Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070819\
Data File : BN006752.D
Acq On : 08 Jul 2019 11:28
Operator : HP/JU
Sample : PB121057BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB121057BSD

Quant Time: Jul 08 11:59:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 05 05:30:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2623	0.40 ng	-0.02
7) Naphthalene-d8	10.36	136	9979	0.40 ng	-0.03
13) Acenaphthene-d10	14.24	164	5551	0.40 ng	-0.02
19) Phenanthrene-d10	17.01	188	12154	0.40 ng	-0.01
27) Chrysene-d12	21.24	240	12961	0.40 ng	-0.02
34) Perylene-d12	23.47	264	14226	0.40 ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc Units	Dev(Min)
4) 2-Fluorophenol	5.24	112	2054	0.29 ng	0.00
5) Phenol-d6	6.83	99	2637	0.29 ng	0.00
8) Nitrobenzene-d5	8.79	82	2193	0.29 ng	0.00
11) 2-Methylnaphthalene-d10	11.98	152	7277	0.49 ng	-0.02
14) 2,4,6-Tribromophenol	15.78	330	720	0.26 ng	-0.01
15) 2-Fluorobiphenyl	12.86	172	7576	0.35 ng	-0.02
25) Fluoranthene-d10	19.06	212	11537	0.33 ng	-0.02
29) Terphenyl-d14	19.66	244	8226	0.28 ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc Units		Qvalue
2) 1,4-Dioxane	3.12	88	1457	0.355 ng	#	27
3) n-Nitrosodimethylamine	3.48	42	942	0.305 ng	#	83
6) bis(2-Chloroethyl)ether	7.05	93	2031	0.267 ng		97
9) Naphthalene	10.42	128	9363	0.343 ng		98
10) Hexachlorobutadiene	10.69	225	1855	0.336 ng	#	99
12) 2-Methylnaphthalene	12.06	142	6013	0.302 ng		98
16) Acenaphthylene	13.96	152	9007	0.326 ng		100
17) Acenaphthene	14.31	154	5989	0.339 ng		97
18) Fluorene	15.31	166	7294	0.333 ng		99
20) 4-Bromophenyl-phenylether	16.21	248	2234	0.312 ng		97
21) Hexachlorobenzene	16.32	284	3017	0.354 ng		98
22) Pentachlorophenol	16.73	266	249	0.328 ng		90
23) Phenanthrene	17.06	178	11609	0.331 ng		100
24) Anthracene	17.15	178	9570	0.302 ng		99
26) Fluoranthene	19.09	202	14088	0.342 ng		100
28) Pyrene	19.46	202	14744	0.284 ng		99
30) Benzo(a)anthracene	21.23	228	12673	0.284 ng		99
31) Chrysene	21.28	228	14584	0.317 ng		99
32) Bis(2-ethylhexyl)phthalate	21.14	149	5724	0.043 ng		99
33) Indeno(1,2,3-cd)pyrene	25.70	276	19536	0.355 ng		97
35) Benzo(b)fluoranthene	22.80	252	14602	0.320 ng		97
36) Benzo(k)fluoranthene	22.85	252	17525	0.354 ng		98
37) Benzo(a)pyrene	23.37	252	15215	0.344 ng	#	96
38) Dibenzo(a,h)anthracene	25.70	278	15664	0.356 ng		97
39) Benzo(g,h,i)perylene	26.38	276	17047	0.377 ng		96

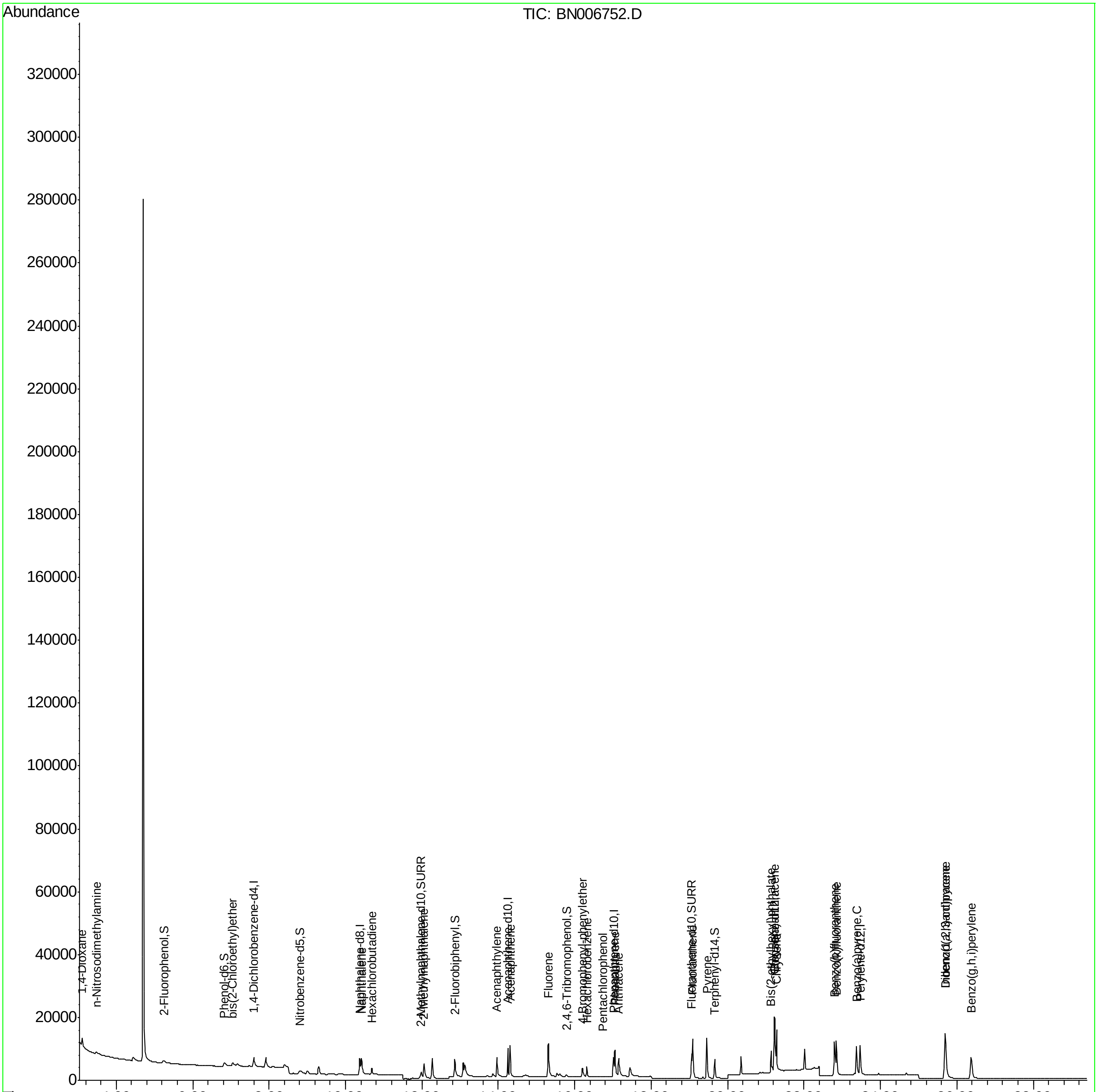
(#) = qualifier out of range (m) = manual integration (+) = signals summed

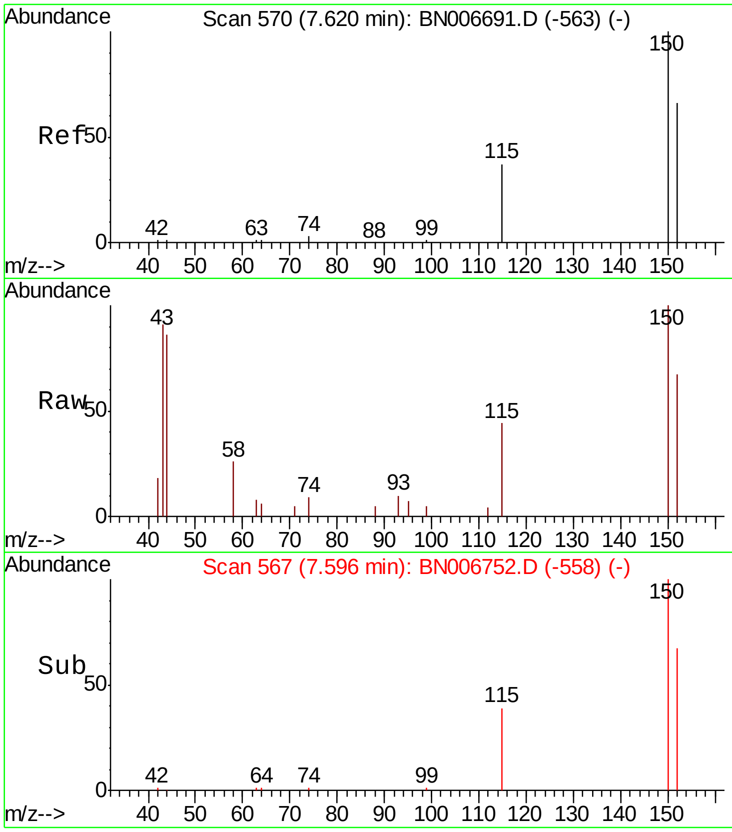
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070819\
Data File : BN006752.D
Acq On : 08 Jul 2019 11:28
Operator : HP/JU
Sample : PB121057BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB121057BSD

Quant Time: Jul 08 11:59:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 05 05:30:28 2019
Response via : Initial Calibration



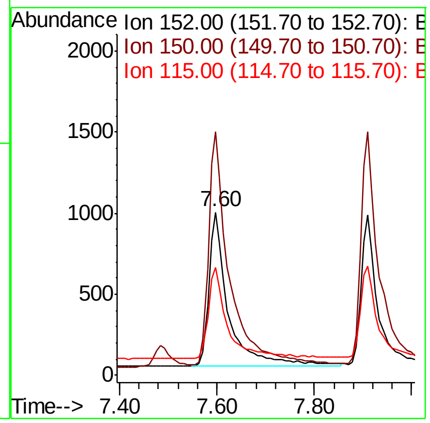


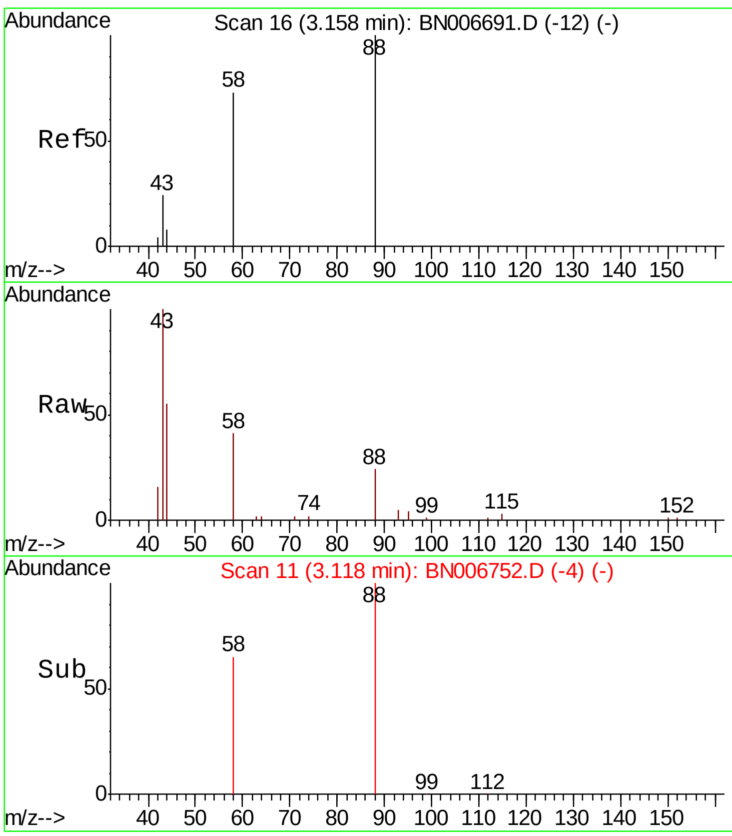
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 567
Delta R.T. -0.02 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument : BNA_N
ClientSampleId : PB121057BSD

Tgt Ion:152 Resp: 2623

Ion	Ratio	Lower	Upper
152	100		
150	149.4	120.6	181.0
115	66.0	51.0	76.6

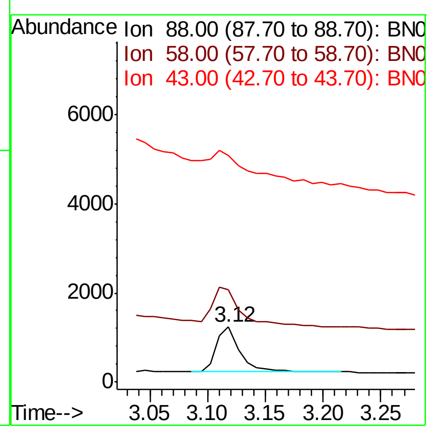


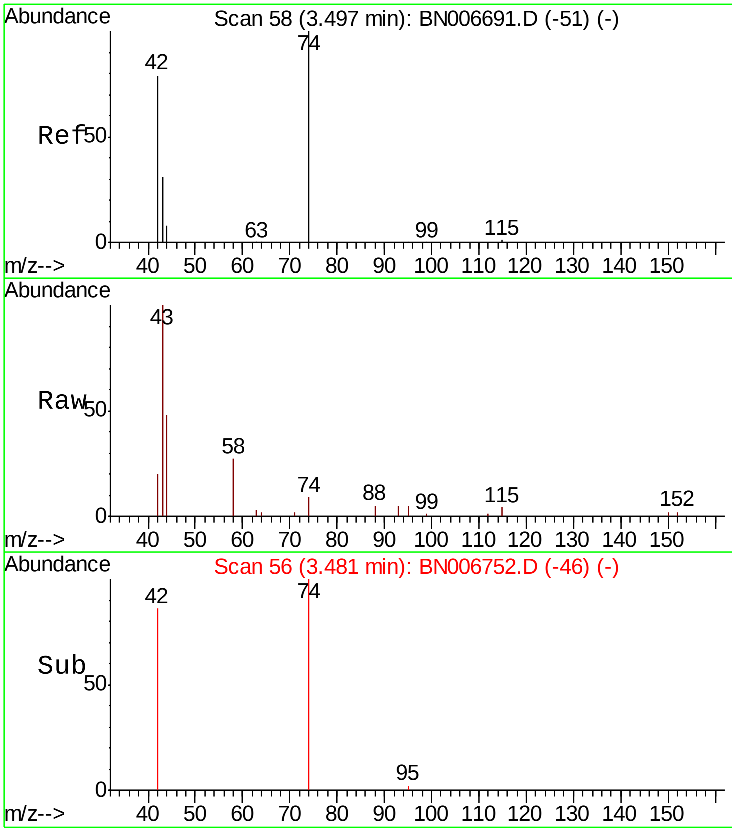


#2
1,4-Dioxane
Concen: 0.355 ng
RT: 3.12 min Scan# 11
Delta R.T. -0.04 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion: 88 Resp: 1457

Ion	Ratio	Lower	Upper
88	100		
58	106.2	61.1	91.7#
43	130.9	32.4	48.6#



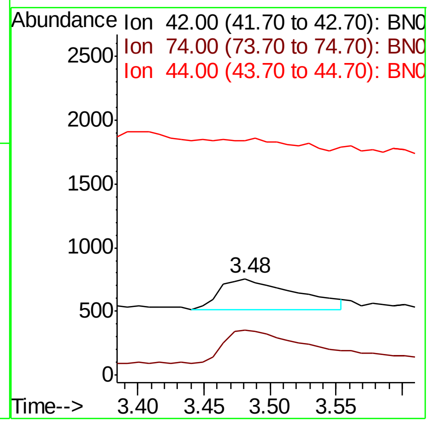


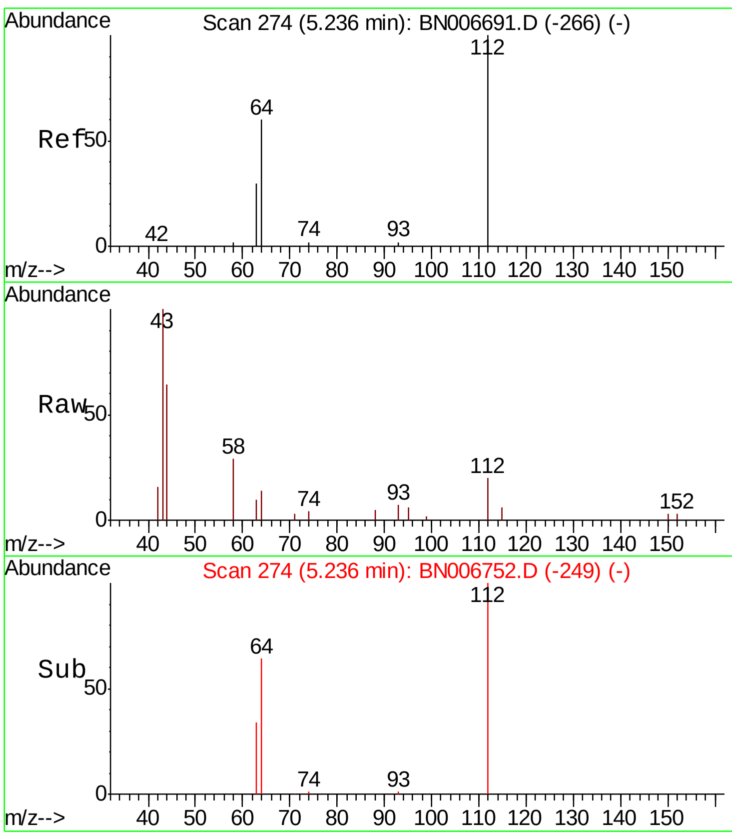
#3
n-Nitrosodimethylamine
Concen: 0.305 ng
RT: 3.48 min Scan# 56
Delta R.T. -0.02 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument :
BNA_N
ClientSampleId :
PB121057BSD

Tgt Ion: 42 Resp: 942

Ion	Ratio	Lower	Upper
42	100		
74	114.1	106.6	160.0
44	0.0	8.0	12.0#

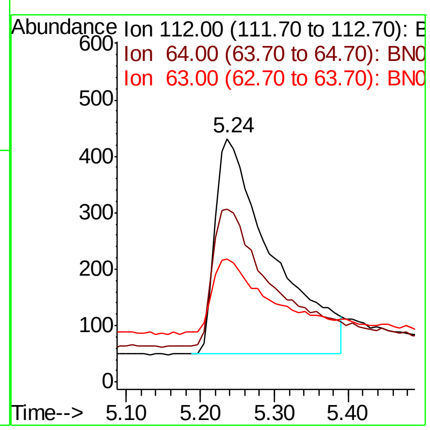


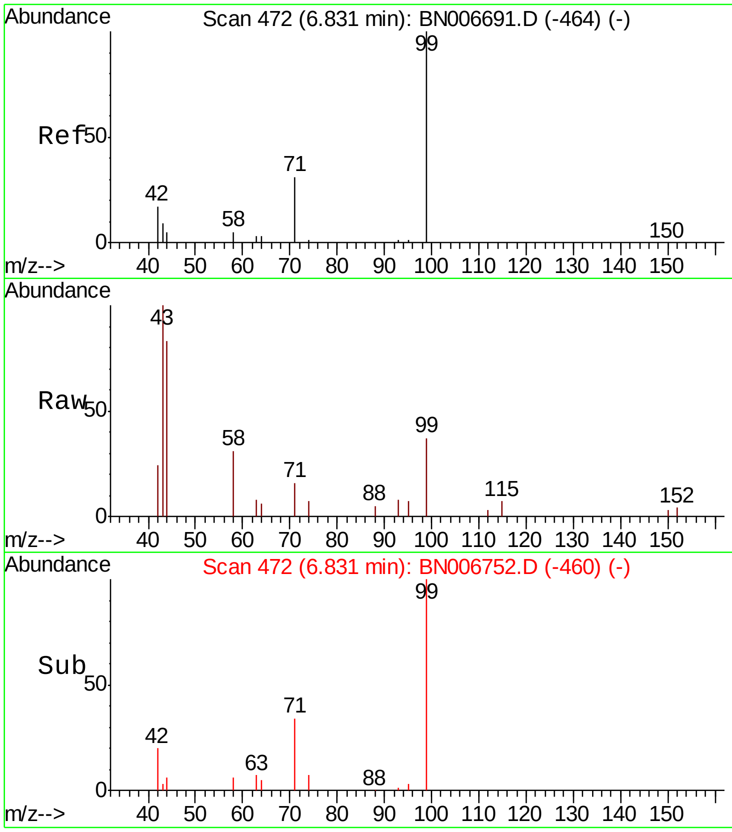


#4
2-Fluorophenol
Concen: 0.288 ng
RT: 5.24 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:112 Resp: 2054

Ion	Ratio	Lower	Upper
112	100		
64	67.5	49.8	74.6
63	36.1	25.8	38.6



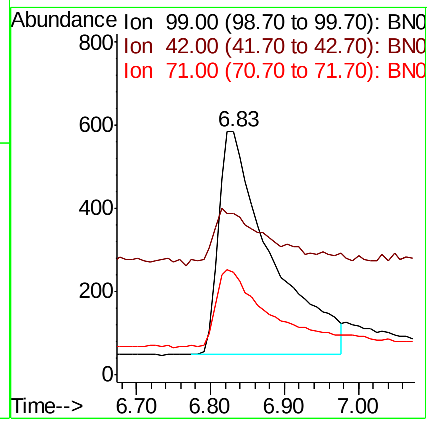


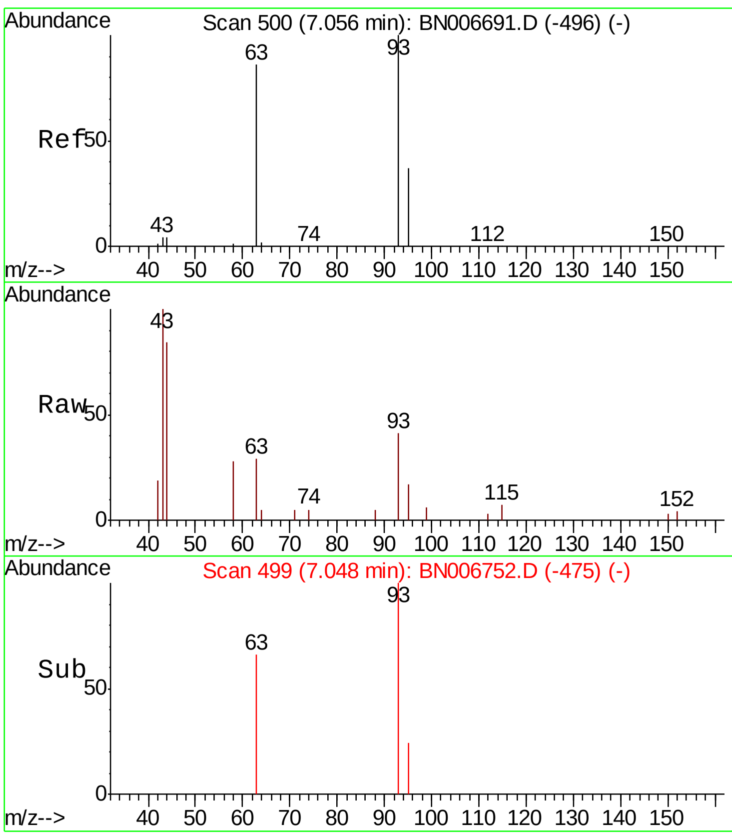
#5
Phenol-d6
Concen: 0.292 ng
RT: 6.83 min Scan# 472
Delta R.T. 0.00 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument : BNA_N
ClientSampleId : PB121057BSD

Tgt Ion: 99 Resp: 2637

Ion	Ratio	Lower	Upper
99	100		
42	25.9	16.6	25.0#
71	35.1	26.0	39.0

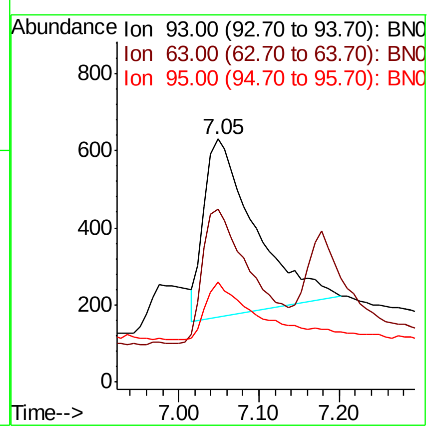


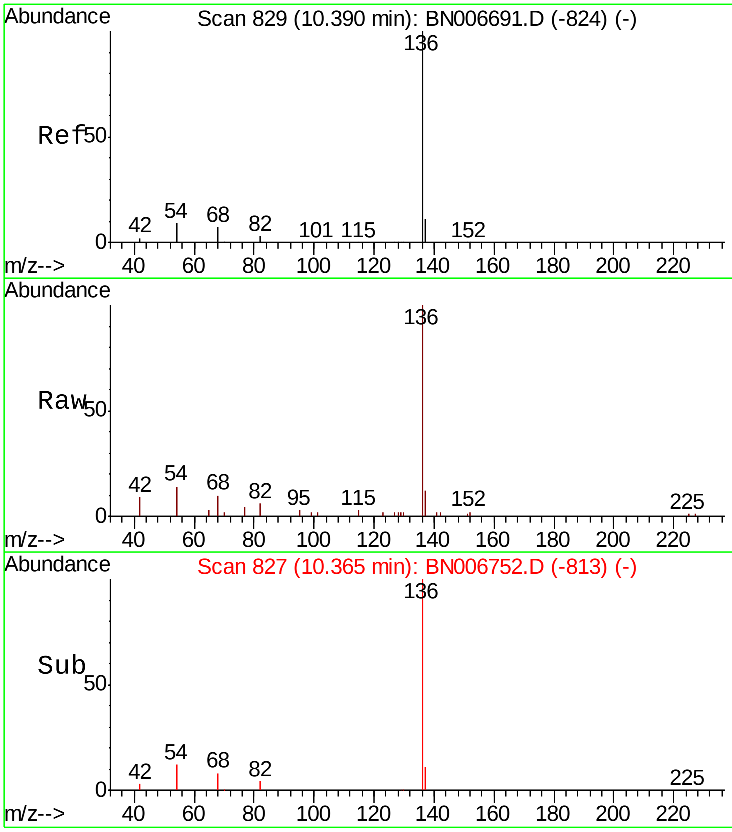


#6
bis(2-Chloroethyl)ether
Concen: 0.267 ng
RT: 7.05 min Scan# 499
Delta R.T. -0.01 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion: 93 Resp: 2031

Ion	Ratio	Lower	Upper
93	100		
63	72.4	58.6	87.8
95	30.9	28.3	42.5



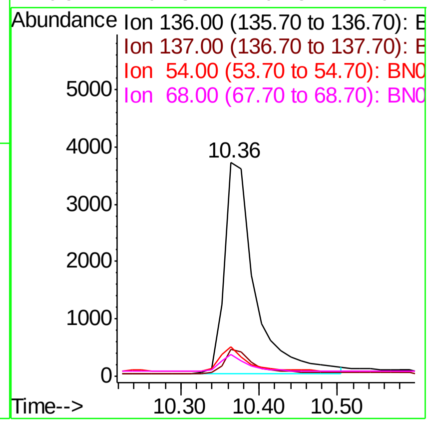


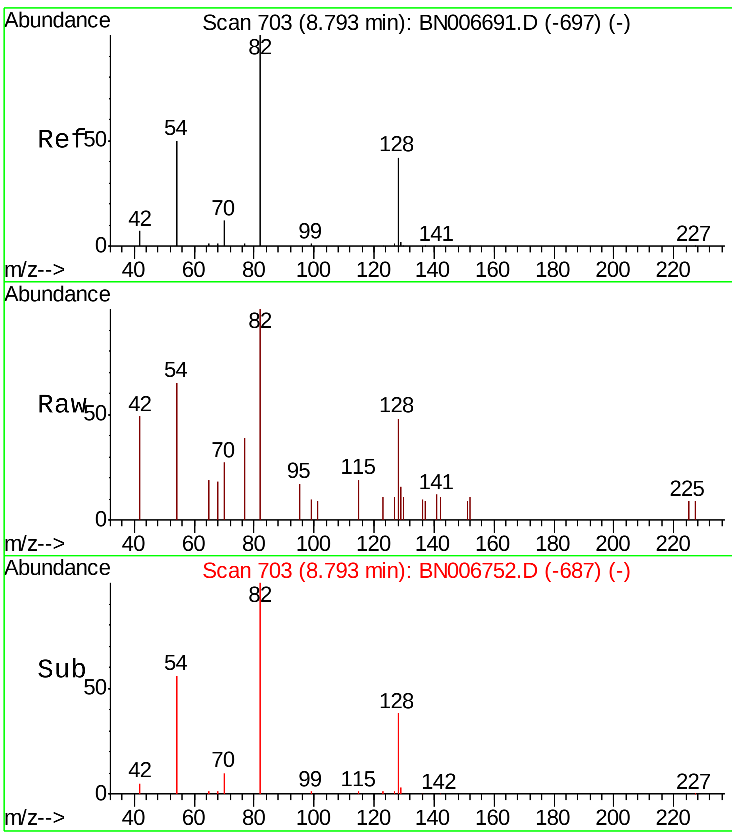
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.36 min Scan# 827
Delta R.T. -0.03 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument :
BNA_N
ClientSampleId :
PB121057BSD

Tgt Ion:136 Resp: 9979

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.3	13.9
54	13.7	8.4	12.6#
68	10.3	6.8	10.2#

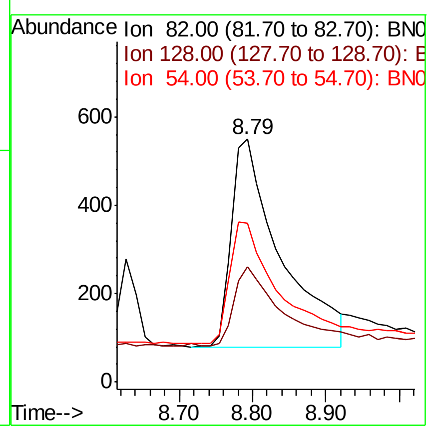


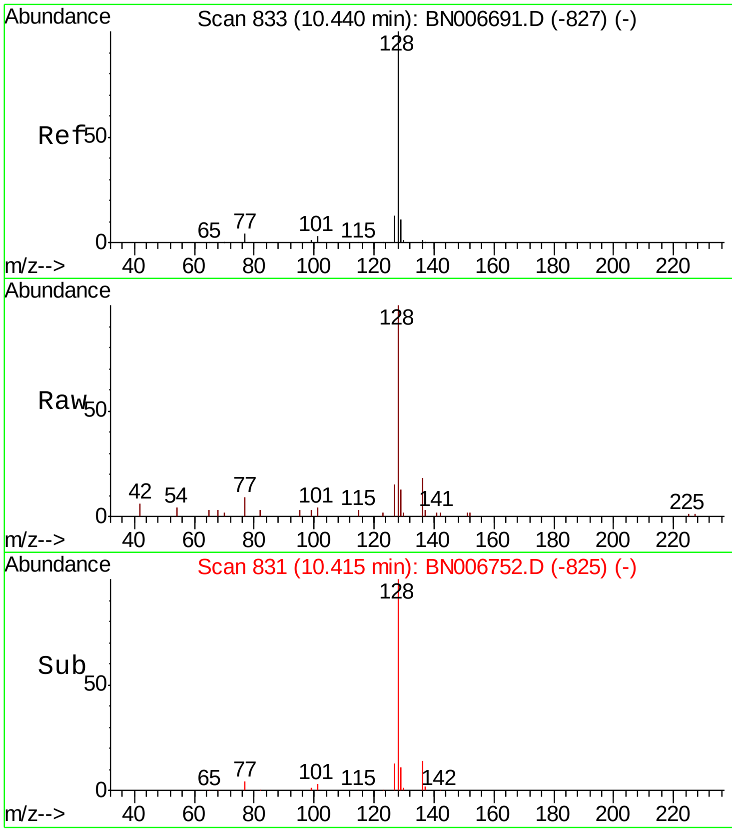


#8
Nitrobenzene-d5
Concen: 0.287 ng
RT: 8.79 min Scan# 703
Delta R.T. 0.00 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion: 82 Resp: 2193

Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.1	54.1
54	65.3	44.5	66.7



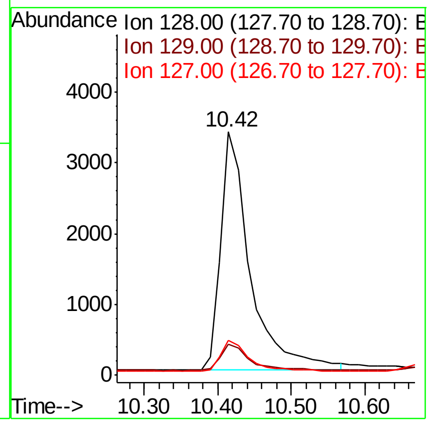


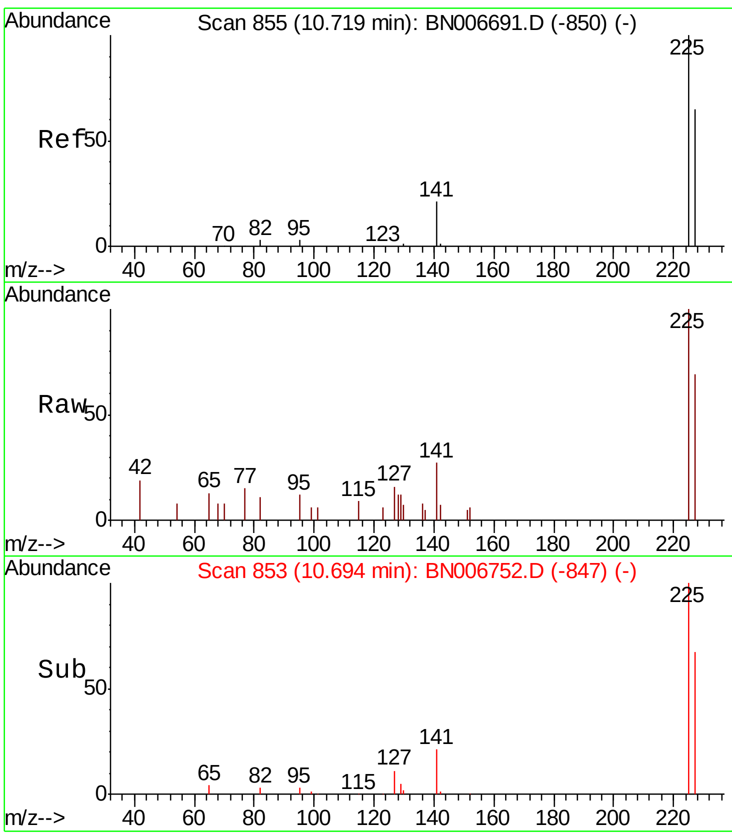
#9
Naphthalene
Concen: 0.343 ng
RT: 10.42 min Scan# 831
Delta R.T. -0.03 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument : BNA_N
ClientSampleId : PB121057BSD

Tgt Ion:128 Resp: 9363

Ion	Ratio	Lower	Upper
128	100		
129	12.7	9.6	14.4
127	14.6	11.0	16.4

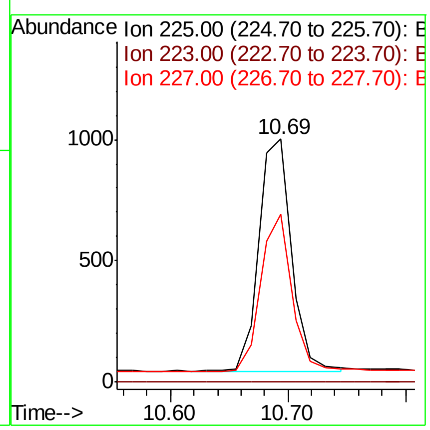


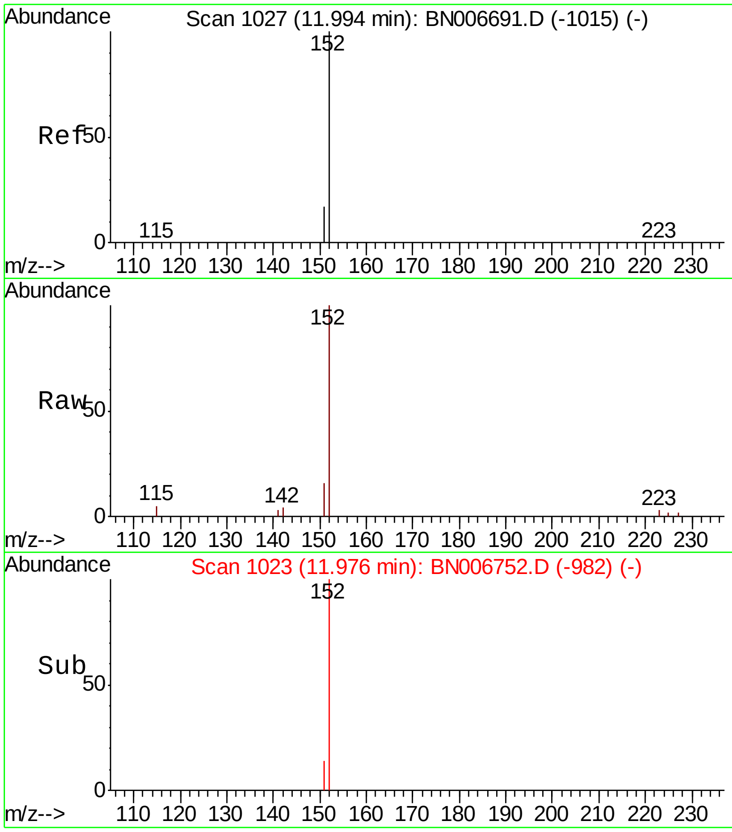


#10
Hexachlorobutadiene
Concen: 0.336 ng
RT: 10.69 min Scan# 853
Delta R.T. -0.03 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:225 Resp: 1855

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	50.9	76.3

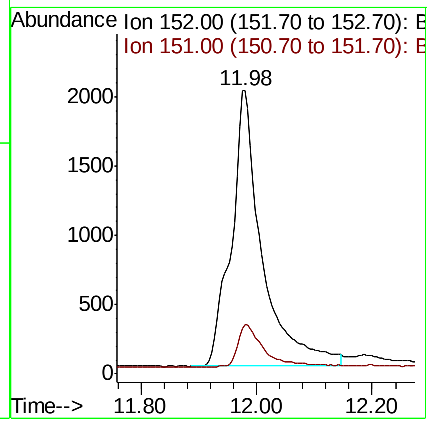


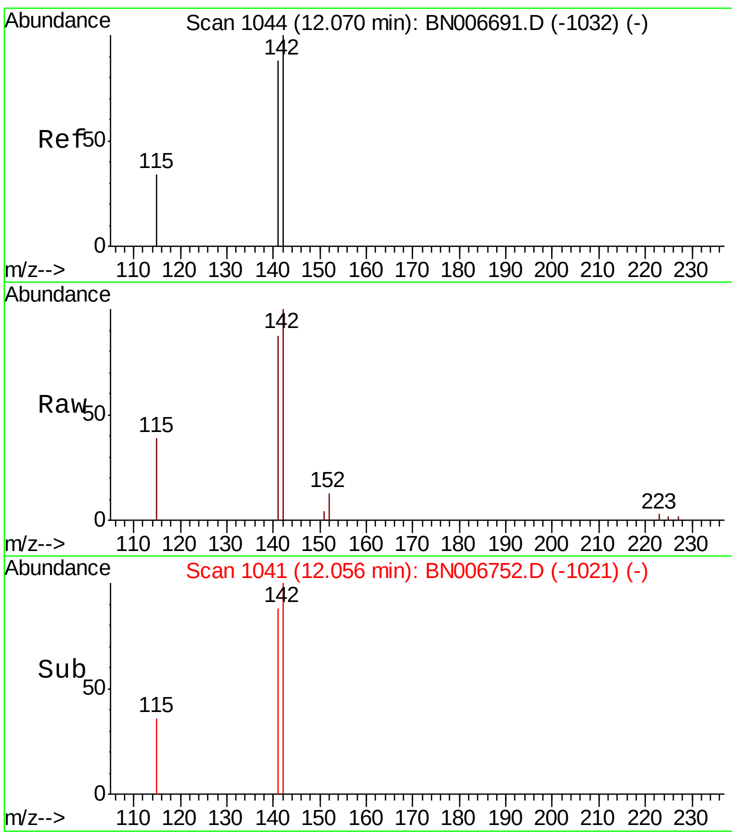


#11
2-Methylnaphthalene-d10
Concen: 0.485 ng
RT: 11.98 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument :
BNA_N
ClientSampleId :
PB121057BSD

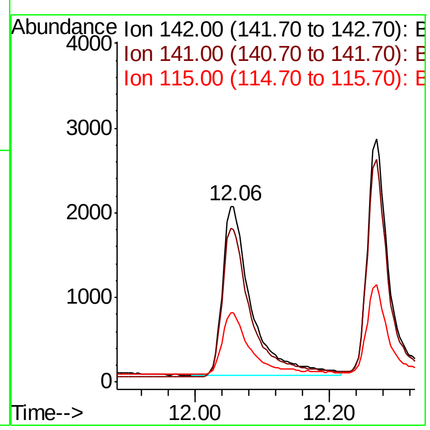
Tgt Ion:152	Resp:		7277
Ion	Ratio	Lower	Upper
152	100		
151	12.5	14.9	22.3#

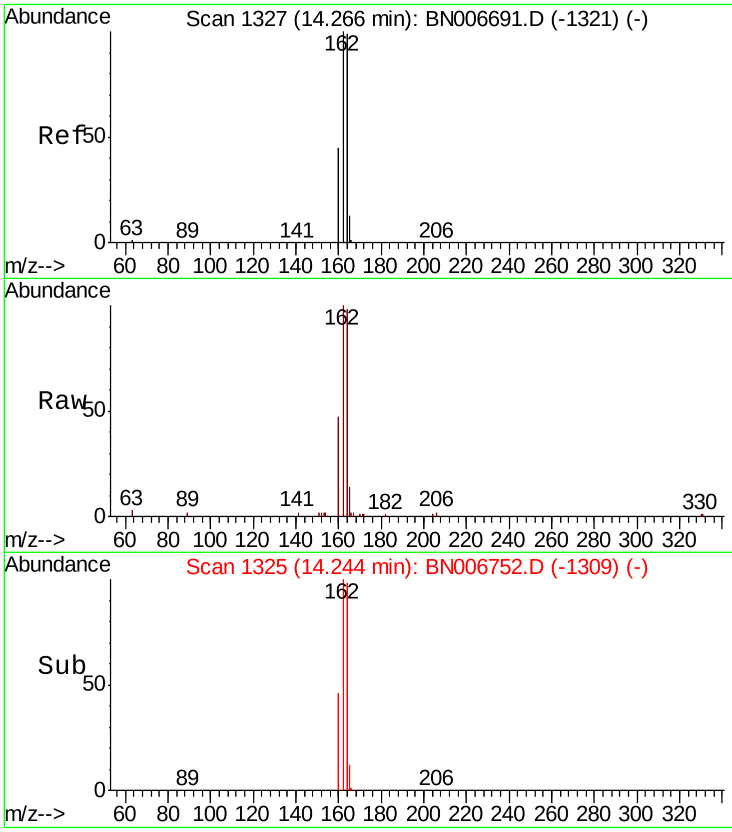




#12
2-Methylnaphthalene
Concen: 0.302 ng
RT: 12.06 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:142	Resp:		6013
Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.3	105.5
115	39.2	28.9	43.3



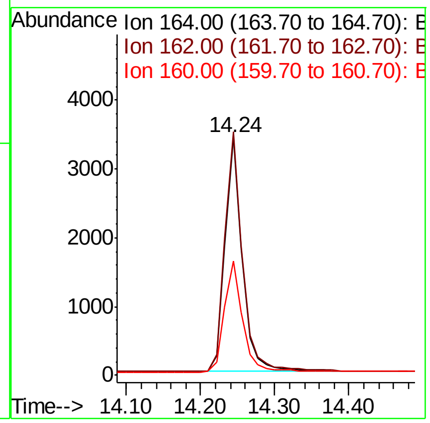


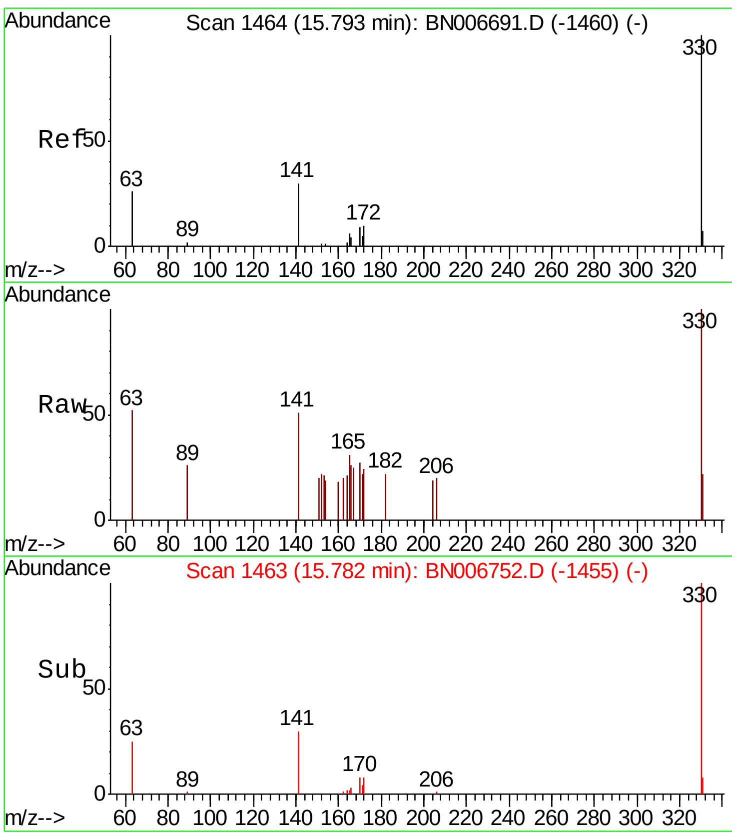
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument : BNA_N
ClientSampleId : PB121057BSD

Tgt Ion:164 Resp: 5551

Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.8	121.2
160	48.0	37.0	55.6

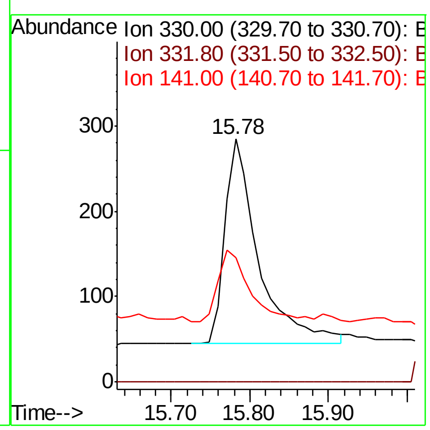


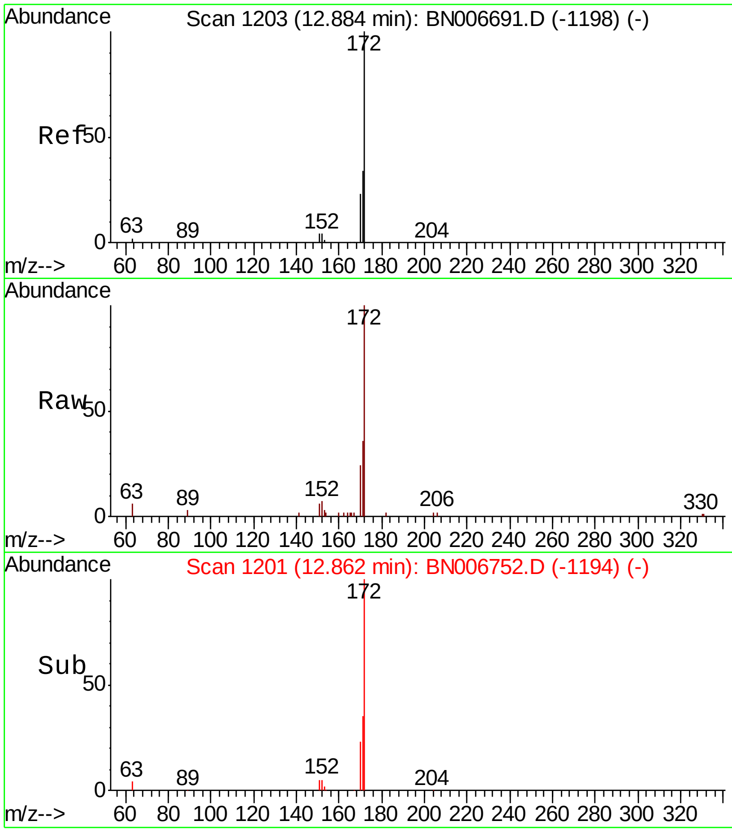


#14
2,4,6-Tribromophenol
Concen: 0.264 ng
RT: 15.78 min Scan# 1463
Delta R.T. -0.01 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:330 Resp: 720

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.0	24.8	37.2



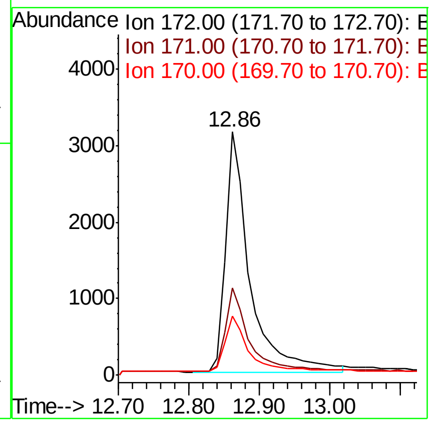


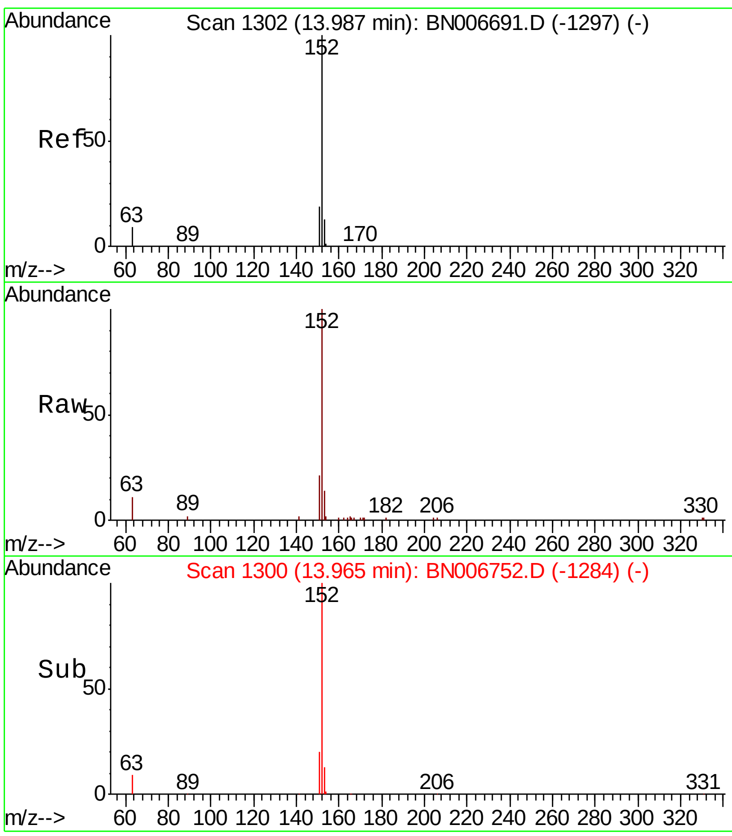
#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 12.86 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument :
BNA_N
ClientSampleId :
PB121057BSD

Tgt Ion:172 Resp: 7576

Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.8	41.6
170	24.3	18.9	28.3

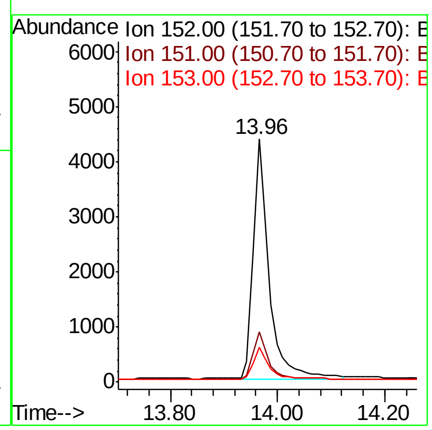


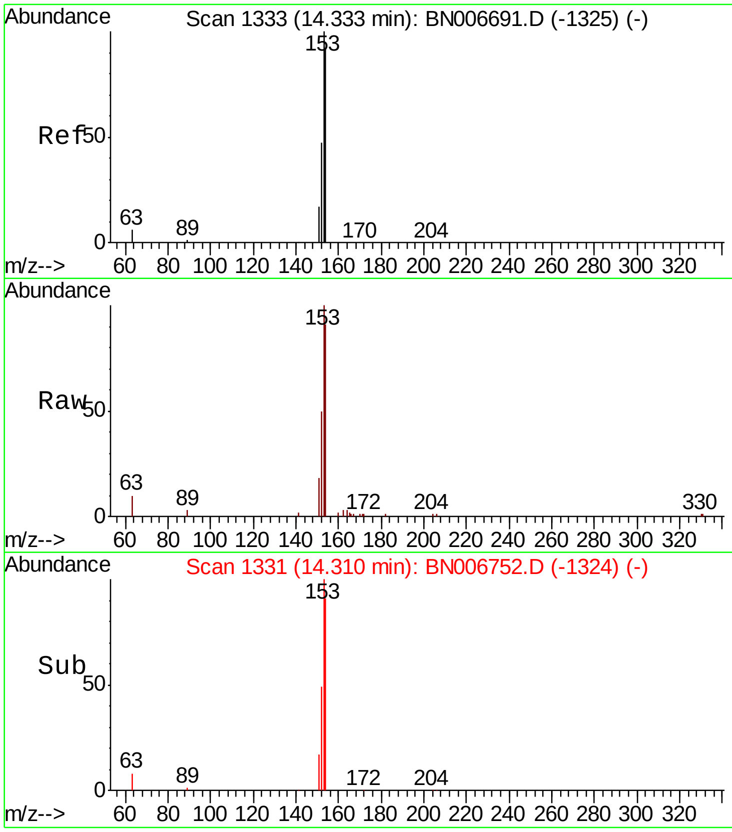


#16
Acenaphthylene
Concen: 0.326 ng
RT: 13.96 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:152 Resp: 9007

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	12.9	10.6	15.8



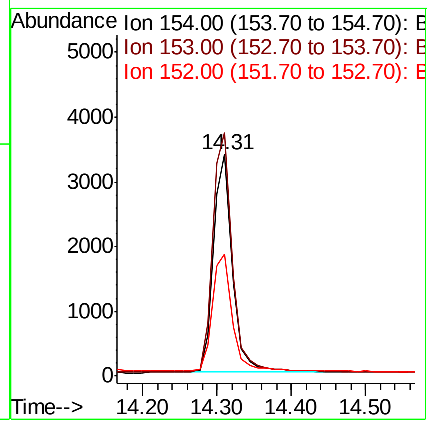


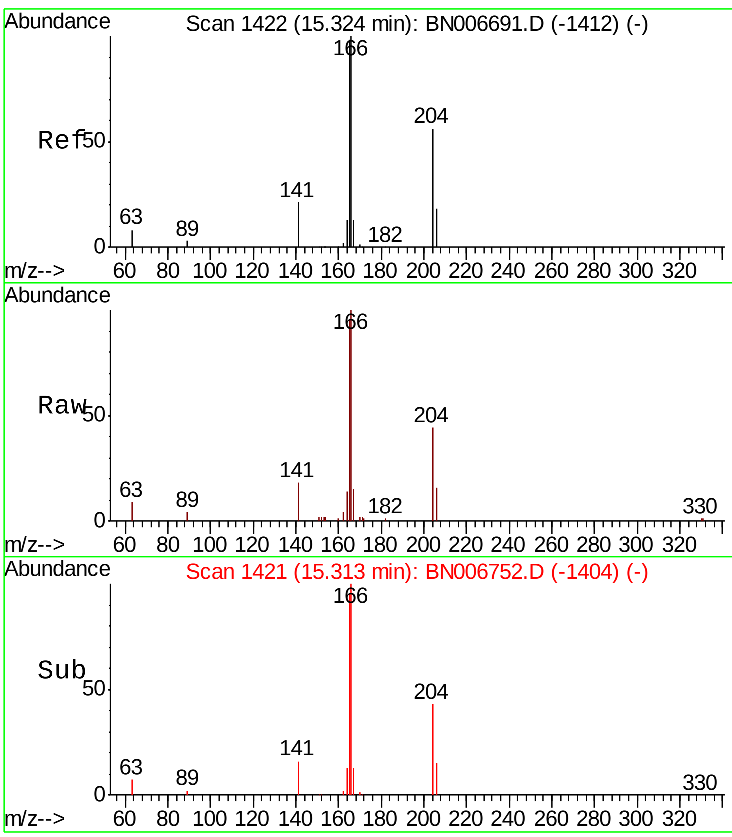
#17
Acenaphthene
Concen: 0.339 ng
RT: 14.31 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument :
BNA_N
ClientSampleId :
PB121057BSD

Tgt Ion:154 Resp: 5989

Ion	Ratio	Lower	Upper
154	100		
153	114.2	88.9	133.3
152	55.6	42.8	64.2

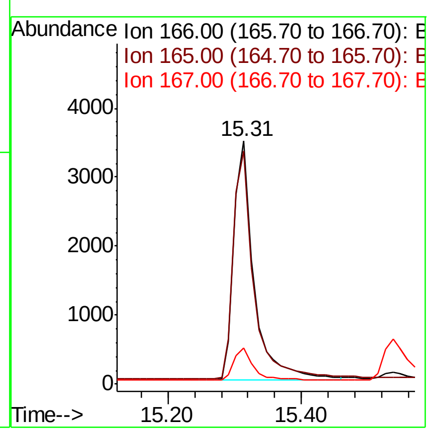


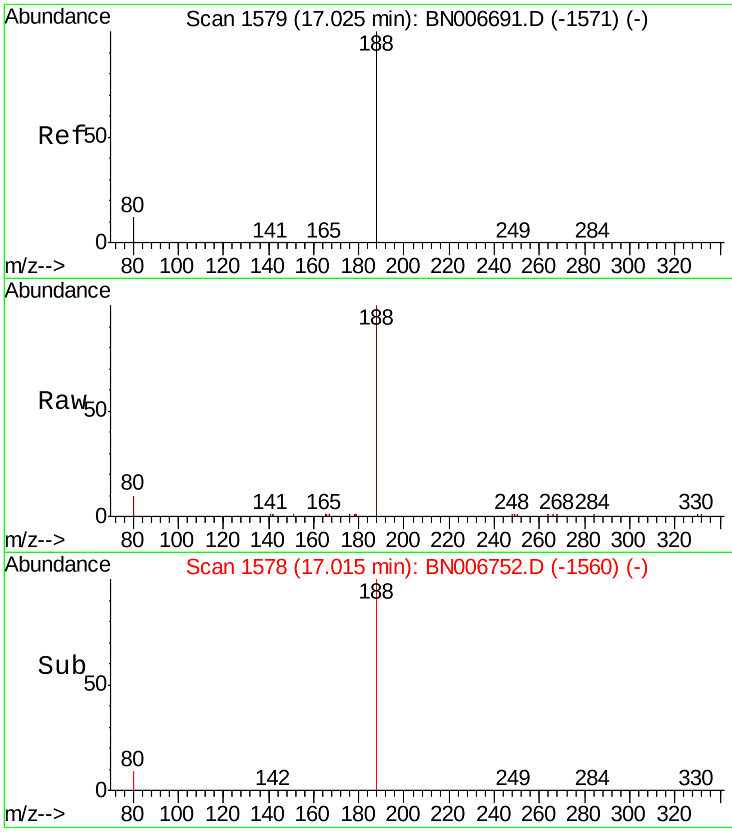


#18
Fluorene
Concen: 0.333 ng
RT: 15.31 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:166 Resp: 7294

Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.0	117.0
167	13.6	10.7	16.1



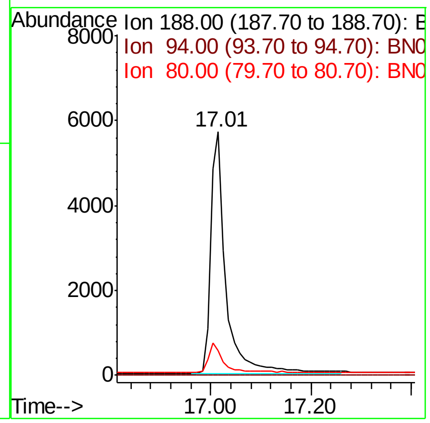


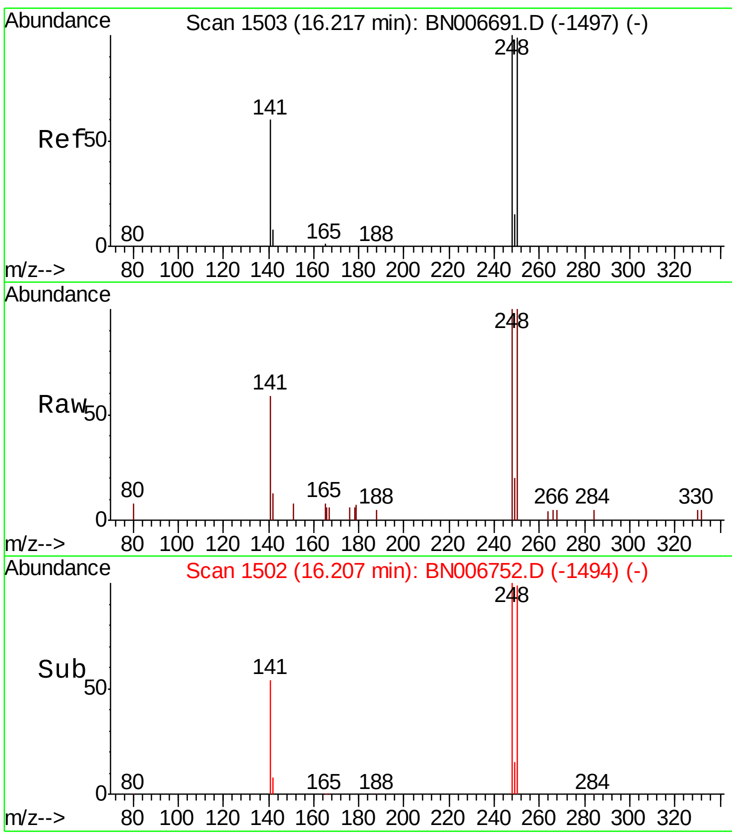
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.01 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument :
BNA_N
ClientSampleId :
PB121057BSD

Tgt Ion:188 Resp: 12154

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.4	10.3	15.5

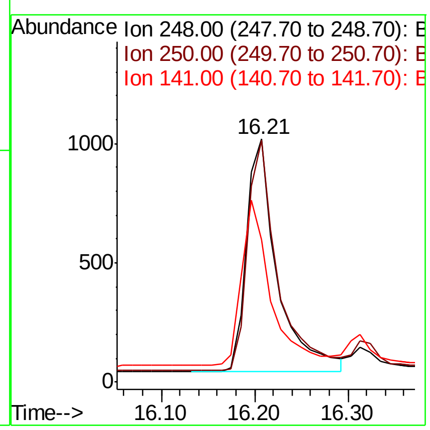




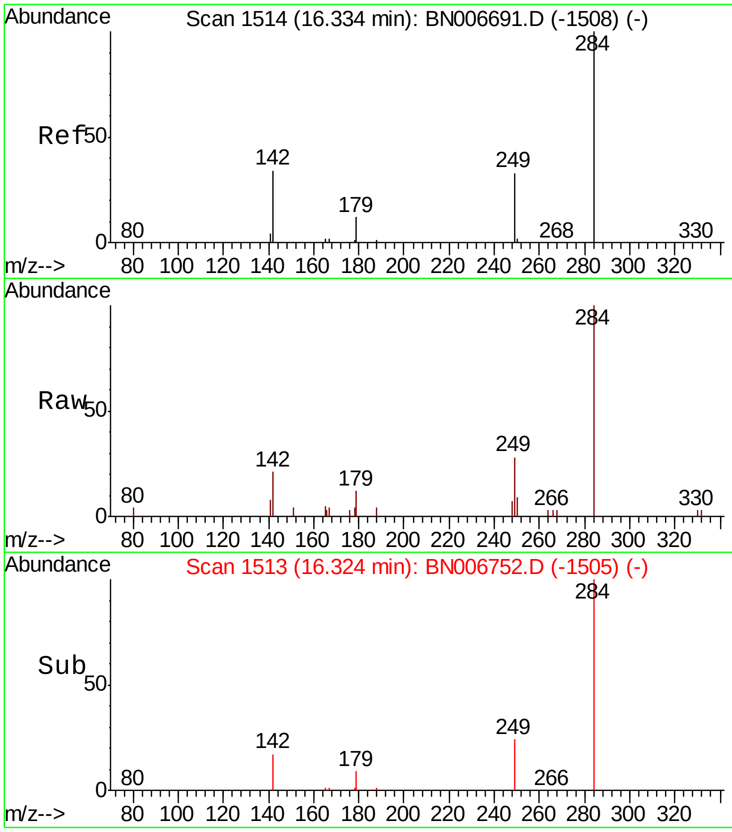
#20
4-Bromophenyl-phenylether
Concen: 0.312 ng
RT: 16.21 min Scan# 1502
Delta R.T. -0.01 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:248 Resp: 2234

Ion	Ratio	Lower	Upper
248	100		
250	99.8	79.0	118.6
141	58.7	50.2	75.4



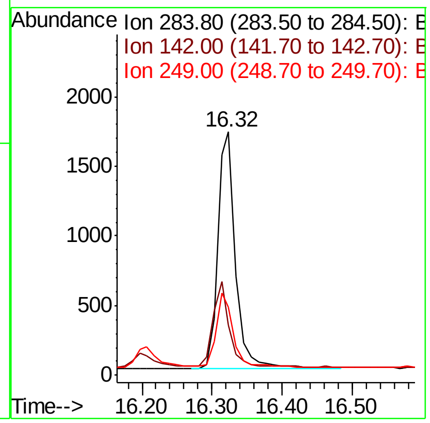
Instrument : BNA_N
ClientSampleId : PB121057BSD

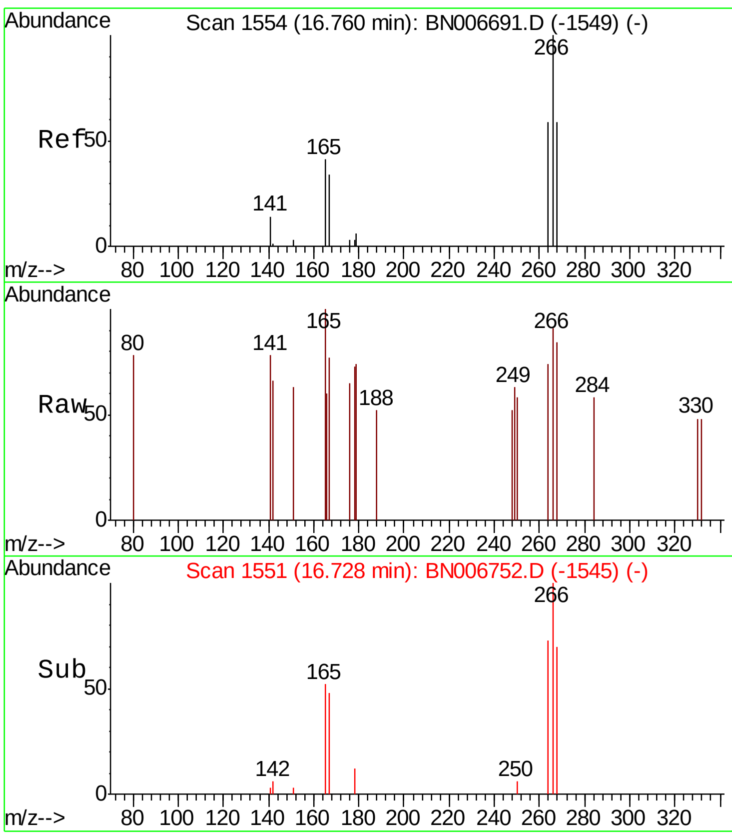


#21
Hexachlorobenzene
Concen: 0.354 ng
RT: 16.32 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:284 Resp: 3017

Ion	Ratio	Lower	Upper
284	100		
142	32.0	26.9	40.3
249	30.3	24.4	36.6

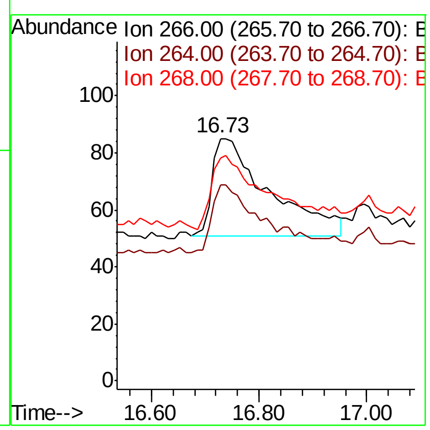




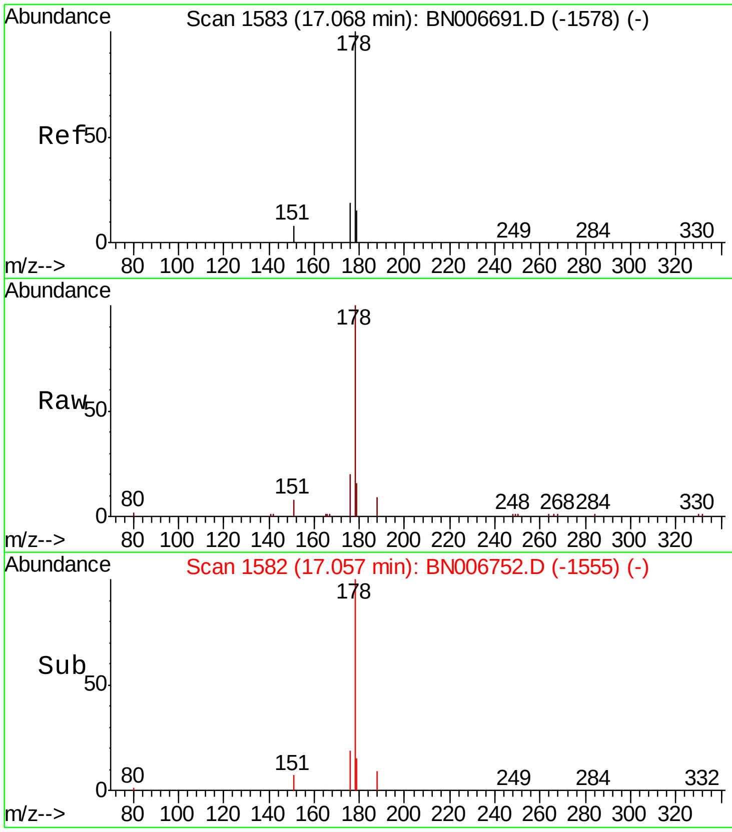
#22
Pentachlorophenol
Concen: 0.328 ng
RT: 16.73 min Scan# 1551
Delta R.T. -0.03 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:266 Resp: 249

Ion	Ratio	Lower	Upper
266	100		
264	81.2	57.6	86.4
268	91.8	66.6	99.8



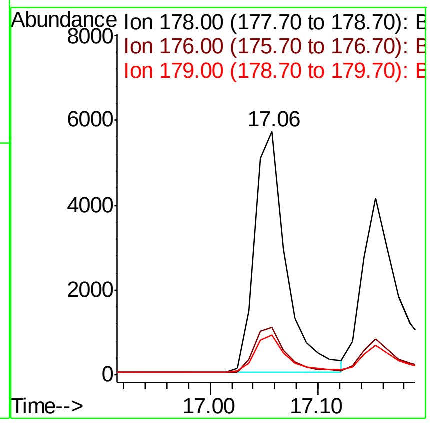
Instrument :
BNA_N
ClientSampleId :
PB121057BSD

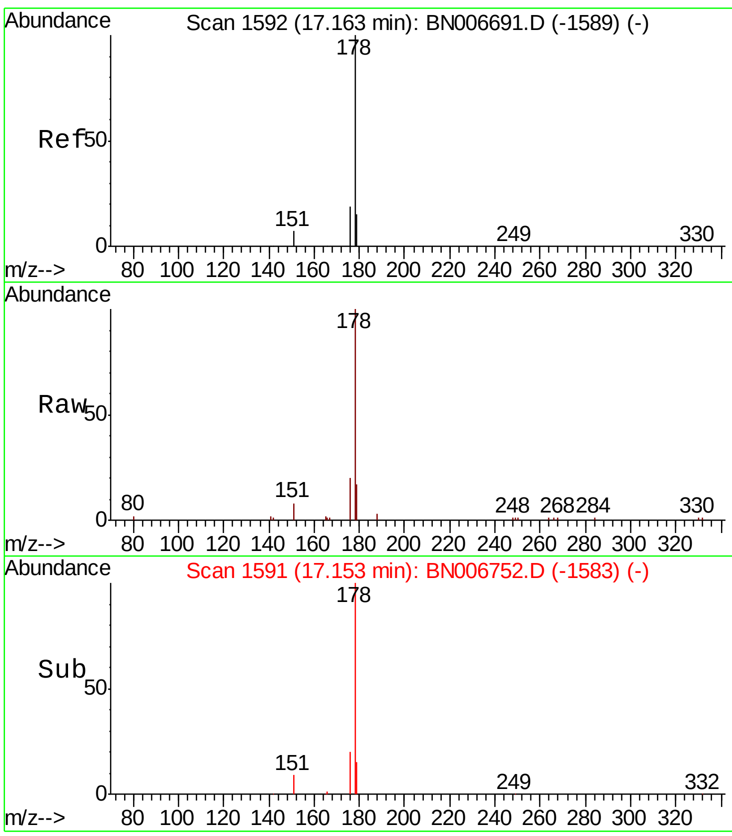


#23
Phenanthrene
Concen: 0.331 ng
RT: 17.06 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:178 Resp: 11609

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.8	12.4	18.6

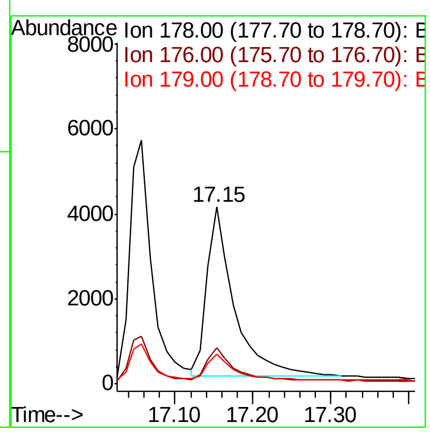


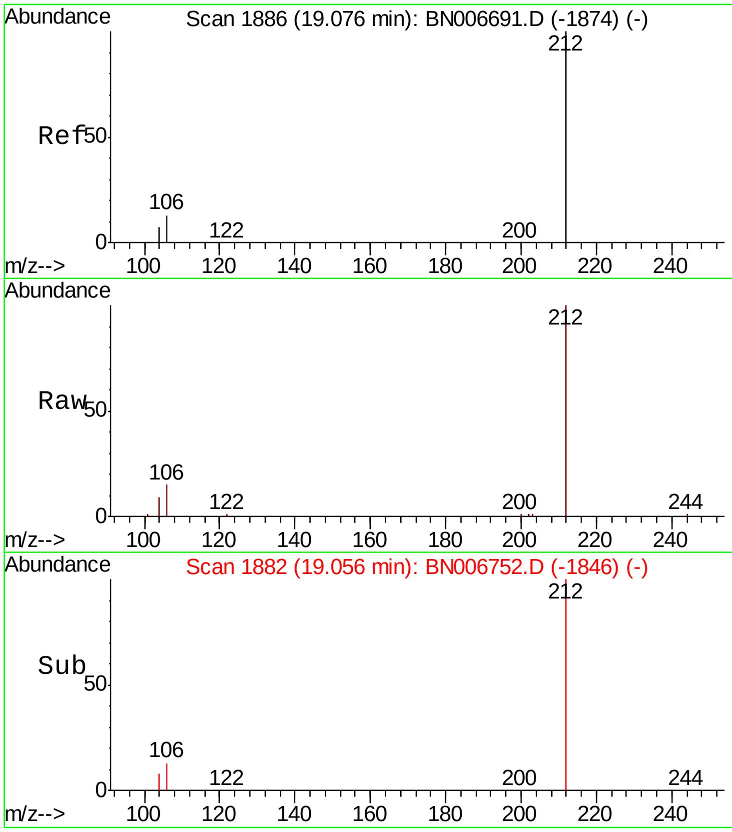


#24
Anthracene
Concen: 0.302 ng
RT: 17.15 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:178 Resp: 9570

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.7	11.9	17.9



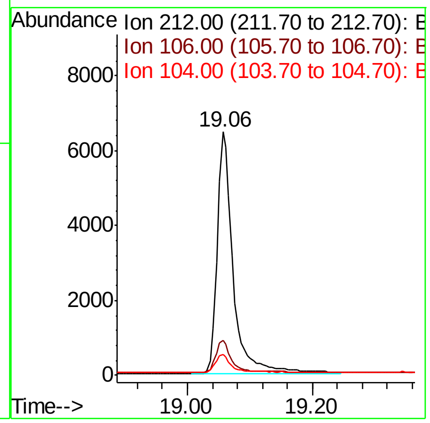


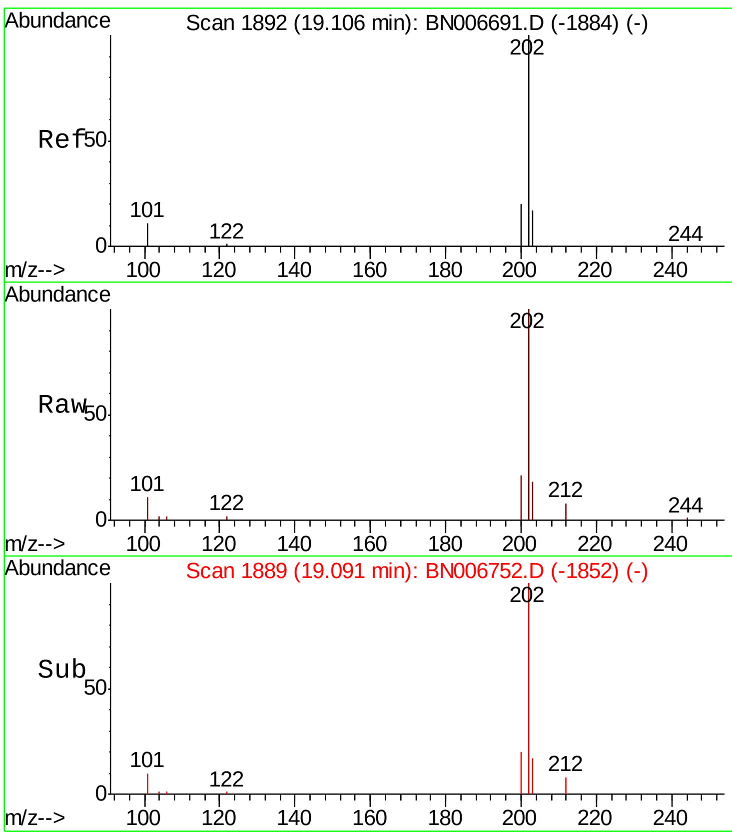
#25
Fluoranthene-d10
Concen: 0.332 ng
RT: 19.06 min Scan# 1882
Delta R.T. -0.02 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument :
BNA_N
ClientSampleId :
PB121057BSD

Tgt Ion:212 Resp: 11537

Ion	Ratio	Lower	Upper
212	100		
106	13.2	11.0	16.6
104	7.1	6.1	9.1

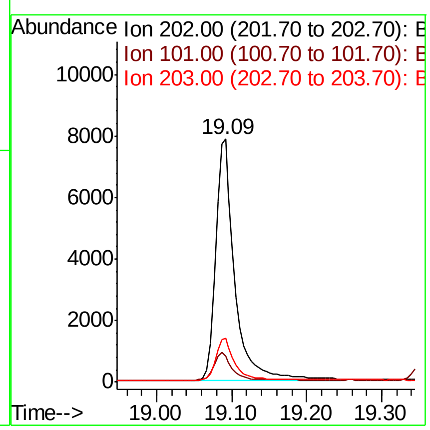




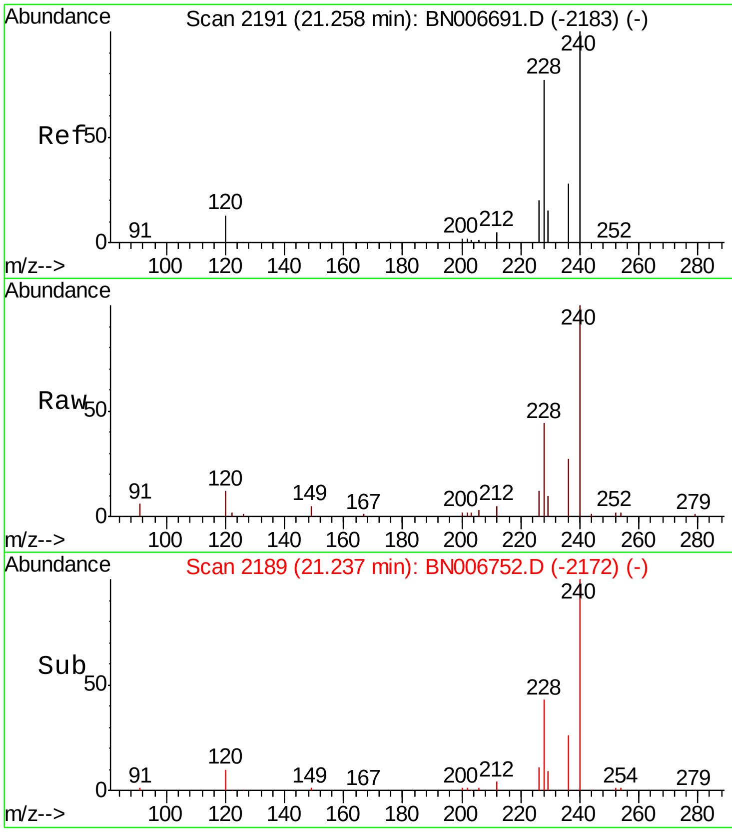
#26
Fluoranthene
Concen: 0.342 ng
RT: 19.09 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:202 Resp: 14088

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

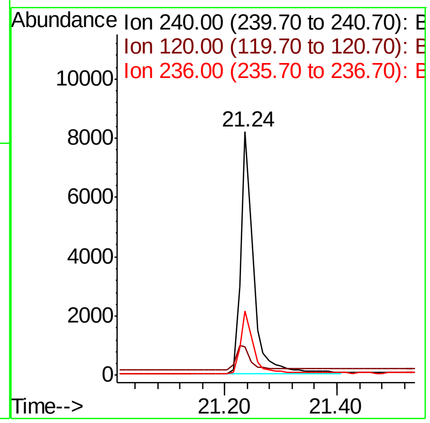


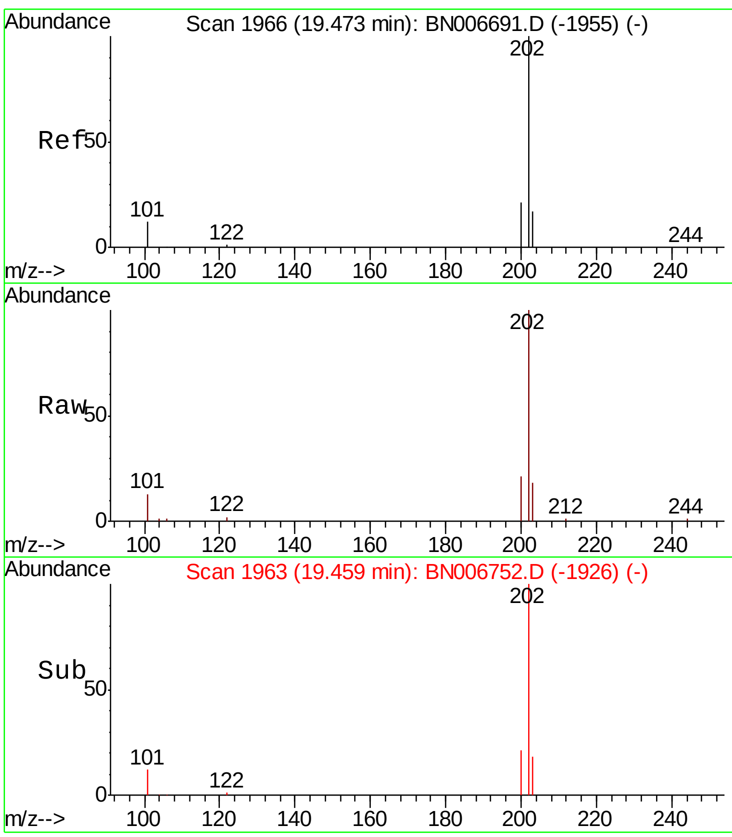
Instrument :
BNA_N
ClientSampleId :
PB121057BSD



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min   Scan# 2189
Delta R.T.   -0.02 min
Lab File: BN006752.D
Acq: 08 Jul 2019   11:28

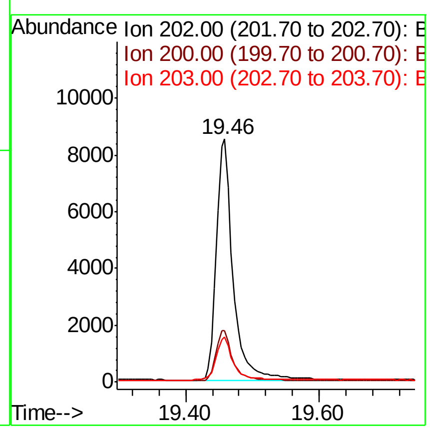
Tgt Ion:240	Resp:		12961
Ion	Ratio	Lower	Upper
240	100		
120	11.9	12.9	19.3#
236	26.6	23.2	34.8

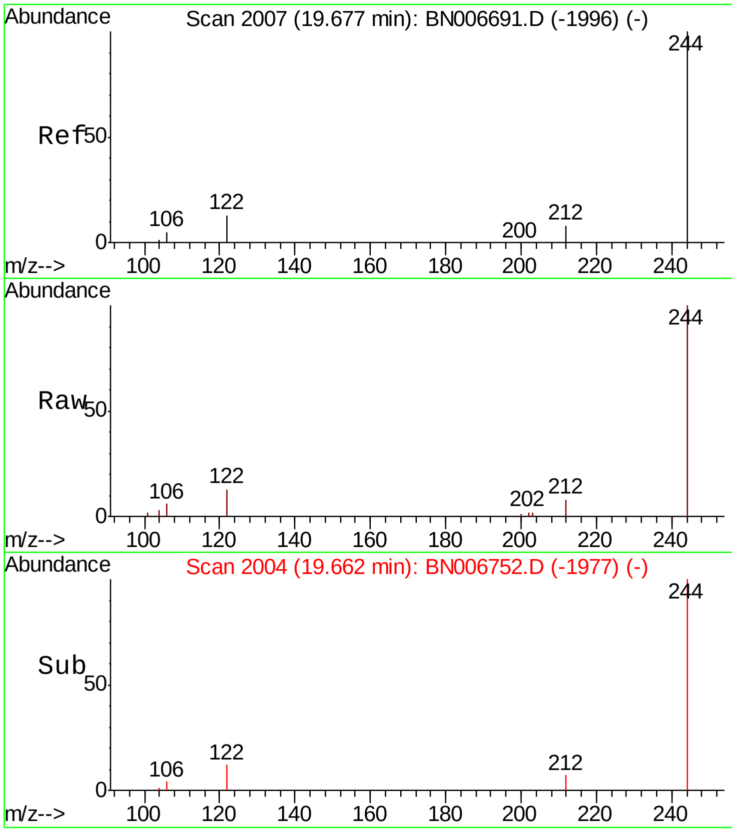




#28
Pyrene
Concen: 0.284 ng
RT: 19.46 min   Scan# 1963
Delta R.T.   -0.01 min
Lab File: BN006752.D
Acq: 08 Jul 2019   11:28

Tgt Ion:202	Resp:		14744
Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	18.3	14.2	21.2



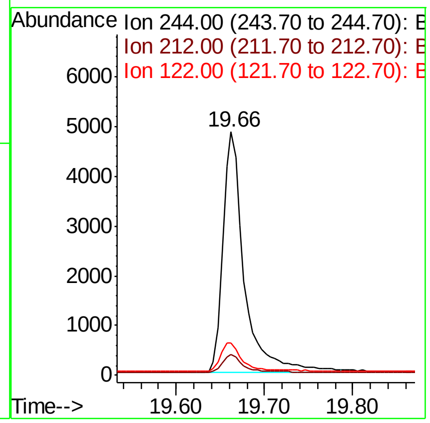


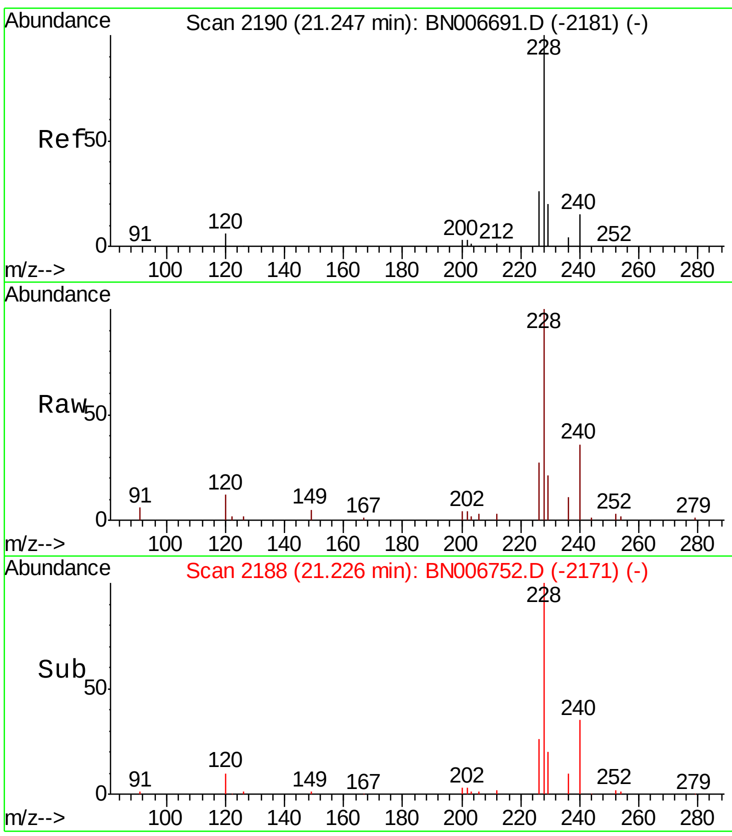
#29
Terphenyl-d14
Concen: 0.276 ng
RT: 19.66 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument :
BNA_N
ClientSampleId :
PB121057BSD

Tgt Ion:244 Resp: 8226

Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.0	10.4
122	13.5	11.5	17.3

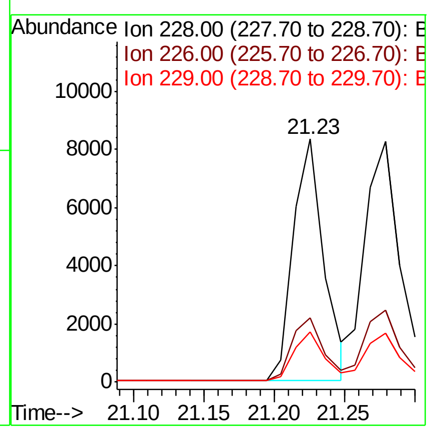


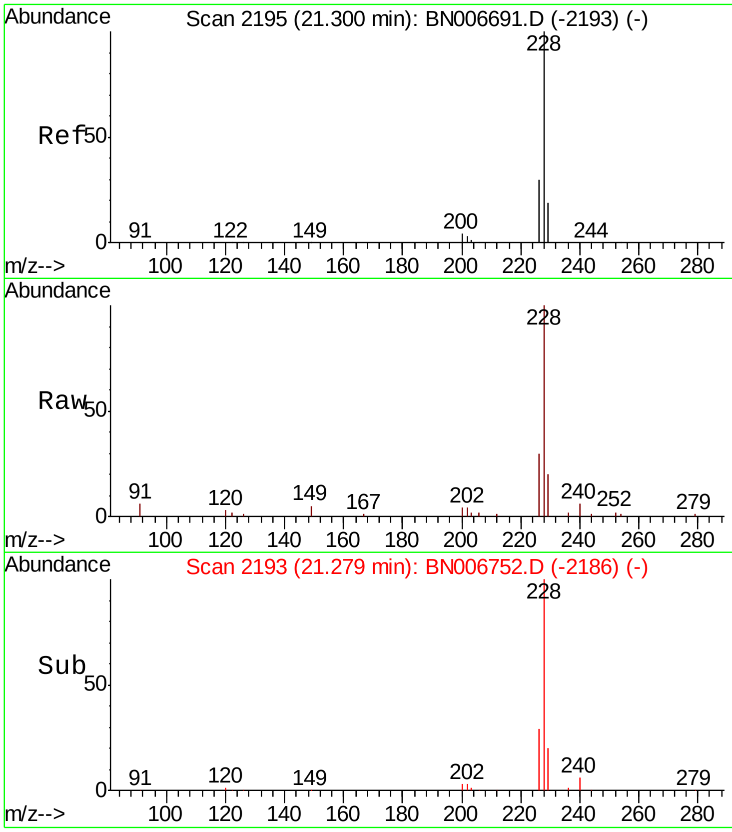


#30
Benzo(a)anthracene
Concen: 0.284 ng
RT: 21.23 min Scan# 2188
Delta R.T. -0.02 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:228 Resp: 12673

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.5	32.3
229	20.6	16.2	24.4



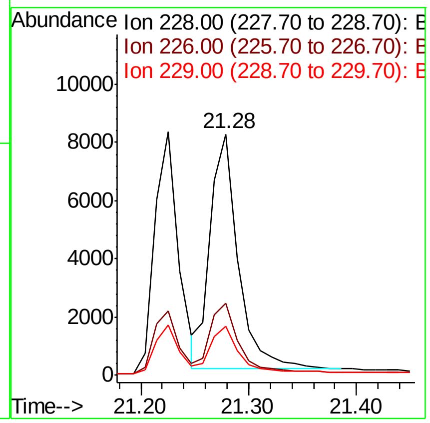


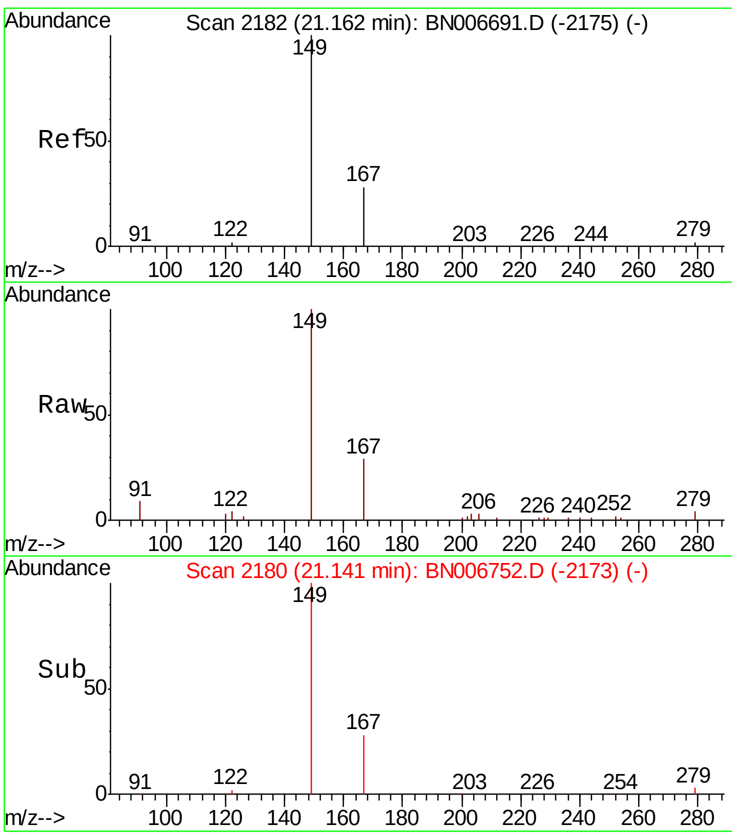
#31
Chrysene
Concen: 0.317 ng
RT: 21.28 min   Scan# 2193
Delta R.T.   -0.02 min
Lab File: BN006752.D
Acq: 08 Jul 2019   11:28

Instrument :
BNA_N
ClientSampleId :
PB121057BSD

Tgt Ion:228 Resp: 14584

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.2	36.2
229	20.5	15.8	23.6

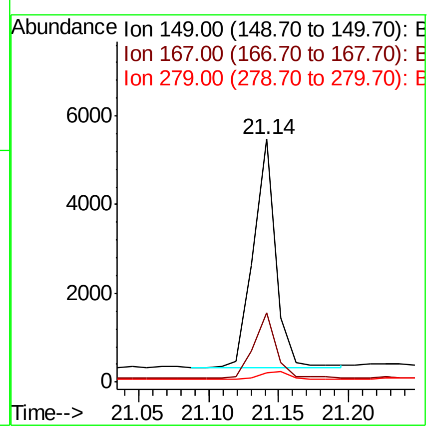


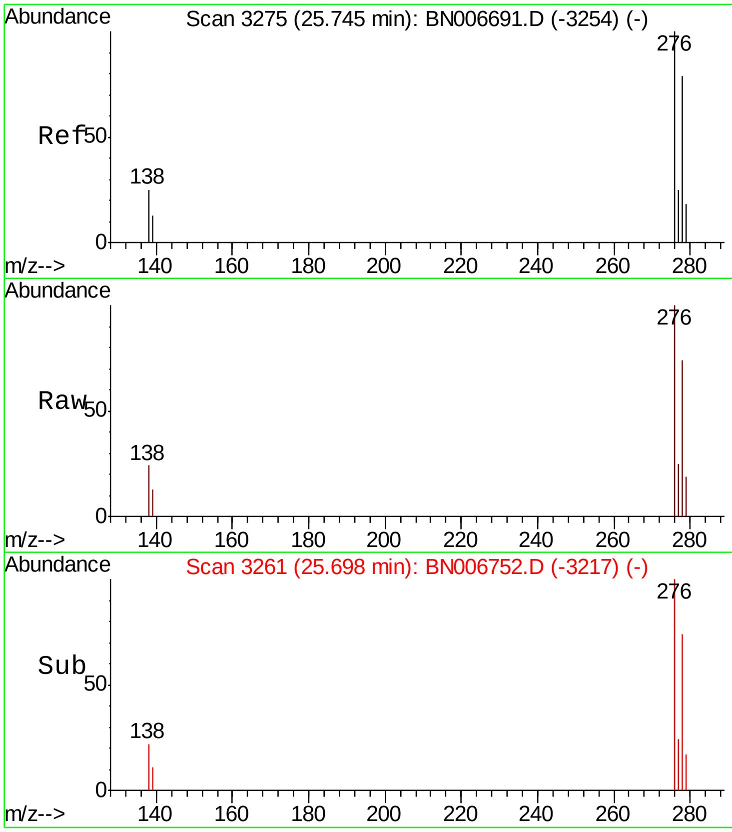


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.043 ng
RT: 21.14 min   Scan# 2180
Delta R.T.   -0.02 min
Lab File: BN006752.D
Acq: 08 Jul 2019   11:28

Tgt Ion:149 Resp: 5724

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.9	34.3
279	4.4	3.2	4.8



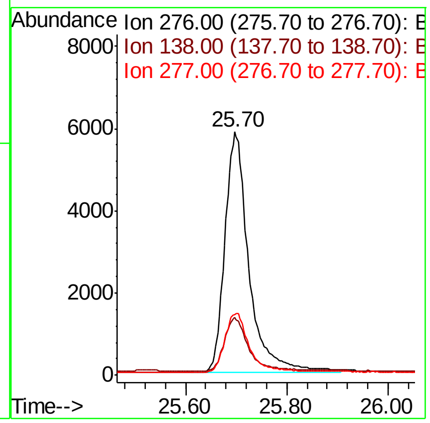


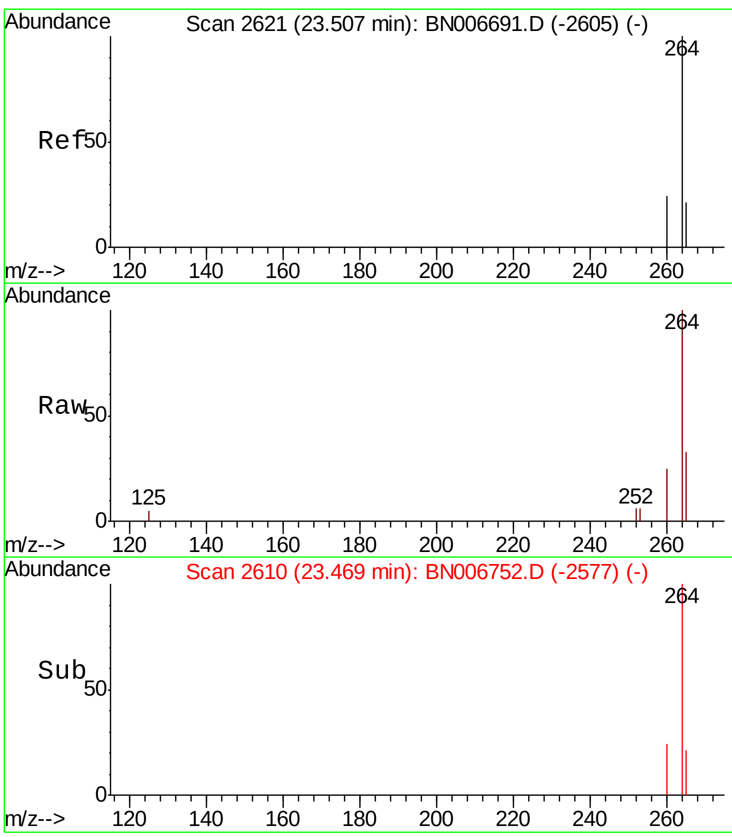
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.355 ng
RT: 25.70 min Scan# 3261
Delta R.T. -0.05 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument : BNA_N
ClientSampleId : PB121057BSD

Tgt Ion:276 Resp: 19536

Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.5	29.3
277	24.8	19.7	29.5

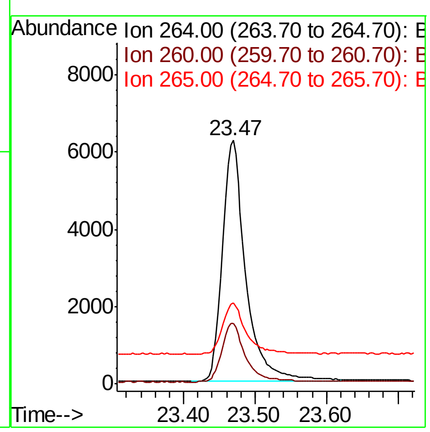


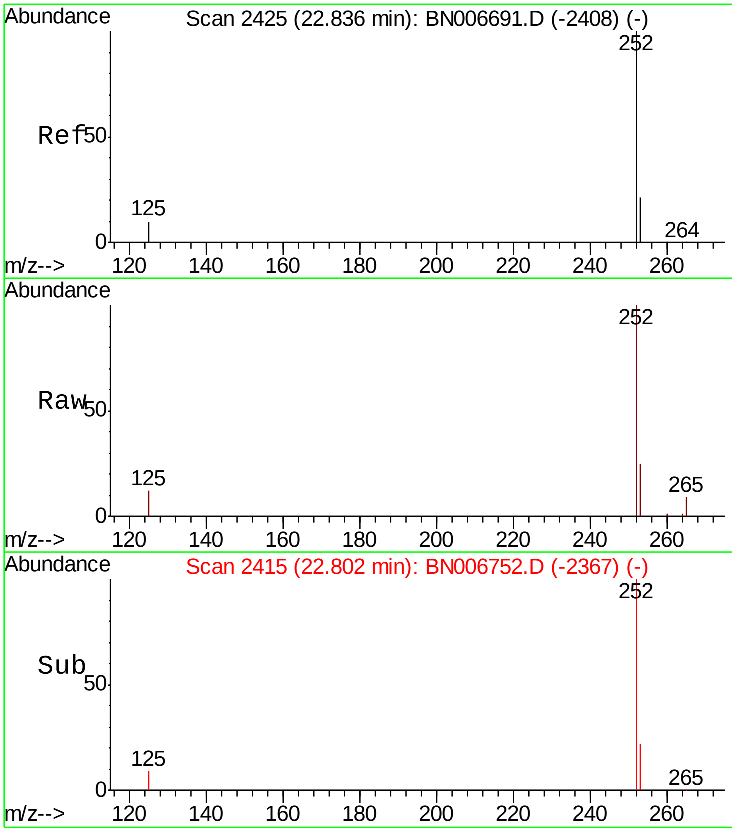


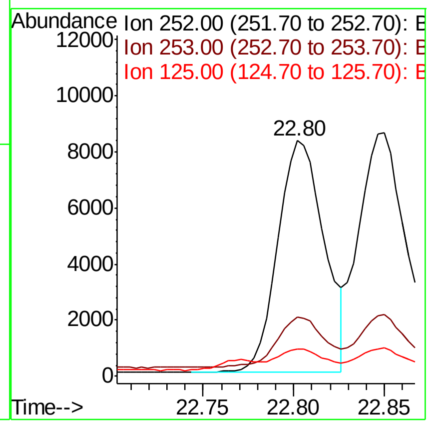
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2610
Delta R.T. -0.04 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:264 Resp: 14226

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.2
265	33.4	33.7	50.5#





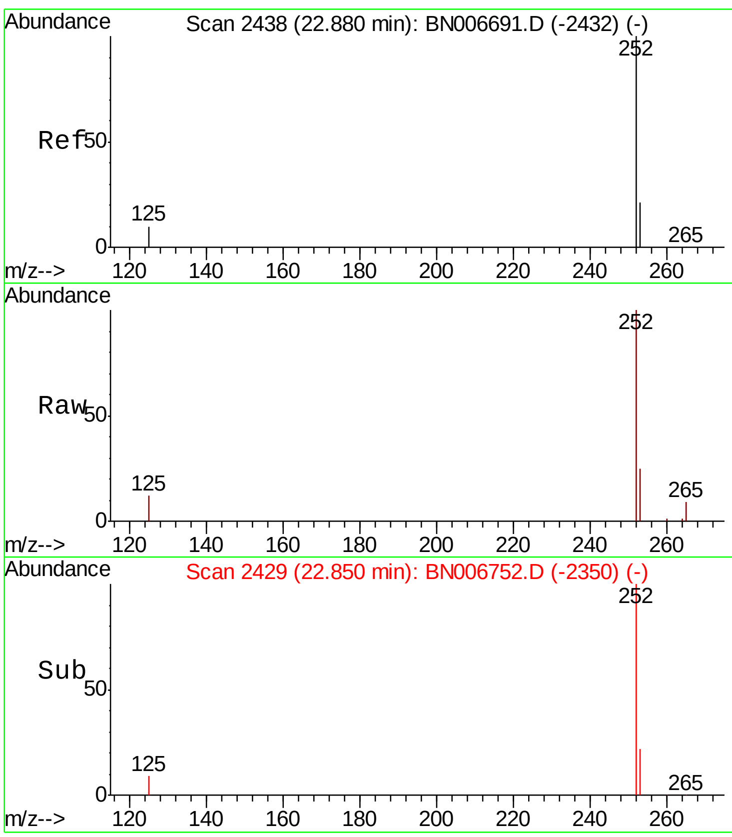


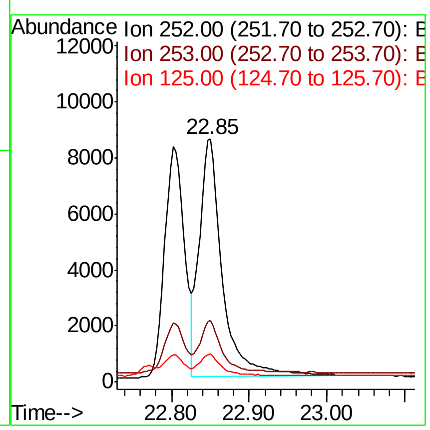
#35
Benzo(b)fluoranthene
Concen: 0.320 ng
RT: 22.80 min Scan# 2415
Delta R.T. -0.03 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument :
BNA_N
ClientSampleId :
PB121057BSD

Tgt Ion:252 Resp: 14602

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.2	30.2
125	11.5	11.5	17.3

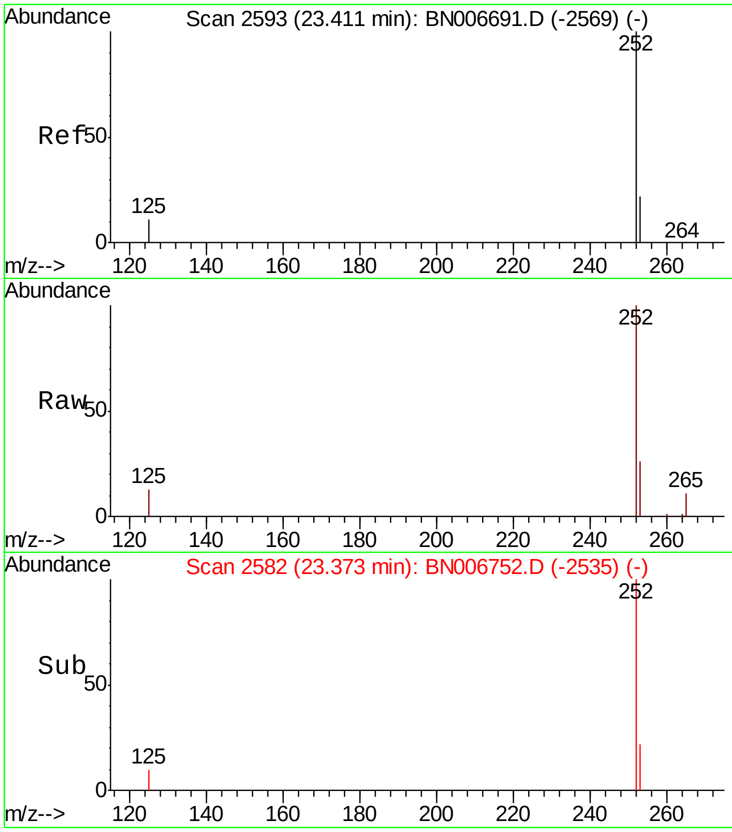




#36
Benzo(k)fluoranthene
Concen: 0.354 ng
RT: 22.85 min Scan# 2429
Delta R.T. -0.03 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Tgt Ion:252 Resp: 17525

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.1	30.1
125	11.7	11.4	17.0

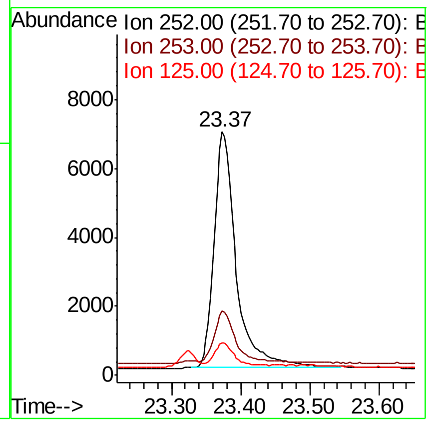


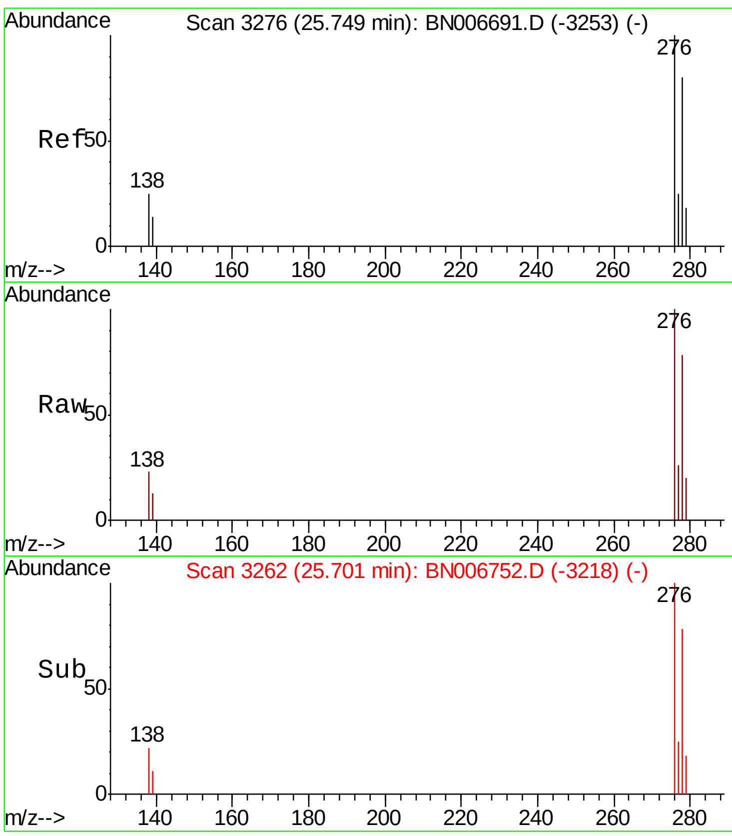
#37
Benzo(a)pyrene
Concen: 0.344 ng
RT: 23.37 min Scan# 2582
Delta R.T. -0.04 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument :
BNA_N
ClientSampleId :
PB121057BSD

Tgt Ion:252 Resp: 15215

Ion	Ratio	Lower	Upper
252	100		
253	26.2	21.4	32.2
125	13.2	13.3	19.9#

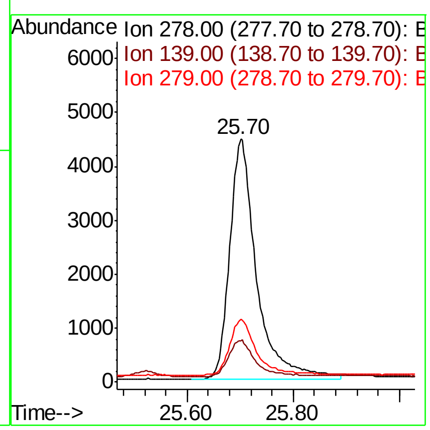


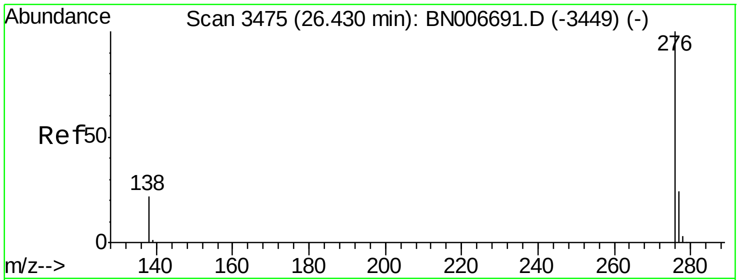


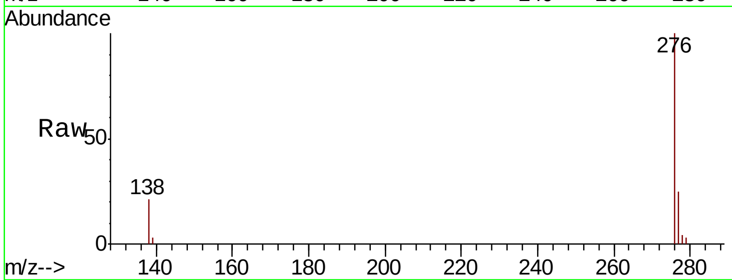
#38
Dibenzo(a,h)anthracene
Concen: 0.356 ng
RT: 25.70 min Scan# 3262
Delta R.T. -0.05 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

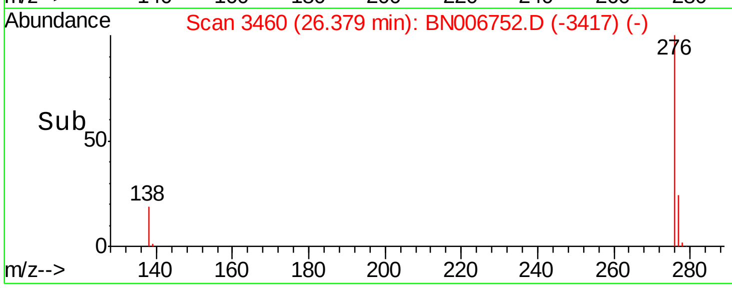
Tgt Ion:278 Resp: 15664

Ion	Ratio	Lower	Upper
278	100		
139	17.1	16.2	24.4
279	25.8	20.7	31.1









#39
Benzo(g,h,i)perylene
Concen: 0.377 ng
RT: 26.38 min Scan# 3460
Delta R.T. -0.05 min
Lab File: BN006752.D
Acq: 08 Jul 2019 11:28

Instrument :
BNA_N
ClientSampleId :
PB121057BSD

Tgt Ion:276 Resp: 17047

Ion	Ratio	Lower	Upper
276	100		
277	25.1	20.6	30.8
138	21.4	19.7	29.5