Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
Data File : BN006716.D
Acq On : 05 Jul 2019 15:24
Operator : HP/JU
Sample : K3560-12MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-009-B218-062419MSD

Quant Time: Jul 05 22:50:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 05 05:30:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	3273	0.40	ng	-0.03
7) Naphthalene-d8	10.36	136	12690	0.40	ng	-0.03
13) Acenaphthene-d10	14.24	164	7050	0.40	ng	-0.02
19) Phenanthrene-d10	17.00	188	16040	0.40	ng	-0.02
27) Chrysene-d12	21.23	240	15674	0.40	ng	-0.03
34) Perylene-d12	23.46	264	18312	0.40	ng	-0.05
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	3406	0.38	ng	-0.02
5) Phenol-d6	6.78	99	4970	0.44	ng	-0.05
8) Nitrobenzene-d5	8.75	82	3435	0.35	ng	-0.04
11) 2-Methylnaphthalene-d10	11.97	152	8755	0.46	ng	-0.03
14) 2,4,6-Tribromophenol	15.76	330	1335	0.39	ng	-0.03
15) 2-Fluorobiphenyl	12.86	172	9621	0.35	ng	-0.02
25) Fluoranthene-d10	19.05	212	16422	0.36	ng	-0.02
29) Terphenyl-d14	19.66	244	11621	0.32	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.12	88	1656	0.324	ng	# 30
3) n-Nitrosodimethylamine	3.44	42	1776	0.460	ng	# 98
6) bis(2-Chloroethyl)ether	7.02	93	3784	0.398	ng	93
9) Naphthalene	10.42	128	14097	0.406	ng	100
10) Hexachlorobutadiene	10.69	225	2547	0.362	ng	# 98
12) 2-Methylnaphthalene	12.04	142	9328	0.380	ng	99
16) Acenaphthylene	13.96	152	14718	0.419	ng	100
17) Acenaphthene	14.30	154	8909	0.398	ng	98
18) Fluorene	15.30	166	11268	0.405	ng	100
20) 4-Bromophenyl-phenylether	16.20	248	3690	0.390	ng	96
21) Hexachlorobenzene	16.31	284	4192	0.373	ng	99
22) Pentachlorophenol	16.72	266	198	0.243	ng	93
23) Phenanthrene	17.05	178	19082	0.413	ng	100
24) Anthracene	17.14	178	16252	0.389	ng	99
26) Fluoranthene	19.08	202	24366	0.449	ng	99
28) Pyrene	19.45	202	25956	0.414	ng	99
30) Benzo(a)anthracene	21.22	228	22330	0.413	ng	99
31) Chrysene	21.27	228	21867	0.392	ng	99
32) Bis(2-ethylhexyl)phthalate	21.14	149	17754	0.110	ng	100
33) Indeno(1,2,3-cd)pyrene	25.68	276	28281	0.424	ng	99
35) Benzo(b)fluoranthene	22.79	252	23463	0.399	ng	98
36) Benzo(k)fluoranthene	22.84	252	24178	0.379	ng	99
37) Benzo(a)pyrene	23.36	252	23034	0.405	ng	96
38) Dibenzo(a,h)anthracene	25.68	278	22651	0.400	ng	98
39) Benzo(g,h,i)perylene	26.36	276	24603	0.423	ng	96

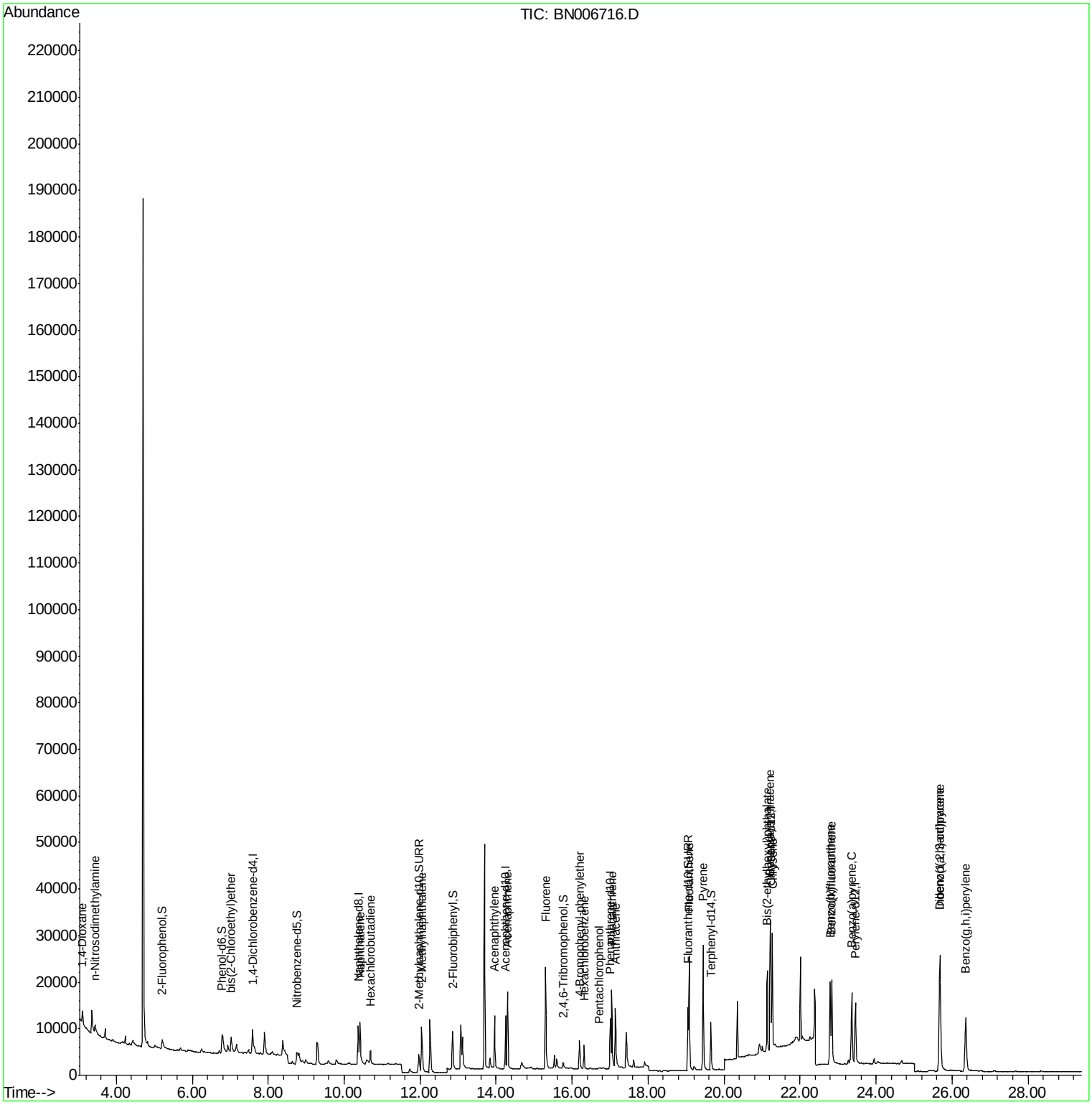
(#) = qualifier out of range (m) = manual integration (+) = signals summed

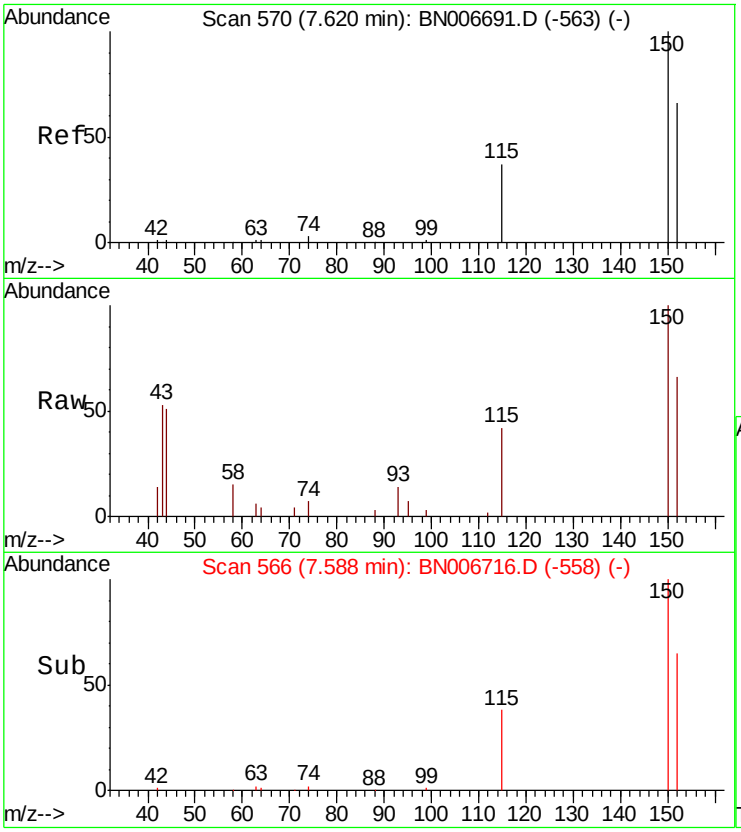
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
Data File : BN006716.D
Acq On : 05 Jul 2019 15:24
Operator : HP/JU
Sample : K3560-12MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Quant Time: Jul 05 22:50:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 05 05:30:28 2019
Response via : Initial Calibration



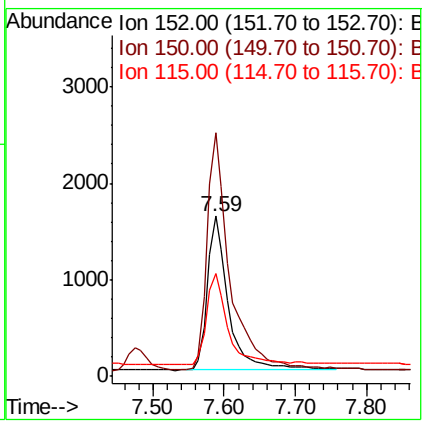


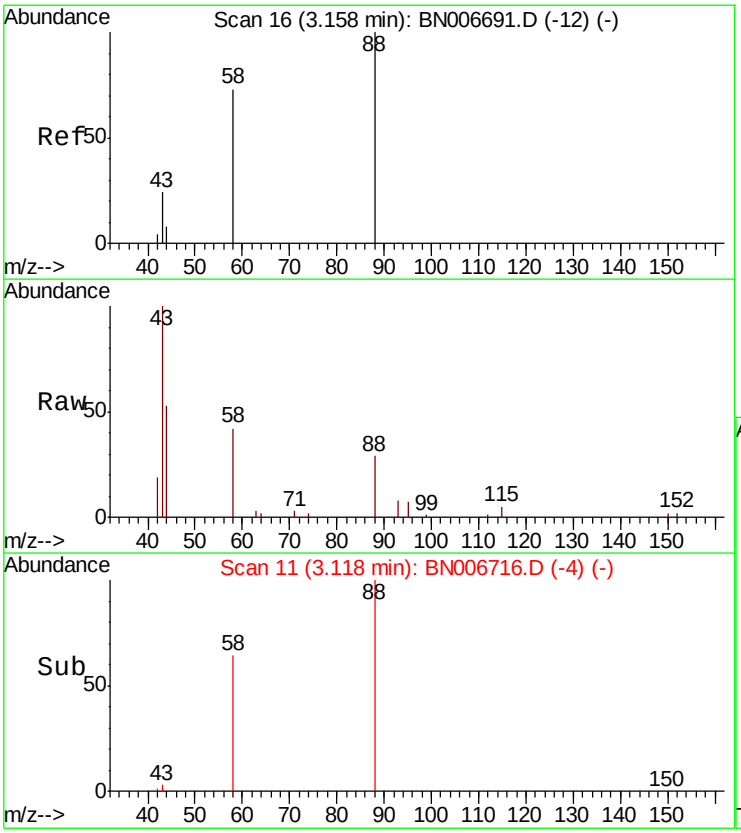
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.59 min Scan# 566
Delta R.T. -0.03 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:152 Resp: 3273

Ion	Ratio	Lower	Upper
152	100		
150	152.1	120.6	181.0
115	64.2	51.0	76.6

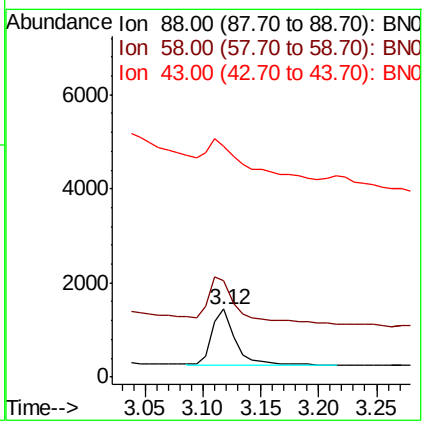


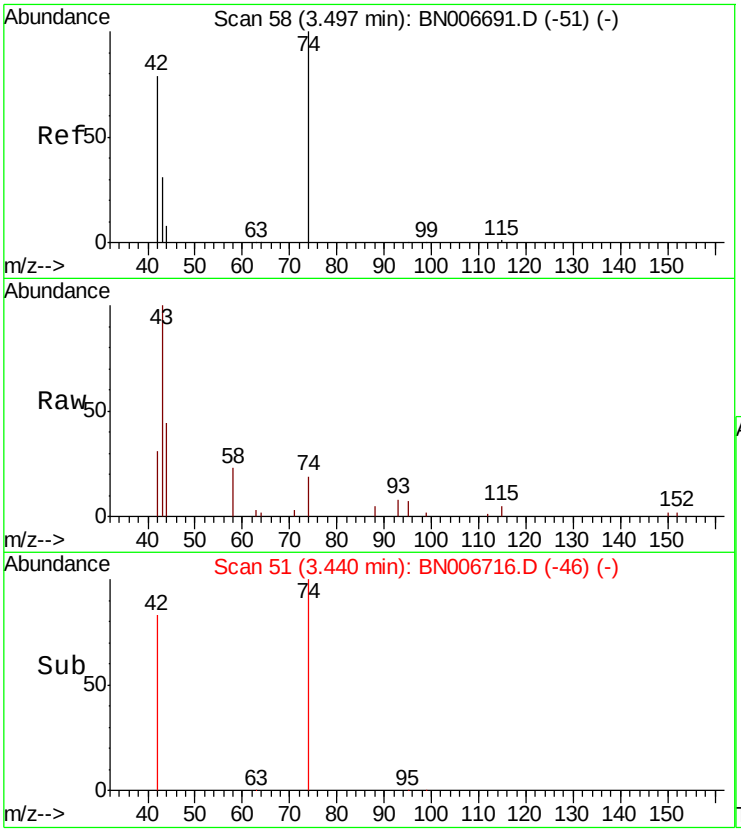


#2
1,4-Dioxane
Concen: 0.324 ng
RT: 3.12 min Scan# 11
Delta R.T. -0.04 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion: 88 Resp: 1656

Ion	Ratio	Lower	Upper
88	100		
58	113.5	61.1	91.7#
43	115.9	32.4	48.6#



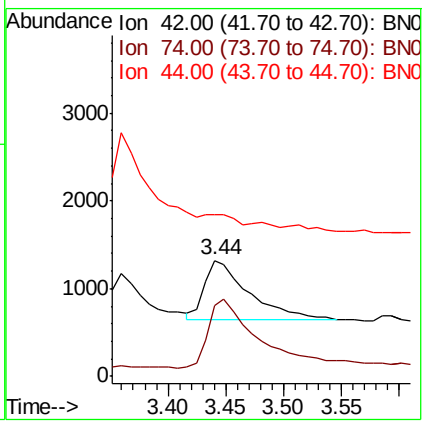


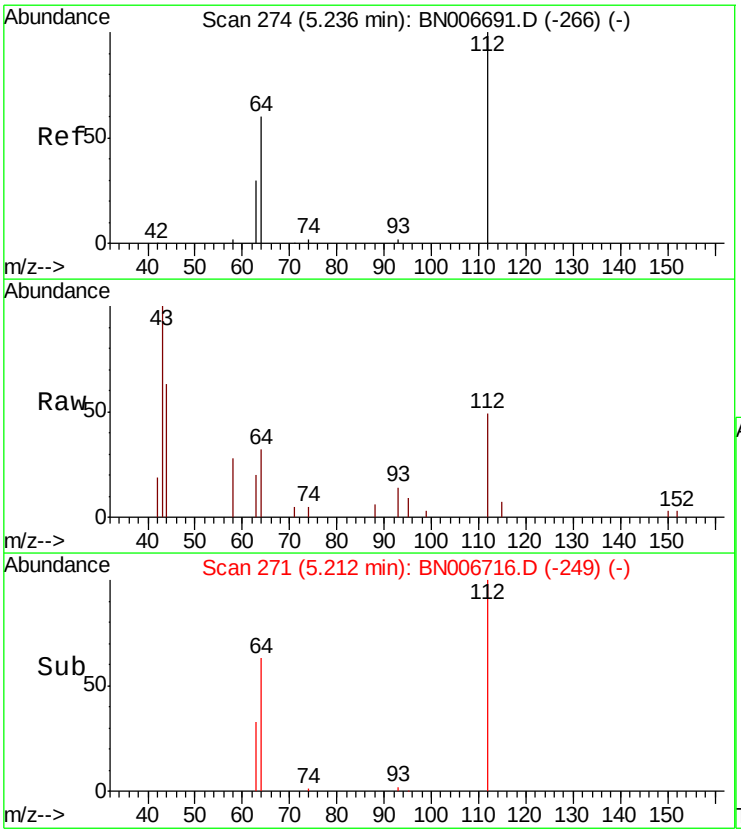
#3
n-Nitrosodimethylamine
Concen: 0.460 ng
RT: 3.44 min Scan# 51
Delta R.T. -0.06 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion: 42 Resp: 1776

Ion	Ratio	Lower	Upper
42	100		
74	133.6	106.6	160.0
44	0.0	8.0	12.0#

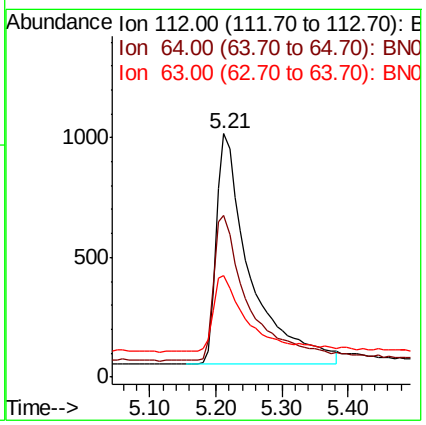


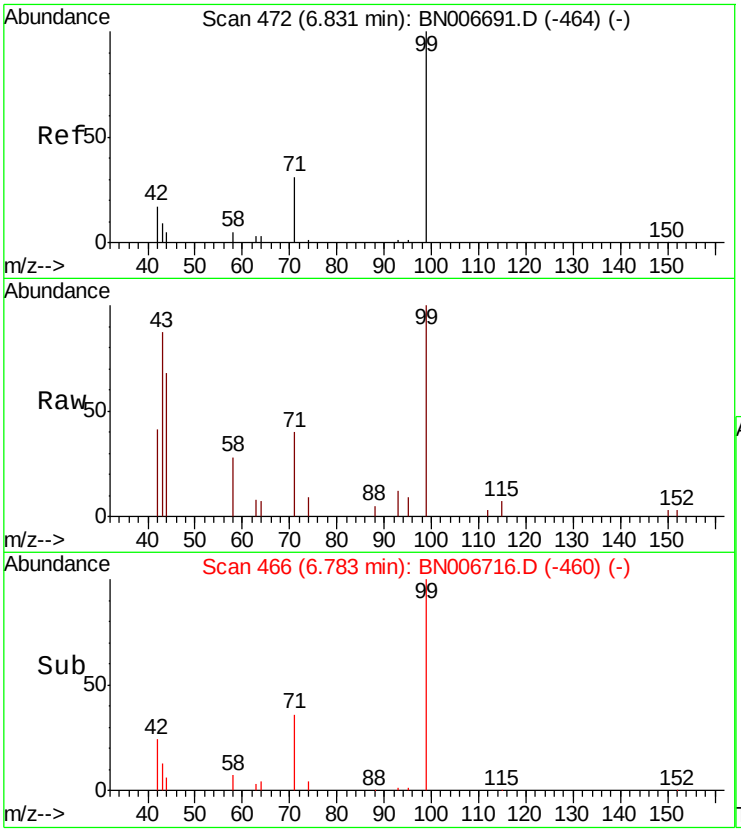


#4
2-Fluorophenol
Concen: 0.383 ng
RT: 5.21 min Scan# 271
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:112 Resp: 3406

Ion	Ratio	Lower	Upper
112	100		
64	65.1	49.8	74.6
63	32.9	25.8	38.6



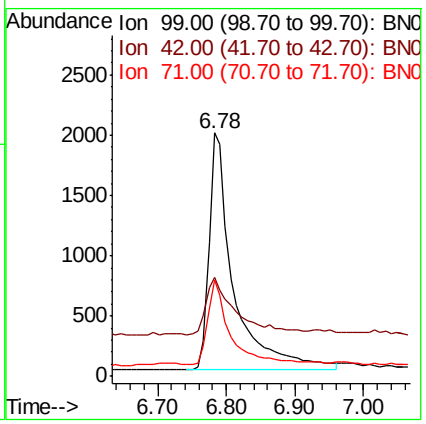


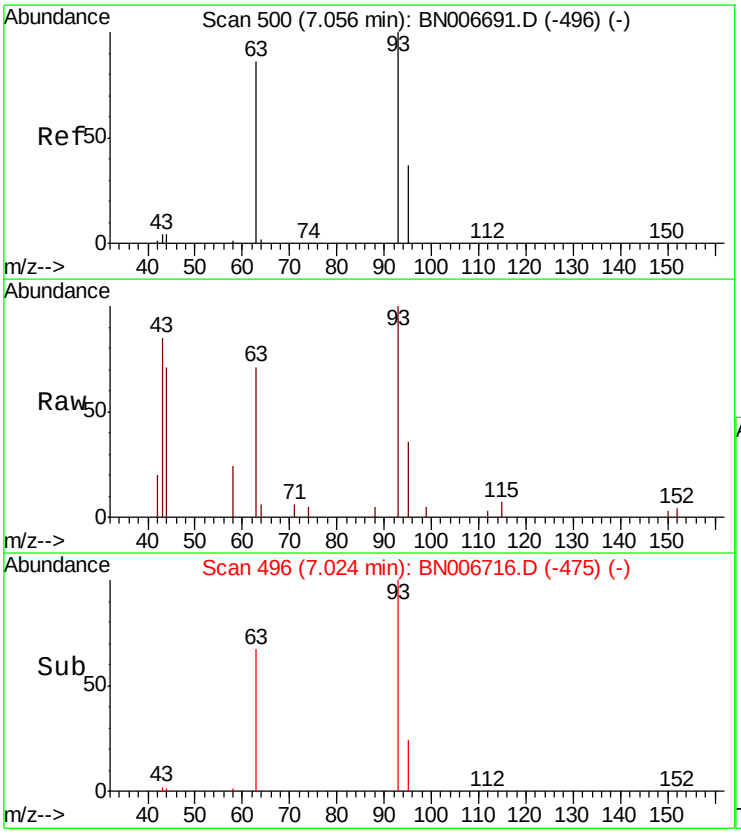
#5
Phenol-d6
Concen: 0.442 ng
RT: 6.78 min Scan# 466
Delta R.T. -0.05 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion: 99 Resp: 4970

Ion	Ratio	Lower	Upper
99	100		
42	29.1	16.6	25.0#
71	33.0	26.0	39.0

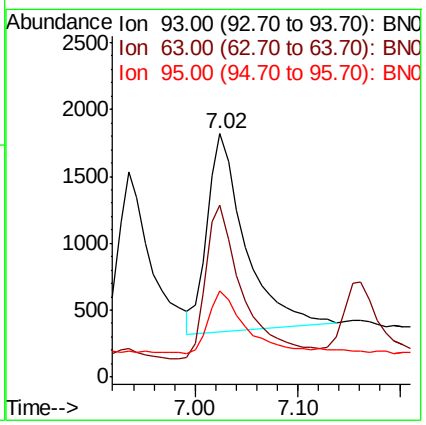


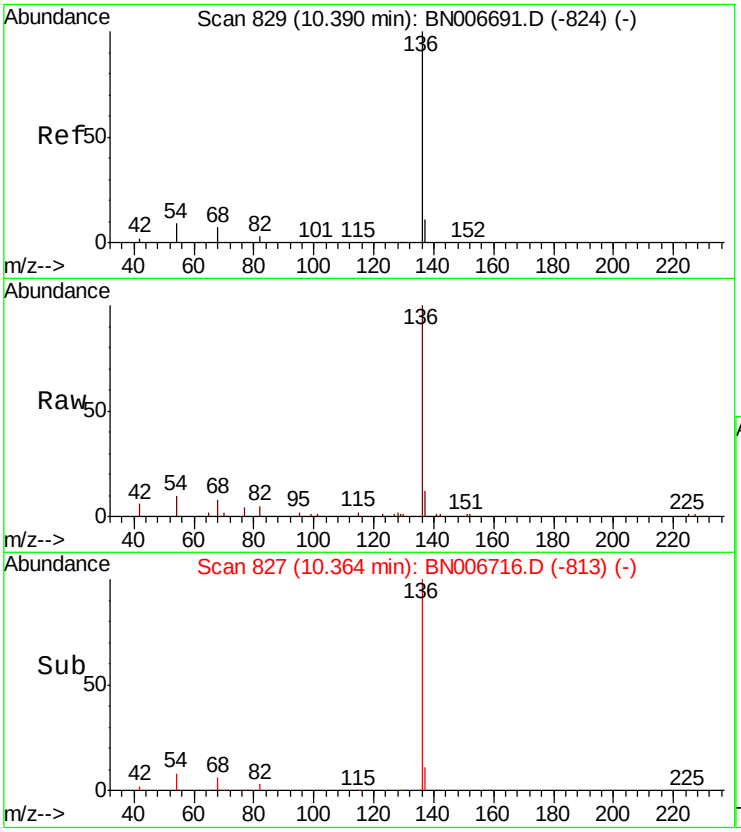


#6
bis(2-Chloroethyl)ether
Concen: 0.398 ng
RT: 7.02 min Scan# 496
Delta R.T. -0.03 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion: 93 Resp: 3784

Ion	Ratio	Lower	Upper
93	100		
63	78.1	58.6	87.8
95	29.6	28.3	42.5



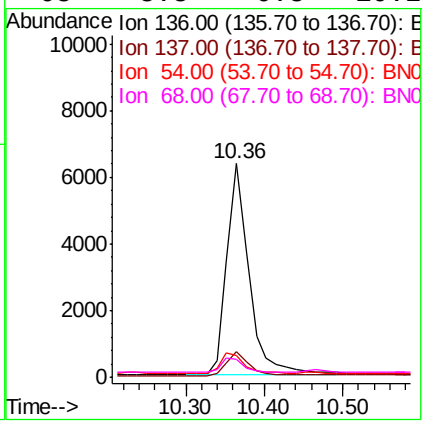


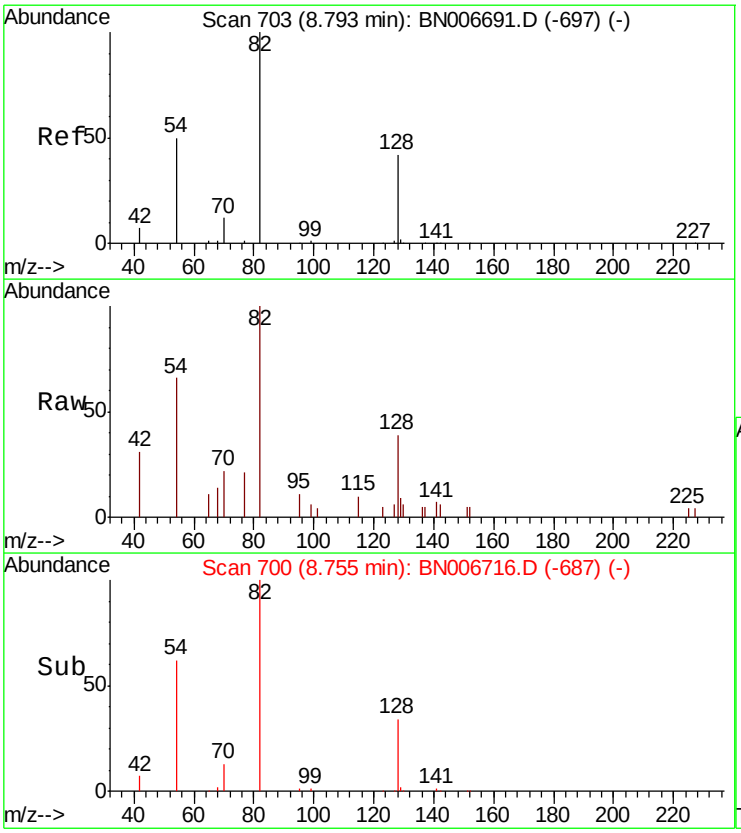
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.36 min Scan# 827
Delta R.T. -0.03 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:136 Resp: 12690

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.3	13.9
54	9.9	8.4	12.6
68	8.3	6.8	10.2

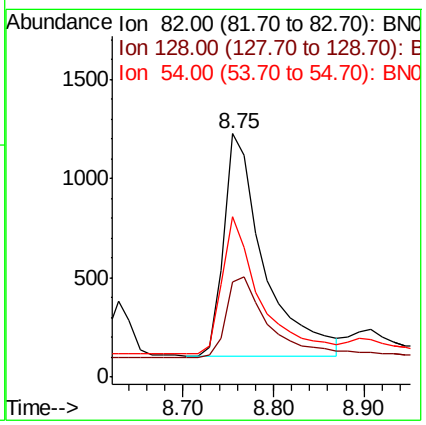


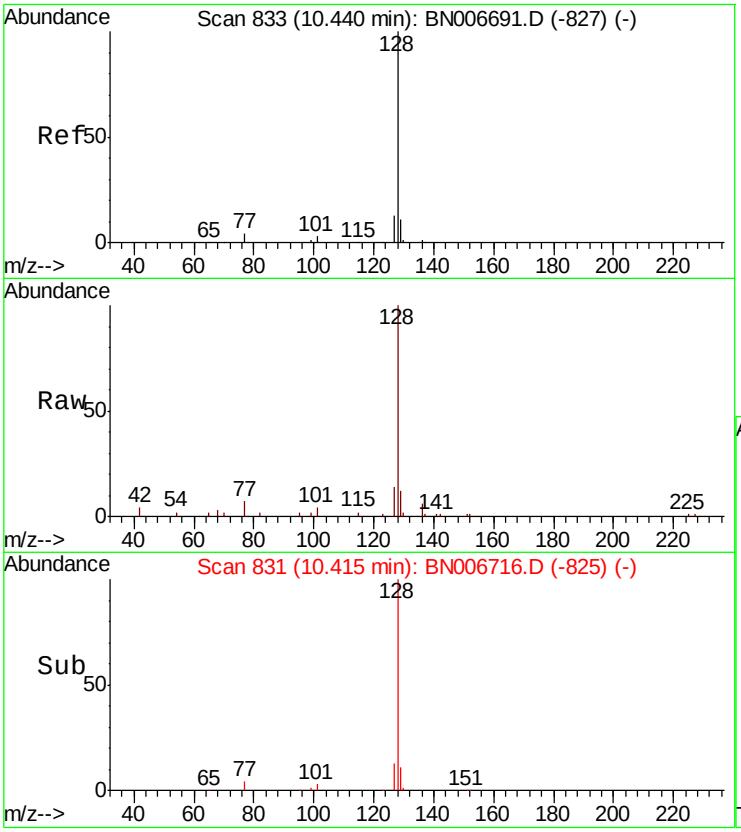


#8
Nitrobenzene-d5
Concen: 0.353 ng
RT: 8.75 min Scan# 700
Delta R.T. -0.04 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion: 82 Resp: 3435

Ion	Ratio	Lower	Upper
82	100		
128	39.1	36.1	54.1
54	65.7	44.5	66.7



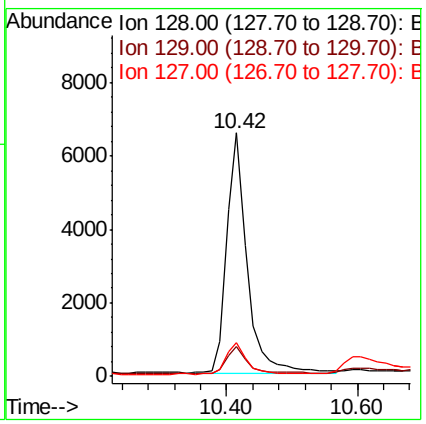


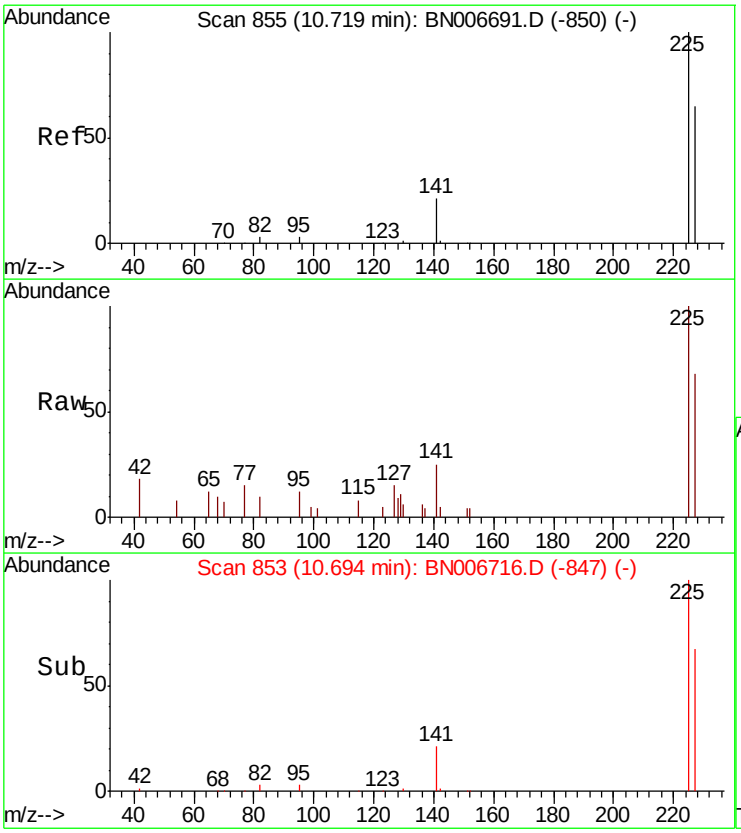
#9
Naphthalene
Concen: 0.406 ng
RT: 10.42 min Scan# 831
Delta R.T. -0.03 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:128 Resp: 14097

Ion	Ratio	Lower	Upper
128	100		
129	12.1	9.6	14.4
127	13.7	11.0	16.4

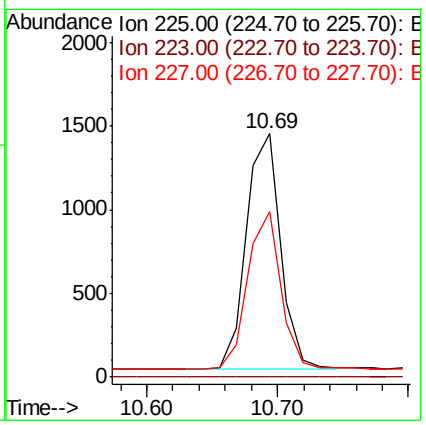


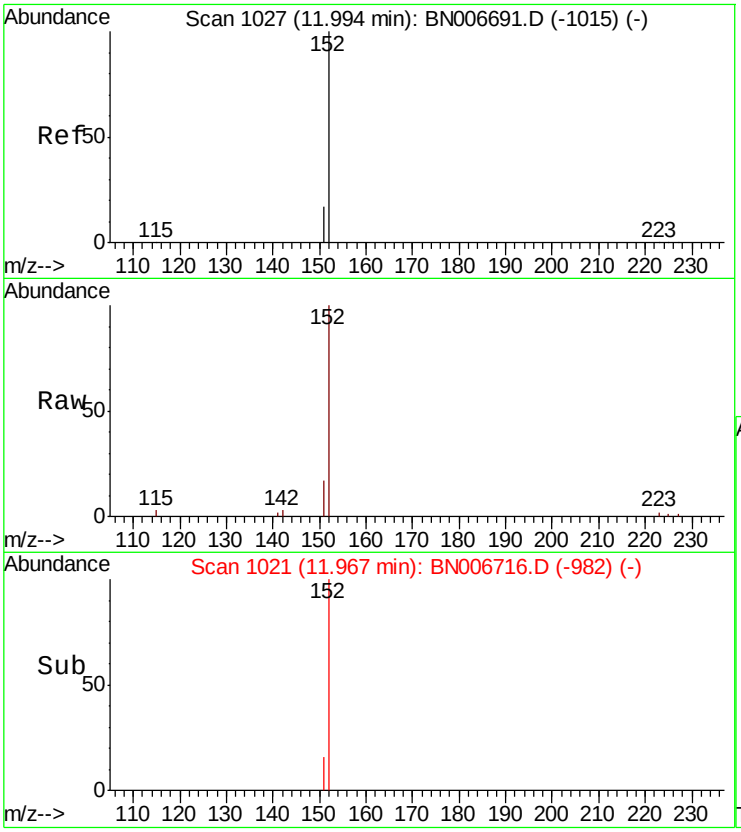


#10
Hexachlorobutadiene
Concen: 0.362 ng
RT: 10.69 min Scan# 853
Delta R.T. -0.03 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:225 Resp: 2547

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.1	50.9	76.3



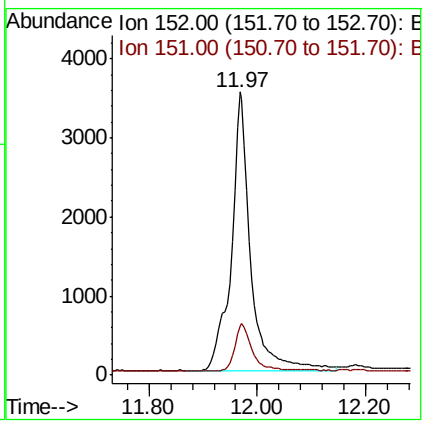


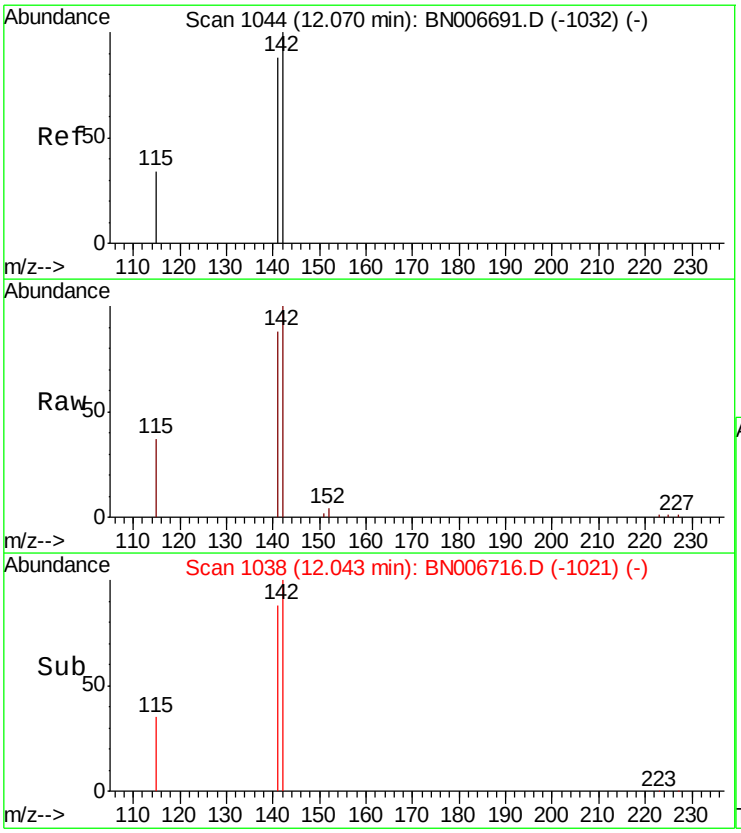
#11
2-Methylnaphthalene-d10
Concen: 0.459 ng
RT: 11.97 min Scan# 1021
Delta R.T. -0.03 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:152 Resp: 8755

Ion	Ratio	Lower	Upper
152	100		
151	14.7	14.9	22.3#

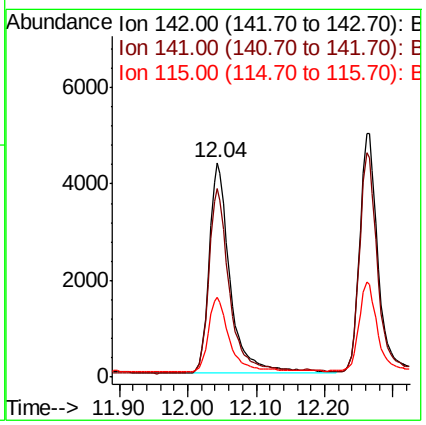


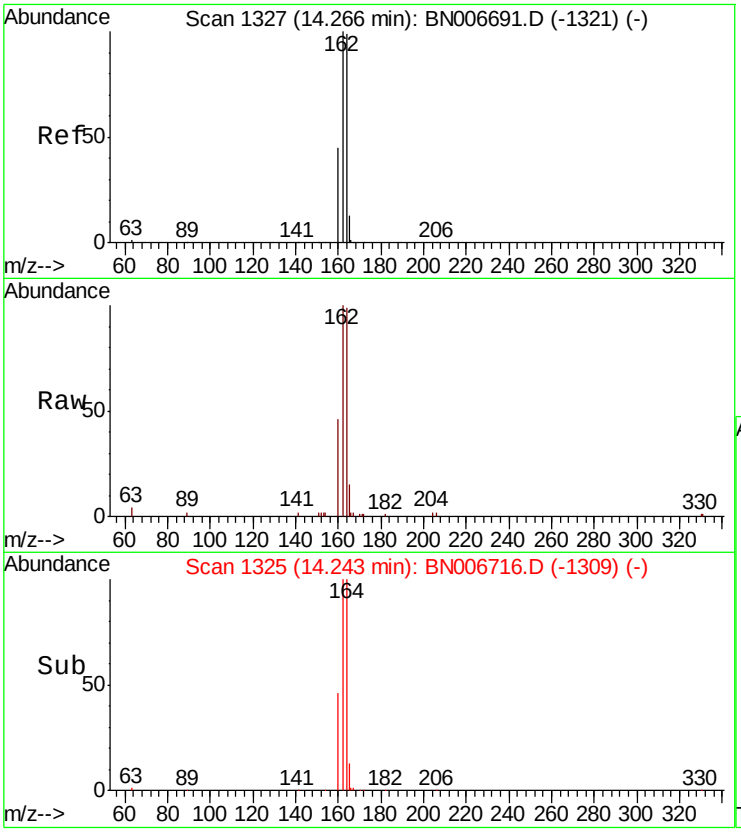


#12
2-Methylnaphthalene
Concen: 0.380 ng
RT: 12.04 min Scan# 1038
Delta R.T. -0.03 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:142 Resp: 9328

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.3	105.5
115	37.1	28.9	43.3



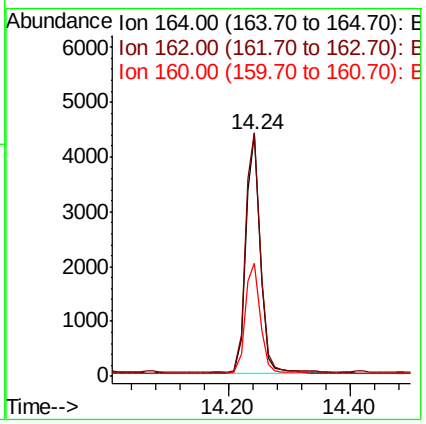


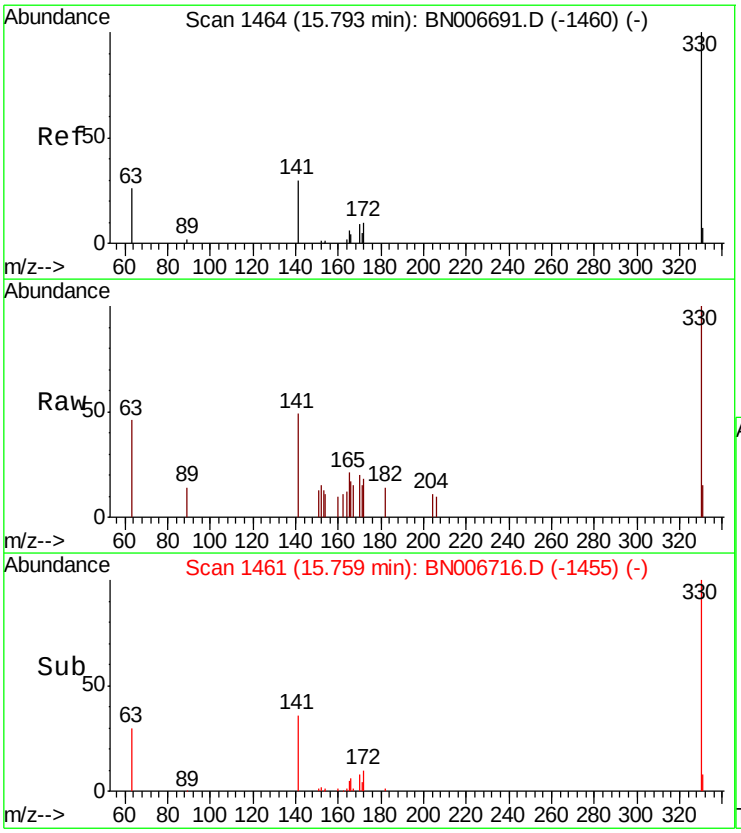
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:164 Resp: 7050

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.8	121.2
160	46.6	37.0	55.6

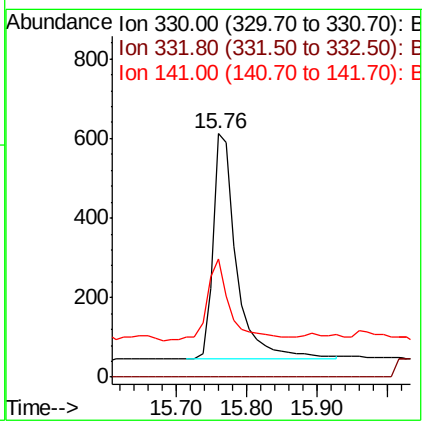


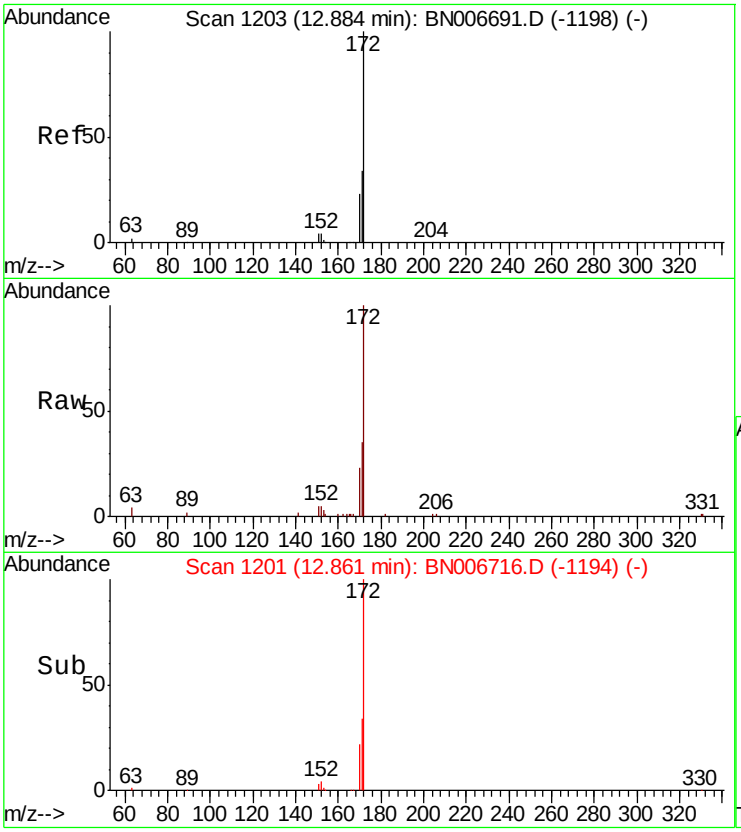


#14
2,4,6-Tribromophenol
Concen: 0.385 ng
RT: 15.76 min Scan# 1461
Delta R.T. -0.03 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:330 Resp: 1335

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.8	24.8	37.2



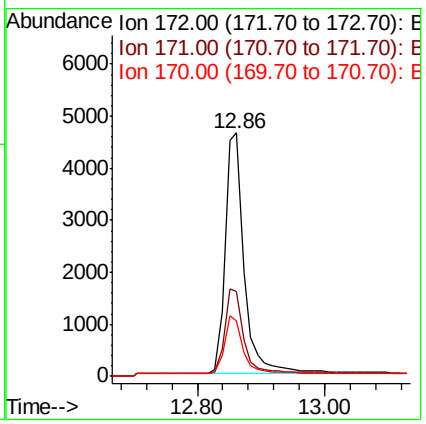


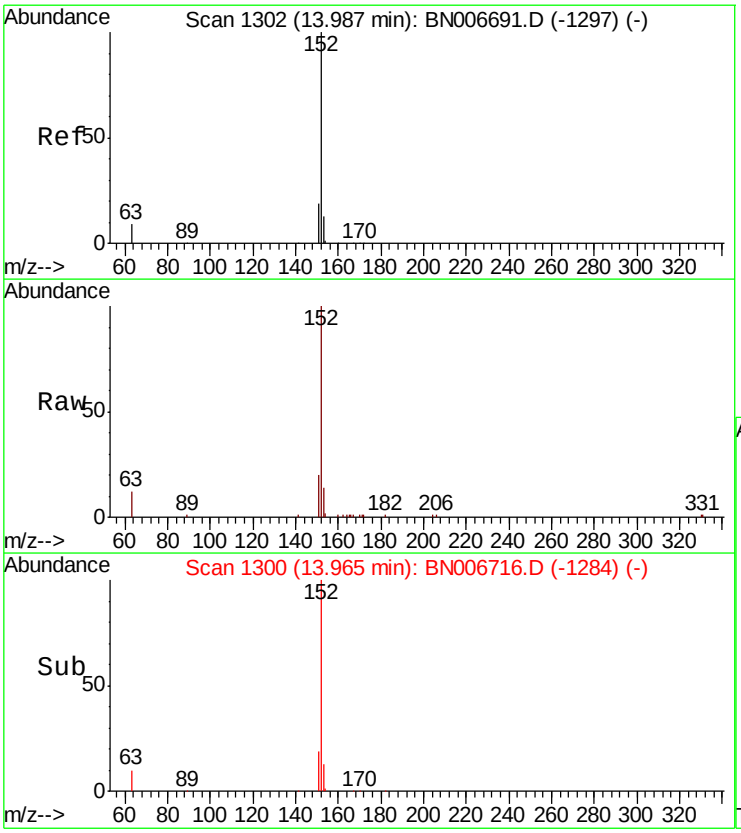
#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 12.86 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:172 Resp: 9621

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	22.5	18.9	28.3

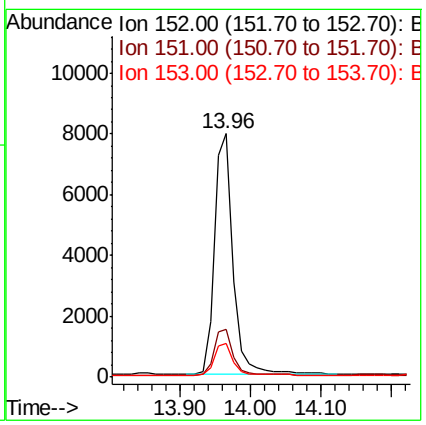


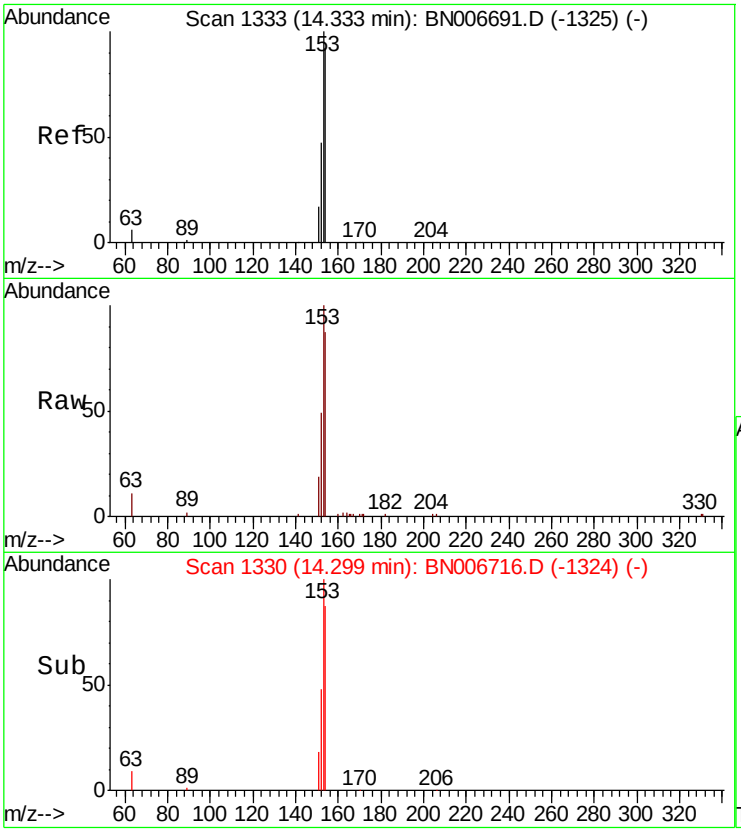


#16
Acenaphthylene
Concen: 0.419 ng
RT: 13.96 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:152 Resp: 14718

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.2	10.6	15.8



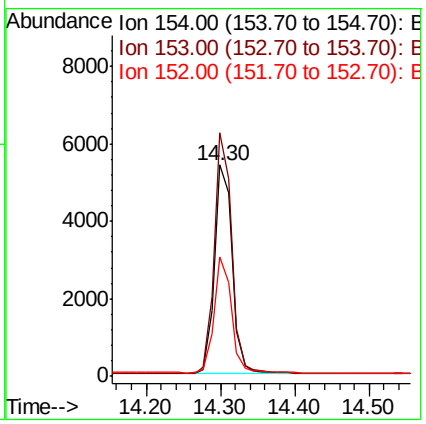


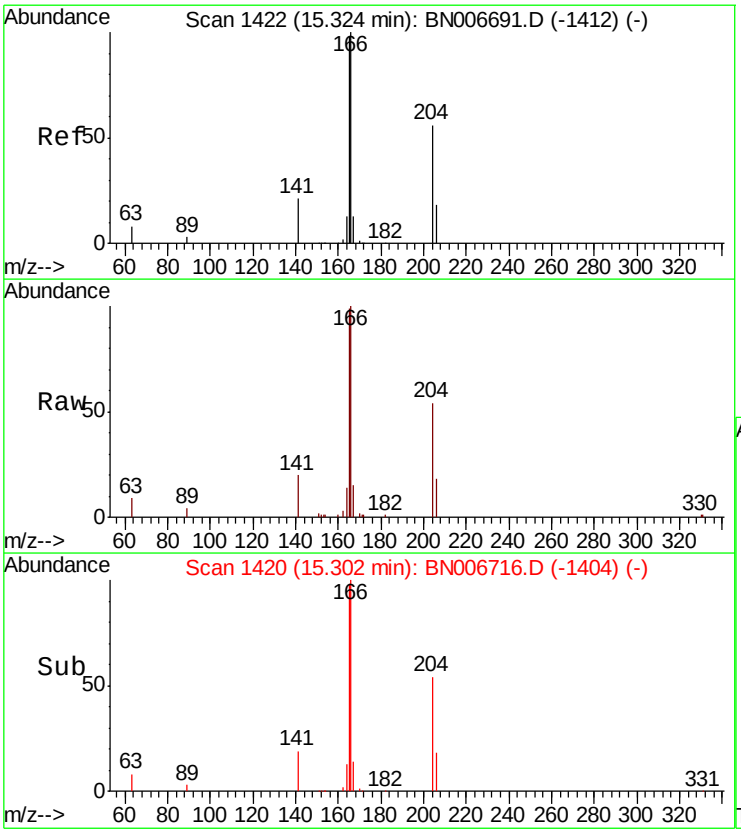
#17
Acenaphthene
Concen: 0.398 ng
RT: 14.30 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:154 Resp: 8909

Ion	Ratio	Lower	Upper
154	100		
153	113.7	88.9	133.3
152	54.5	42.8	64.2

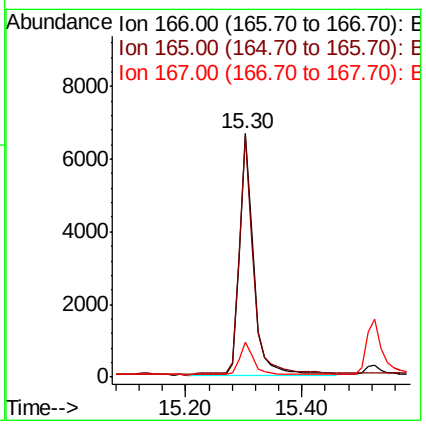


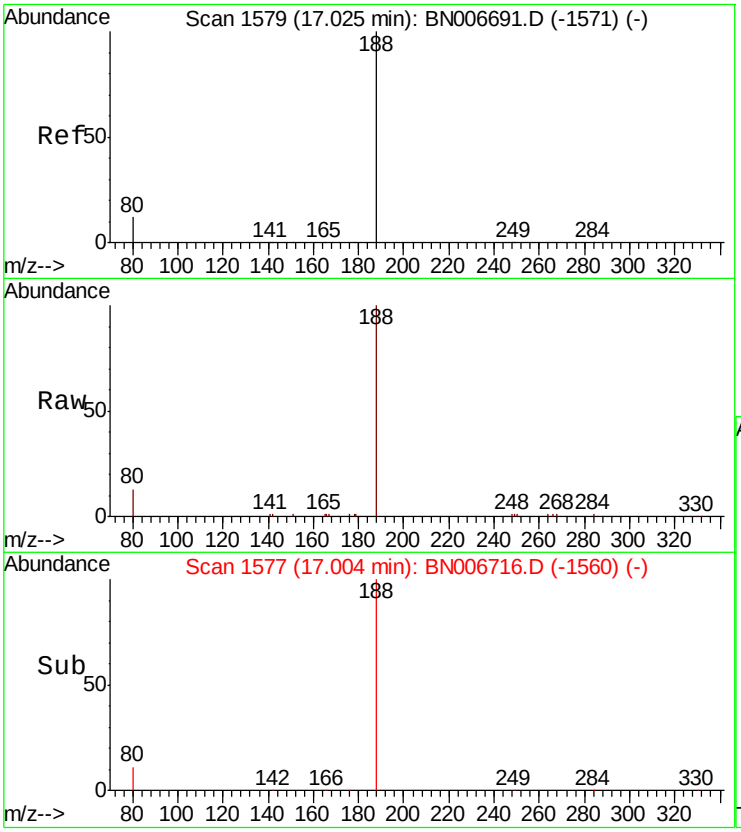


#18
Fluorene
Concen: 0.405 ng
RT: 15.30 min Scan# 1420
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:166 Resp: 11268

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.0	117.0
167	13.5	10.7	16.1



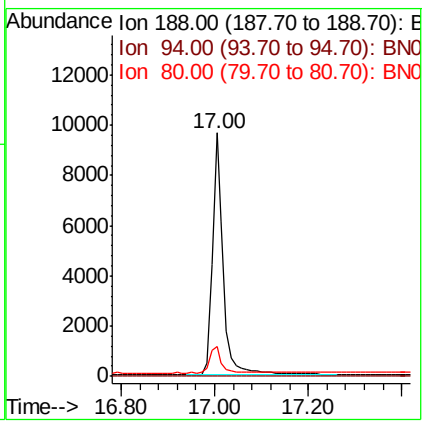


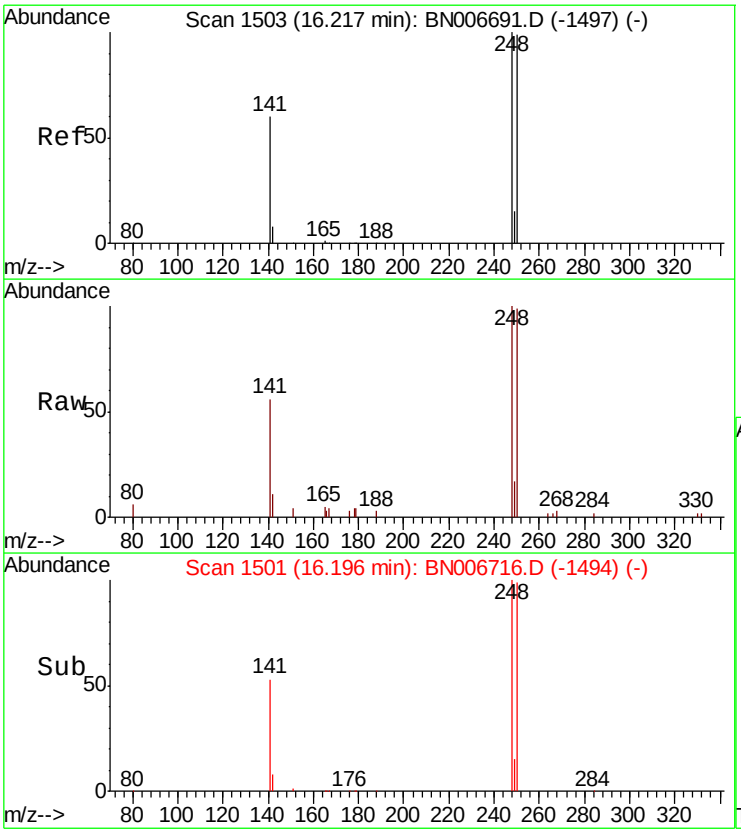
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.00 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:188 Resp: 16040

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.5	10.3	15.5

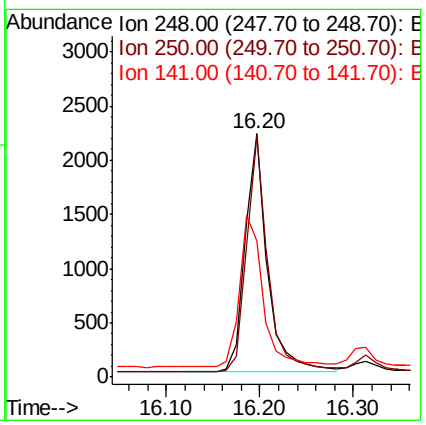


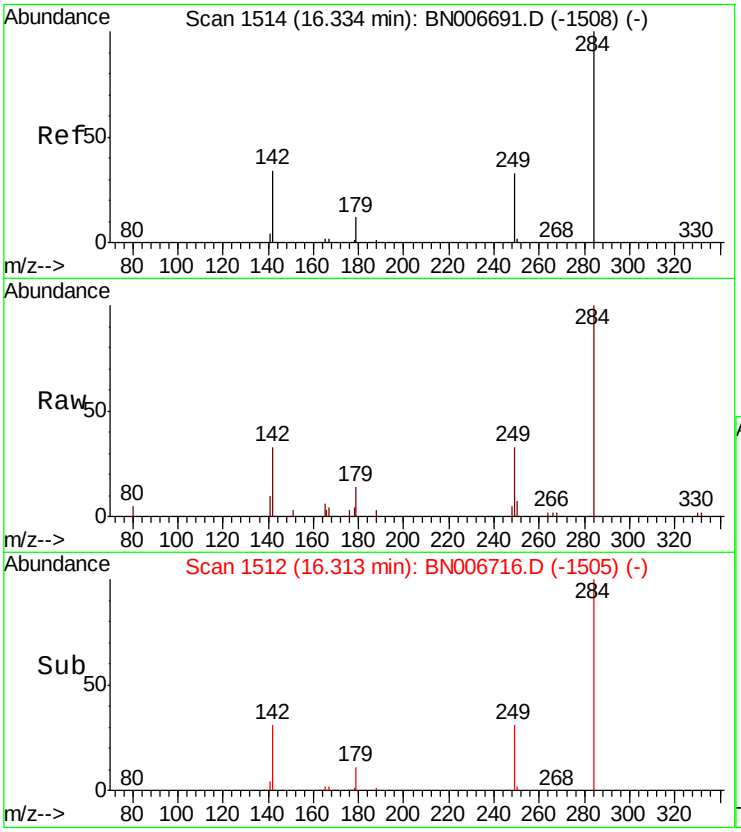


#20
4-Bromophenyl-phenylether
Concen: 0.390 ng
RT: 16.20 min Scan# 1501
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:248 Resp: 3690

Ion	Ratio	Lower	Upper
248	100		
250	99.2	79.0	118.6
141	55.9	50.2	75.4



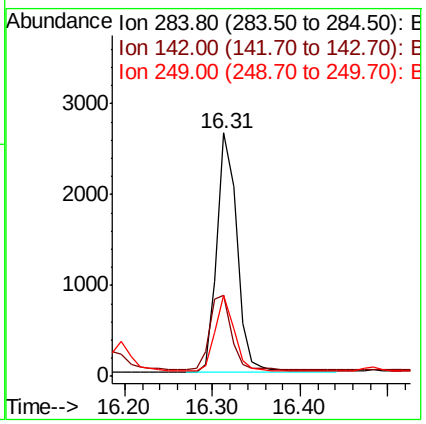


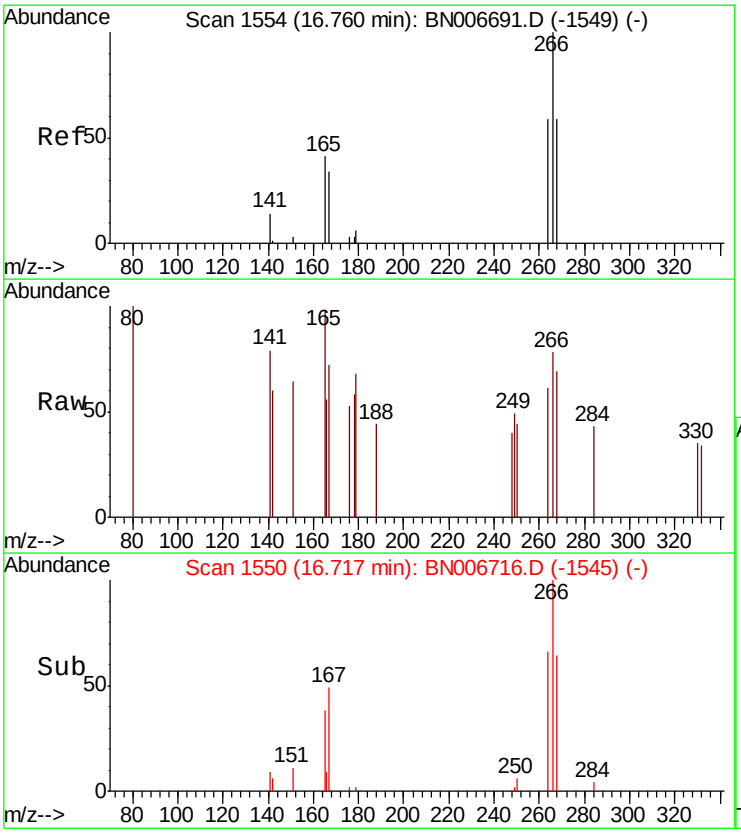
#21
Hexachlorobenzene
Concen: 0.373 ng
RT: 16.31 min Scan# 1512
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:284 Resp: 4192

Ion	Ratio	Lower	Upper
284	100		
142	33.4	26.9	40.3
249	29.6	24.4	36.6

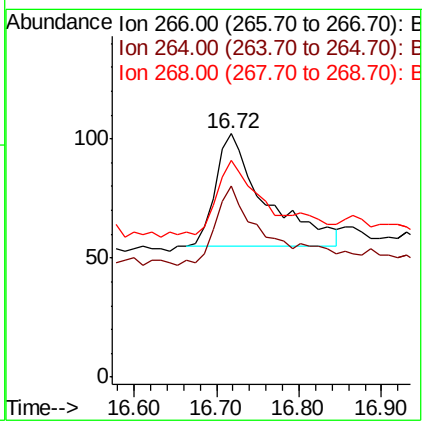


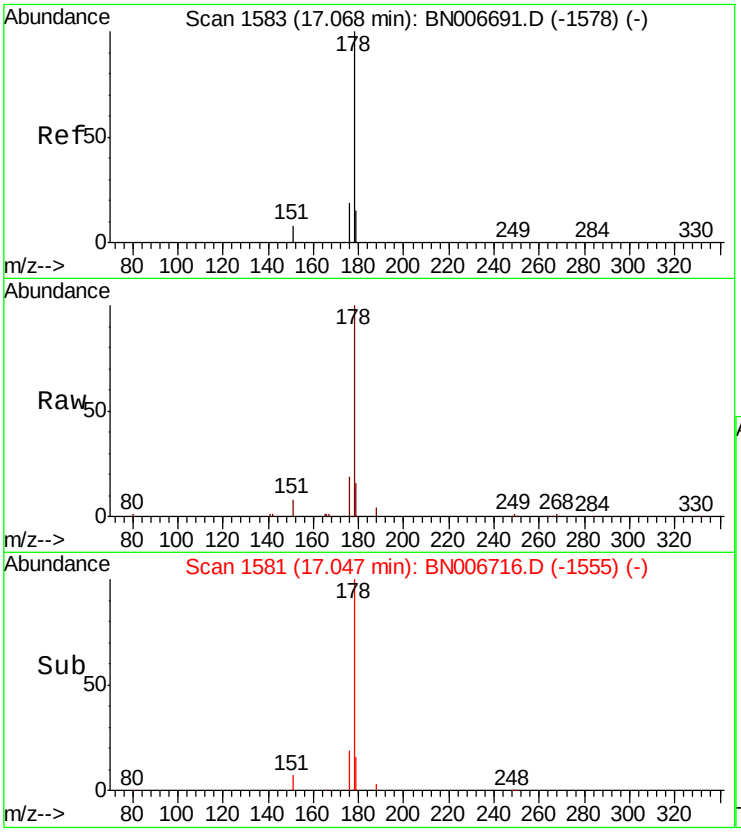


#22
Pentachlorophenol
Concen: 0.243 ng
RT: 16.72 min Scan# 1550
Delta R.T. -0.04 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:266 Resp: 198

Ion	Ratio	Lower	Upper
266	100		
264	78.4	57.6	86.4
268	89.2	66.6	99.8



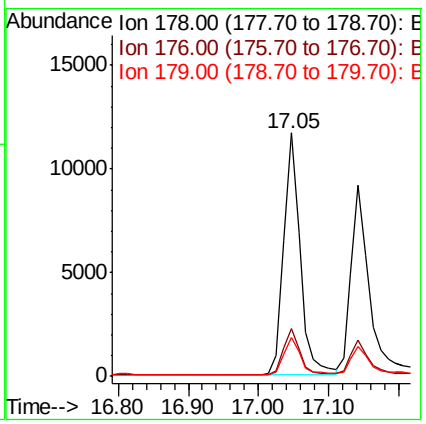


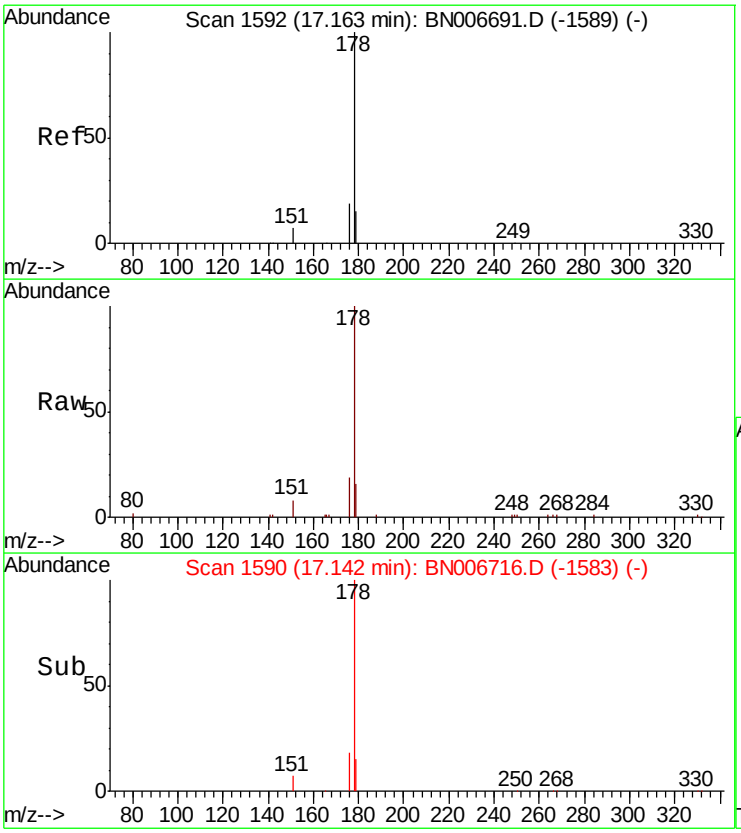
#23
Phenanthrene
Concen: 0.413 ng
RT: 17.05 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:178 Resp: 19082

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.8	12.4	18.6

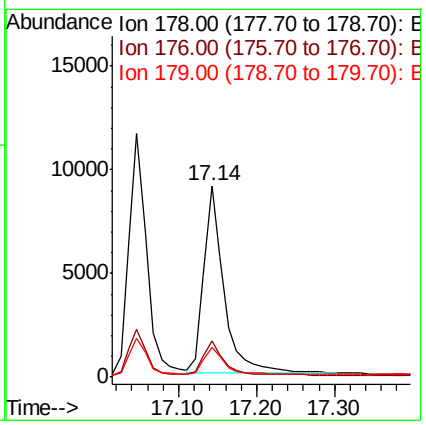


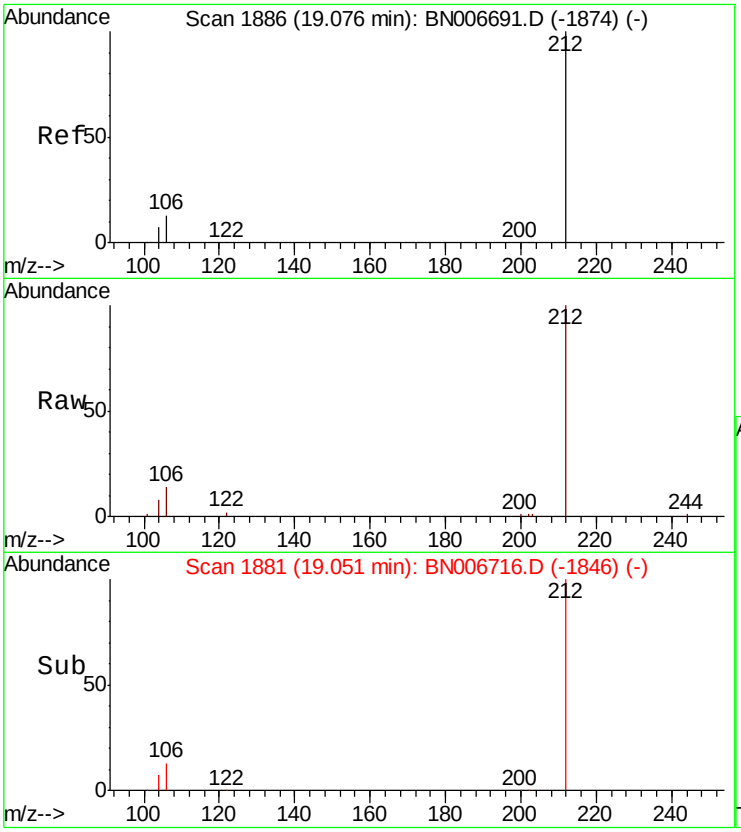


#24
Anthracene
Concen: 0.389 ng
RT: 17.14 min Scan# 1590
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:178 Resp: 16252

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.8	22.2
179	14.8	11.9	17.9



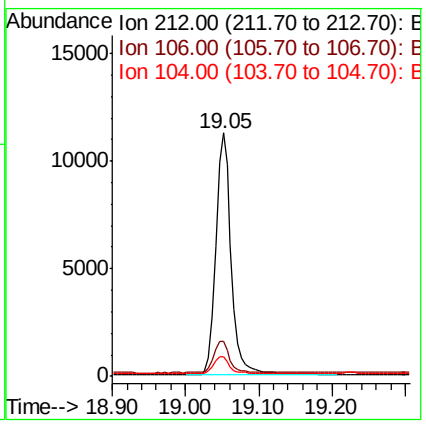


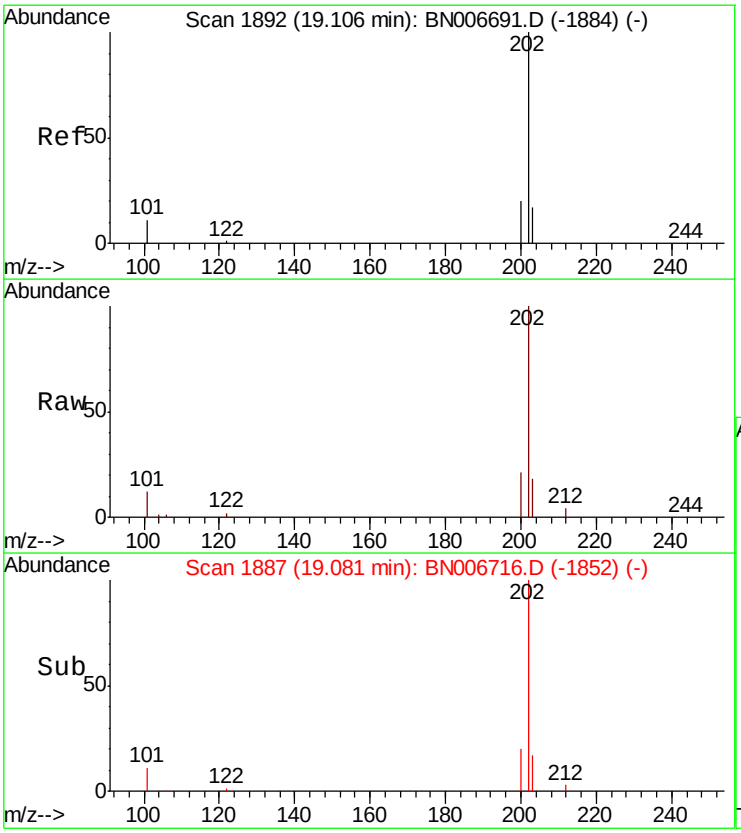
#25
Fluoranthene-d10
Concen: 0.358 ng
RT: 19.05 min Scan# 1881
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:212 Resp: 16422

Ion	Ratio	Lower	Upper
212	100		
106	13.3	11.0	16.6
104	7.7	6.1	9.1

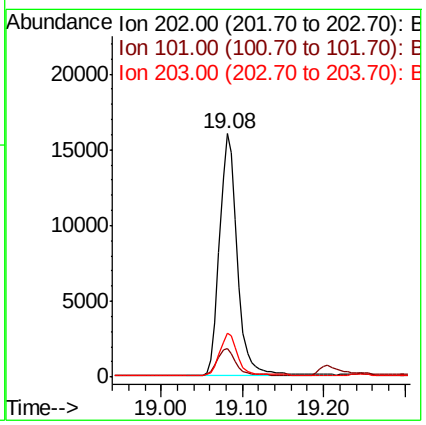


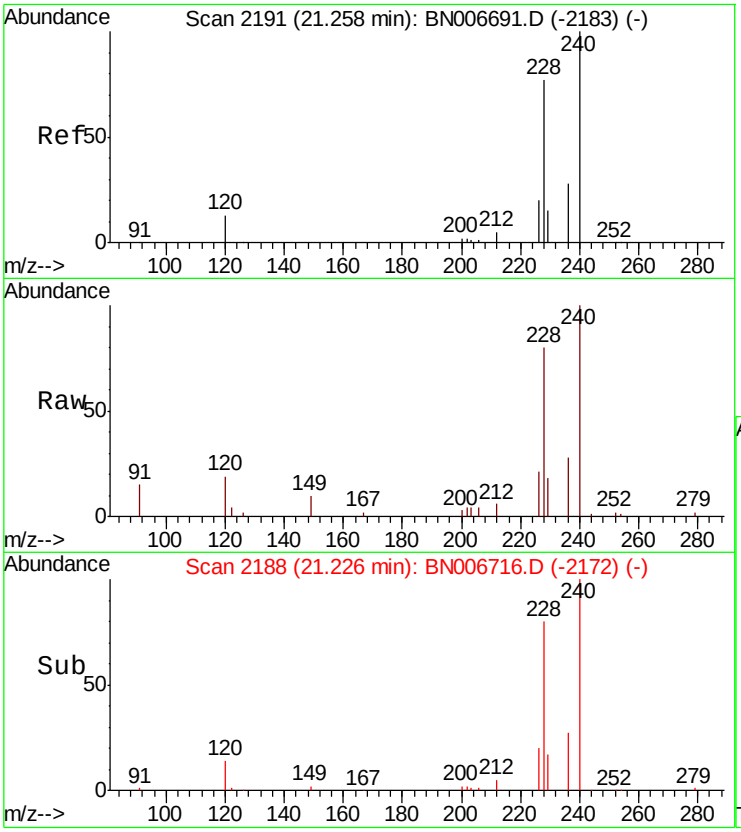


#26
Fluoranthene
Concen: 0.449 ng
RT: 19.08 min Scan# 1887
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:202 Resp: 24366

Ion	Ratio	Lower	Upper
202	100		
101	12.0	8.7	13.1
203	17.3	13.8	20.6



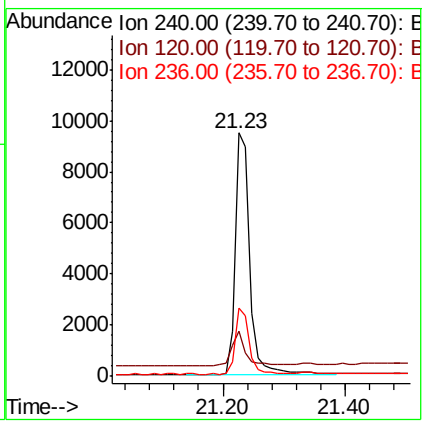


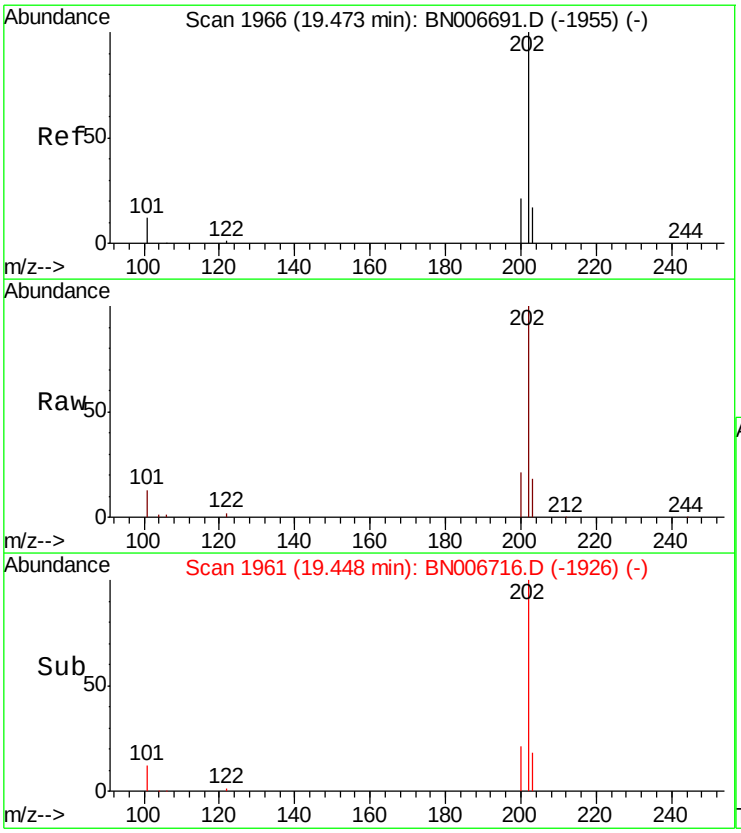
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:240 Resp: 15674

Ion	Ratio	Lower	Upper
240	100		
120	18.6	12.9	19.3
236	28.2	23.2	34.8

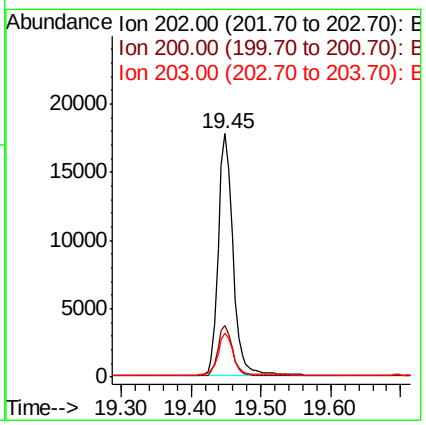


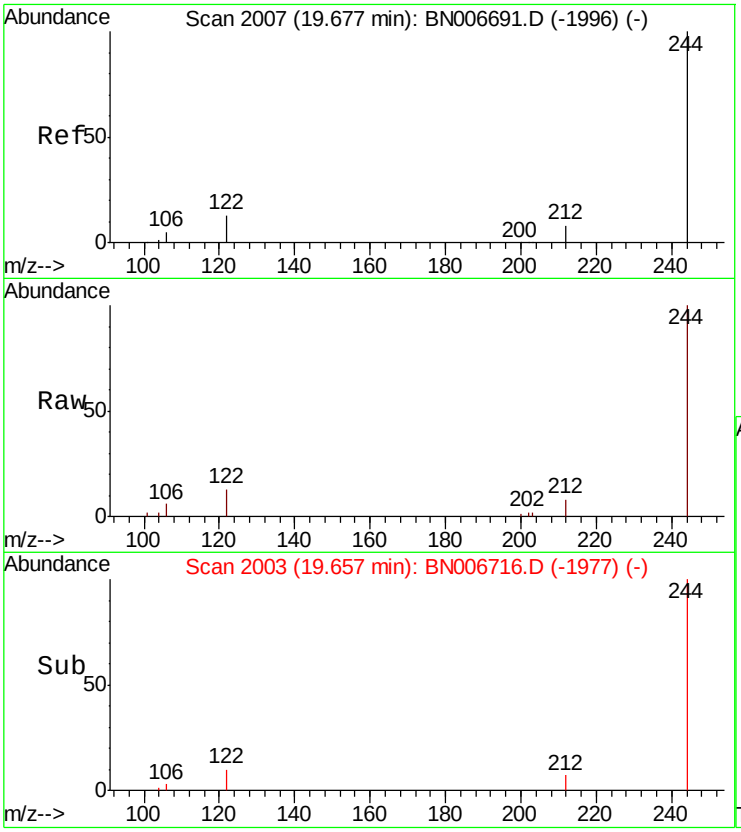


#28
Pyrene
Concen: 0.414 ng
RT: 19.45 min Scan# 1961
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:202 Resp: 25956

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.8	25.2
203	18.0	14.2	21.2



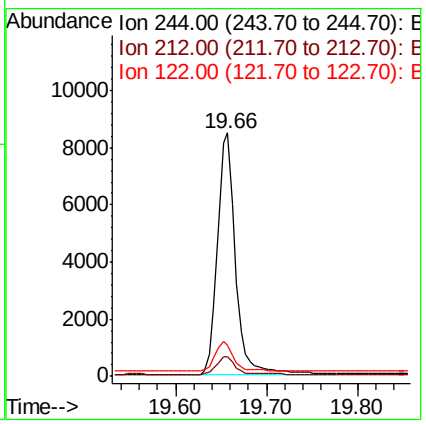


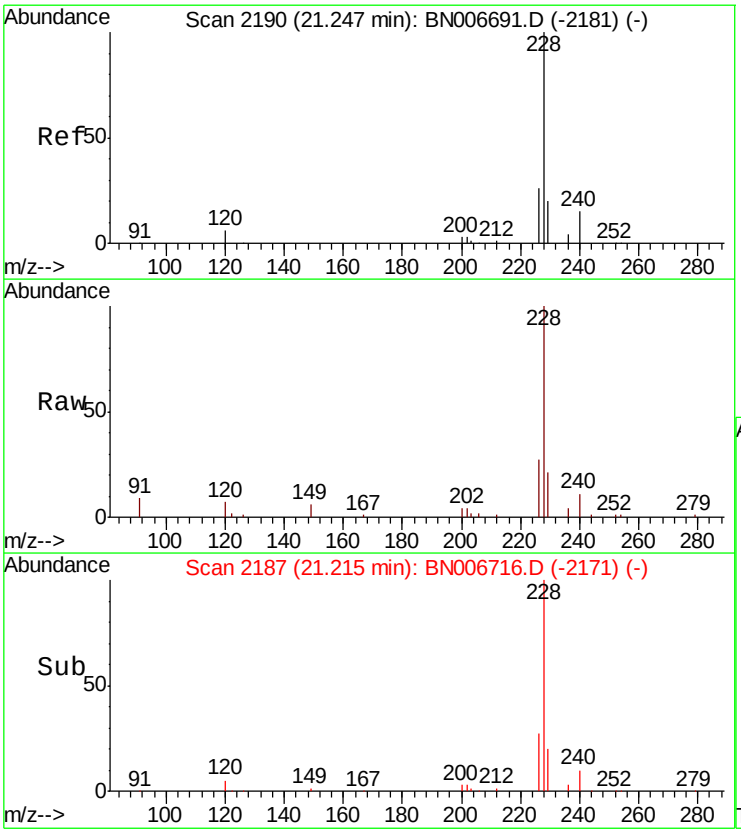
#29
Terphenyl-d14
Concen: 0.322 ng
RT: 19.66 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:244 Resp: 11621

Ion	Ratio	Lower	Upper
244	100		
212	8.0	7.0	10.4
122	12.5	11.5	17.3

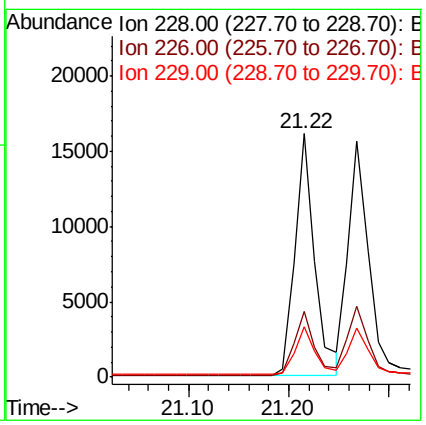


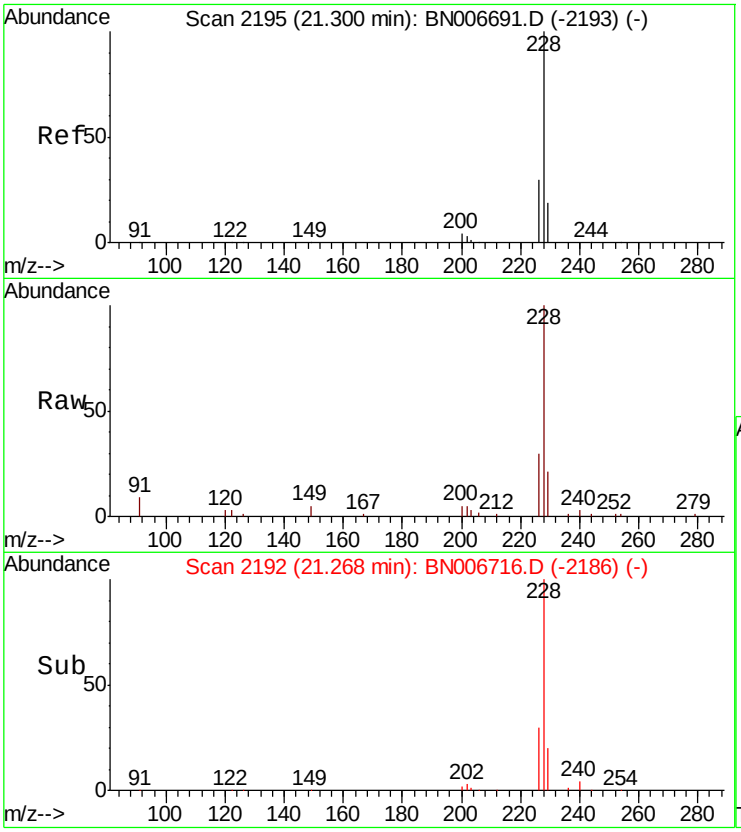


#30
Benzo(a)anthracene
Concen: 0.413 ng
RT: 21.22 min Scan# 2187
Delta R.T. -0.03 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:228 Resp: 22330

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.5	32.3
229	20.7	16.2	24.4



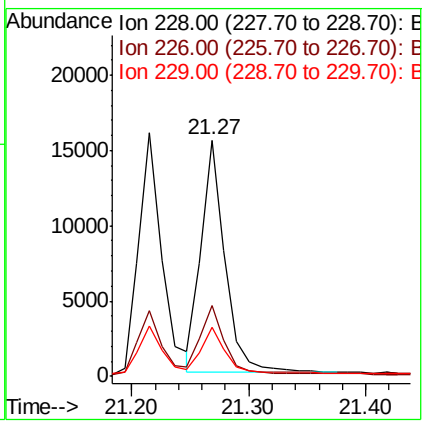


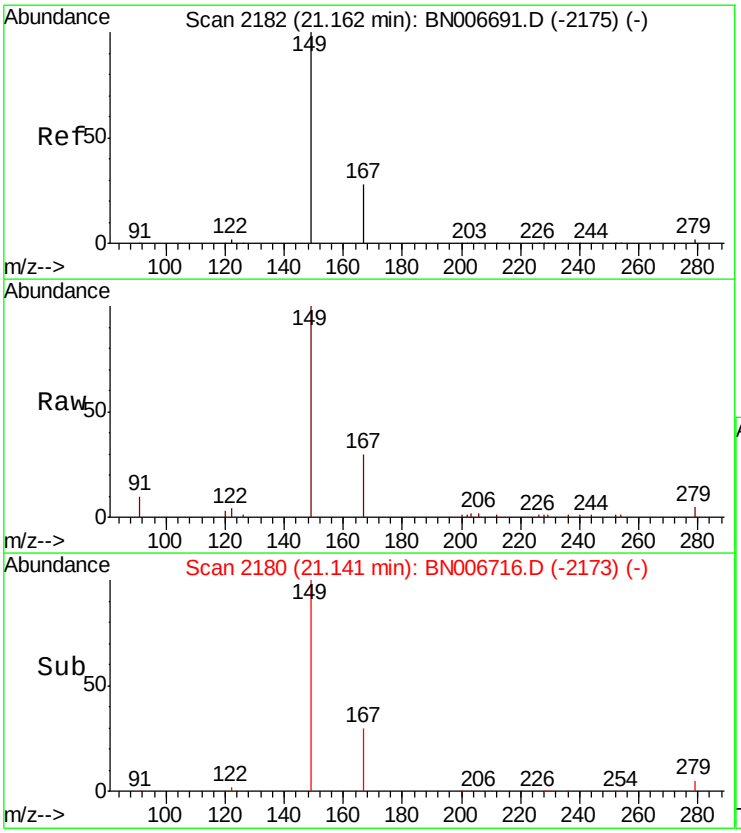
#31
Chrysene
Concen: 0.392 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:228 Resp: 21867

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.2
229	20.5	15.8	23.6

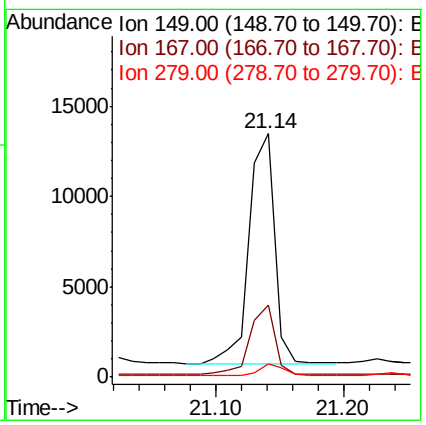


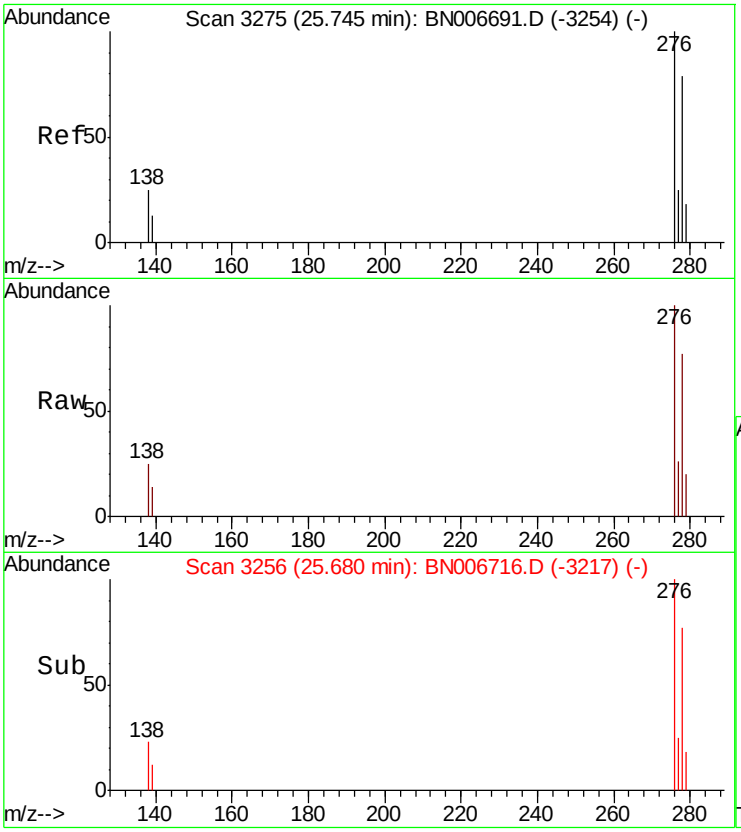


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.110 ng
RT: 21.14 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:149 Resp: 17754

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.9	34.3
279	4.2	3.2	4.8



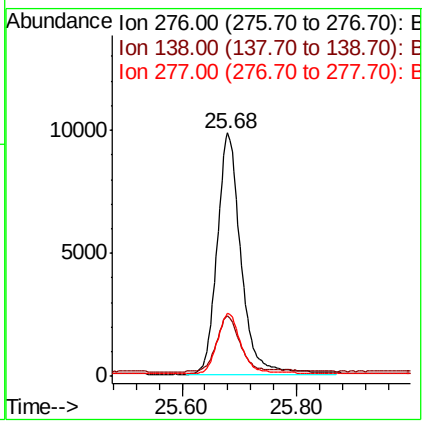


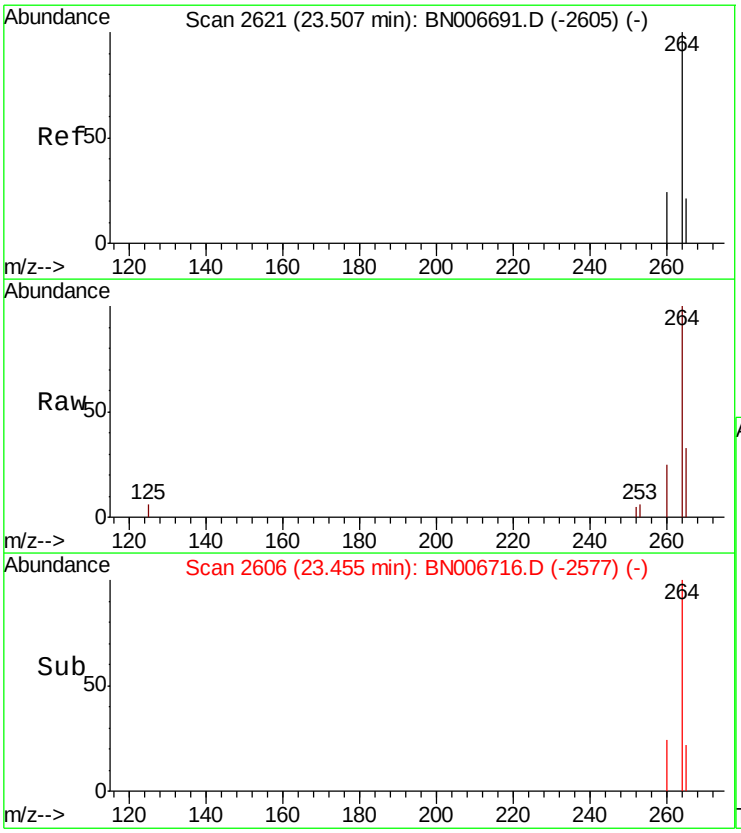
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.424 ng
RT: 25.68 min Scan# 3256
Delta R.T. -0.06 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:276 Resp: 28281

Ion	Ratio	Lower	Upper
276	100		
138	23.1	19.5	29.3
277	24.7	19.7	29.5

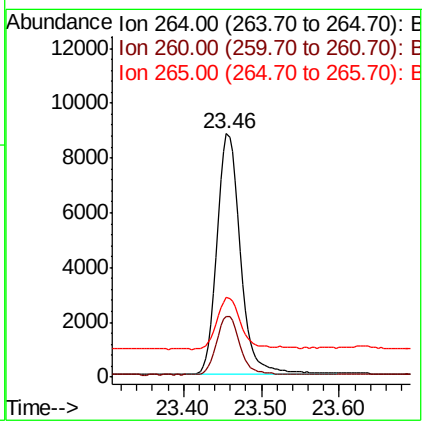


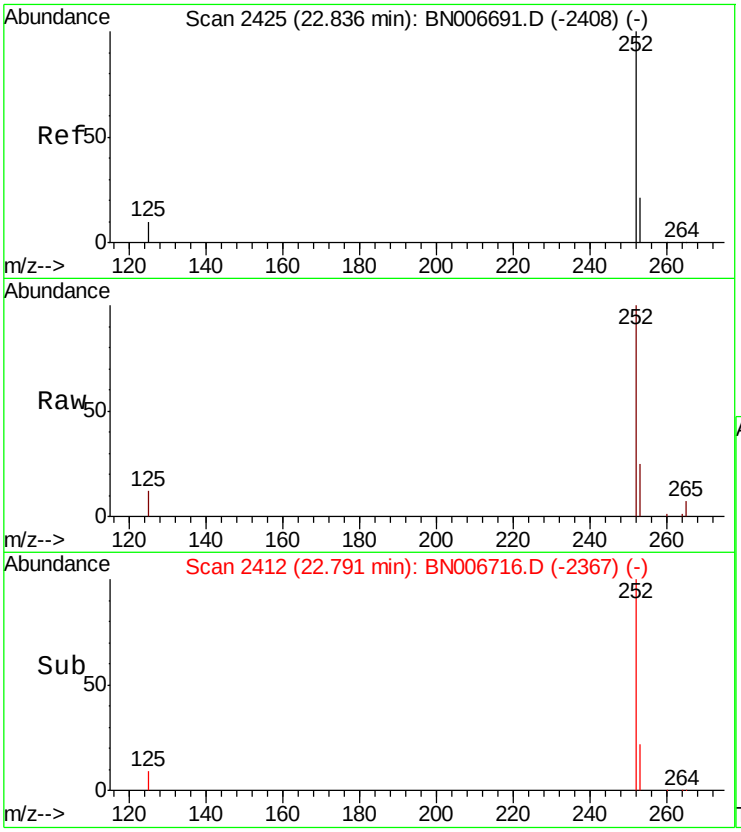


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2606
Delta R.T. -0.05 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:264 Resp: 18312

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.2	30.2
265	32.9	33.7	50.5#



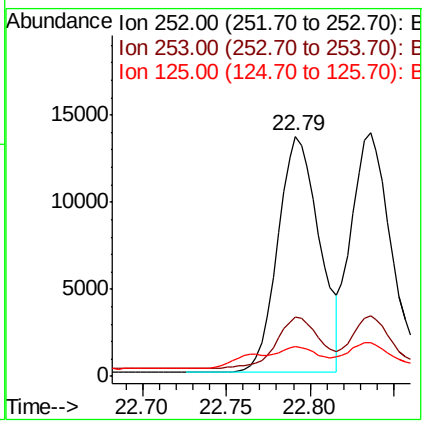


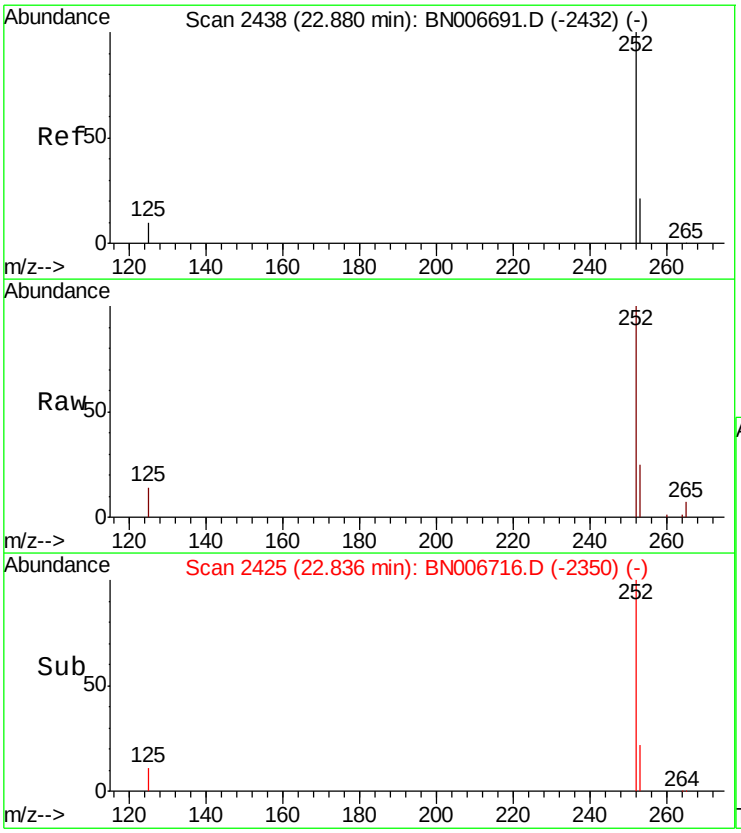
#35
Benzo(b)fluoranthene
Concen: 0.399 ng
RT: 22.79 min Scan# 2412
Delta R.T. -0.04 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:252 Resp: 23463

Ion	Ratio	Lower	Upper
252	100		
253	24.8	20.2	30.2
125	12.4	11.5	17.3

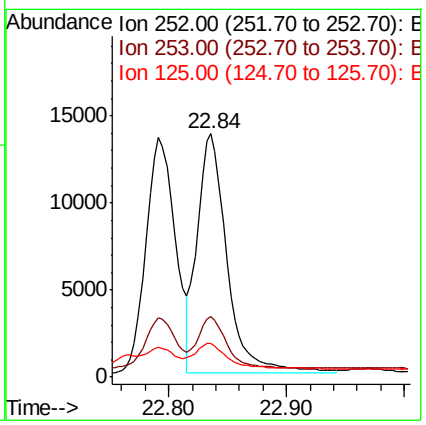


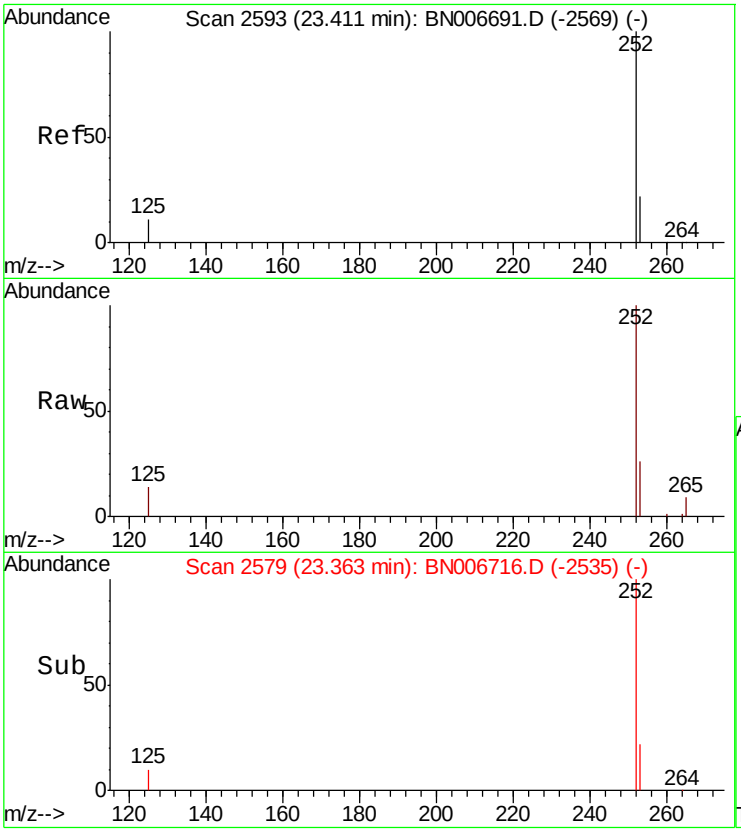


#36
Benzo(k)fluoranthene
Concen: 0.379 ng
RT: 22.84 min Scan# 2425
Delta R.T. -0.04 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:252 Resp: 24178

Ion	Ratio	Lower	Upper
252	100		
253	25.0	20.1	30.1
125	13.8	11.4	17.0



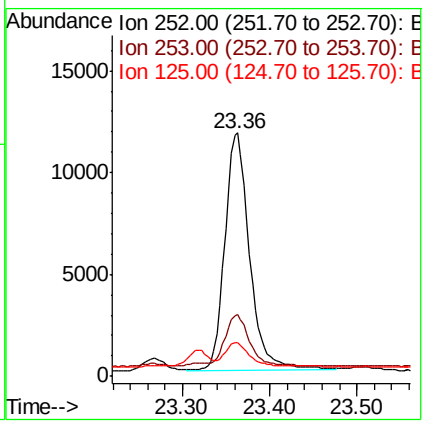


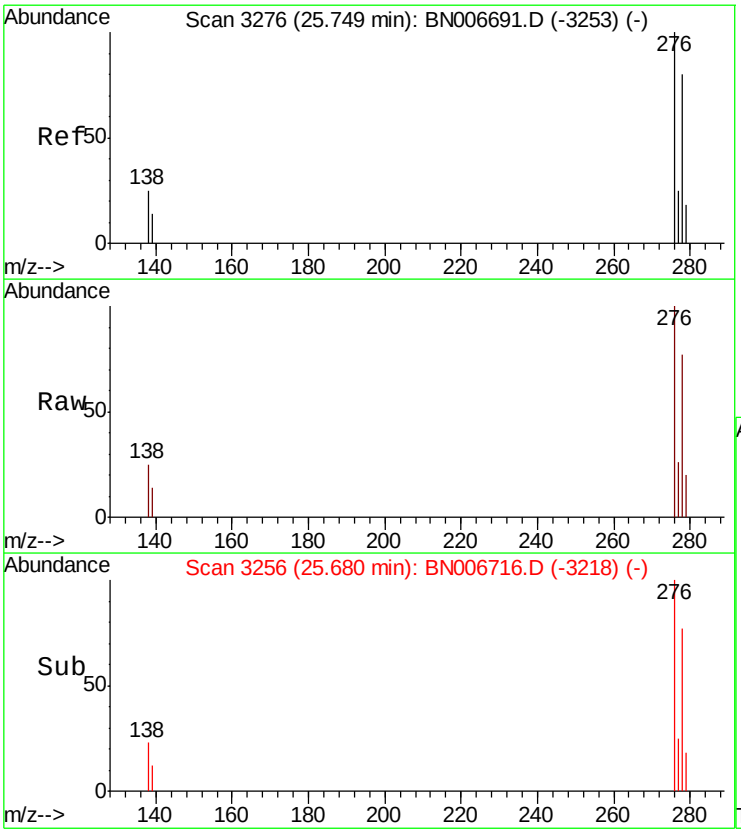
#37
Benzo(a)pyrene
Concen: 0.405 ng
RT: 23.36 min Scan# 2579
Delta R.T. -0.05 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:252 Resp: 23034

Ion	Ratio	Lower	Upper
252	100		
253	25.5	21.4	32.2
125	13.6	13.3	19.9

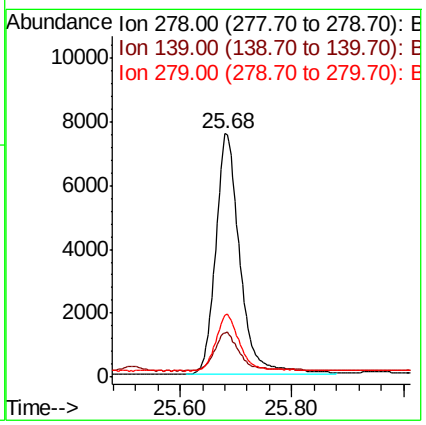


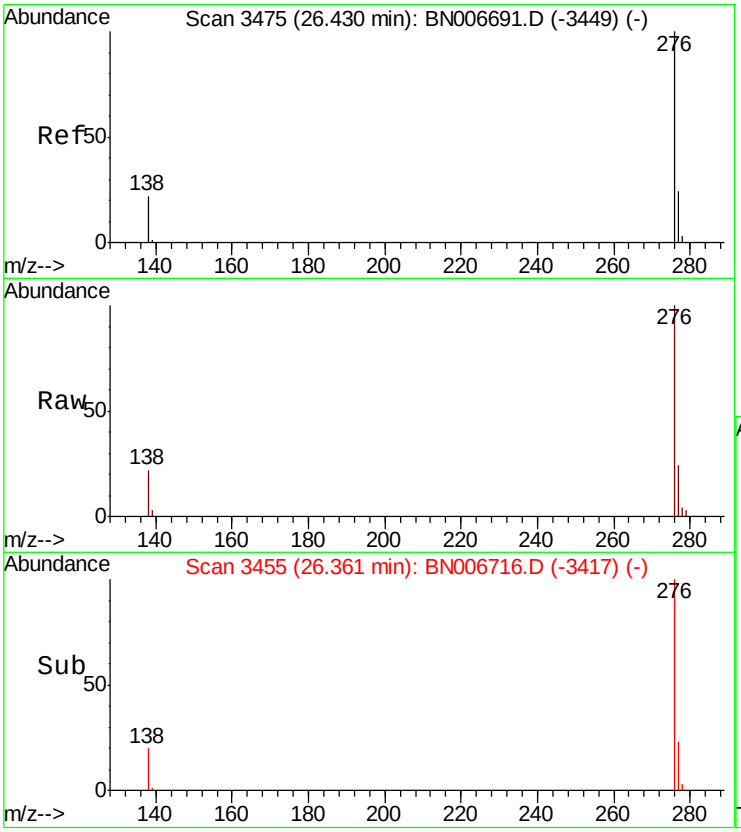


#38
Dibenzo(a,h)anthracene
Concen: 0.400 ng
RT: 25.68 min Scan# 3256
Delta R.T. -0.07 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Tgt Ion:278 Resp: 22651

Ion	Ratio	Lower	Upper
278	100		
139	18.2	16.2	24.4
279	25.5	20.7	31.1





#39
Benzo(g,h,i)perylene
Concen: 0.423 ng
RT: 26.36 min Scan# 3455
Delta R.T. -0.07 min
Lab File: BN006716.D
Acq: 05 Jul 2019 15:24

Instrument :
BNA_N
ClientSampleId :
PST-009-B218-062419MSD

Tgt Ion:276 Resp: 24603

Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.6	30.8
138	21.9	19.7	29.5