Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\
Data File : BN007515.D
Acq On : 29 Aug 2019 22:53
Operator : HP/JU
Sample : K4524-03MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : TT-013-IDWSO-20190823MS

Quant Time: Aug 30 02:01:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 12:18:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	4967	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	22816	0.40	ng		-0.01
13) Acenaphthene-d10	14.04	164	14983	0.40	ng		-0.01
19) Phenanthrene-d10	16.79	188	38357	0.40	ng		-0.01
27) Chrysene-d12	21.02	240	40882	0.40	ng		0.00
34) Perylene-d12	23.11	264	38015	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.03	112	6556	0.38	ng		0.00
5) Phenol-d6	6.59	99	9363	0.43	ng		0.00
8) Nitrobenzene-d5	8.53	82	5921	0.30	ng		0.00
11) 2-Methylnaphthalene-d10	11.75	152	12950	0.34	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	5487	0.70	ng		-0.01
15) 2-Fluorobiphenyl	12.66	172	16432	0.27	ng		0.00
25) Fluoranthene-d10	18.84	212	32265	0.26	ng		0.00
29) Terphenyl-d14	19.46	244	48440	0.45	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.00	88	1899	0.230	ng	#	86
3) n-Nitrosodimethylamine	3.31	42	988	0.258	ng	#	62
6) bis(2-Chloroethyl)ether	6.83	93	5711	0.318	ng		97
9) Naphthalene	10.20	128	20748	0.318	ng	#	90
10) Hexachlorobutadiene	10.51	225	3571	0.267	ng	#	100
12) 2-Methylnaphthalene	11.83	142	15414	0.347	ng		95
16) Acenaphthylene	13.75	152	26275	0.296	ng		99
17) Acenaphthene	14.11	154	16154	0.311	ng		98
18) Fluorene	15.10	166	22037	0.336	ng		99
20) 4-Bromophenyl-phenylether	16.01	248	1676	0.111	ng	#	85
21) Hexachlorobenzene	16.11	284	7850	0.305	ng		96
22) Pentachlorophenol	16.46	266	1558	0.195	ng	#	63
23) Phenanthrene	16.83	178	39733	0.344	ng		99
24) Anthracene	16.93	178	36985	0.319	ng		99
26) Fluoranthene	18.87	202	50734	0.342	ng		99
28) Pyrene	19.23	202	52476	0.319	ng		99
30) Benzo(a)anthracene	21.00	228	50811	0.316	ng		99
31) Chrysene	21.05	228	48421	0.312	ng		99
32) Bis(2-ethylhexyl)phthalate	20.96	149	40325	0.369	ng		99
33) Indeno(1,2,3-cd)pyrene	25.18	276	43592	0.234	ng		98
35) Benzo(b)fluoranthene	22.50	252	46054	0.334	ng		98
36) Benzo(k)fluoranthene	22.54	252	47577	0.349	ng		99
37) Benzo(a)pyrene	23.02	252	42293	0.323	ng		97
38) Dibenzo(a,h)anthracene	25.19	278	35819	0.274	ng		99
39) Benzo(g,h,i)perylene	25.80	276	35929	0.276	ng		99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\
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Acq On : 29 Aug 2019 22:53
Operator : HP/JU
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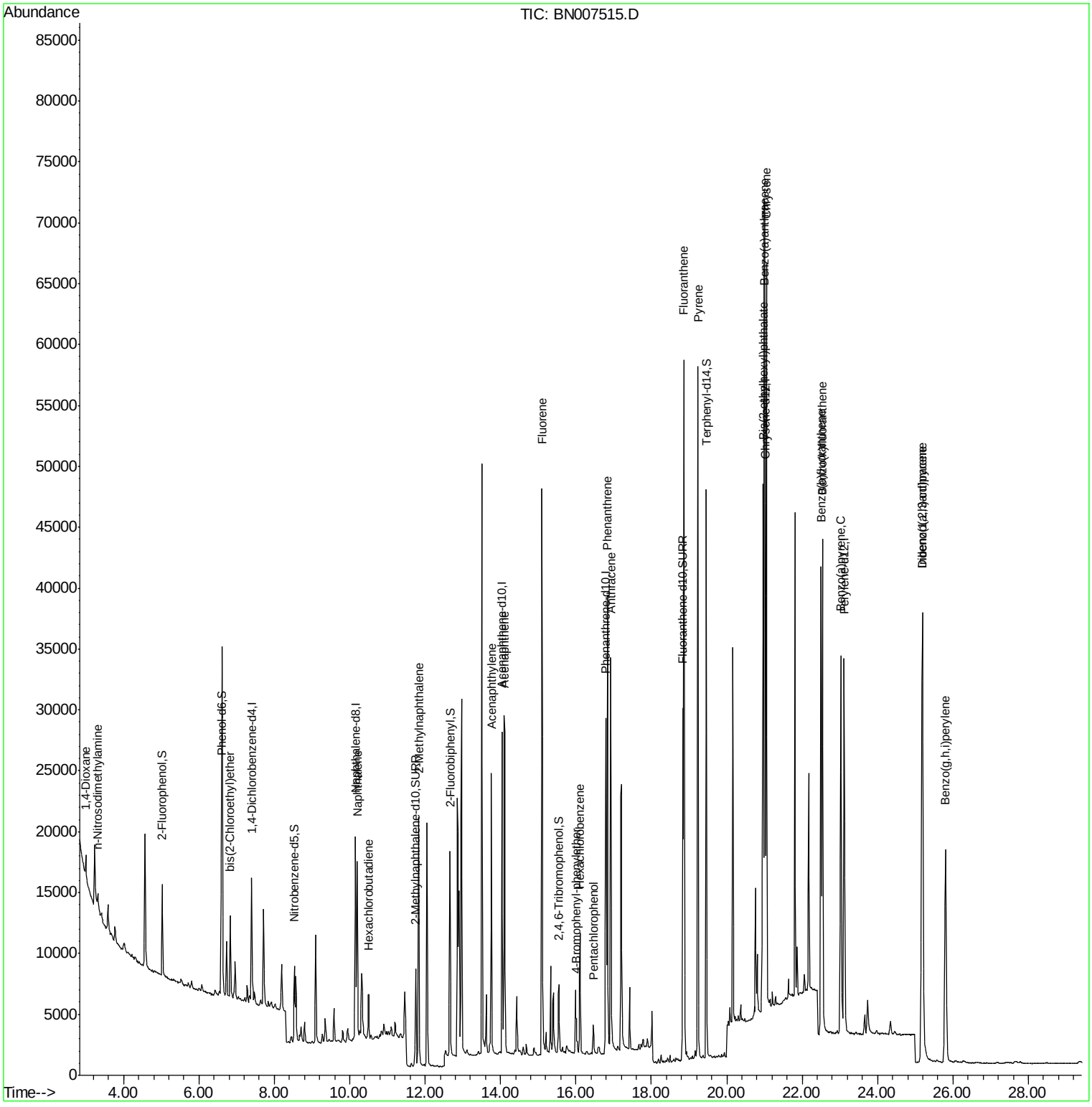
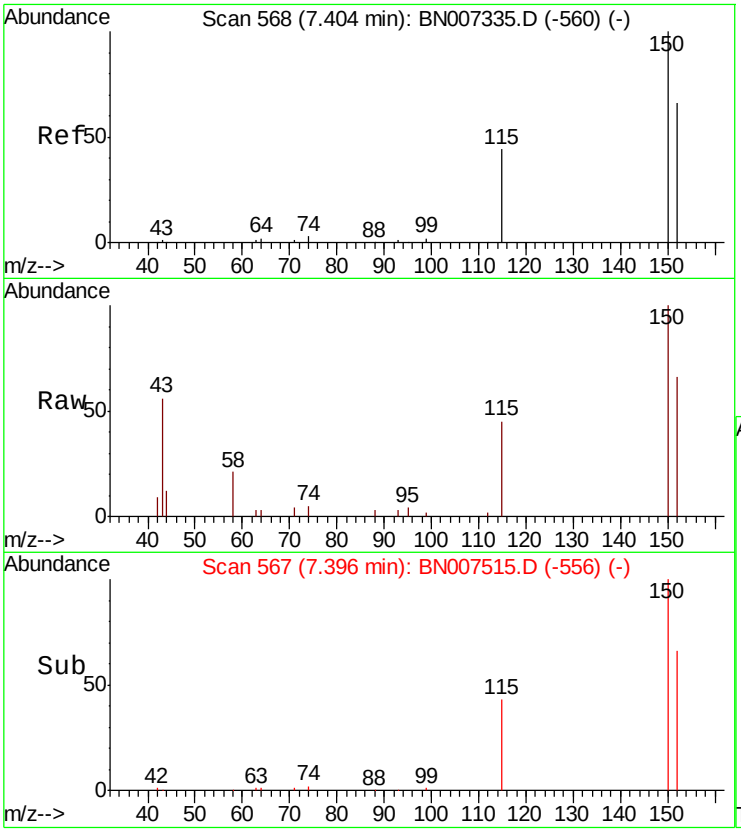
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Quant Time: Aug 30 02:01:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 12:18:45 2019
Response via : Initial Calibration



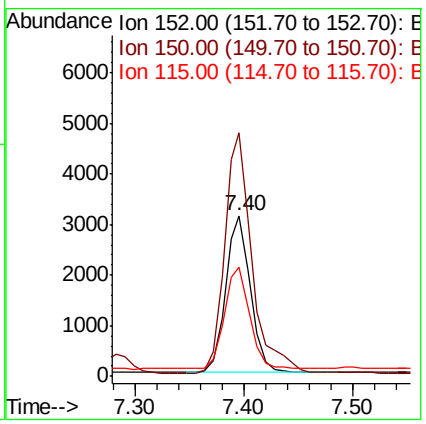


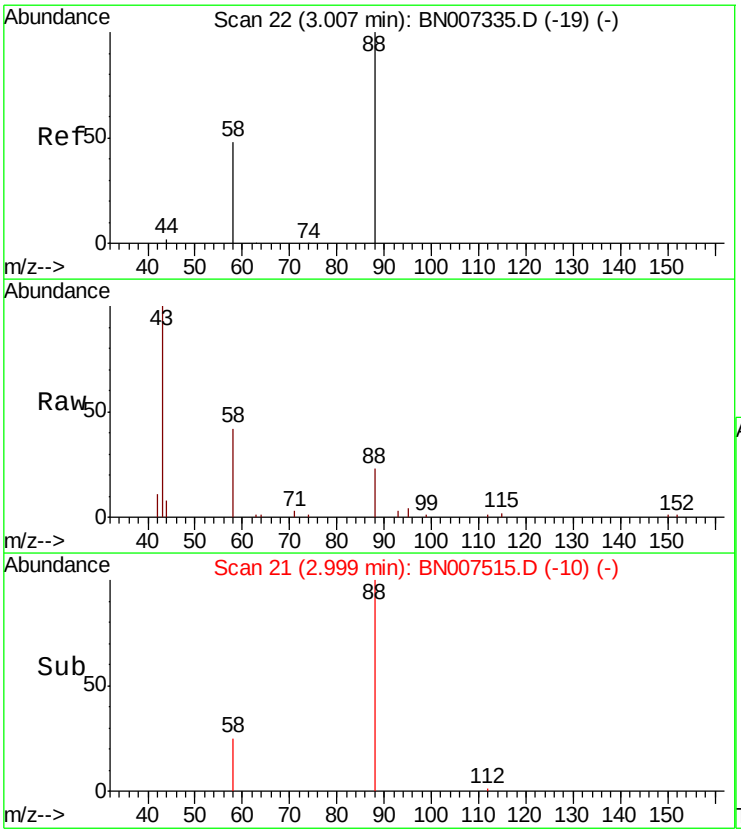
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:152 Resp: 4967

Ion	Ratio	Lower	Upper
152	100		
150	151.5	109.1	163.7
115	67.8	59.6	89.4

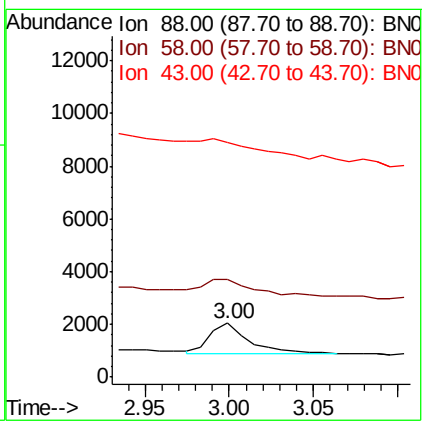


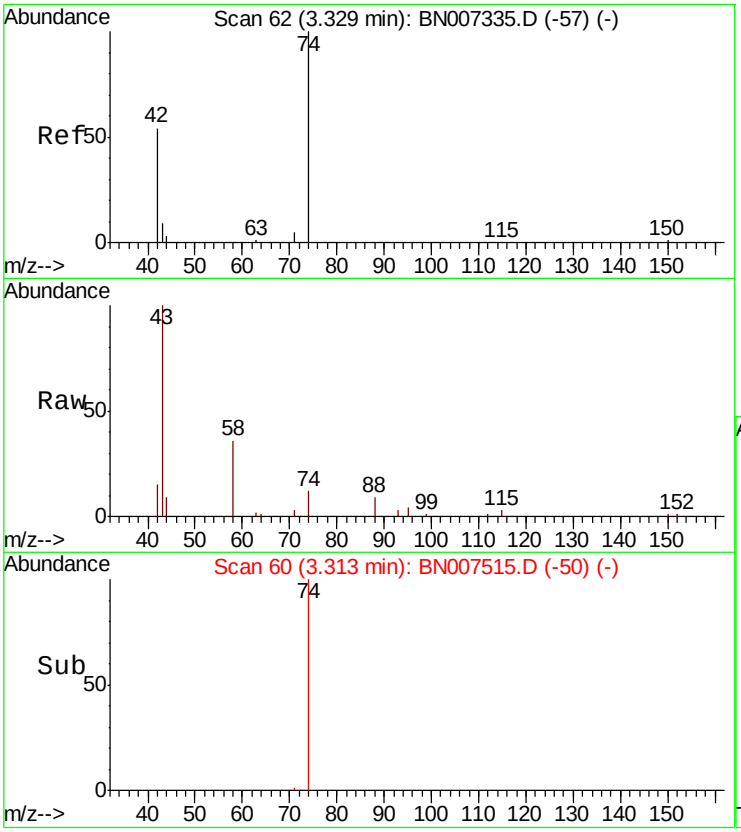


#2
1,4-Dioxane
Concen: 0.230 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion: 88 Resp: 1899

Ion	Ratio	Lower	Upper
88	100		
58	74.3	50.5	75.7
43	0.0	0.0	0.0



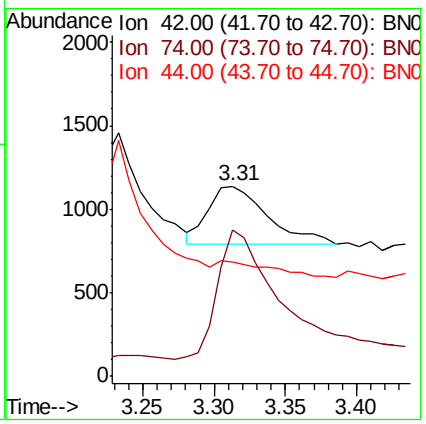


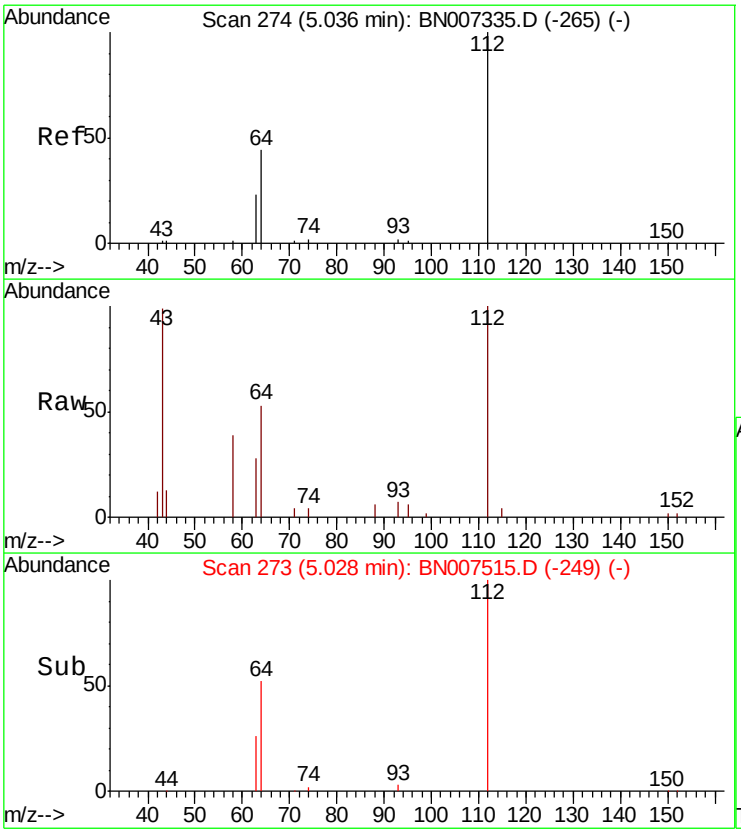
#3
n-Nitrosodimethylamine
Concen: 0.258 ng
RT: 3.31 min Scan# 60
Delta R.T. -0.02 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion: 42 Resp: 988

Ion	Ratio	Lower	Upper
42	100		
74	236.3	144.7	217.1#
44	0.0	3.2	4.8#

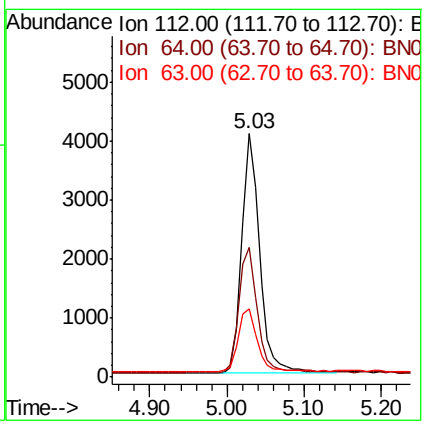


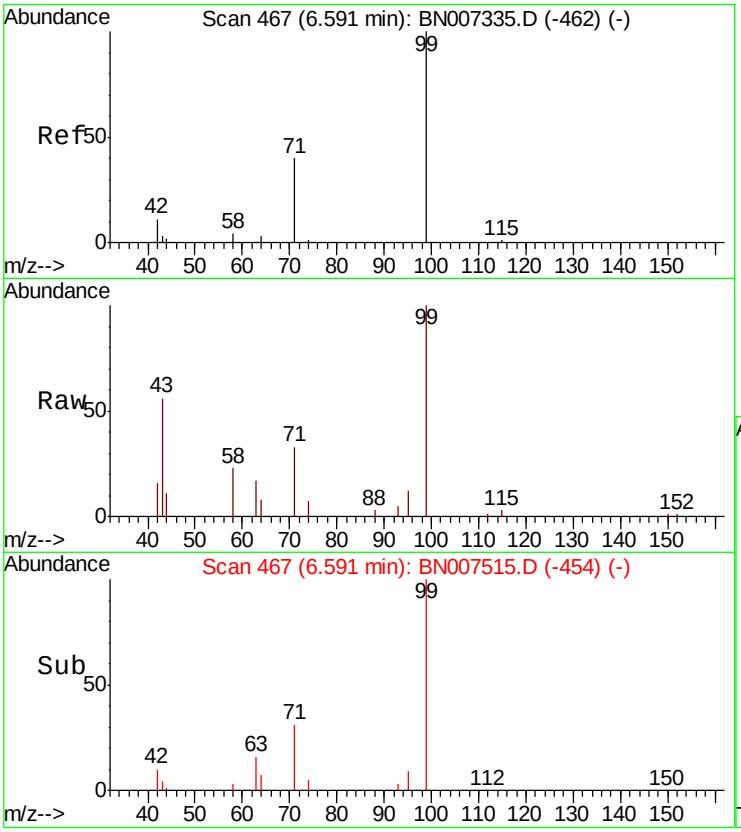


#4
2-Fluorophenol
Concen: 0.379 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:112 Resp: 6556

Ion	Ratio	Lower	Upper
112	100		
64	53.9	42.3	63.5
63	28.2	23.6	35.4



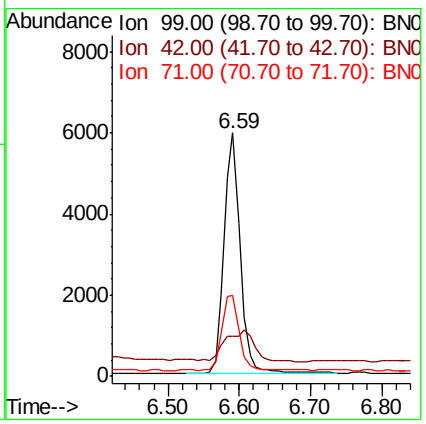


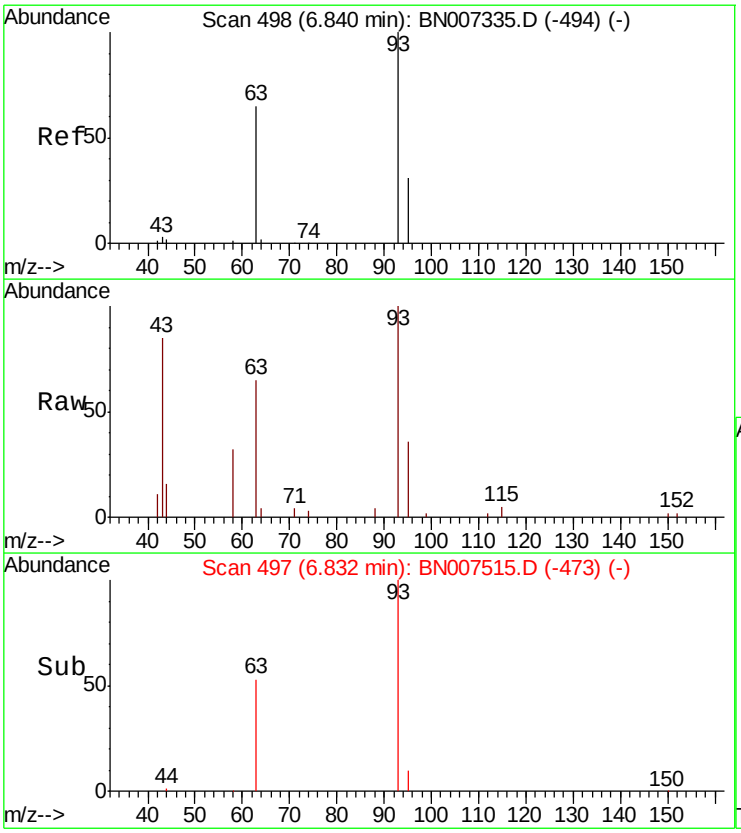
#5
Phenol-d6
Concen: 0.429 ng
RT: 6.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion: 99 Resp: 9363

Ion	Ratio	Lower	Upper
99	100		
42	22.0	11.2	16.8#
71	33.1	31.8	47.8

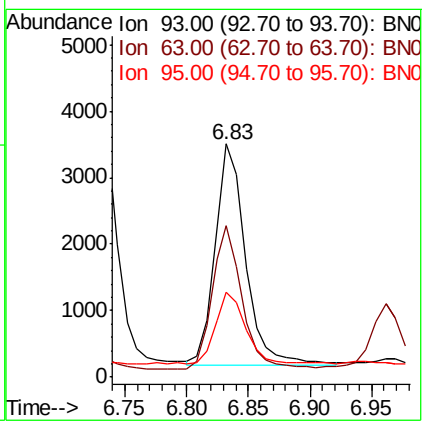


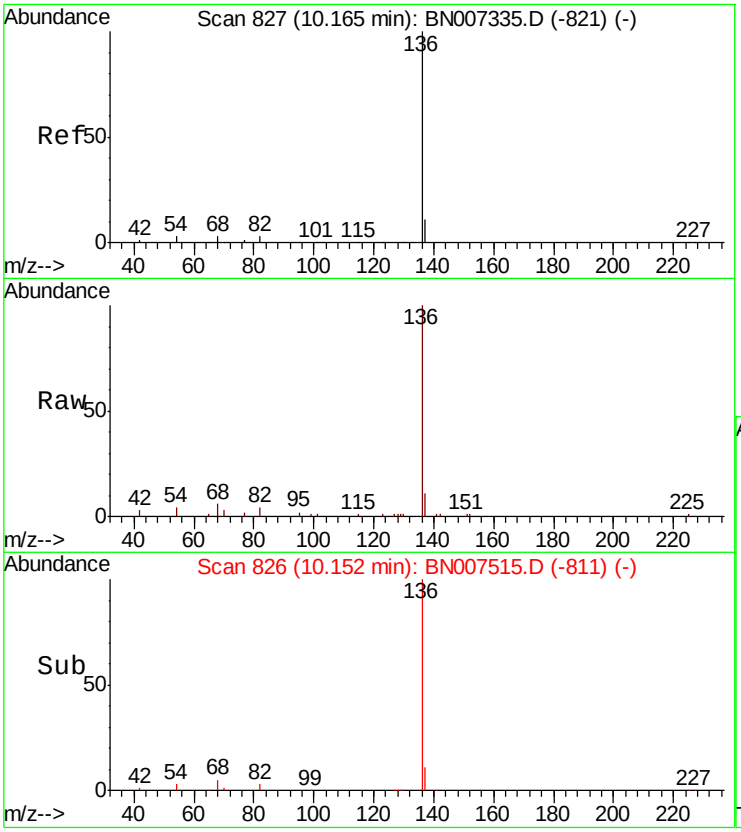


#6
bis(2-Chloroethyl)ether
Concen: 0.318 ng
RT: 6.83 min Scan# 497
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion: 93 Resp: 5711

Ion	Ratio	Lower	Upper
93	100		
63	63.3	51.9	77.9
95	31.6	27.7	41.5



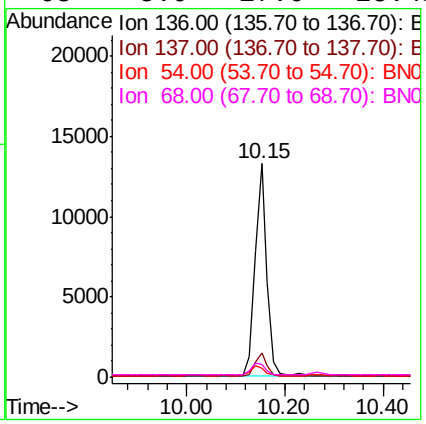


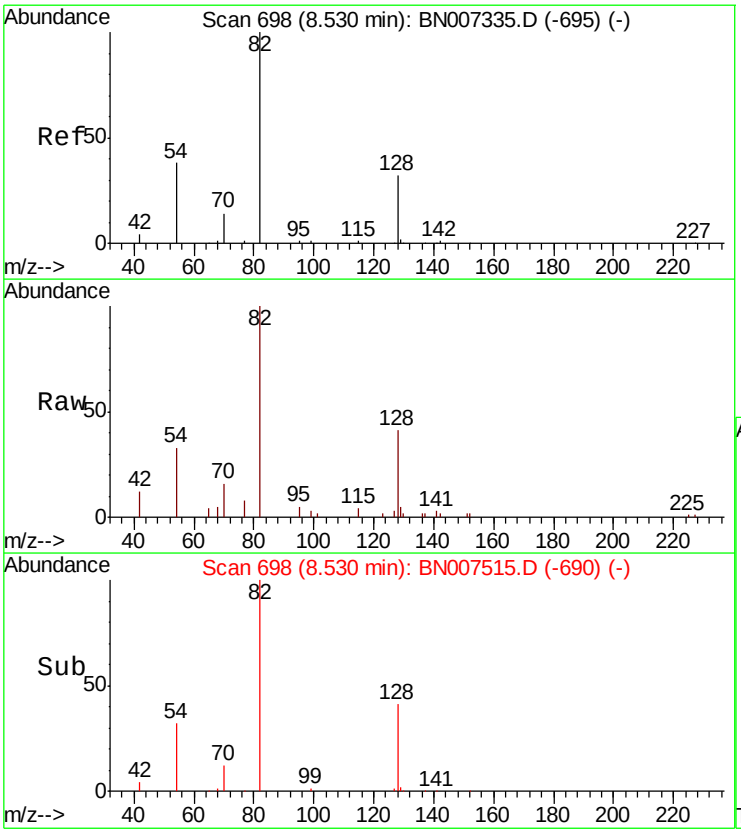
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:136 Resp: 22816

Ion	Ratio	Lower	Upper
136	100		
137	11.2	12.9	19.3#
54	4.3	8.6	12.8#
68	5.9	17.0	25.4#

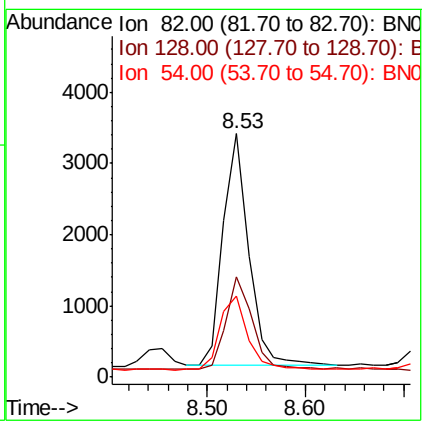


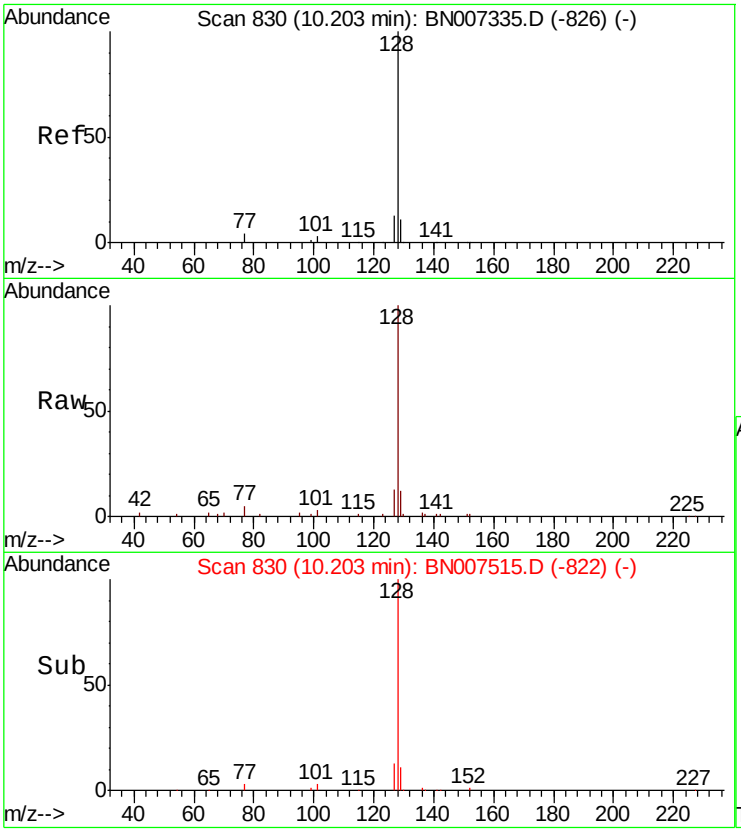


#8
Nitrobenzene-d5
Concen: 0.298 ng
RT: 8.53 min Scan# 698
Delta R.T. 0.00 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion: 82 Resp: 5921

Ion	Ratio	Lower	Upper
82	100		
128	41.3	19.7	29.5#
54	33.3	25.8	38.6



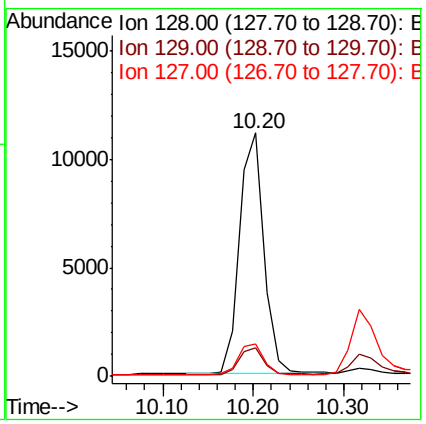


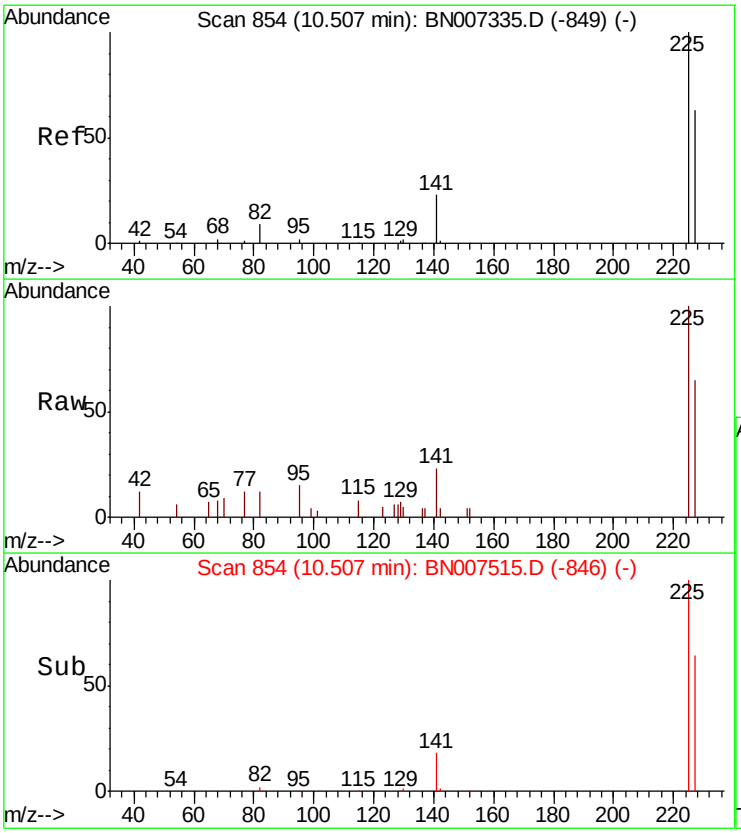
#9
Naphthalene
Concen: 0.318 ng
RT: 10.20 min Scan# 830
Delta R.T. 0.00 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:128 Resp: 20748

Ion	Ratio	Lower	Upper
128	100		
129	11.8	11.1	16.7
127	13.4	15.5	23.3#

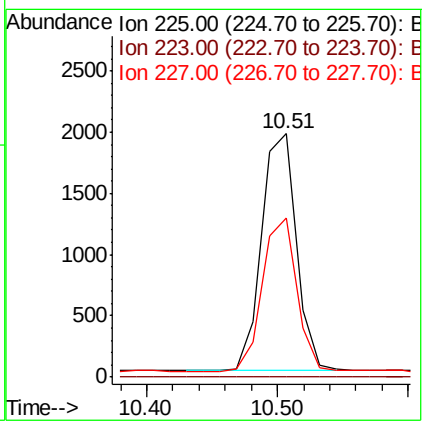


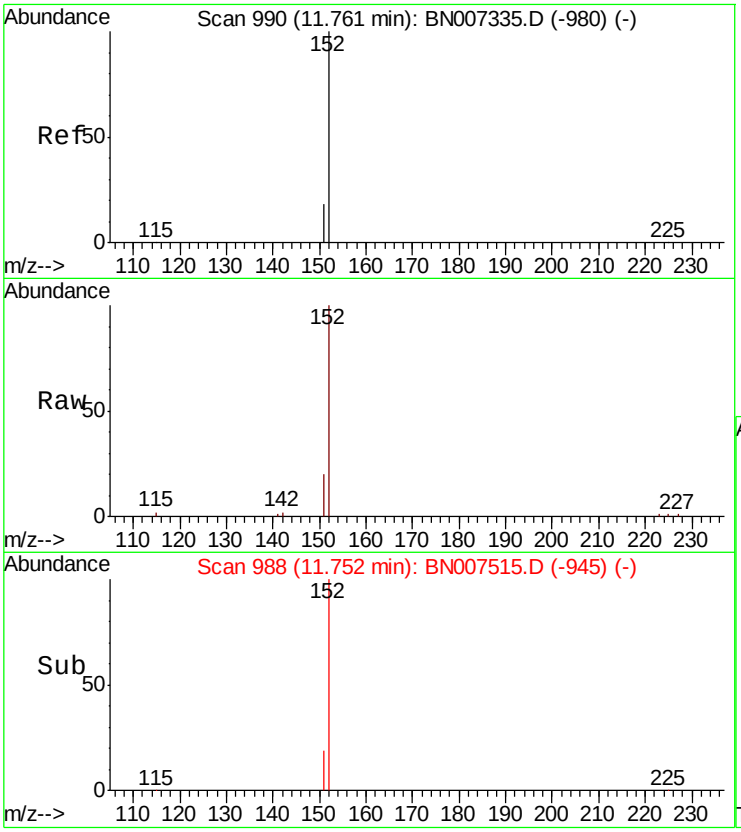


#10
Hexachlorobutadiene
Concen: 0.267 ng
RT: 10.51 min Scan# 854
Delta R.T. 0.00 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:225 Resp: 3571

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	50.7	76.1



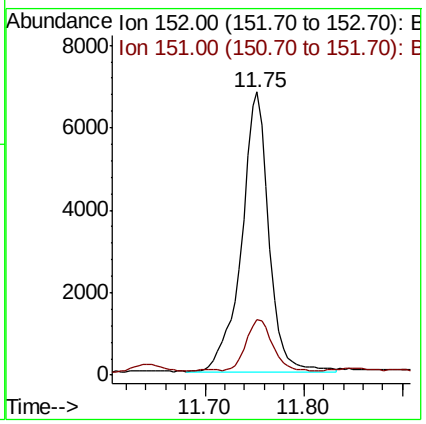


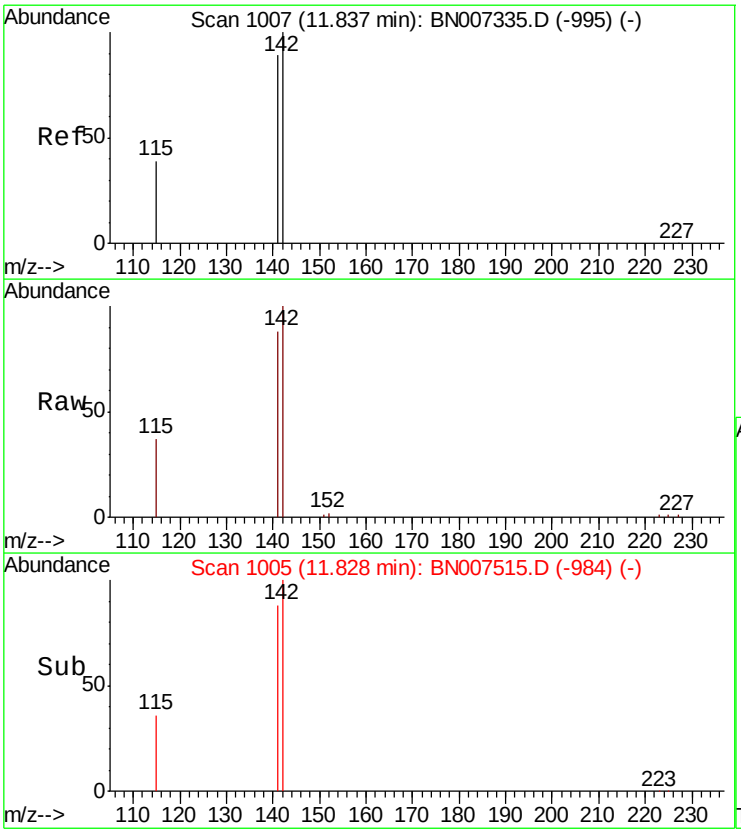
#11
2-Methylnaphthalene-d10
Concen: 0.342 ng
RT: 11.75 min Scan# 988
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:152 Resp: 12950

Ion	Ratio	Lower	Upper
152	100		
151	17.9	16.2	24.2

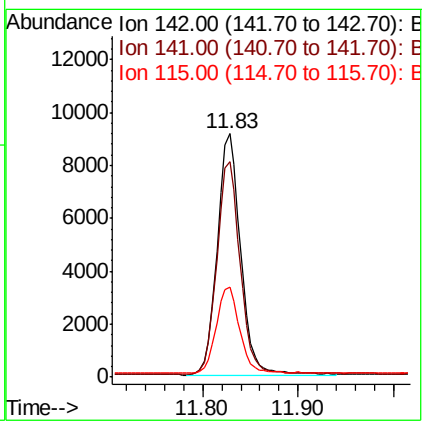


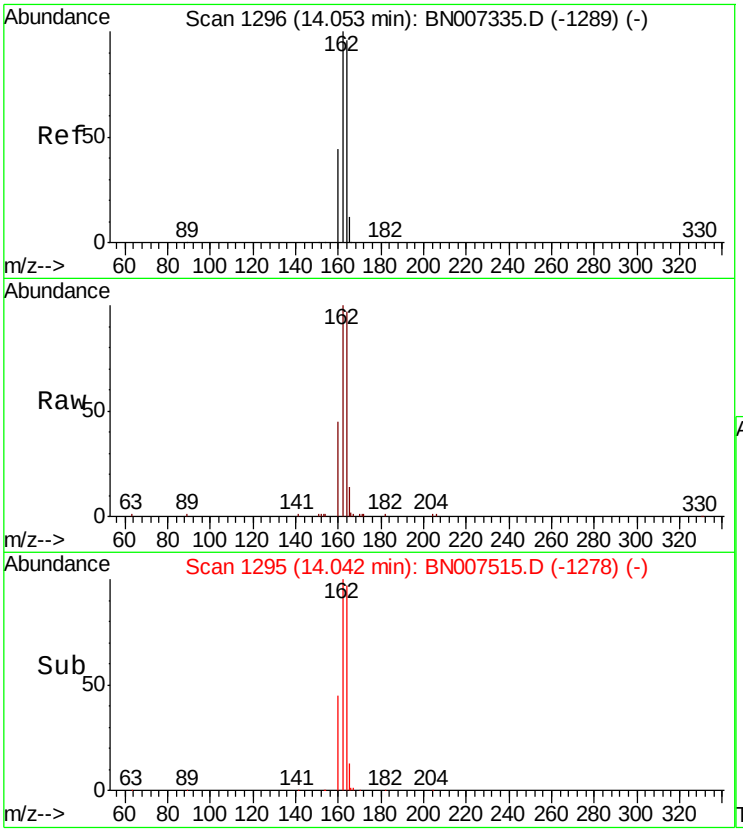


#12
2-Methylnaphthalene
Concen: 0.347 ng
RT: 11.83 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:142 Resp: 15414

Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.8	109.2
115	37.0	35.2	52.8



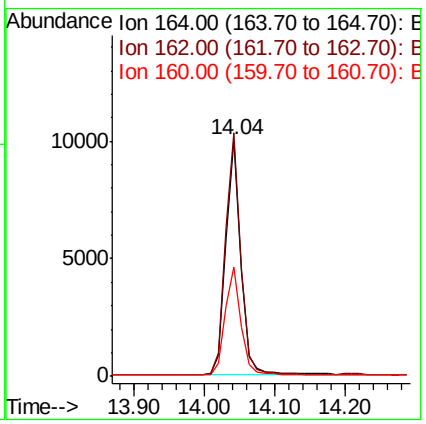


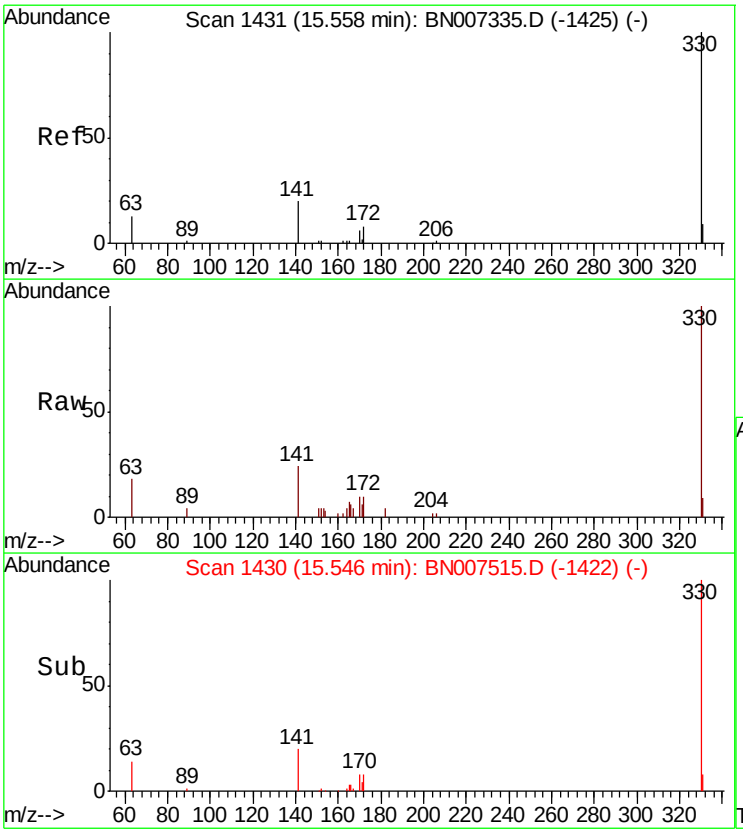
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:164 Resp: 14983

Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.5	125.3
160	46.4	38.2	57.4

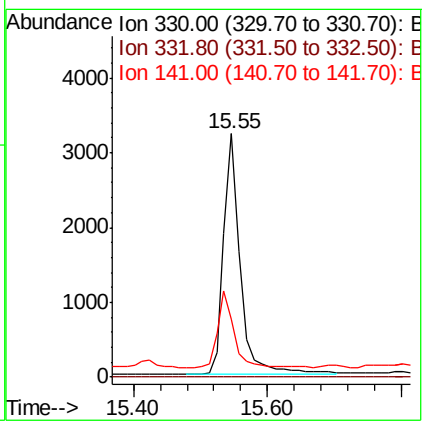


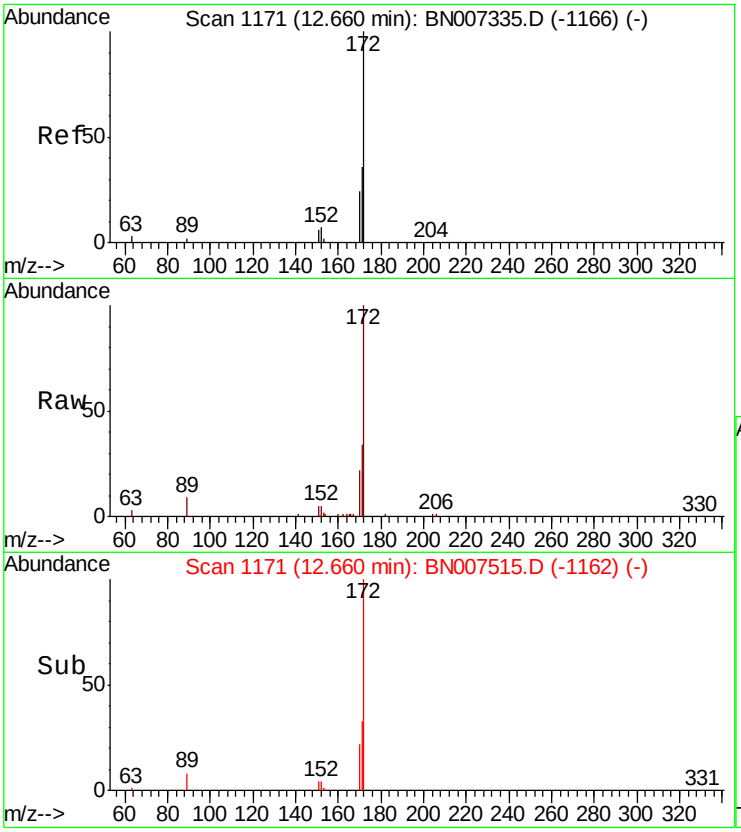


#14
2,4,6-Tribromophenol
Concen: 0.700 ng
RT: 15.55 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:330 Resp: 5487

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.2	26.9	40.3



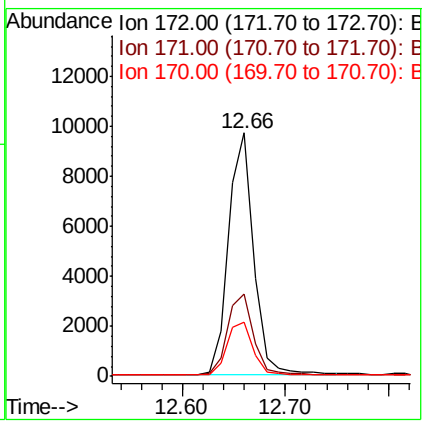


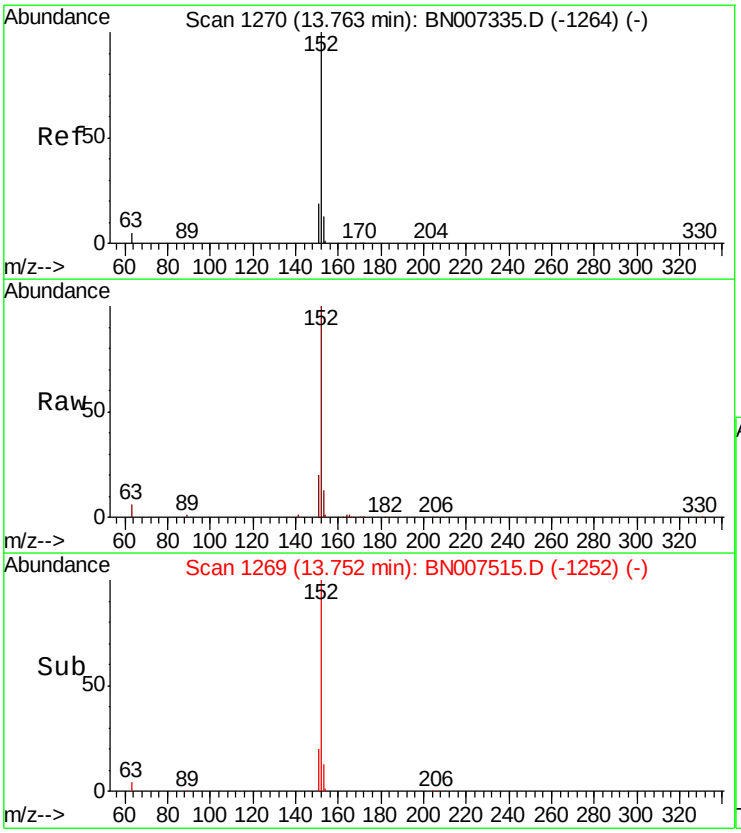
#15
2-Fluorobiphenyl
Concen: 0.272 ng
RT: 12.66 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:172 Resp: 16432

Ion	Ratio	Lower	Upper
172	100		
171	34.0	30.3	45.5
170	22.1	20.7	31.1

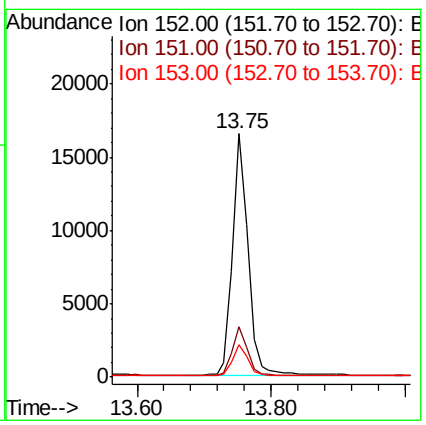


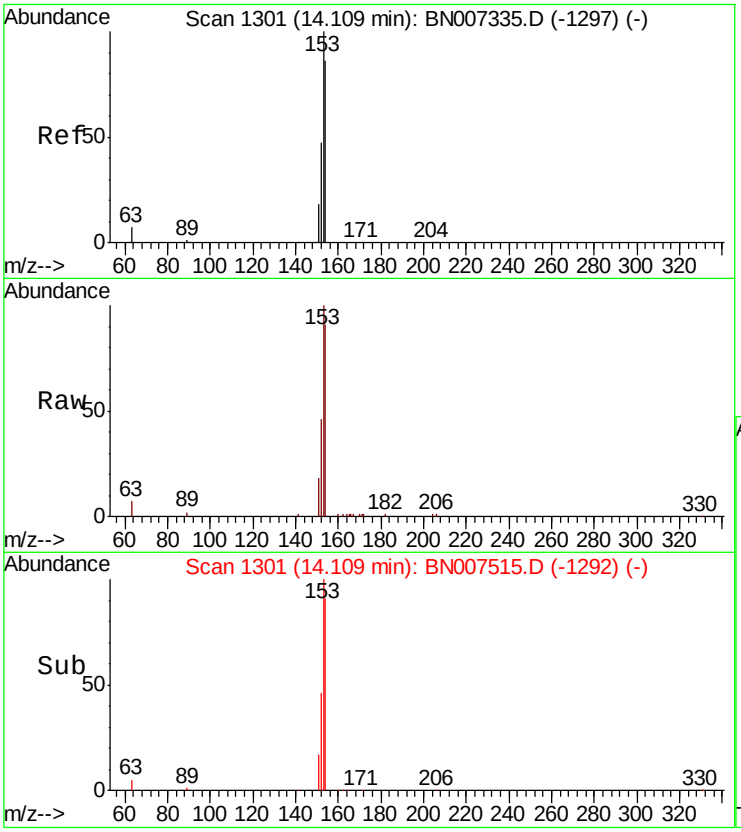


#16
Acenaphthylene
Concen: 0.296 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:152 Resp: 26275

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	12.9	10.6	15.8



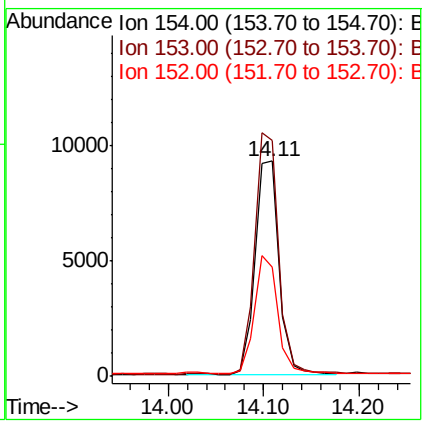


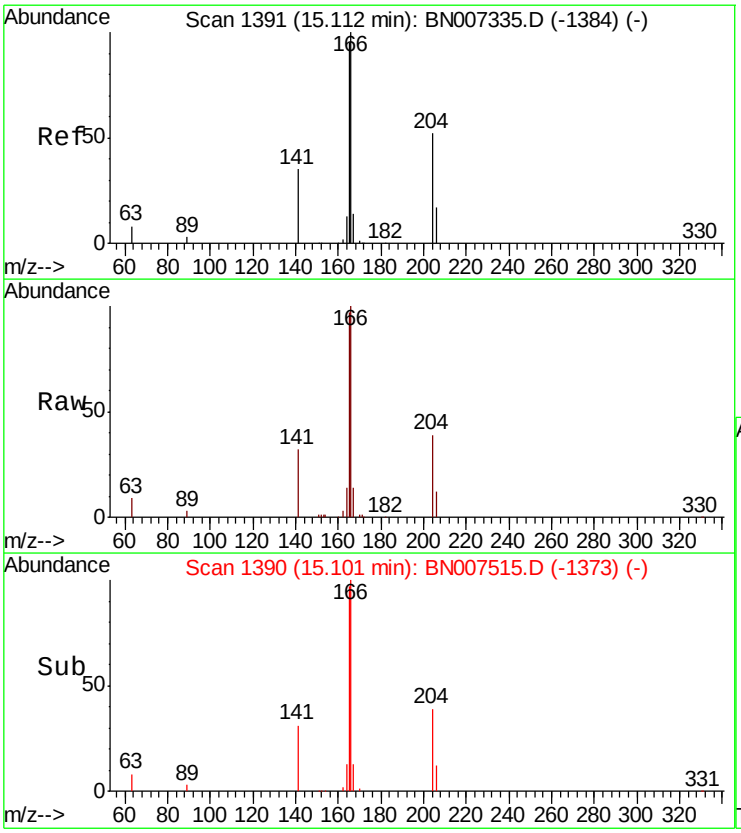
#17
Acenaphthene
Concen: 0.311 ng
RT: 14.11 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:154 Resp: 16154

Ion	Ratio	Lower	Upper
154	100		
153	113.1	92.8	139.2
152	54.1	43.8	65.8

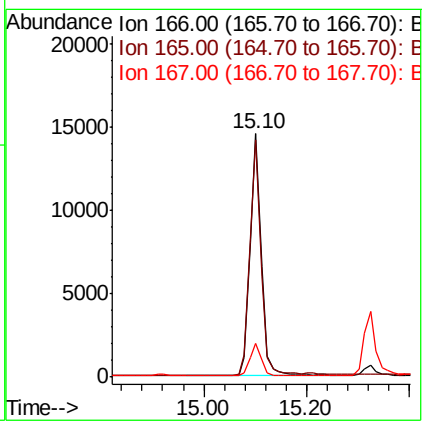


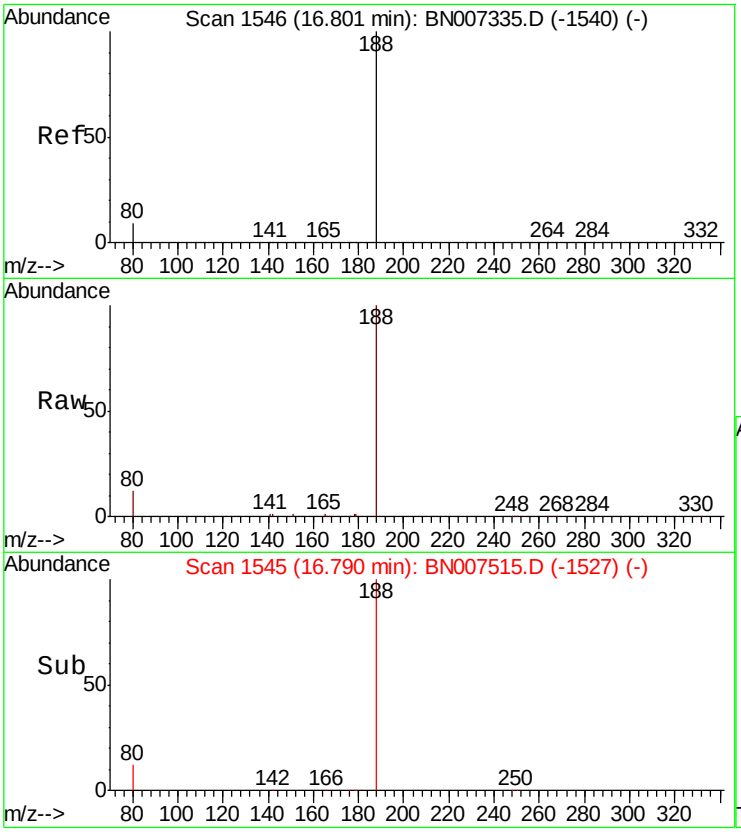


#18
Fluorene
Concen: 0.336 ng
RT: 15.10 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:166 Resp: 22037

Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.0	118.4
167	13.5	10.6	15.8



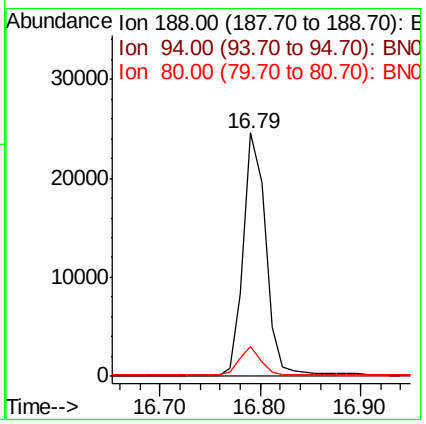


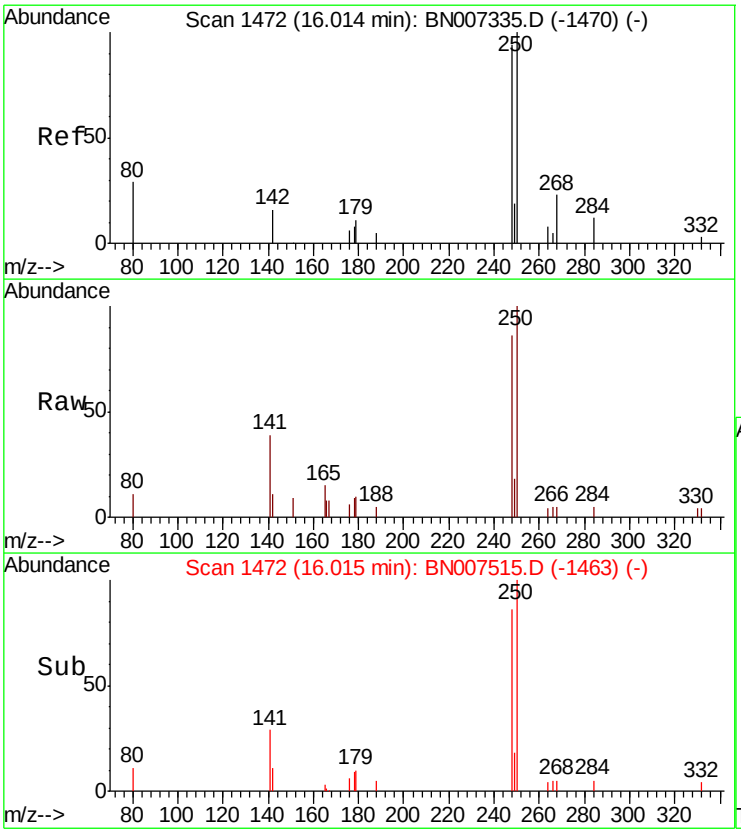
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:188 Resp: 38357

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.2	11.8	17.8

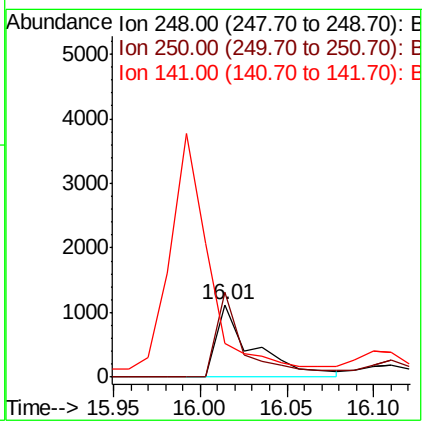


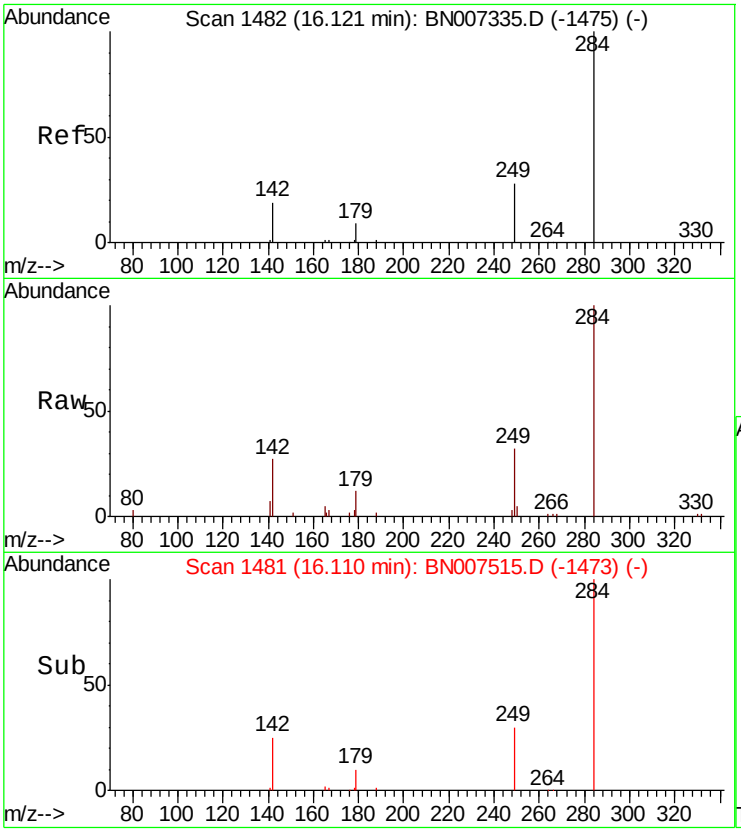


#20
4-Bromophenyl-phenylether
Concen: 0.111 ng
RT: 16.01 min Scan# 1472
Delta R.T. 0.00 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:248 Resp: 1676

Ion	Ratio	Lower	Upper
248	100		
250	116.1	85.0	127.6
141	45.6	51.7	77.5#



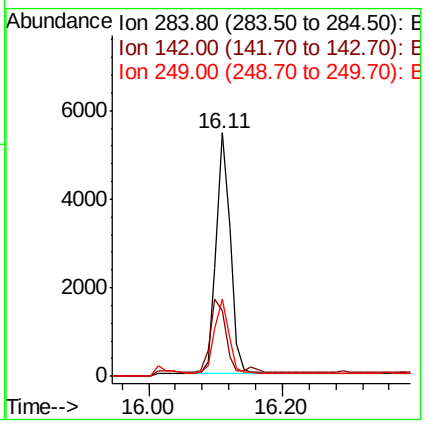


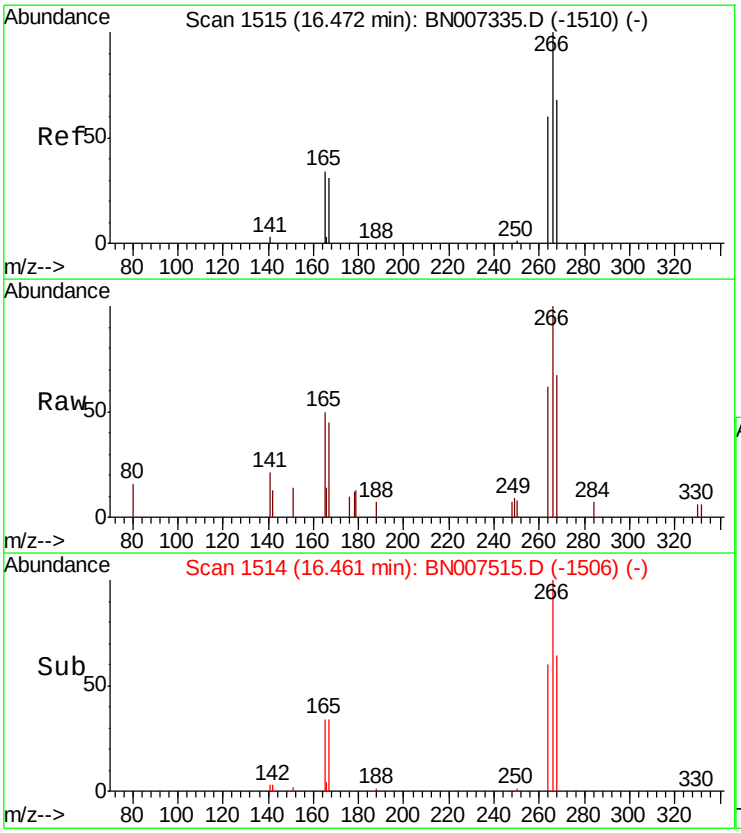
#21
Hexachlorobenzene
Concen: 0.305 ng
RT: 16.11 min Scan# 1481
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:284 Resp: 7850

Ion	Ratio	Lower	Upper
284	100		
142	32.7	29.0	43.6
249	30.6	24.9	37.3

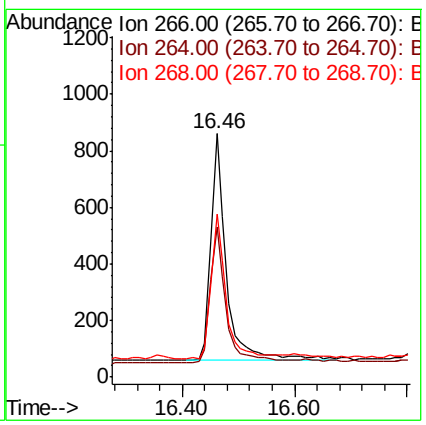


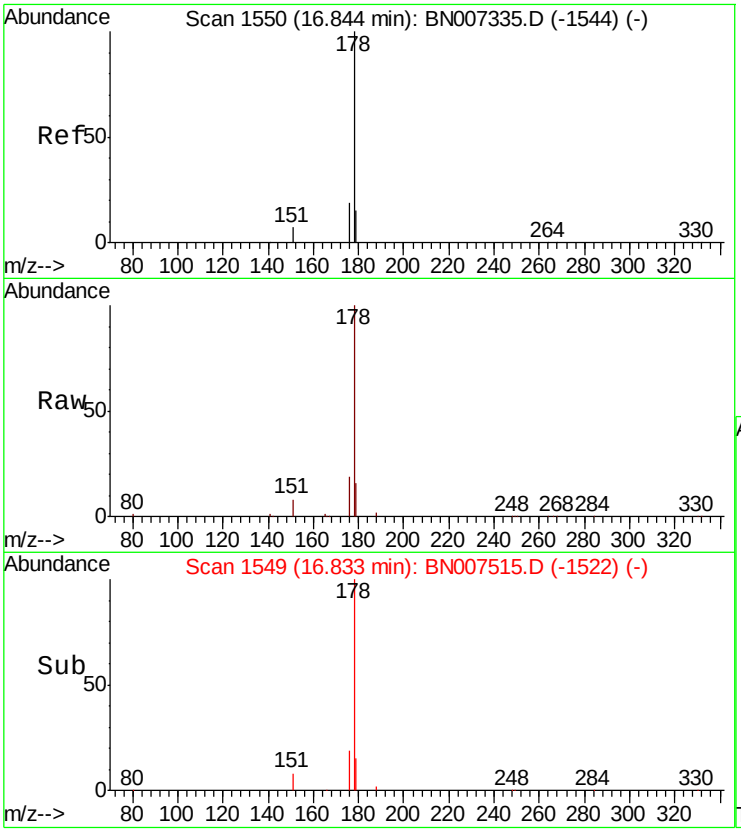


#22
Pentachlorophenol
Concen: 0.195 ng
RT: 16.46 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:266 Resp: 1558

Ion	Ratio	Lower	Upper
266	100		
264	61.7	57.8	86.8
268	67.1	99.7	149.5#



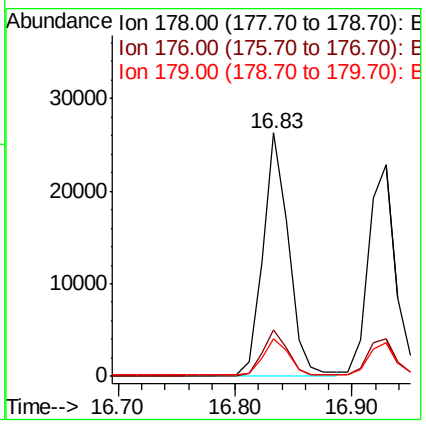


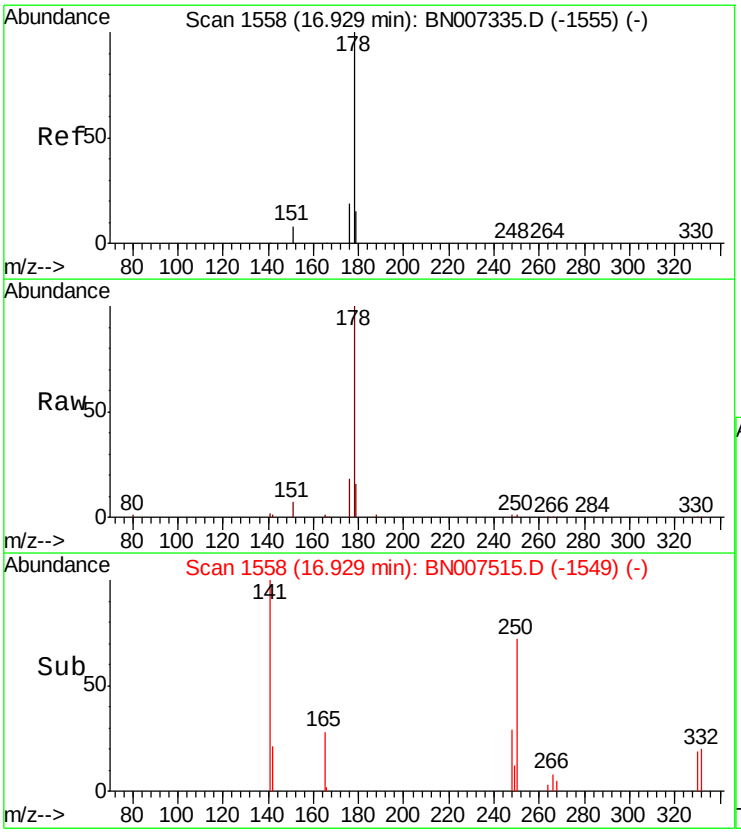
#23
Phenanthrene
Concen: 0.344 ng
RT: 16.83 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:178 Resp: 39733

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.6	12.6	19.0

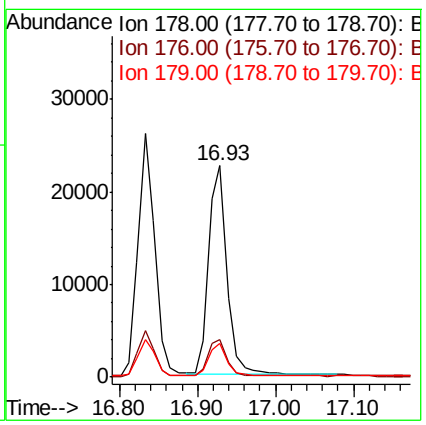


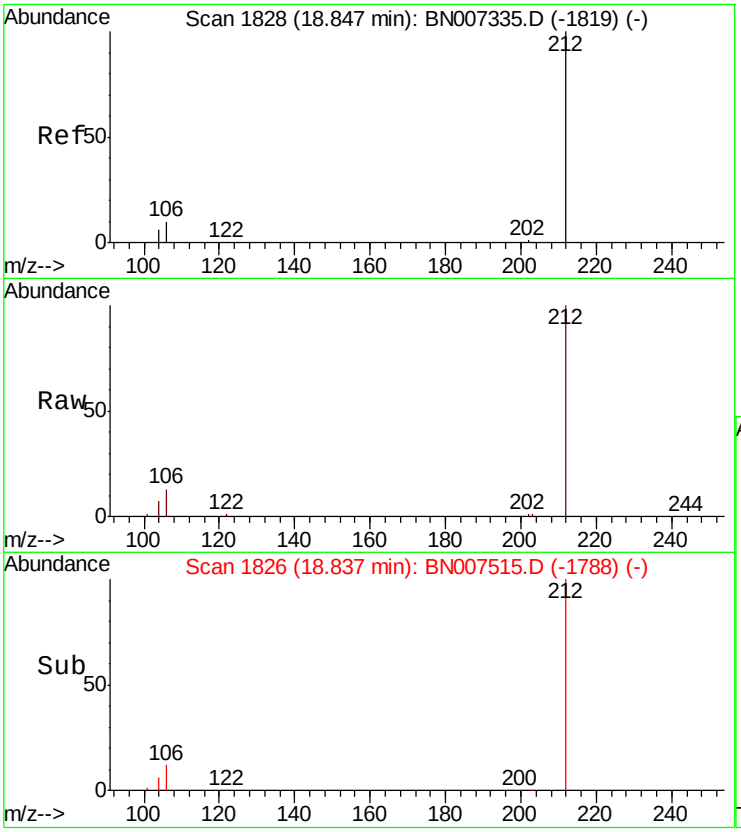


#24
Anthracene
Concen: 0.319 ng
RT: 16.93 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:178 Resp: 36985

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.9	22.3
179	15.6	12.4	18.6



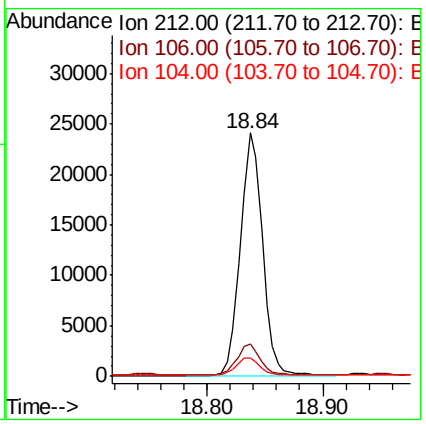


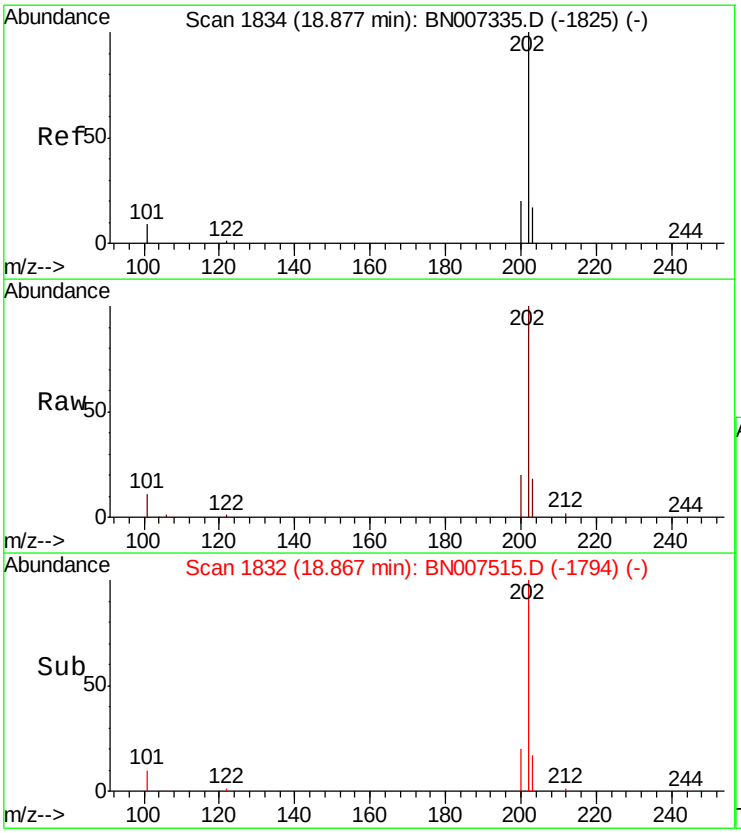
#25
Fluoranthene-d10
Concen: 0.261 ng
RT: 18.84 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:212 Resp: 32265

Ion	Ratio	Lower	Upper
212	100		
106	12.7	9.0	13.4
104	7.2	5.4	8.2

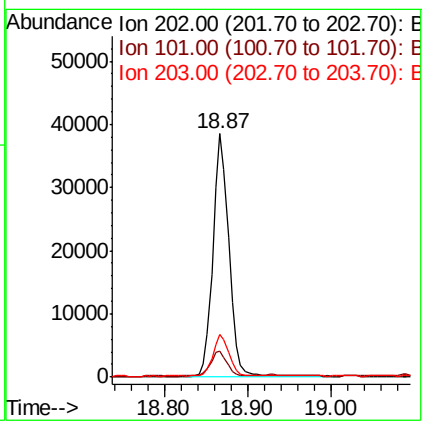


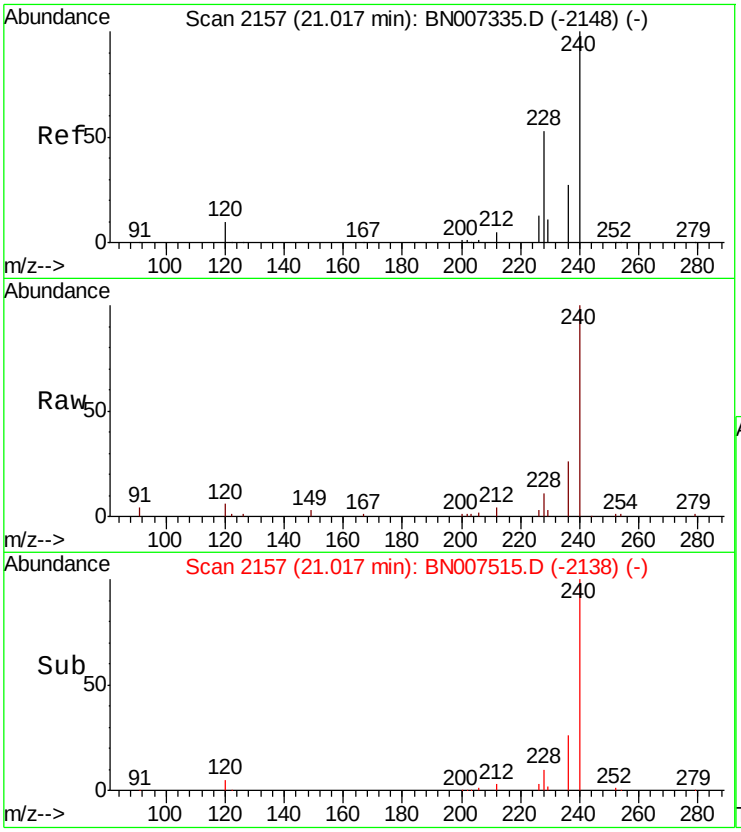


#26
Fluoranthene
Concen: 0.342 ng
RT: 18.87 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:202 Resp: 50734

Ion	Ratio	Lower	Upper
202	100		
101	10.7	7.7	11.5
203	17.1	13.7	20.5



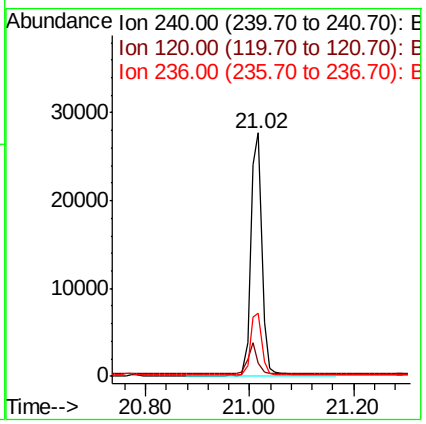


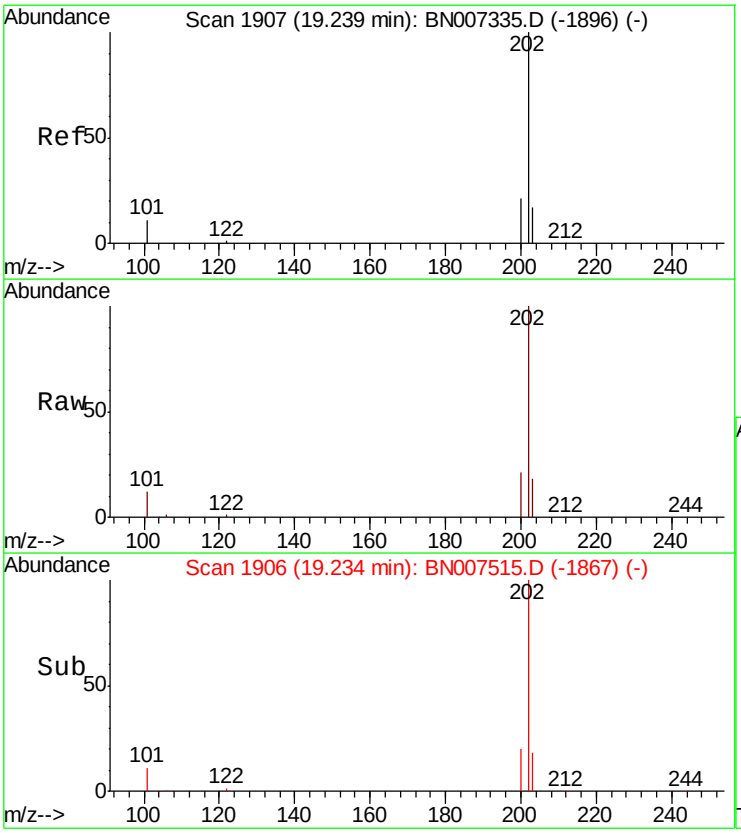
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2157
Delta R.T. 0.00 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:240 Resp: 40882

Ion	Ratio	Lower	Upper
240	100		
120	5.6	9.6	14.4#
236	25.9	22.2	33.2

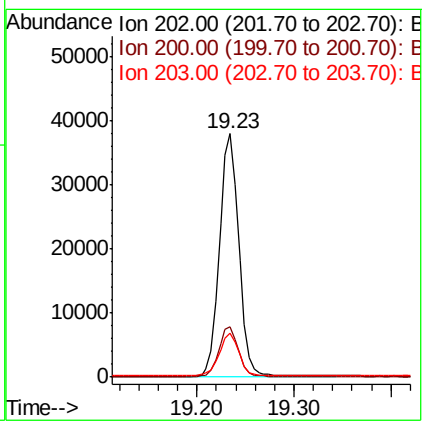


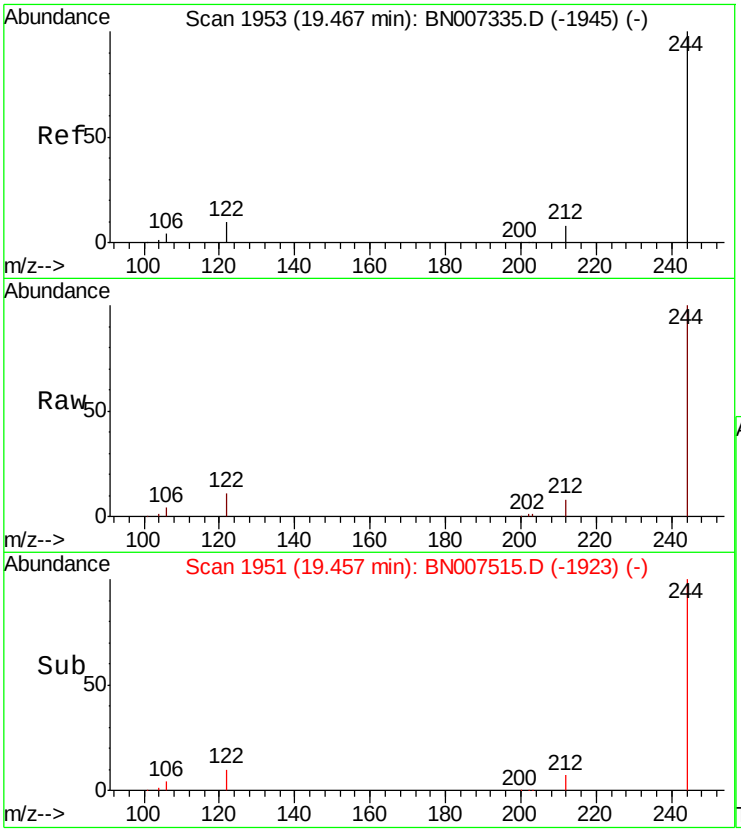


#28
Pyrene
Concen: 0.319 ng
RT: 19.23 min Scan# 1906
Delta R.T. -0.00 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:202 Resp: 52476

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	18.2	14.2	21.4



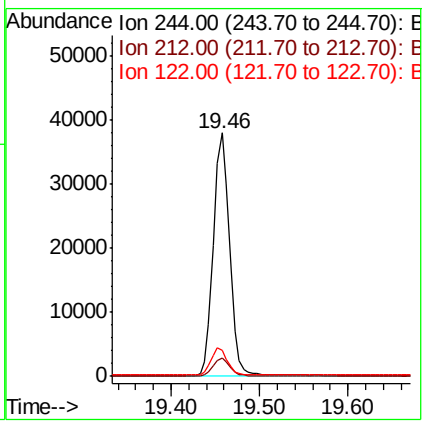


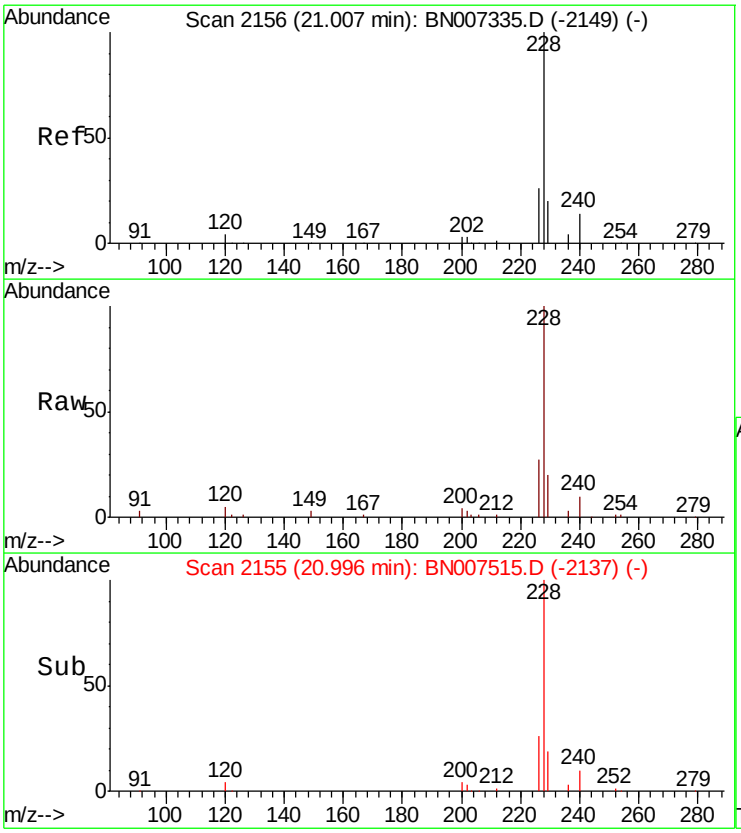
#29
Terphenyl-d14
Concen: 0.453 ng
RT: 19.46 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:244 Resp: 48440

Ion	Ratio	Lower	Upper
244	100		
212	7.5	7.0	10.6
122	10.8	9.6	14.4

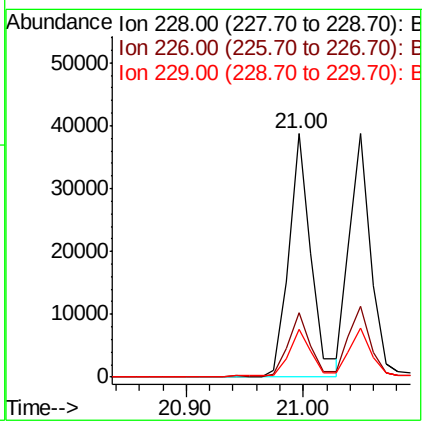


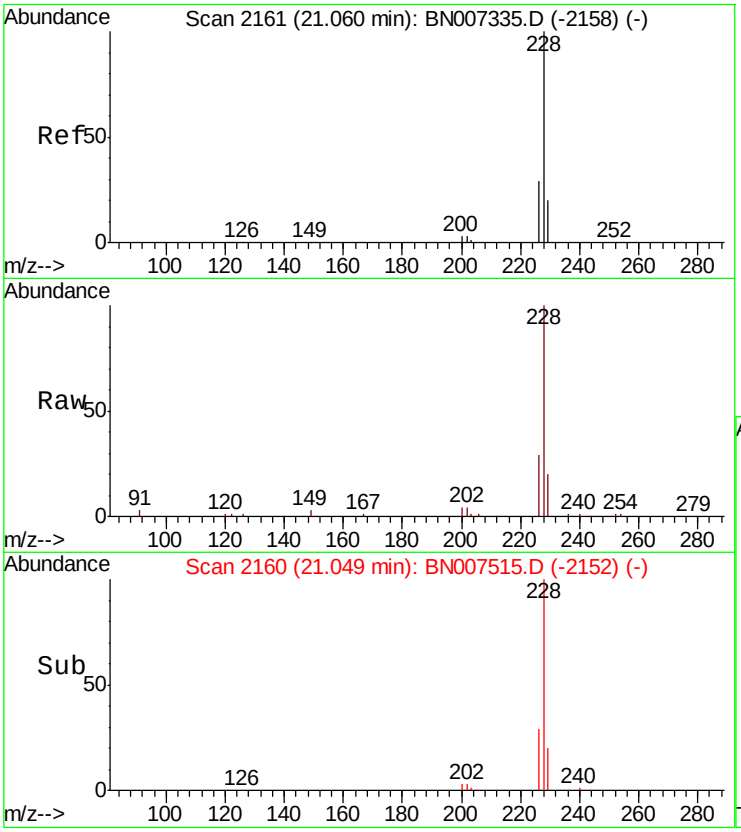


#30
Benzo(a)anthracene
Concen: 0.316 ng
RT: 21.00 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:228 Resp: 50811

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.3	31.9
229	19.6	16.1	24.1



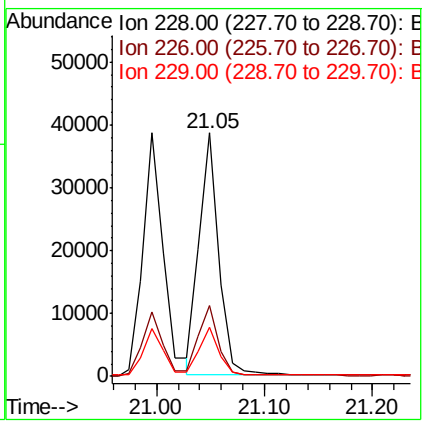


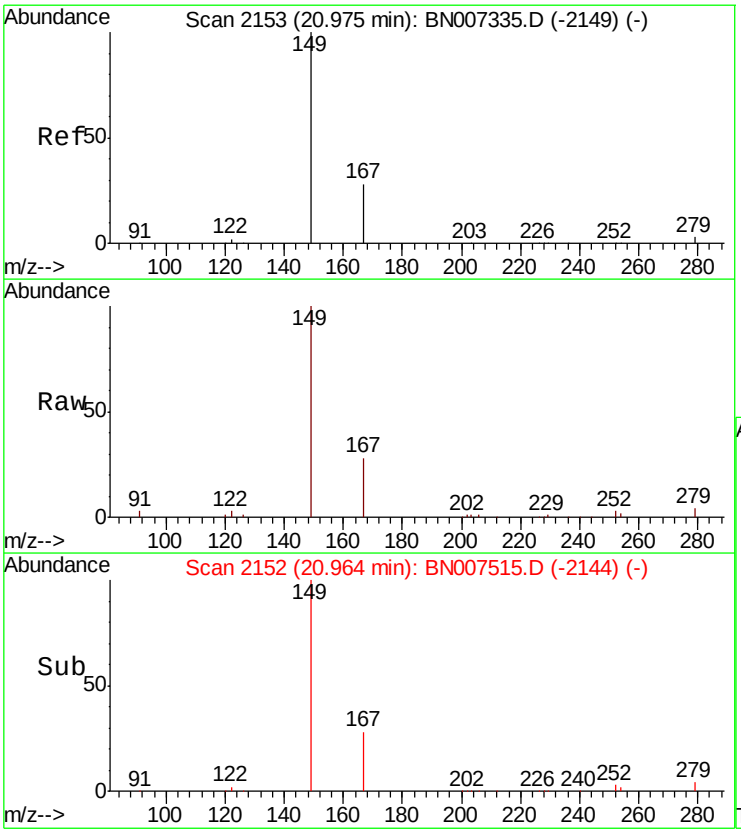
#31
Chrysene
Concen: 0.312 ng
RT: 21.05 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:228 Resp: 48421

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.5	35.3
229	19.9	16.6	24.8

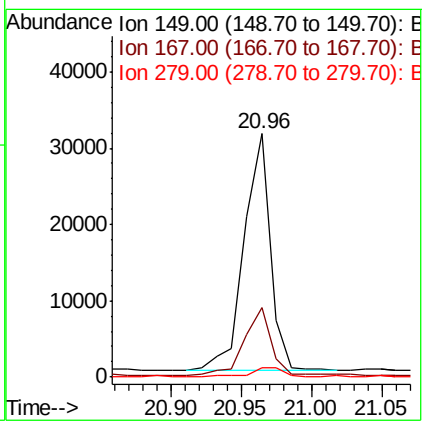


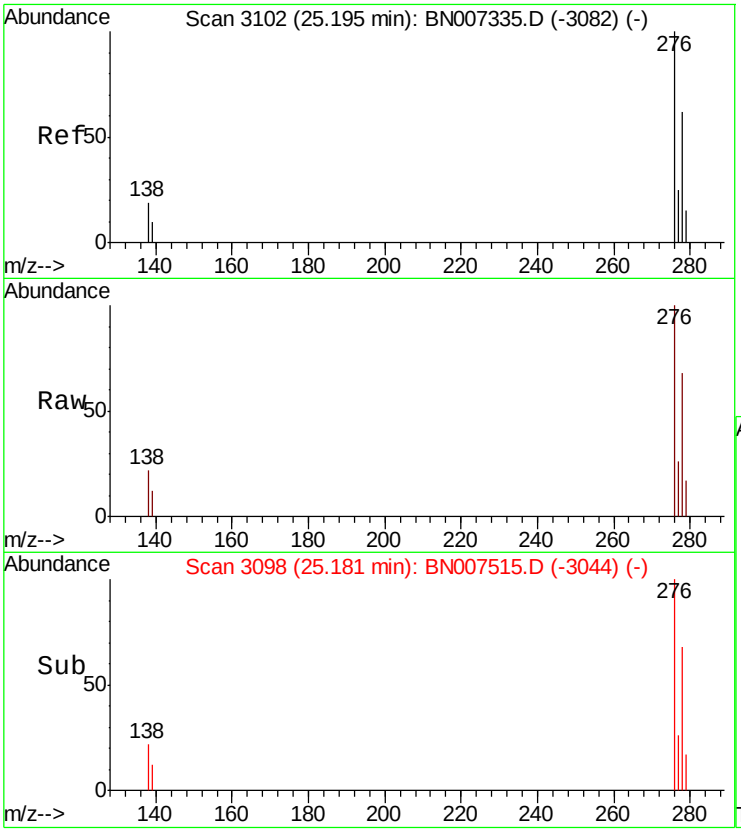


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.369 ng
RT: 20.96 min Scan# 2152
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:149 Resp: 40325

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.8	34.2
279	4.1	3.5	5.3



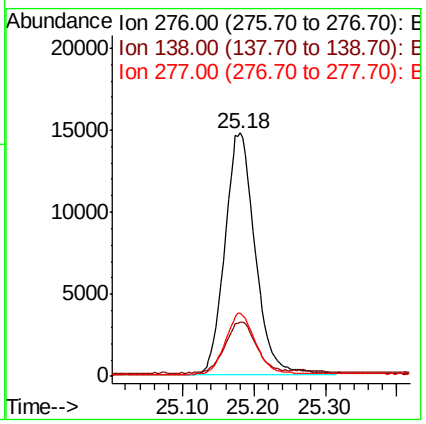


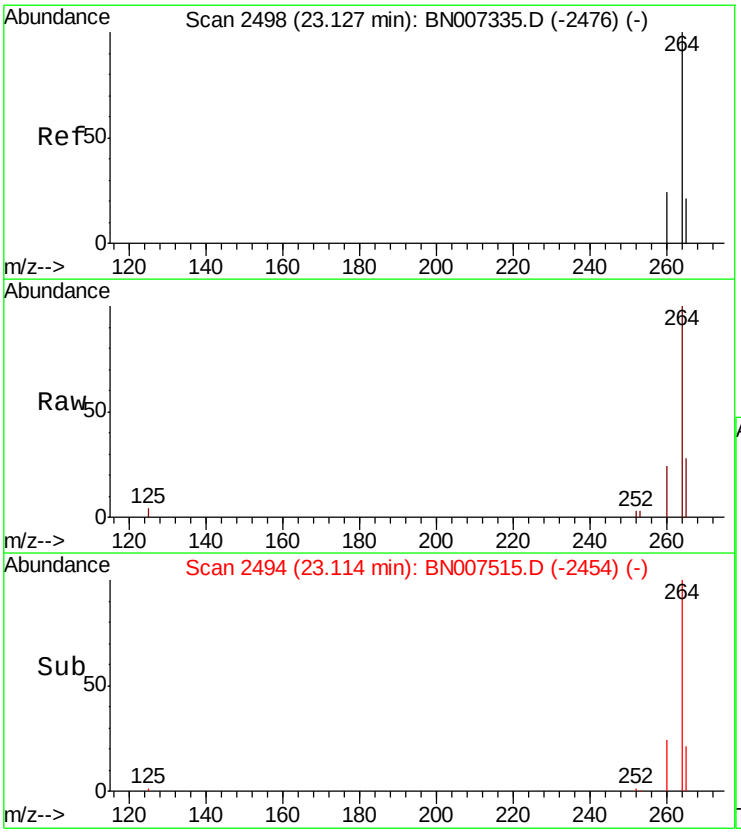
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.234 ng
RT: 25.18 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:276 Resp: 43592

Ion	Ratio	Lower	Upper
276	100		
138	20.8	15.1	22.7
277	24.6	19.7	29.5

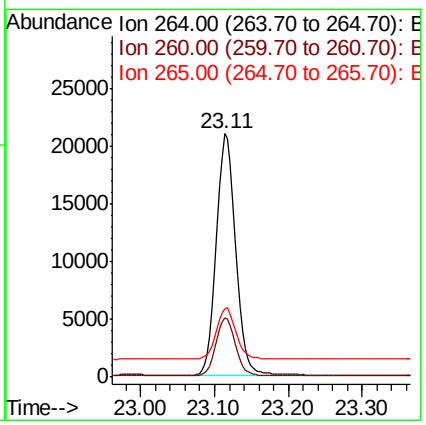


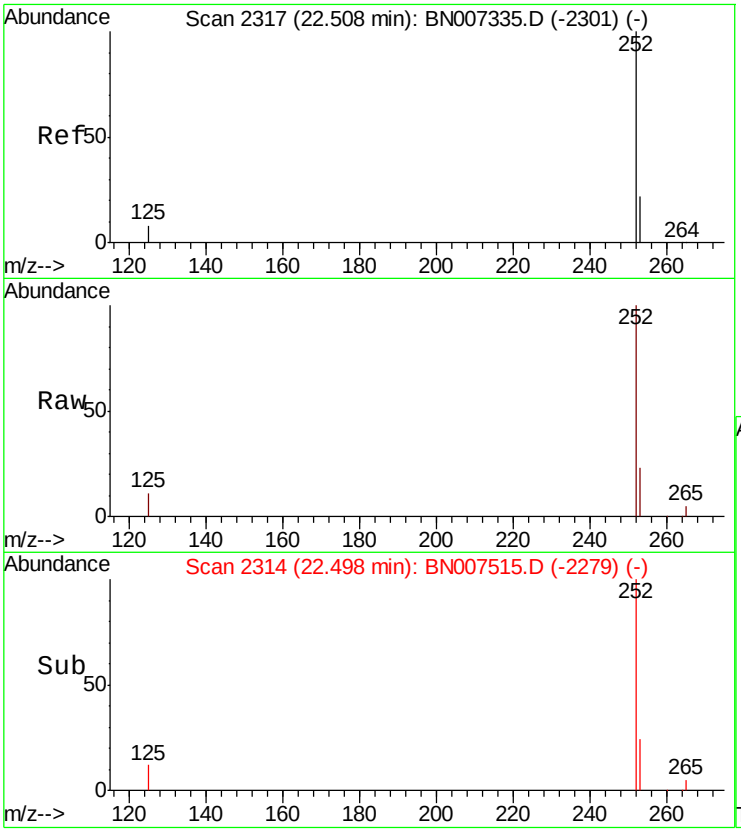


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.11 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:264 Resp: 38015

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	28.3	29.9	44.9#



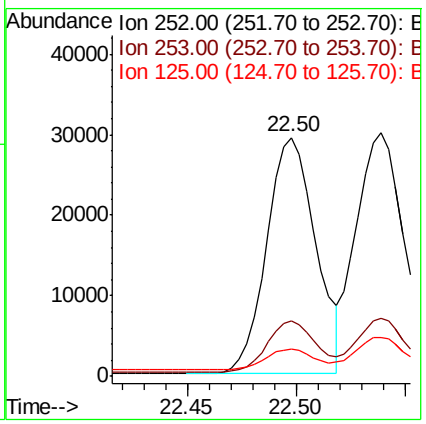


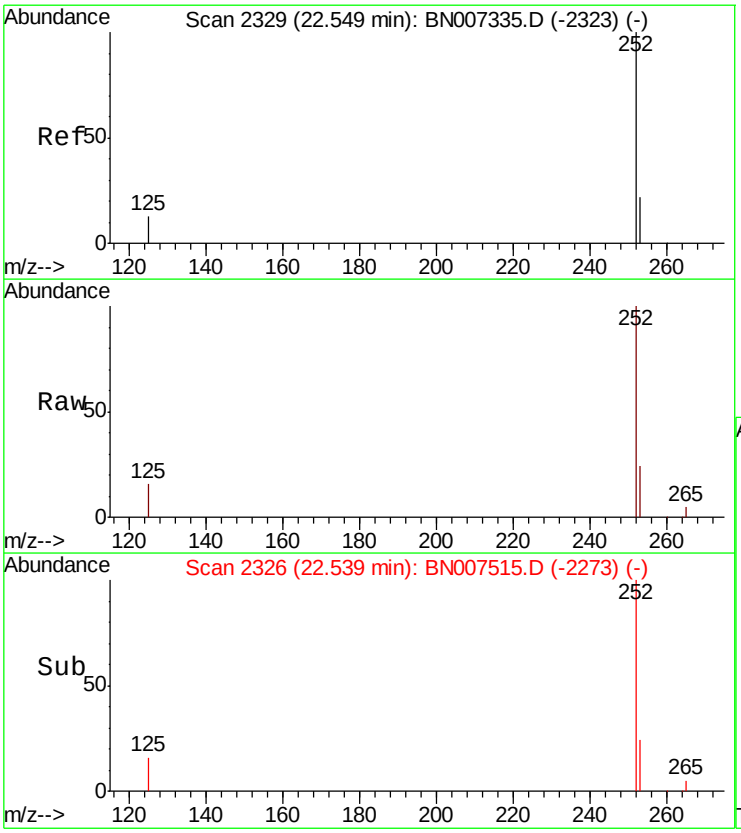
#35
Benzo(b)fluoranthene
Concen: 0.334 ng
RT: 22.50 min Scan# 2314
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:252 Resp: 46054

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.2	28.8
125	11.5	10.6	16.0

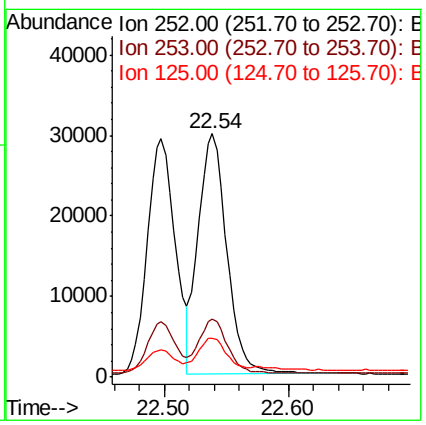


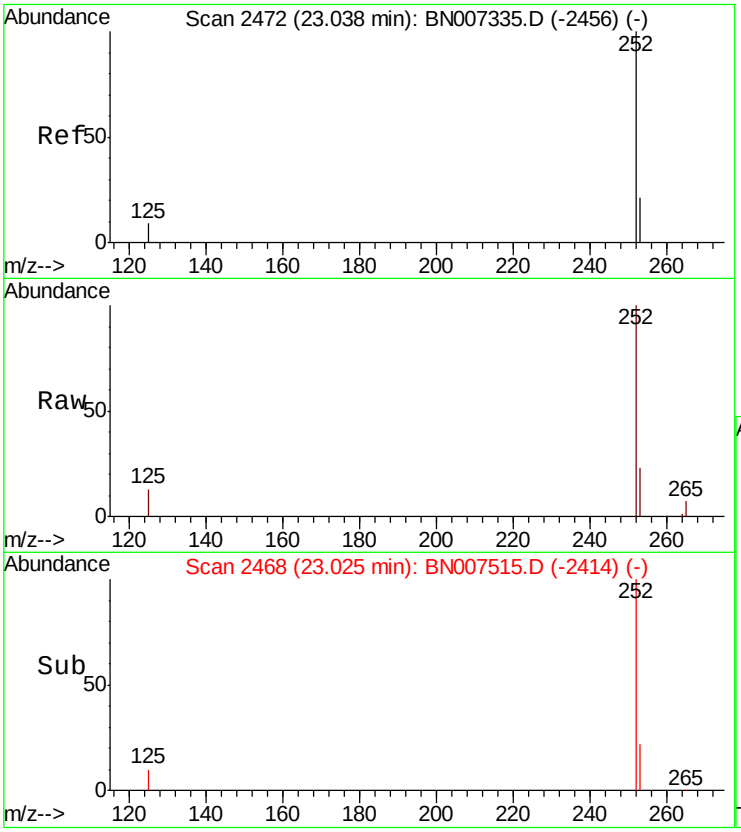


#36
Benzo(k)fluoranthene
Concen: 0.349 ng
RT: 22.54 min Scan# 2326
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:252 Resp: 47577

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.4	29.2
125	16.1	13.1	19.7



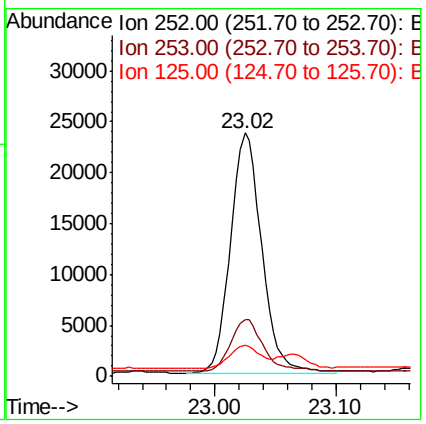


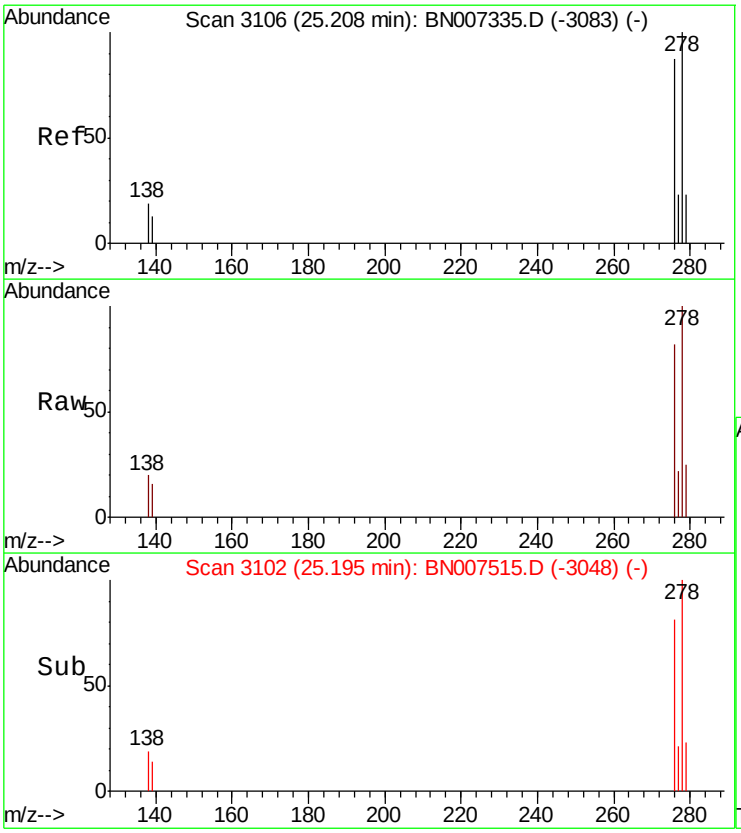
#37
Benzo(a)pyrene
Concen: 0.323 ng
RT: 23.02 min Scan# 2468
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:252 Resp: 42293

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.5	29.3
125	13.0	12.1	18.1

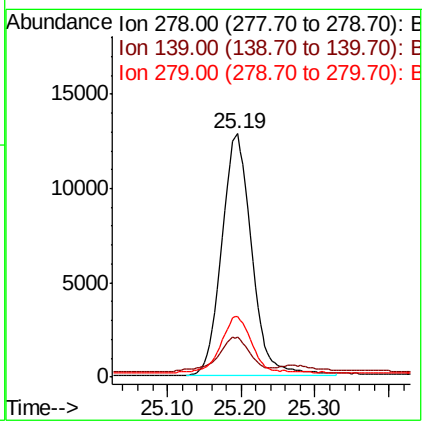


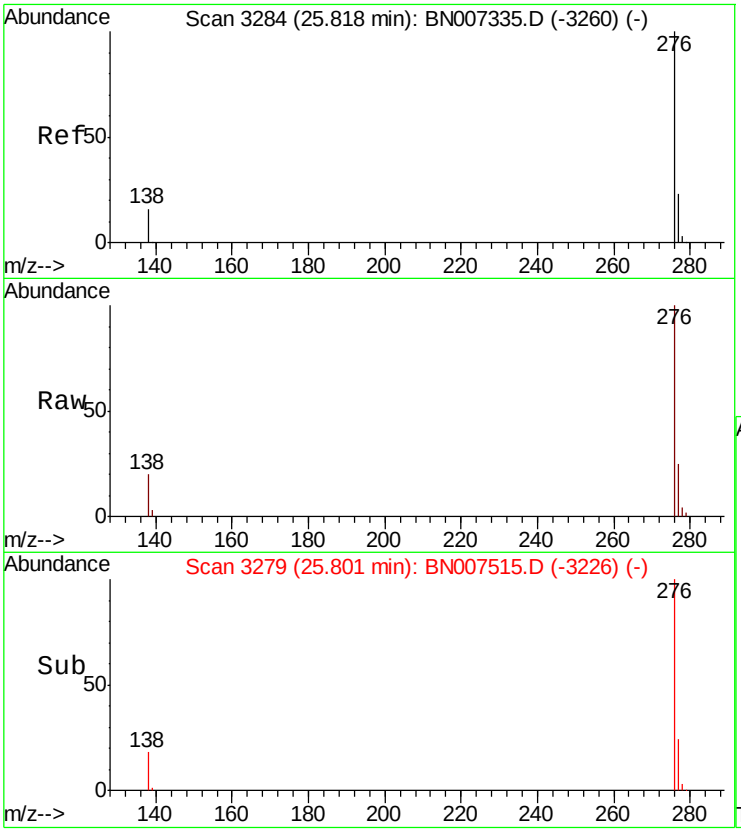


#38
Dibenzo(a,h)anthracene
Concen: 0.274 ng
RT: 25.19 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Tgt Ion:278 Resp: 35819

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.7	20.5
279	24.8	20.2	30.4





#39
Benzo(g,h,i)perylene
Concen: 0.276 ng
RT: 25.80 min Scan# 3279
Delta R.T. -0.02 min
Lab File: BN007515.D
Acq: 29 Aug 2019 22:53

Instrument :
BNA_N
ClientSampleId :
TT-013-IDWSO-20190823MS

Tgt Ion:276 Resp: 35929

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.6	29.4
138	19.9	16.3	24.5