Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102618\
Data File : BN003325.D
Acq On : 27 Oct 2018 03:10
Operator : MJ/SJ
Sample : J5521-02MSD 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : AOC6-01A

Quant Time: Oct 27 05:50:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN102618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 26 15:17:57 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	13428	0.40	ng		0.00
7) Naphthalene-d8	10.66	136	55759	0.40	ng		-0.01
13) Acenaphthene-d10	14.49	164	31760	0.40	ng		-0.01
19) Phenanthrene-d10	17.24	188	78535	0.40	ng		0.00
27) Chrysene-d12	21.42	240	89803	0.40	ng		0.00
34) Perylene-d12	23.74	264	86867	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.42	112	965	0.03	ng		0.00
5) Phenol-d6	7.01	99	1156	0.03	ng		0.00
8) Nitrobenzene-d5	9.02	82	796	0.03	ng		0.00
11) 2-Methylnaphthalene-d10	12.25	152	2400	0.03	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	329	0.03	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	3531	0.03	ng		-0.01
25) Fluoranthene-d10	19.26	212	5114	0.02	ng		0.00
29) Terphenyl-d14	19.86	244	6011	0.03	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.34	88	406	0.023	ng	#	71
3) n-Nitrosodimethylamine	3.67	42	391	0.049	ng	#	60
6) bis(2-Chloroethyl)ether	7.29	93	962	0.026	ng		99
9) Naphthalene	10.71	128	3788	0.028	ng	#	94
10) Hexachlorobutadiene	10.99	225	549	0.022	ng	#	98
12) 2-Methylnaphthalene	12.32	142	2567	0.027	ng		95
16) Acenaphthylene	14.22	152	4418	0.031	ng		99
17) Acenaphthene	14.56	154	2262	0.023	ng		97
18) Fluorene	15.54	166	3126	0.025	ng		96
20) 4-Bromophenyl-phenylether	16.43	248	988	0.022	ng	#	88
21) Hexachlorobenzene	16.54	284	1057	0.022	ng		99
22) Pentachlorophenol	16.88	266	235	0.018	ng	#	91
23) Phenanthrene	17.28	178	8351	0.039	ng		99
24) Anthracene	17.37	178	4722	0.026	ng		99
26) Fluoranthene	19.29	202	14826	0.060	ng		99
28) Pyrene	19.66	202	14553	0.059	ng		99
30) Benzo(a)anthracene	21.40	228	11288	0.048	ng		97
31) Chrysene	21.45	228	11976	0.047	ng		97
32) Bis(2-ethylhexyl)phthalate	21.32	149	3671	0.053	ng	#	97
33) Indeno(1,2,3-cd)pyrene	26.09	276	10129	0.039	ng		96
35) Benzo(b)fluoranthene	23.03	252	15343	0.057	ng	#	87
36) Benzo(k)fluoranthene	23.08	252	8701	0.032	ng	#	76
37) Benzo(a)pyrene	23.63	252	11158	0.045	ng	#	88
38) Dibenzo(a,h)anthracene	26.12	278	5786	0.025	ng	#	79
39) Benzo(g,h,i)perylene	26.82	276	9669	0.042	ng		93

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

Quantitation Report (QT Reviewed)

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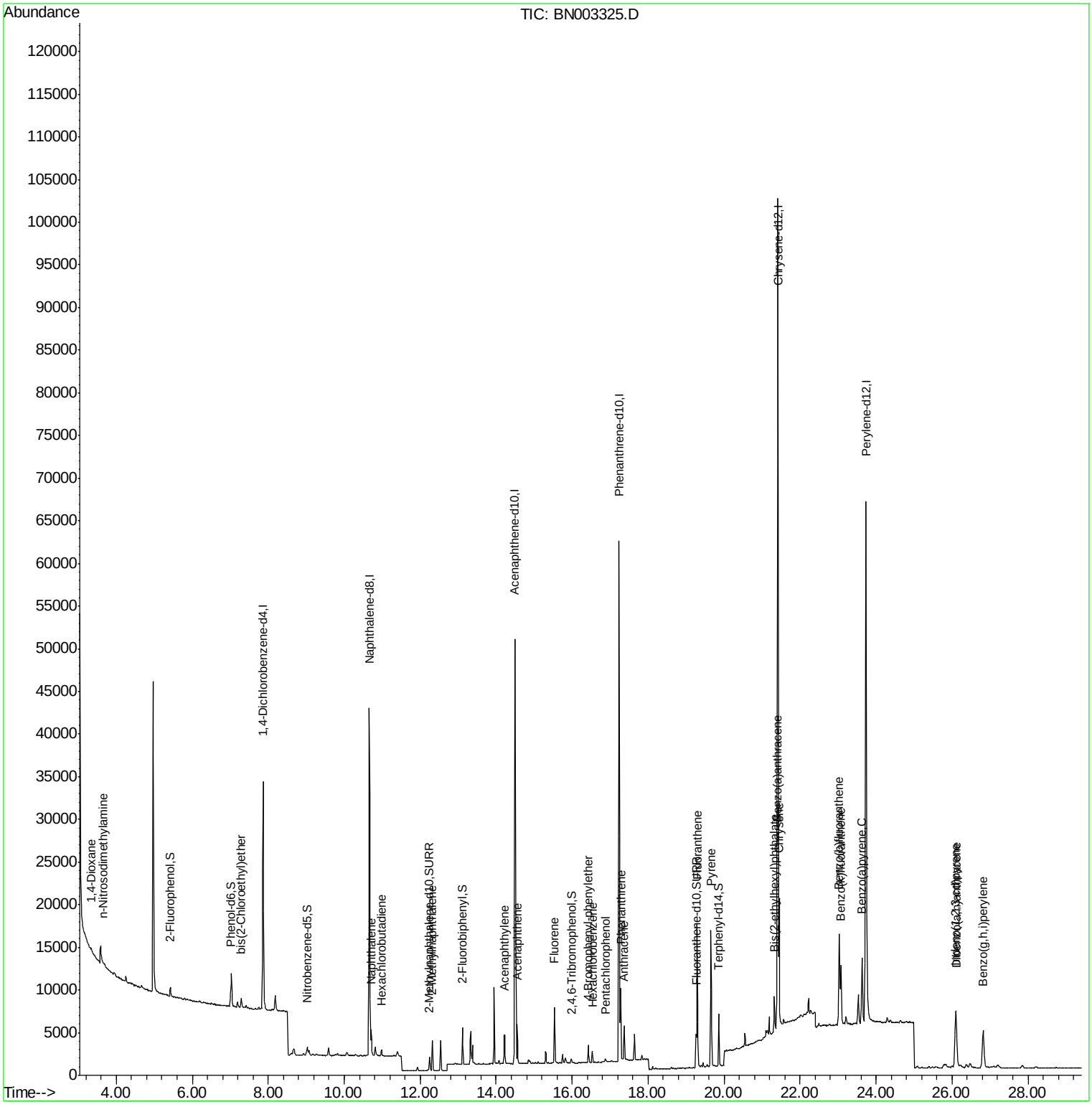
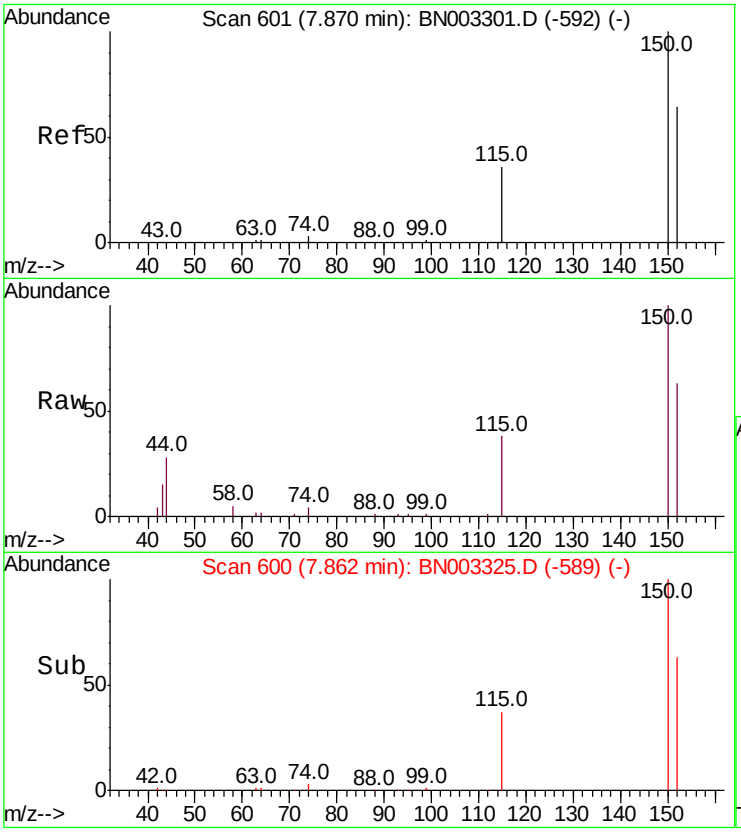
Acq On : 27 Oct 2018 03:10
Operator : MJ/SJ
Sample : J5521-02MSD 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Quant Time: Oct 27 05:50:00 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN102618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 26 15:17:57 2018
Response via : Initial Calibration



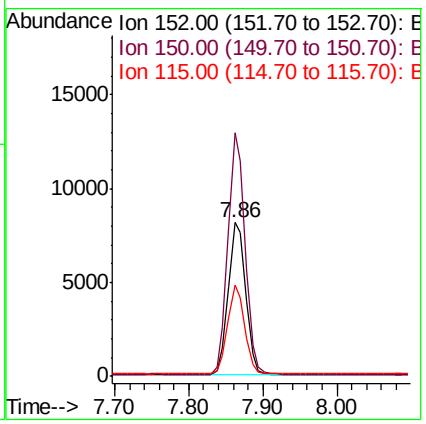


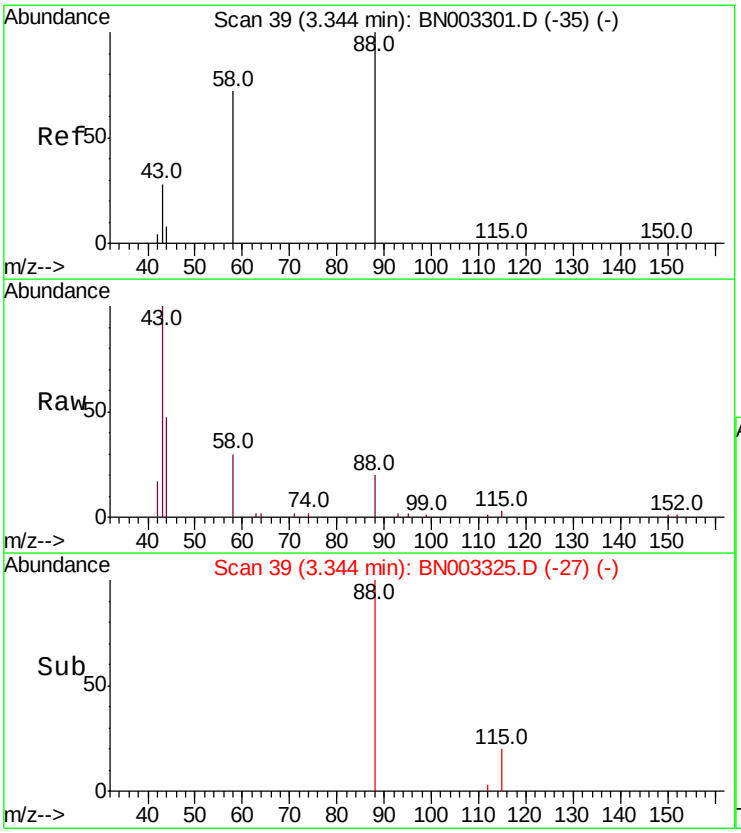
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 600
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:152 Resp: 13428

Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	187.0
115	59.4	46.4	69.6

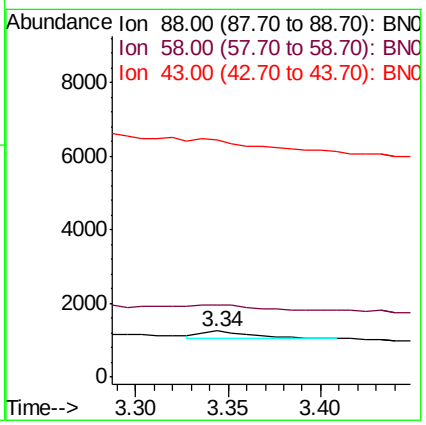


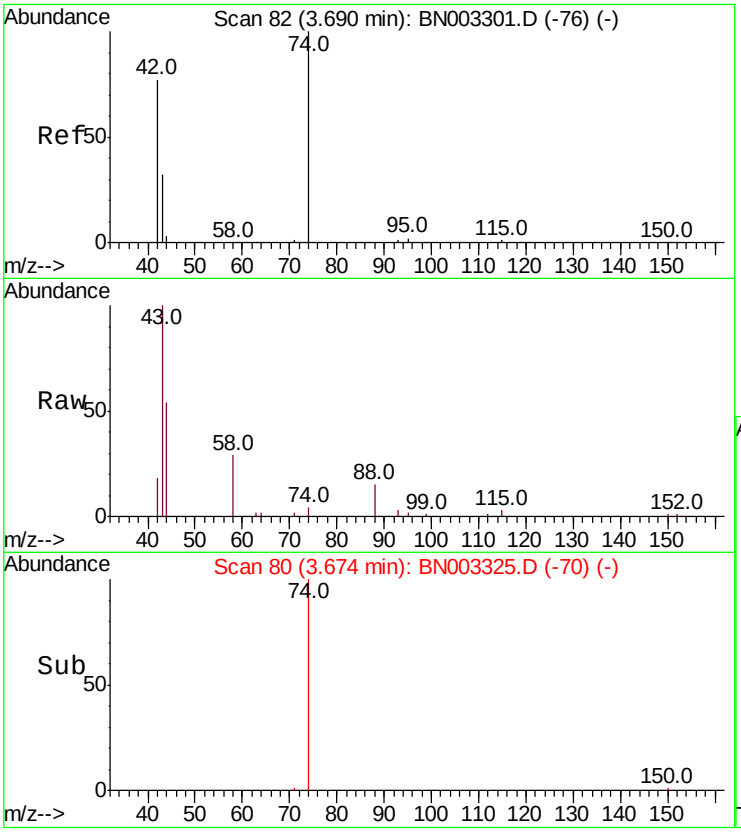


#2
1,4-Dioxane
Concen: 0.023 ng
RT: 3.34 min Scan# 39
Delta R.T. 0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion: 88 Resp: 406

Ion	Ratio	Lower	Upper
88	100		
58	92.1	60.9	91.3#
43	0.0	23.9	35.9#



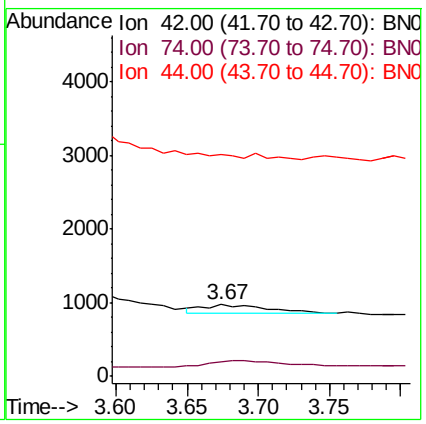


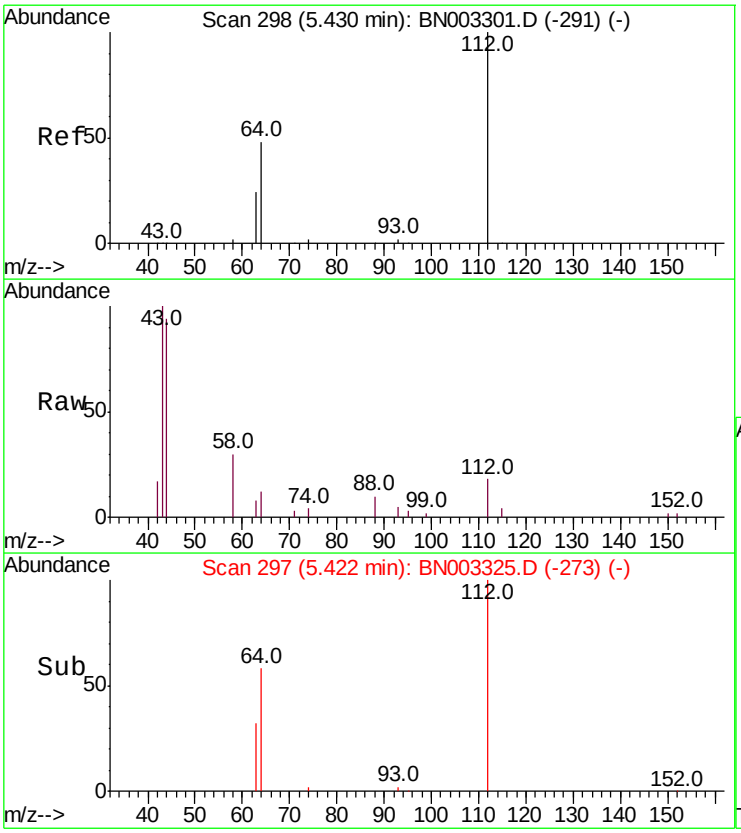
#3
n-Nitrosodimethylamine
Concen: 0.049 ng
RT: 3.67 min Scan# 80
Delta R.T. -0.02 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion: 42 Resp: 391

Ion	Ratio	Lower	Upper
42	100		
74	77.0	99.1	148.7#
44	0.0	4.2	6.4#

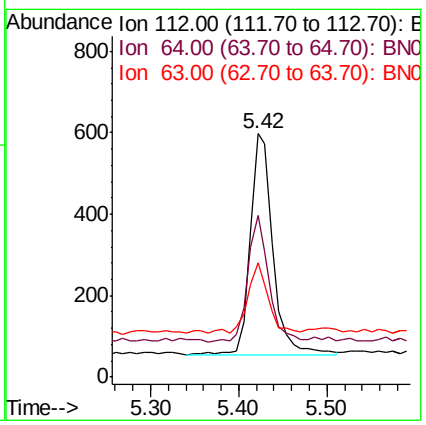


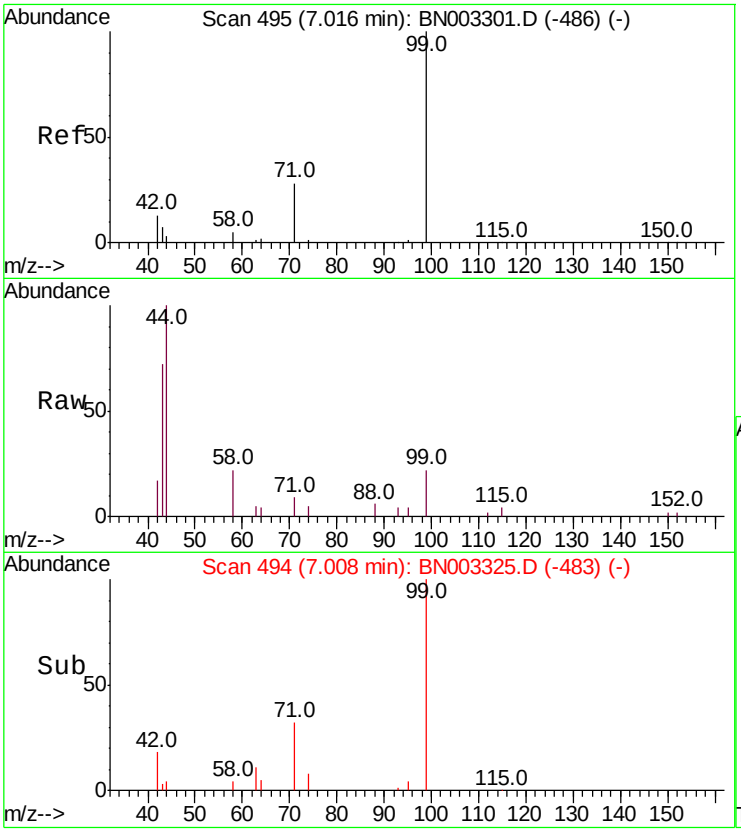


#4
2-Fluorophenol
Concen: 0.029 ng
RT: 5.42 min Scan# 297
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:112 Resp: 965

Ion	Ratio	Lower	Upper
112	100		
64	53.0	44.3	66.5
63	27.2	22.4	33.6



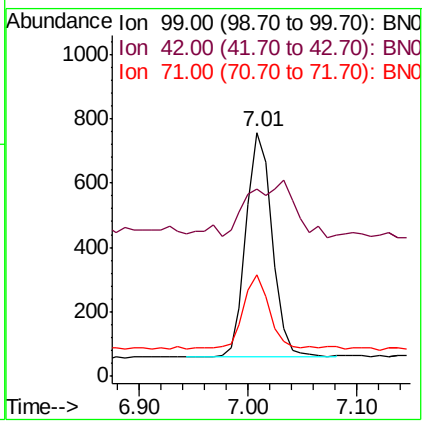


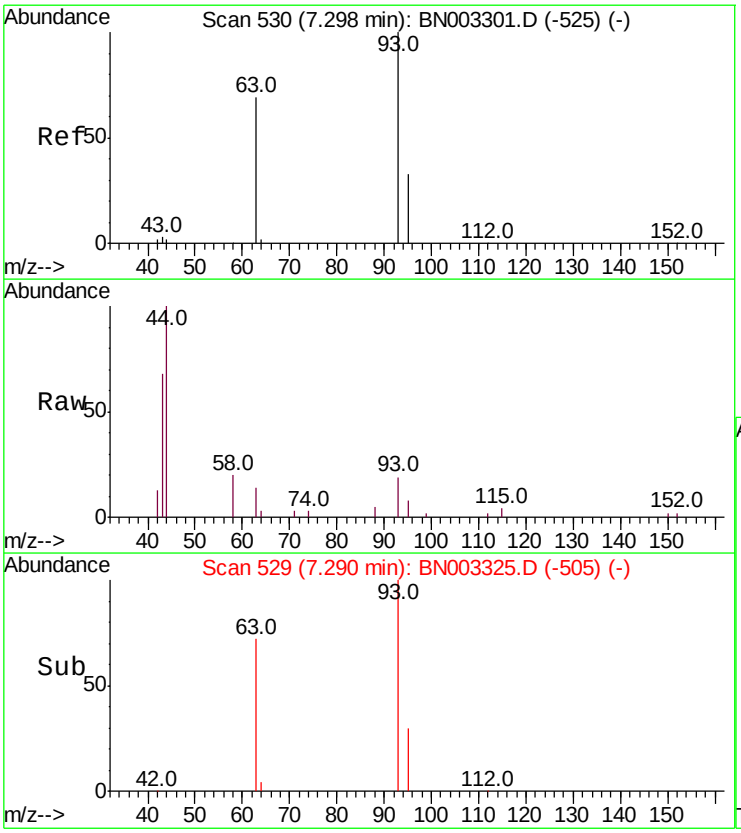
#5
Phenol-d6
Concen: 0.028 ng
RT: 7.01 min Scan# 494
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion: 99 Resp: 1156

Ion	Ratio	Lower	Upper
99	100		
42	0.0	14.8	22.2#
71	34.6	24.8	37.2

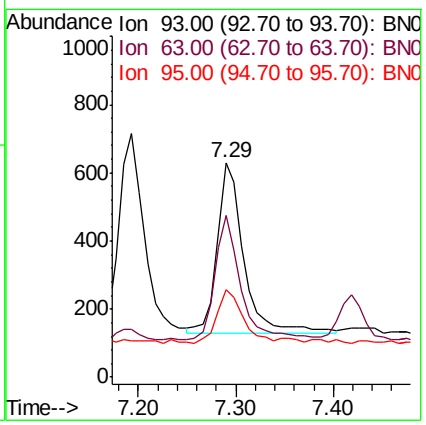


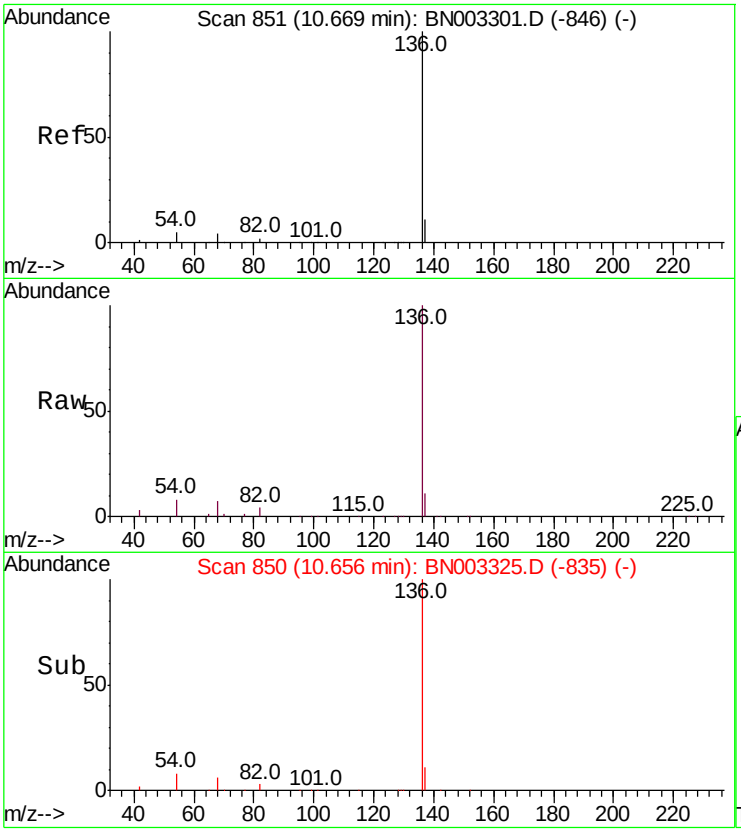


#6
bis(2-Chloroethyl)ether
Concen: 0.026 ng
RT: 7.29 min Scan# 529
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion: 93 Resp: 962

Ion	Ratio	Lower	Upper
93	100		
63	70.2	55.8	83.6
95	31.4	25.4	38.2



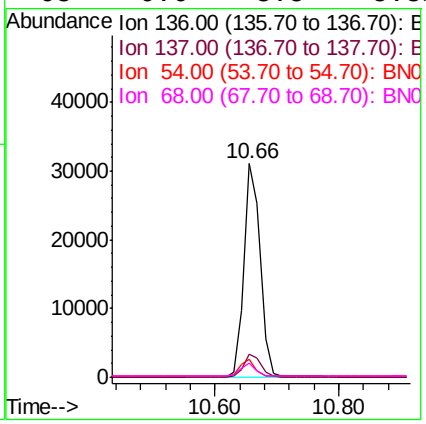


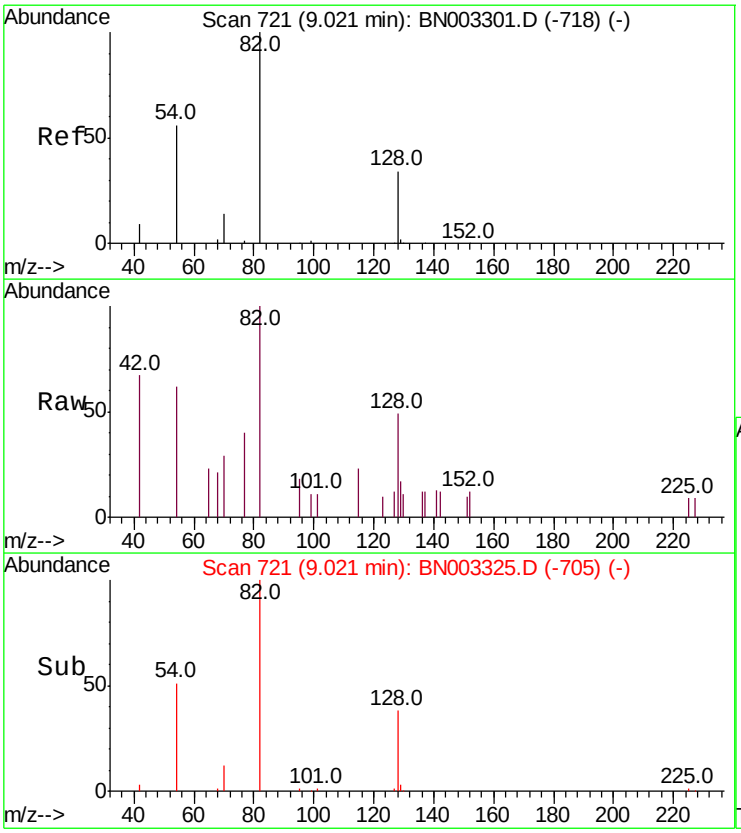
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.66 min Scan# 850
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:136 Resp: 55759

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.3	4.1	6.1#
68	6.6	3.5	5.3#

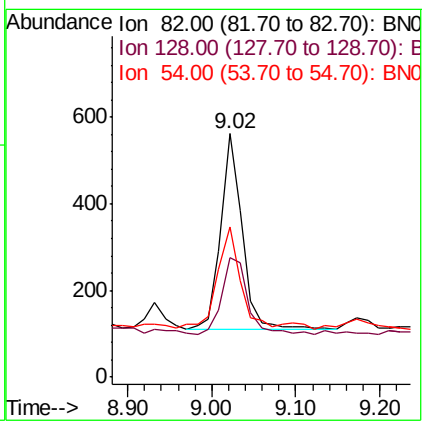


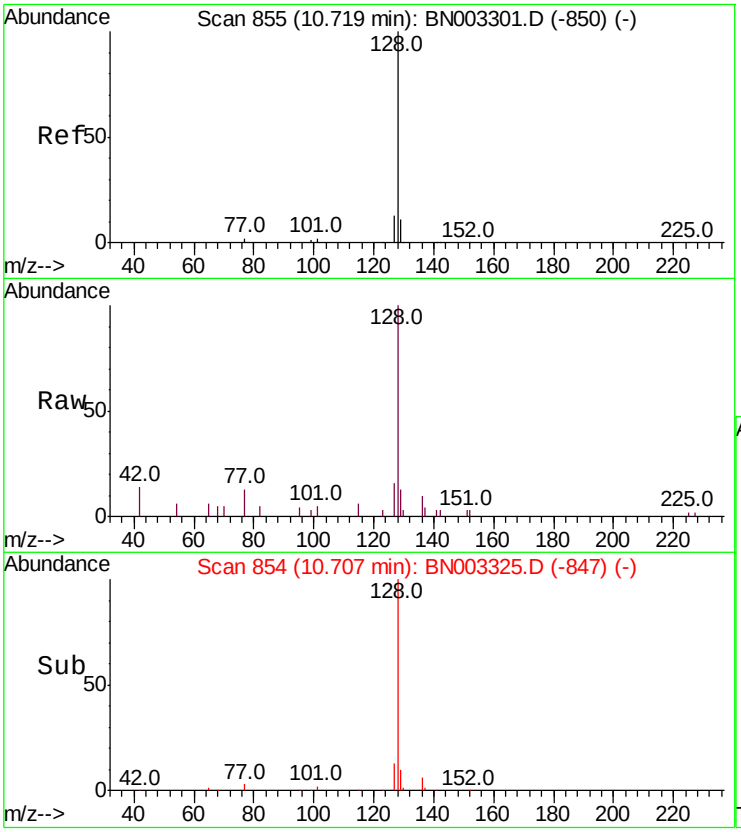


#8
Nitrobenzene-d5
Concen: 0.033 ng
RT: 9.02 min Scan# 721
Delta R.T. 0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion: 82 Resp: 796

Ion	Ratio	Lower	Upper
82	100		
128	49.1	28.9	43.3#
54	61.6	46.1	69.1



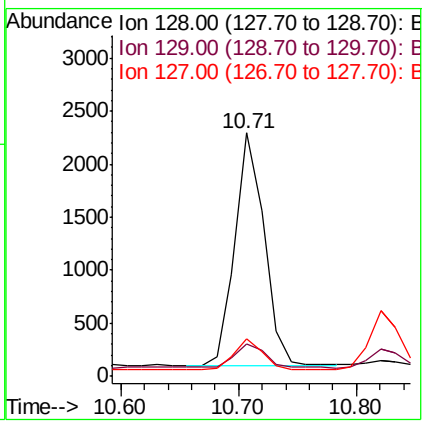


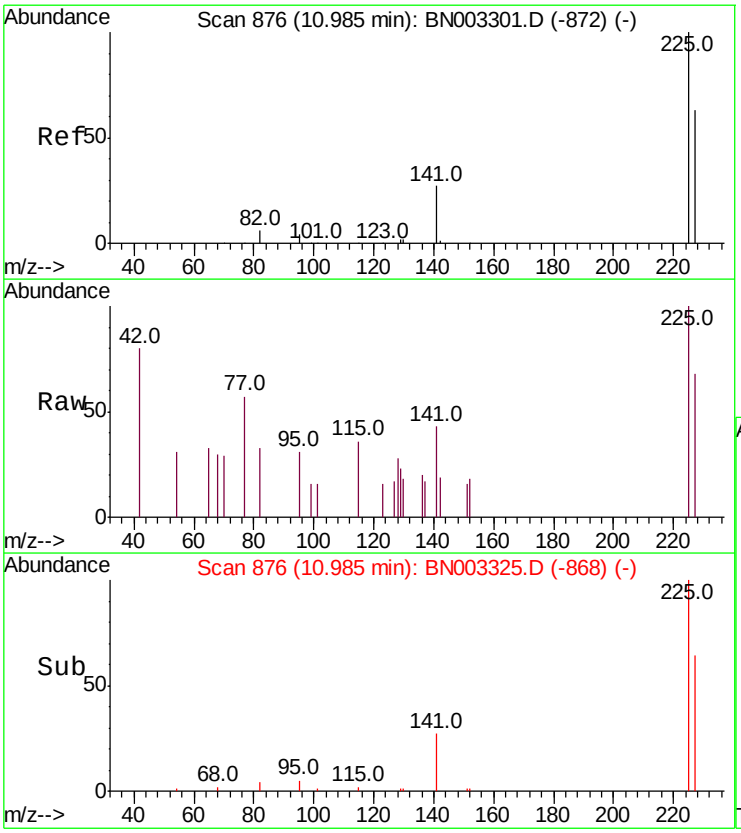
#9
Naphthalene
Concen: 0.028 ng
RT: 10.71 min Scan# 854
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:128 Resp: 3788

Ion	Ratio	Lower	Upper
128	100		
129	13.2	9.1	13.7
127	15.6	10.2	15.4#

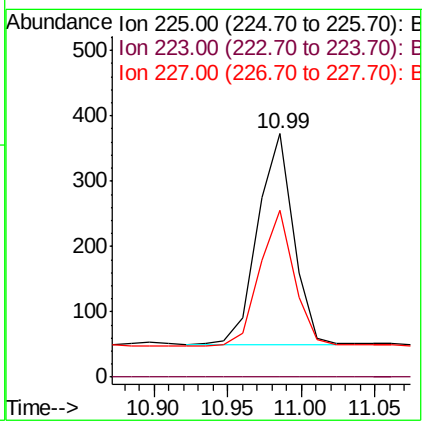


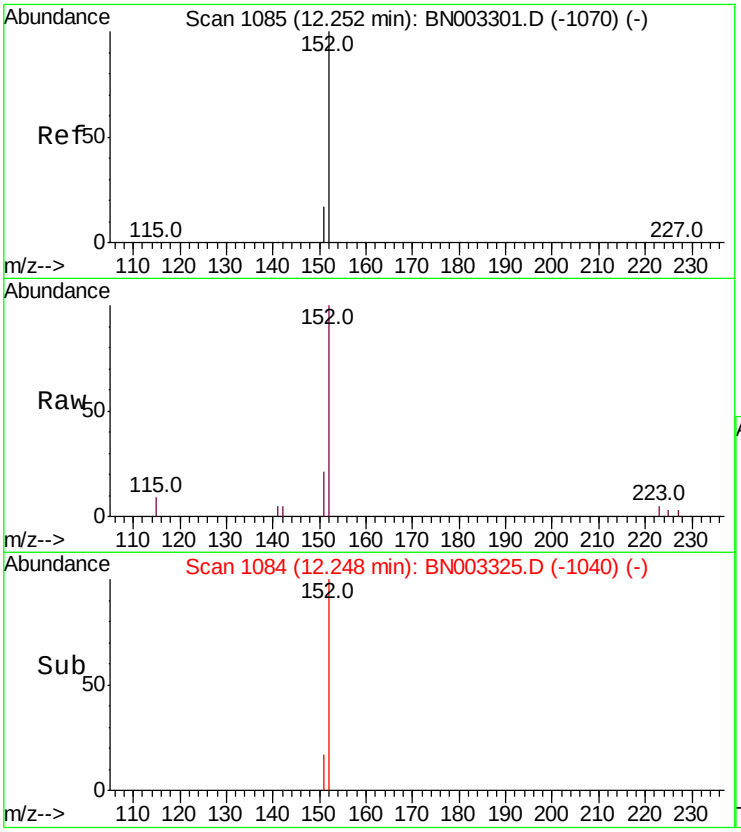


#10
Hexachlorobutadiene
Concen: 0.022 ng
RT: 10.99 min Scan# 876
Delta R.T. 0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:225 Resp: 549

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.5	51.3	76.9



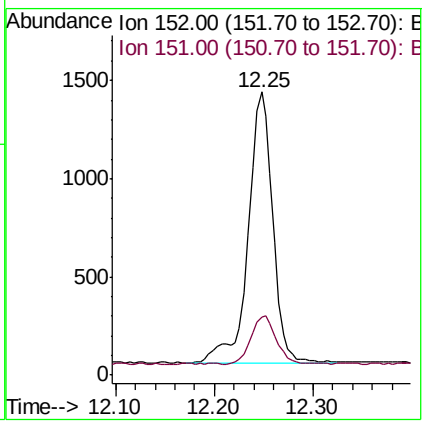


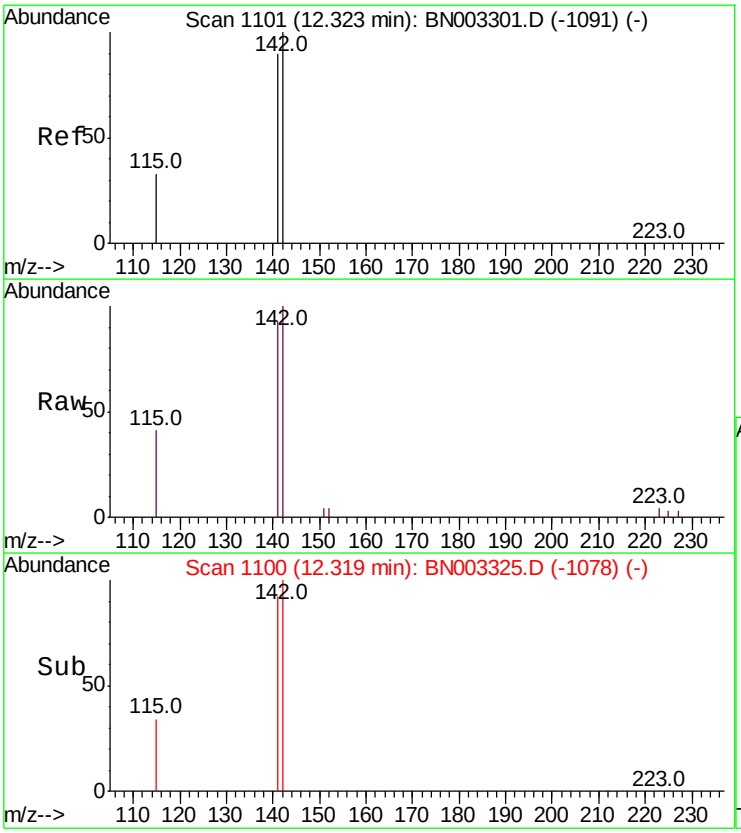
#11
2-Methylnaphthalene-d10
Concen: 0.026 ng
RT: 12.25 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:152 Resp: 2400

Ion	Ratio	Lower	Upper
152	100		
151	17.9	15.1	22.7

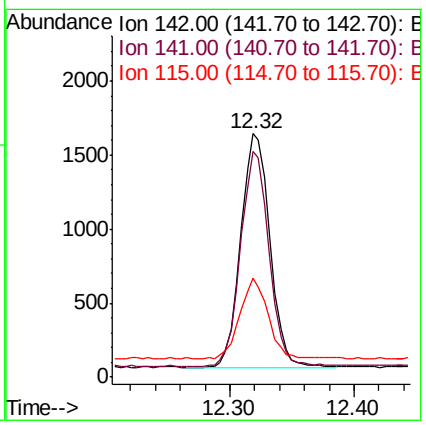


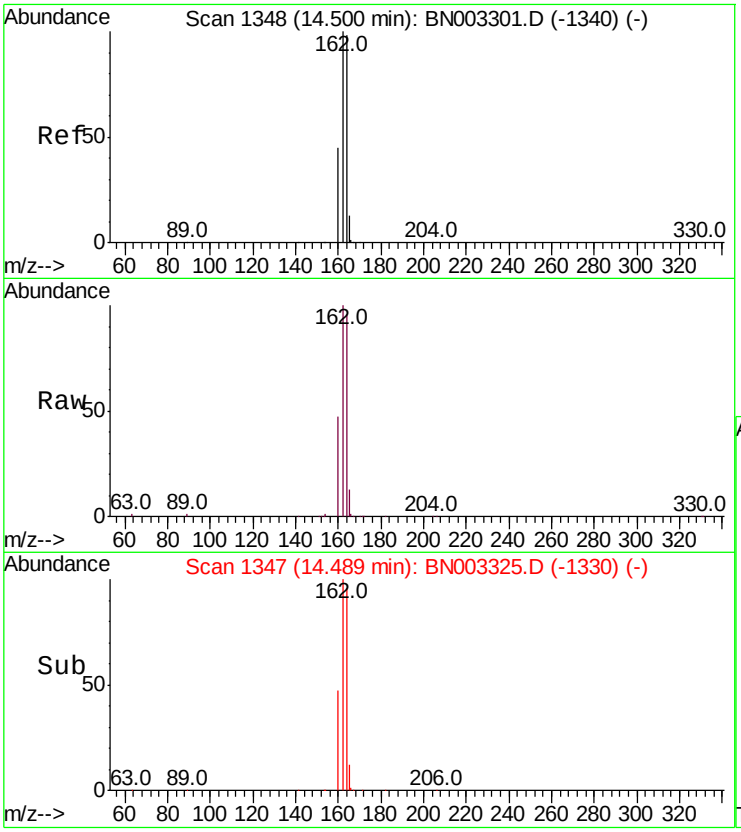


#12
2-Methylnaphthalene
Concen: 0.027 ng
RT: 12.32 min Scan# 1100
Delta R.T. -0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:142 Resp: 2567

Ion	Ratio	Lower	Upper
142	100		
141	92.6	71.9	107.9
115	40.5	27.0	40.6



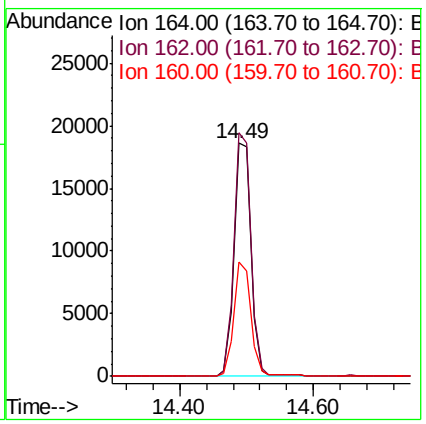


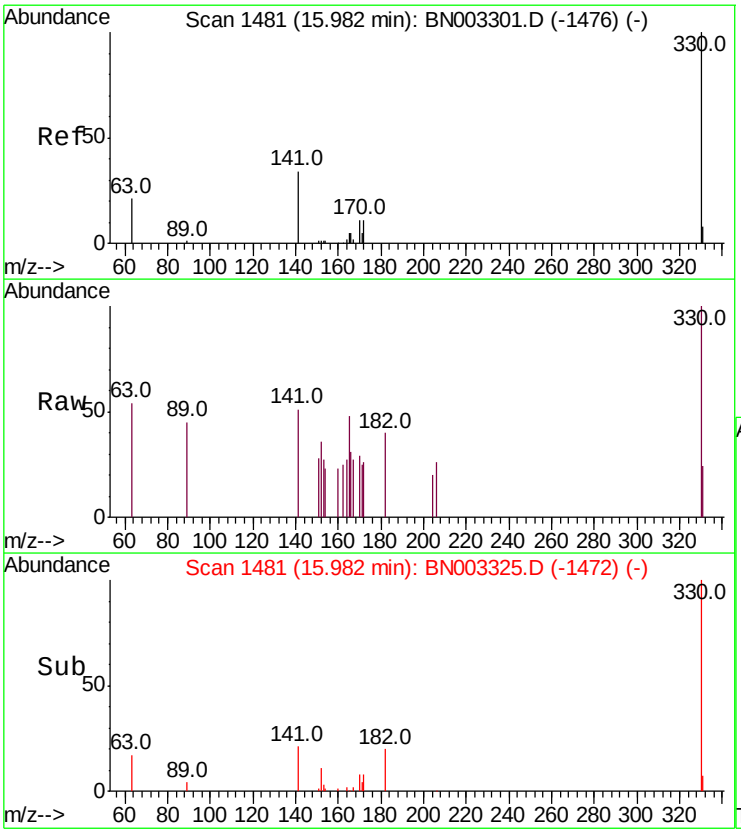
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:164 Resp: 31760

Ion	Ratio	Lower	Upper
164	100		
162	104.6	81.8	122.6
160	49.2	37.2	55.8

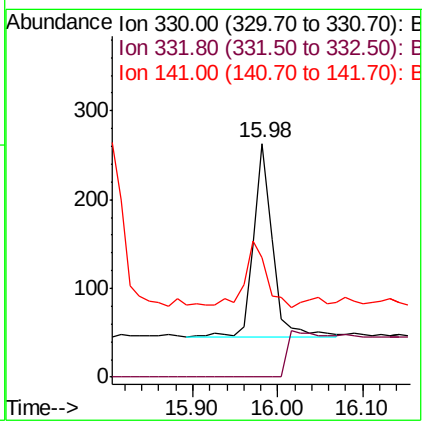


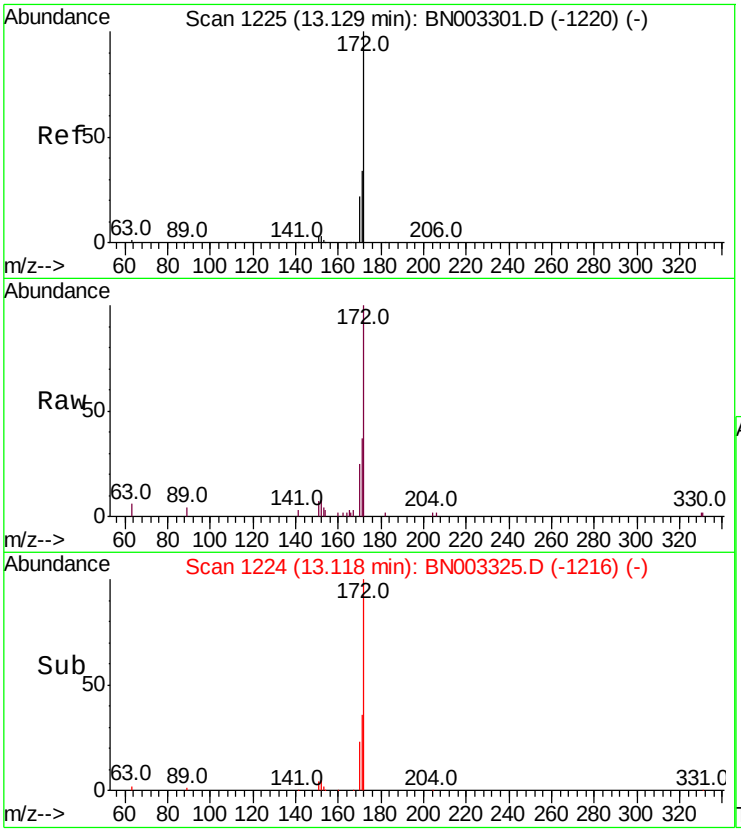


#14
2,4,6-Tribromophenol
Concen: 0.026 ng
RT: 15.98 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:330 Resp: 329

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	41.6	28.3	42.5



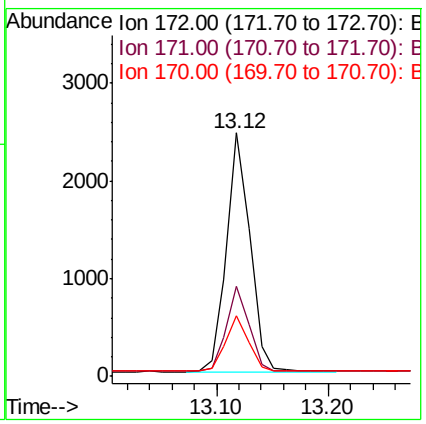


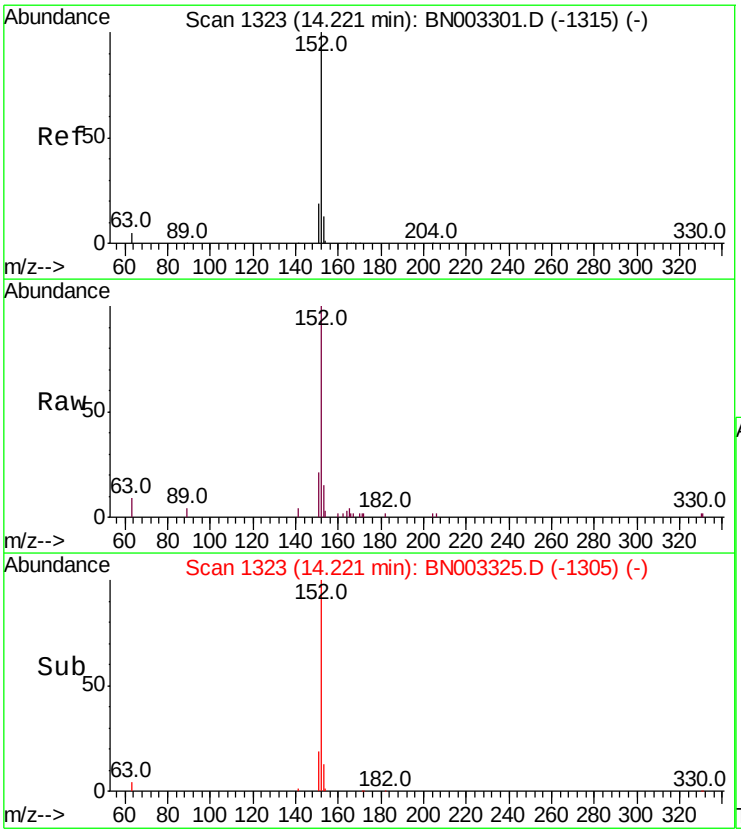
#15
2-Fluorobiphenyl
Concen: 0.026 ng
RT: 13.12 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:172 Resp: 3531

Ion	Ratio	Lower	Upper
172	100		
171	37.0	27.1	40.7
170	25.1	17.4	26.0

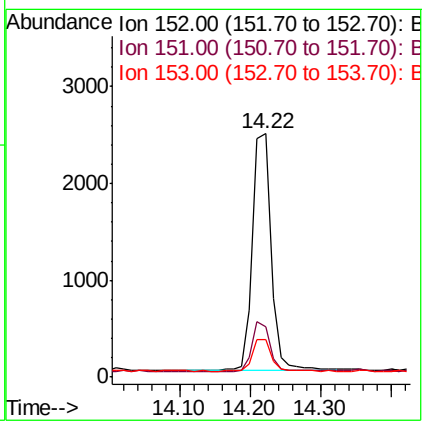


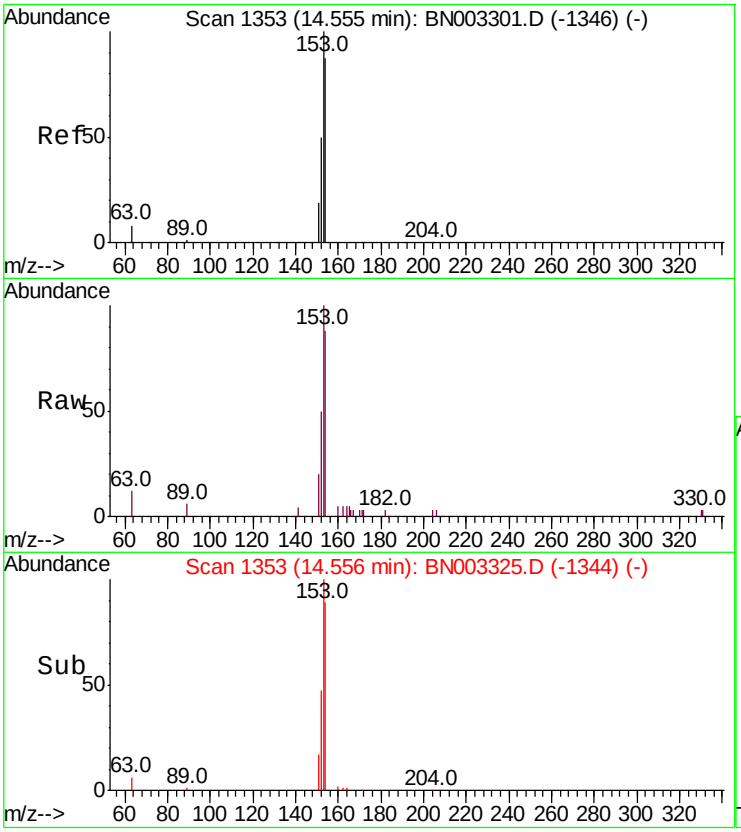


#16
Acenaphthylene
Concen: 0.031 ng
RT: 14.22 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:152 Resp: 4418

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.7	23.5
153	13.6	10.6	15.8



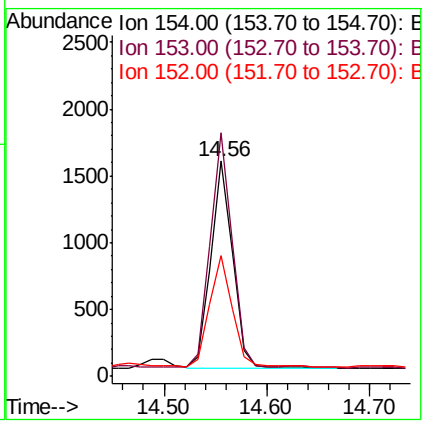


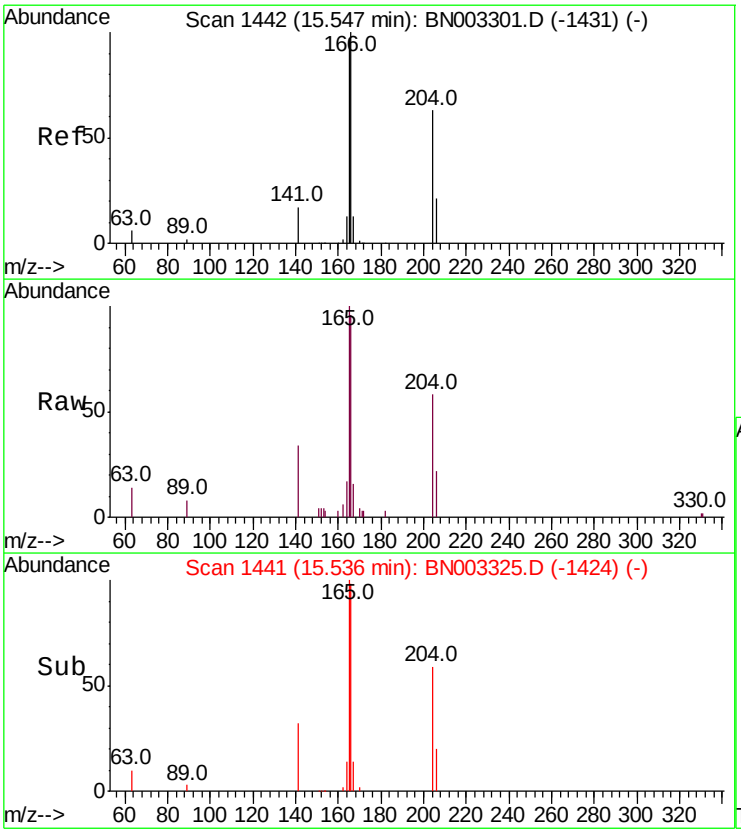
#17
Acenaphthene
Concen: 0.023 ng
RT: 14.56 min Scan# 1353
Delta R.T. 0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:154 Resp: 2262

Ion	Ratio	Lower	Upper
154	100		
153	113.9	88.9	133.3
152	56.9	43.5	65.3

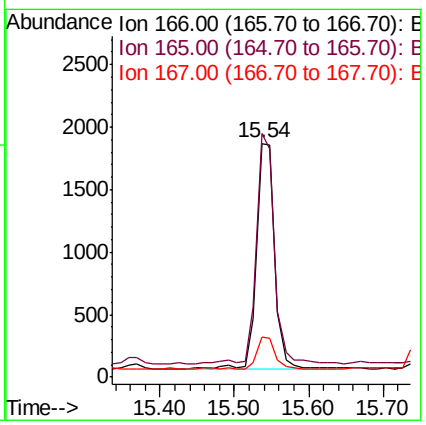


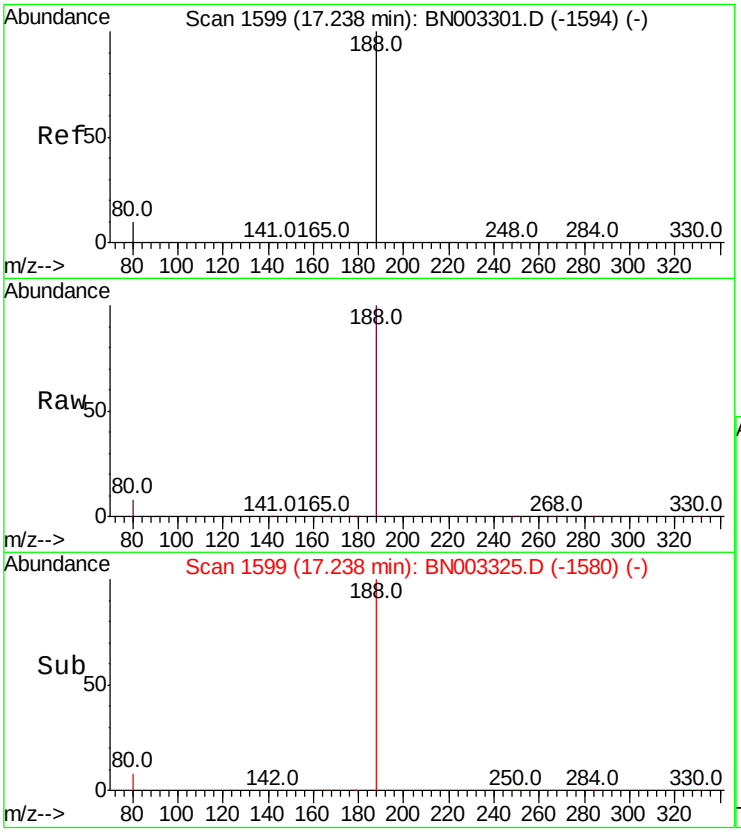


#18
Fluorene
Concen: 0.025 ng
RT: 15.54 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:166 Resp: 3126

Ion	Ratio	Lower	Upper
166	100		
165	101.6	77.8	116.8
167	14.5	10.9	16.3



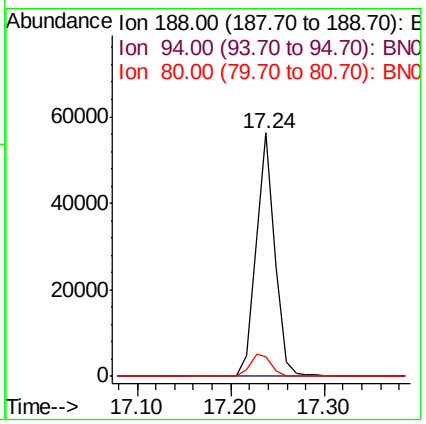


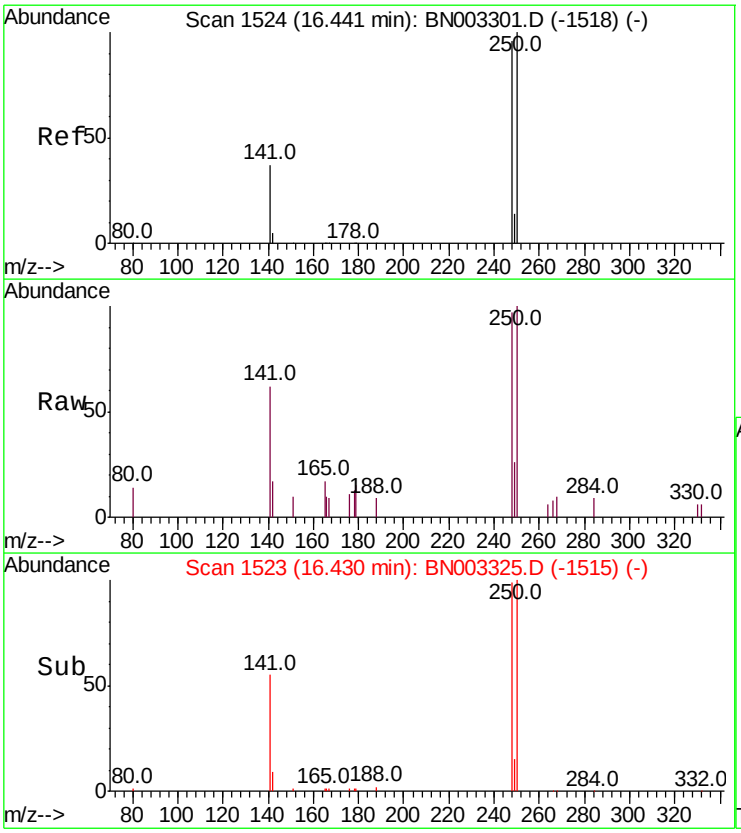
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:188 Resp: 78535

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	8.6	12.8#

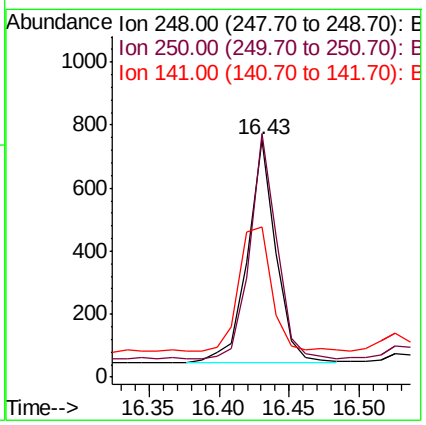


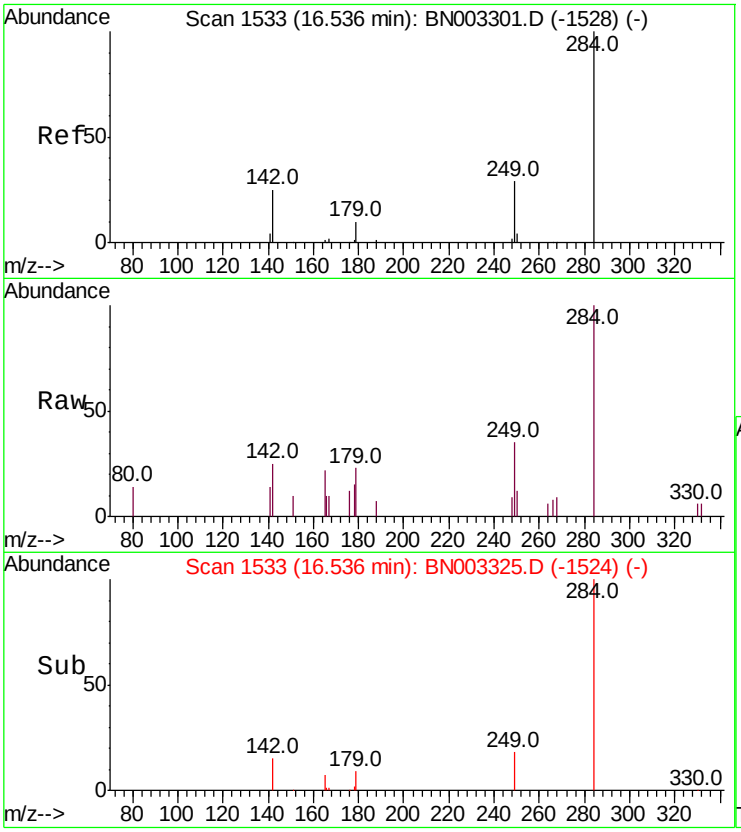


#20
4-Bromophenyl-phenylether
Concen: 0.022 ng
RT: 16.43 min Scan# 1523
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:248 Resp: 988

Ion	Ratio	Lower	Upper
248	100		
250	102.7	83.7	125.5
141	63.5	31.4	47.0#



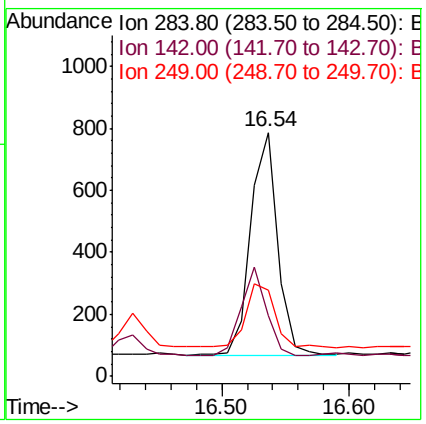


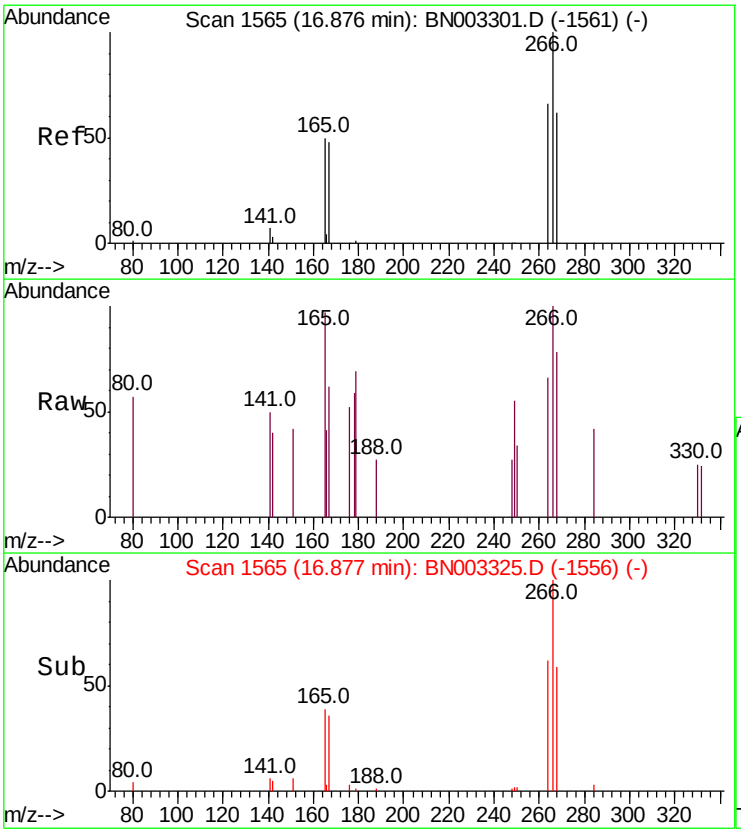
#21
Hexachlorobenzene
Concen: 0.022 ng
RT: 16.54 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:284 Resp: 1057

Ion	Ratio	Lower	Upper
284	100		
142	37.2	29.7	44.5
249	31.0	24.0	36.0

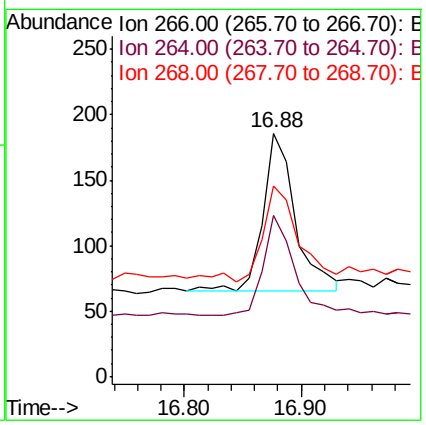


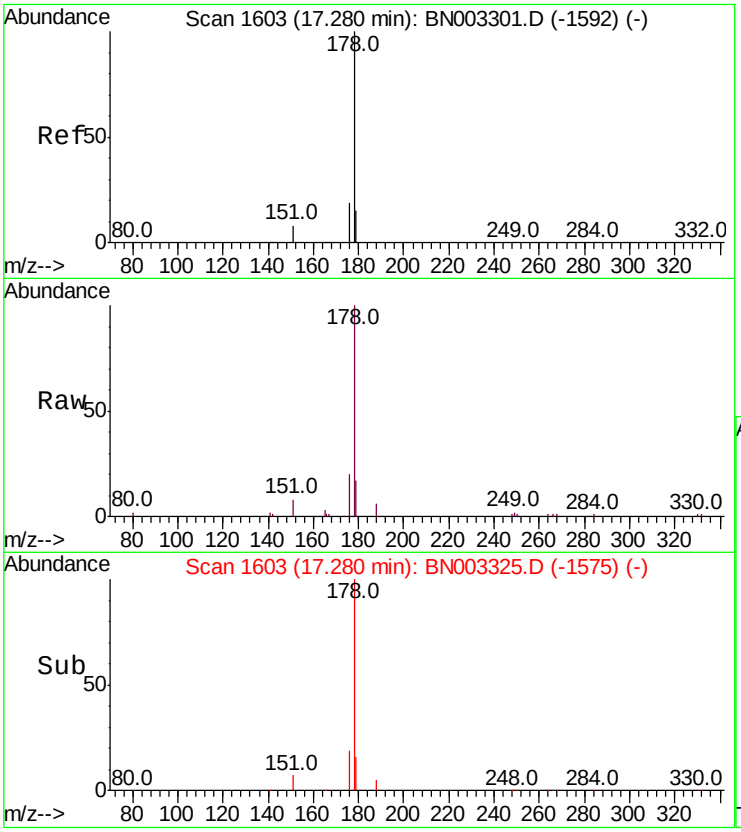


#22
Pentachlorophenol
Concen: 0.018 ng
RT: 16.88 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:266 Resp: 235

Ion	Ratio	Lower	Upper
266	100		
264	66.1	52.1	78.1
268	78.5	51.8	77.6#



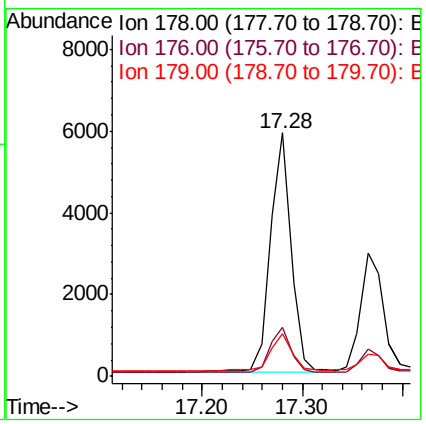


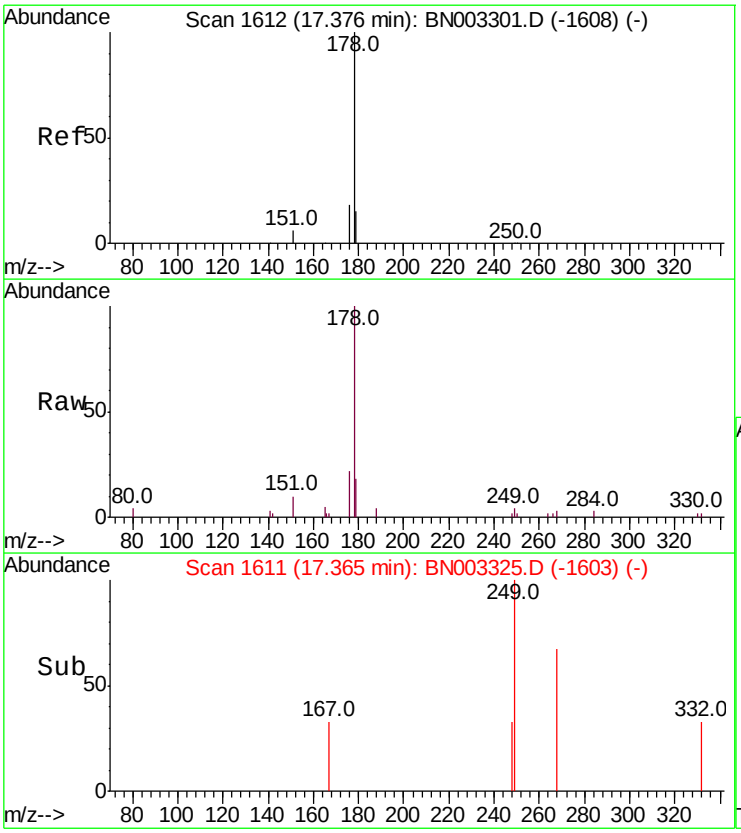
#23
Phenanthrene
Concen: 0.039 ng
RT: 17.28 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:178 Resp: 8351

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	16.3	12.4	18.6

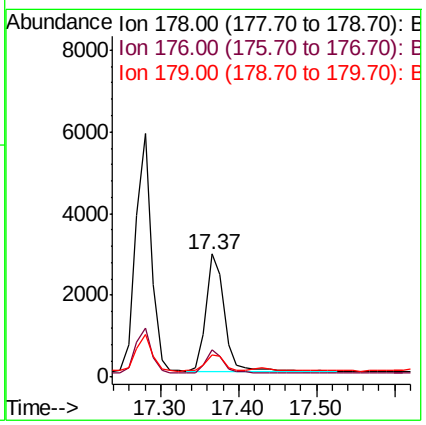


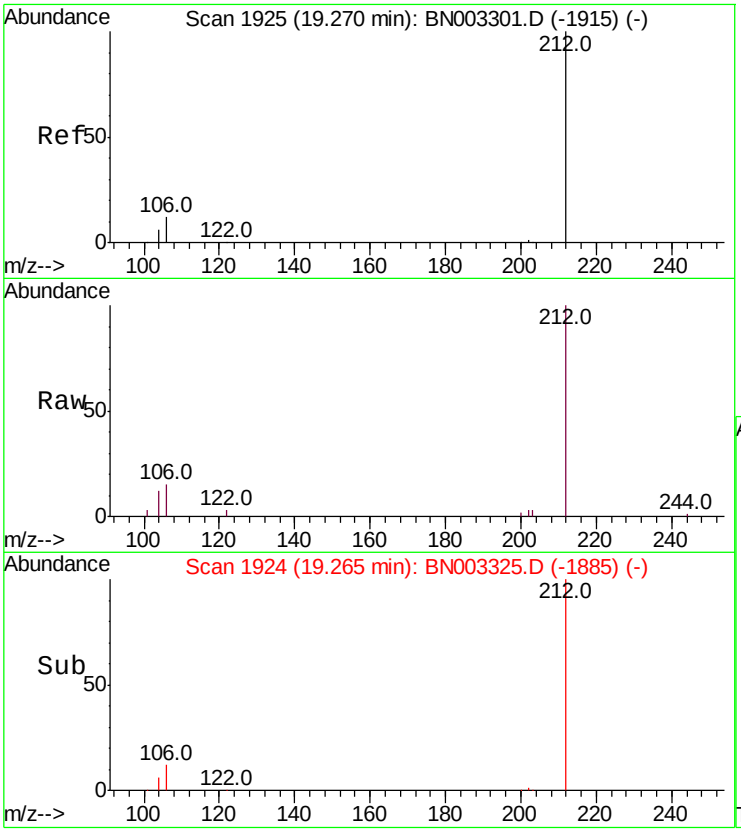


#24
Anthracene
Concen: 0.026 ng
RT: 17.37 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:178 Resp: 4722

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.5	21.7
179	15.2	12.2	18.4



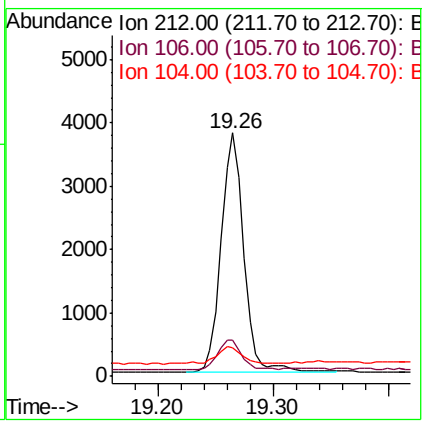


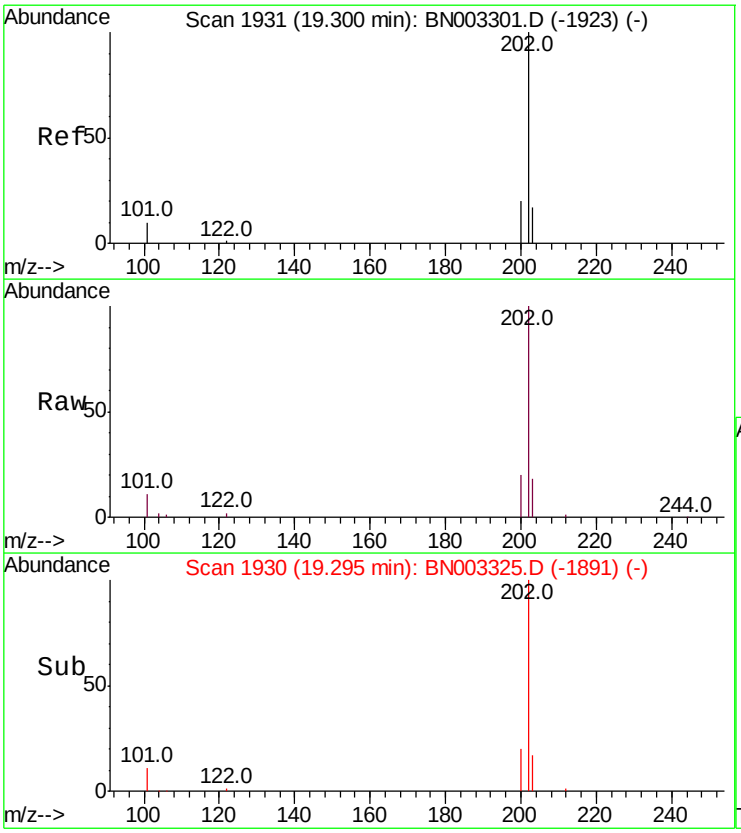
#25
Fluoranthene-d10
Concen: 0.022 ng
RT: 19.26 min Scan# 1924
Delta R.T. -0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:212 Resp: 5114

Ion	Ratio	Lower	Upper
212	100		
106	12.8	10.3	15.5
104	8.2	5.6	8.4

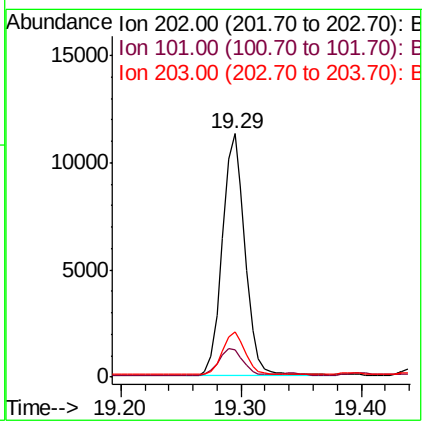


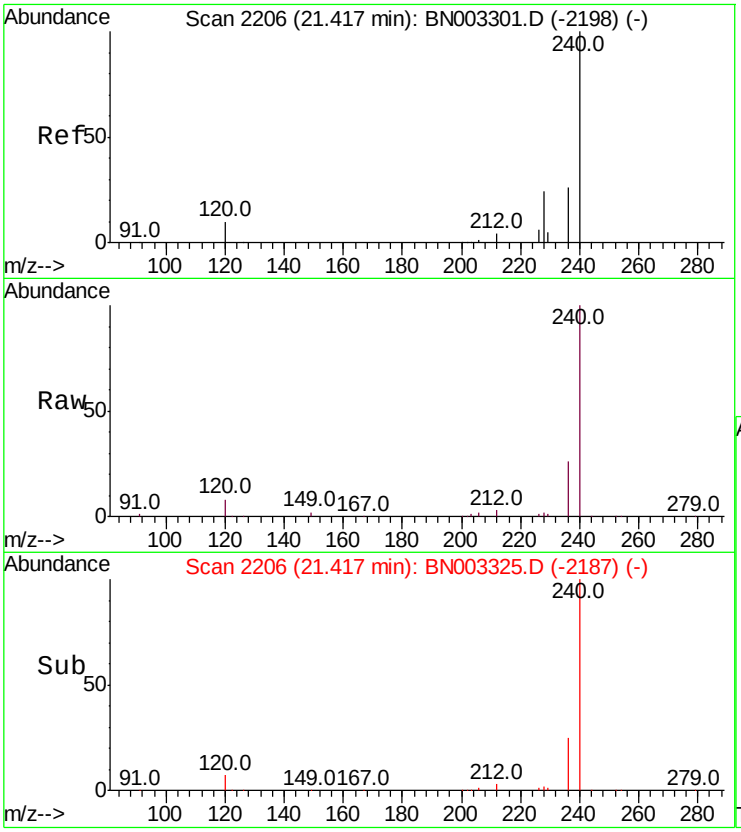


#26
Fluoranthene
Concen: 0.060 ng
RT: 19.29 min Scan# 1930
Delta R.T. -0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:202 Resp: 14826

Ion	Ratio	Lower	Upper
202	100		
101	11.9	9.0	13.4
203	17.6	13.8	20.6



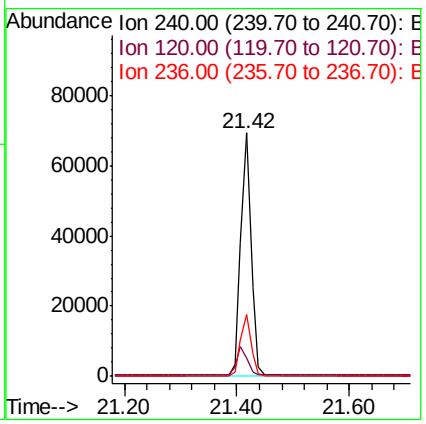


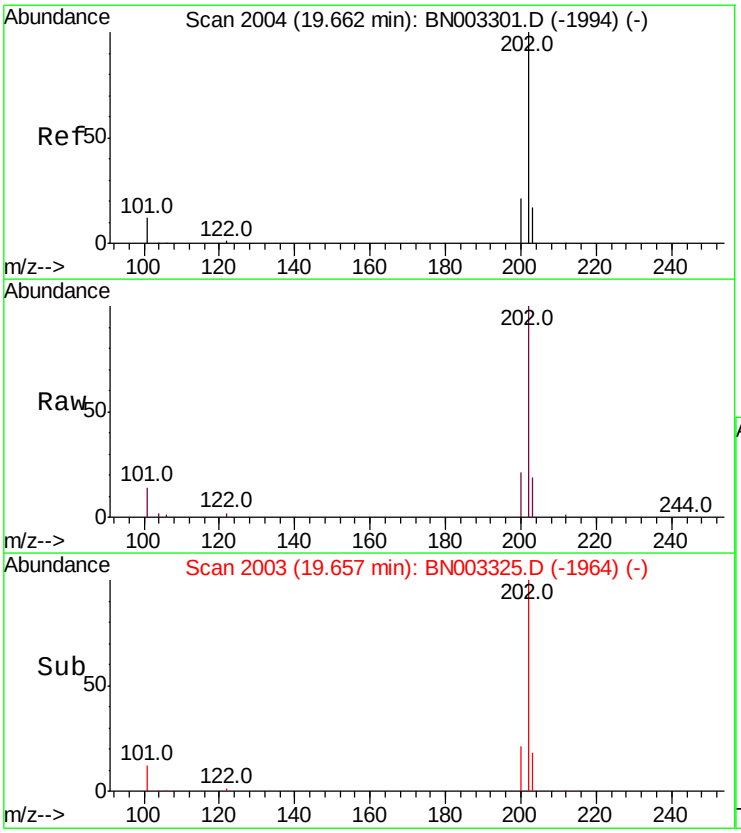
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:240 Resp: 89803

Ion	Ratio	Lower	Upper
240	100		
120	7.6	9.3	13.9#
236	25.6	21.0	31.4

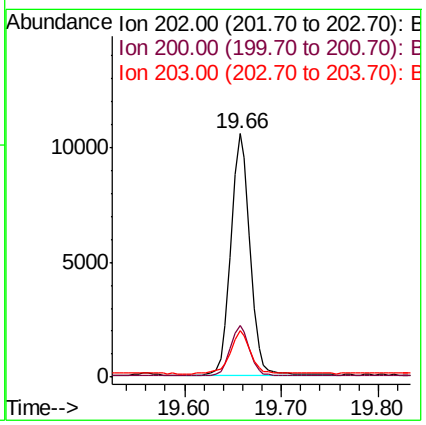


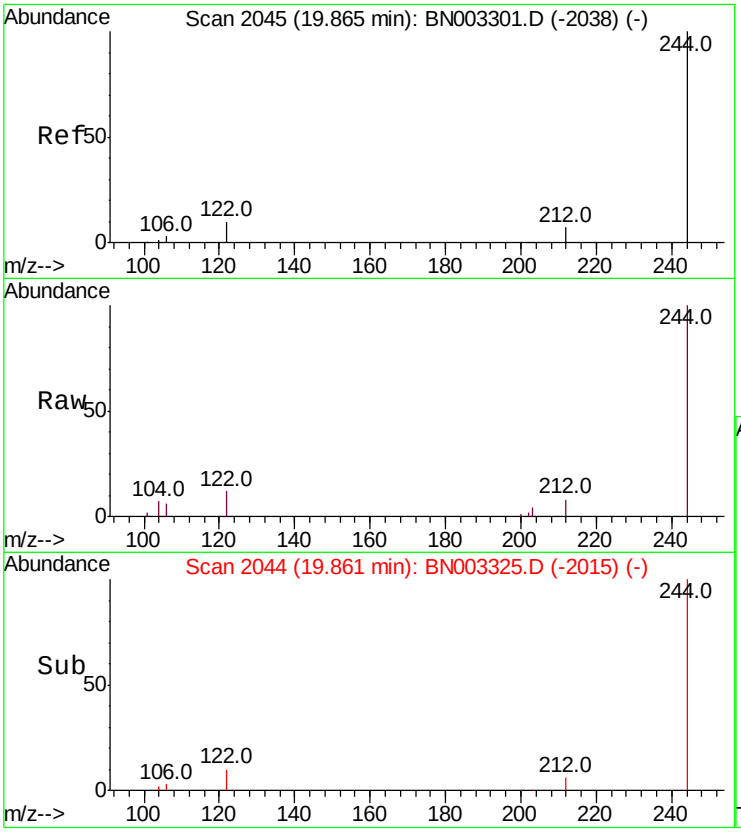


#28
Pyrene
Concen: 0.059 ng
RT: 19.66 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:202 Resp: 14553

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	18.6	13.9	20.9



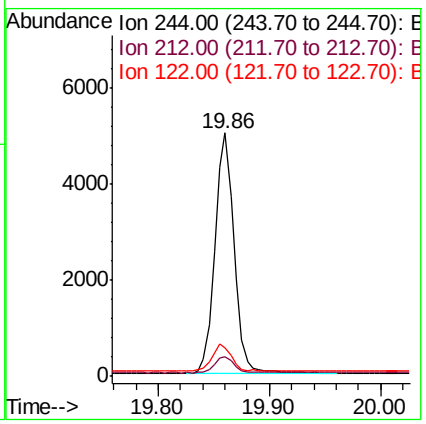


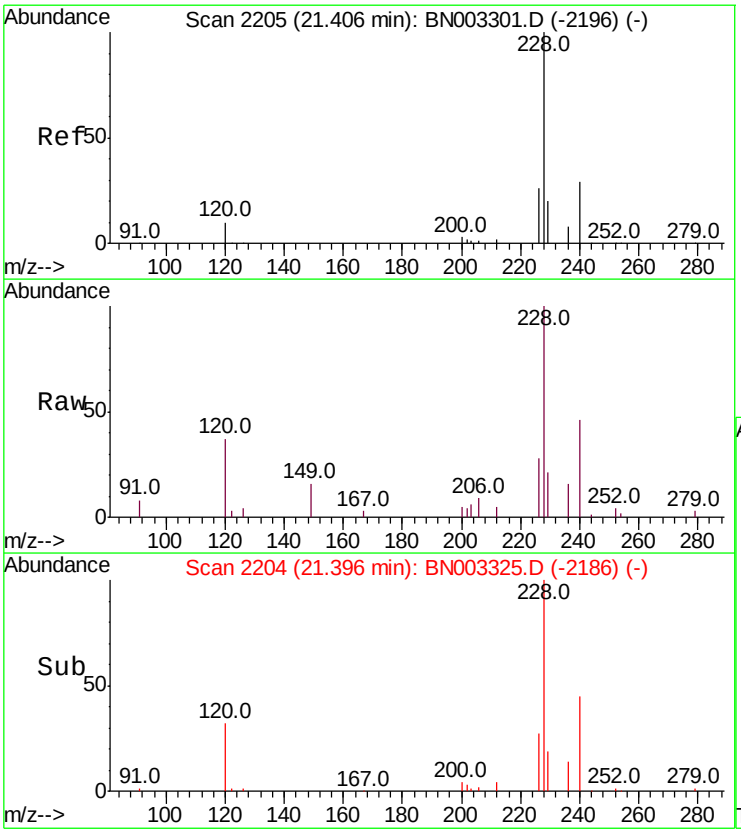
#29
Terphenyl-d14
Concen: 0.029 ng
RT: 19.86 min Scan# 2044
Delta R.T. -0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:244 Resp: 6011

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.6	8.4
122	11.8	8.5	12.7

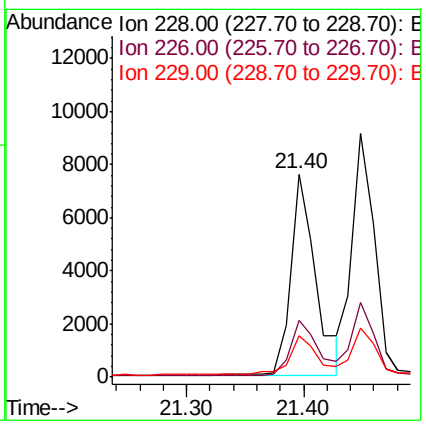


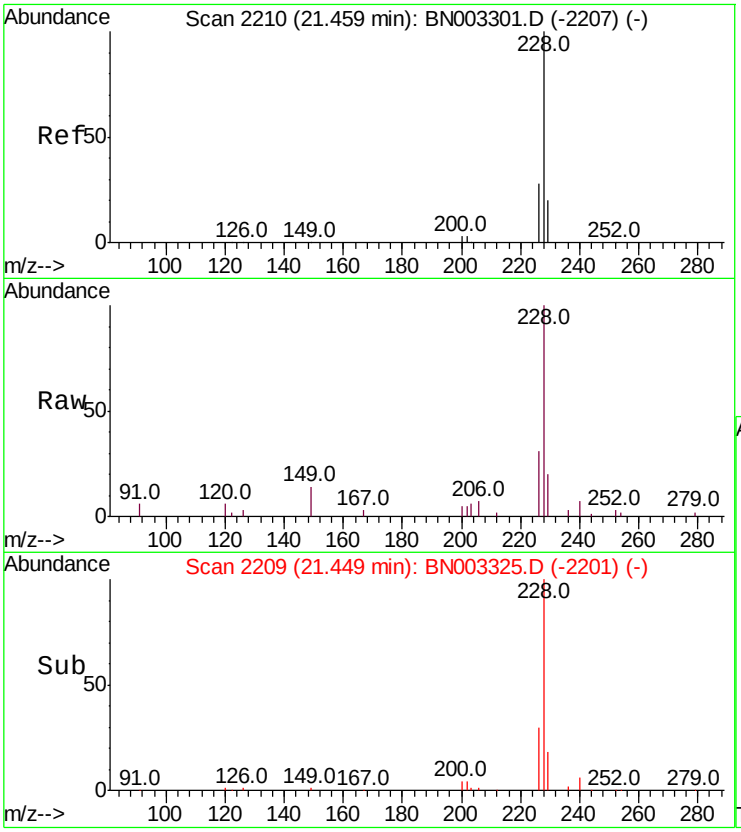


#30
Benzo(a)anthracene
Concen: 0.048 ng
RT: 21.40 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:228 Resp: 11288

Ion	Ratio	Lower	Upper
228	100		
226	28.2	20.8	31.2
229	20.6	16.1	24.1



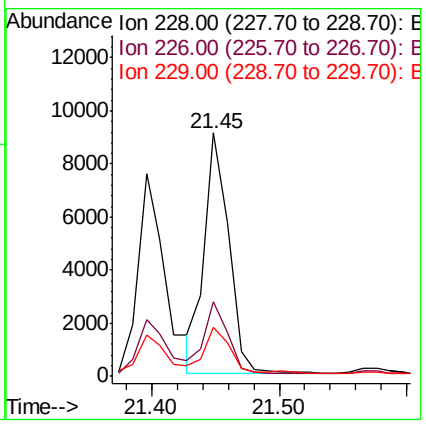


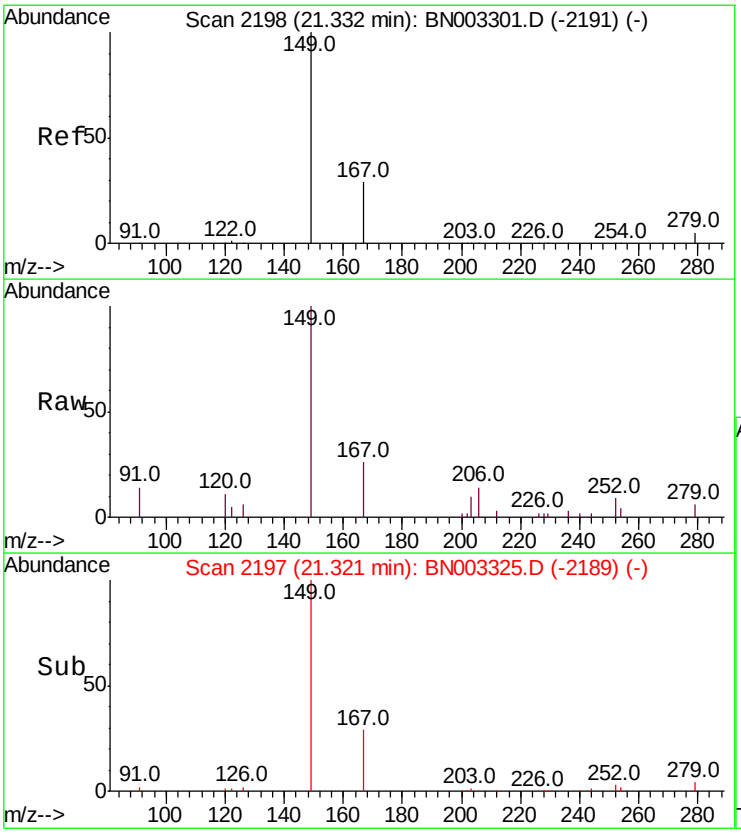
#31
Chrysene
Concen: 0.047 ng
RT: 21.45 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:228 Resp: 11976

Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.7	34.1
229	20.2	16.0	24.0

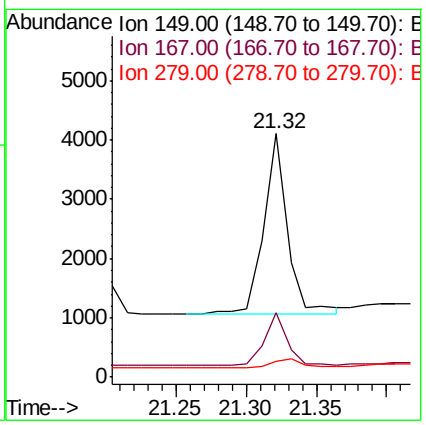


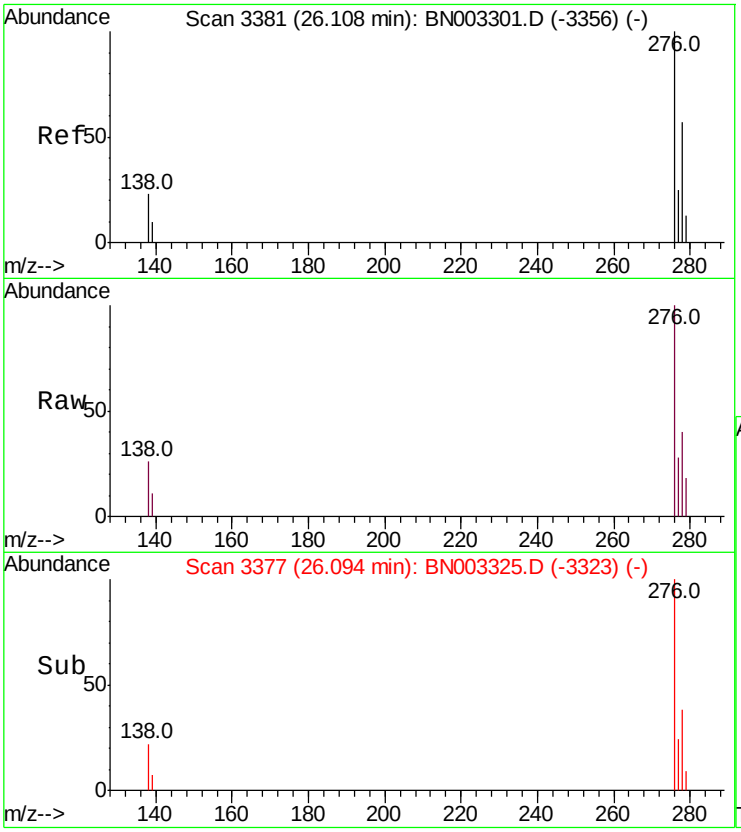


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.053 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:149 Resp: 3671

Ion	Ratio	Lower	Upper
149	100		
167	26.5	22.4	33.6
279	5.9	3.9	5.9#



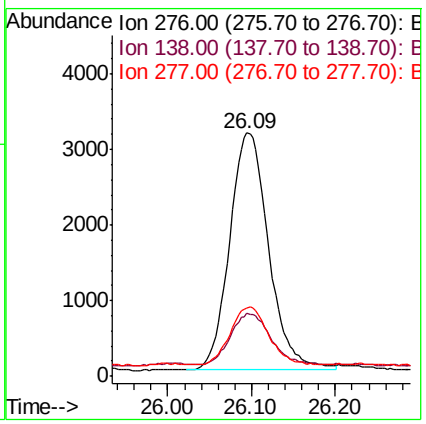


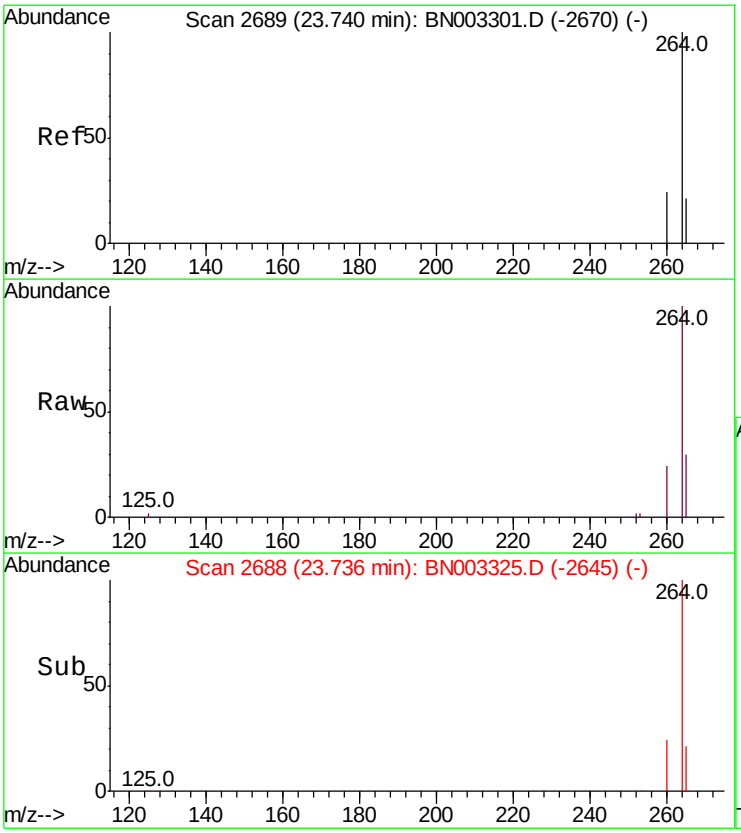
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.039 ng
RT: 26.09 min Scan# 3377
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:276 Resp: 10129

Ion	Ratio	Lower	Upper
276	100		
138	22.6	20.6	30.8
277	23.9	20.0	30.0

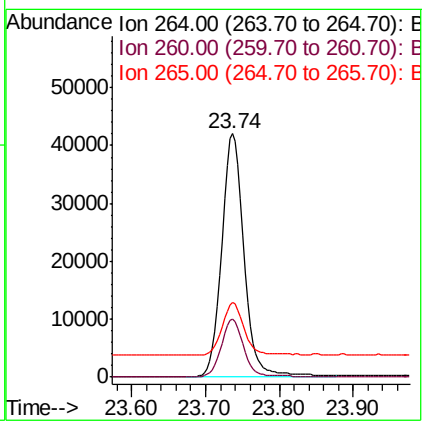


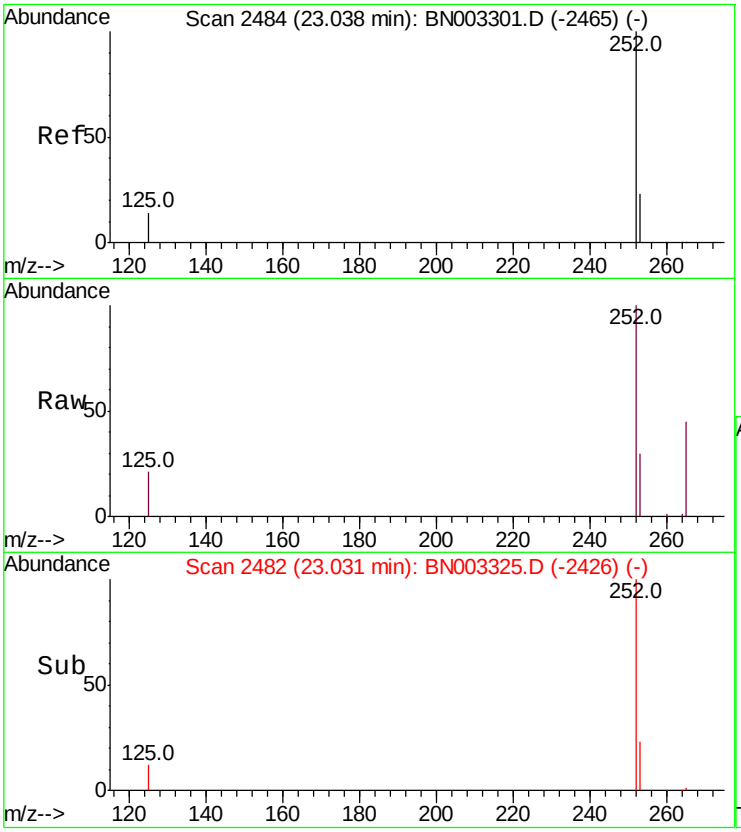


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.74 min Scan# 2688
Delta R.T. -0.00 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:264 Resp: 86867

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	30.4	26.4	39.6



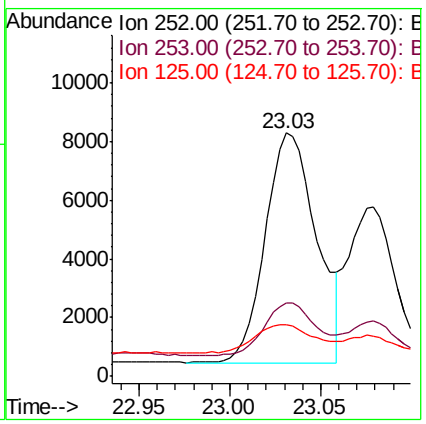


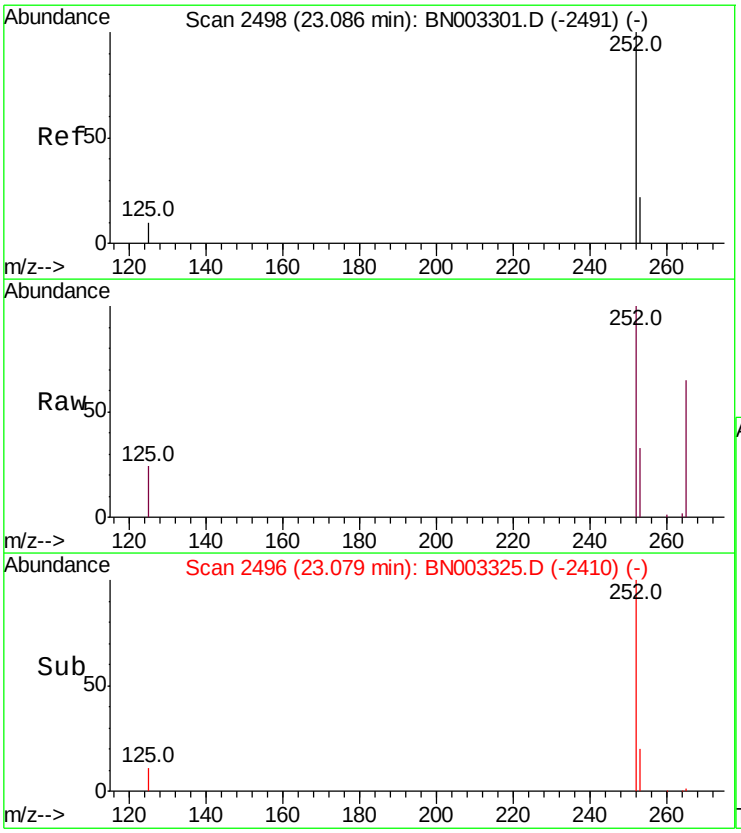
#35
Benzo(b)fluoranthene
Concen: 0.057 ng
RT: 23.03 min Scan# 2482
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:252 Resp: 15343

Ion	Ratio	Lower	Upper
252	100		
253	30.4	19.3	28.9#
125	21.4	12.7	19.1#

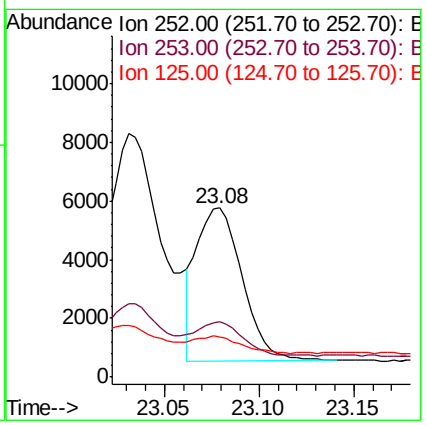


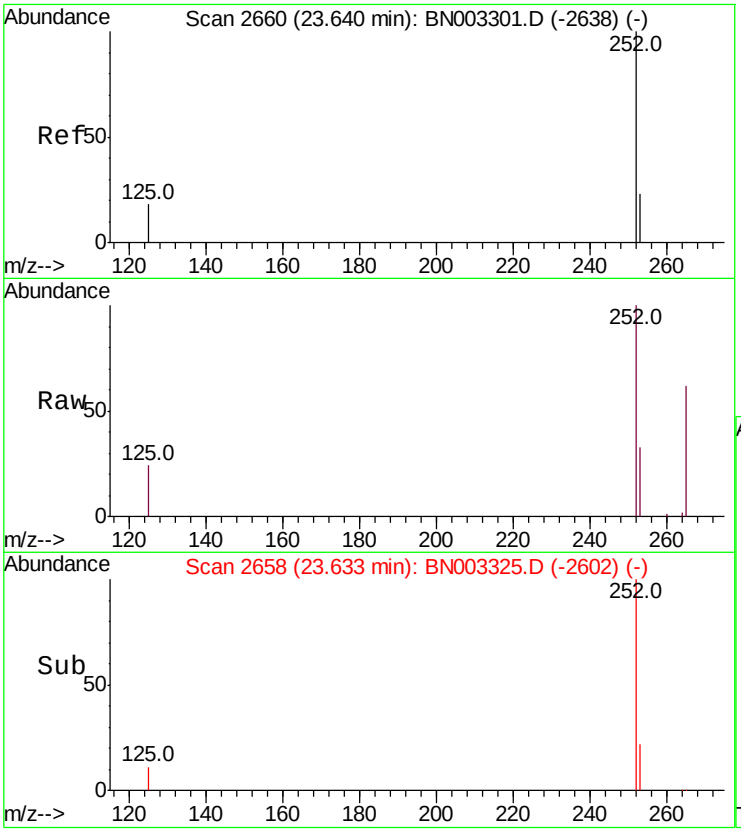


#36
Benzo(k)fluoranthene
Concen: 0.032 ng
RT: 23.08 min Scan# 2496
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:252 Resp: 8701

Ion	Ratio	Lower	Upper
252	100		
253	32.6	18.5	27.7#
125	23.9	9.1	13.7#



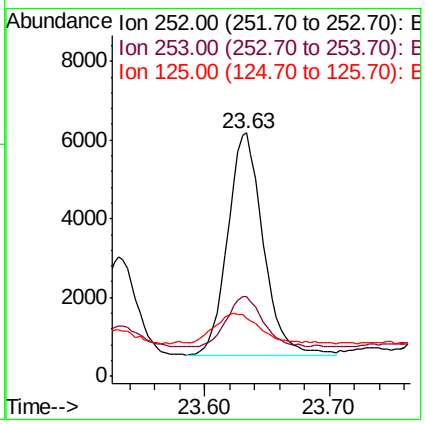


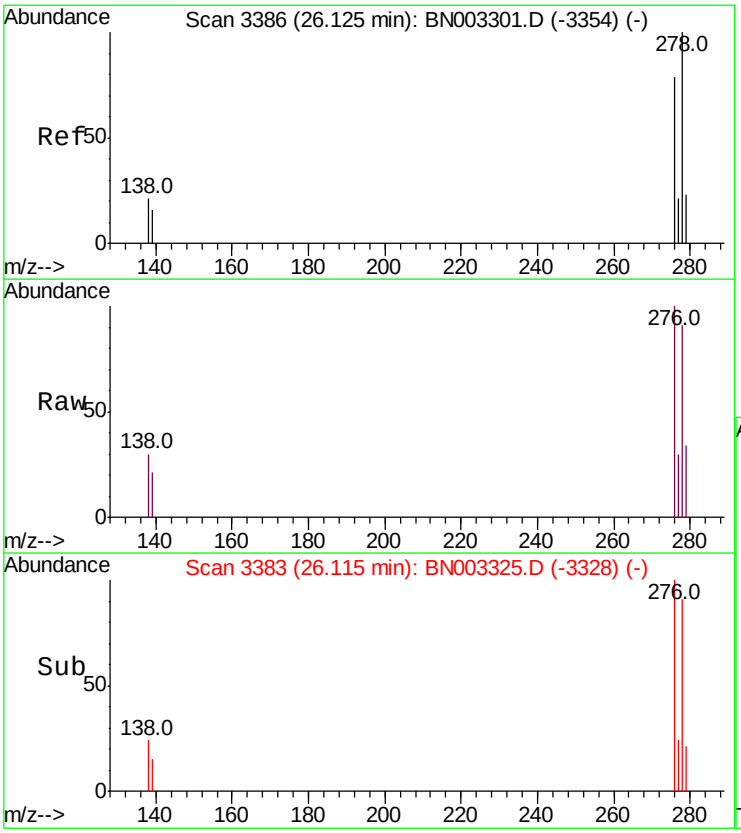
#37
Benzo(a)pyrene
Concen: 0.045 ng
RT: 23.63 min Scan# 2658
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:252 Resp: 11158

Ion	Ratio	Lower	Upper
252	100		
253	32.6	20.1	30.1#
125	23.9	16.0	24.0

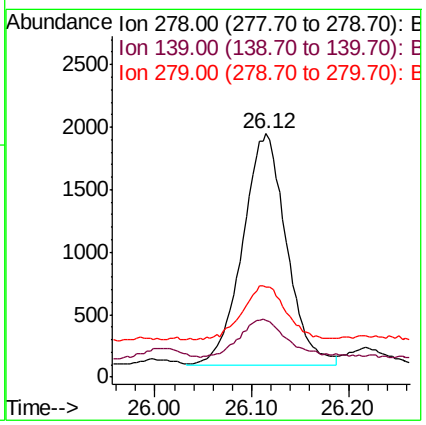


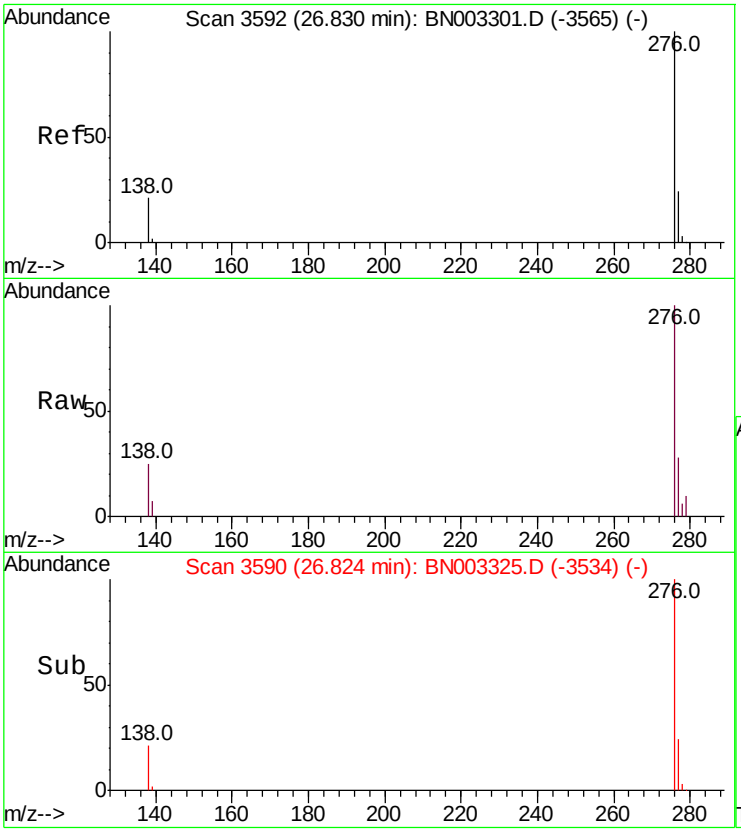


#38
Dibenzo(a,h)anthracene
Concen: 0.025 ng
RT: 26.12 min Scan# 3383
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Tgt Ion:278 Resp: 5786

Ion	Ratio	Lower	Upper
278	100		
139	23.4	13.5	20.3#
279	37.0	19.8	29.6#





#39
Benzo(g,h,i)perylene
Concen: 0.042 ng
RT: 26.82 min Scan# 3590
Delta R.T. -0.01 min
Lab File: BN003325.D
Acq: 27 Oct 2018 03:10

Instrument :
BNA_N
ClientSampleId :
AOC6-01A

Tgt Ion:276 Resp: 9669

Ion	Ratio	Lower	Upper
276	100		
277	28.5	19.5	29.3
138	24.9	17.4	26.2