Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090519\
Data File : BN007538.D
Acq On : 05 Sep 2019 18:16
Operator : HP/JU
Sample : PB122822BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB122822BSD

Quant Time: Sep 06 01:59:22 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	7.39	152	5969	0.40	ng		-0.02
7) Naphthalene-d8	10.15	136	27379	0.40	ng		-0.01
13) Acenaphthene-d10	14.03	164	16703	0.40	ng		-0.02
19) Phenanthrene-d10	16.79	188	40309	0.40	ng		0.00
27) Chrysene-d12	21.00	240	35847	0.40	ng		-0.01
34) Perylene-d12	23.11	264	34006	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.02	112	6658	0.32	ng		-0.02
5) Phenol-d6	6.58	99	8320	0.31	ng		0.00
8) Nitrobenzene-d5	8.53	82	7640	0.32	ng		0.00
11) 2-Methylnaphthalene-d10	11.75	152	18483	0.41	ng		-0.01
14) 2,4,6-Tribromophenol	15.54	330	2627	0.30	ng		-0.02
15) 2-Fluorobiphenyl	12.65	172	26313	0.39	ng		0.00
25) Fluoranthene-d10	18.83	212	46878	0.36	ng		-0.01
29) Terphenyl-d14	19.46	244	38591	0.41	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.00	88	3973	0.401	ng	#	81
3) n-Nitrosodimethylamine	3.32	42	1291	0.280	ng	#	75
6) bis(2-Chloroethyl)ether	6.83	93	9033	0.419	ng		95
9) Naphthalene	10.19	128	30660	0.392	ng	#	90
10) Hexachlorobutadiene	10.49	225	5628	0.351	ng	#	100
12) 2-Methylnaphthalene	11.82	142	21667	0.407	ng		97
16) Acenaphthylene	13.75	152	32521	0.329	ng		99
17) Acenaphthene	14.10	154	22461	0.388	ng		98
18) Fluorene	15.09	166	29541	0.404	ng		99
20) 4-Bromophenyl-phenylether	16.01	248	2551	0.160	ng	#	86
21) Hexachlorobenzene	16.10	284	10554	0.391	ng		97
22) Pentachlorophenol	16.45	266	2057	0.245	ng	#	67
23) Phenanthrene	16.83	178	48038	0.396	ng		99
24) Anthracene	16.92	178	41567	0.341	ng		100
26) Fluoranthene	18.86	202	57107	0.367	ng		98
28) Pyrene	19.23	202	58203	0.404	ng		99
30) Benzo(a)anthracene	20.99	228	52526	0.373	ng		100
31) Chrysene	21.05	228	51698	0.380	ng		99
32) Bis(2-ethylhexyl)phthalate	20.96	149	26488	0.272	ng		98
33) Indeno(1,2,3-cd)pyrene	25.17	276	52225	0.319	ng		92
35) Benzo(b)fluoranthene	22.49	252	50059	0.406	ng	#	95
36) Benzo(k)fluoranthene	22.53	252	53554	0.440	ng	#	96
37) Benzo(a)pyrene	23.02	252	44119	0.376	ng	#	95
38) Dibenzo(a,h)anthracene	25.18	278	42038	0.359	ng	#	68
39) Benzo(g,h,i)perylene	25.79	276	42574	0.365	ng		100

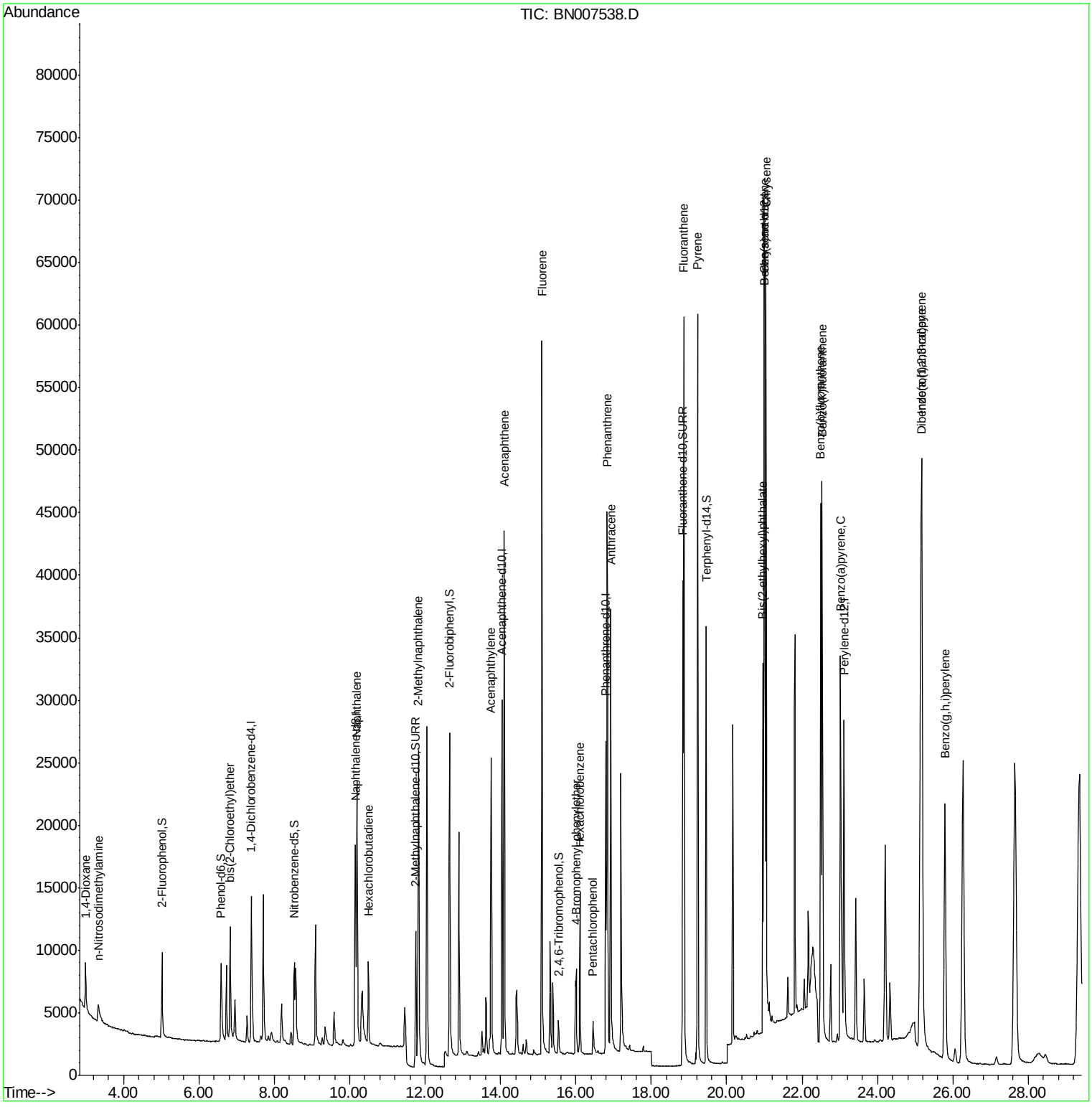
(#) = qualifier out of range (m) = manual integration (+) = signals summed

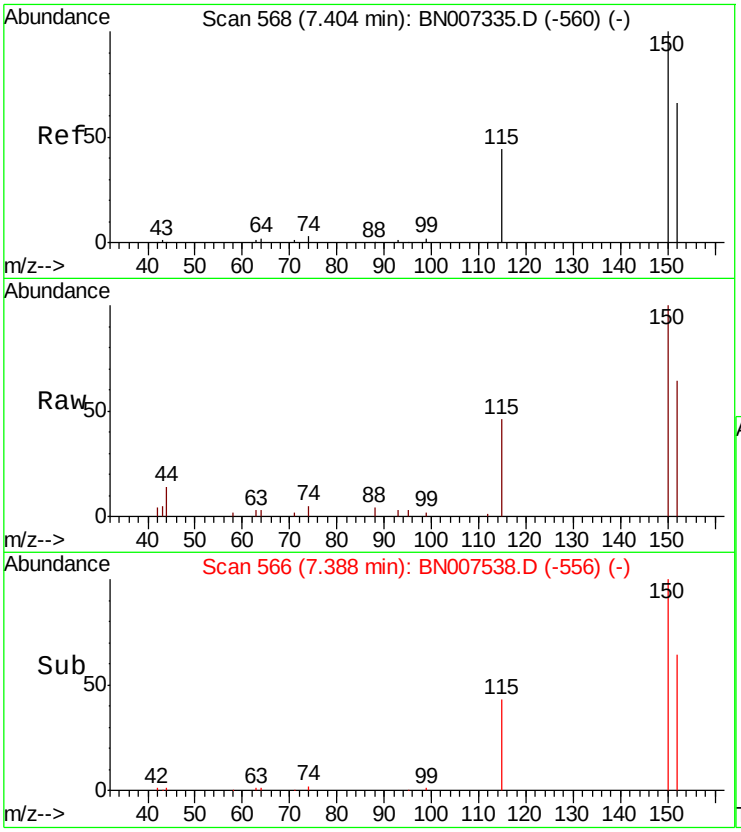
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090519\
Data File : BN007538.D
Acq On : 05 Sep 2019 18:16
Operator : HP/JU
Sample : PB122822BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Quant Time: Sep 06 01:59:22 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



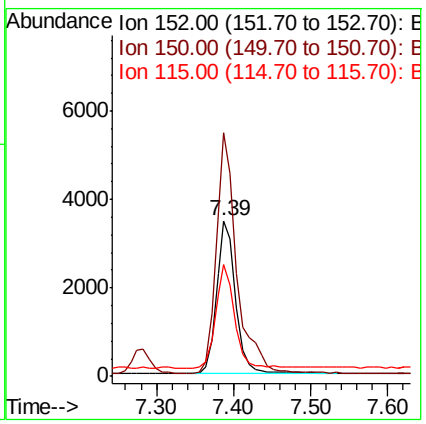


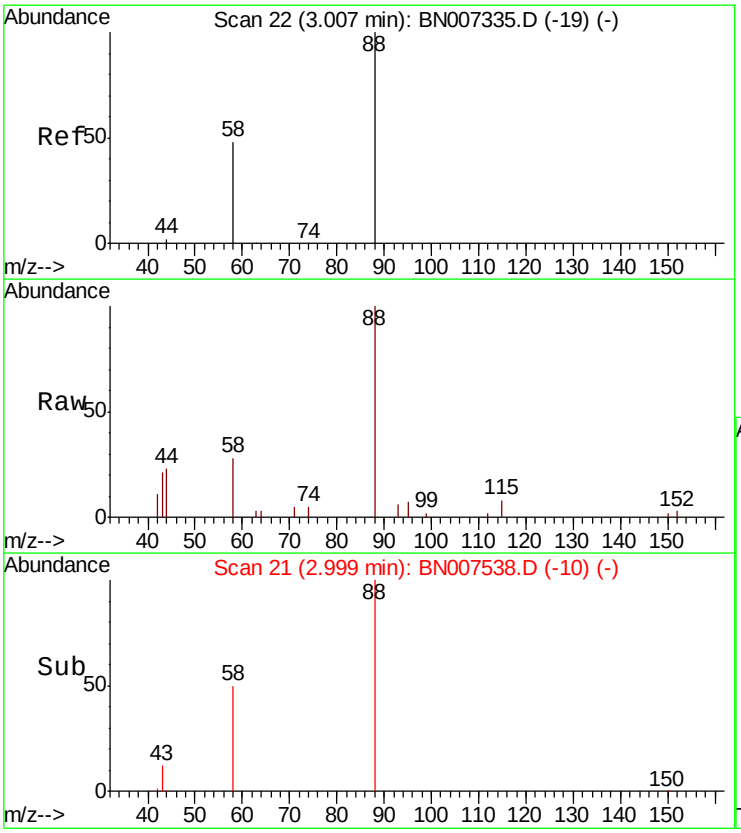
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 566
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:152 Resp: 5969

Ion	Ratio	Lower	Upper
152	100		
150	156.6	109.1	163.7
115	72.2	59.6	89.4

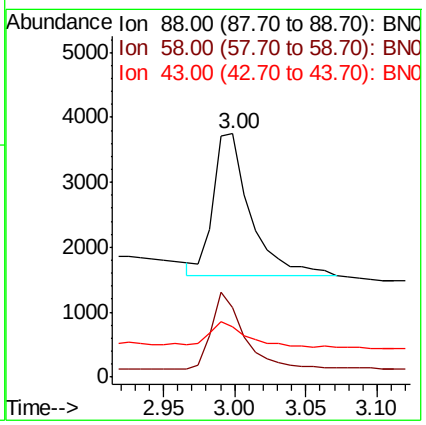


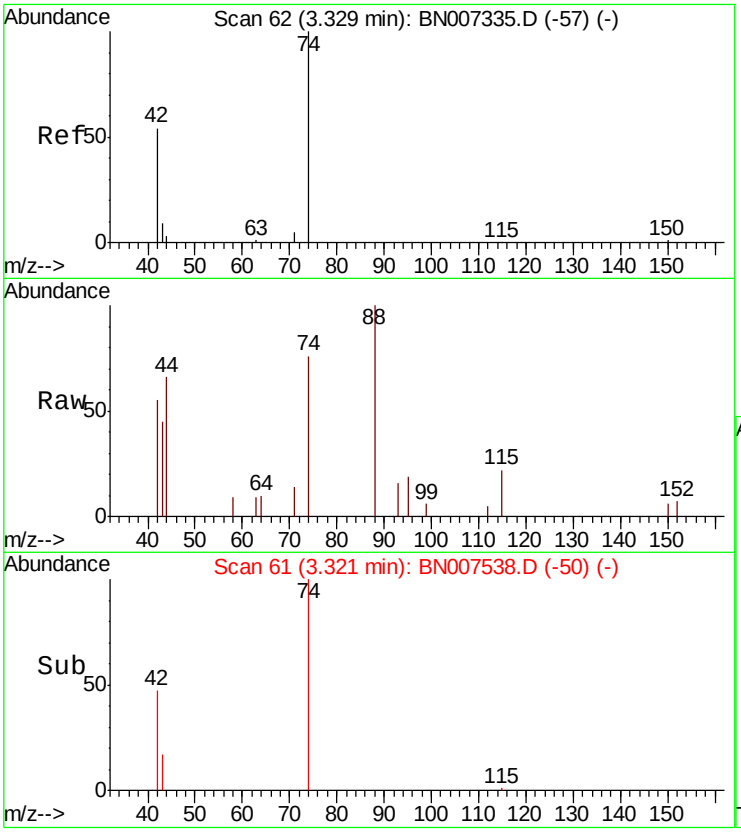


#2
1,4-Dioxane
Concen: 0.401 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion: 88 Resp: 3973

Ion	Ratio	Lower	Upper
88	100		
58	48.3	50.5	75.7#
43	18.1	0.0	0.0#



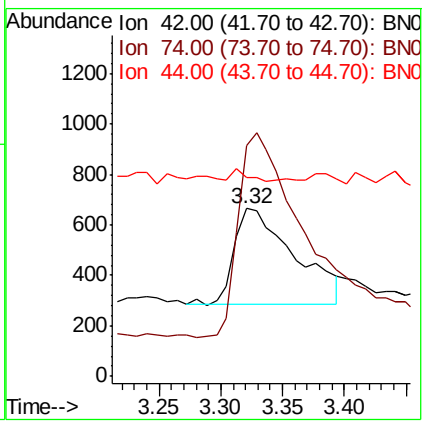


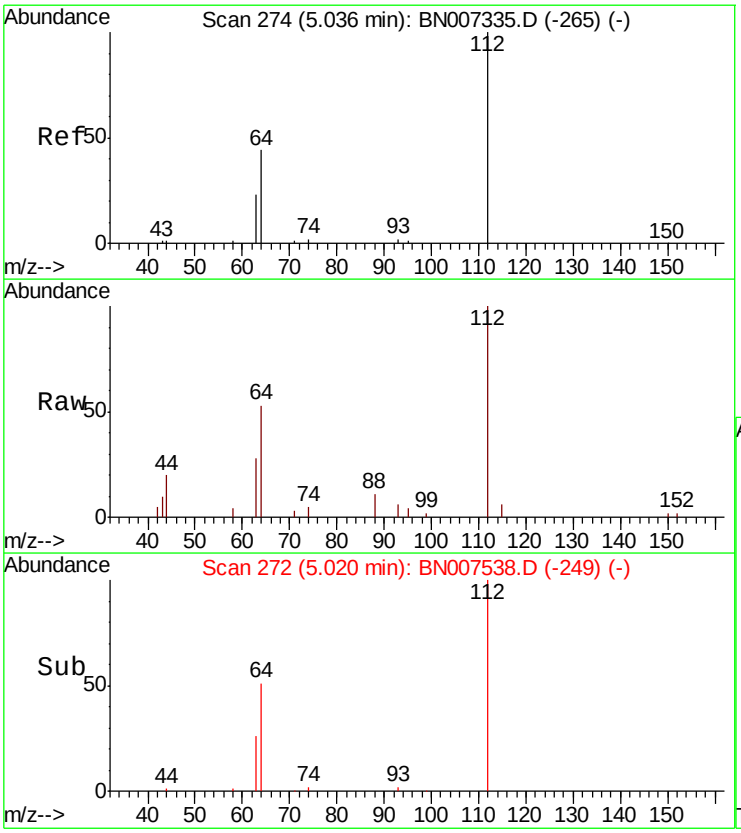
#3
n-Nitrosodimethylamine
Concen: 0.280 ng
RT: 3.32 min Scan# 61
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion: 42 Resp: 1291

Ion	Ratio	Lower	Upper
42	100		
74	217.1	144.7	217.1#
44	3.3	3.2	4.8

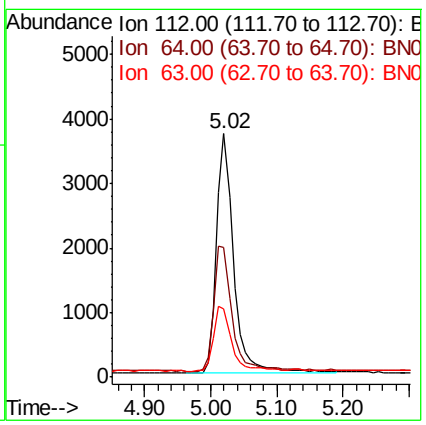


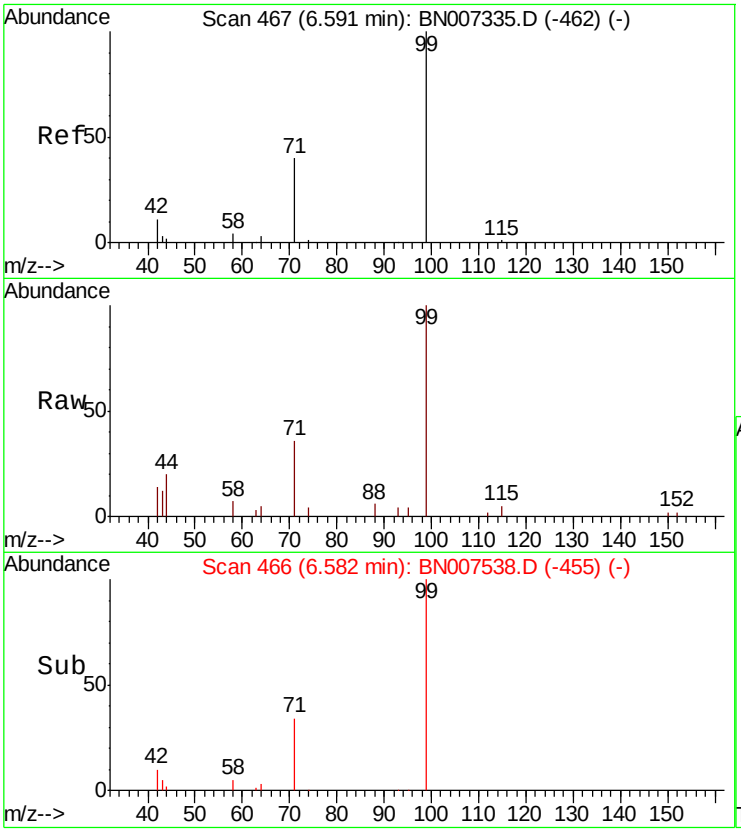


#4
2-Fluorophenol
Concen: 0.315 ng
RT: 5.02 min Scan# 272
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:112 Resp: 6658

Ion	Ratio	Lower	Upper
112	100		
64	56.3	42.3	63.5
63	28.4	23.6	35.4



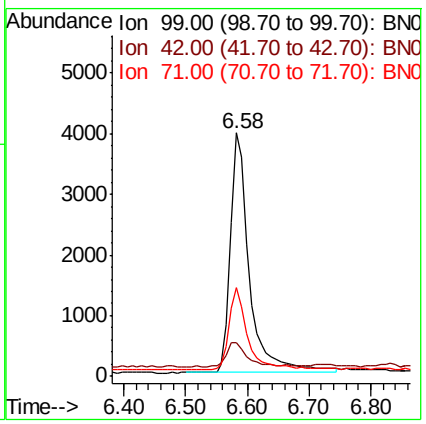


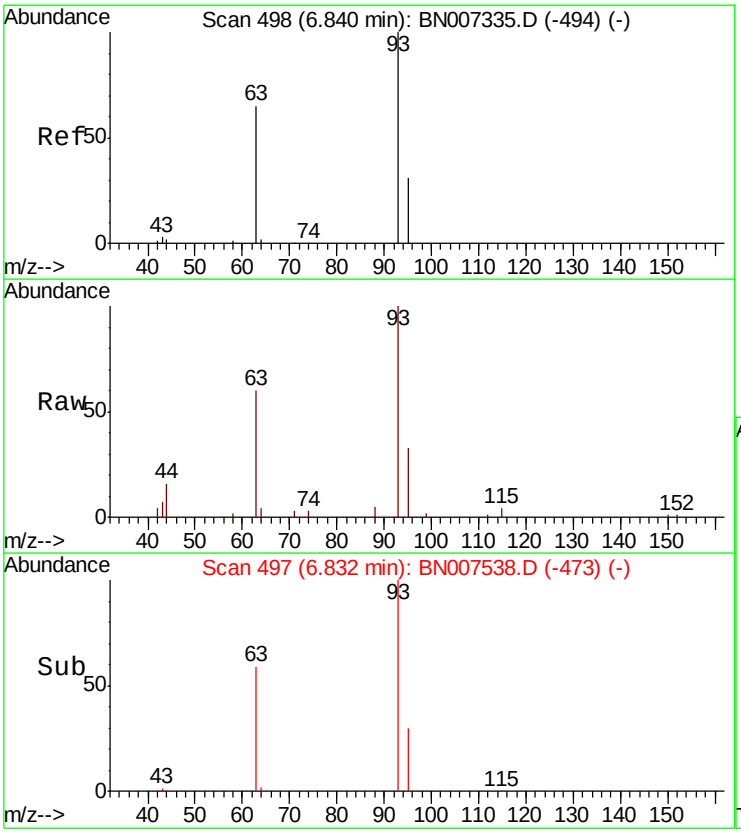
#5
Phenol-d6
Concen: 0.309 ng
RT: 6.58 min Scan# 466
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion: 99 Resp: 8320

Ion	Ratio	Lower	Upper
99	100		
42	11.0	11.2	16.8#
71	33.9	31.8	47.8

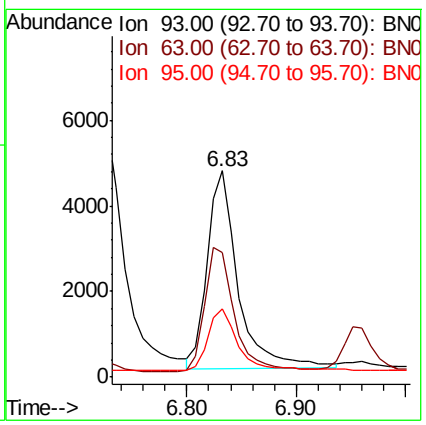


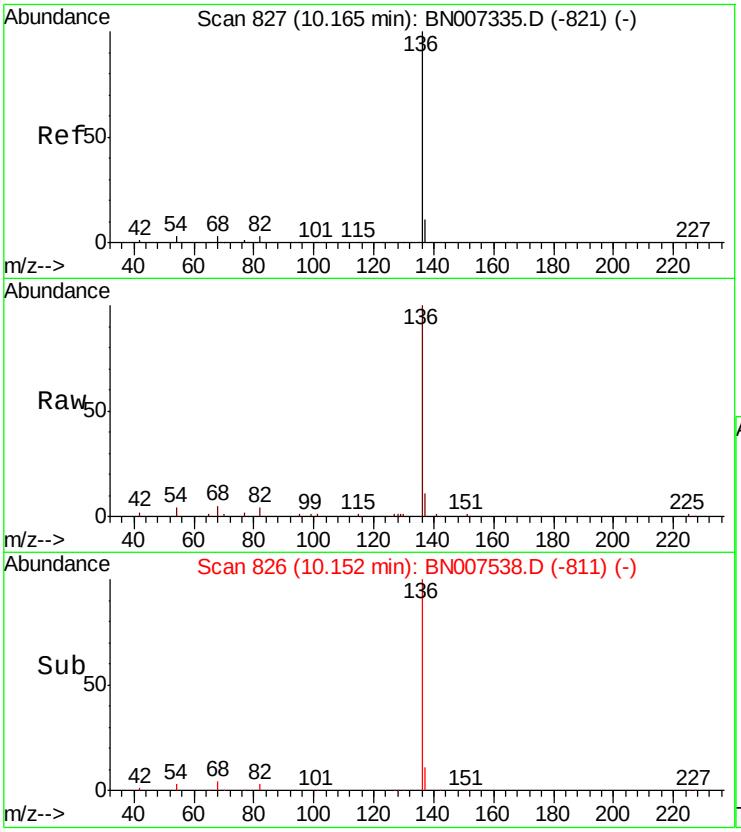


#6
bis(2-Chloroethyl)ether
Concen: 0.419 ng
RT: 6.83 min Scan# 497
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion: 93 Resp: 9033

Ion	Ratio	Lower	Upper
93	100		
63	61.5	51.9	77.9
95	30.9	27.7	41.5



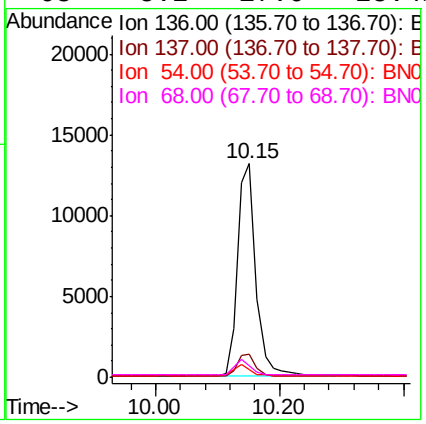


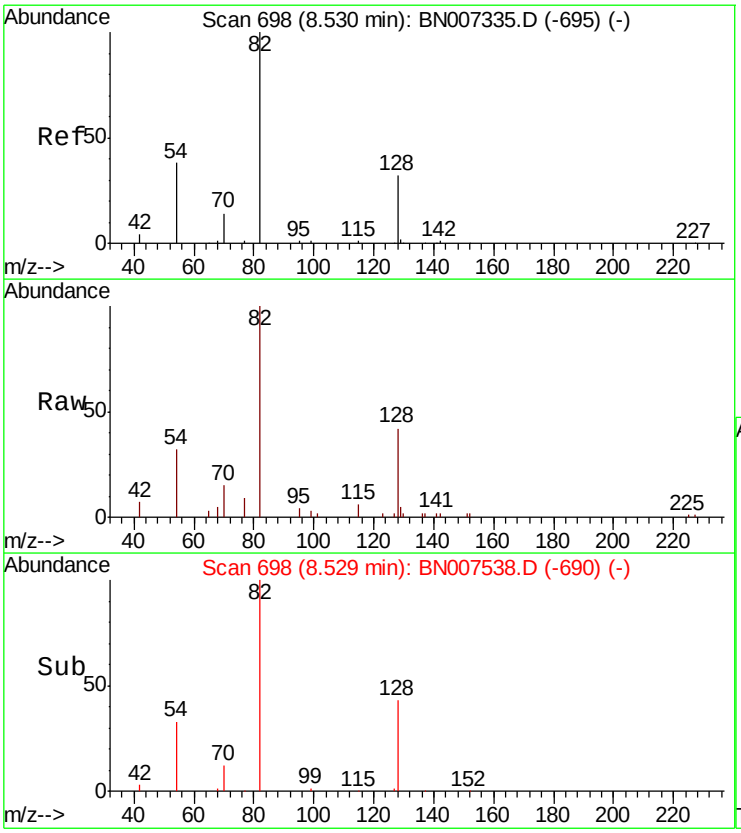
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:136 Resp: 27379

Ion	Ratio	Lower	Upper
136	100		
137	11.0	12.9	19.3#
54	3.7	8.6	12.8#
68	5.2	17.0	25.4#

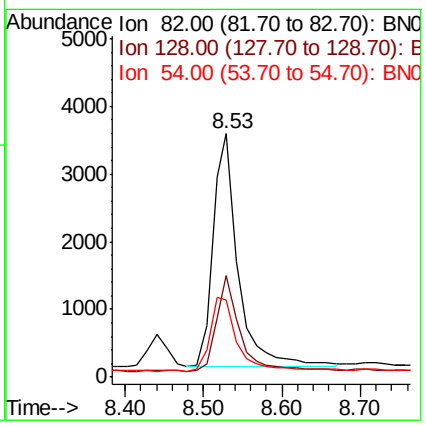


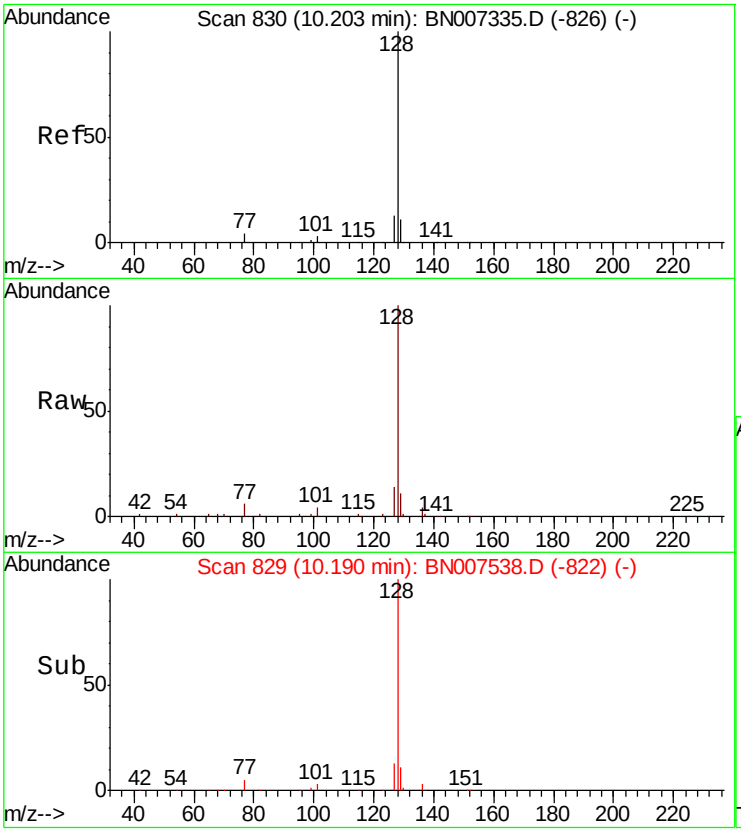


#8
Nitrobenzene-d5
Concen: 0.321 ng
RT: 8.53 min Scan# 698
Delta R.T. 0.00 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion: 82 Resp: 7640

Ion	Ratio	Lower	Upper
82	100		
128	41.5	19.7	29.5#
54	31.8	25.8	38.6



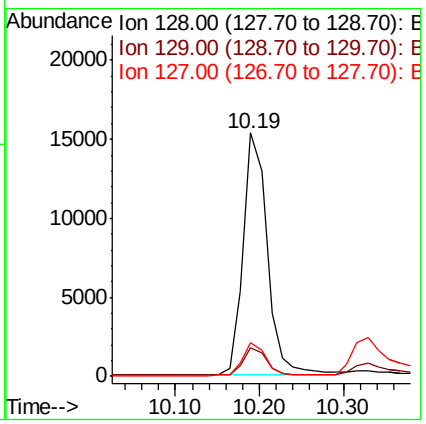


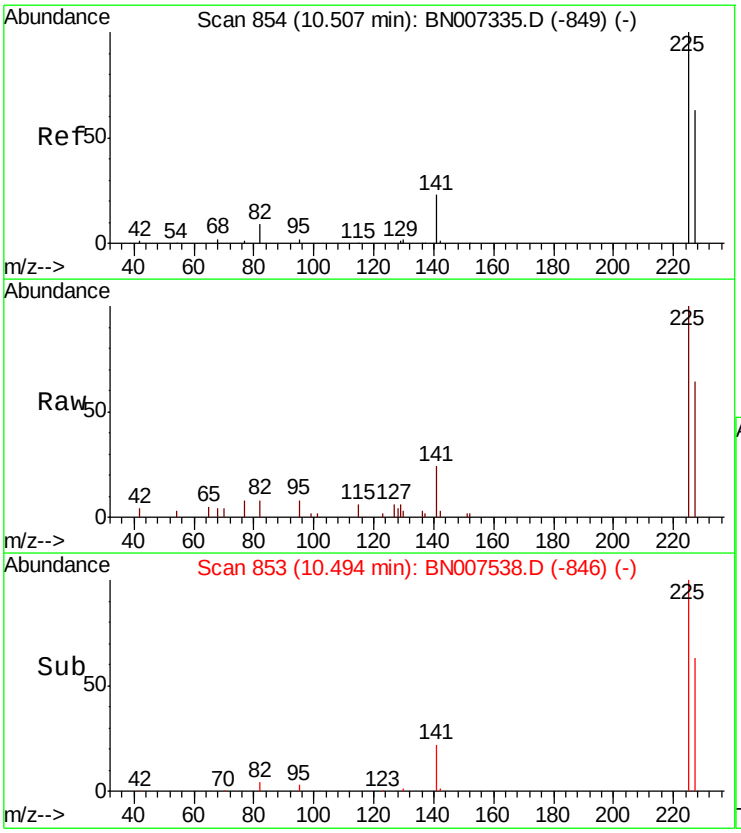
#9
Naphthalene
Concen: 0.392 ng
RT: 10.19 min Scan# 829
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:128 Resp: 30660

Ion	Ratio	Lower	Upper
128	100		
129	11.5	11.1	16.7
127	13.7	15.5	23.3#

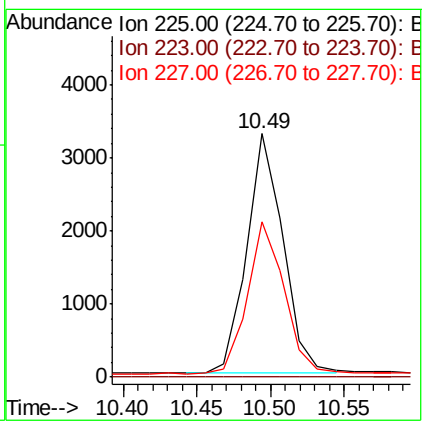


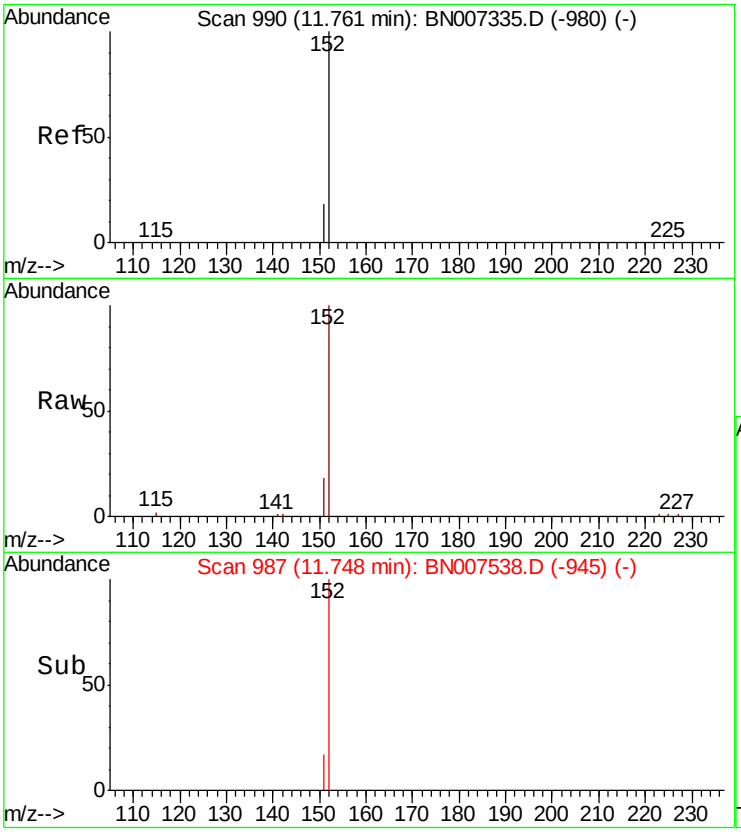


#10
Hexachlorobutadiene
Concen: 0.351 ng
RT: 10.49 min Scan# 853
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:225 Resp: 5628

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.5	50.7	76.1



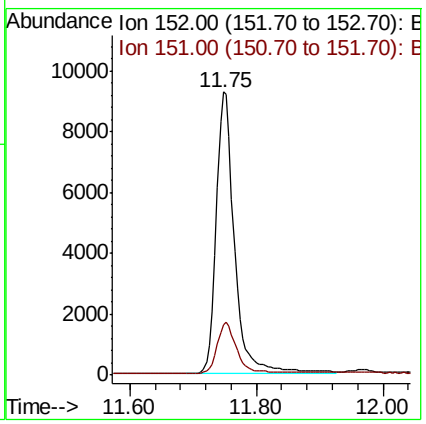


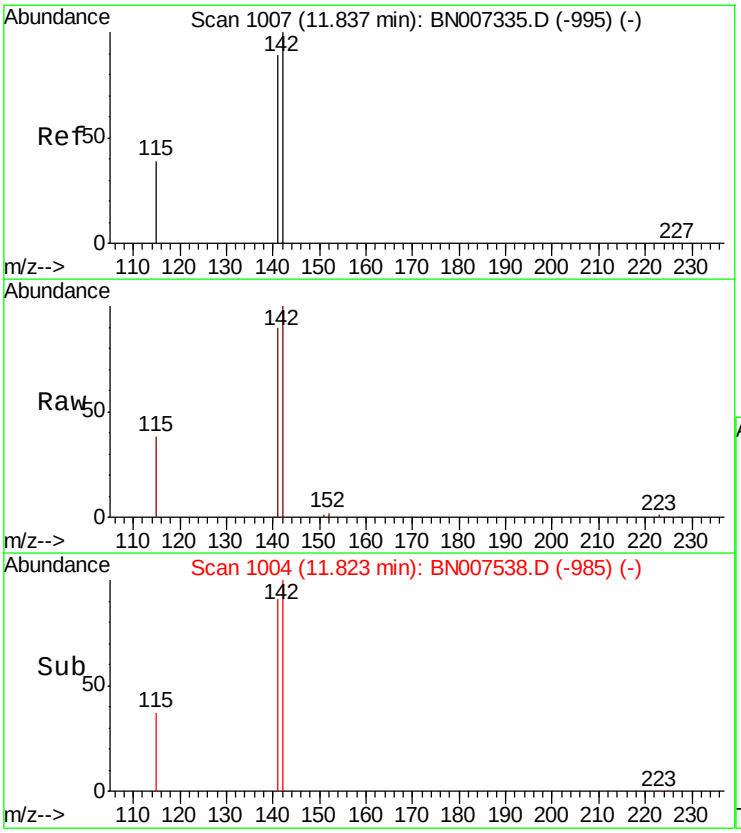
#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 11.75 min Scan# 987
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:152 Resp: 18483

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.2	24.2

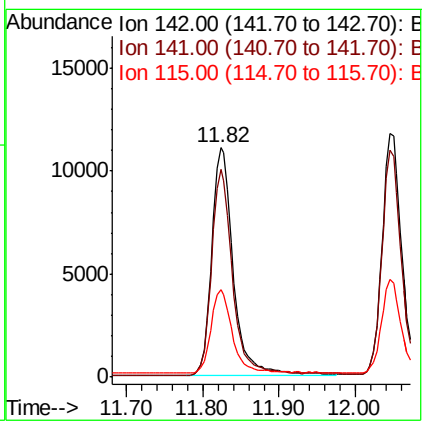


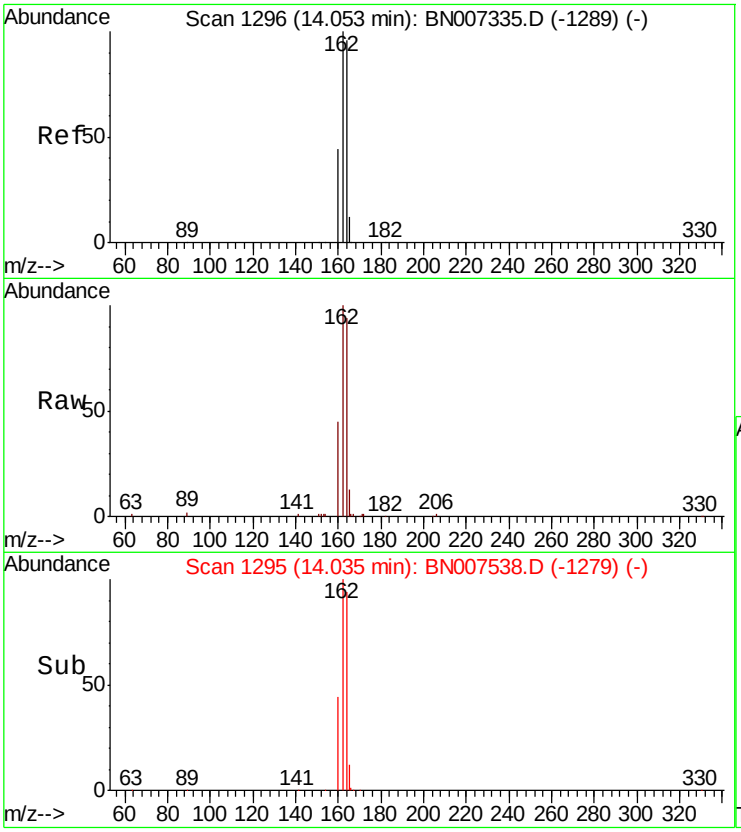


#12
2-Methylnaphthalene
Concen: 0.407 ng
RT: 11.82 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:142 Resp: 21667

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.8	109.2
115	38.4	35.2	52.8



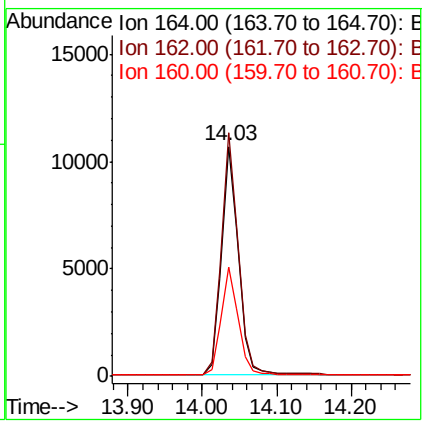


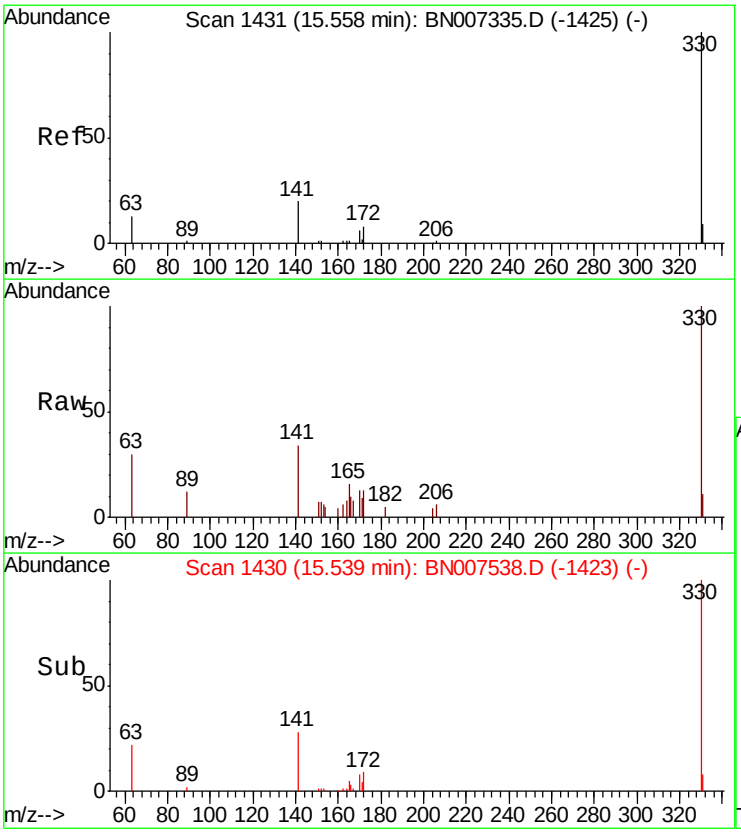
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:164 Resp: 16703

Ion	Ratio	Lower	Upper
164	100		
162	106.0	83.5	125.3
160	47.3	38.2	57.4

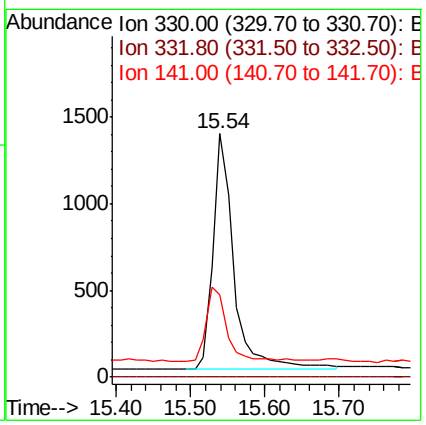


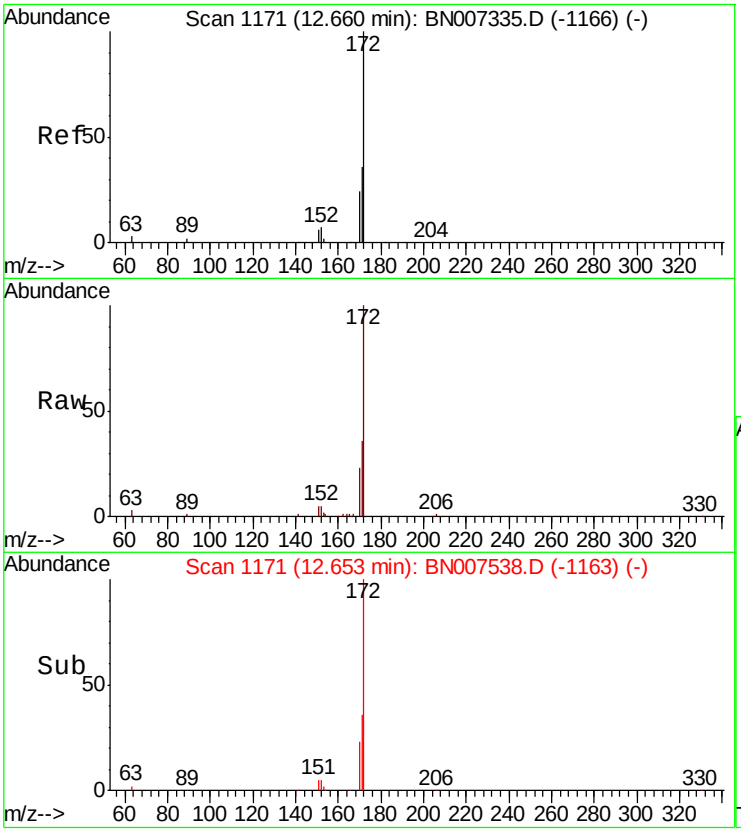


#14
2,4,6-Tribromophenol
Concen: 0.301 ng
RT: 15.54 min Scan# 1430
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:330 Resp: 2627

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.8	26.9	40.3



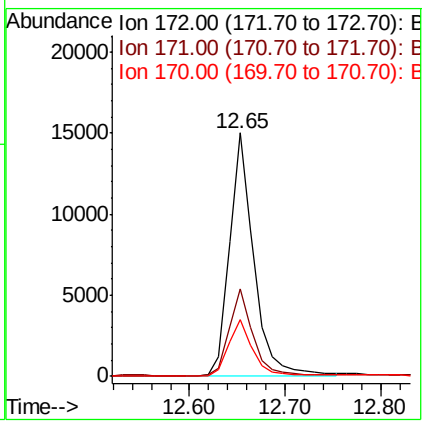


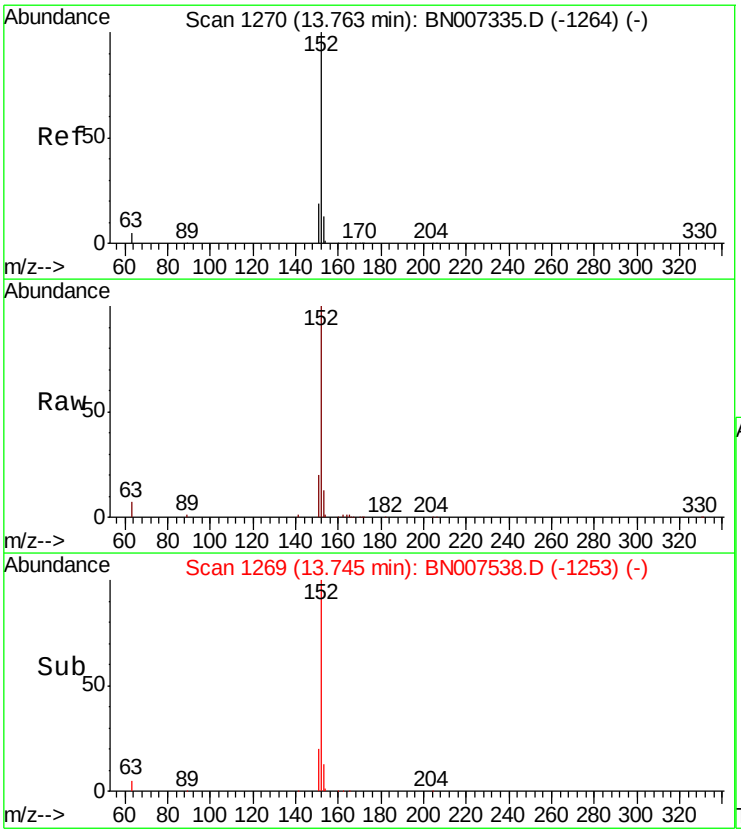
#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:172 Resp: 26313

Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.3	45.5
170	23.3	20.7	31.1

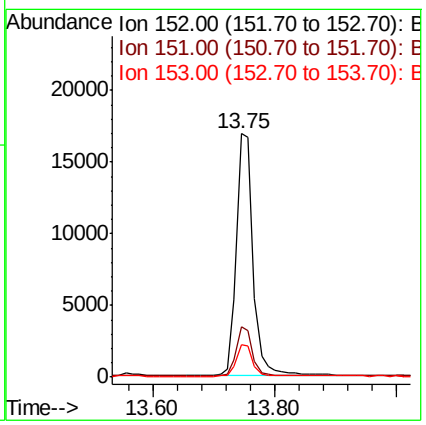


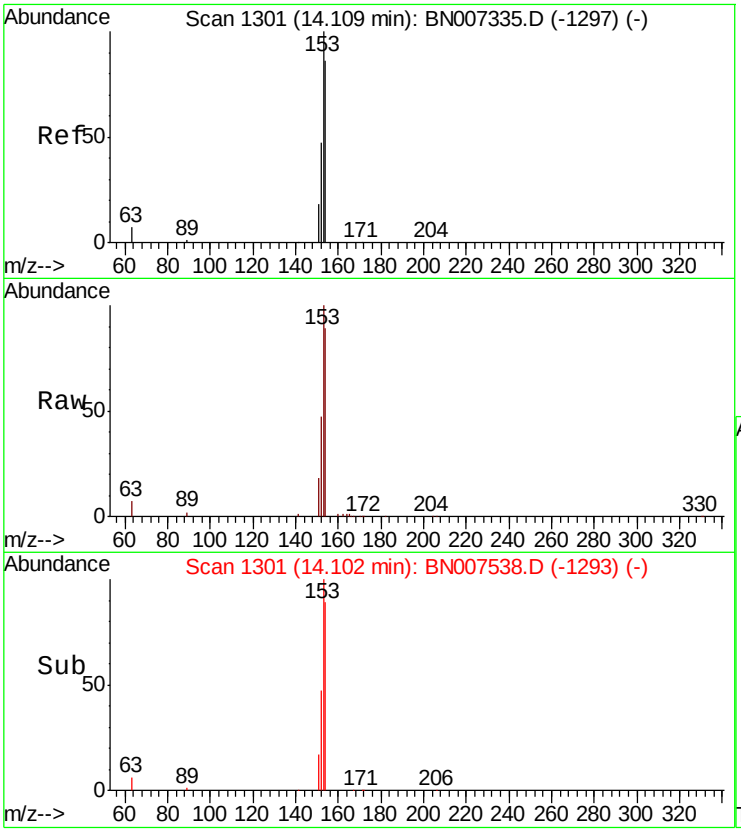


#16
Acenaphthylene
Concen: 0.329 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:152 Resp: 32521

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	13.1	10.6	15.8



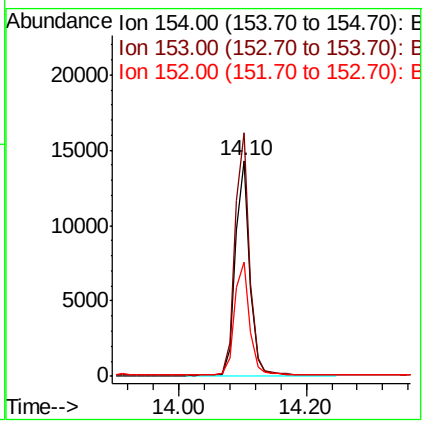


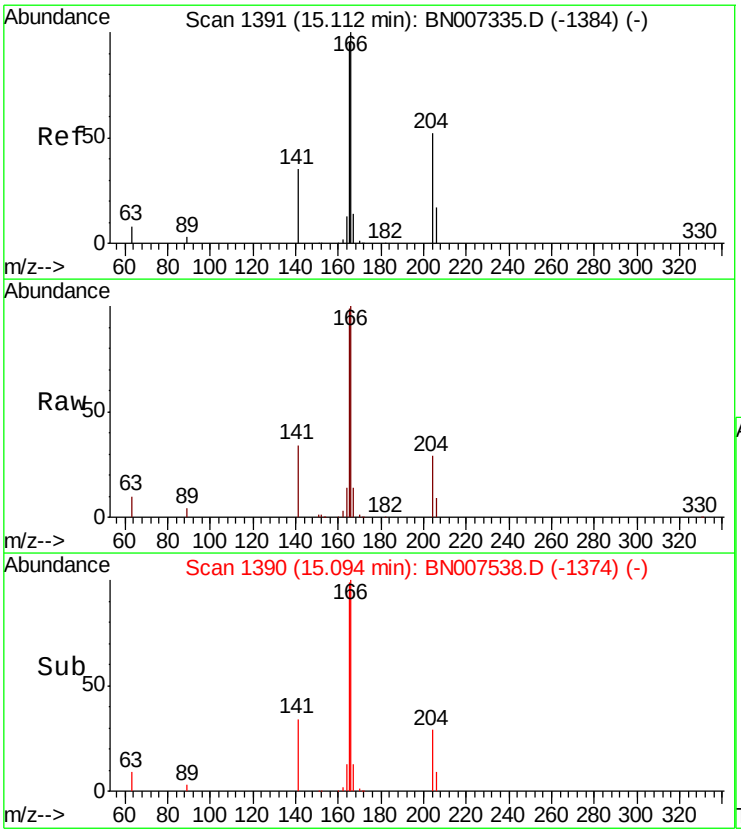
#17
Acenaphthene
Concen: 0.388 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:154 Resp: 22461

Ion	Ratio	Lower	Upper
154	100		
153	113.3	92.8	139.2
152	54.2	43.8	65.8

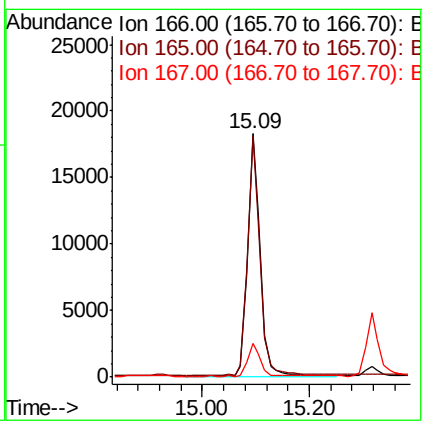


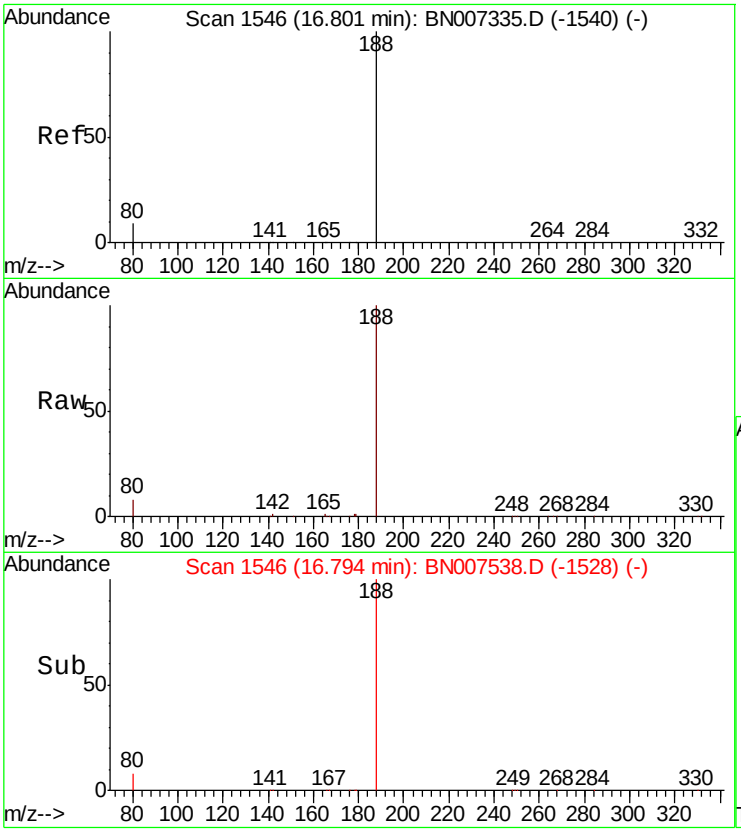


#18
Fluorene
Concen: 0.404 ng
RT: 15.09 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:166 Resp: 29541

Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.0	118.4
167	13.6	10.6	15.8



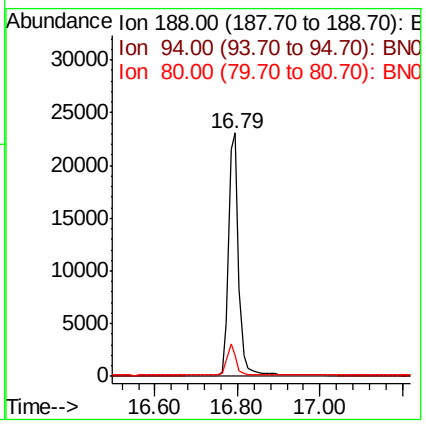


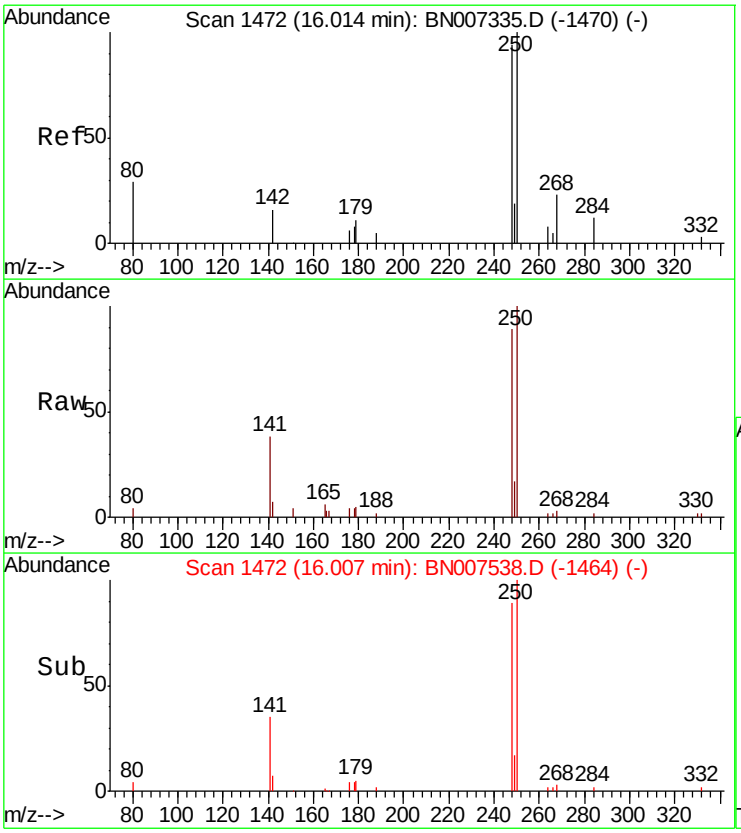
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:188 Resp: 40309

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.5	11.8	17.8#

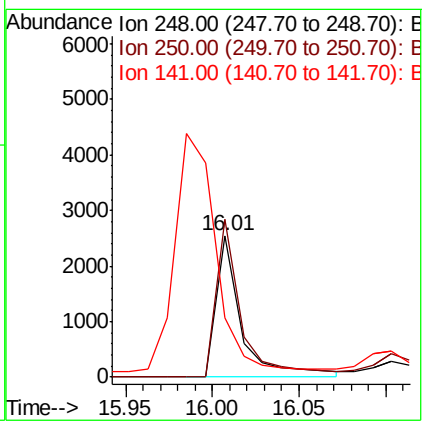


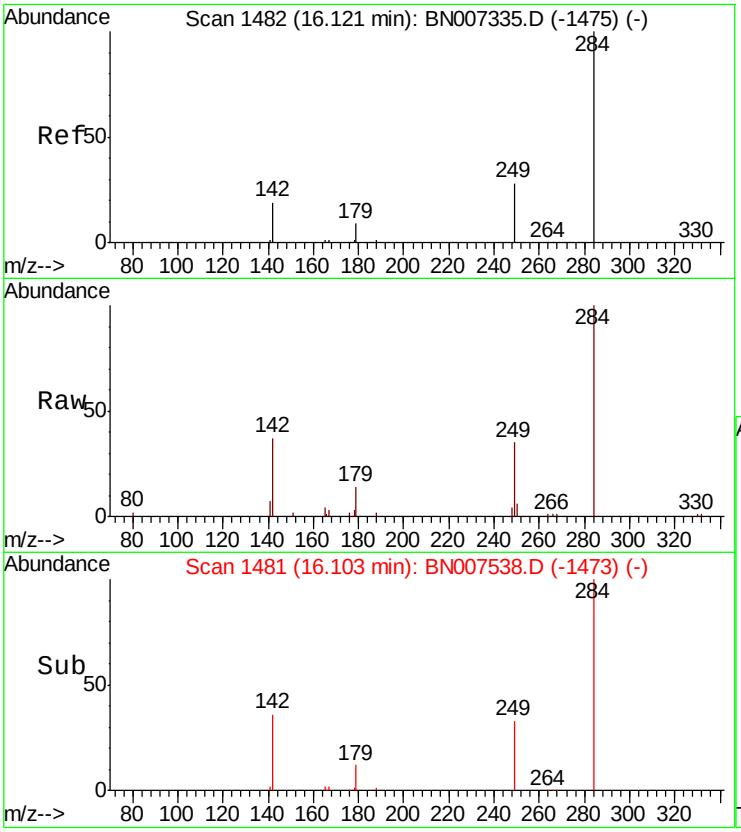


#20
4-Bromophenyl-phenylether
Concen: 0.160 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:248 Resp: 2551

Ion	Ratio	Lower	Upper
248	100		
250	111.9	85.0	127.6
141	42.4	51.7	77.5#



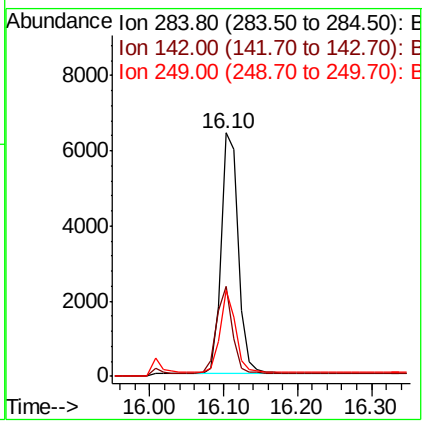


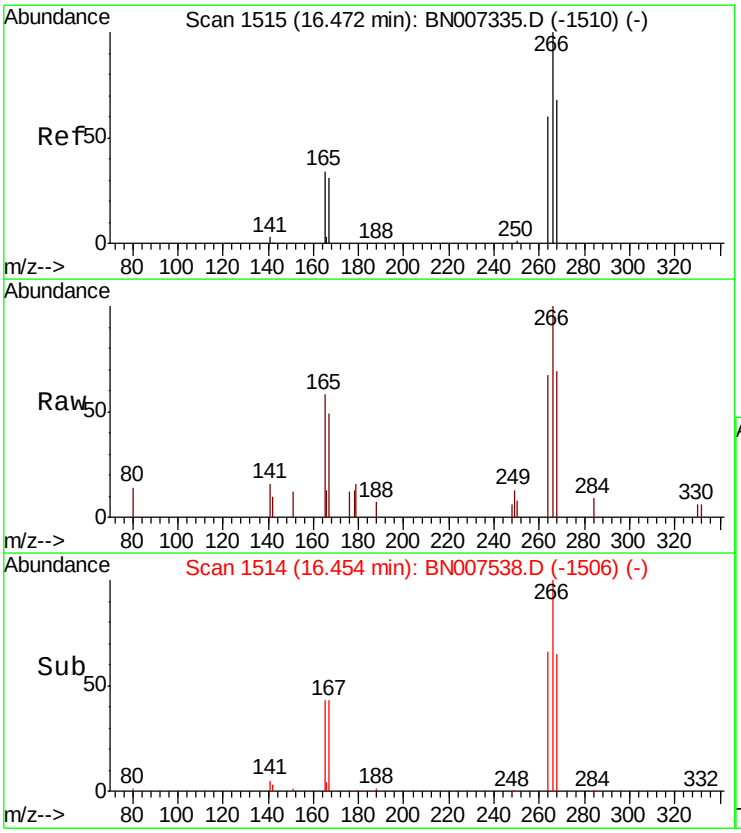
#21
Hexachlorobenzene
Concen: 0.391 ng
RT: 16.10 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:284 Resp: 10554

Ion	Ratio	Lower	Upper
284	100		
142	33.4	29.0	43.6
249	30.8	24.9	37.3

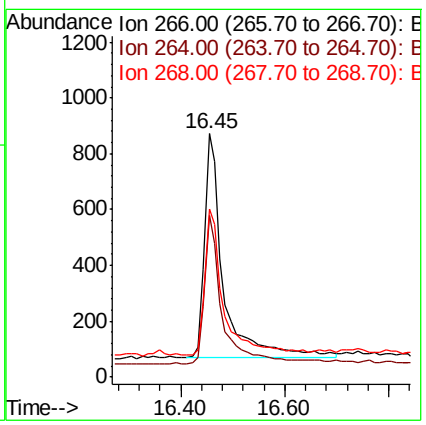


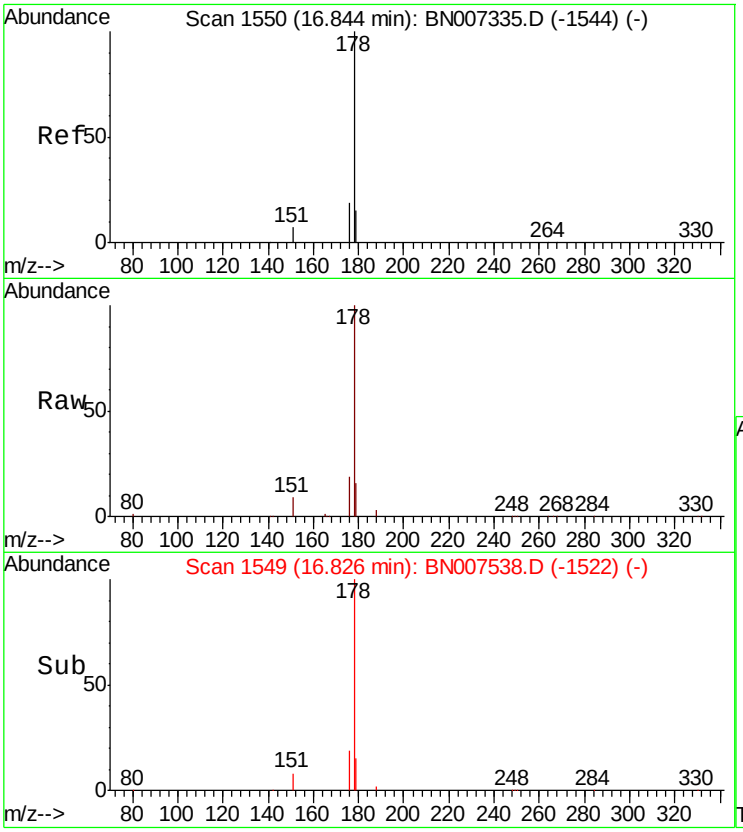


#22
Pentachlorophenol
Concen: 0.245 ng
RT: 16.45 min Scan# 1514
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:266 Resp: 2057

Ion	Ratio	Lower	Upper
266	100		
264	66.5	57.8	86.8
268	69.2	99.7	149.5#



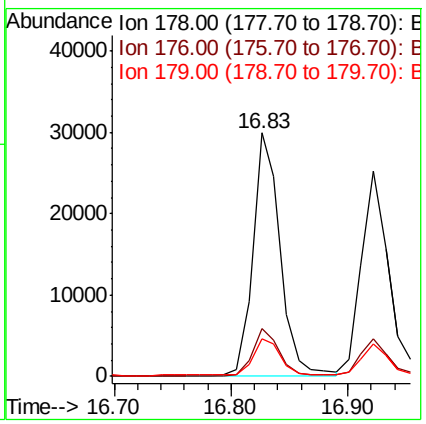


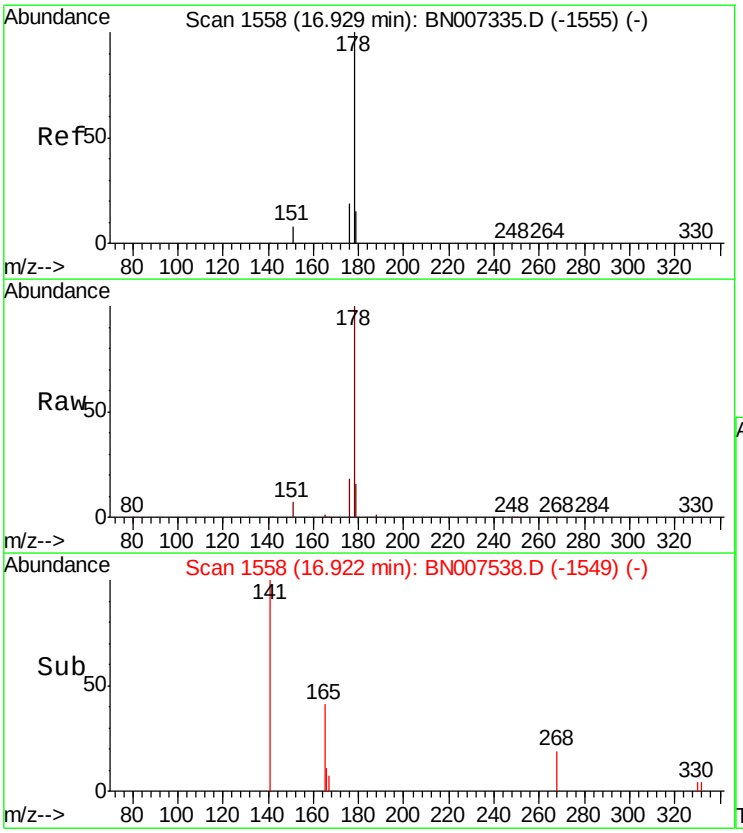
#23
Phenanthrene
Concen: 0.396 ng
RT: 16.83 min Scan# 1549
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:178 Resp: 48038

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.5	12.6	19.0

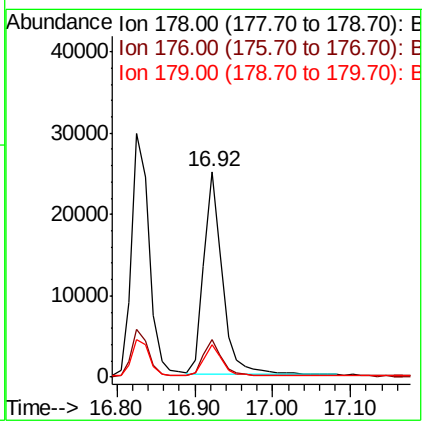


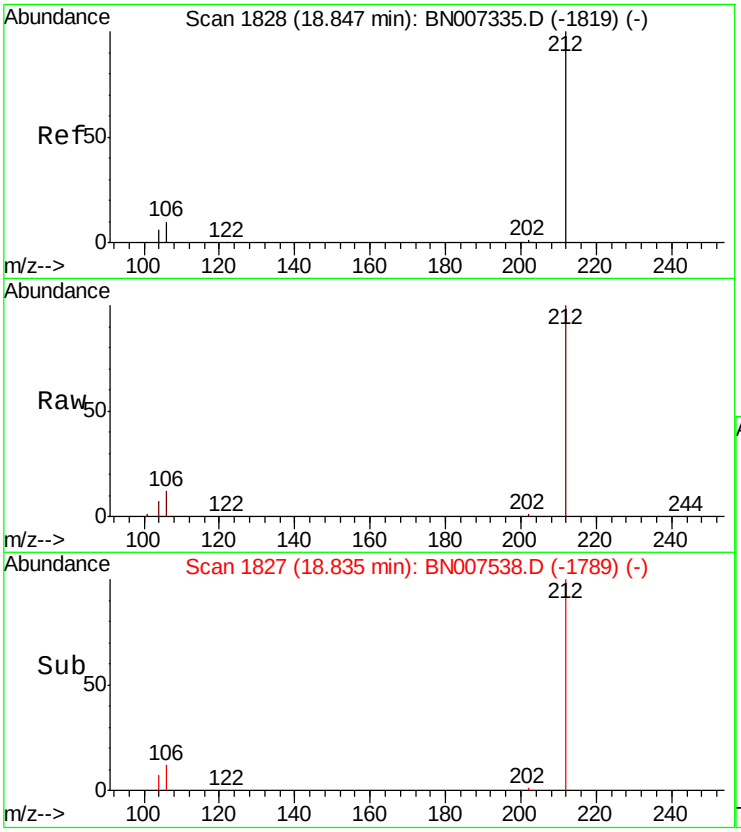


#24
Anthracene
Concen: 0.341 ng
RT: 16.92 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:178 Resp: 41567

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.5	12.4	18.6



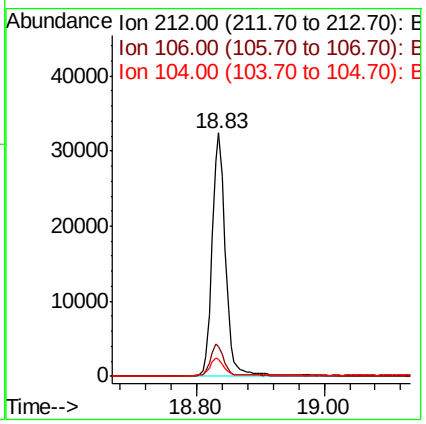


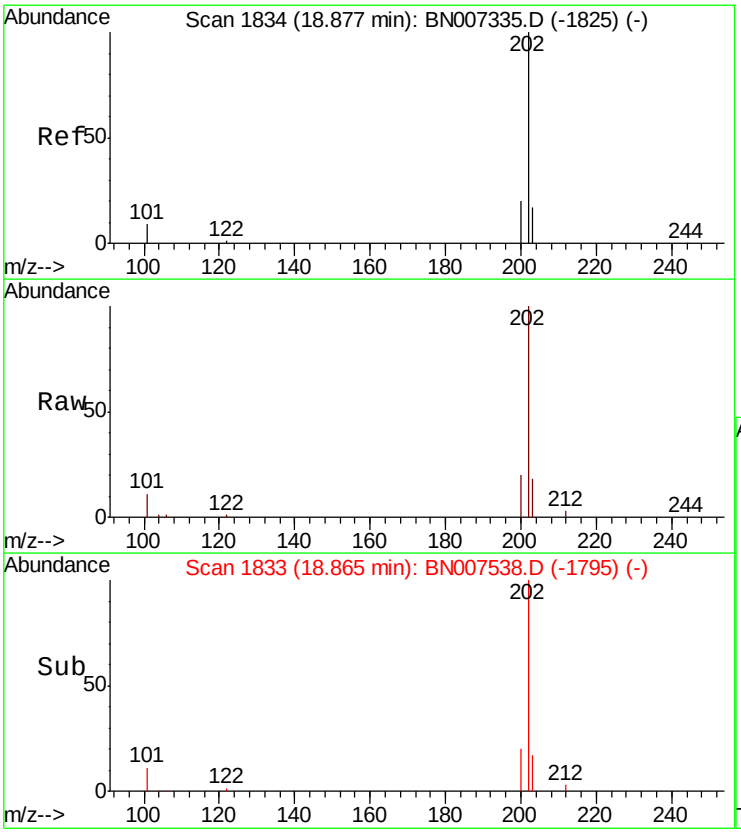
#25
Fluoranthene-d10
Concen: 0.361 ng
RT: 18.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:212 Resp: 46878

Ion	Ratio	Lower	Upper
212	100		
106	12.9	9.0	13.4
104	7.2	5.4	8.2

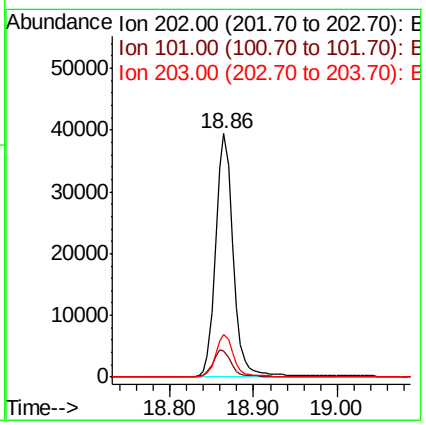


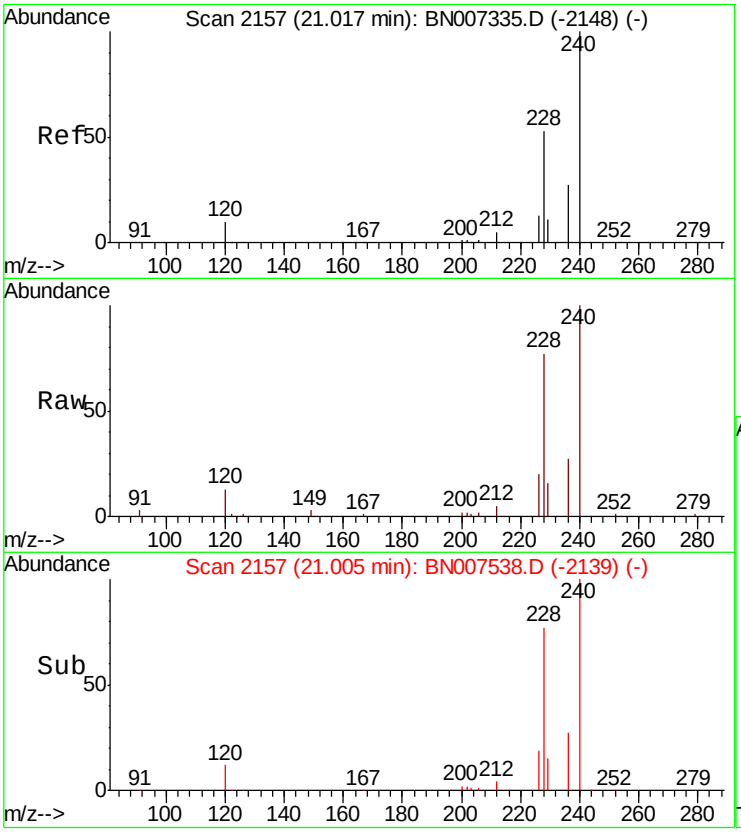


#26
Fluoranthene
Concen: 0.367 ng
RT: 18.86 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:202 Resp: 57107

Ion	Ratio	Lower	Upper
202	100		
101	11.1	7.7	11.5
203	17.2	13.7	20.5



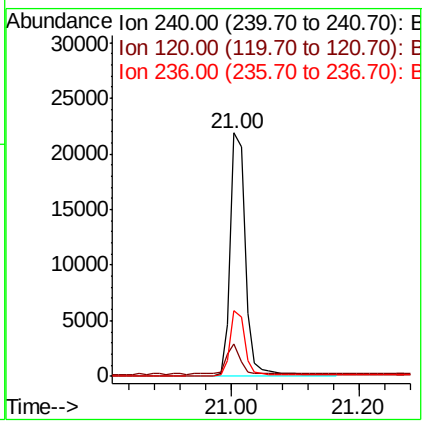


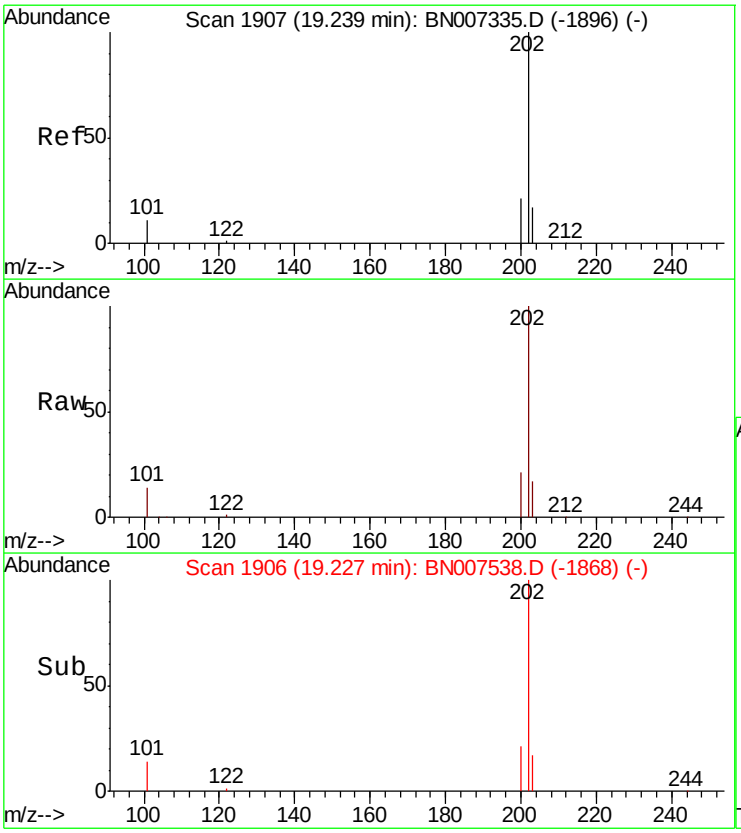
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:240 Resp: 35847

Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.6	14.4
236	27.1	22.2	33.2

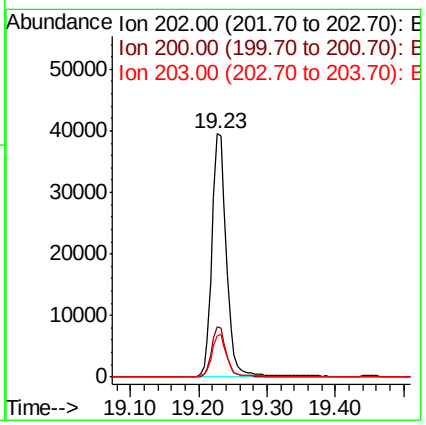


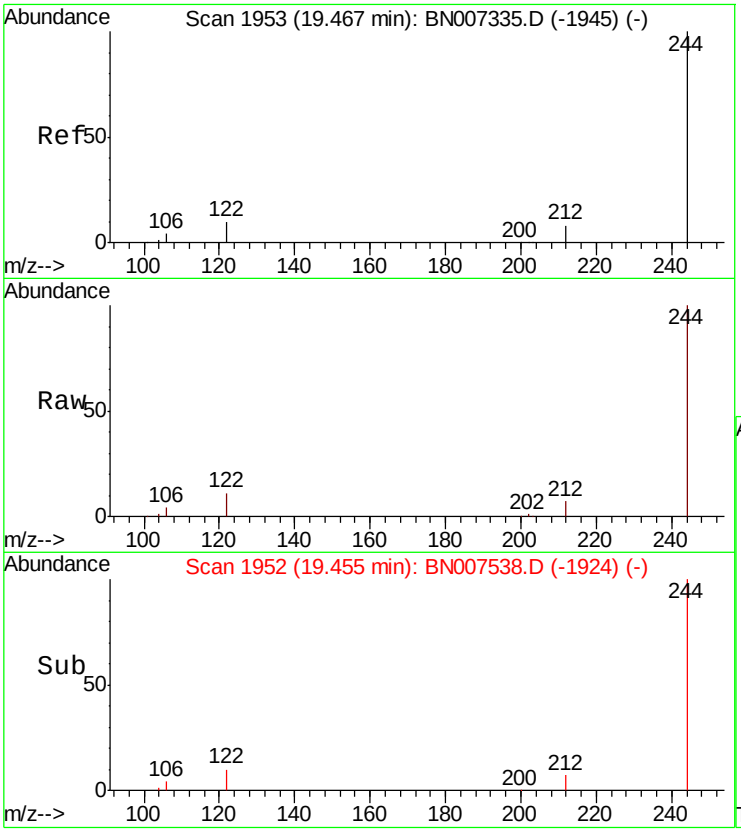


#28
Pyrene
Concen: 0.404 ng
RT: 19.23 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:202 Resp: 58203

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	17.5	14.2	21.4



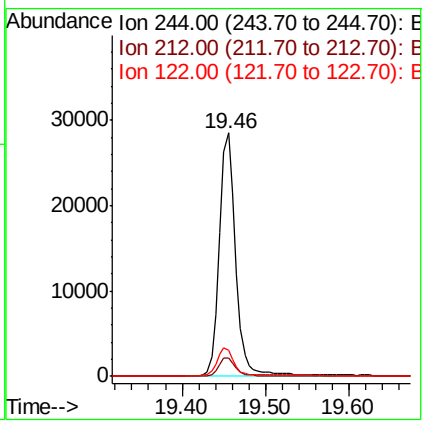


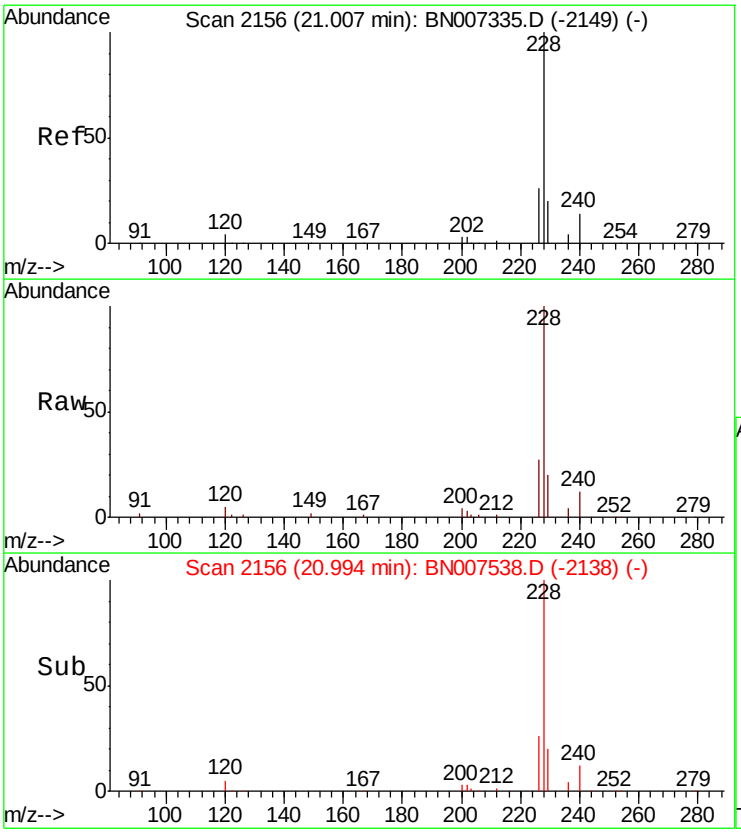
#29
Terphenyl-d14
Concen: 0.411 ng
RT: 19.46 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:244 Resp: 38591

Ion	Ratio	Lower	Upper
244	100		
212	7.5	7.0	10.6
122	10.7	9.6	14.4

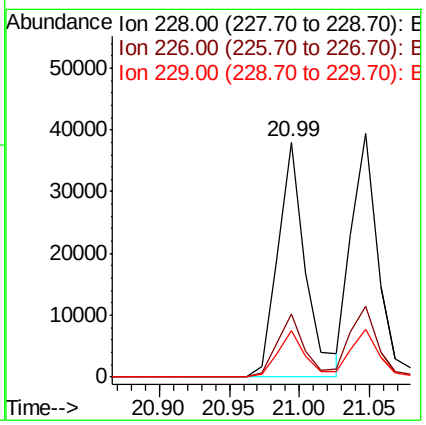


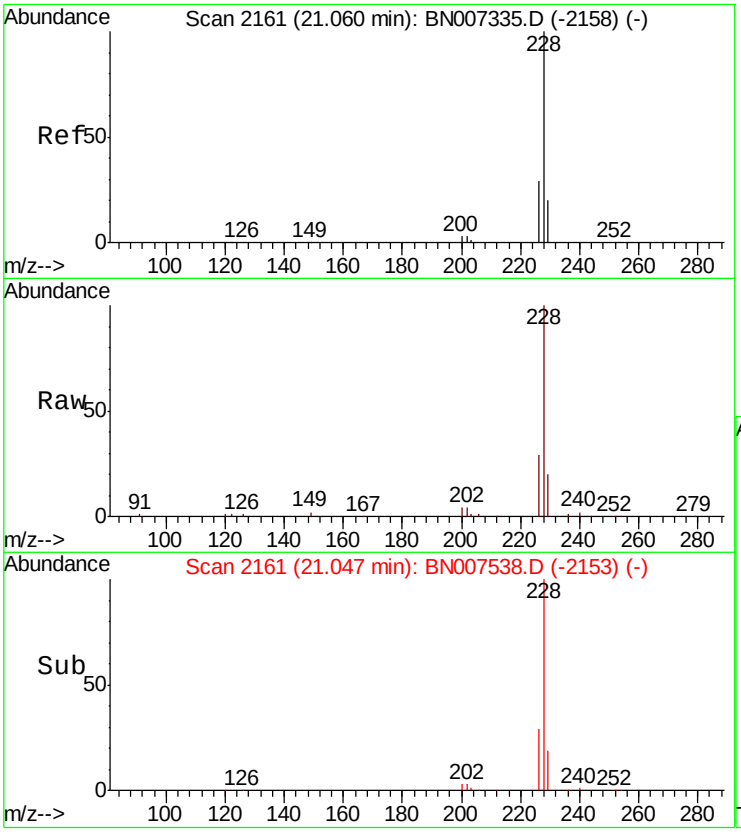


#30
Benzo(a)anthracene
Concen: 0.373 ng
RT: 20.99 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:228 Resp: 52526

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.3	31.9
229	20.0	16.1	24.1



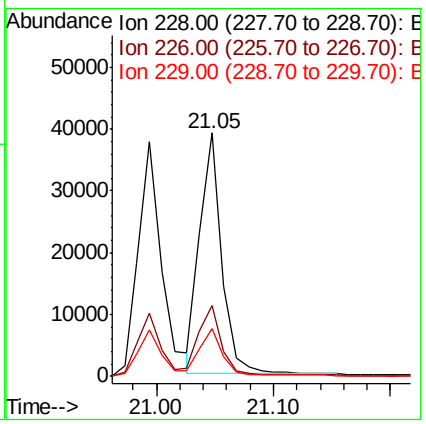


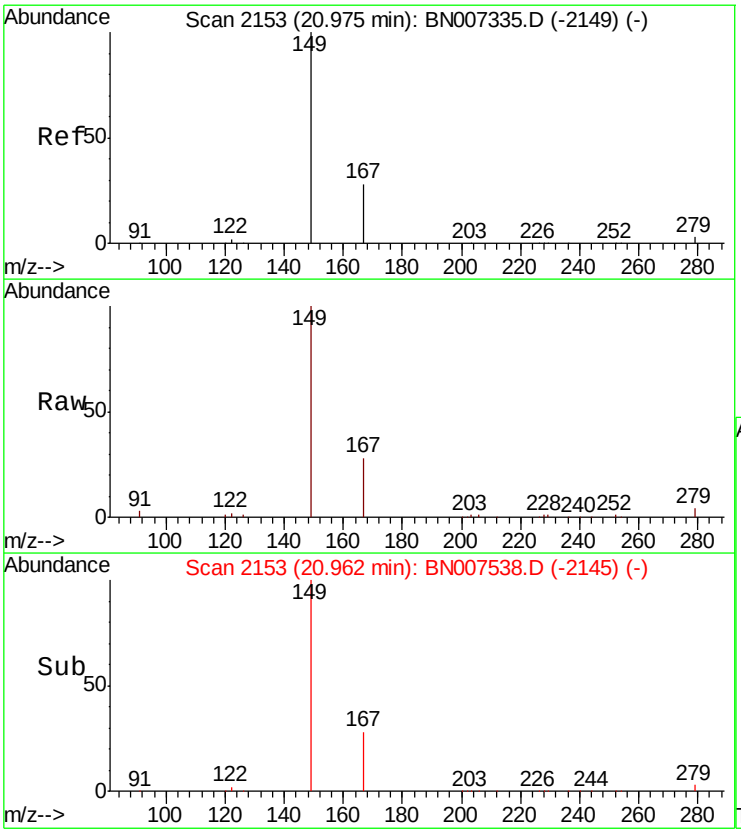
#31
Chrysene
Concen: 0.380 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:228 Resp: 51698

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.5	35.3
229	19.7	16.6	24.8

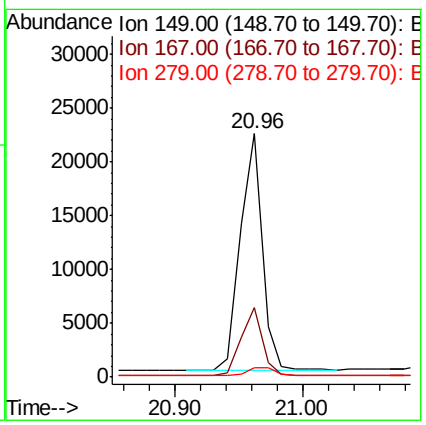


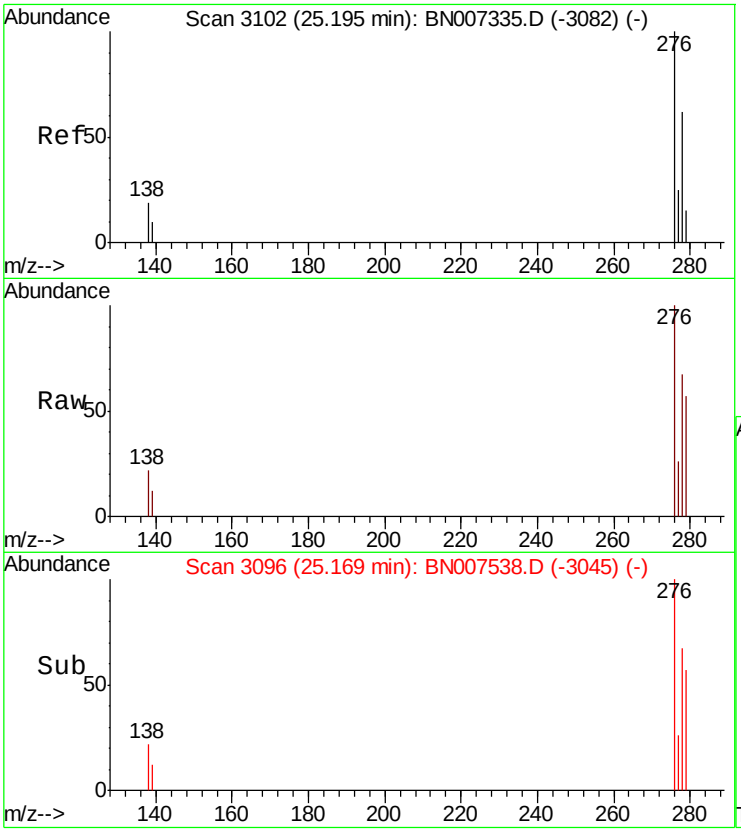


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.272 ng
RT: 20.96 min Scan# 2153
Delta R.T. -0.01 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:149 Resp: 26488

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.8	34.2
279	4.0	3.5	5.3



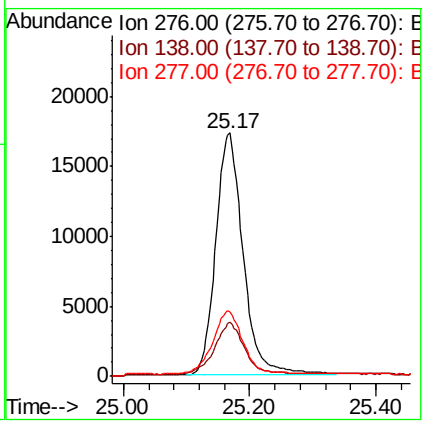


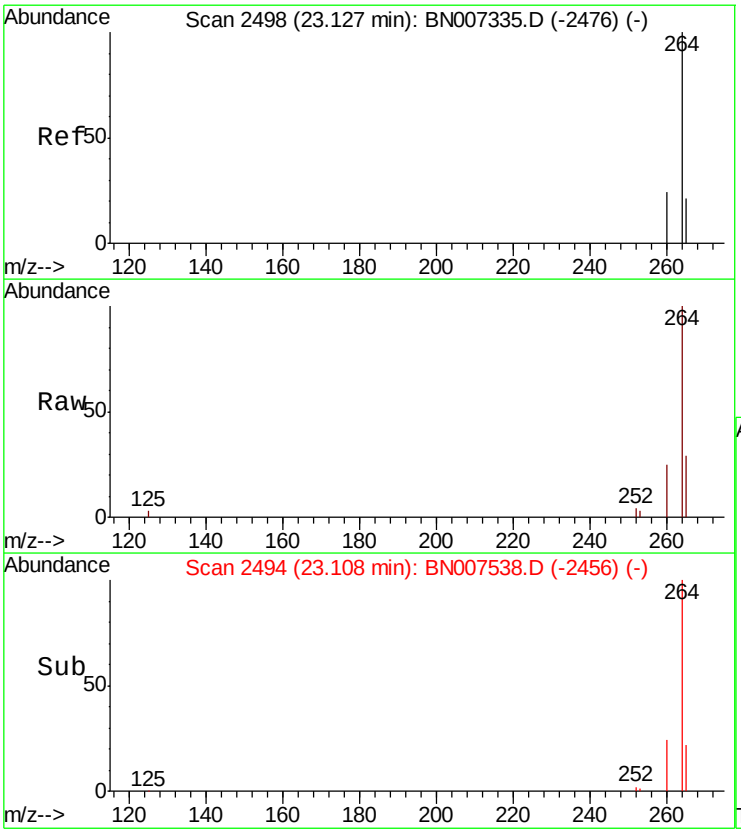
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.319 ng
RT: 25.17 min Scan# 3096
Delta R.T. -0.03 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:276 Resp: 52225

Ion	Ratio	Lower	Upper
276	100		
138	22.7	15.1	22.7
277	28.4	19.7	29.5

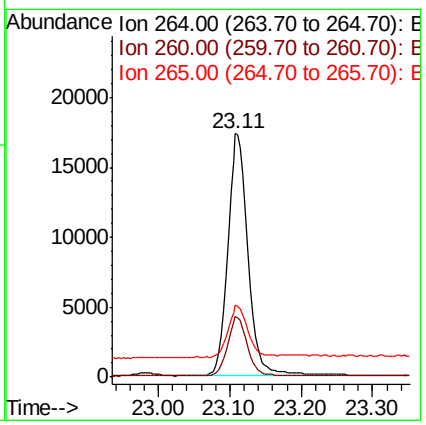


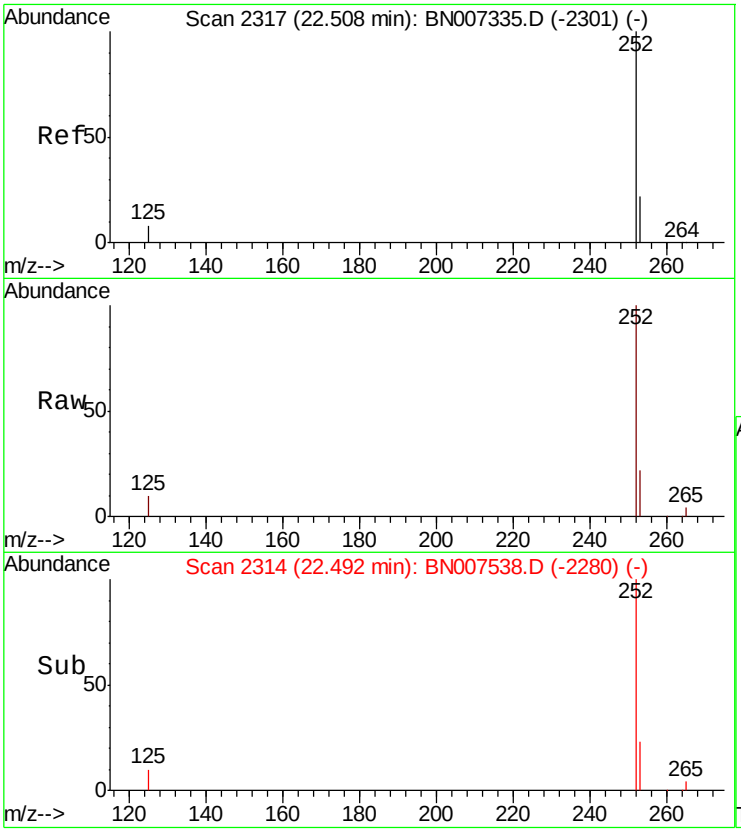


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.11 min Scan# 2494
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:264 Resp: 34006

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	29.4	29.9	44.9#



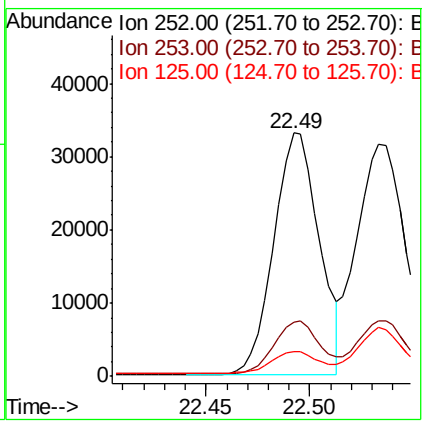


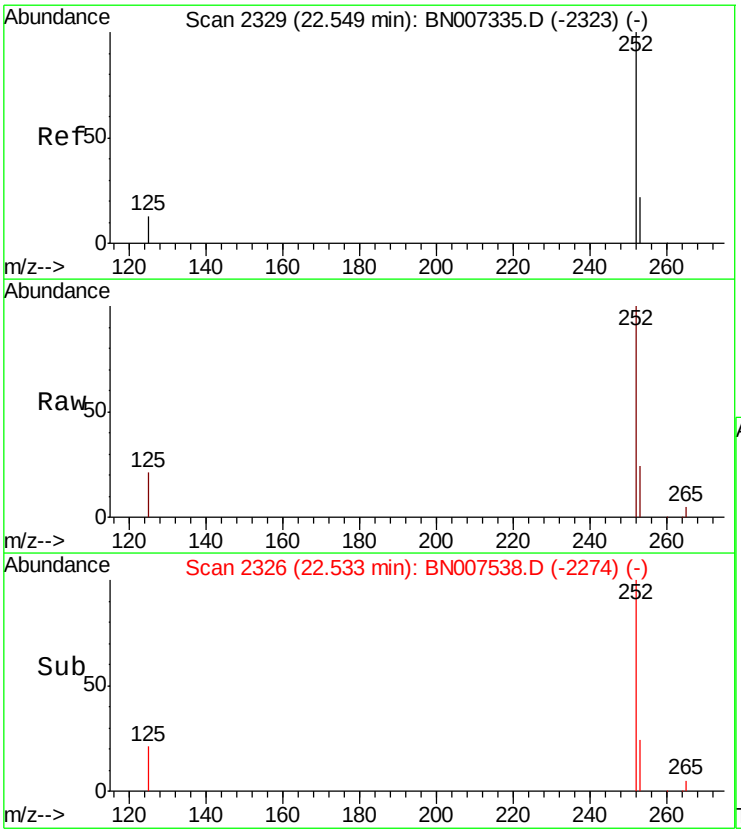
#35
Benzo(b)fluoranthene
Concen: 0.406 ng
RT: 22.49 min Scan# 2314
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:252 Resp: 50059

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.2	28.8
125	10.4	10.6	16.0#

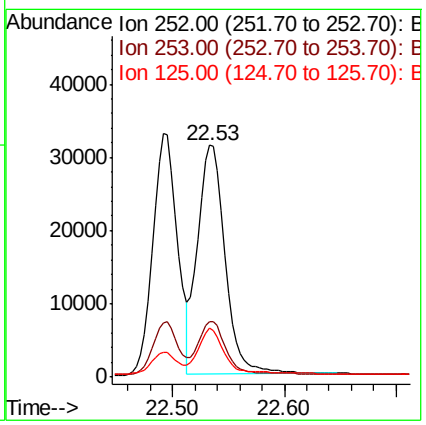


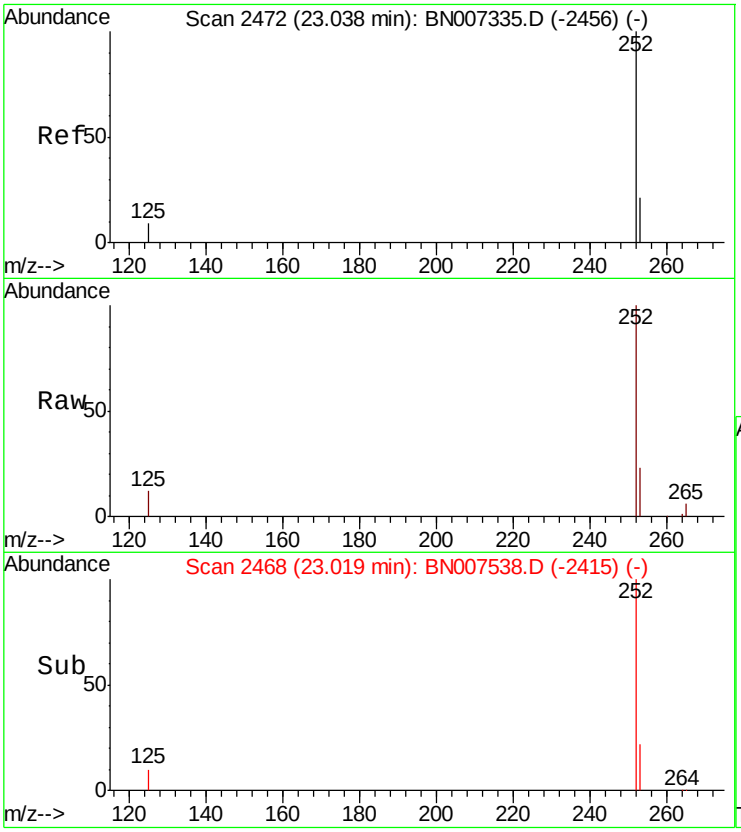


#36
Benzo(k)fluoranthene
Concen: 0.440 ng
RT: 22.53 min Scan# 2326
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:252 Resp: 53554

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.4	29.2
125	21.0	13.1	19.7#



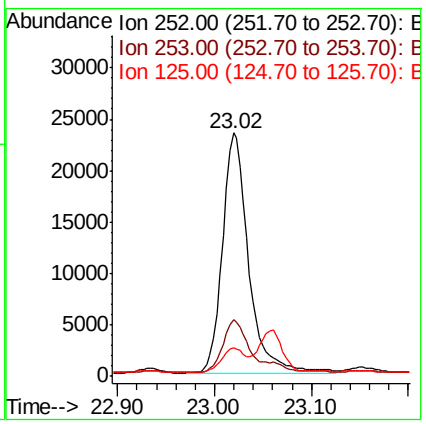


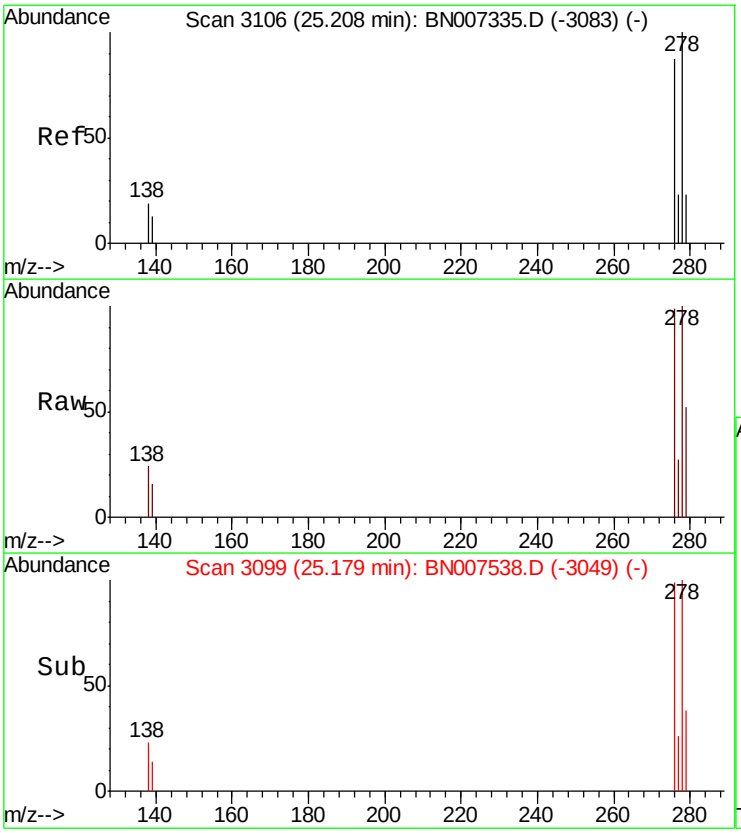
#37
Benzo(a)pyrene
Concen: 0.376 ng
RT: 23.02 min Scan# 2468
Delta R.T. -0.02 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:252 Resp: 44119

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.5	29.3
125	11.8	12.1	18.1#

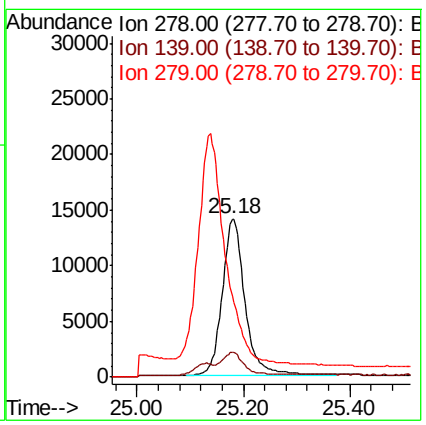


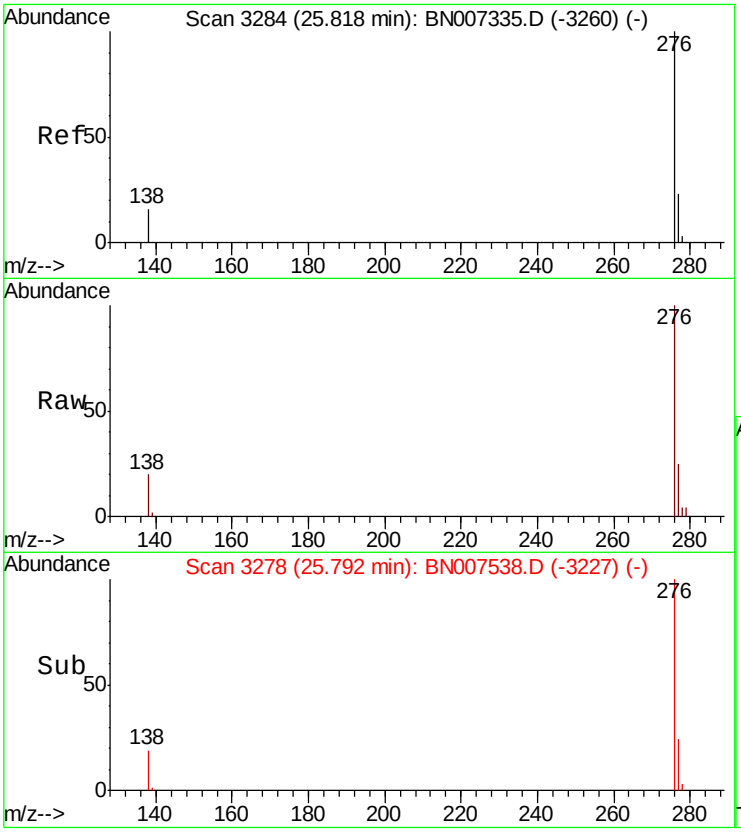


#38
Dibenzo(a,h)anthracene
Concen: 0.359 ng
RT: 25.18 min Scan# 3099
Delta R.T. -0.03 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Tgt Ion:278 Resp: 42038

Ion	Ratio	Lower	Upper
278	100		
139	15.7	13.7	20.5
279	51.5	20.2	30.4#





#39
Benzo(g,h,i)perylene
Concen: 0.365 ng
RT: 25.79 min Scan# 3278
Delta R.T. -0.03 min
Lab File: BN007538.D
Acq: 05 Sep 2019 18:16

Instrument :
BNA_N
ClientSampleId :
PB122822BSD

Tgt Ion:276 Resp: 42574

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.6	29.4
138	20.1	16.3	24.5