Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032919\
Data File : BN005028.D
Acq On : 29 Mar 2019 11:07
Operator : JU/SJ
Sample : K1825-21DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : RR-PAH-WPDL

Quant Time: Mar 30 00:06:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 29 03:42:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	2678	0.40	ng		0.00
7) Naphthalene-d8	10.44	136	10961	0.40	ng		0.00
13) Acenaphthene-d10	14.30	164	6868	0.40	ng		0.00
19) Phenanthrene-d10	17.06	188	17208	0.40	ng		0.00
27) Chrysene-d12	21.26	240	21279	0.40	ng		0.00
34) Perylene-d12	23.50	264	20291	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.26	112	502	0.08	ng		0.00
5) Phenol-d6	6.88	99	528	0.07	ng		0.03
8) Nitrobenzene-d5	8.86	82	379	0.06	ng		0.03
11) 2-Methylnaphthalene-d10	12.07	152	1220	0.07	ng		0.03
14) 2,4,6-Tribromophenol	15.84	330	221	0.06	ng		0.02
15) 2-Fluorobiphenyl	12.93	172	1957	0.08	ng		0.01
25) Fluoranthene-d10	19.10	212	3665	0.07	ng		0.00
29) Terphenyl-d14	19.70	244	3420	0.08	ng		0.01
Target Compounds							Qvalue
3) n-Nitrosodimethylamine	3.57	42	25	0.014	ng	#	1
6) bis(2-Chloroethyl)ether	7.09	93	10	0.001	ng	#	26
9) Naphthalene	10.49	128	20591	0.747	ng		99
10) Hexachlorobutadiene	10.76	225	5	0.001	ng	#	43
12) 2-Methylnaphthalene	12.14	142	14	0.001	ng	#	54
16) Acenaphthylene	14.02	152	46280	1.428	ng		99
17) Acenaphthene	14.37	154	53290	2.589	ng		99
18) Fluorene	15.36	166	26092	0.944	ng		100
20) 4-Bromophenyl-phenylether	16.26	248	3	0.000	ng	#	70
21) Hexachlorobenzene	16.37	284	13	0.001	ng	#	71
23) Phenanthrene	17.10	178	22027	0.457	ng		100
24) Anthracene	17.20	178	21924	0.511	ng		100
26) Fluoranthene	19.13	202	21831	0.370	ng		100
28) Pyrene	19.50	202	10260	0.170	ng		99
30) Benzo(a)anthracene	21.25	228	39720	0.662	ng		100
31) Chrysene	21.30	228	27194	0.420	ng		99
32) Bis(2-ethylhexyl)phthalate	21.15	149	173	0.007	ng		92
33) Indeno(1,2,3-cd)pyrene	25.75	276	38143	0.524	ng		96
35) Benzo(b)fluoranthene	22.83	252	49502	0.761	ng		98
36) Benzo(k)fluoranthene	22.87	252	7994	0.127	ng		92
37) Benzo(a)pyrene	23.41	252	7114	0.123	ng	#	90
38) Dibenzo(a,h)anthracene	25.76	278	16355	0.283	ng		98
39) Benzo(g,h,i)perylene	26.45	276	12856	0.221	ng		99

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

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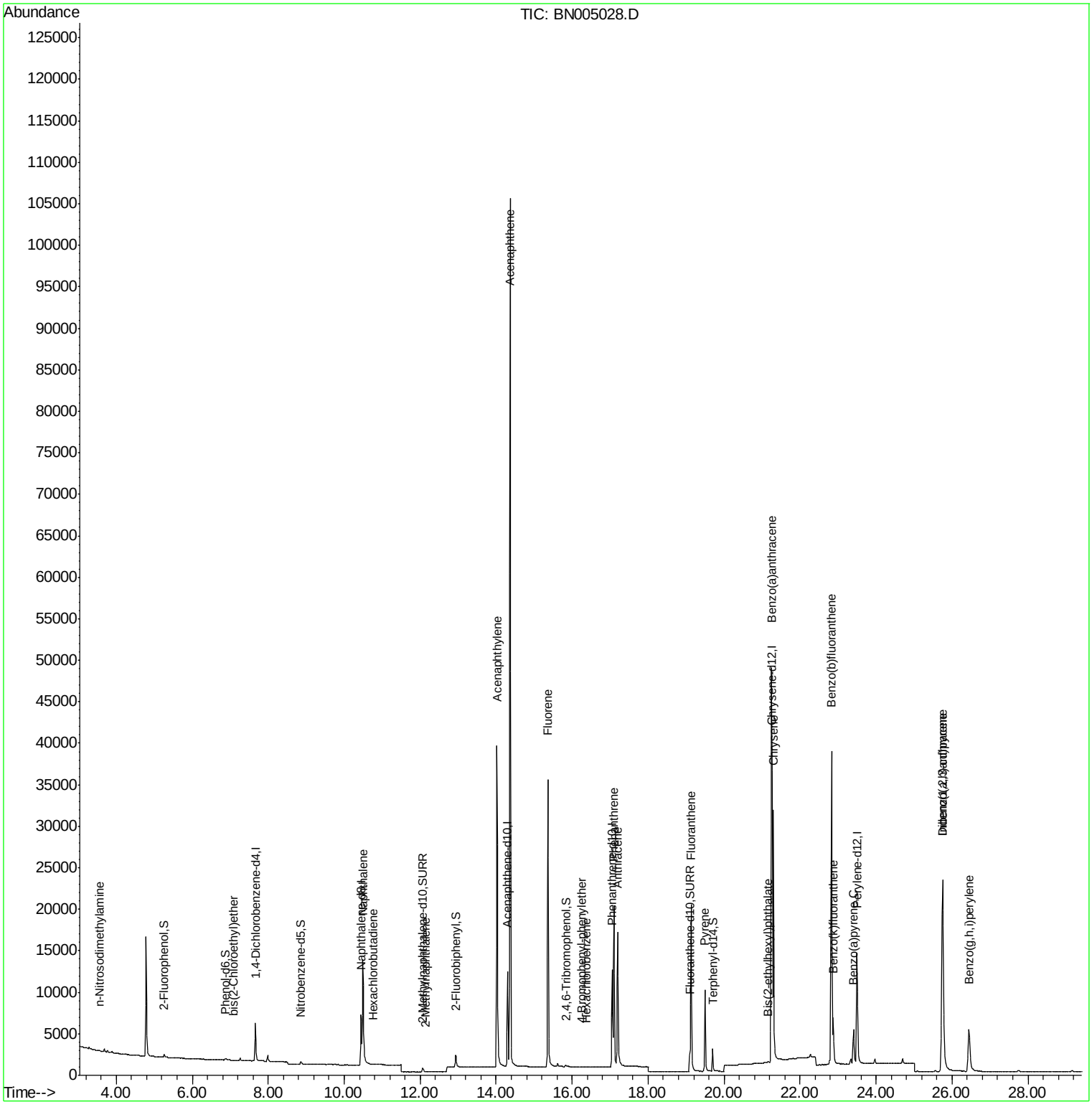
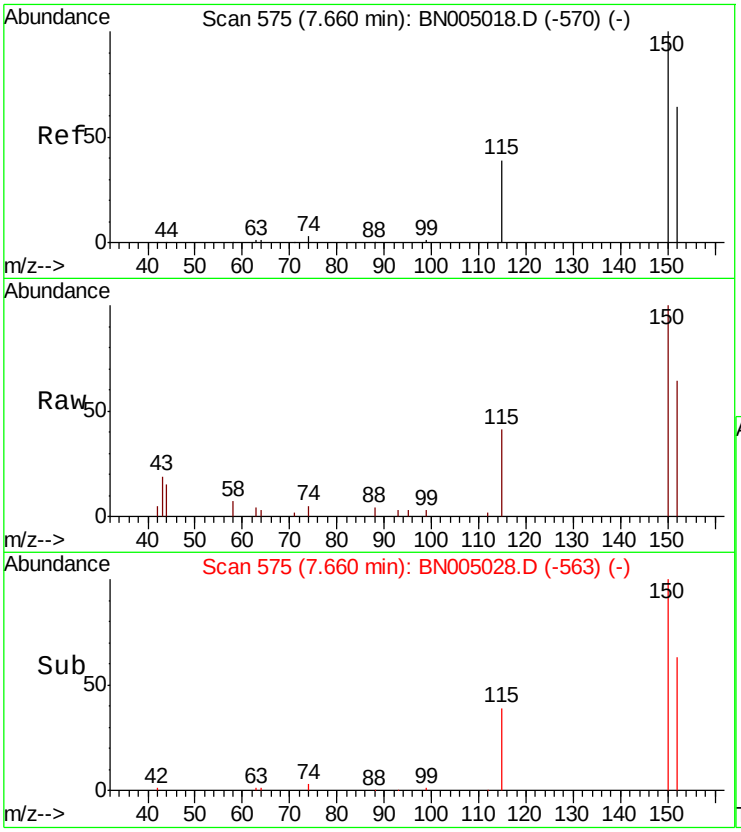
Acq On : 29 Mar 2019 11:07
Operator : JU/SJ
Sample : K1825-21DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Quant Time: Mar 30 00:06:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 29 03:42:17 2019
Response via : Initial Calibration



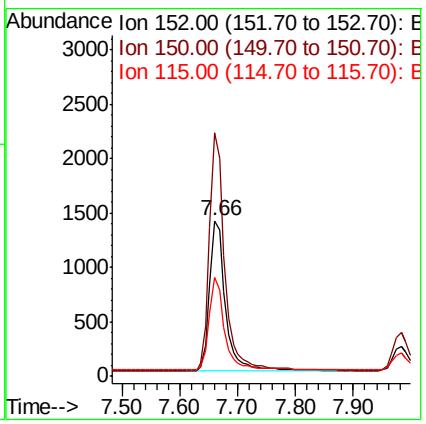


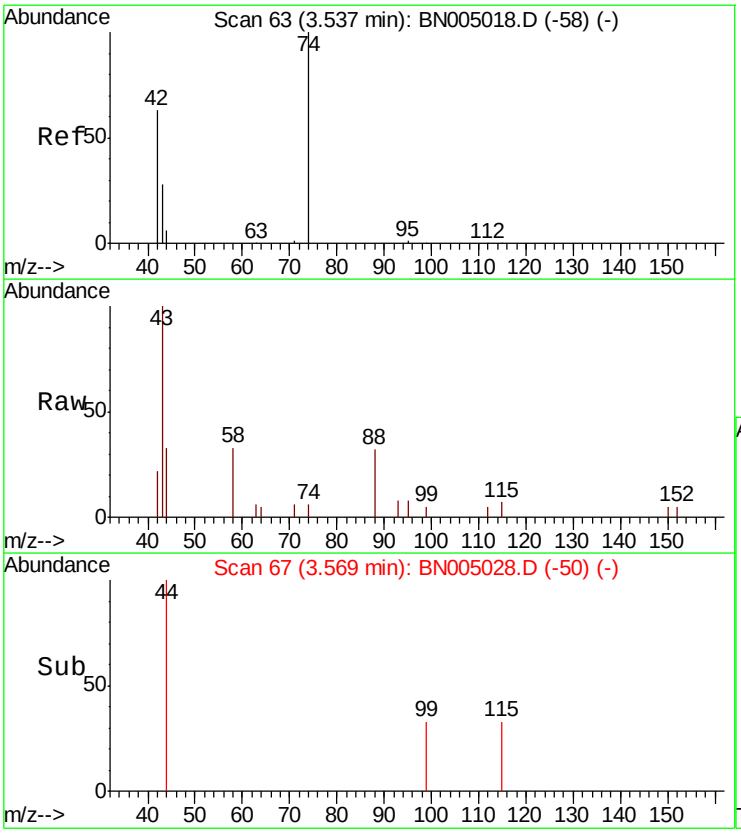
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.66 min Scan# 575
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:152 Resp: 2678

Ion	Ratio	Lower	Upper
152	100		
150	156.4	123.4	185.2
115	63.8	50.0	75.0

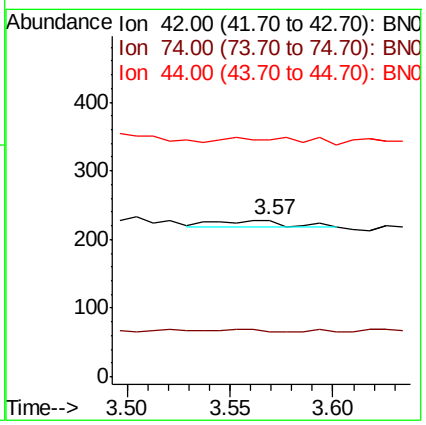


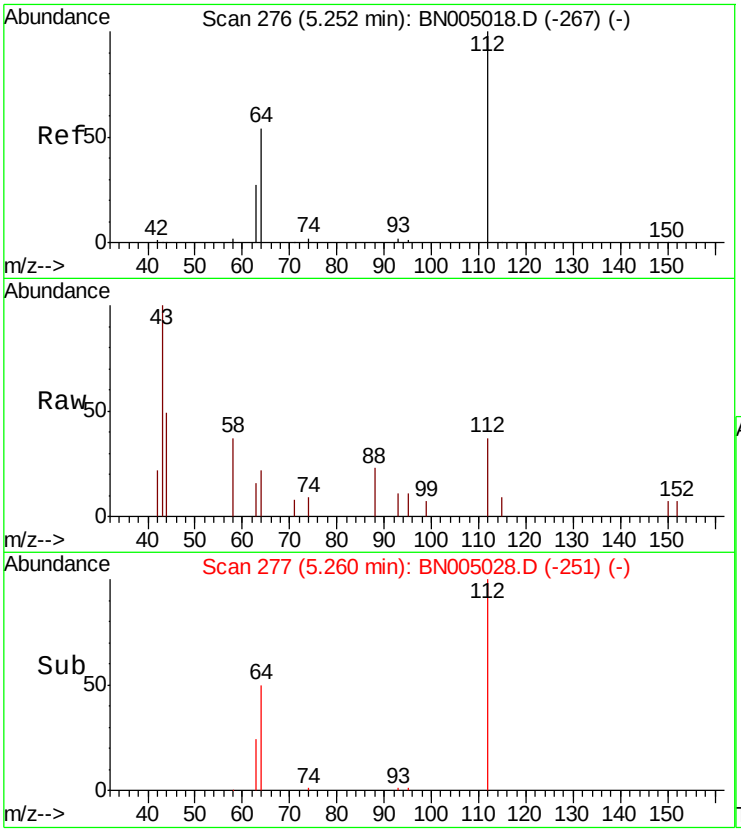


#3
n-Nitrosodimethylamine
Concen: 0.014 ng
RT: 3.57 min Scan# 67
Delta R.T. 0.03 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion: 42 Resp: 25

Ion	Ratio	Lower	Upper
42	100		
74	20.0	129.1	193.7#
44	108.0	11.6	17.4#



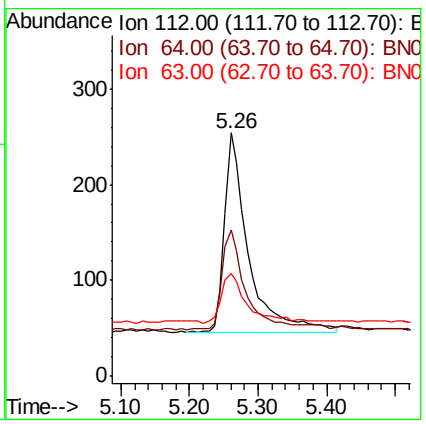


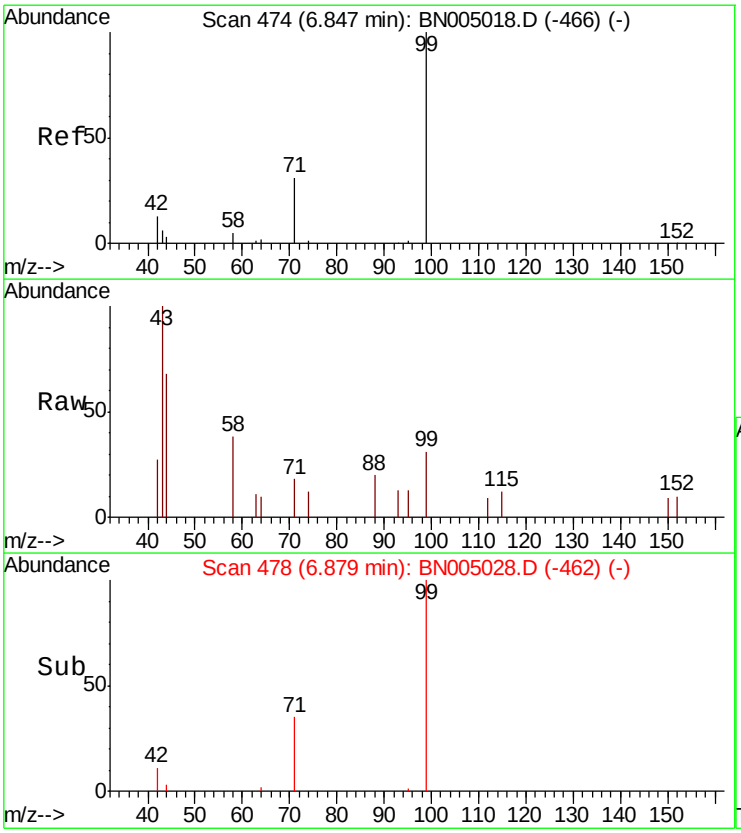
#4
2-Fluorophenol
Concen: 0.075 ng
RT: 5.26 min Scan# 277
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:112 Resp: 502

Ion	Ratio	Lower	Upper
112	100		
64	50.4	41.9	62.9
63	27.9	21.5	32.3

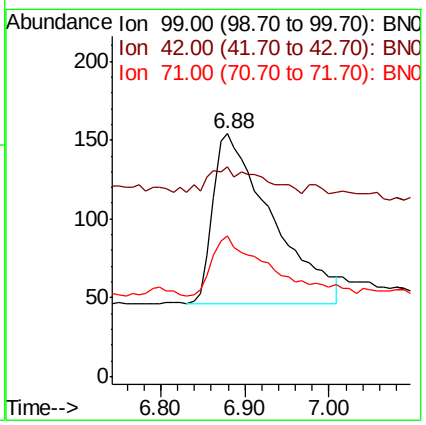


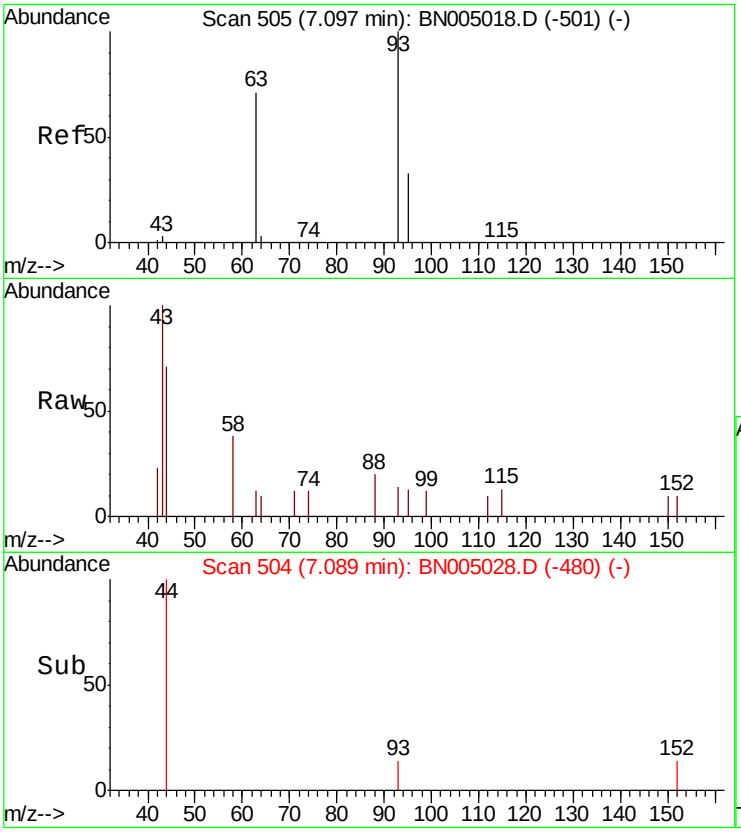


#5
Phenol-d6
Concen: 0.067 ng
RT: 6.88 min Scan# 478
Delta R.T. 0.03 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion: 99 Resp: 528

Ion	Ratio	Lower	Upper
99	100		
42	14.4	12.2	18.2
71	33.9	26.1	39.1



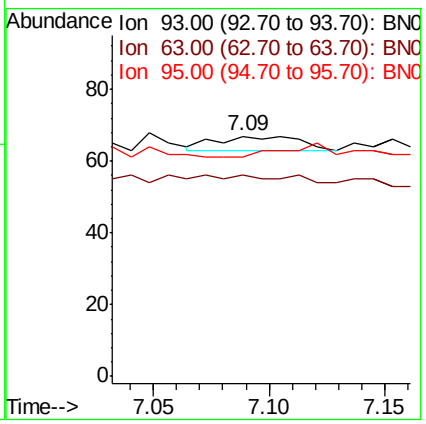


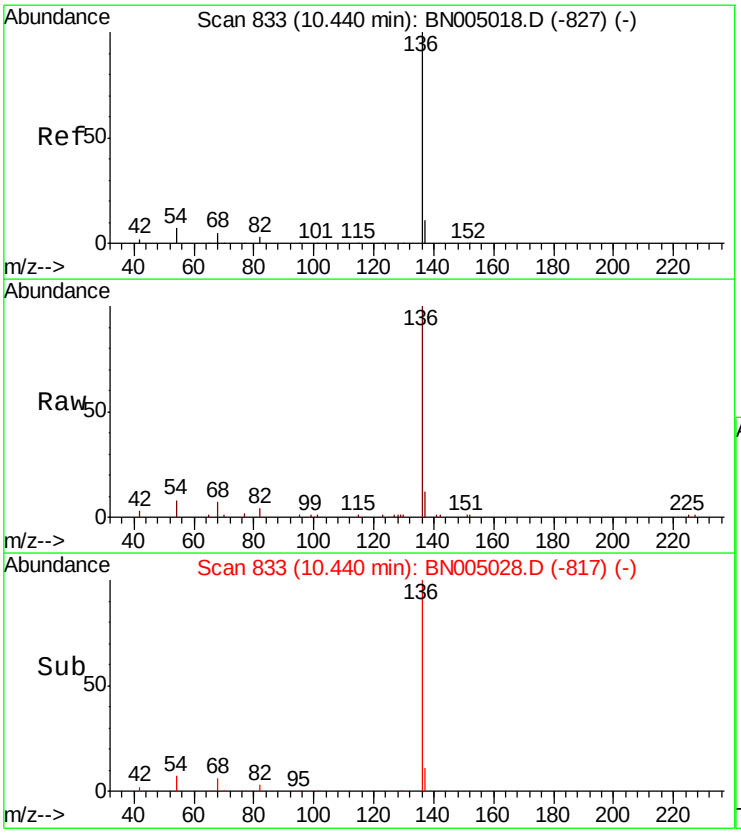
#6
bis(2-Chloroethyl)ether
Concen: 0.001 ng
RT: 7.09 min Scan# 504
Delta R.T. -0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion: 93 Resp: 10

Ion	Ratio	Lower	Upper
93	100		
63	0.0	51.8	77.6#
95	0.0	24.8	37.2#

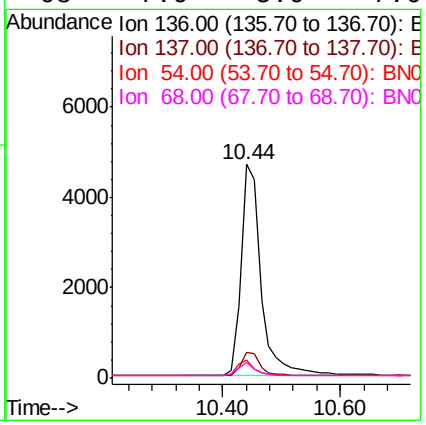


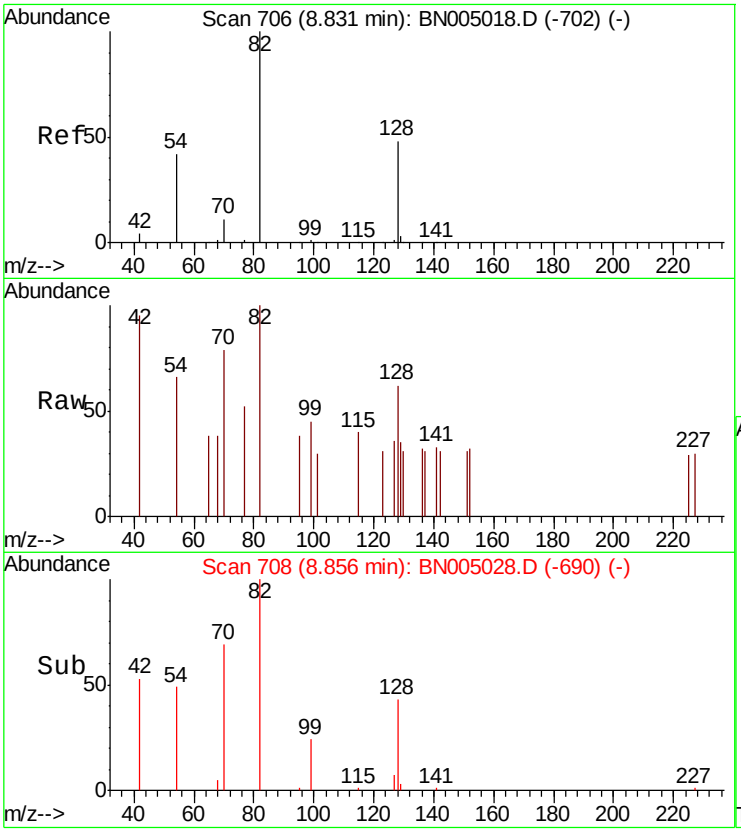


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.44 min Scan# 833
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:136 Resp: 10961

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	8.3	6.0	9.0
68	7.0	5.0	7.6



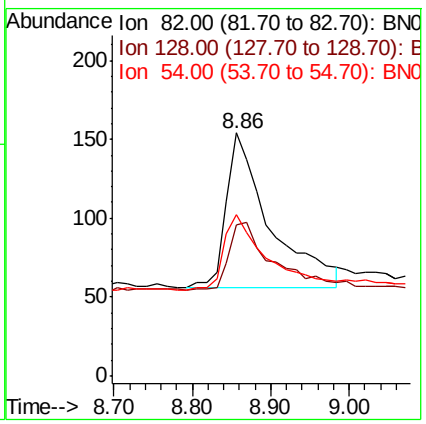


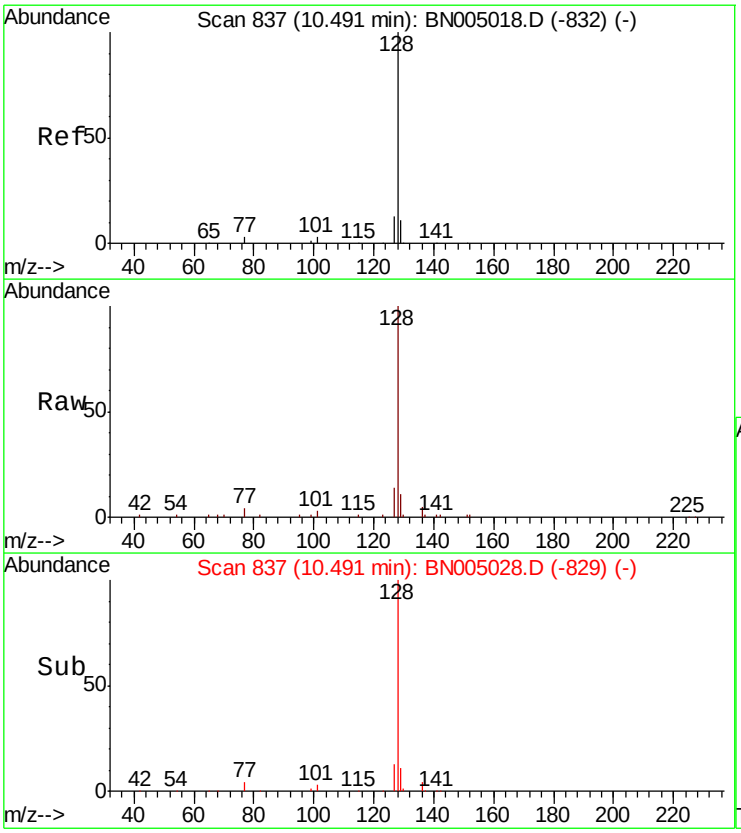
#8
Nitrobenzene-d5
Concen: 0.060 ng
RT: 8.86 min Scan# 708
Delta R.T. 0.03 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion: 82 Resp: 379

Ion	Ratio	Lower	Upper
82	100		
128	62.3	40.5	60.7#
54	66.2	35.7	53.5#

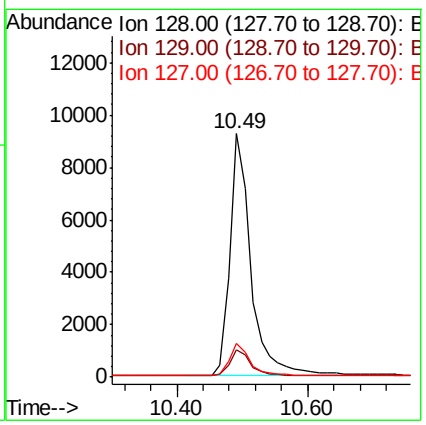


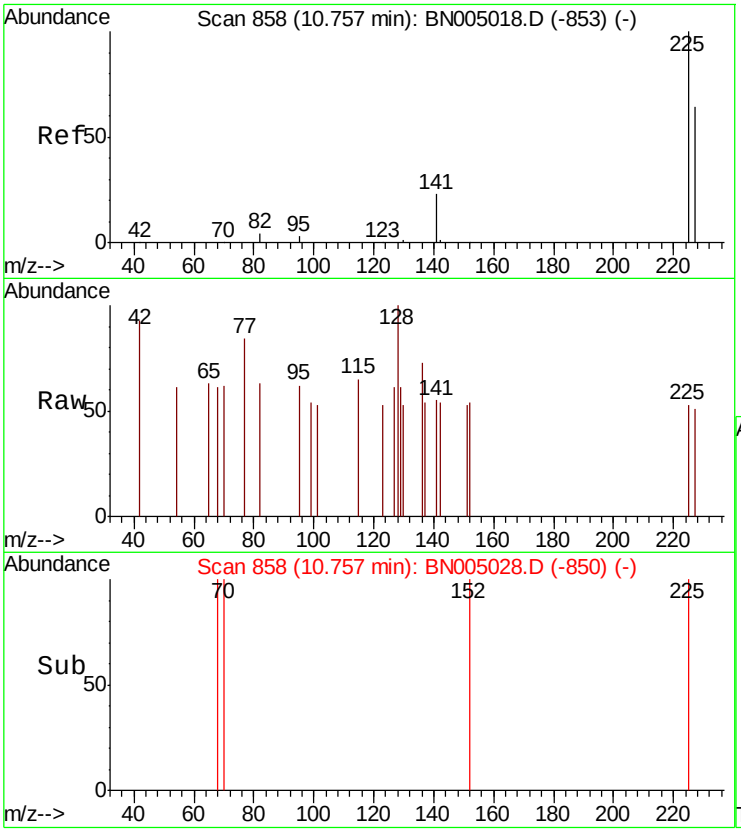


#9
Naphthalene
Concen: 0.747 ng
RT: 10.49 min Scan# 837
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:128 Resp: 20591

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.4	14.2
127	13.7	11.0	16.6



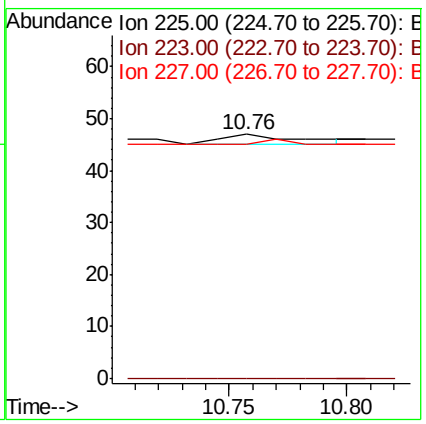


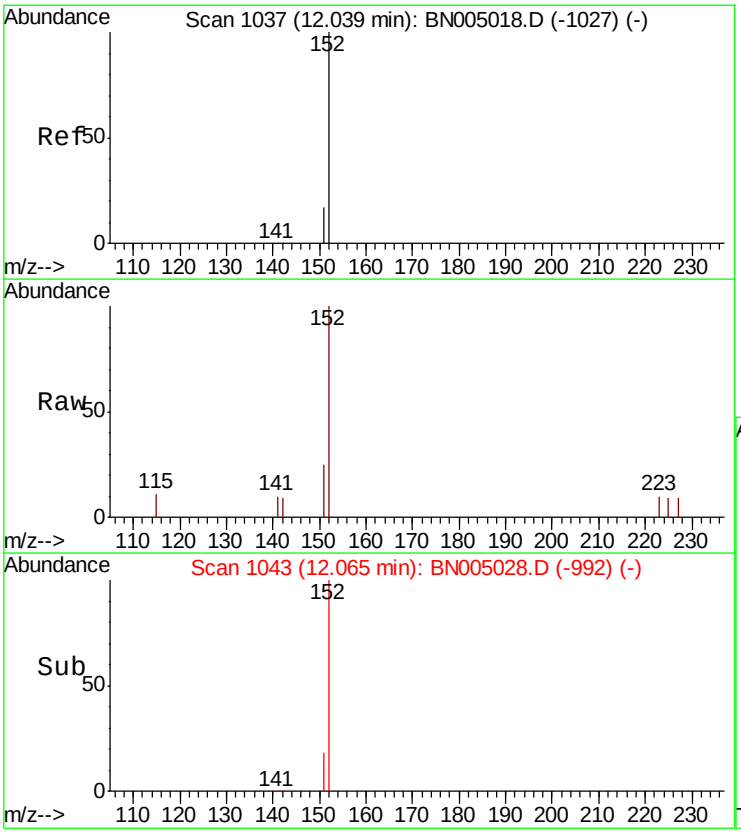
#10
Hexachlorobutadiene
Concen: 0.001 ng
RT: 10.76 min Scan# 858
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:225 Resp: 5

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	20.0	51.5	77.3#

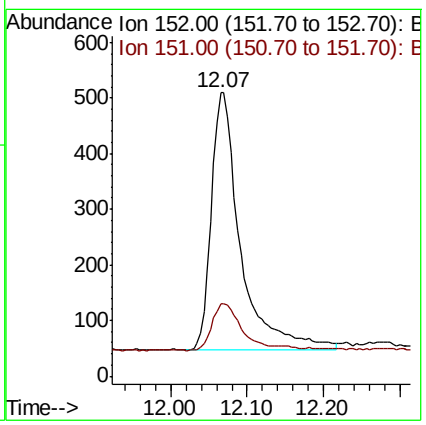


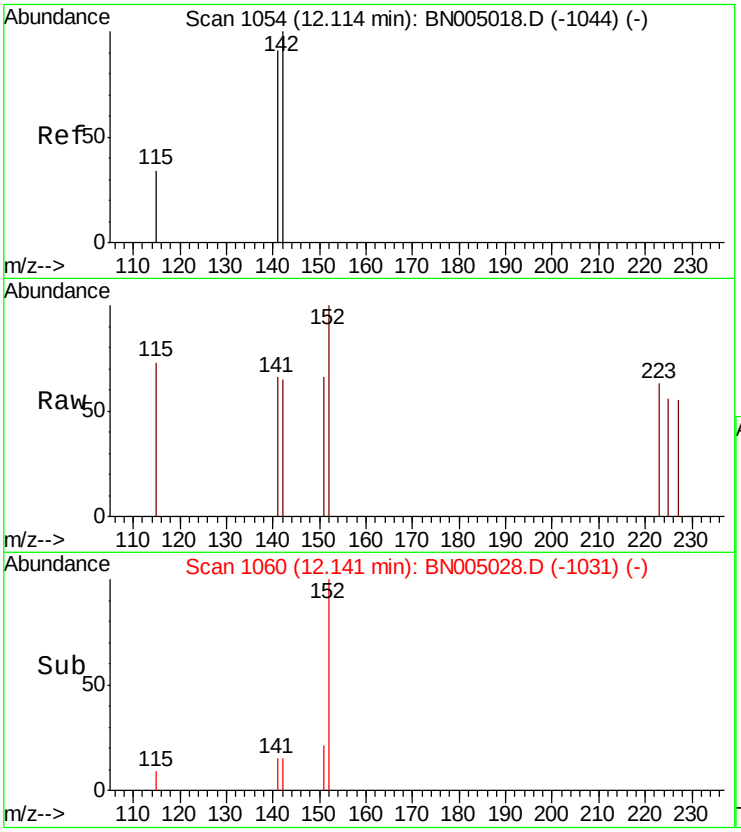


#11
2-Methylnaphthalene-d10
Concen: 0.072 ng
RT: 12.07 min Scan# 1043
Delta R.T. 0.03 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:152 Resp: 1220

Ion	Ratio	Lower	Upper
152	100		
151	18.4	15.3	22.9



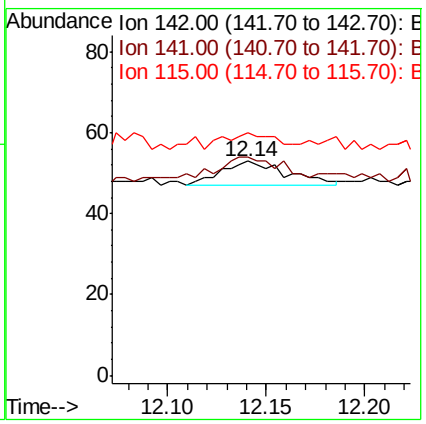


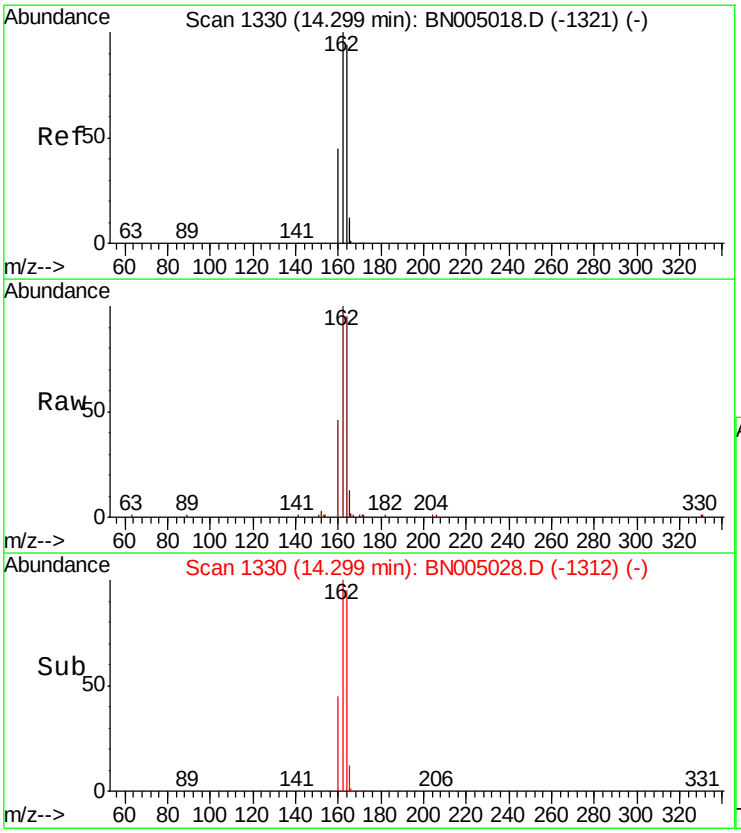
#12
2-Methylnaphthalene
Concen: 0.001 ng
RT: 12.14 min Scan# 1060
Delta R.T. 0.03 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:142 Resp: 14

Ion	Ratio	Lower	Upper
142	100		
141	101.9	72.6	108.8
115	113.2	27.8	41.8#

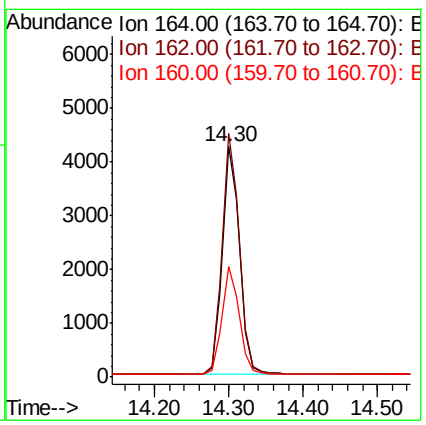


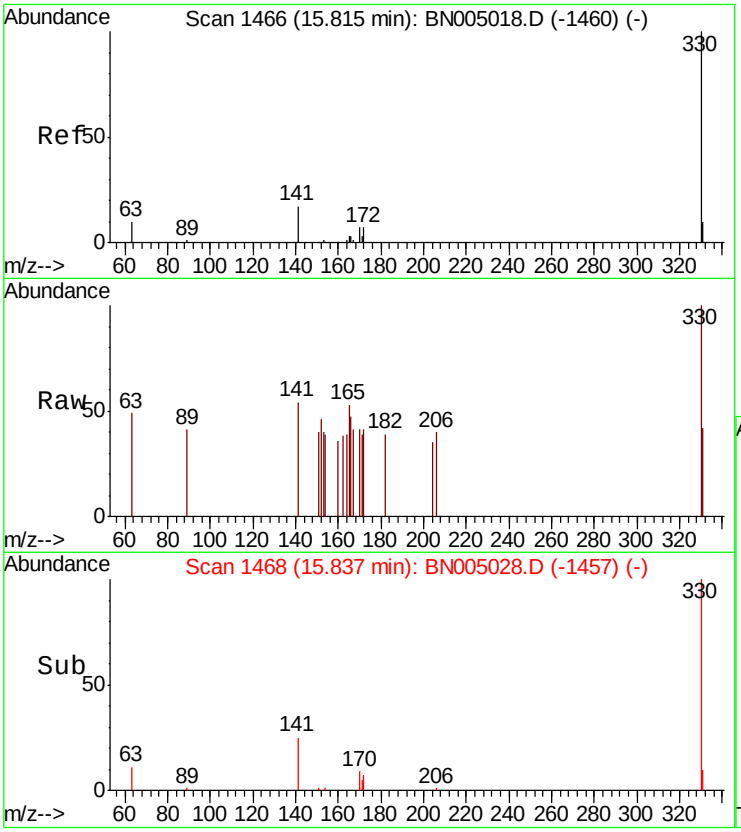


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:164 Resp: 6868

Ion	Ratio	Lower	Upper
164	100		
162	105.5	85.3	127.9
160	48.1	39.2	58.8



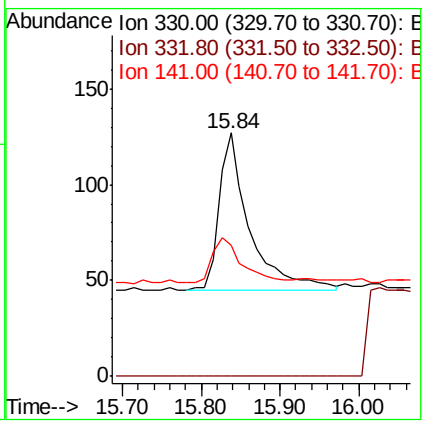


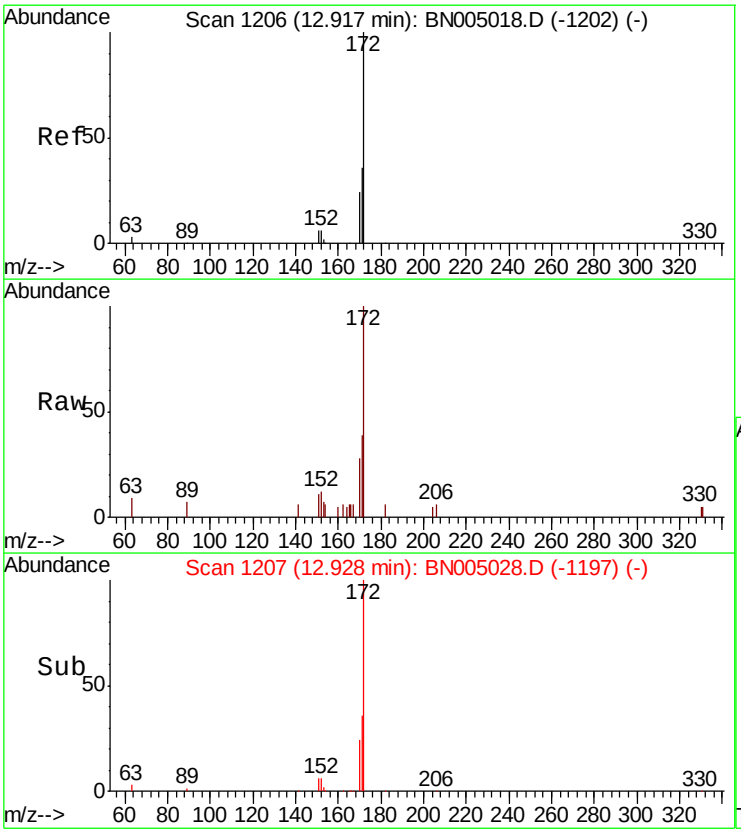
#14
2,4,6-Tribromophenol
Concen: 0.057 ng
RT: 15.84 min Scan# 1468
Delta R.T. 0.02 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:330 Resp: 221

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	26.7	21.3	31.9

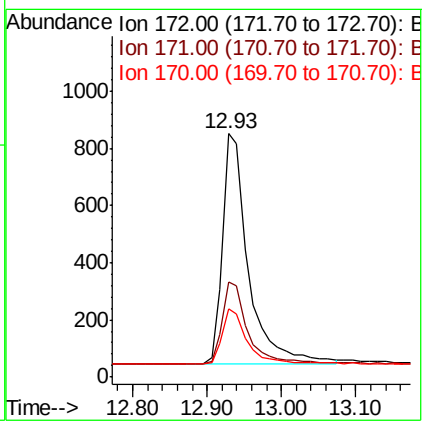


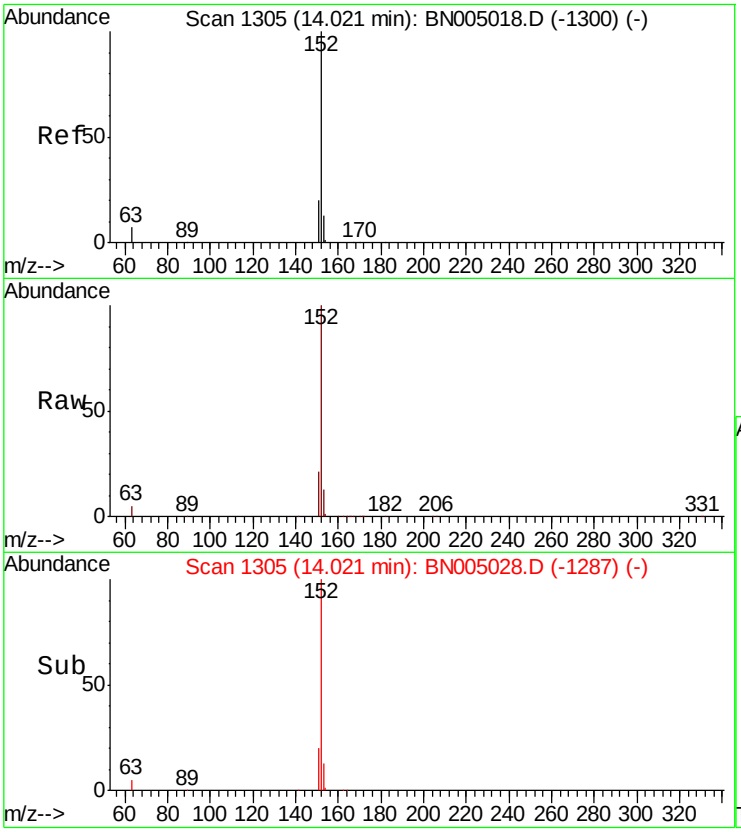


#15
2-Fluorobiphenyl
Concen: 0.075 ng
RT: 12.93 min Scan# 1207
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:172 Resp: 1957

Ion	Ratio	Lower	Upper
172	100		
171	39.1	29.4	44.0
170	28.2	20.0	30.0



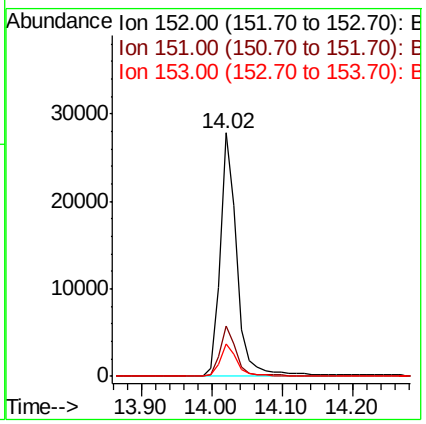


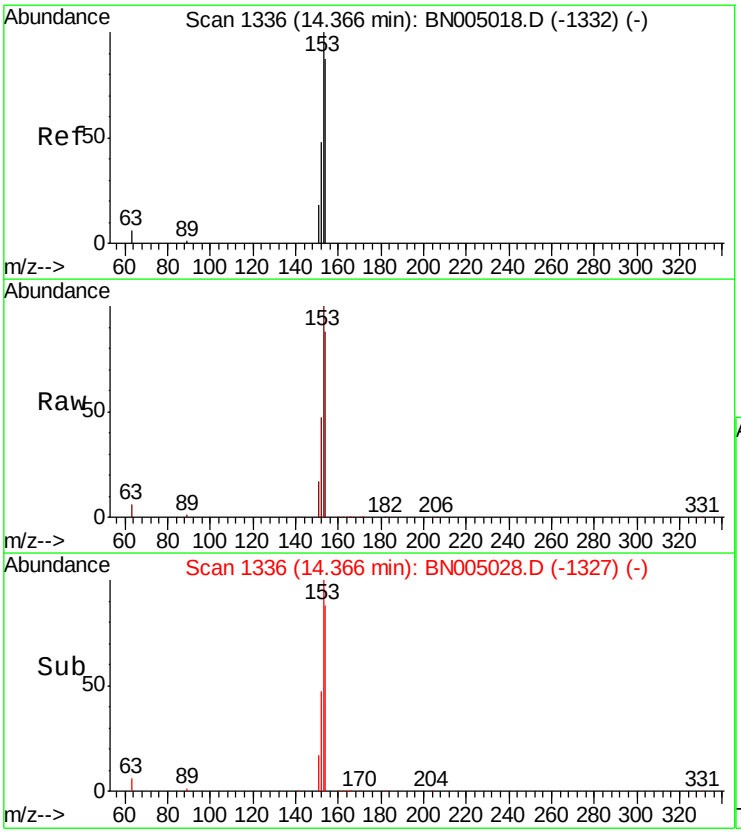
#16
Acenaphthylene
Concen: 1.428 ng
RT: 14.02 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:152 Resp: 46280

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	13.0	10.6	15.8

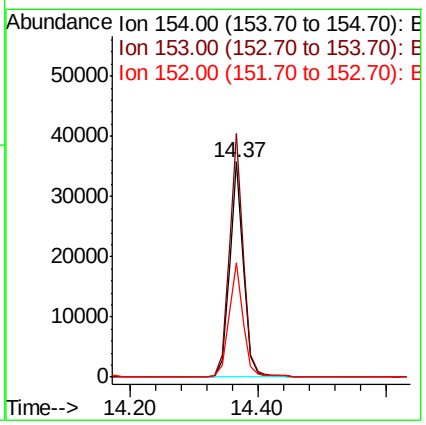


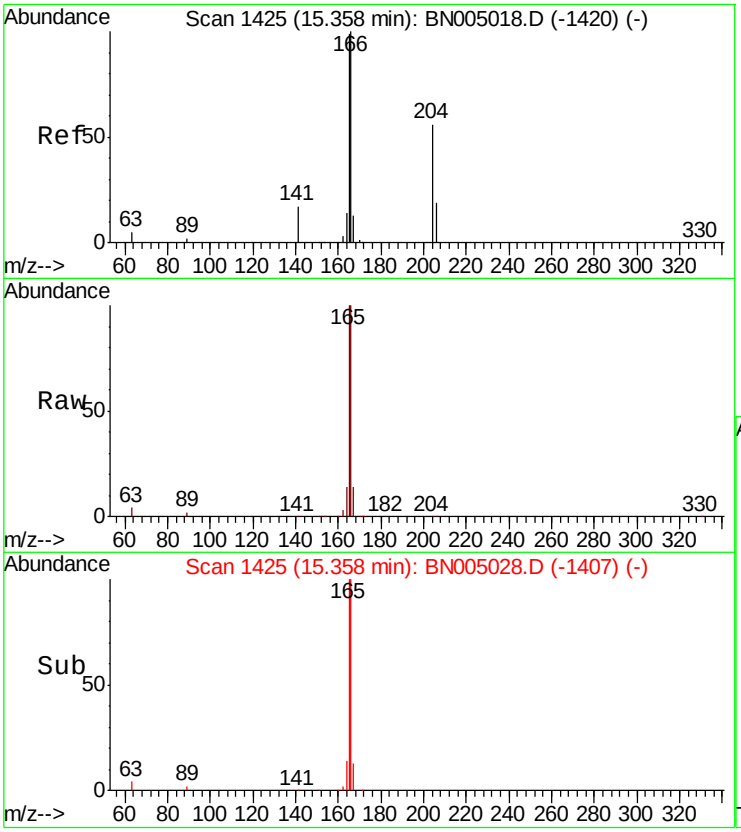


#17
Acenaphthene
Concen: 2.589 ng
RT: 14.37 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:154 Resp: 53290

Ion	Ratio	Lower	Upper
154	100		
153	114.1	92.1	138.1
152	53.9	44.2	66.2



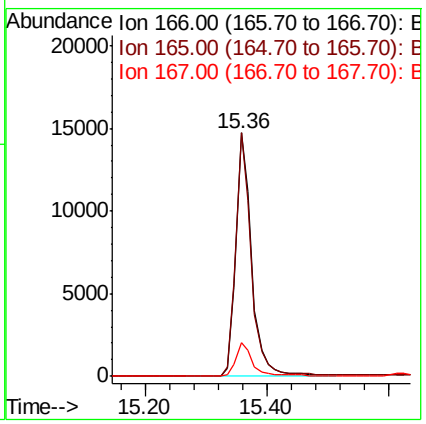


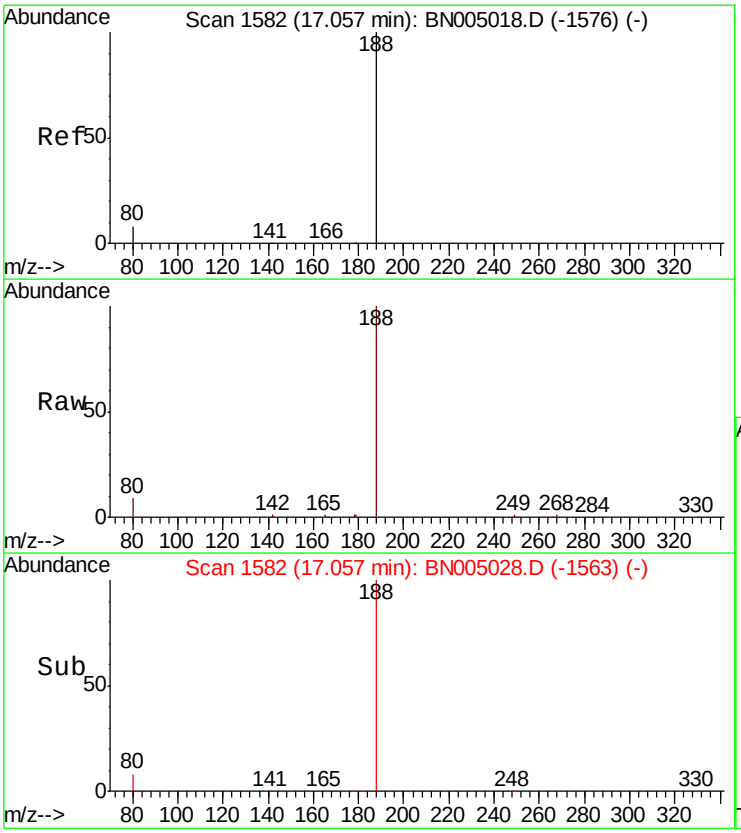
#18
Fluorene
Concen: 0.944 ng
RT: 15.36 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:166 Resp: 26092

Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.7	118.1
167	13.3	10.9	16.3

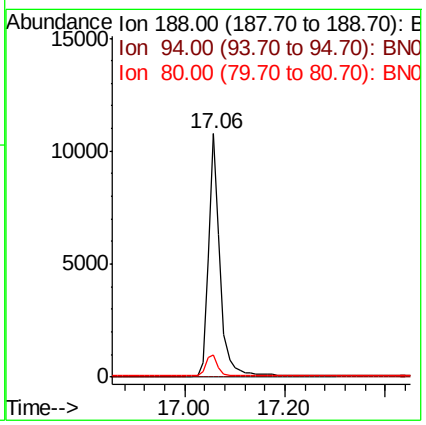


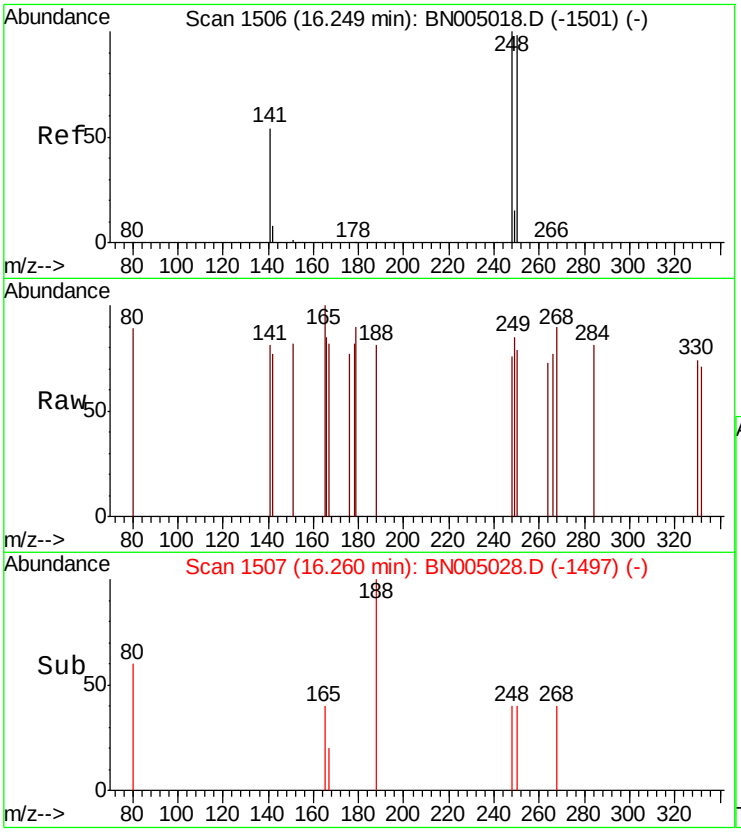


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:188 Resp: 17208

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	6.9	10.3



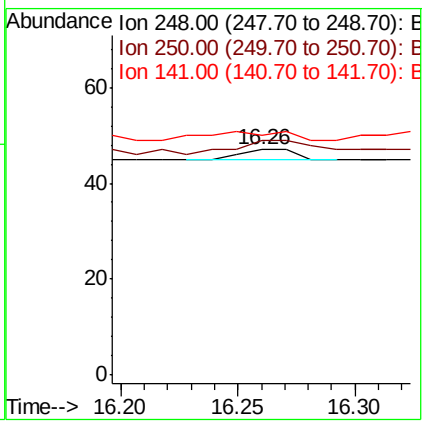


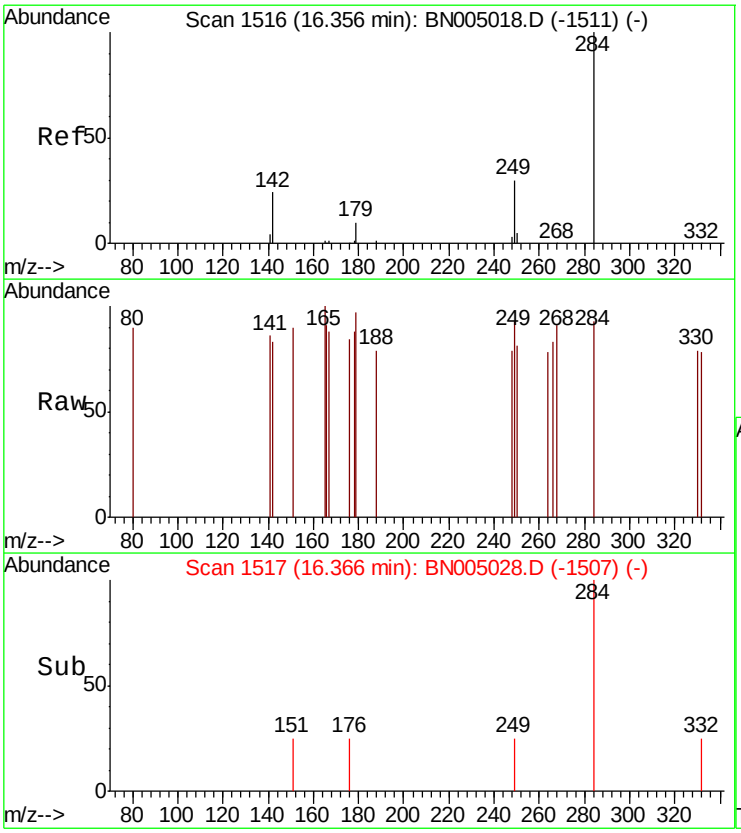
#20
4-Bromophenyl-phenylether
Concen: 0.000 ng
RT: 16.26 min Scan# 1507
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:248 Resp: 3

Ion	Ratio	Lower	Upper
248	100		
250	104.3	78.6	117.8
141	106.4	43.6	65.4#

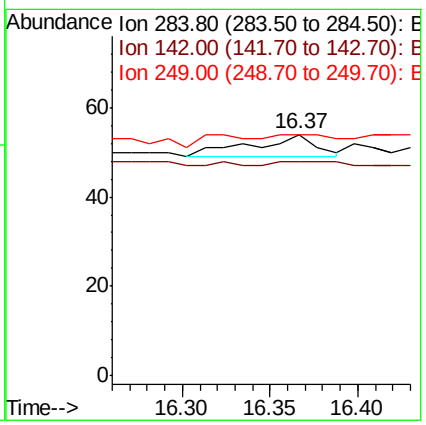


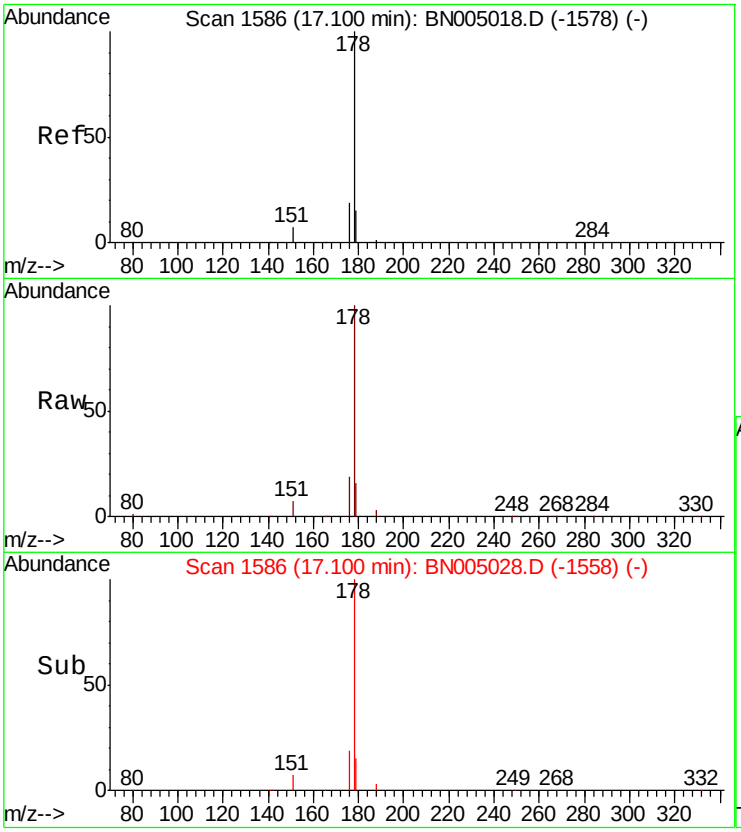


#21
Hexachlorobenzene
Concen: 0.001 ng
RT: 16.37 min Scan# 1517
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:284 Resp: 13

Ion	Ratio	Lower	Upper
284	100		
142	23.1	24.9	37.3#
249	53.8	23.8	35.6#



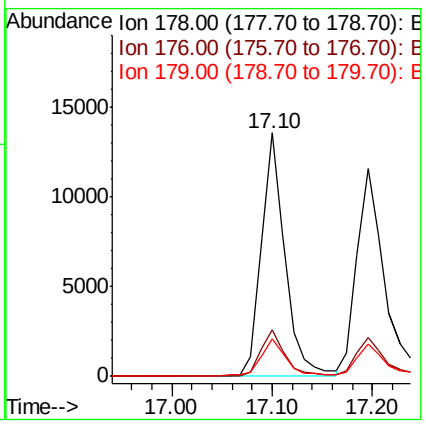


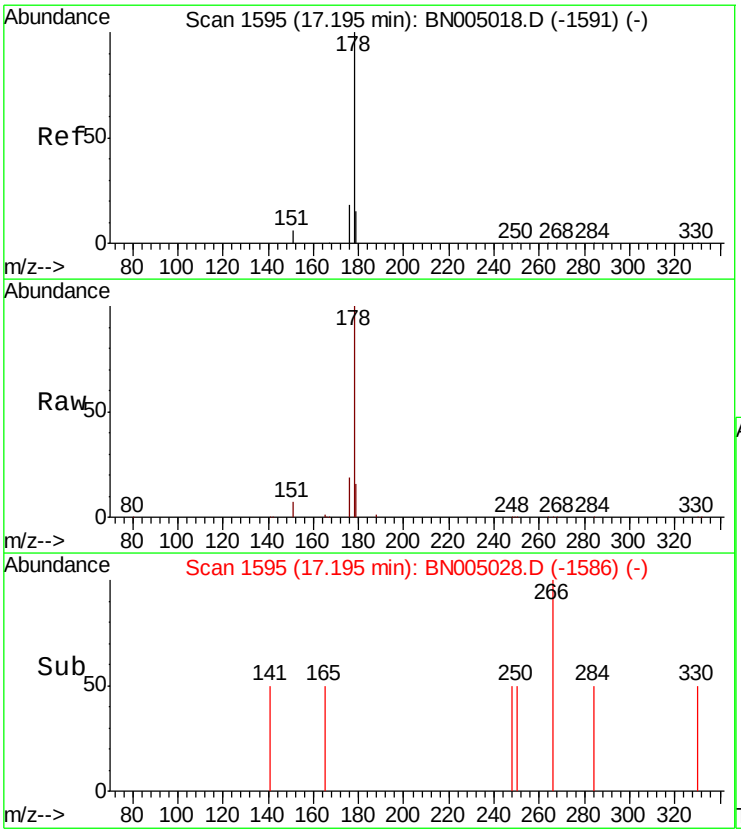
#23
Phenanthrene
Concen: 0.457 ng
RT: 17.10 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:178 Resp: 22027

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.3	12.2	18.2

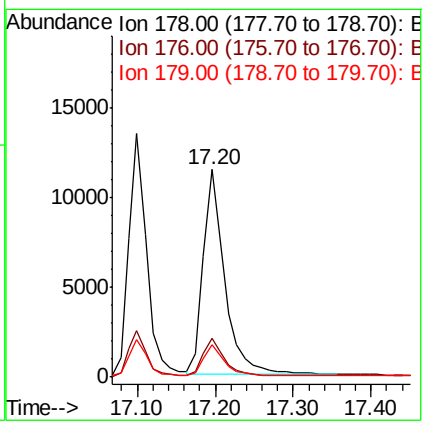


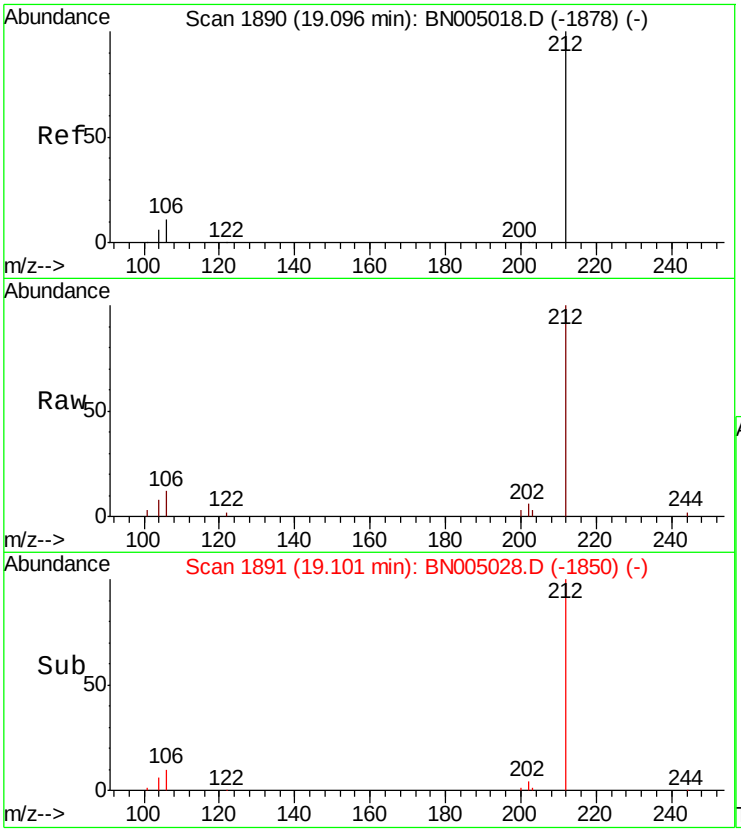


#24
Anthracene
Concen: 0.511 ng
RT: 17.20 min Scan# 1595
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:178 Resp: 21924

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	22.0
179	15.3	12.3	18.5



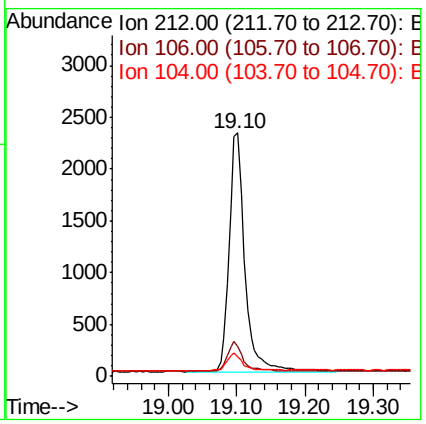


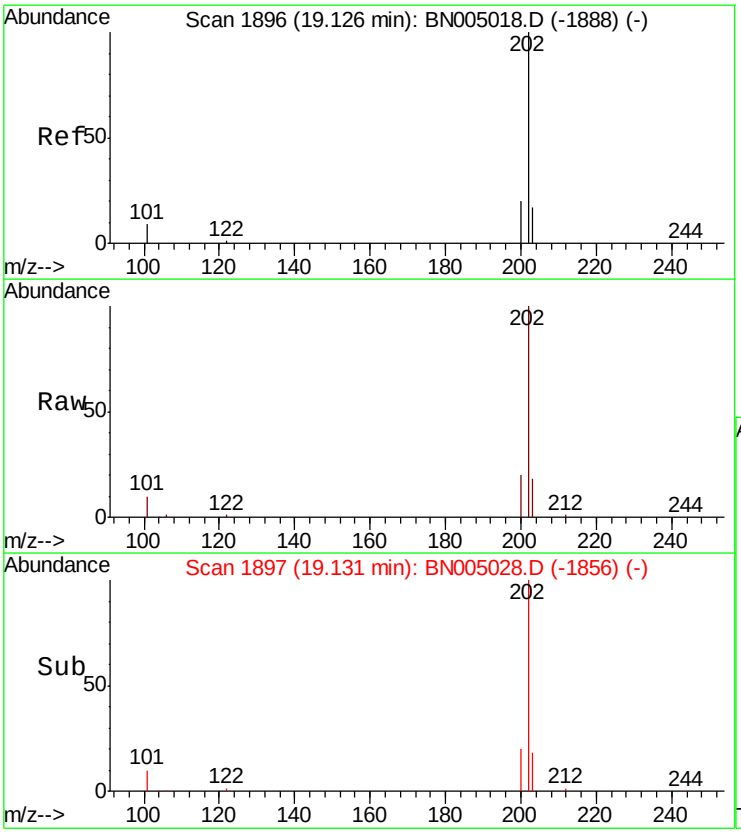
#25
Fluoranthene-d10
Concen: 0.075 ng
RT: 19.10 min Scan# 1891
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:212 Resp: 3665

Ion	Ratio	Lower	Upper
212	100		
106	12.2	9.4	14.2
104	6.7	5.4	8.0

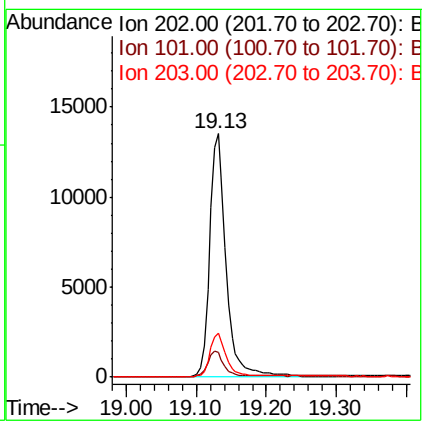


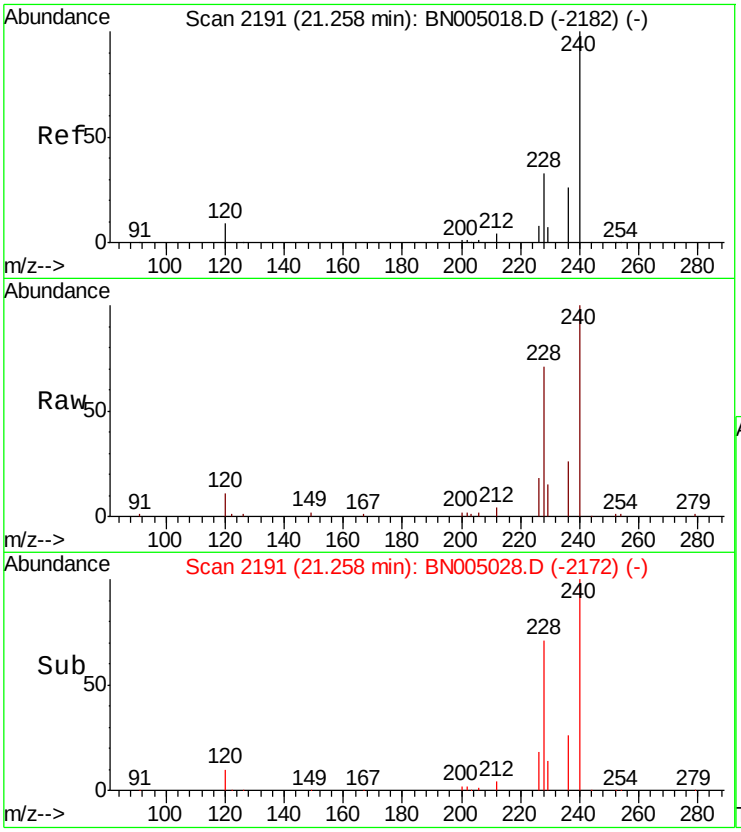


#26
Fluoranthene
Concen: 0.370 ng
RT: 19.13 min Scan# 1897
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:202 Resp: 21831

Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.2	12.2
203	17.4	13.8	20.8



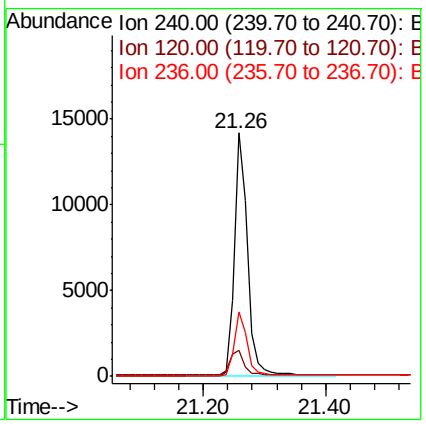


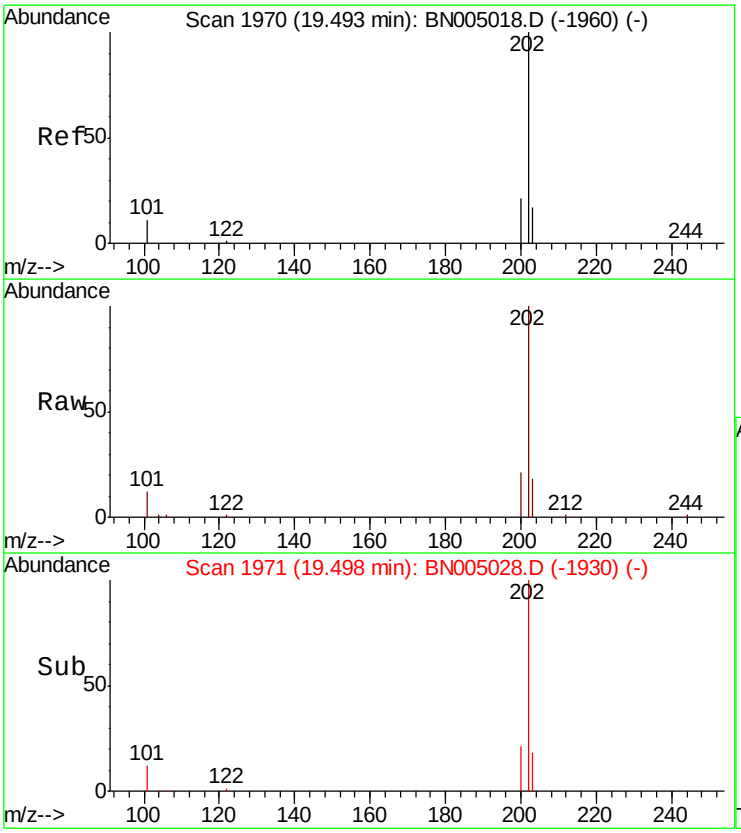
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:240 Resp: 21279

Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.4	11.0
236	26.5	21.0	31.6

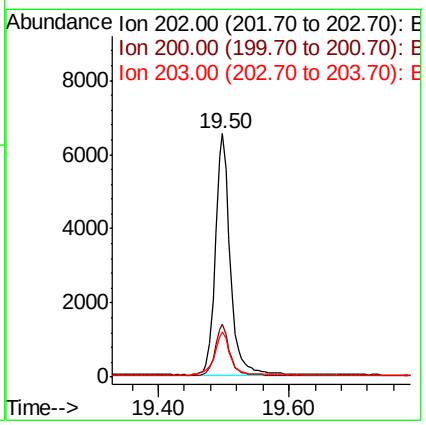


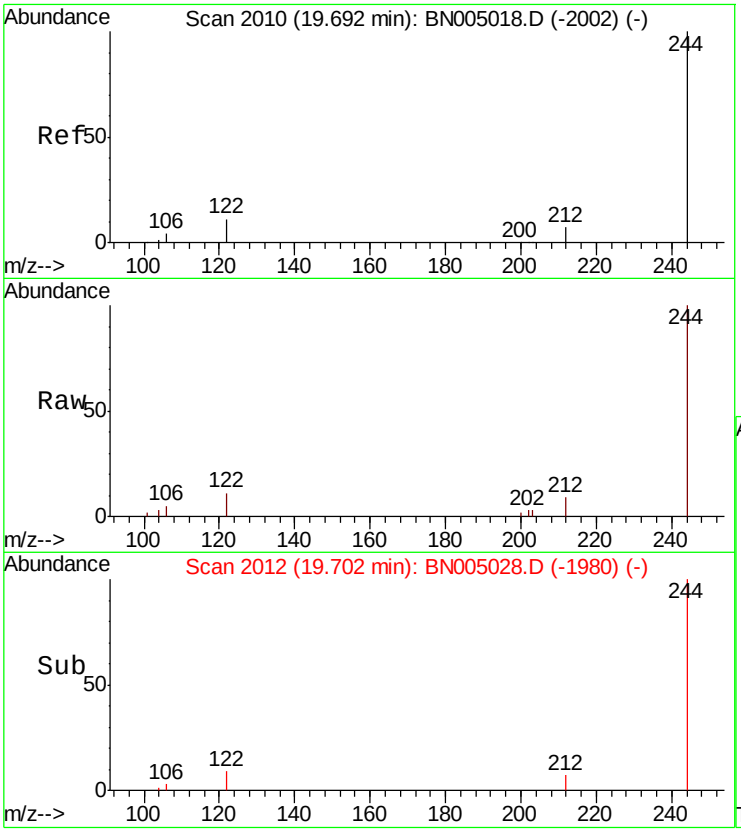


#28
Pyrene
Concen: 0.170 ng
RT: 19.50 min Scan# 1971
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:202 Resp: 10260

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	18.7	13.9	20.9



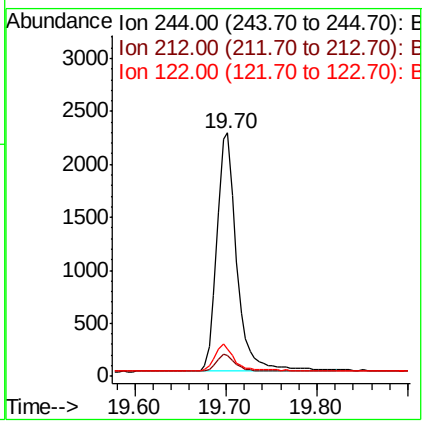


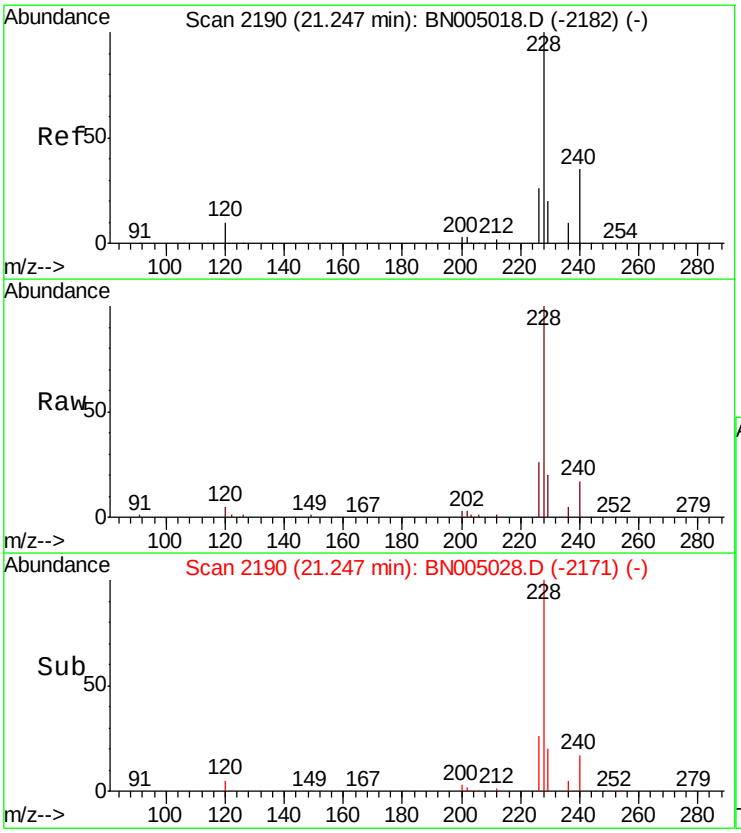
#29
Terphenyl-d14
Concen: 0.078 ng
RT: 19.70 min Scan# 2012
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:244 Resp: 3420

Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.9	8.9
122	11.1	9.0	13.4

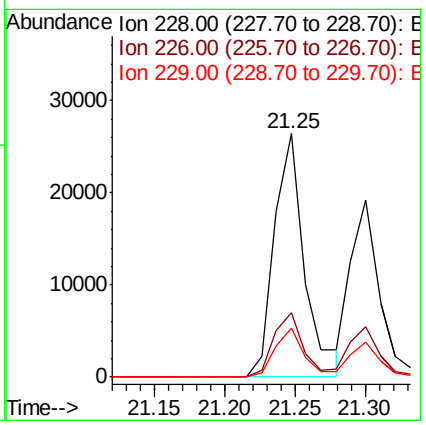


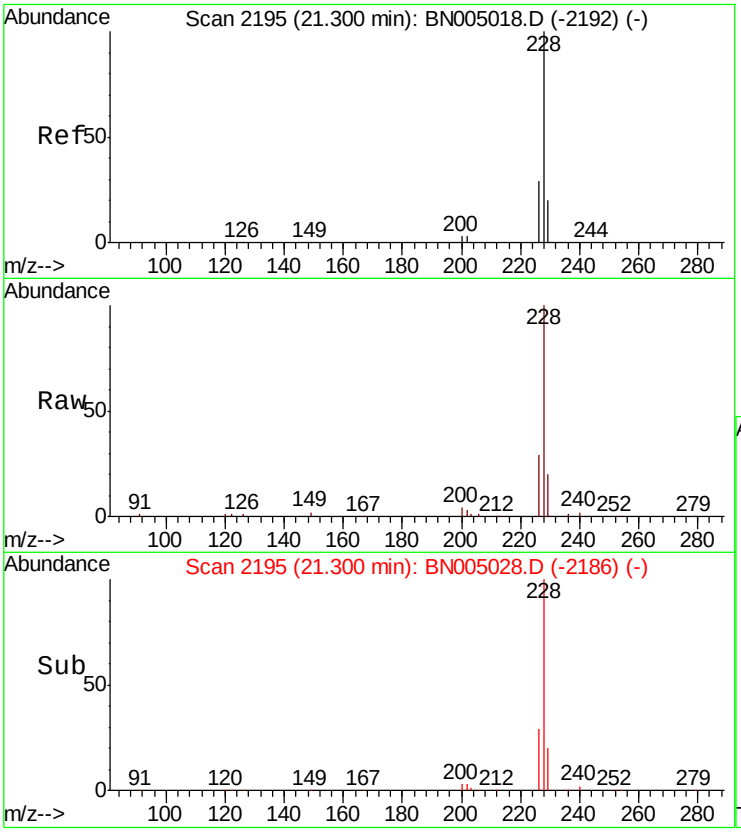


#30
Benzo(a)anthracene
Concen: 0.662 ng
RT: 21.25 min Scan# 2190
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:228 Resp: 39720

Ion	Ratio	Lower	Upper
228	100		
226	26.2	20.9	31.3
229	20.2	16.2	24.2



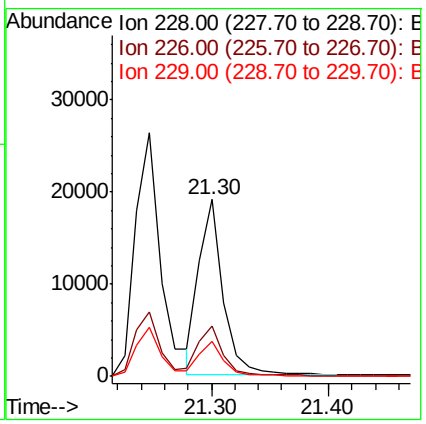


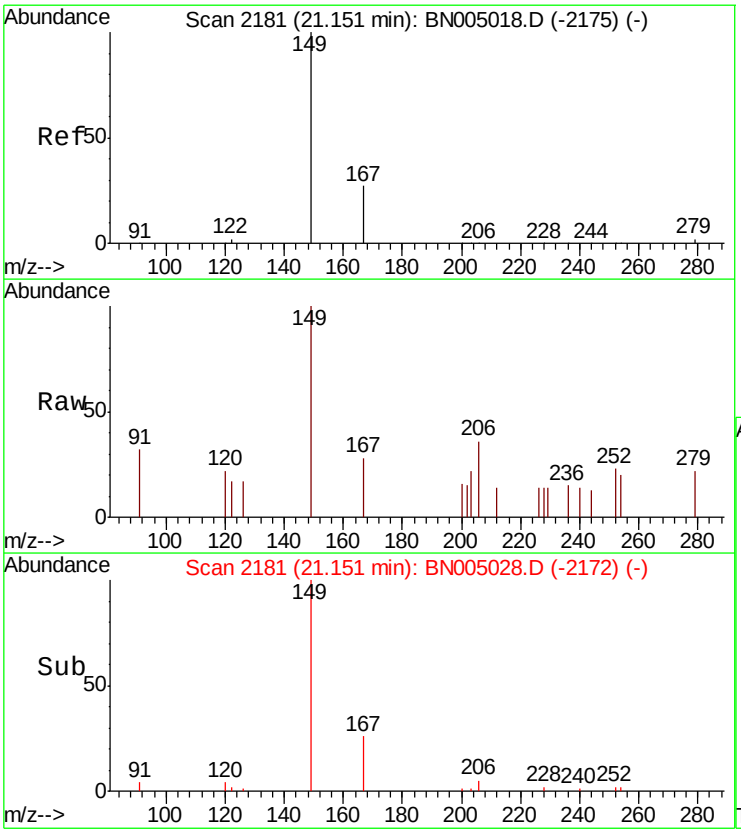
#31
Chrysene
Concen: 0.420 ng
RT: 21.30 min Scan# 2195
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:228 Resp: 27194

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.8	34.2
229	20.0	16.2	24.4

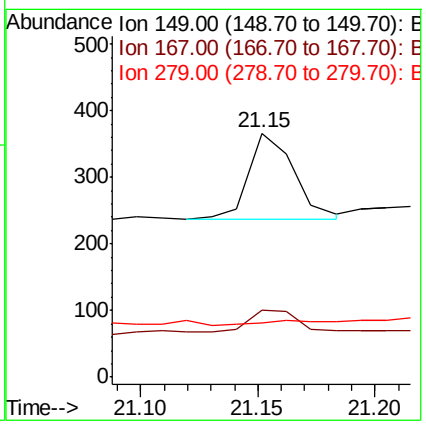


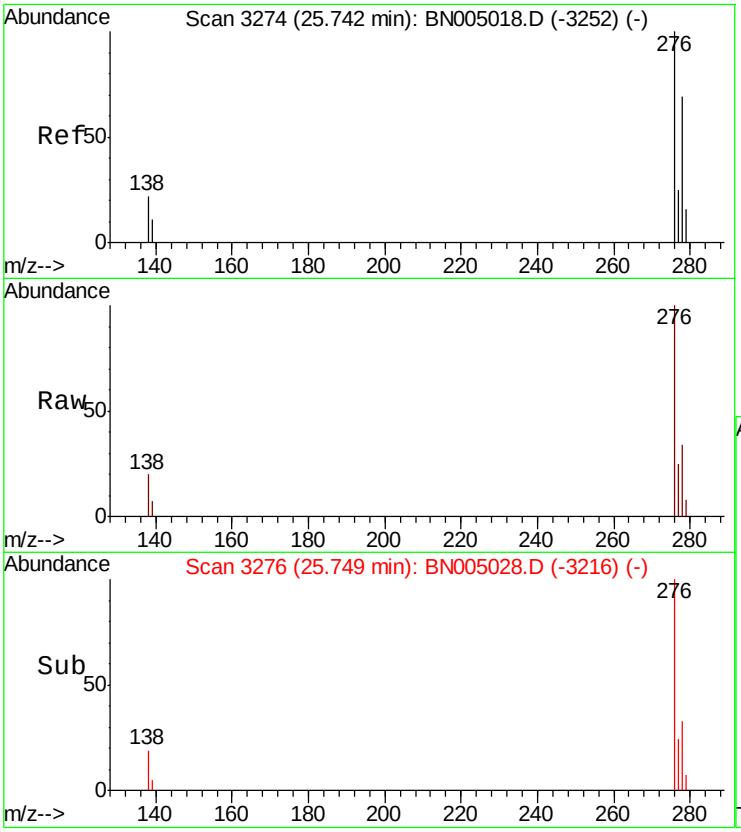


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.007 ng
RT: 21.15 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:149 Resp: 173

Ion	Ratio	Lower	Upper
149	100		
167	32.4	22.2	33.4
279	6.4	4.2	6.4



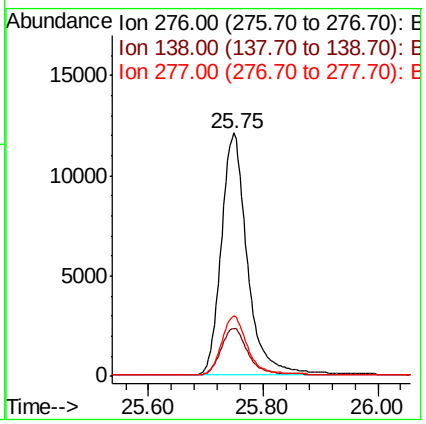


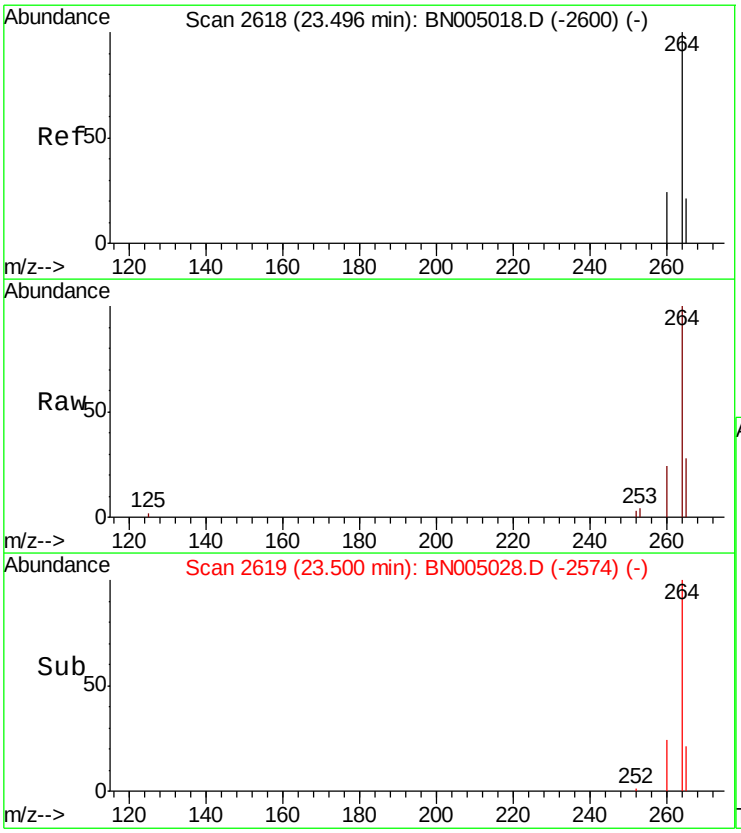
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.524 ng
RT: 25.75 min Scan# 3276
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:276 Resp: 38143

Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.2	27.2
277	24.4	20.3	30.5

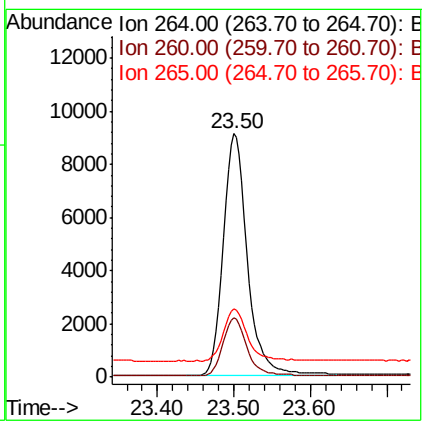


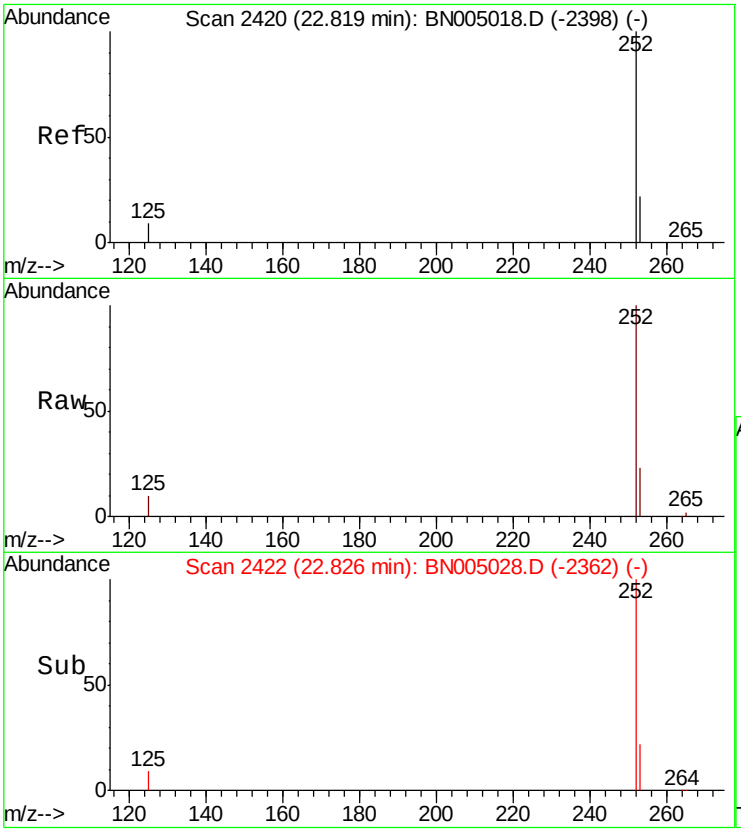


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.50 min Scan# 2619
Delta R.T. 0.00 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:264 Resp: 20291

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.0
265	28.2	22.5	33.7



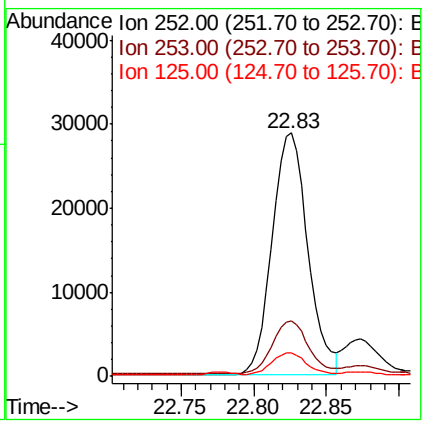


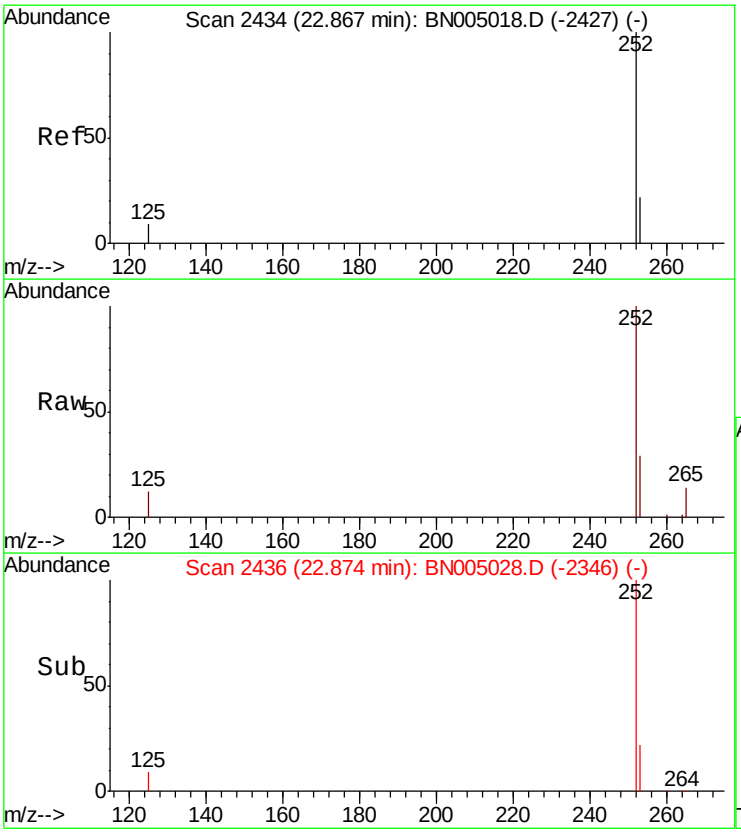
#35
Benzo(b)fluoranthene
Concen: 0.761 ng
RT: 22.83 min Scan# 2422
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:252 Resp: 49502

Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.2	28.8
125	9.5	8.2	12.2

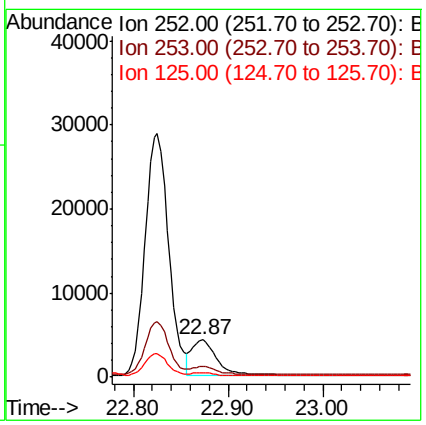


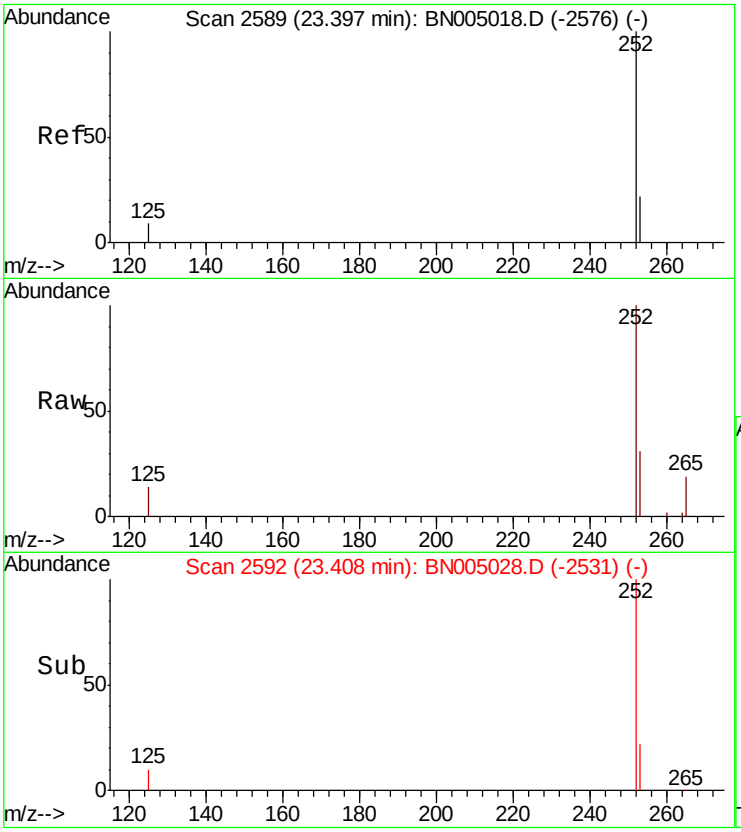


#36
Benzo(k)fluoranthene
Concen: 0.127 ng
RT: 22.87 min Scan# 2436
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:252 Resp: 7994

Ion	Ratio	Lower	Upper
252	100		
253	28.6	19.3	28.9
125	12.1	8.2	12.2



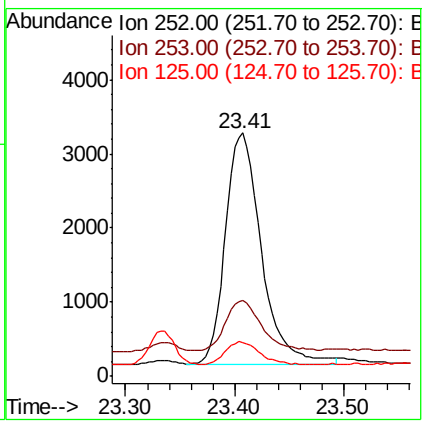


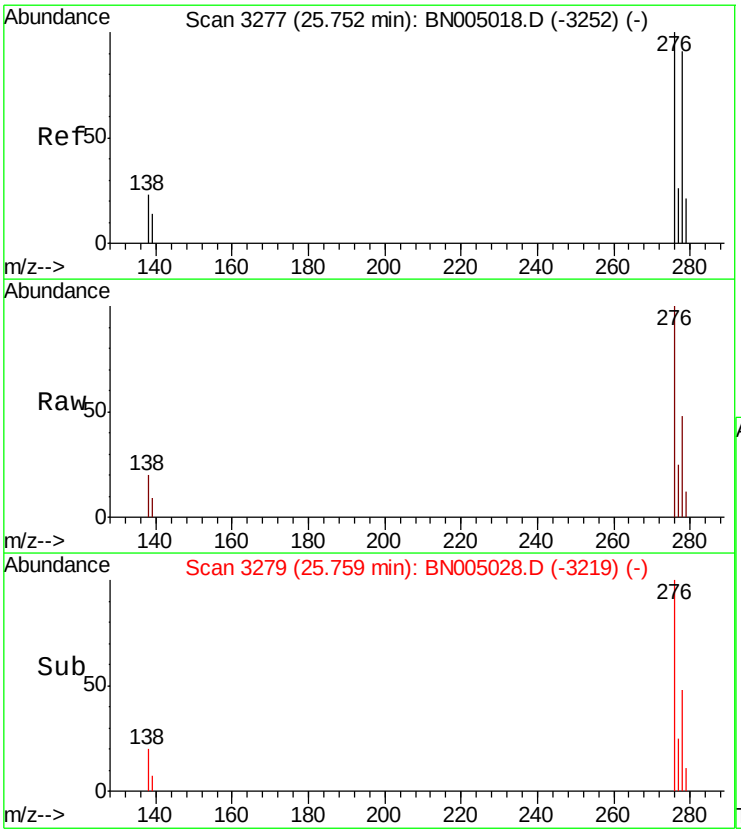
#37
Benzo(a)pyrene
Concen: 0.123 ng
RT: 23.41 min Scan# 2592
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:252 Resp: 7114

Ion	Ratio	Lower	Upper
252	100		
253	31.0	20.2	30.2#
125	14.0	9.2	13.8#

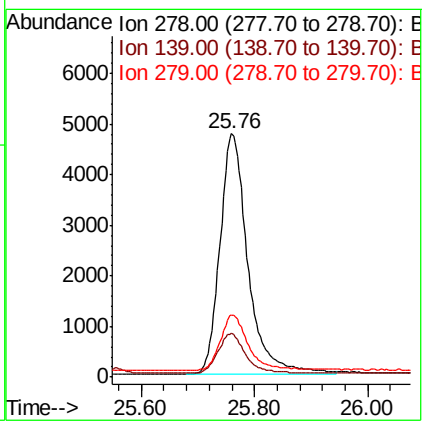


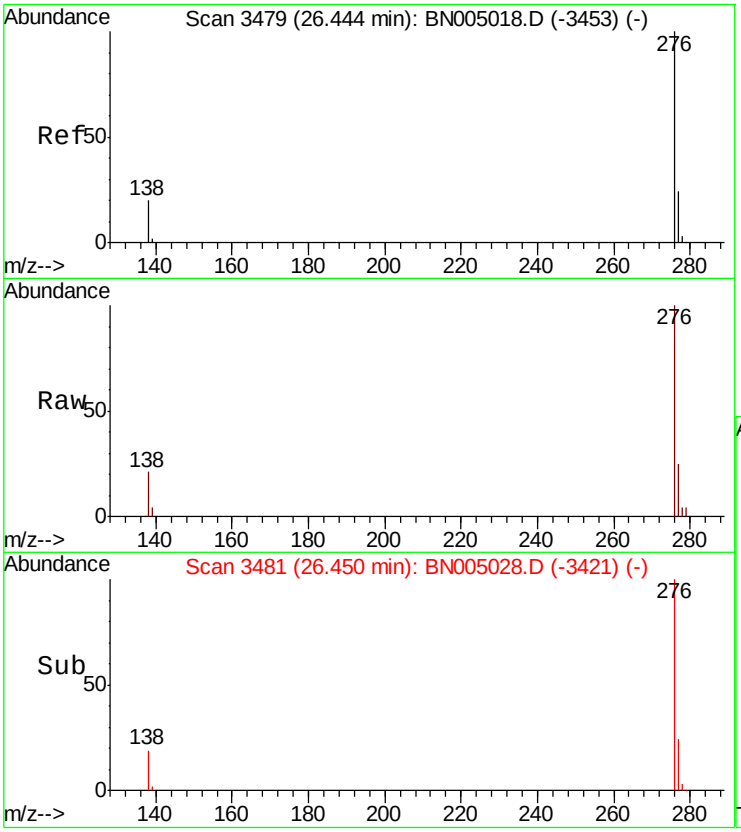


#38
Dibenzo(a,h)anthracene
Concen: 0.283 ng
RT: 25.76 min Scan# 3279
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Tgt Ion:278 Resp: 16355

Ion	Ratio	Lower	Upper
278	100		
139	17.8	13.1	19.7
279	25.6	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.221 ng
RT: 26.45 min Scan# 3481
Delta R.T. 0.01 min
Lab File: BN005028.D
Acq: 29 Mar 2019 11:07

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

Tgt Ion:276 Resp: 12856

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.8	29.6
138	20.5	16.4	24.6