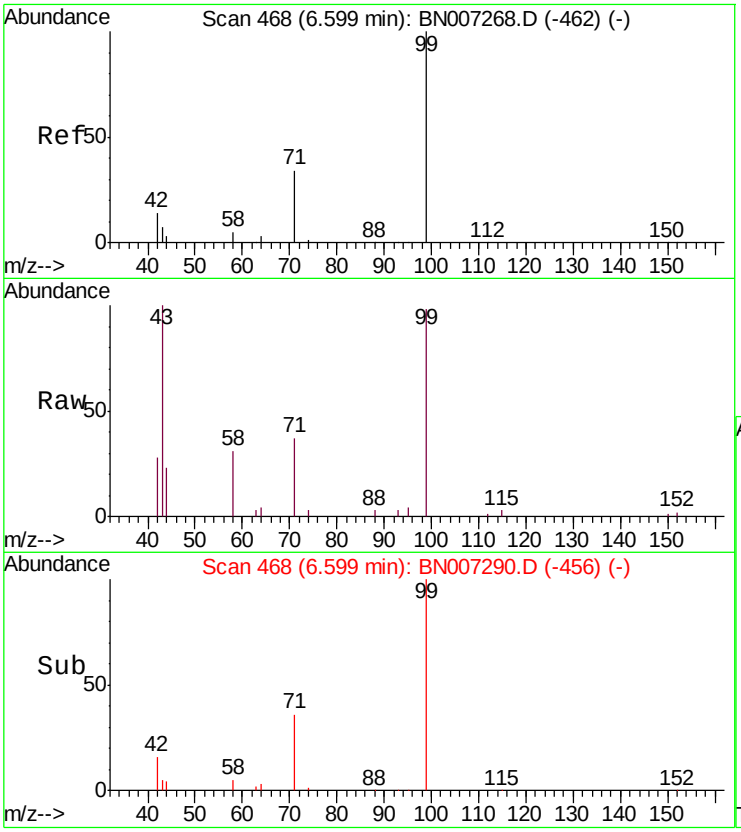


#4
2-Fluorophenol
Concen: 0.378 ng
RT: 5.04 min Scan# 275
Delta R.T. 0.01 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:112 Resp: 6888

Ion	Ratio	Lower	Upper
112	100		
64	52.2	41.8	62.8
63	27.7	22.6	34.0



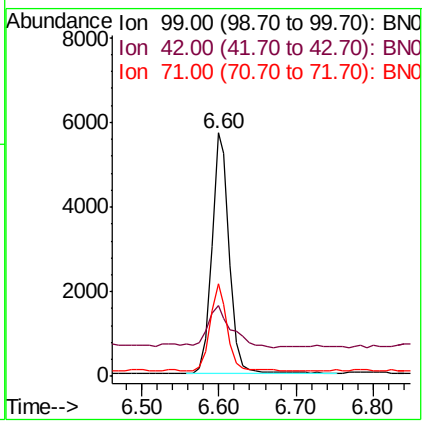


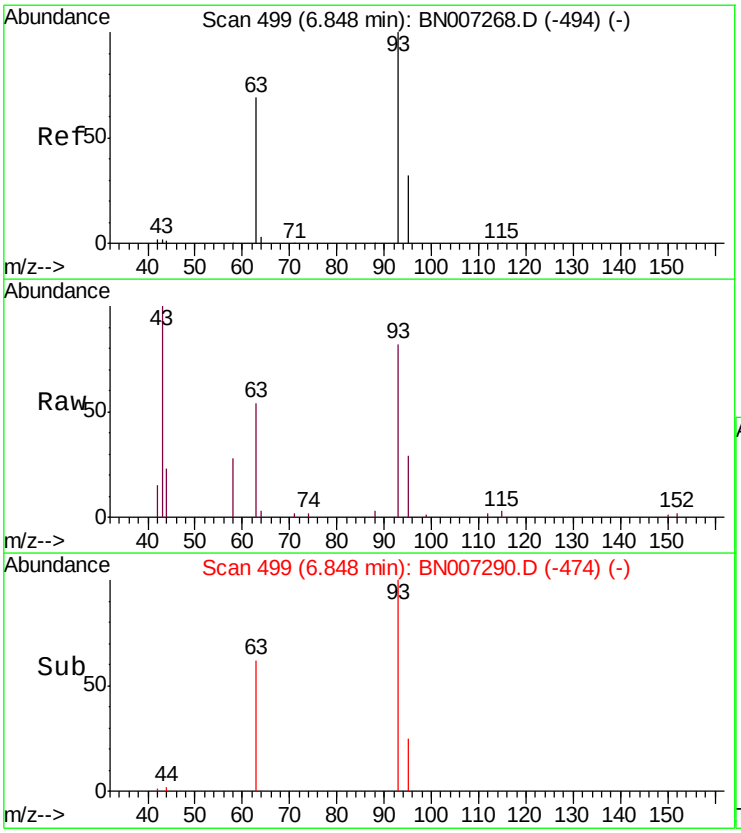
#5
Phenol-d6
Concen: 0.431 ng
RT: 6.60 min Scan# 468
Delta R.T. 0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 9029

Ion	Ratio	Lower	Upper
99	100		
42	23.4	14.3	21.5#
71	35.2	27.3	40.9

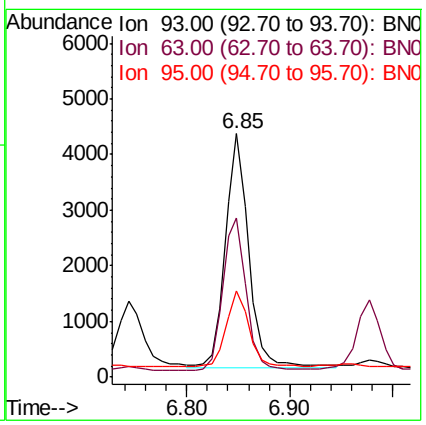


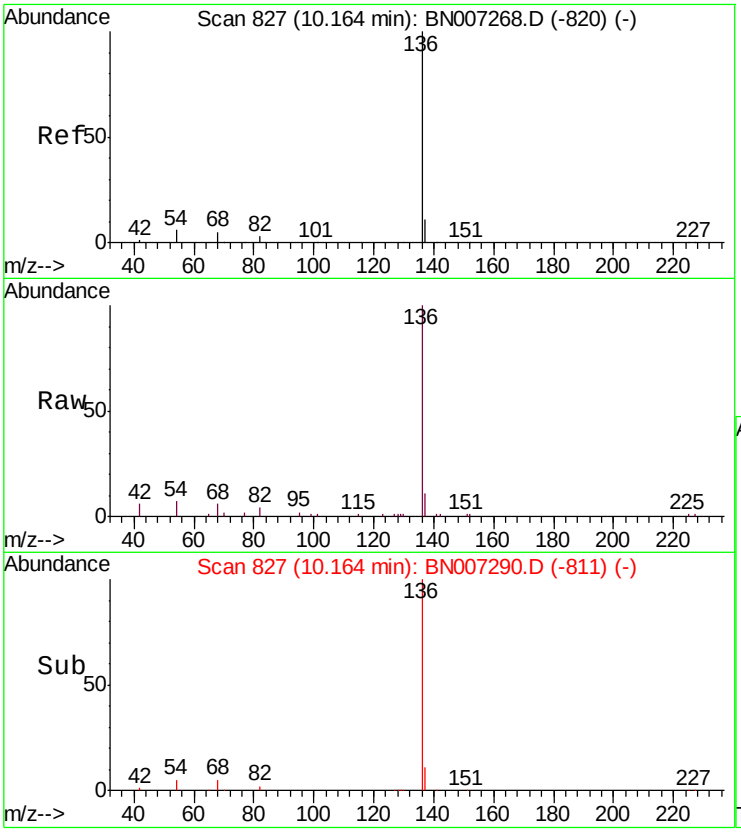


#6
bis(2-Chloroethyl)ether
Concen: 0.374 ng
RT: 6.85 min Scan# 499
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion: 93 Resp: 6613

Ion	Ratio	Lower	Upper
93	100		
63	66.1	54.4	81.6
95	31.3	25.5	38.3



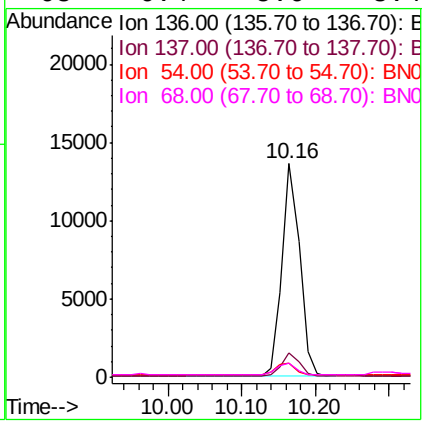


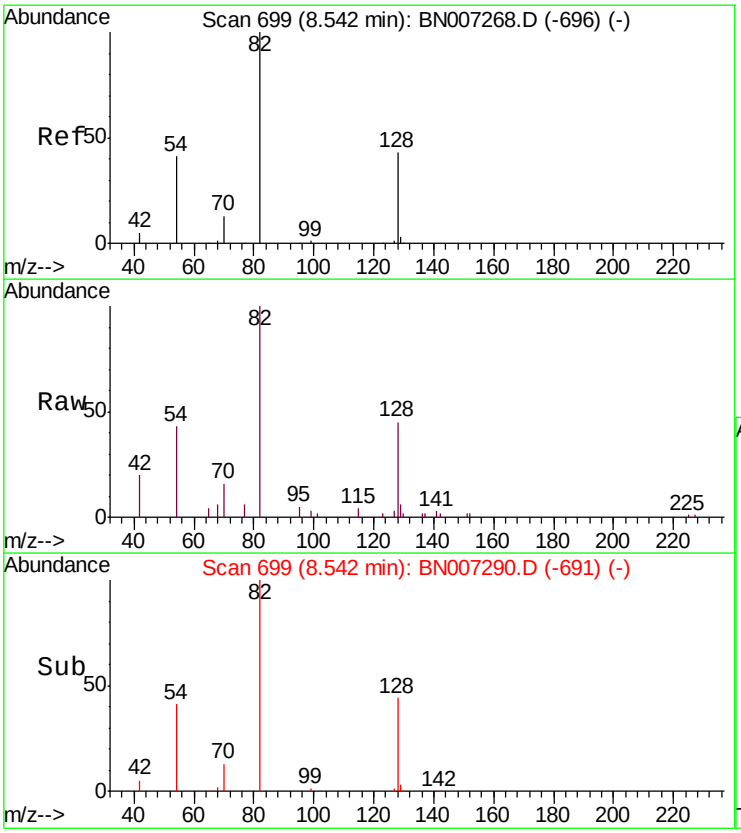
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 827
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 22746

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.6	5.9	8.9
68	6.4	5.6	8.4

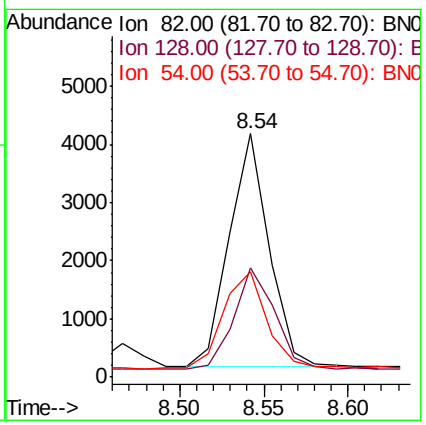


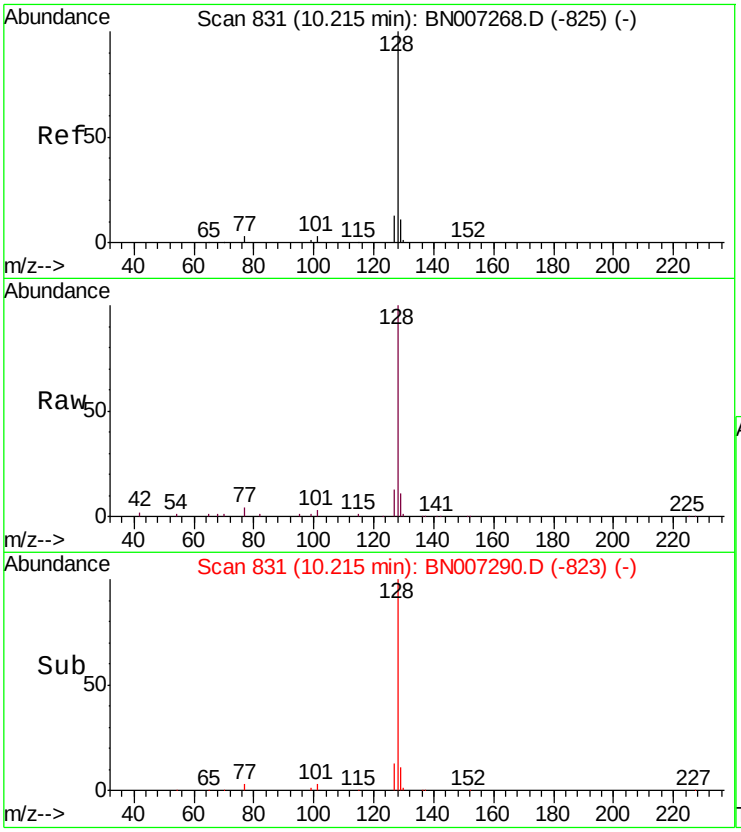


#8
Nitrobenzene-d5
Concen: 0.380 ng
RT: 8.54 min Scan# 699
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion: 82 Resp: 6630

Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.8	53.6
54	43.1	34.7	52.1



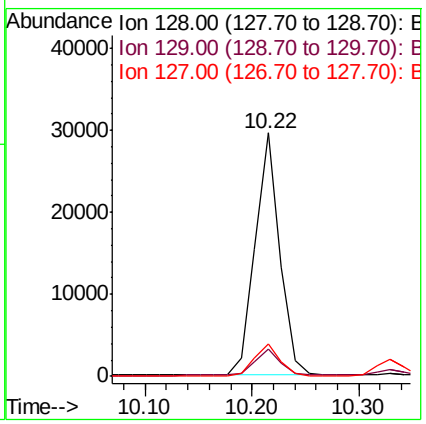


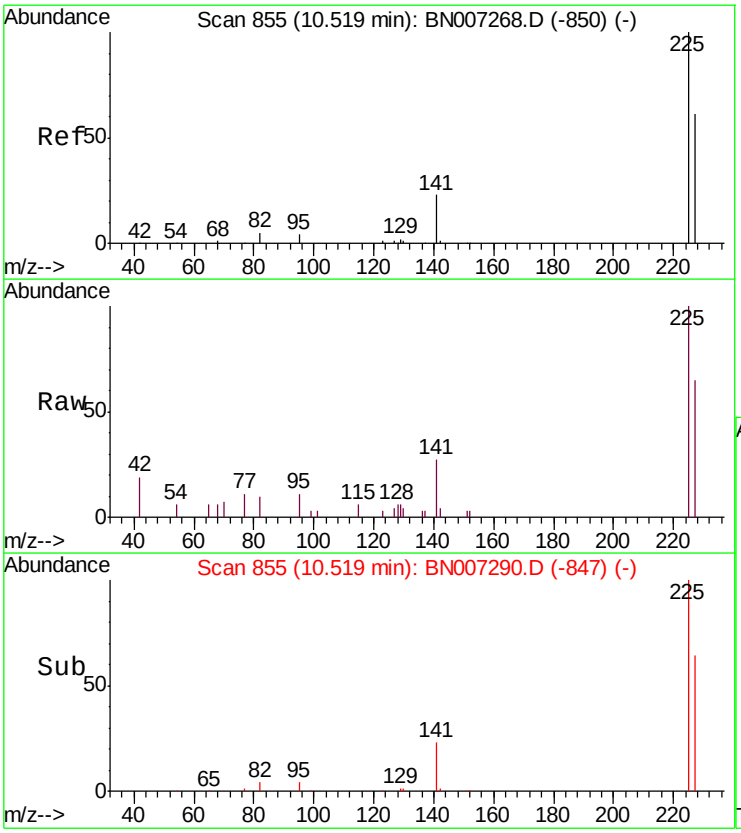
#9
Naphthalene
Concen: 0.738 ng
RT: 10.22 min Scan# 831
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 47558

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.2	10.6	16.0

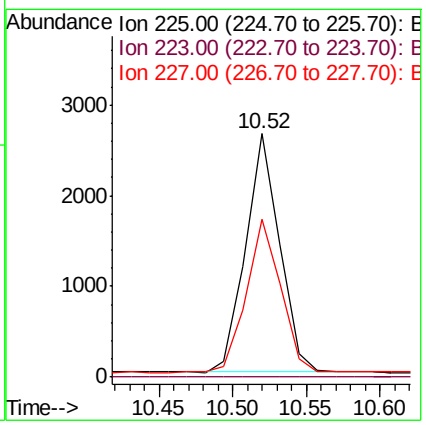


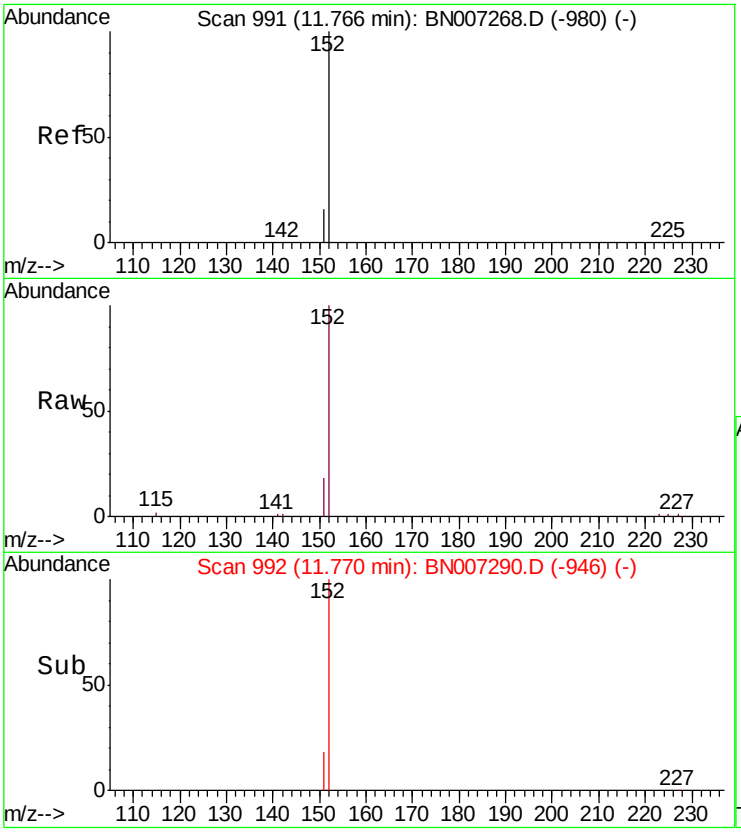


#10
Hexachlorobutadiene
Concen: 0.296 ng
RT: 10.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:225 Resp: 4203

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.0	50.2	75.2



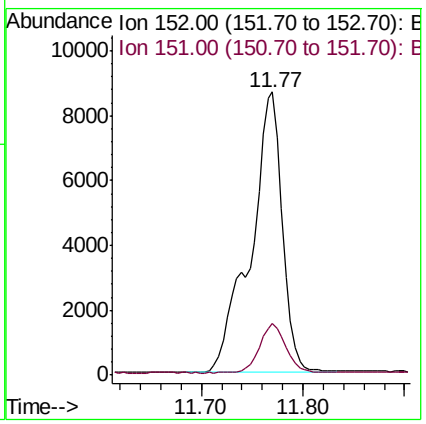


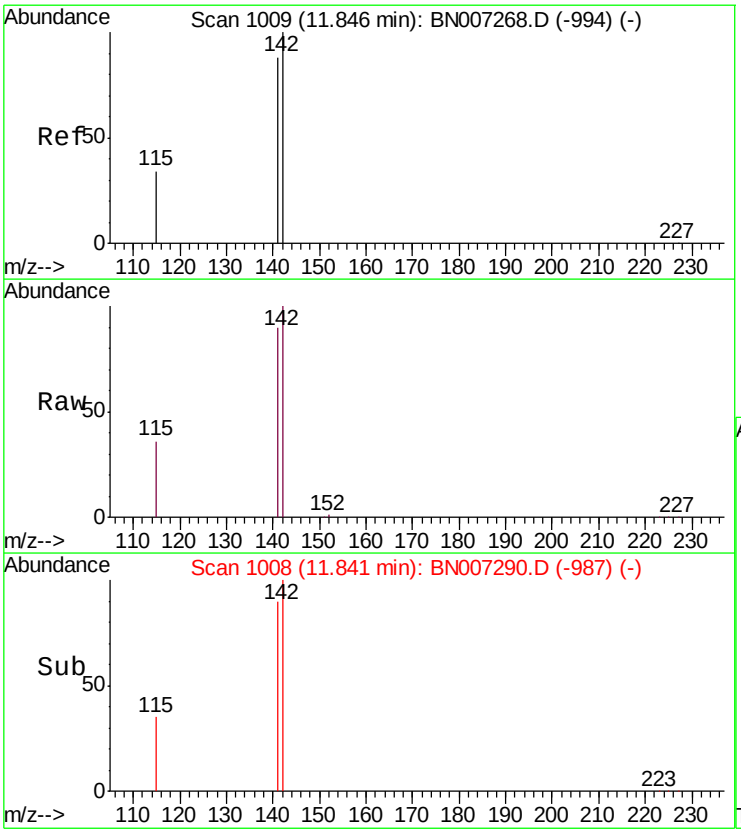
#11
2-Methylnaphthalene-d10
Concen: 0.478 ng
RT: 11.77 min Scan# 992
Delta R.T. 0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 18773

Ion	Ratio	Lower	Upper
152	100		
151	14.6	15.2	22.8#

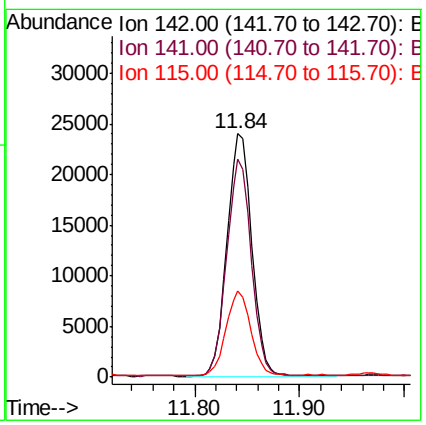


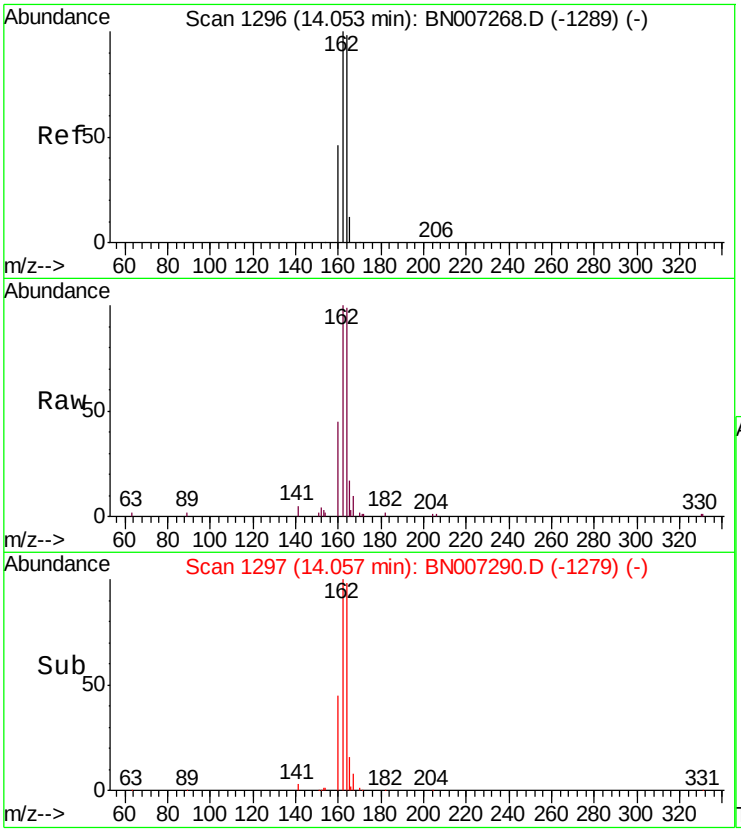


#12
2-Methylnaphthalene
Concen: 0.880 ng
RT: 11.84 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:142 Resp: 39284

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.7	106.1
115	35.6	28.1	42.1



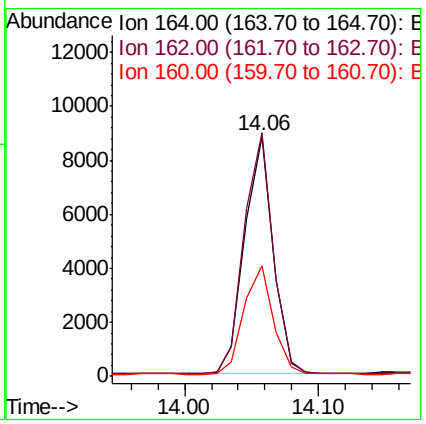


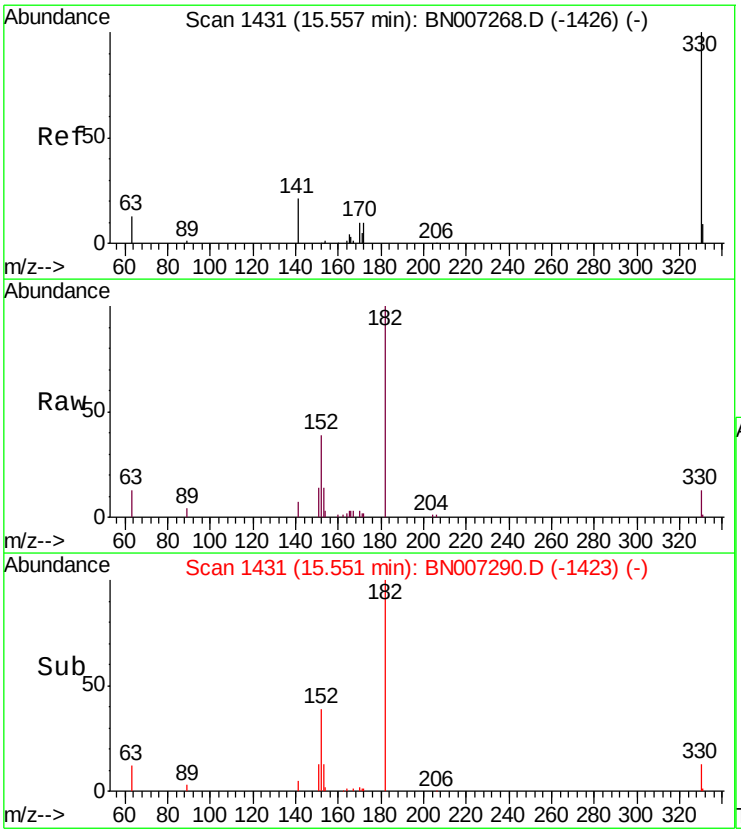
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 13067

Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.0	123.0
160	45.8	38.2	57.4

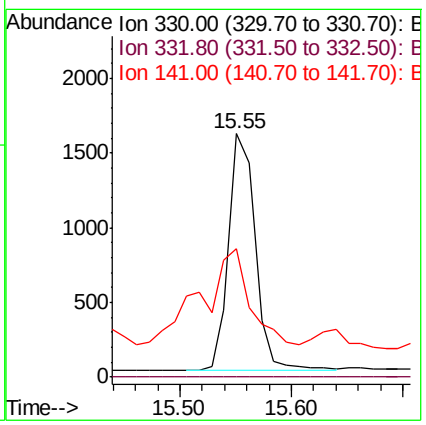


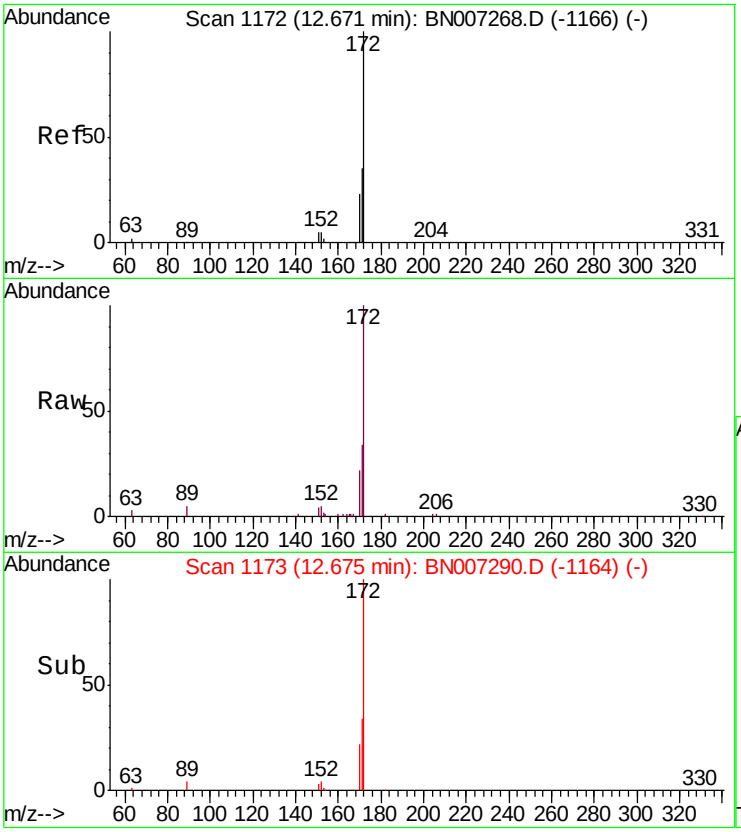


#14
2,4,6-Tribromophenol
Concen: 0.353 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:330 Resp: 2590

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	70.5	30.3	45.5#



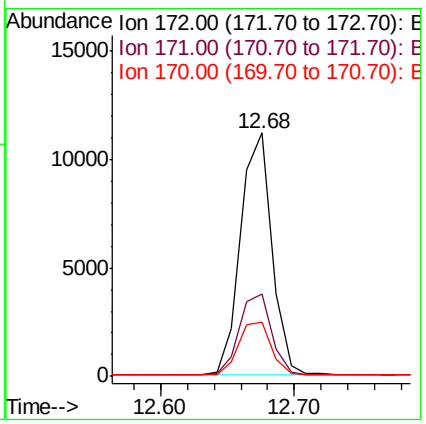


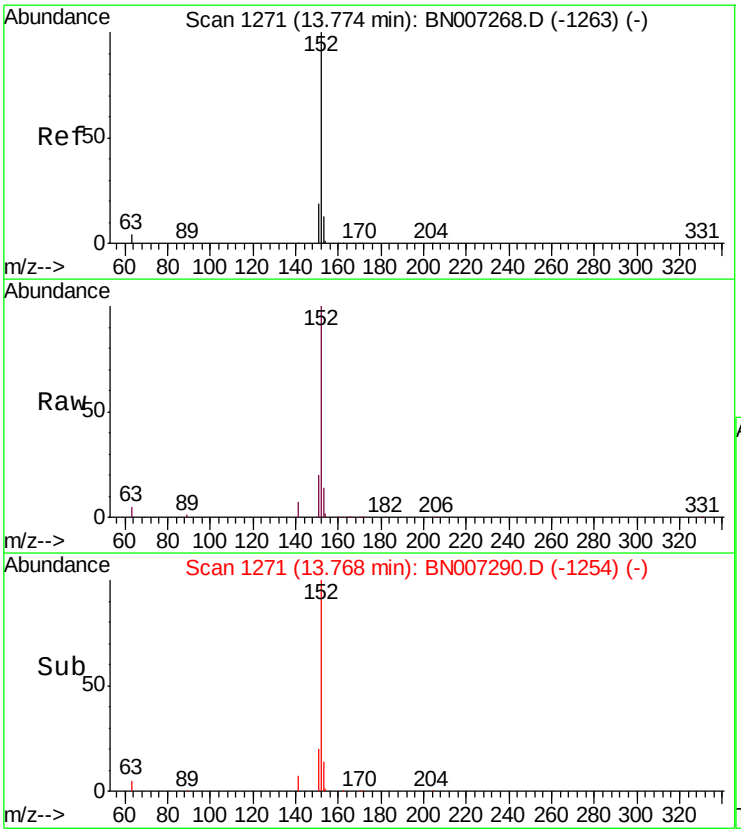
#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 12.68 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 18258

Ion	Ratio	Lower	Upper
172	100		
171	33.9	28.6	43.0
170	22.2	18.7	28.1

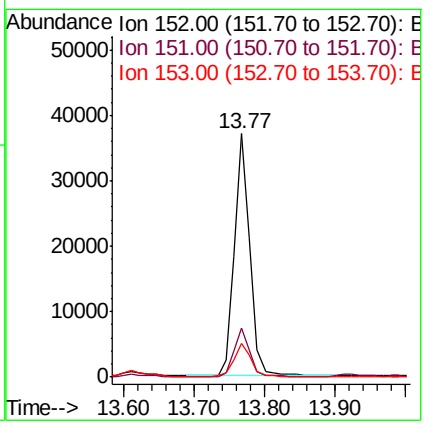


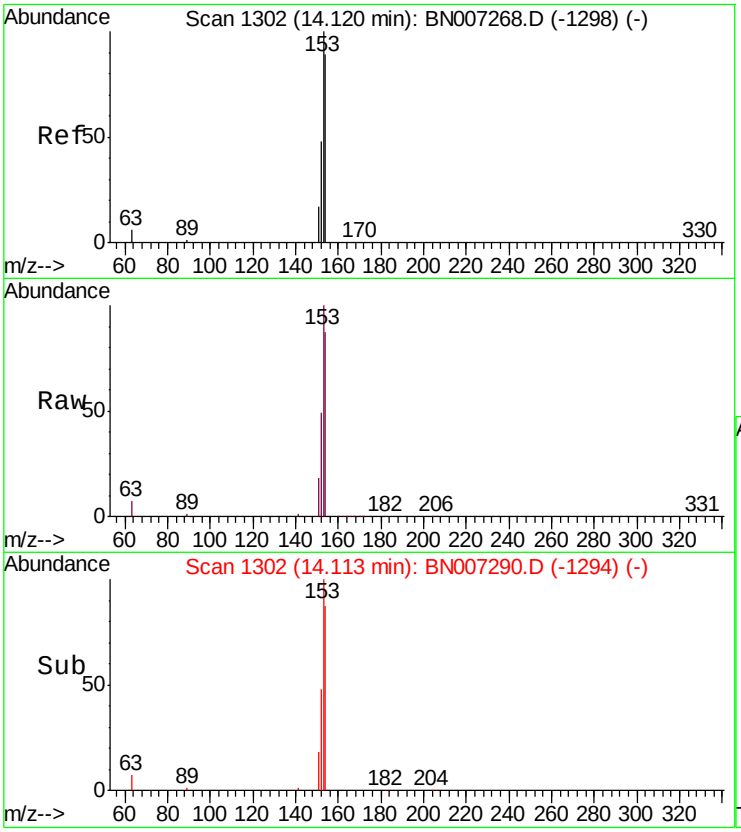


#16
Acenaphthylene
Concen: 0.828 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:152 Resp: 57382

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.4	23.2
153	14.4	10.1	15.1



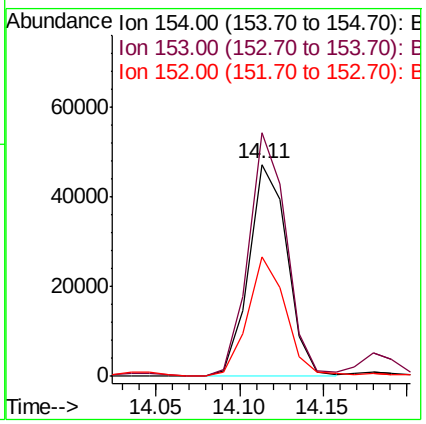


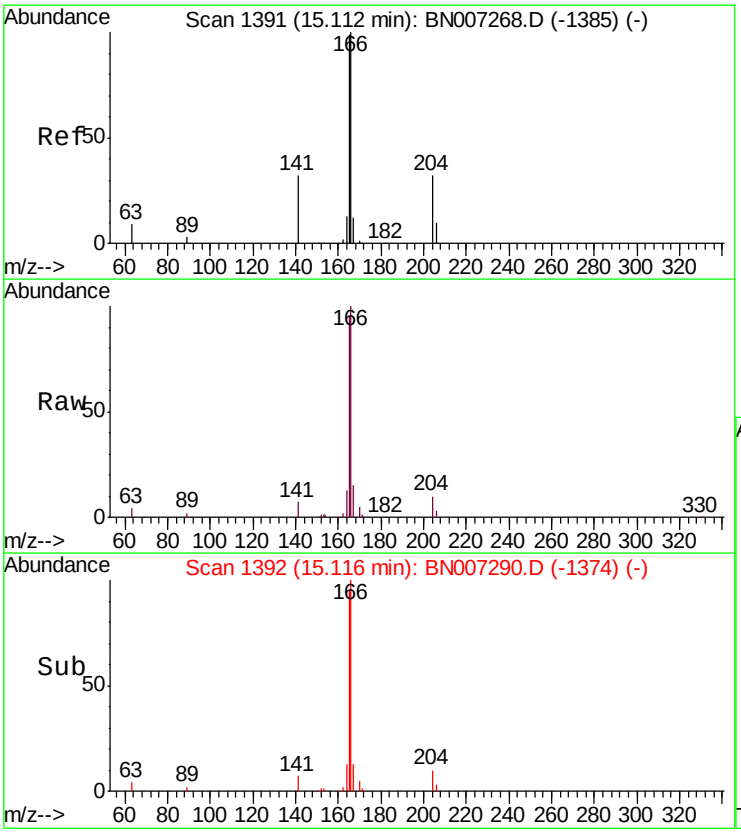
#17
Acenaphthene
Concen: 1.699 ng
RT: 14.11 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 75036

Ion	Ratio	Lower	Upper
154	100		
153	113.2	89.9	134.9
152	55.7	43.9	65.9

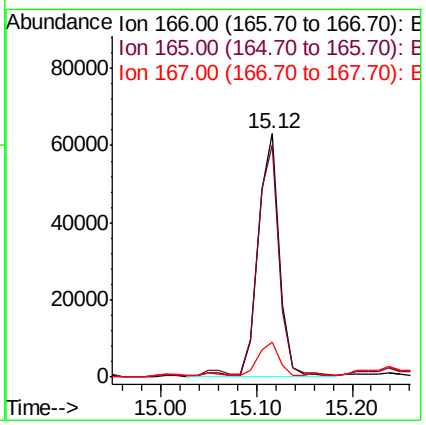


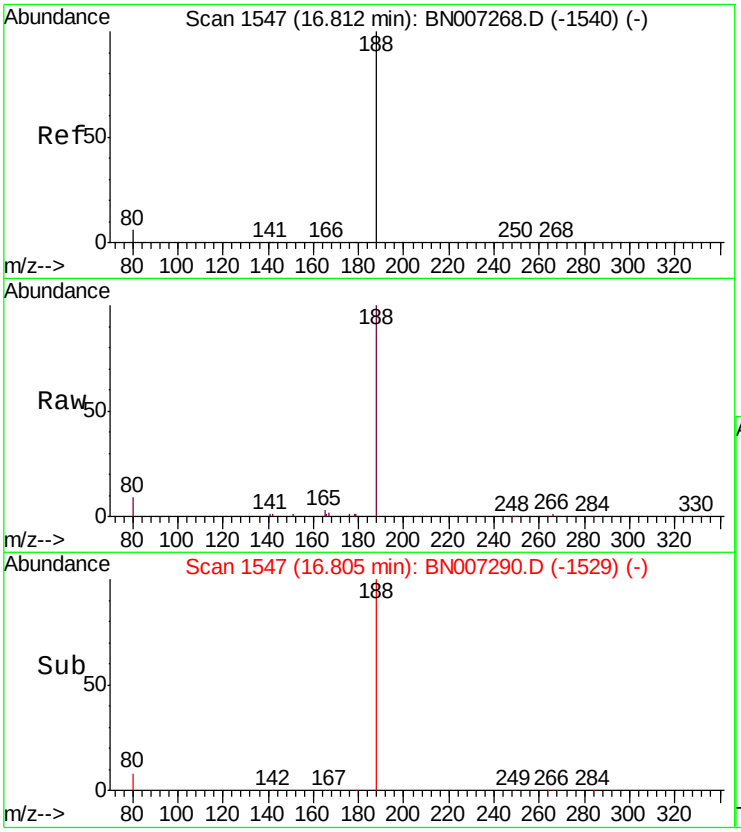


#18
Fluorene
Concen: 1.688 ng
RT: 15.12 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:166 Resp: 97406

Ion	Ratio	Lower	Upper
166	100		
165	94.7	78.3	117.5
167	14.1	11.1	16.7



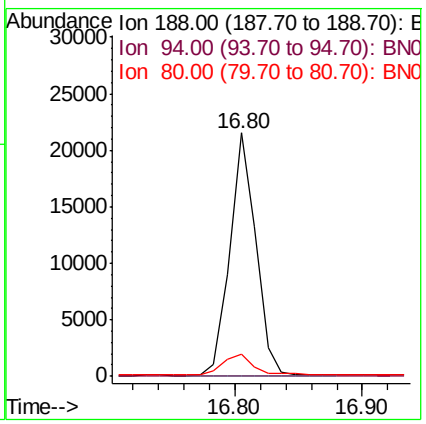


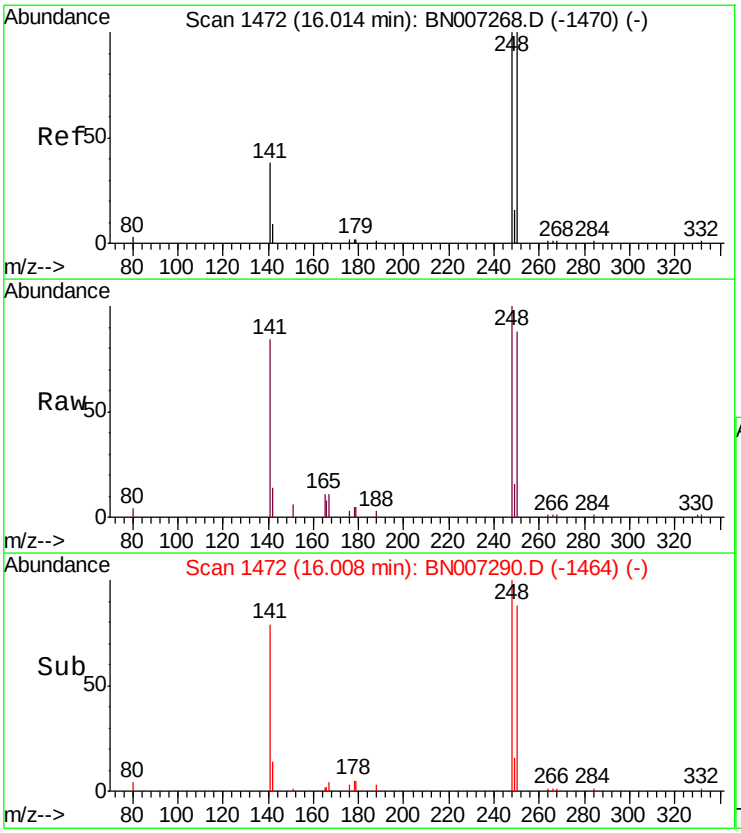
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 30307

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	5.2	7.8#

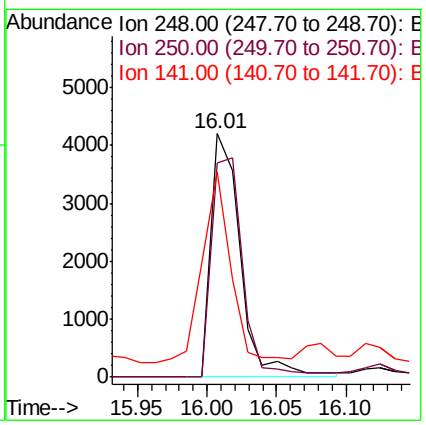


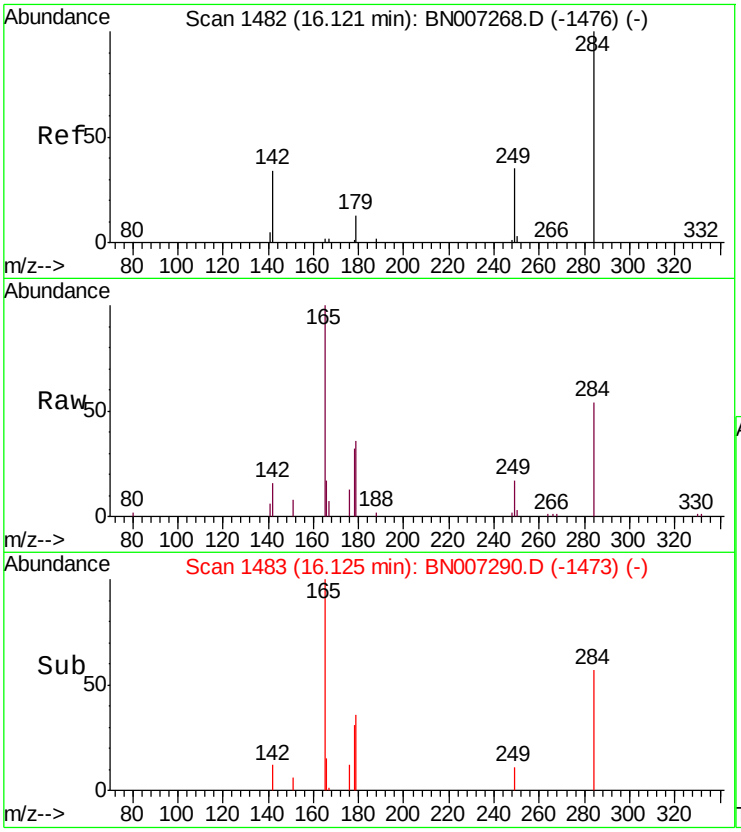


#20
4-Bromophenyl-phenylether
Concen: 0.350 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:248 Resp: 6084

Ion	Ratio	Lower	Upper
248	100		
250	87.9	79.6	119.4
141	84.4	45.1	67.7#



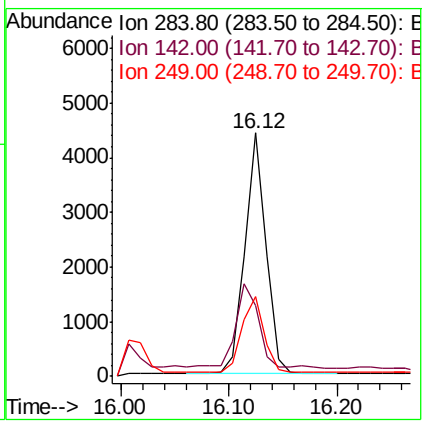


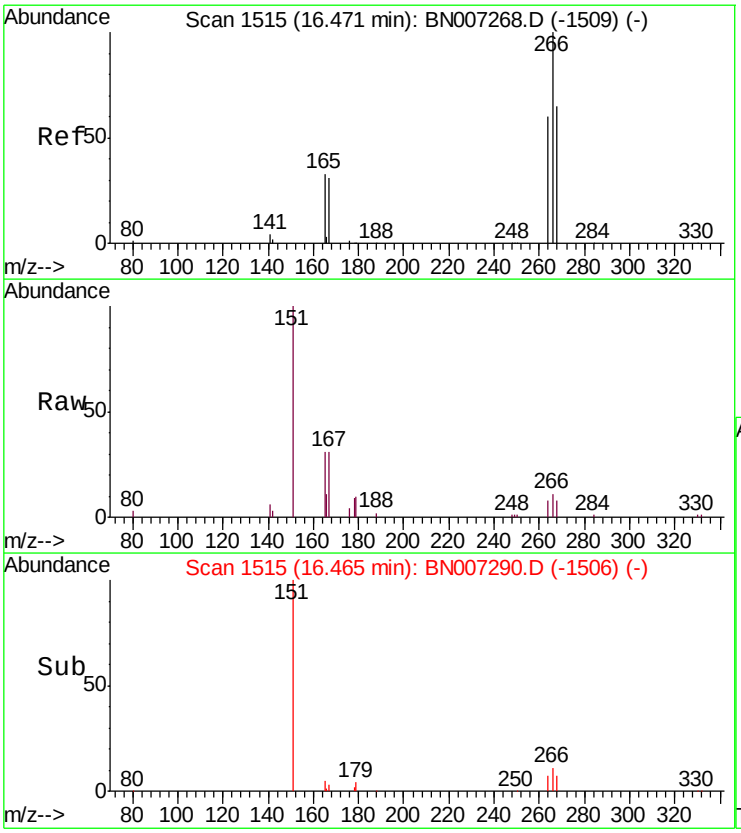
#21
Hexachlorobenzene
Concen: 0.295 ng
RT: 16.12 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:284 Resp: 5918

Ion	Ratio	Lower	Upper
284	100		
142	36.9	29.5	44.3
249	33.4	26.2	39.4

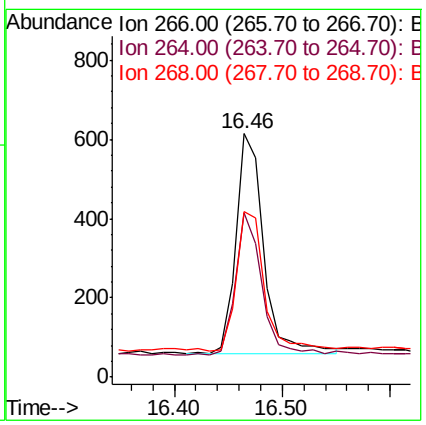


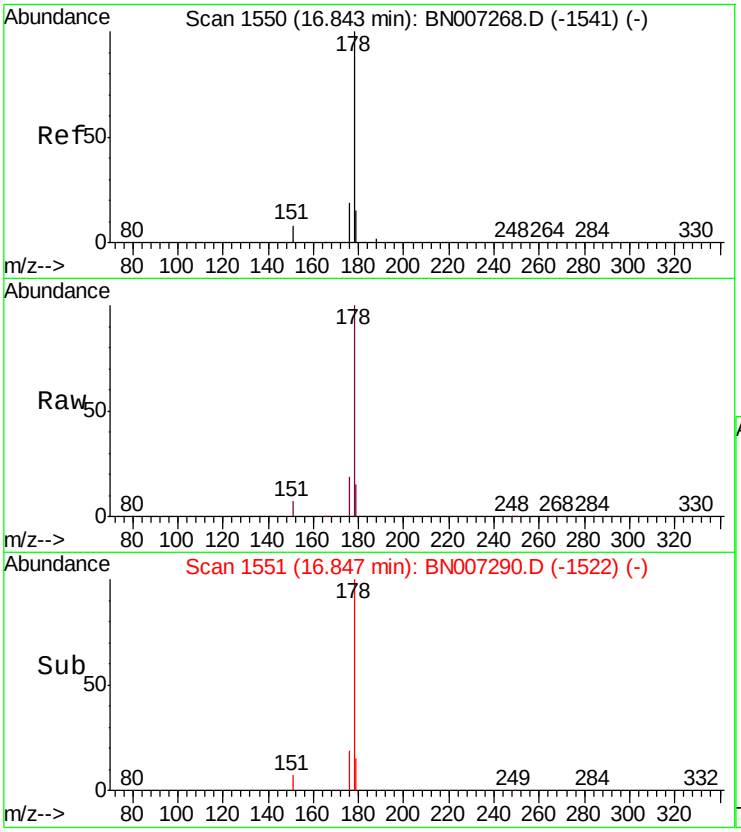


#22
Pentachlorophenol
Concen: 0.122 ng
RT: 16.46 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:266 Resp: 985

Ion	Ratio	Lower	Upper
266	100		
264	67.4	48.7	73.1
268	68.1	53.5	80.3



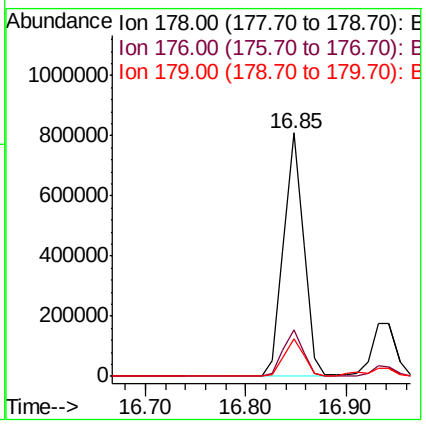


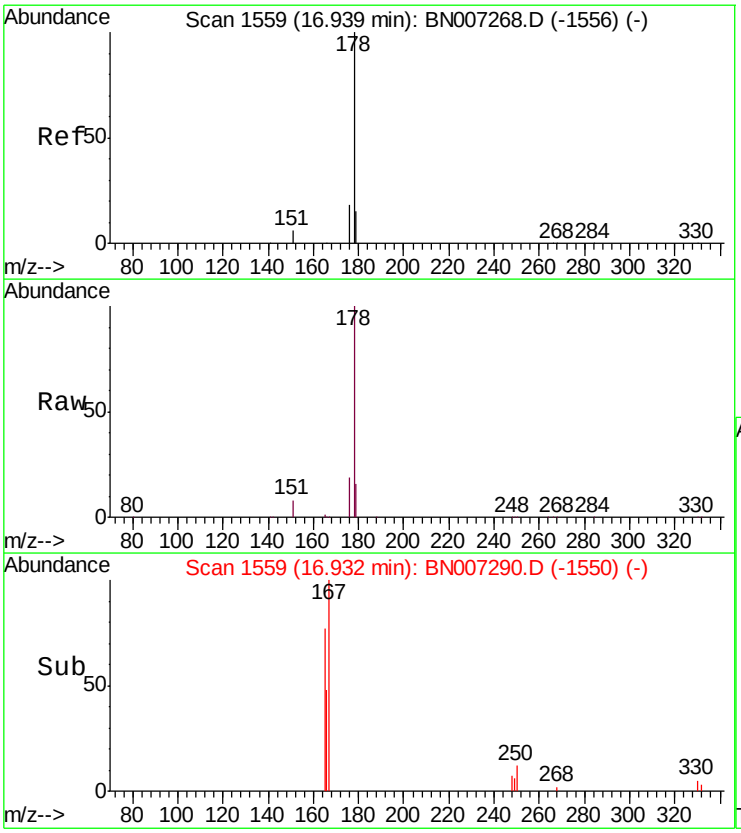
#23
Phenanthrene
Concen: 11.958 ng
RT: 16.85 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 1135891

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.4	12.3	18.5

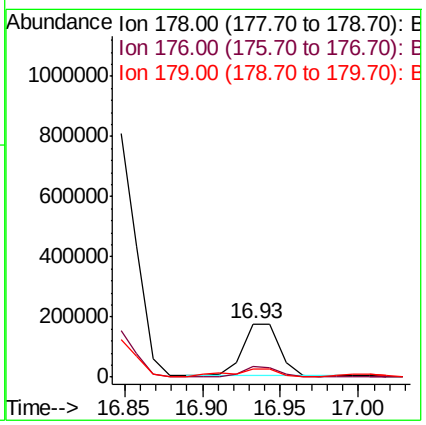


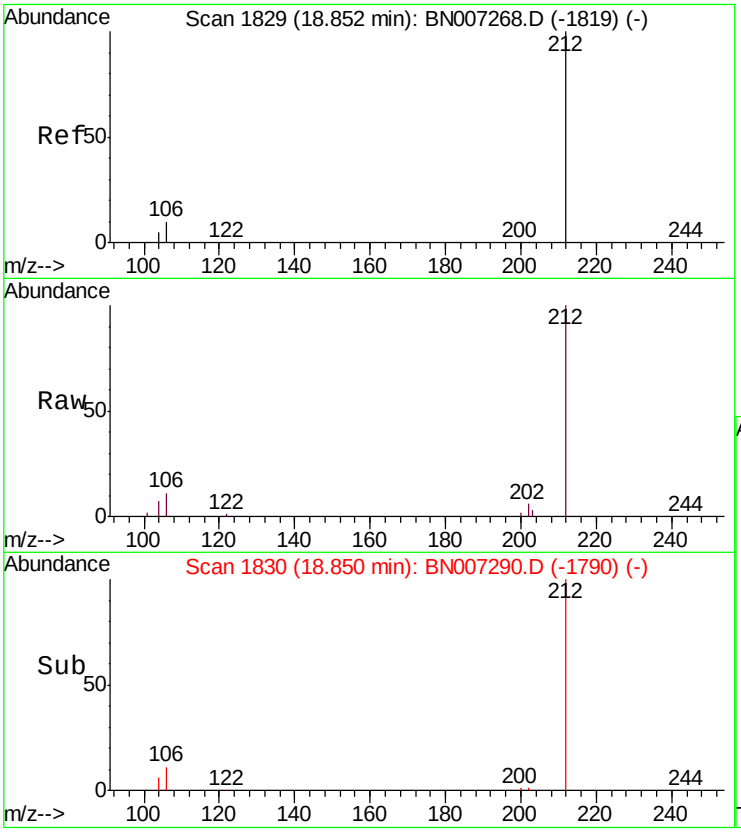


#24
Anthracene
Concen: 3.281 ng
RT: 16.93 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:178 Resp: 280654

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.3	21.5
179	21.0	12.3	18.5#



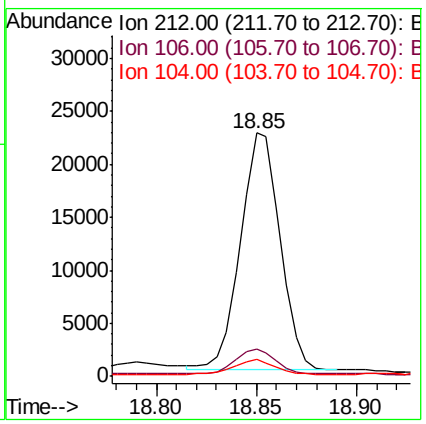


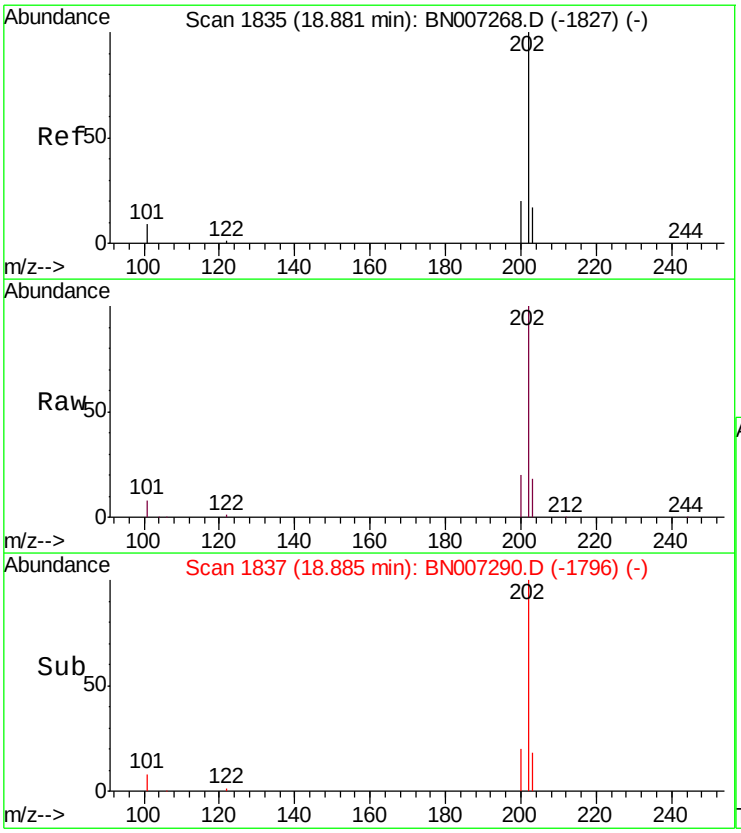
#25
Fluoranthene-d10
Concen: 0.319 ng
RT: 18.85 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 30629

Ion	Ratio	Lower	Upper
212	100		
106	10.5	8.2	12.4
104	6.5	4.7	7.1

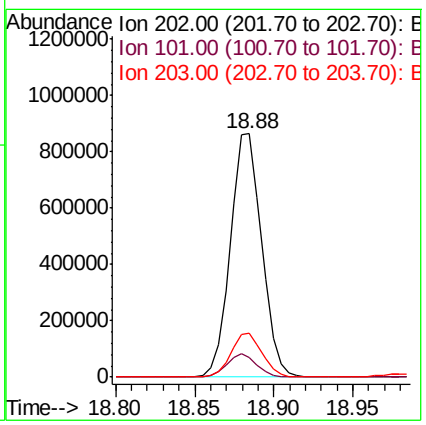


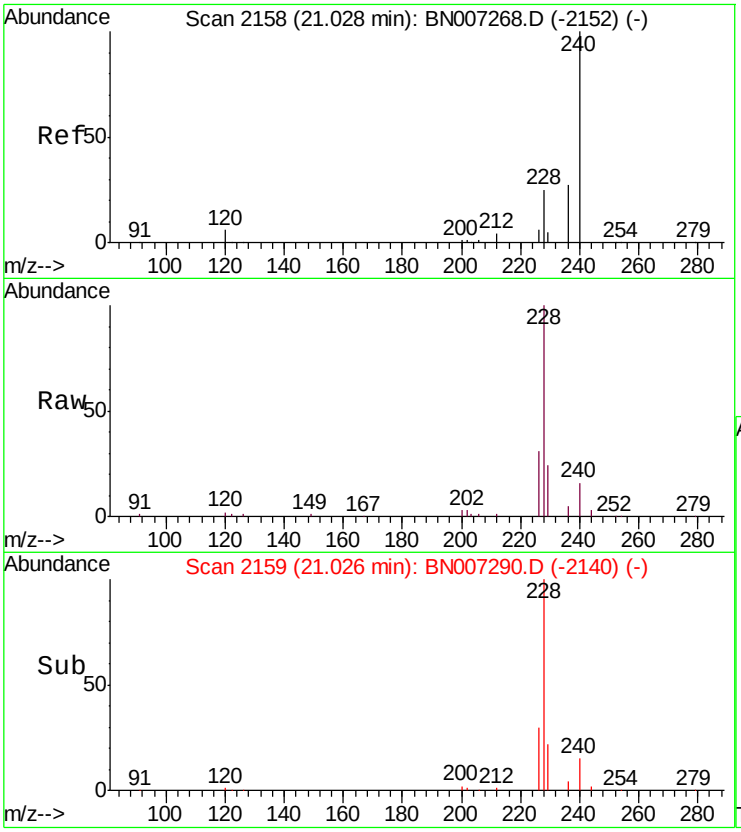


#26
Fluoranthene
Concen: 10.325 ng
RT: 18.88 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:202 Resp: 1187976

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.2	10.8
203	17.6	13.8	20.6



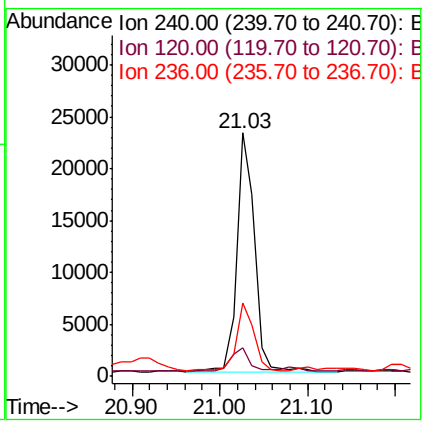


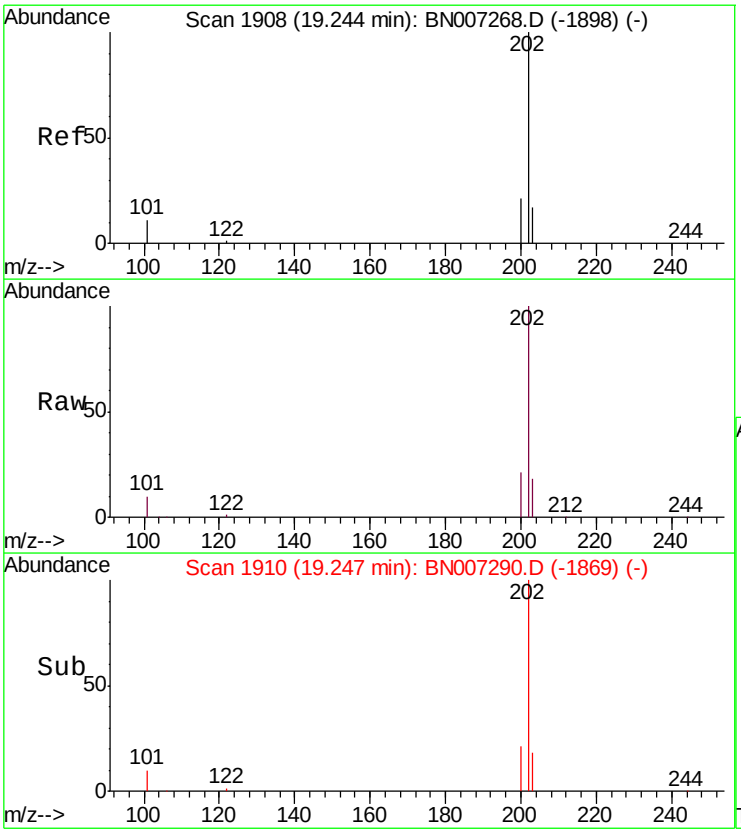
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2159
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 32143

Ion	Ratio	Lower	Upper
240	100		
120	11.7	5.6	8.4#
236	30.0	21.6	32.4

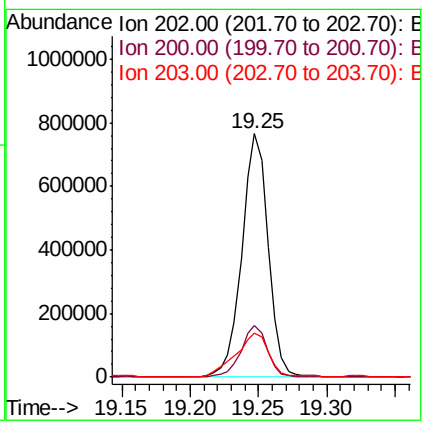


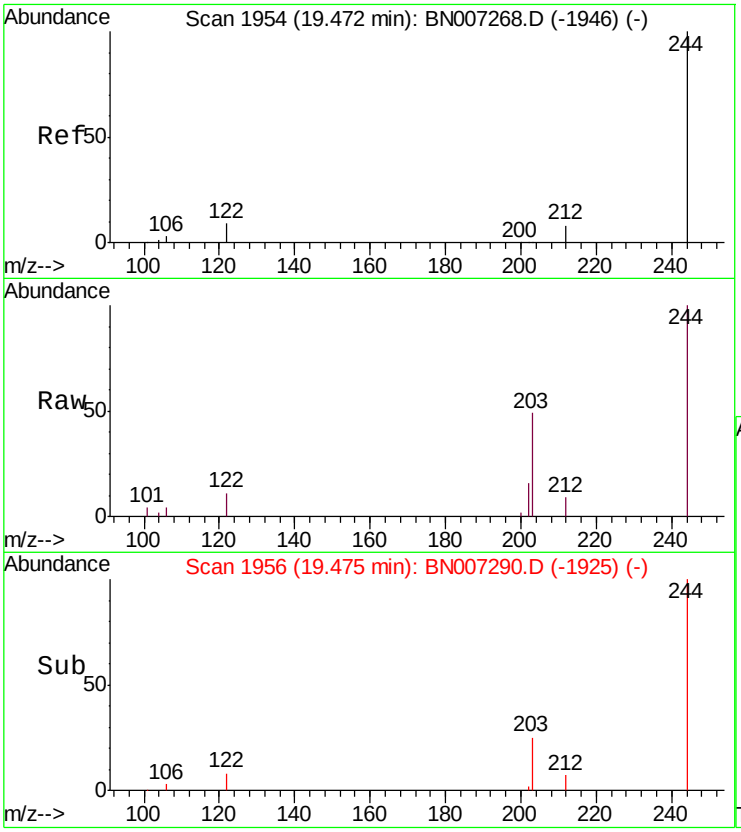


#28
Pyrene
Concen: 8.474 ng
RT: 19.25 min Scan# 1910
Delta R.T. 0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:202 Resp: 1018611

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	22.8	13.9	20.9#



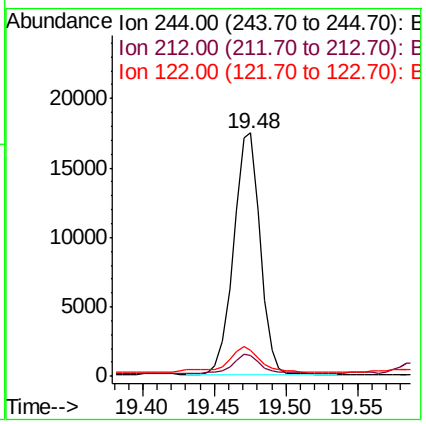


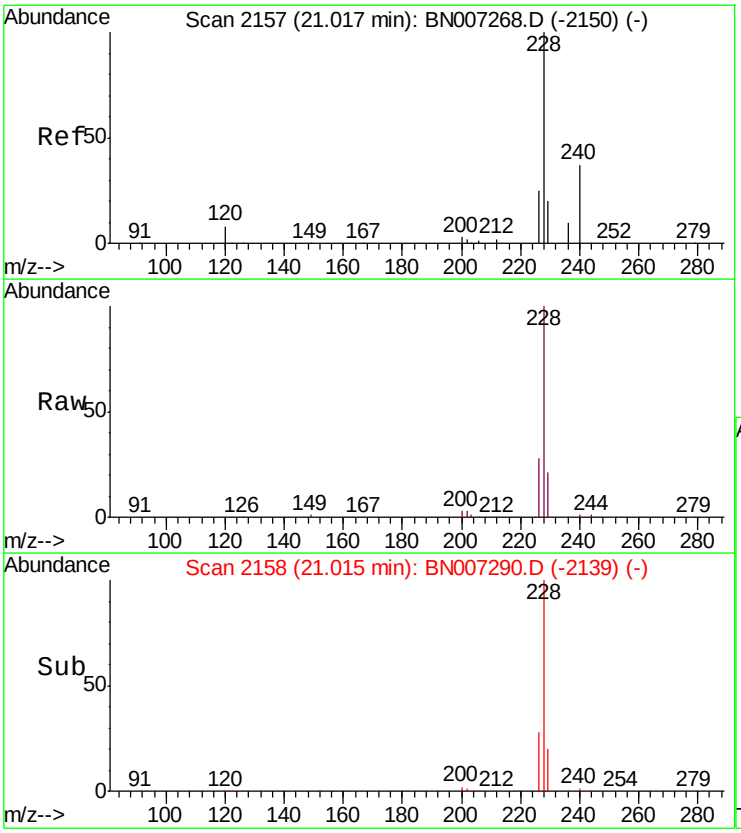
#29
Terphenyl-d14
Concen: 0.279 ng
RT: 19.48 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 22442

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.5	9.7
122	10.6	7.9	11.9

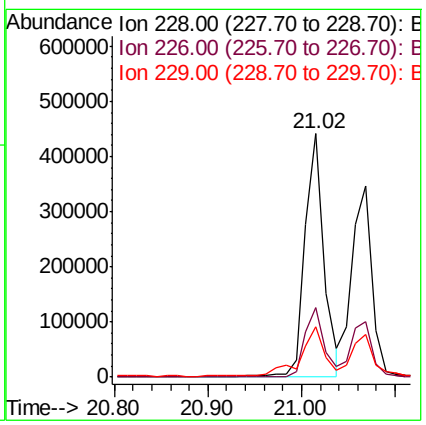


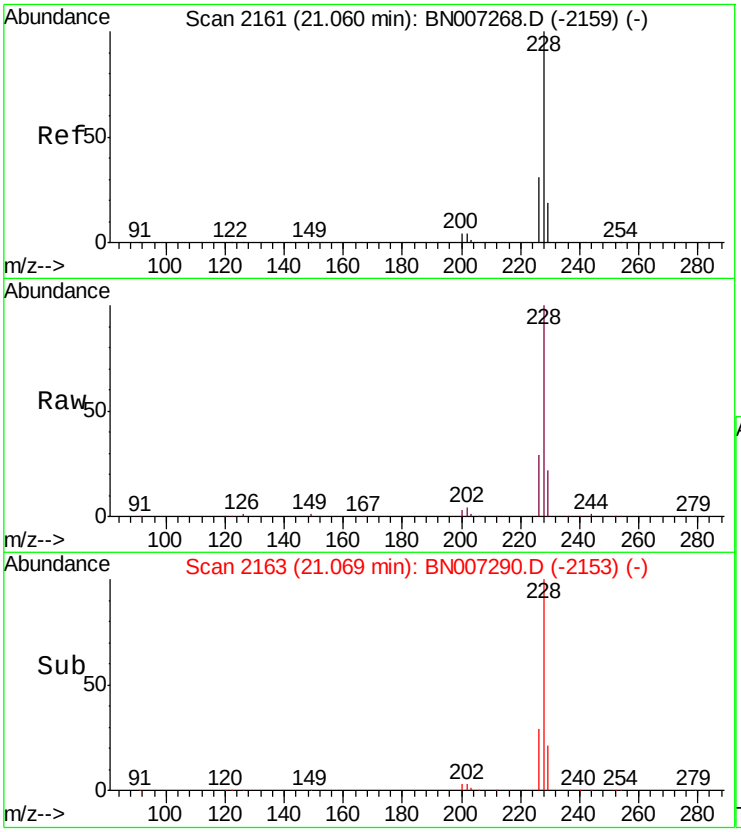


#30
Benzo(a)anthracene
Concen: 5.151 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:228 Resp: 615612

Ion	Ratio	Lower	Upper
228	100		
226	28.3	20.6	30.8
229	20.7	16.9	25.3



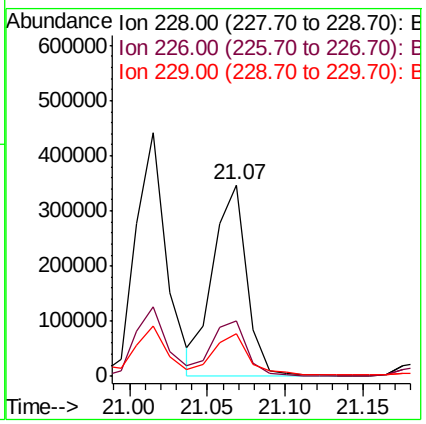


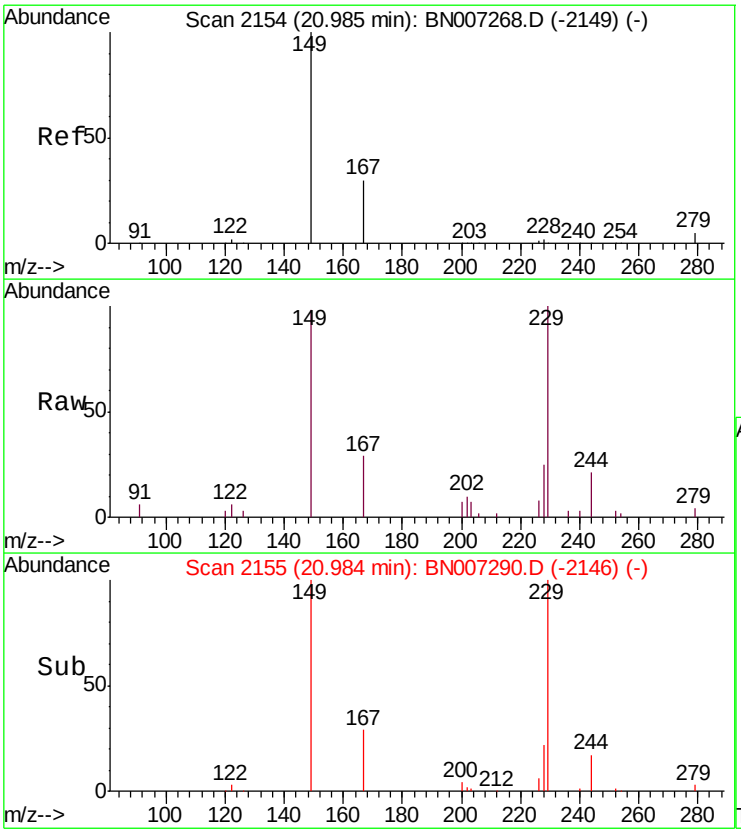
#31
Chrysene
Concen: 4.195 ng
RT: 21.07 min Scan# 2163
Delta R.T. 0.01 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 511722

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.6	36.8
229	22.4	15.6	23.4

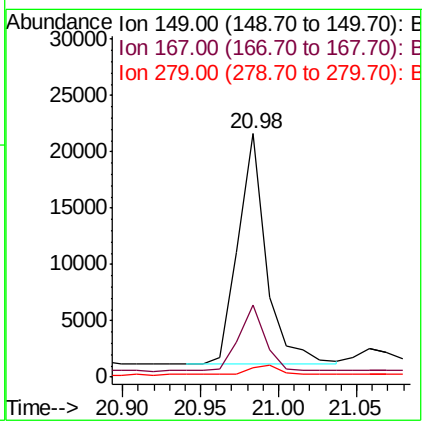


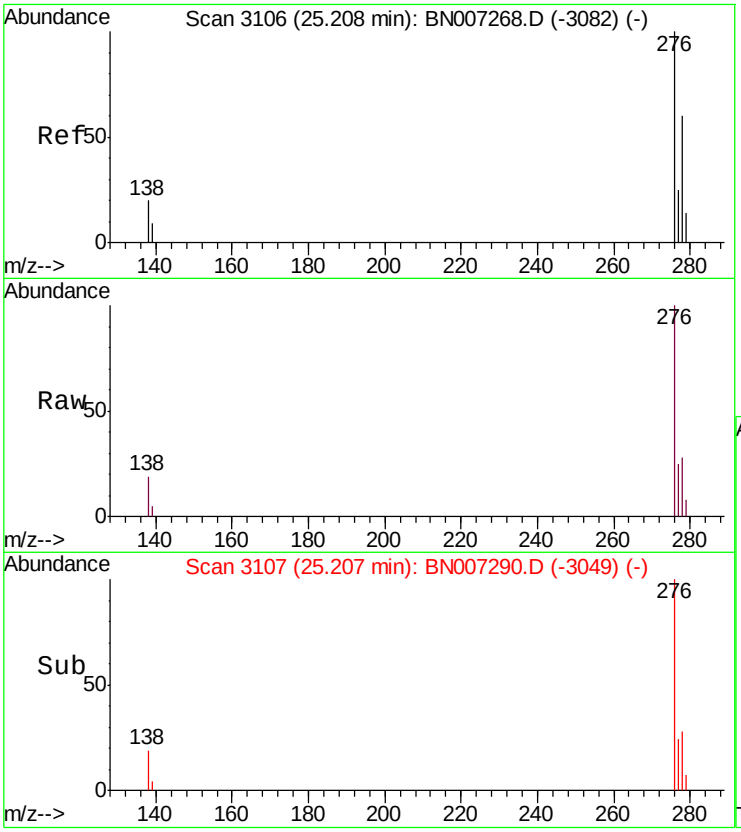


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.542 ng
RT: 20.98 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:149 Resp: 25867

Ion	Ratio	Lower	Upper
149	100		
167	27.0	23.8	35.6
279	4.3	3.8	5.8



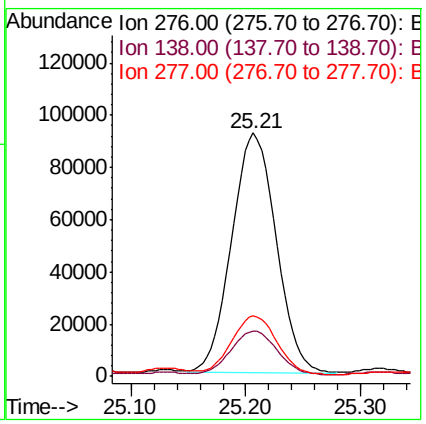


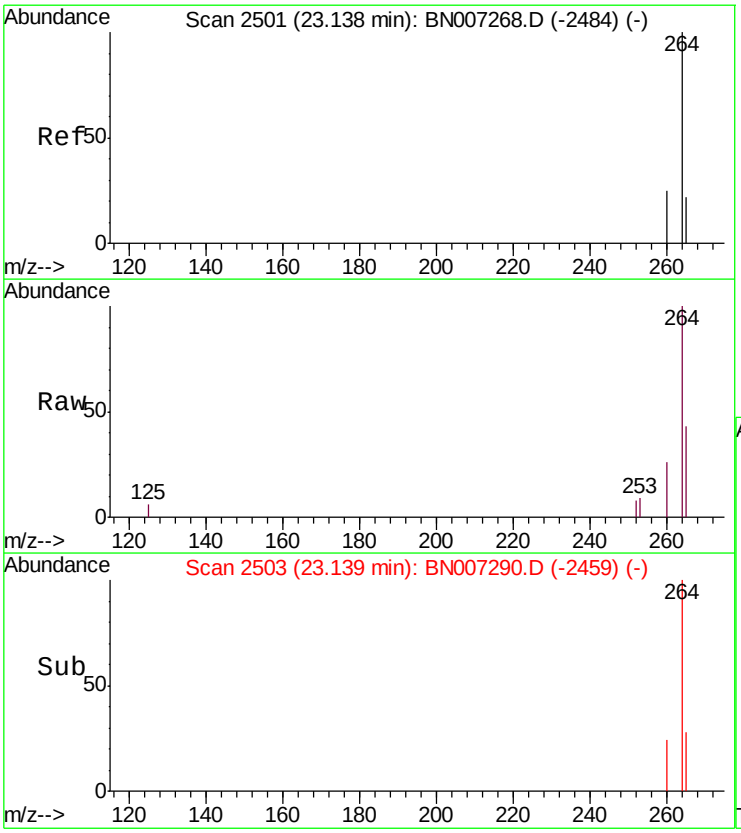
#33
Indeno(1,2,3-cd)pyrene
Concen: 1.683 ng
RT: 25.21 min Scan# 3107
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 247055

Ion	Ratio	Lower	Upper
276	100		
138	19.0	17.1	25.7
277	24.9	20.1	30.1

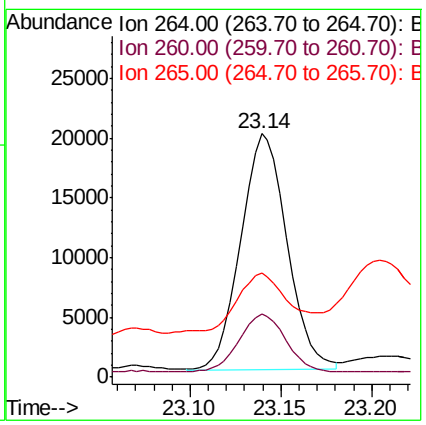


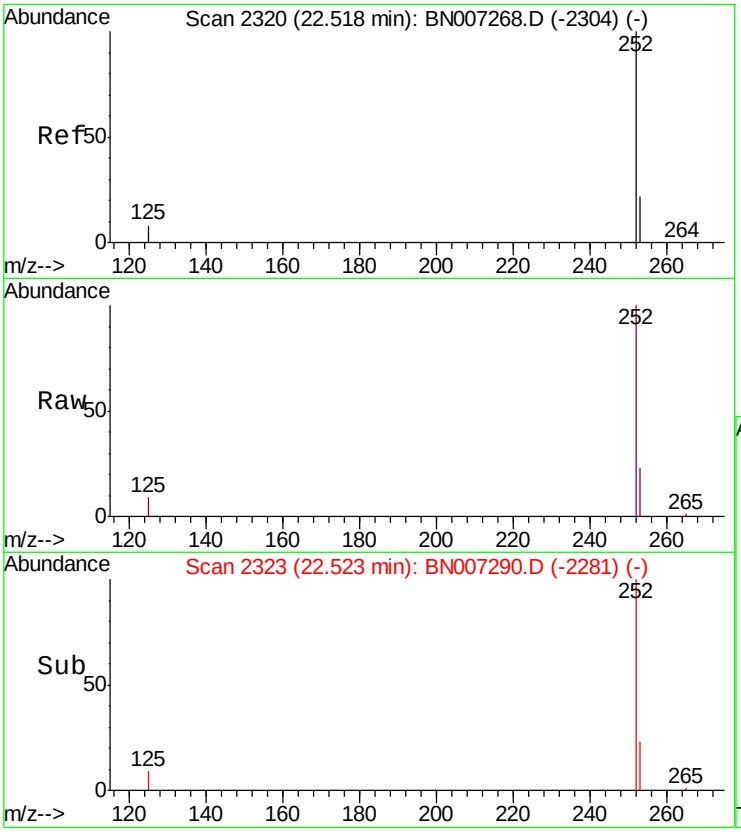


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.14 min Scan# 2503
Delta R.T. 0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:264 Resp: 34972

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.1	30.1
265	42.9	29.0	43.6



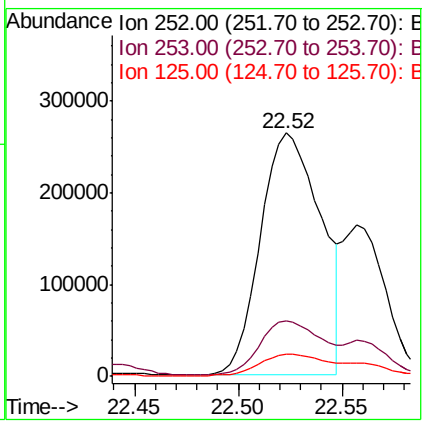


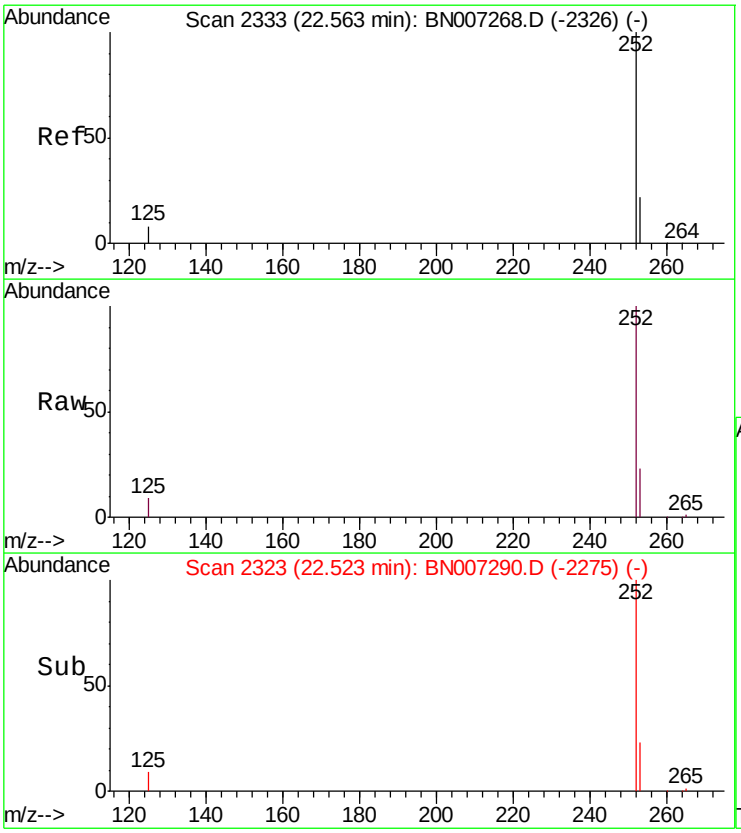
#35
Benzo(b)fluoranthene
Concen: 4.113 ng
RT: 22.52 min Scan# 2323
Delta R.T. 0.01 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 536273

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	8.9	7.8	11.6

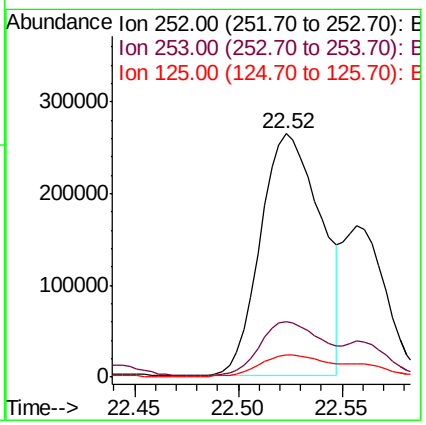


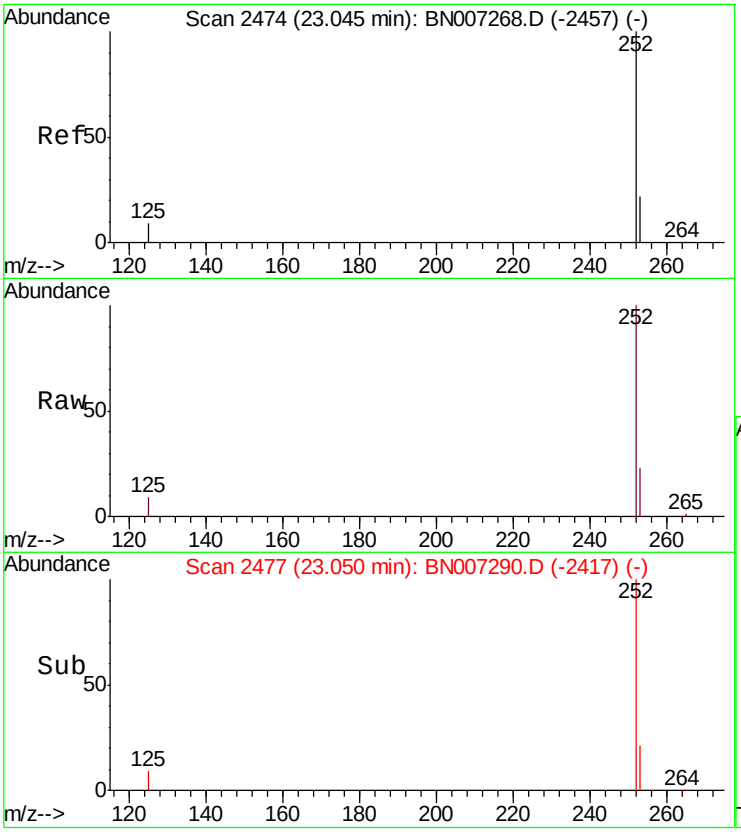


#36
Benzo(k)fluoranthene
Concen: 4.199 ng
RT: 22.52 min Scan# 2323
Delta R.T. -0.04 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:252 Resp: 536273

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	8.9	8.0	12.0



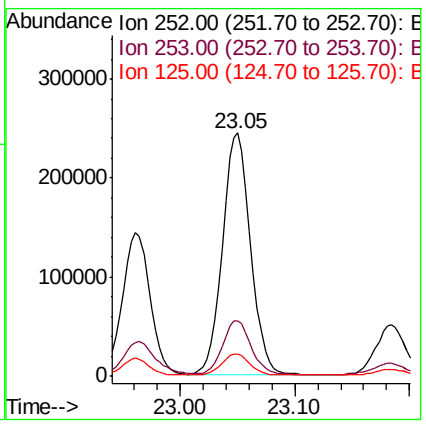


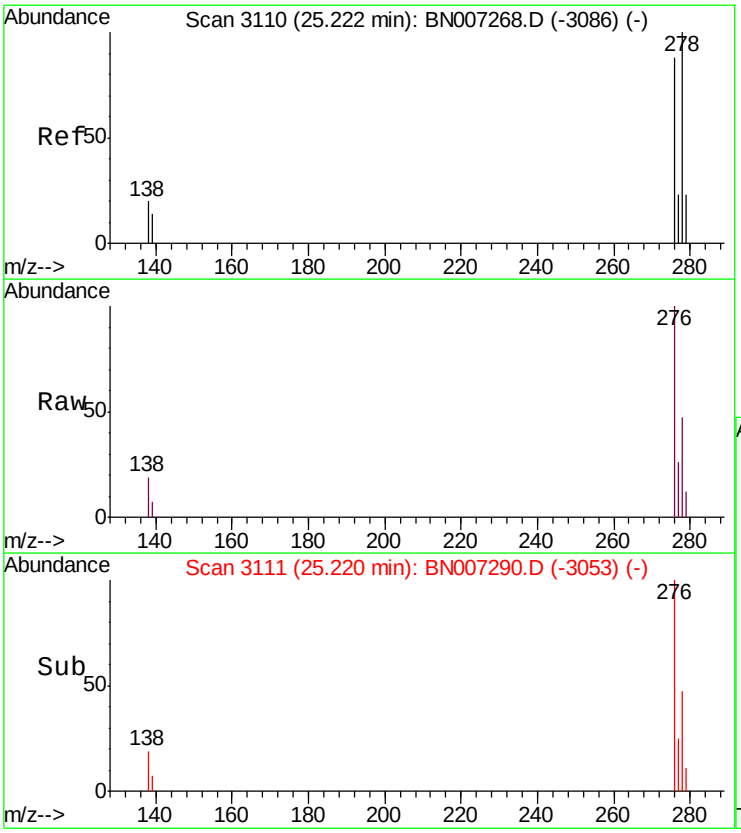
#37
Benzo(a)pyrene
Concen: 3.552 ng
RT: 23.05 min Scan# 2477
Delta R.T. 0.01 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 417407

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.7	28.1
125	9.4	8.7	13.1

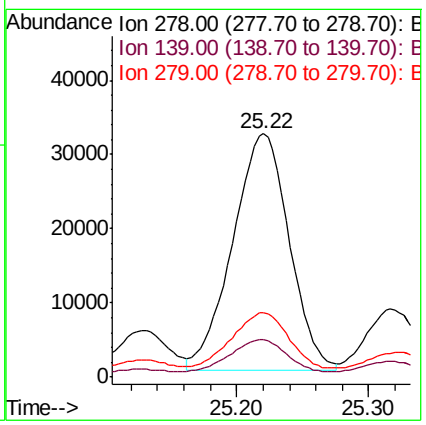


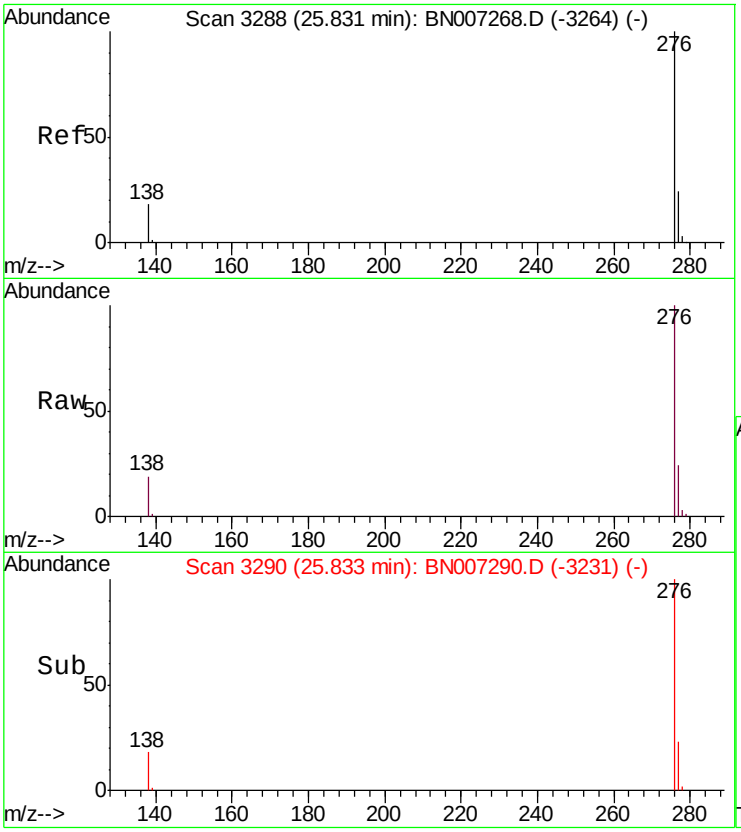


#38
Dibenzo(a,h)anthracene
Concen: 0.772 ng
RT: 25.22 min Scan# 3111
Delta R.T. -0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Tgt Ion:278 Resp: 95307

Ion	Ratio	Lower	Upper
278	100		
139	15.3	11.8	17.8
279	26.4	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 1.739 ng
RT: 25.83 min Scan# 3290
Delta R.T. 0.00 min
Lab File: BN007290.D
Acq: 21 Aug 2019 12:39

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 217001

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.5	29.3
138	18.6	15.3	22.9