Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\
Data File : BN007507.D
Acq On : 29 Aug 2019 18:06
Operator : HP/JU
Sample : PB122591BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB122591BS

Quant Time: Aug 30 01:59:16 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	5801	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	25848	0.40	ng		-0.01
13) Acenaphthene-d10	14.04	164	17161	0.40	ng		-0.01
19) Phenanthrene-d10	16.79	188	46783	0.40	ng		-0.01
27) Chrysene-d12	21.02	240	48768	0.40	ng		0.00
34) Perylene-d12	23.12	264	47008	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.03	112	7436	0.37	ng		0.00
5) Phenol-d6	6.59	99	11726	0.46	ng		0.00
8) Nitrobenzene-d5	8.53	82	8711	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	11.75	152	18366	0.43	ng		-0.01
14) 2,4,6-Tribromophenol	15.55	330	4001	0.45	ng		-0.01
15) 2-Fluorobiphenyl	12.66	172	22075	0.32	ng		0.00
25) Fluoranthene-d10	18.84	212	53082	0.35	ng		0.00
29) Terphenyl-d14	19.46	244	42389	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.00	88	2264	0.235	ng	#	77
3) n-Nitrosodimethylamine	3.30	42	1691	0.378	ng		95
6) bis(2-Chloroethyl)ether	6.83	93	7149	0.341	ng		94
9) Naphthalene	10.20	128	23465	0.318	ng	#	91
10) Hexachlorobutadiene	10.51	225	3996	0.264	ng	#	100
12) 2-Methylnaphthalene	11.83	142	17940	0.357	ng		96
16) Acenaphthylene	13.75	152	31240	0.308	ng		99
17) Acenaphthene	14.11	154	19922	0.335	ng		93
18) Fluorene	15.10	166	27129	0.361	ng		98
20) 4-Bromophenyl-phenylether	16.01	248	1017	0.055	ng		89
21) Hexachlorobenzene	16.11	284	9021	0.288	ng		96
22) Pentachlorophenol	16.46	266	6733	0.691	ng	#	64
23) Phenanthrene	16.83	178	46722	0.332	ng		99
24) Anthracene	16.93	178	46314	0.327	ng		99
26) Fluoranthene	18.87	202	59562	0.330	ng	#	98
28) Pyrene	19.23	202	61479	0.313	ng		100
30) Benzo(a)anthracene	21.00	228	60050	0.314	ng		98
31) Chrysene	21.05	228	58433	0.316	ng		99
32) Bis(2-ethylhexyl)phthalate	20.96	149	144590	1.148	ng		99
33) Indeno(1,2,3-cd)pyrene	25.18	276	56738	0.255	ng	#	94
35) Benzo(b)fluoranthene	22.50	252	55575	0.326	ng		98
36) Benzo(k)fluoranthene	22.54	252	64888	0.385	ng	#	1
37) Benzo(a)pyrene	23.03	252	52274	0.323	ng		97
38) Dibenzo(a,h)anthracene	25.20	278	46577	0.288	ng		99
39) Benzo(g,h,i)perylene	25.81	276	46839	0.291	ng		99

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

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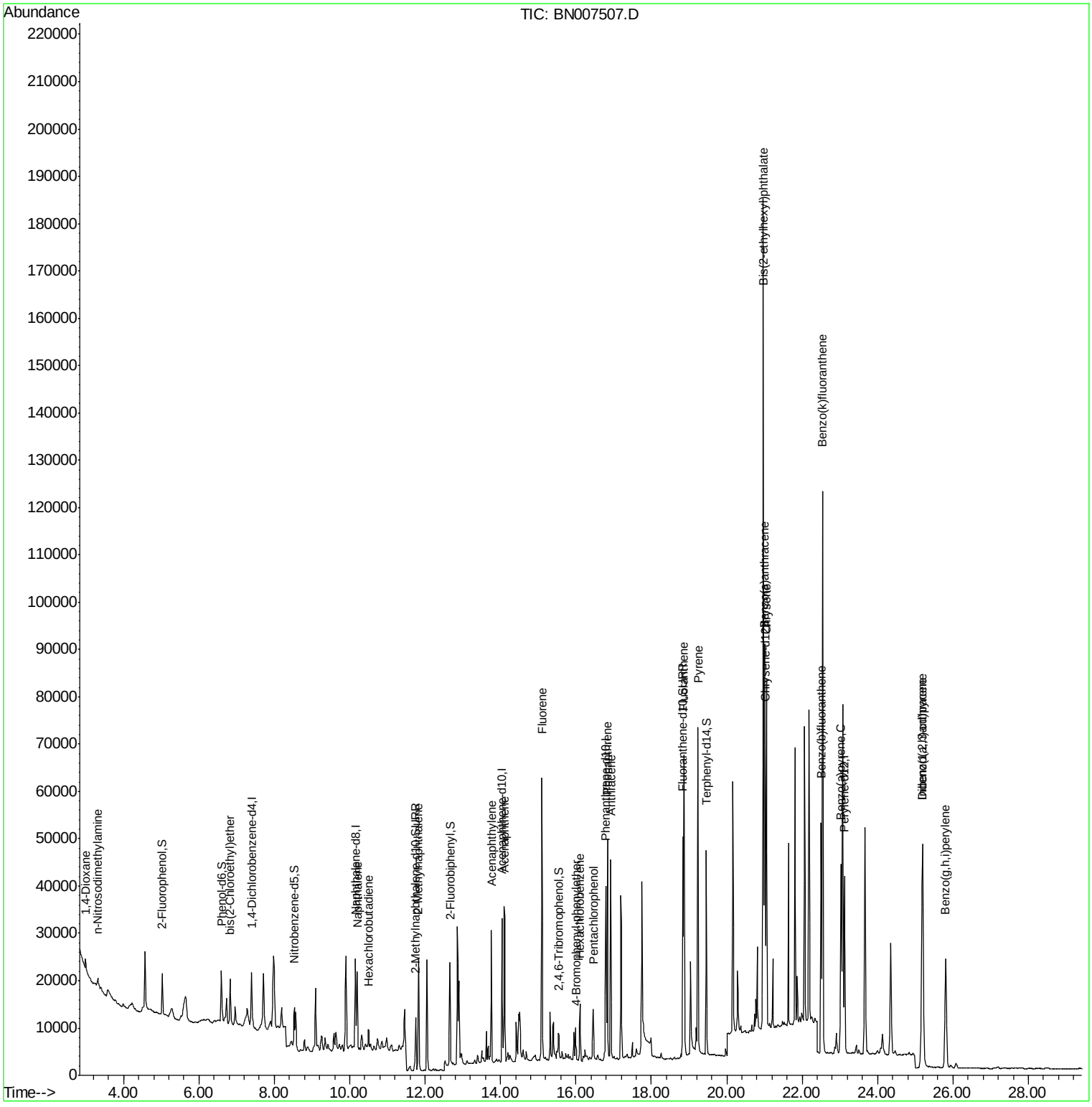
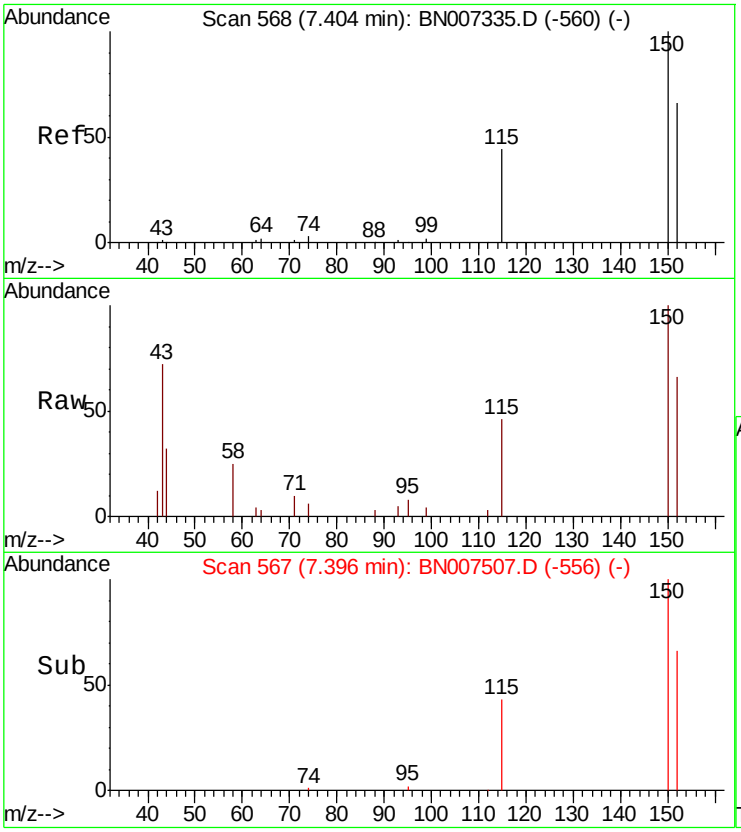
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Quant Time: Aug 30 01:59:16 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



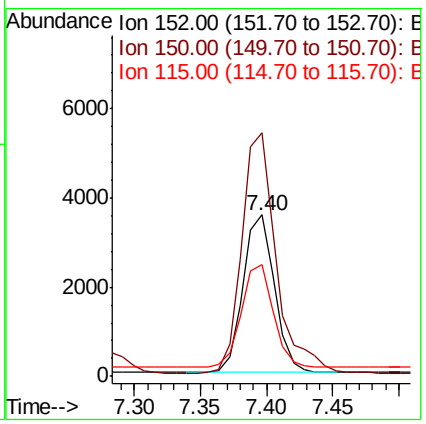


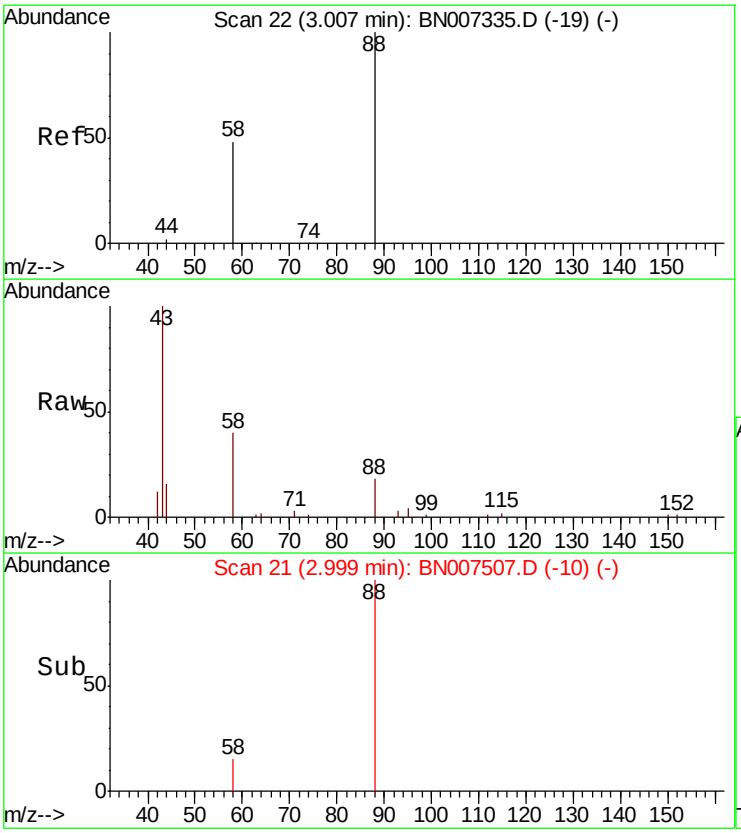
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:152 Resp: 5801

Ion	Ratio	Lower	Upper
152	100		
150	150.7	109.1	163.7
115	68.9	59.6	89.4

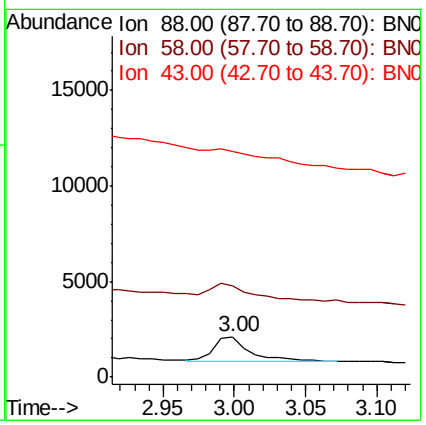


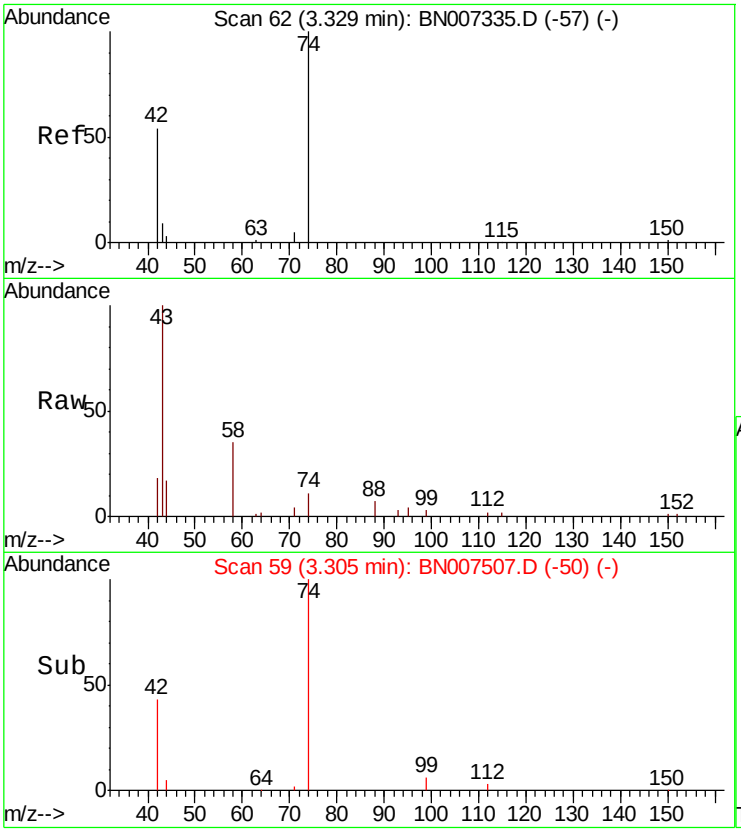


#2
1,4-Dioxane
Concen: 0.235 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion: 88 Resp: 2264

Ion	Ratio	Lower	Upper
88	100		
58	81.0	50.5	75.7#
43	0.0	0.0	0.0



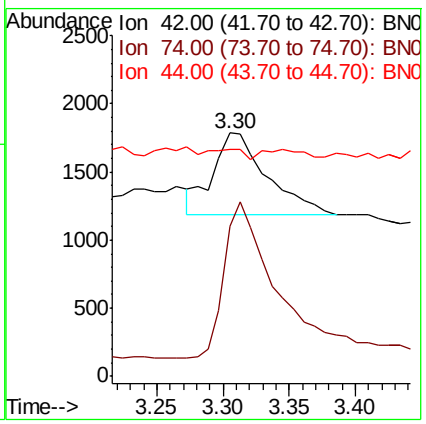


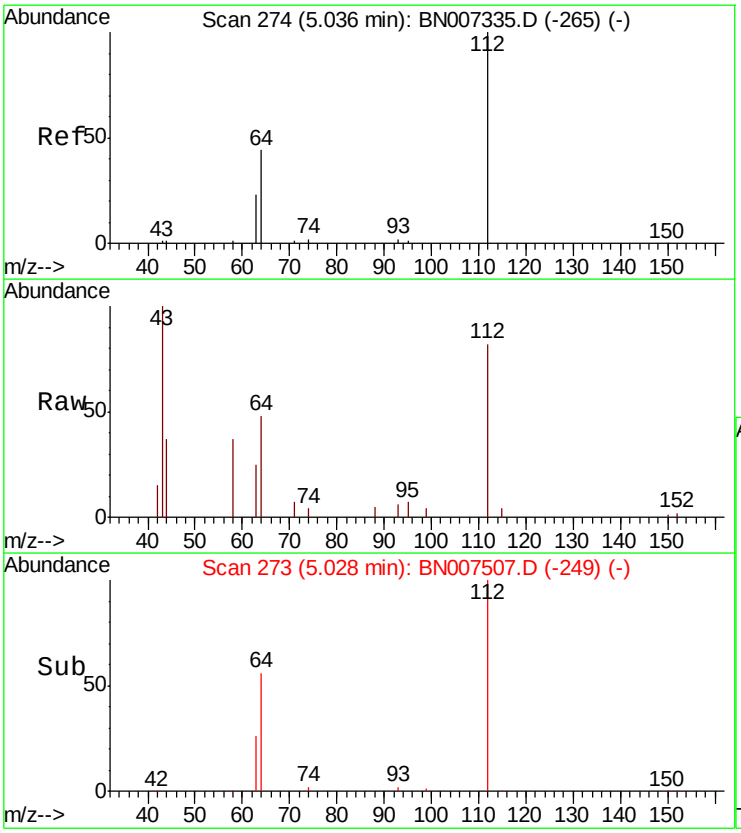
#3
n-Nitrosodimethylamine
Concen: 0.378 ng
RT: 3.30 min Scan# 59
Delta R.T. -0.02 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion: 42 Resp: 1691

Ion	Ratio	Lower	Upper
42	100		
74	188.4	144.7	217.1
44	4.1	3.2	4.8

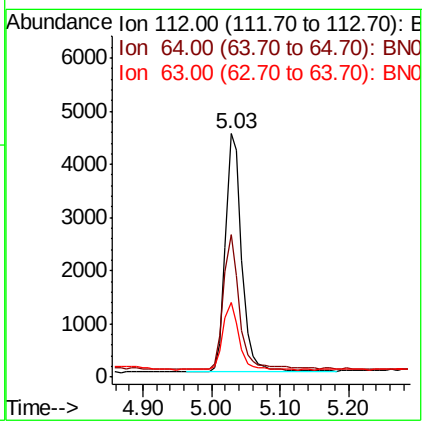


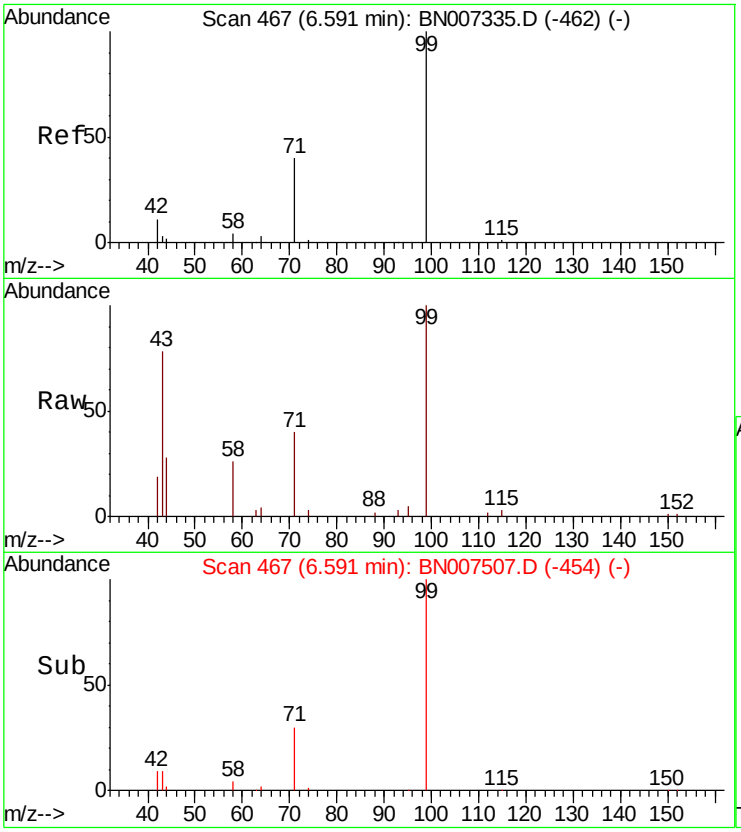


#4
2-Fluorophenol
Concen: 0.367 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:112 Resp: 7436

Ion	Ratio	Lower	Upper
112	100		
64	55.1	42.3	63.5
63	27.1	23.6	35.4



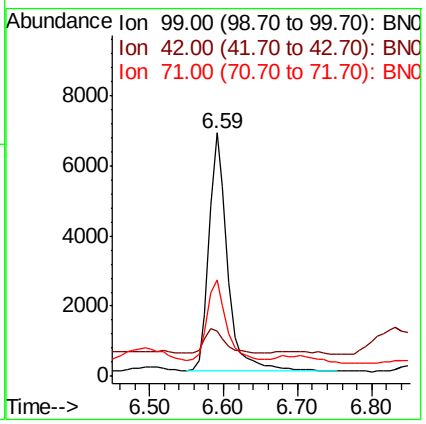


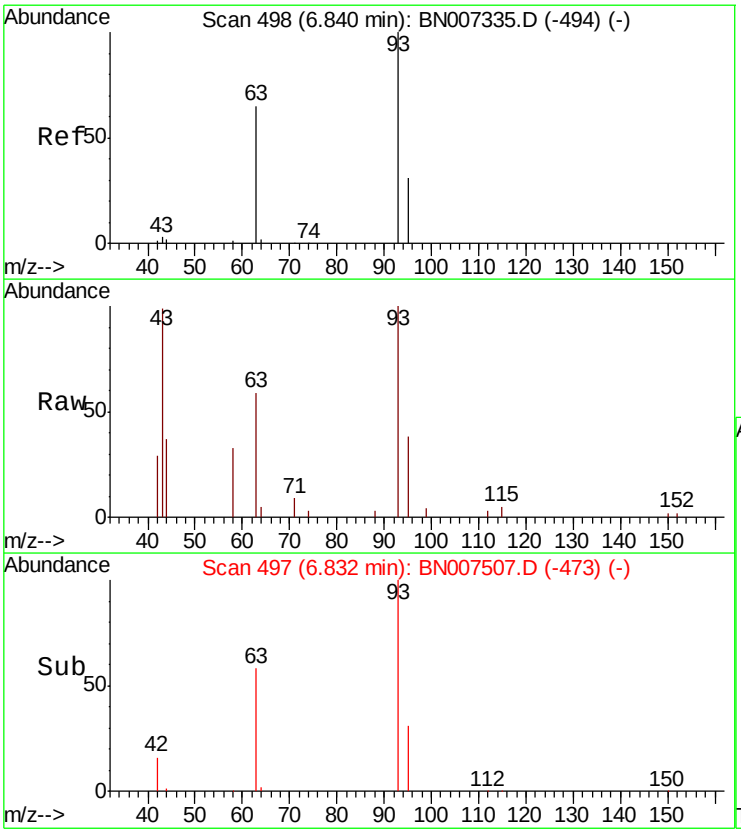
#5
Phenol-d6
Concen: 0.463 ng
RT: 6.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion: 99 Resp: 11726

Ion	Ratio	Lower	Upper
99	100		
42	10.7	11.2	16.8#
71	35.7	31.8	47.8

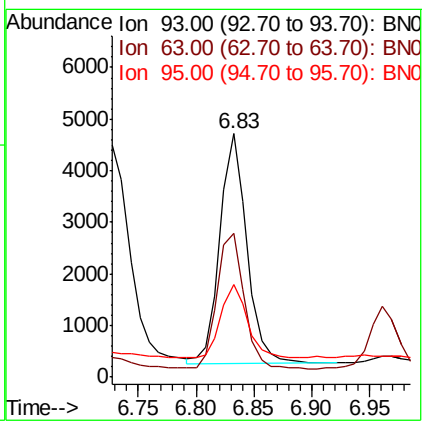


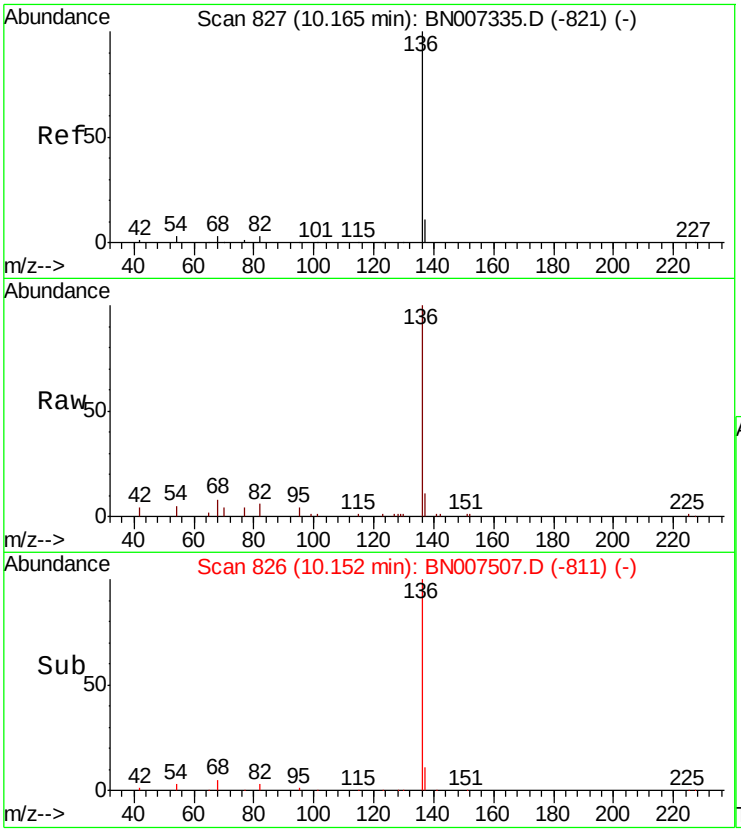


#6
bis(2-Chloroethyl)ether
Concen: 0.341 ng
RT: 6.83 min Scan# 497
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion: 93 Resp: 7149

Ion	Ratio	Lower	Upper
93	100		
63	60.5	51.9	77.9
95	31.2	27.7	41.5



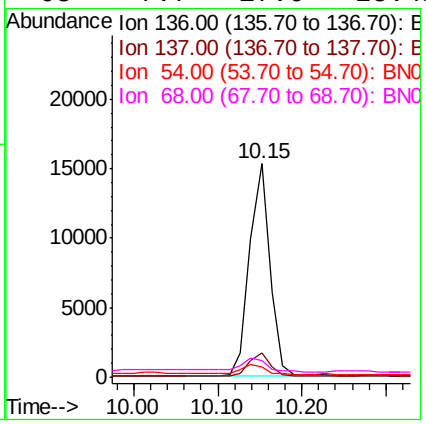


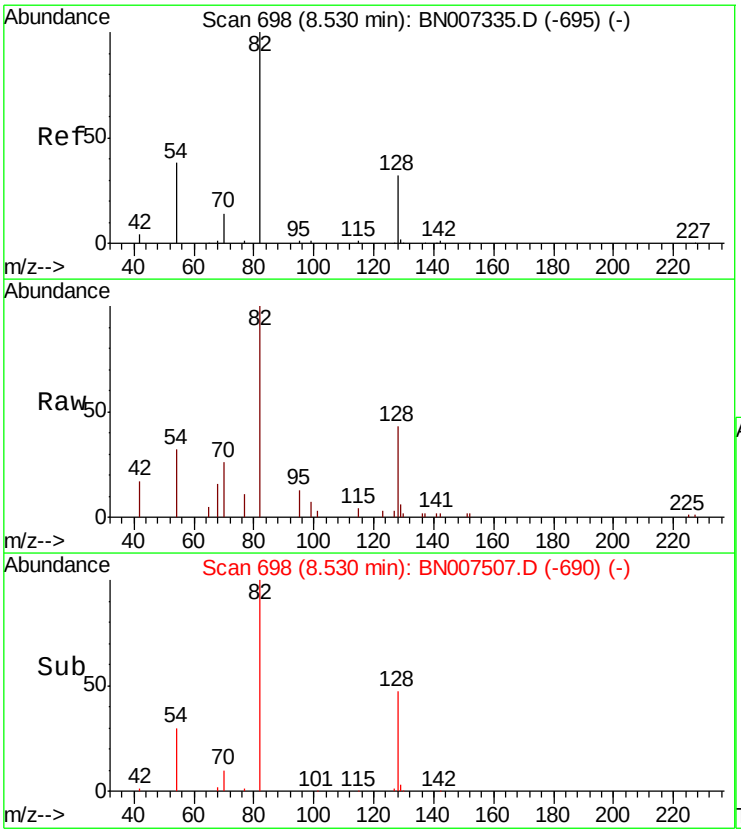
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:136 Resp: 25848

Ion	Ratio	Lower	Upper
136	100		
137	11.4	12.9	19.3#
54	4.7	8.6	12.8#
68	7.7	17.0	25.4#

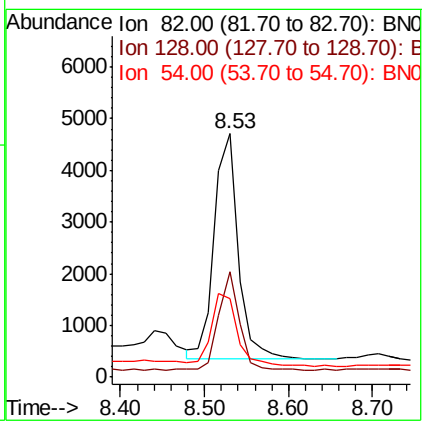


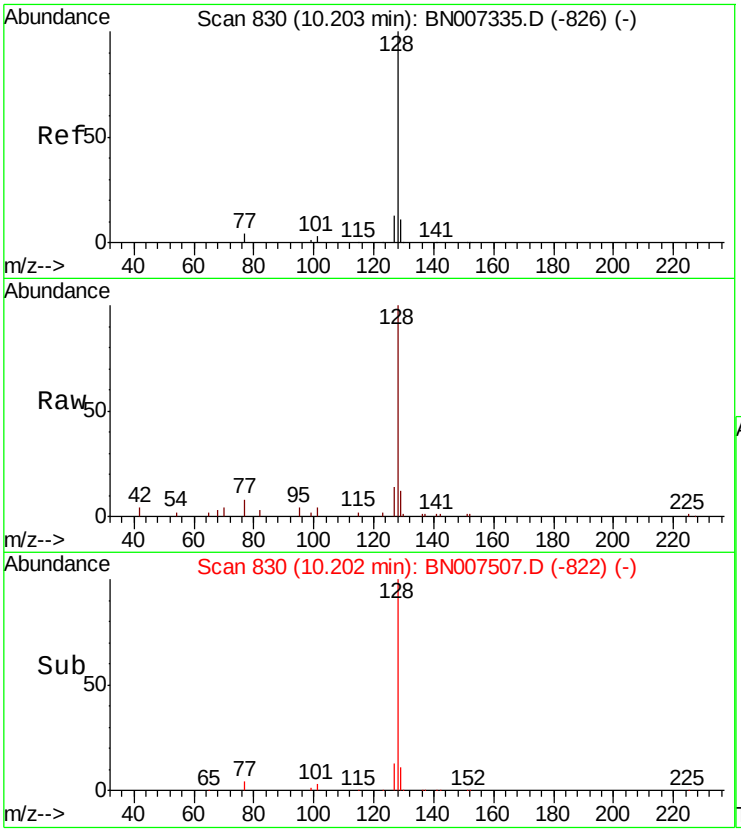


#8
Nitrobenzene-d5
Concen: 0.387 ng
RT: 8.53 min Scan# 698
Delta R.T. 0.00 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion: 82 Resp: 8711

Ion	Ratio	Lower	Upper
82	100		
128	43.3	19.7	29.5#
54	32.4	25.8	38.6



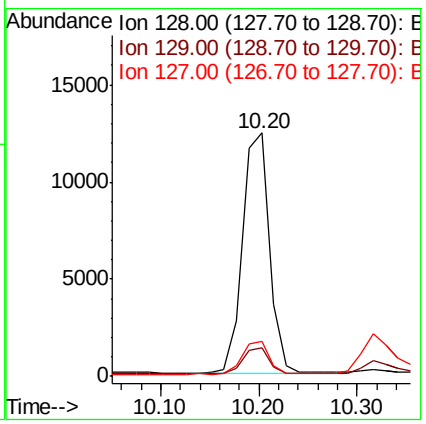


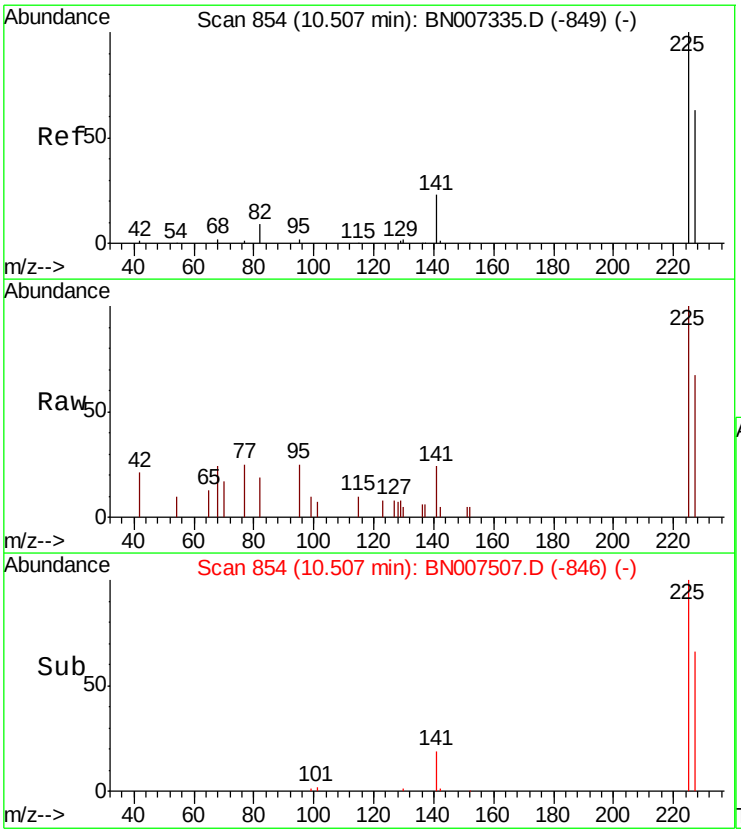
#9
Naphthalene
Concen: 0.318 ng
RT: 10.20 min Scan# 830
Delta R.T. -0.00 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:128 Resp: 23465

Ion	Ratio	Lower	Upper
128	100		
129	11.9	11.1	16.7
127	14.1	15.5	23.3#

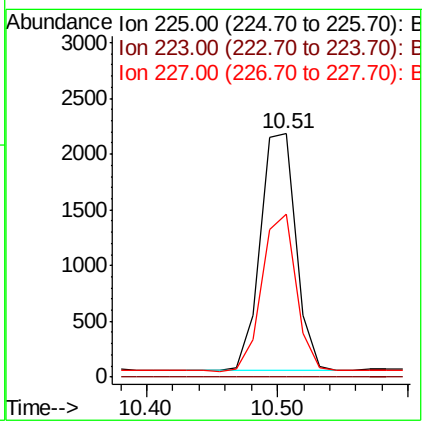


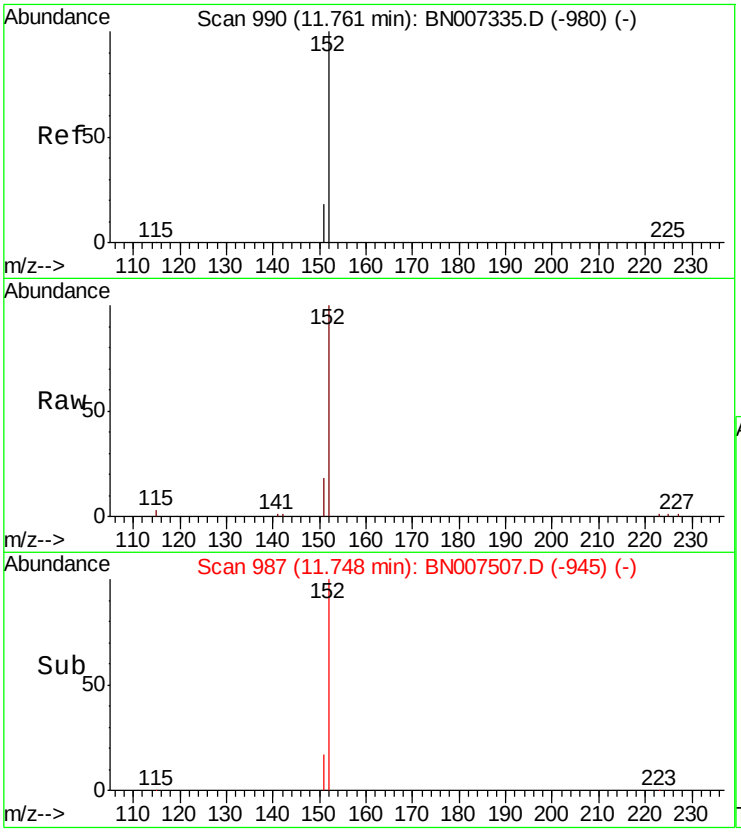


#10
Hexachlorobutadiene
Concen: 0.264 ng
RT: 10.51 min Scan# 854
Delta R.T. -0.00 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:225 Resp: 3996

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.2	50.7	76.1



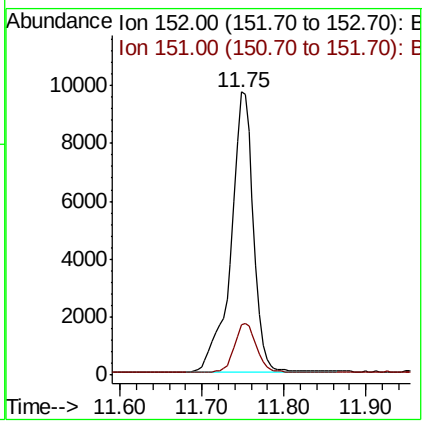


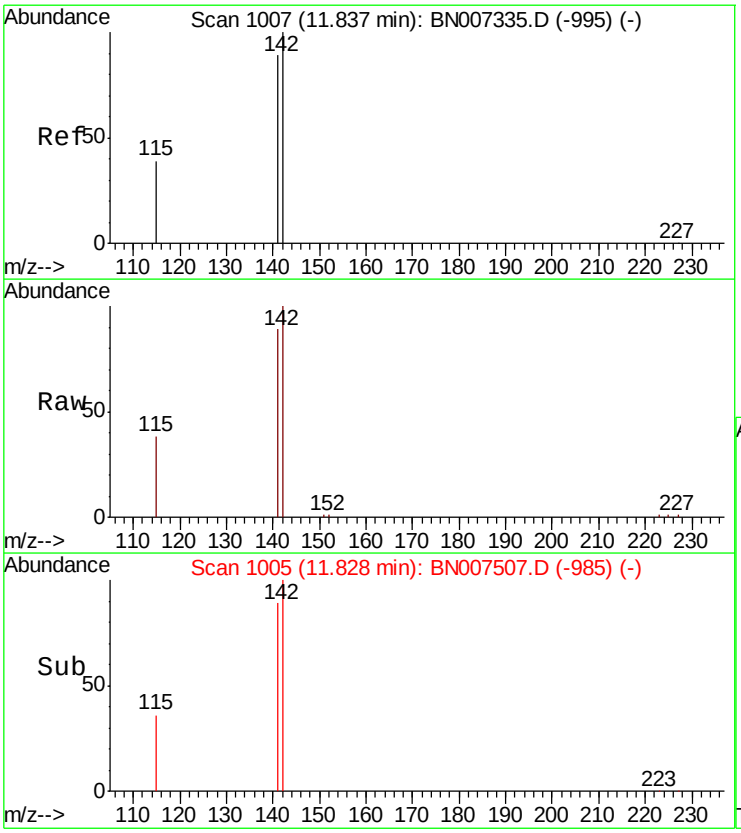
#11
2-Methylnaphthalene-d10
Concen: 0.428 ng
RT: 11.75 min Scan# 987
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:152 Resp: 18366

Ion	Ratio	Lower	Upper
152	100		
151	16.9	16.2	24.2

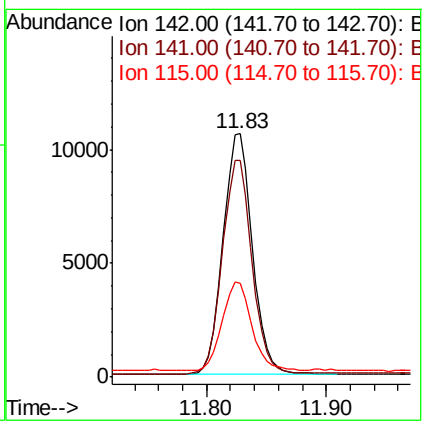


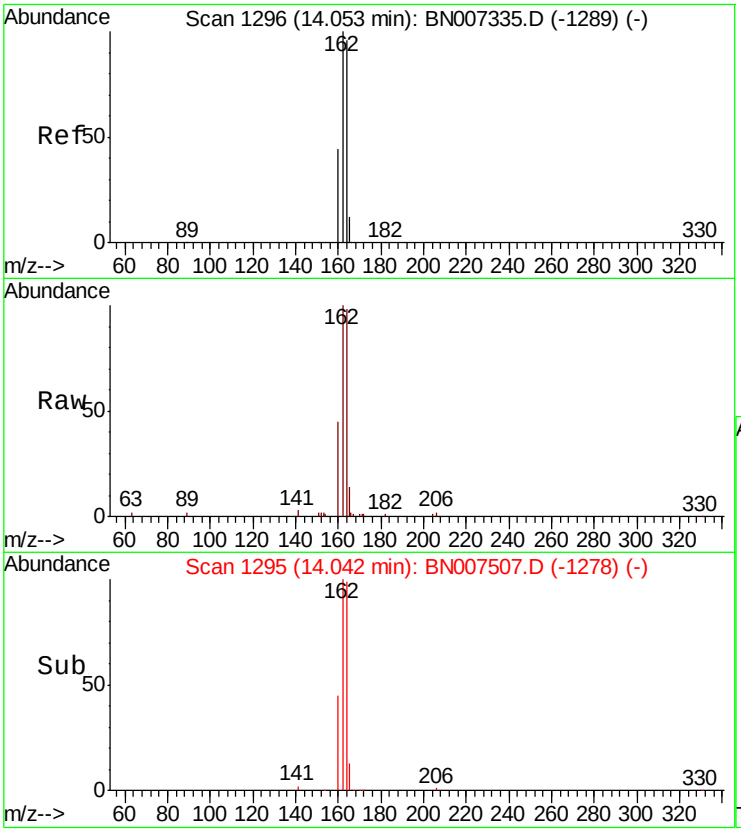


#12
2-Methylnaphthalene
Concen: 0.357 ng
RT: 11.83 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:142 Resp: 17940

Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.8	109.2
115	38.3	35.2	52.8



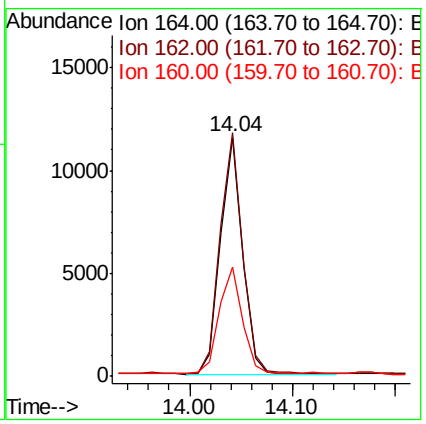


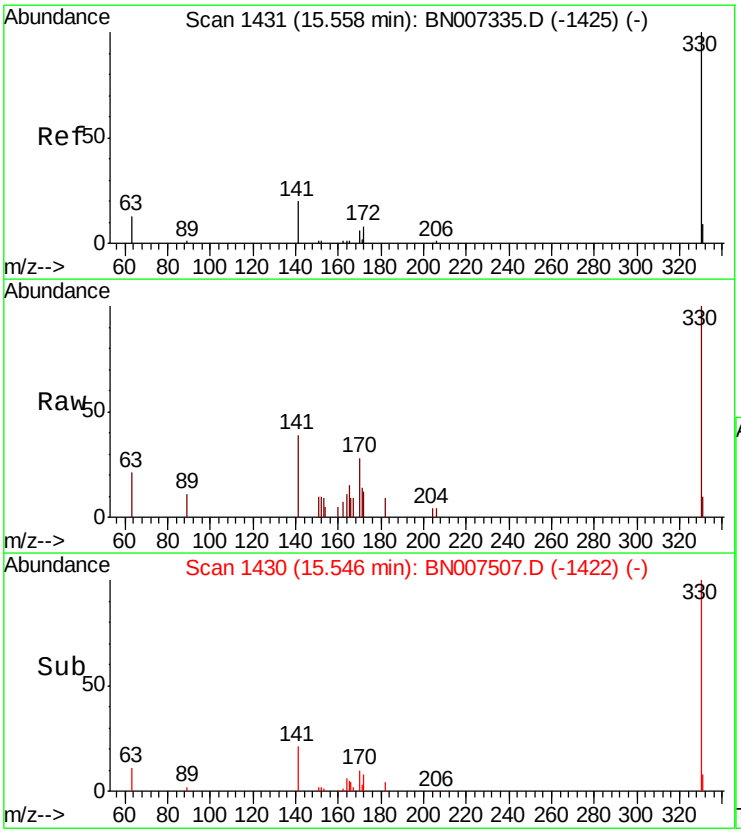
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:164 Resp: 17161

Ion	Ratio	Lower	Upper
164	100		
162	101.8	83.5	125.3
160	45.7	38.2	57.4

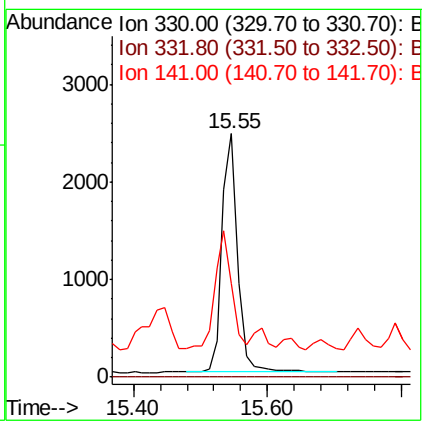


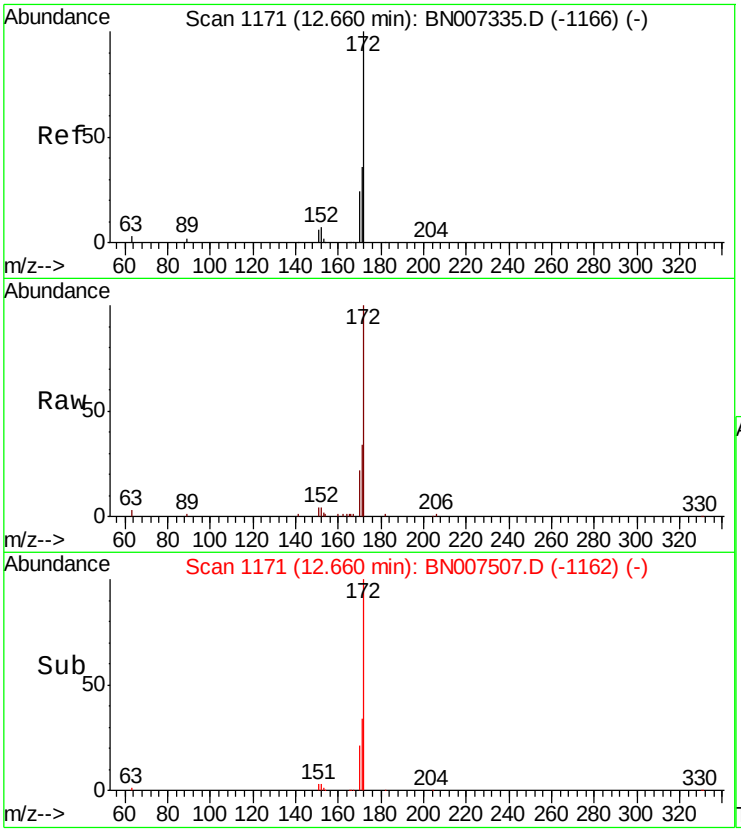


#14
2,4,6-Tribromophenol
Concen: 0.446 ng
RT: 15.55 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:330 Resp: 4001

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	51.6	26.9	40.3#



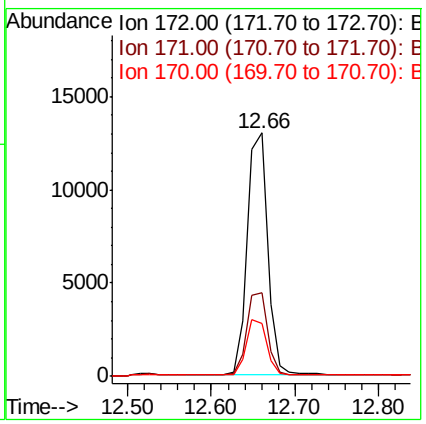


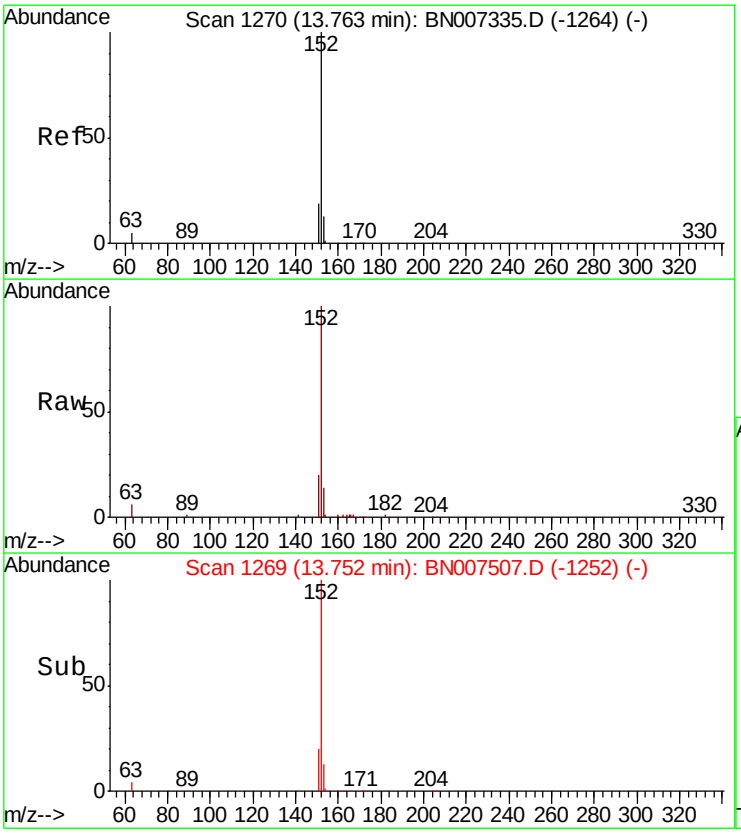
#15
2-Fluorobiphenyl
Concen: 0.319 ng
RT: 12.66 min Scan# 1171
Delta R.T. 0.00 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:172 Resp: 22075

Ion	Ratio	Lower	Upper
172	100		
171	34.1	30.3	45.5
170	21.9	20.7	31.1

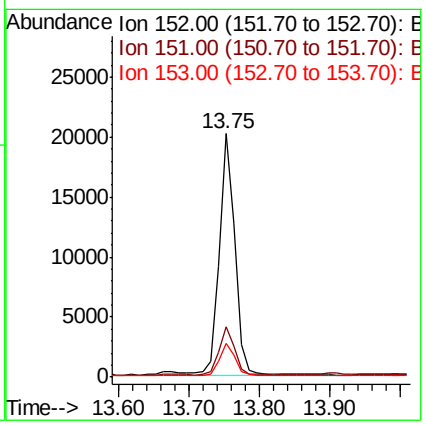


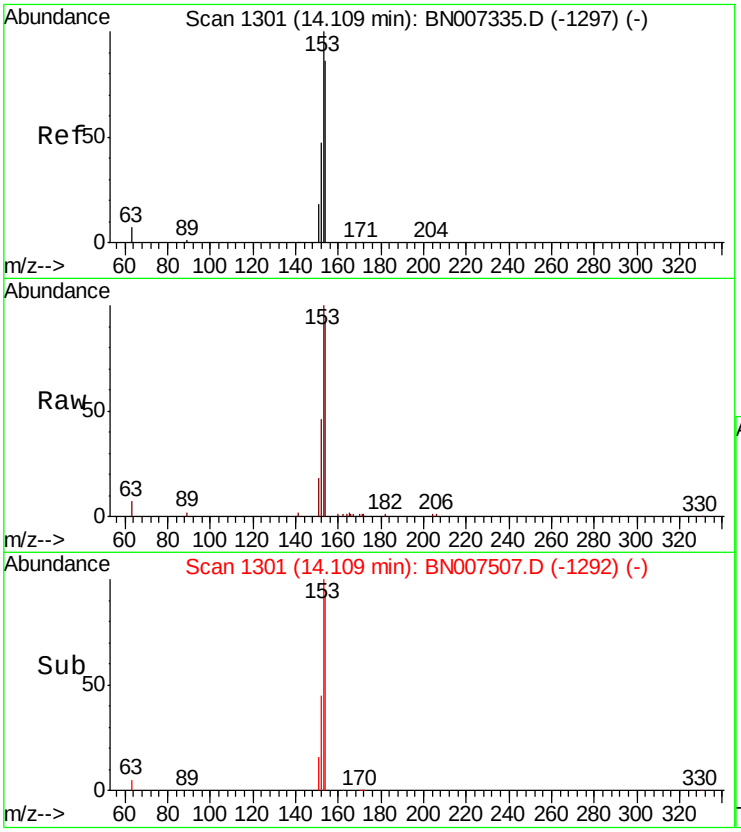


#16
Acenaphthylene
Concen: 0.308 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:152 Resp: 31240

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.1	24.1
153	13.2	10.6	15.8



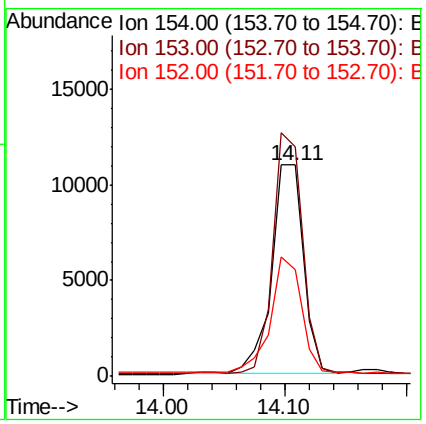


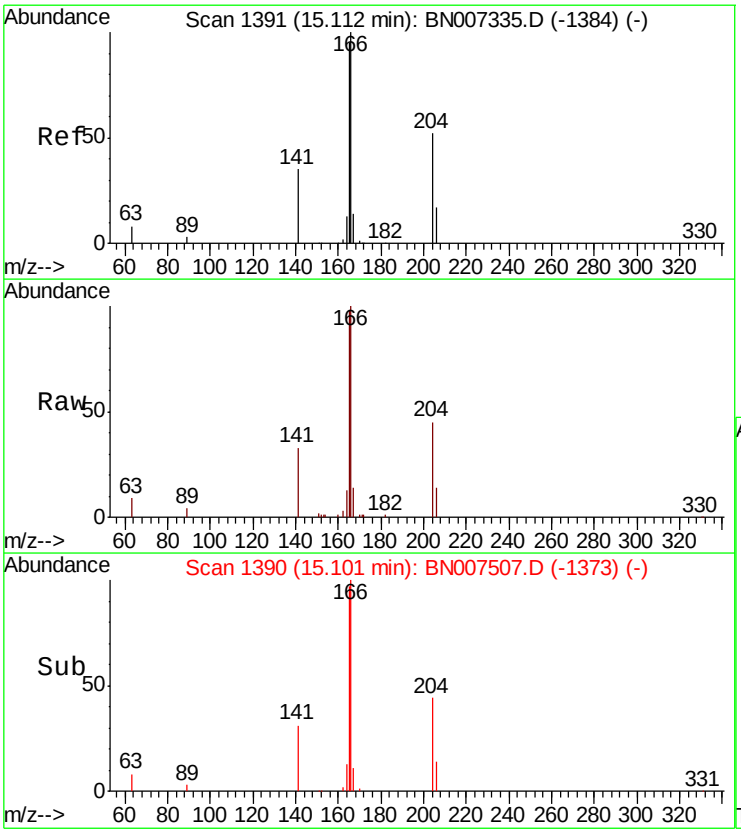
#17
Acenaphthene
Concen: 0.335 ng
RT: 14.11 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:154 Resp: 19922

Ion	Ratio	Lower	Upper
154	100		
153	105.8	92.8	139.2
152	53.7	43.8	65.8

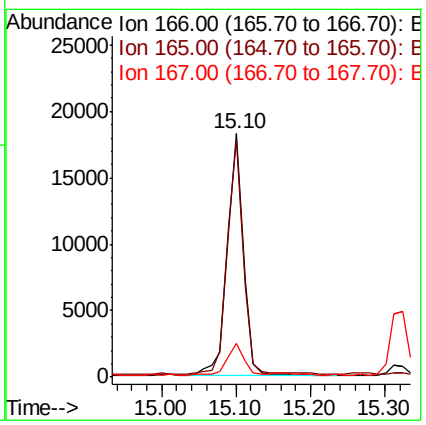


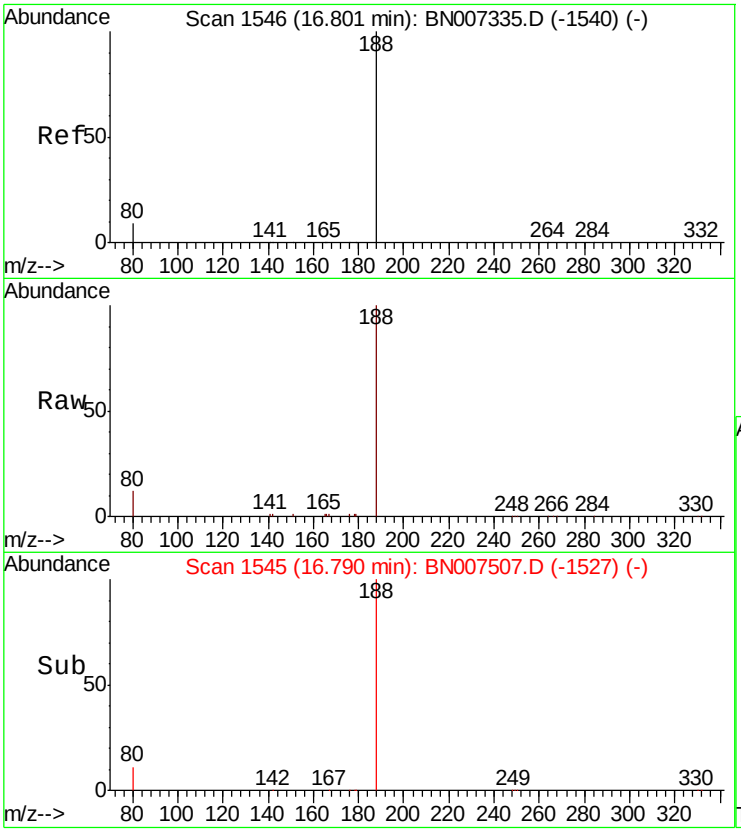


#18
Fluorene
Concen: 0.361 ng
RT: 15.10 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:166 Resp: 27129

Ion	Ratio	Lower	Upper
166	100		
165	96.1	79.0	118.4
167	13.1	10.6	15.8



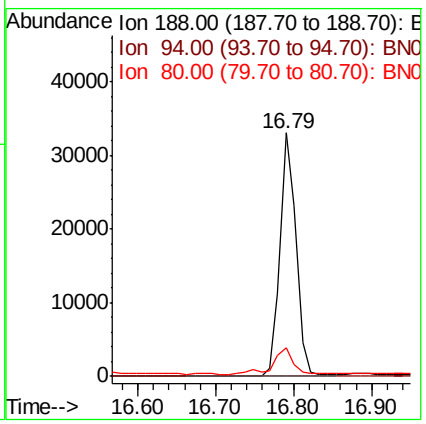


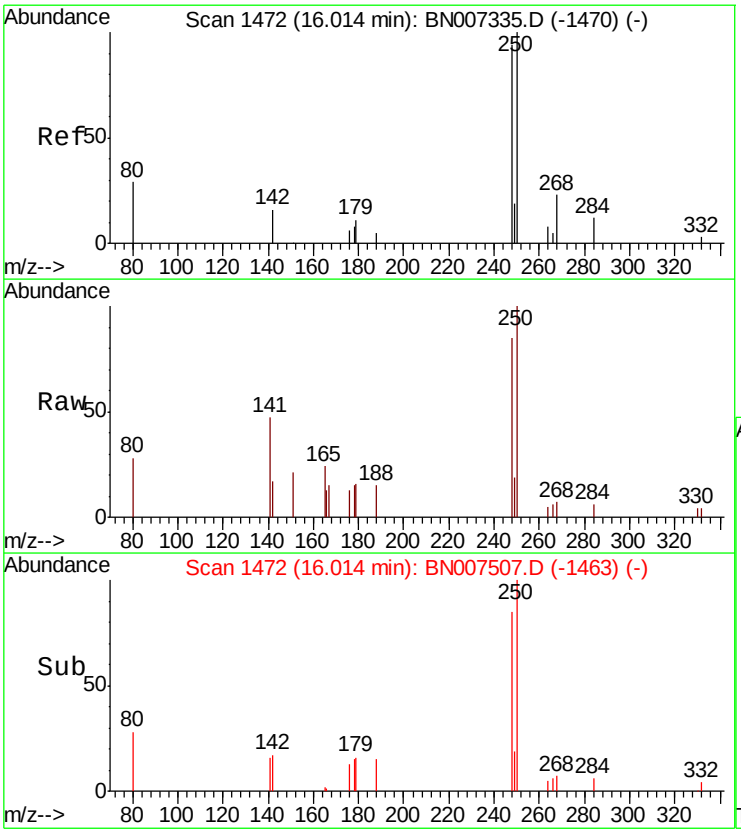
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:188 Resp: 46783

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.9	11.8	17.8

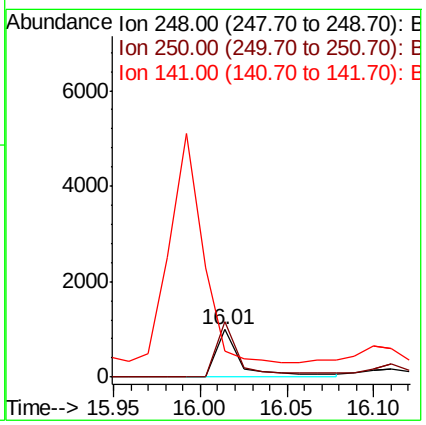


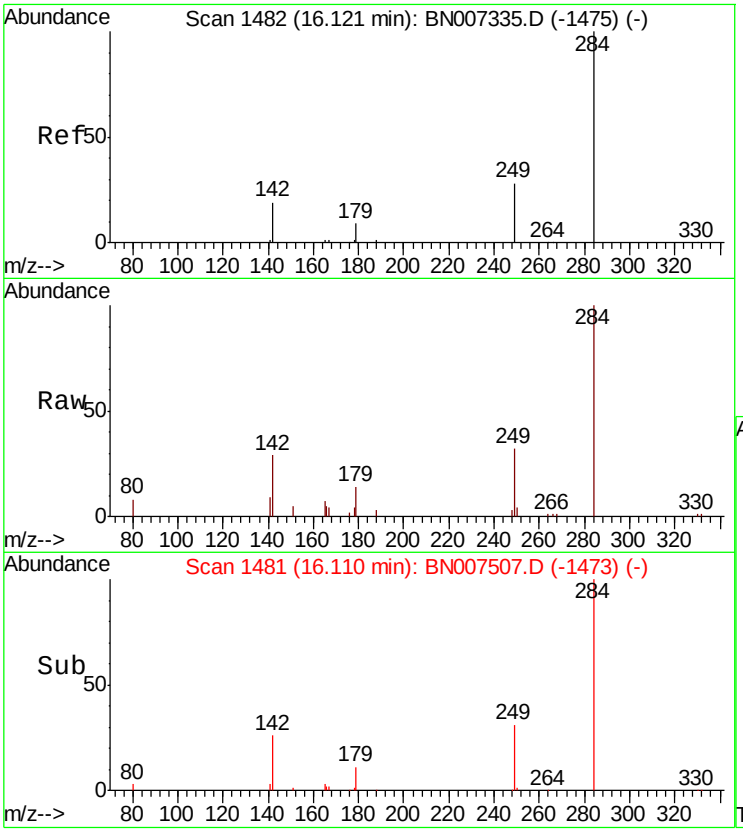


#20
4-Bromophenyl-phenylether
Concen: 0.055 ng
RT: 16.01 min Scan# 1472
Delta R.T. 0.00 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:248 Resp: 1017

Ion	Ratio	Lower	Upper
248	100		
250	117.3	85.0	127.6
141	55.4	51.7	77.5



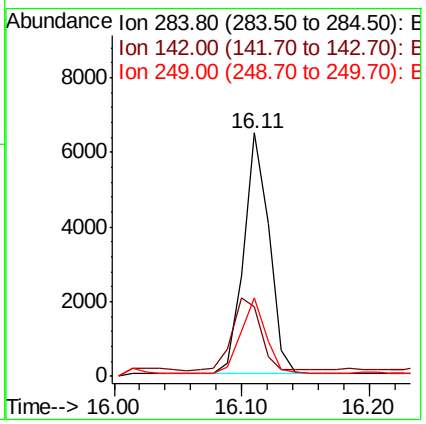


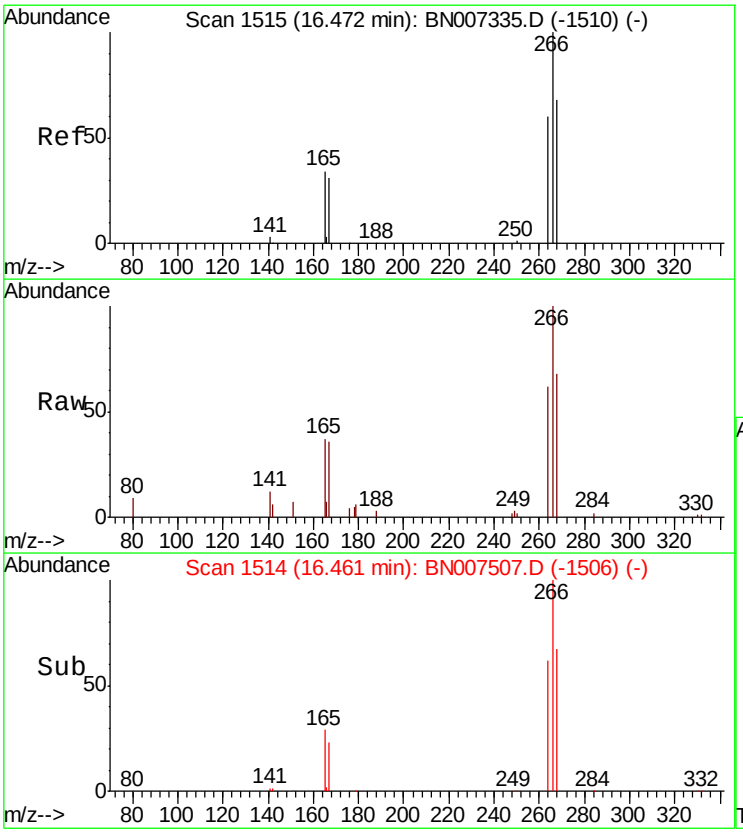
#21
Hexachlorobenzene
Concen: 0.288 ng
RT: 16.11 min Scan# 1481
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:284 Resp: 9021

Ion	Ratio	Lower	Upper
284	100		
142	33.0	29.0	43.6
249	30.2	24.9	37.3

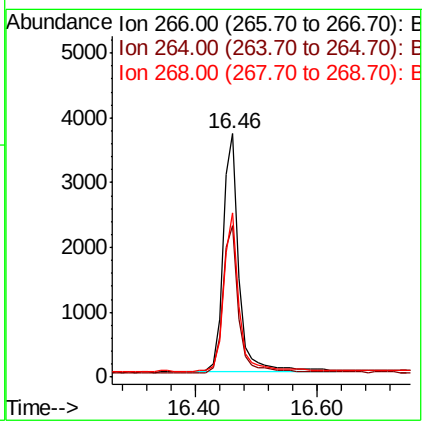


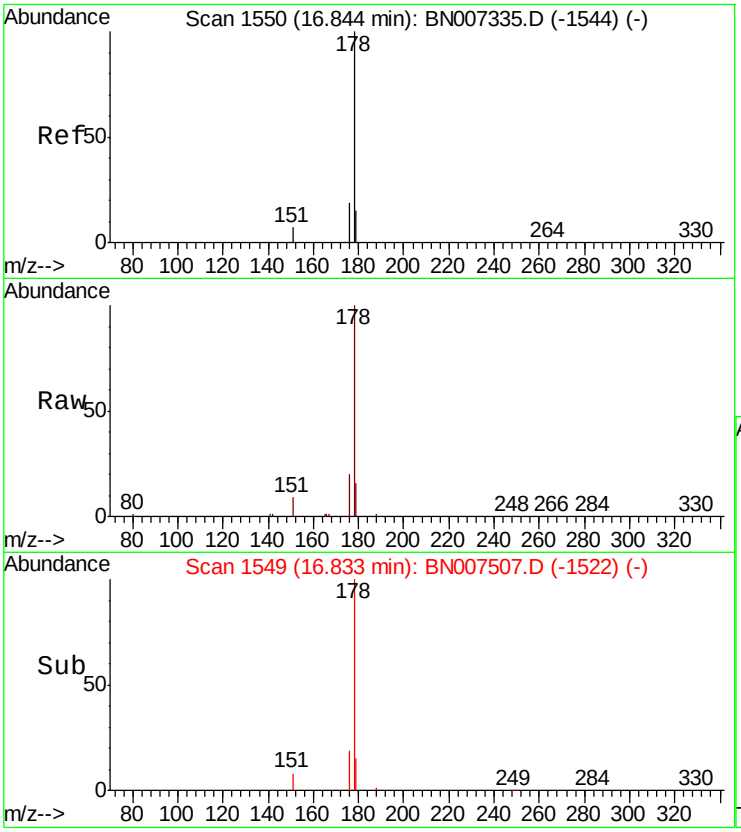


#22
Pentachlorophenol
Concen: 0.691 ng
RT: 16.46 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:266 Resp: 6733

Ion	Ratio	Lower	Upper
266	100		
264	62.0	57.8	86.8
268	67.6	99.7	149.5#



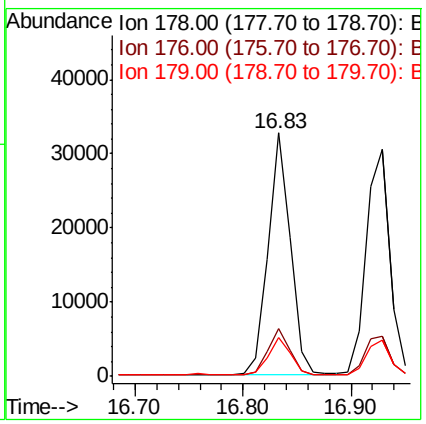


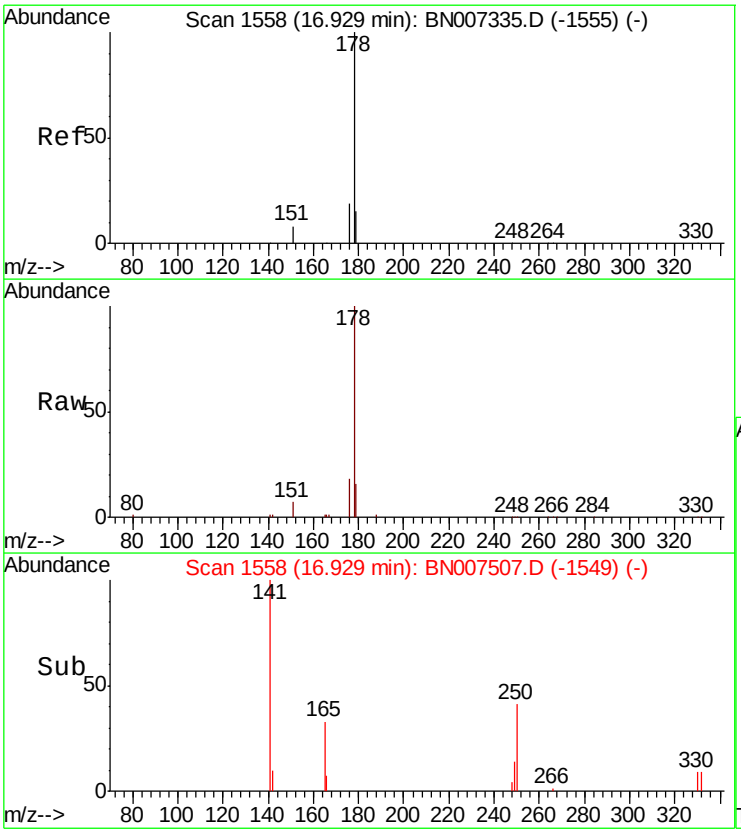
#23
Phenanthrene
Concen: 0.332 ng
RT: 16.83 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:178 Resp: 46722

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.4	12.6	19.0

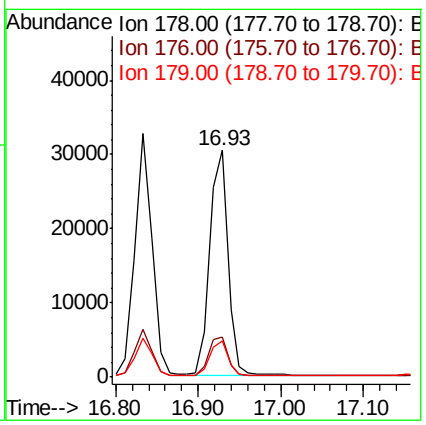


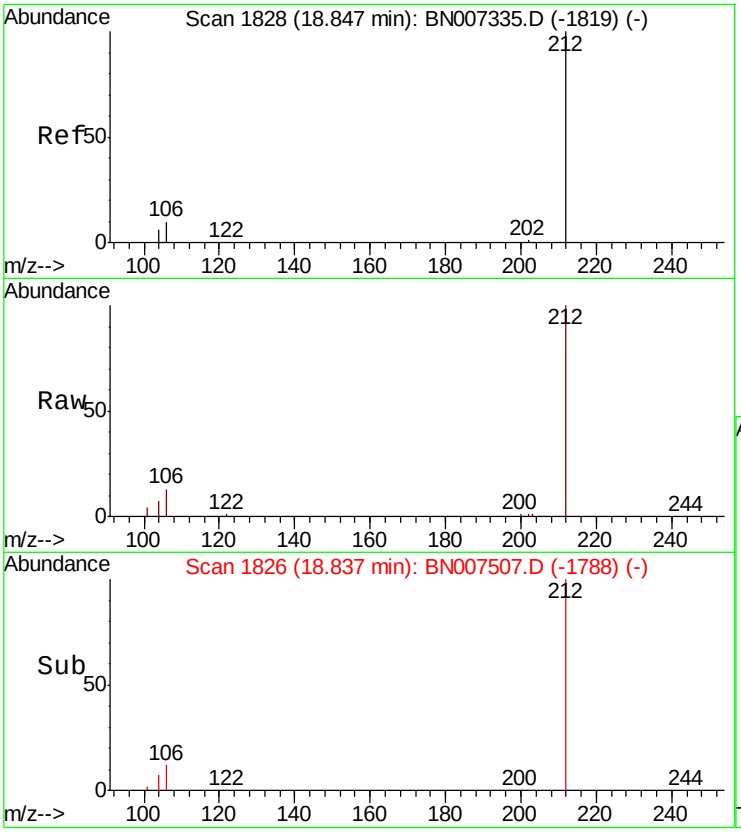


#24
Anthracene
Concen: 0.327 ng
RT: 16.93 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:178 Resp: 46314

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.9	22.3
179	15.2	12.4	18.6



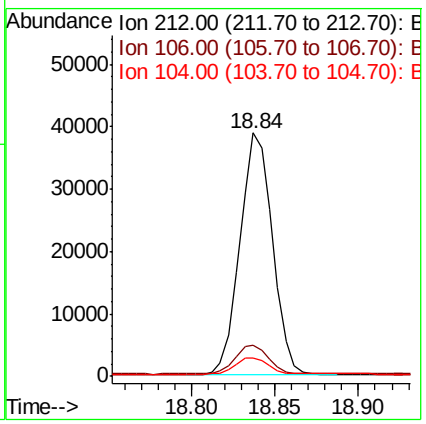


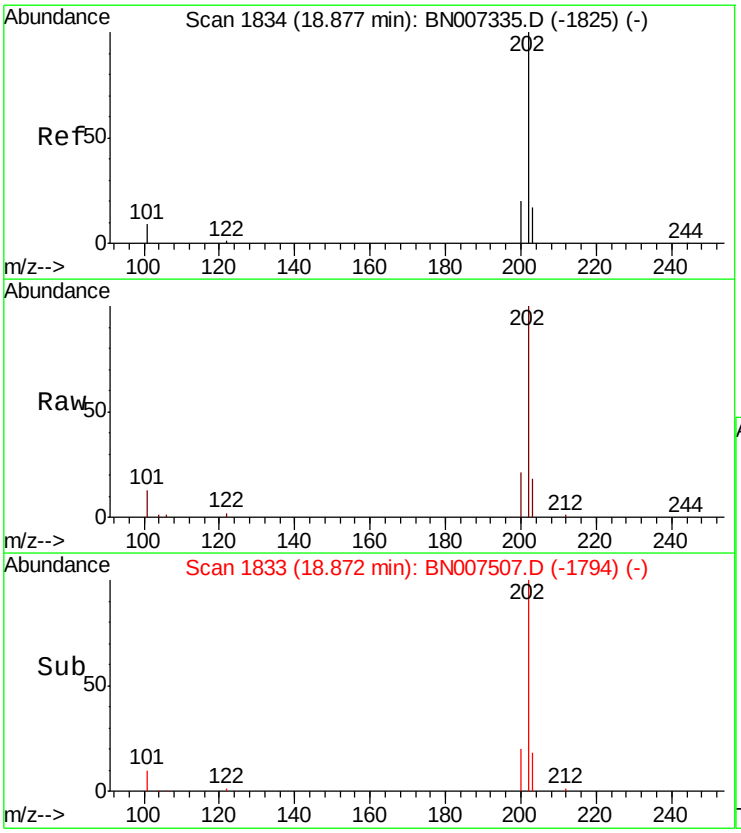
#25
Fluoranthene-d10
Concen: 0.352 ng
RT: 18.84 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:212 Resp: 53082

Ion	Ratio	Lower	Upper
212	100		
106	12.1	9.0	13.4
104	7.0	5.4	8.2

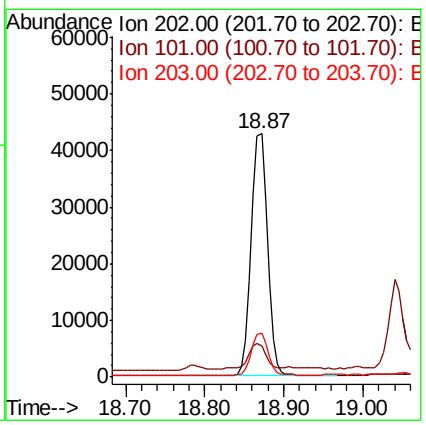


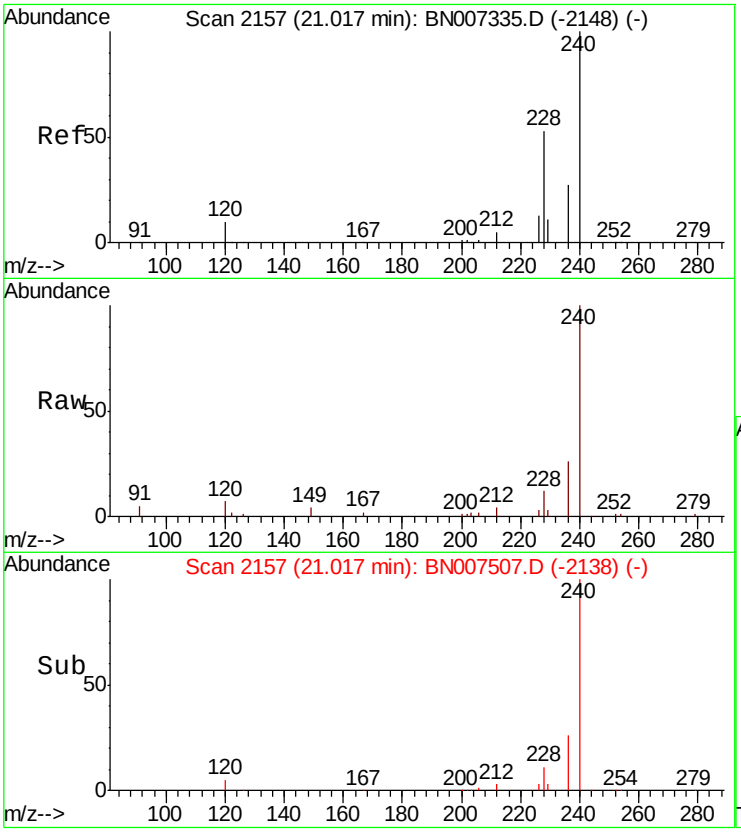


#26
Fluoranthene
Concen: 0.330 ng
RT: 18.87 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:202 Resp: 59562

Ion	Ratio	Lower	Upper
202	100		
101	11.6	7.7	11.5#
203	17.3	13.7	20.5



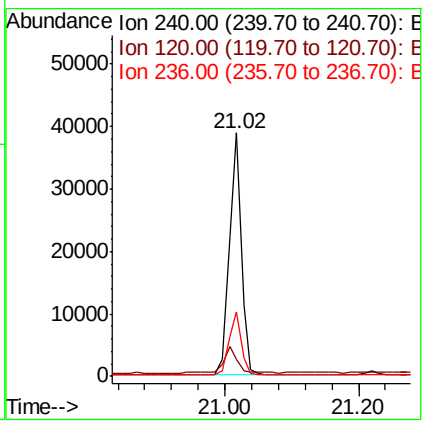


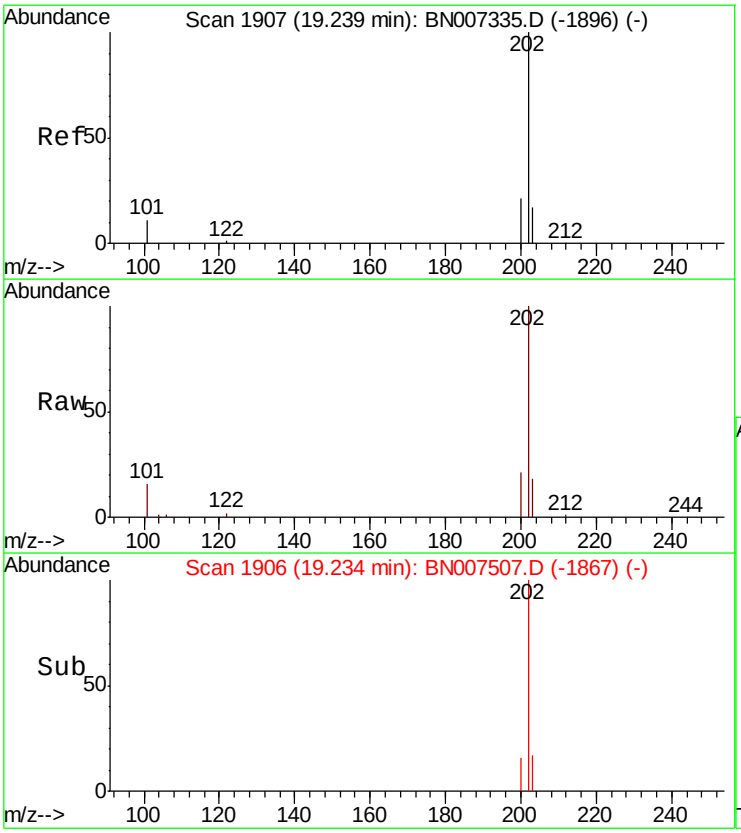
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:240 Resp: 48768

Ion	Ratio	Lower	Upper
240	100		
120	6.8	9.6	14.4#
236	26.4	22.2	33.2

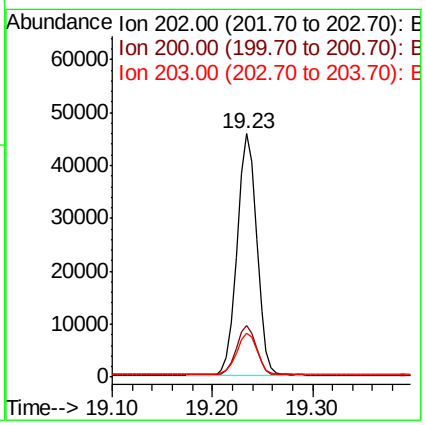


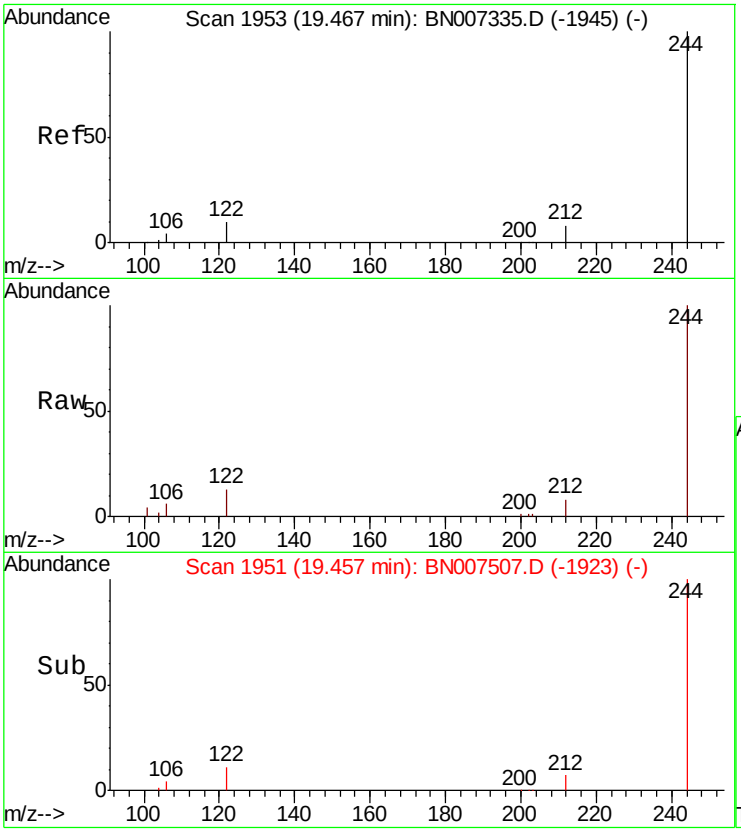


#28
Pyrene
Concen: 0.313 ng
RT: 19.23 min Scan# 1906
Delta R.T. -0.00 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:202 Resp: 61479

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	18.0	14.2	21.4



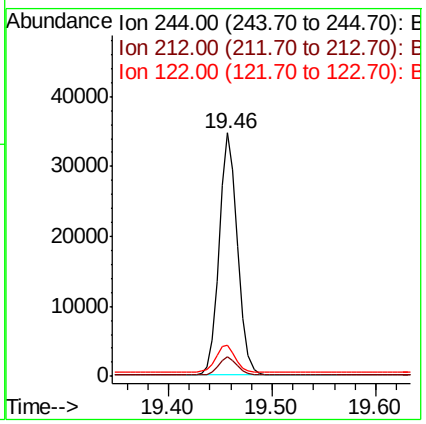


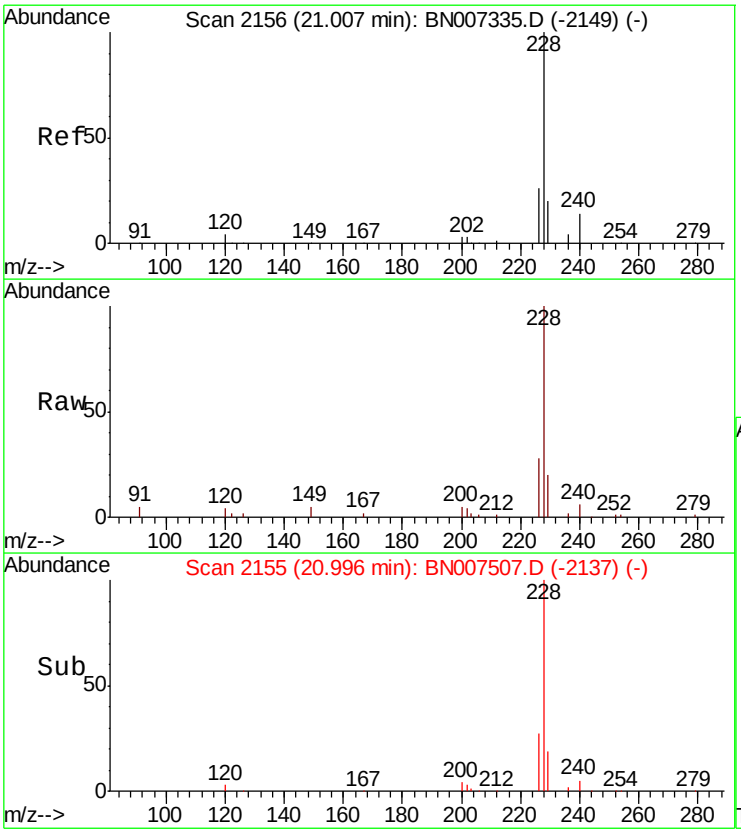
#29
Terphenyl-d14
Concen: 0.332 ng
RT: 19.46 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:244 Resp: 42389

Ion	Ratio	Lower	Upper
244	100		
212	8.0	7.0	10.6
122	12.8	9.6	14.4

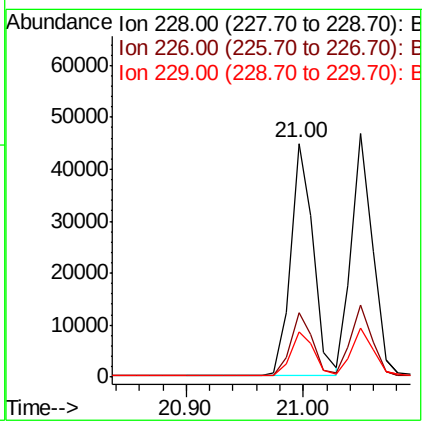


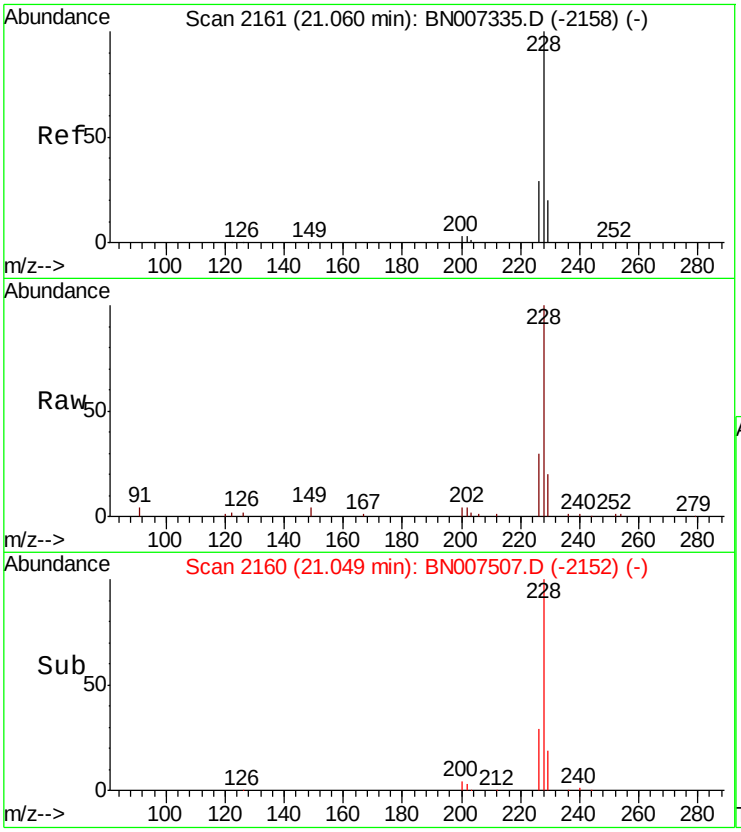


#30
Benzo(a)anthracene
Concen: 0.314 ng
RT: 21.00 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:228 Resp: 60050

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.3	31.9
229	19.6	16.1	24.1



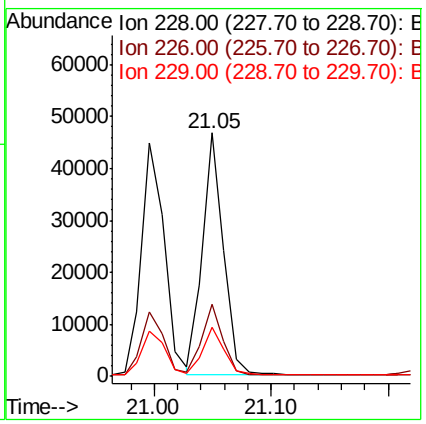


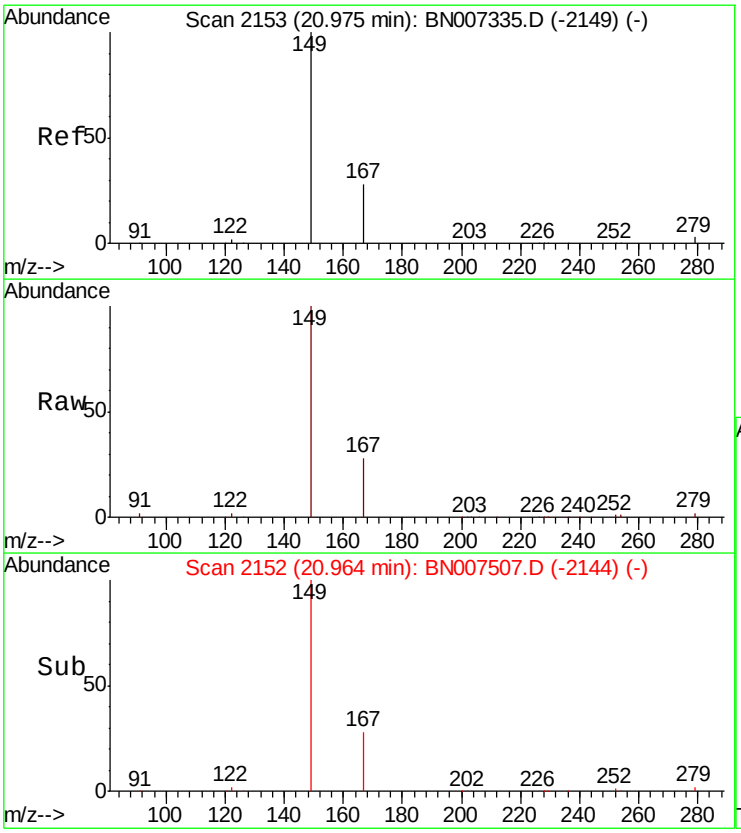
#31
Chrysene
Concen: 0.316 ng
RT: 21.05 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:228 Resp: 58433

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.5	35.3
229	20.0	16.6	24.8

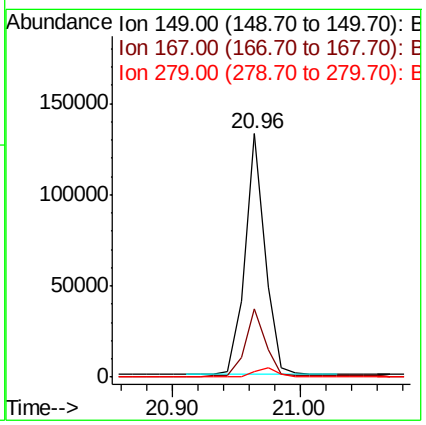


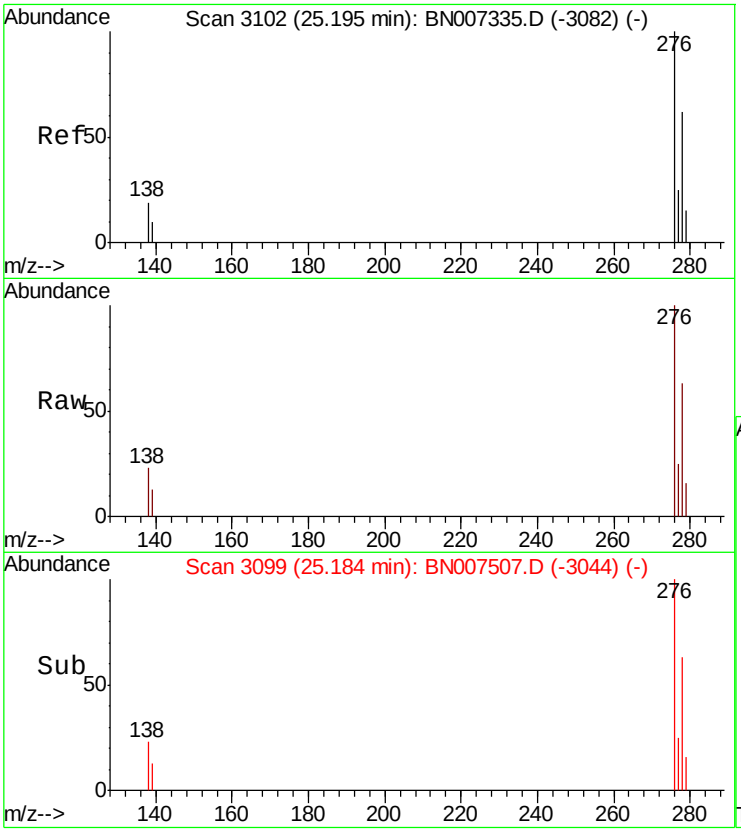


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.148 ng
RT: 20.96 min Scan# 2152
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:149 Resp: 144590

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.8	34.2
279	4.3	3.5	5.3



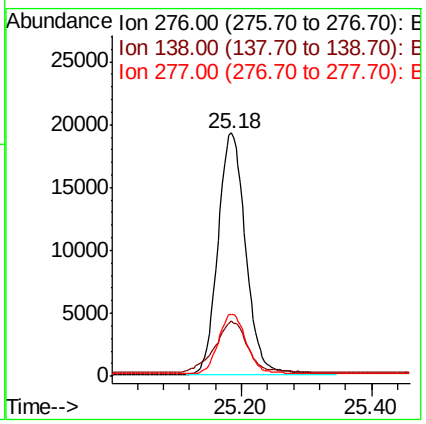


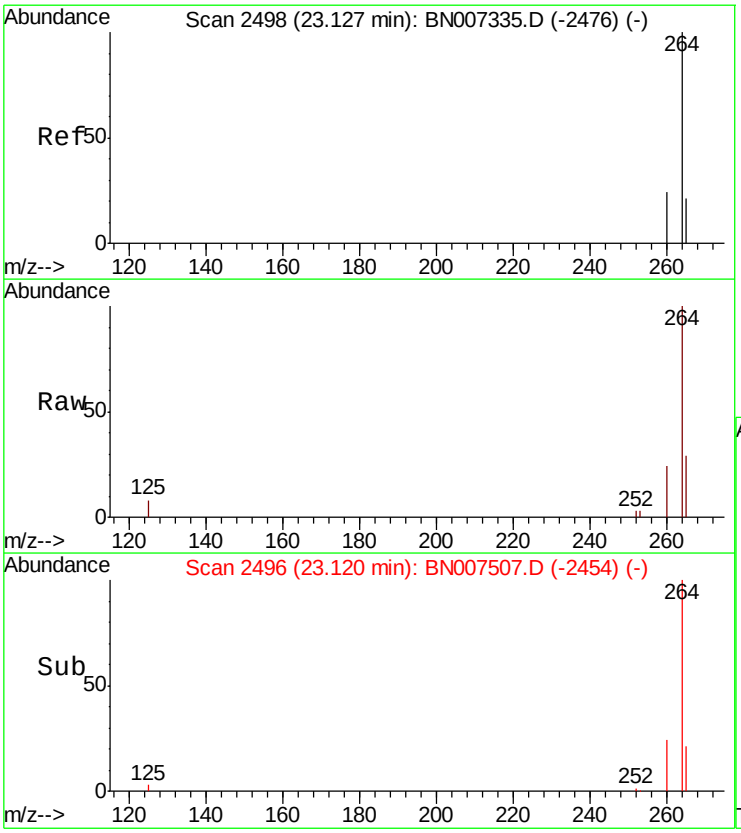
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.255 ng
RT: 25.18 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:276 Resp: 56738

Ion	Ratio	Lower	Upper
276	100		
138	24.7	15.1	22.7#
277	24.6	19.7	29.5

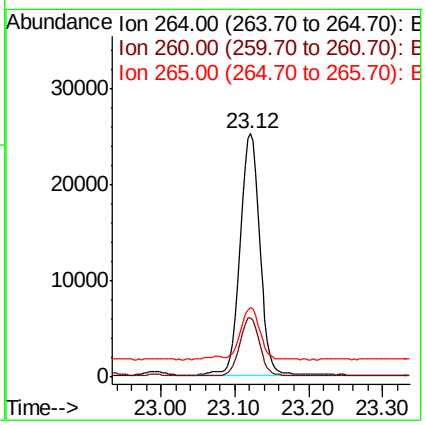


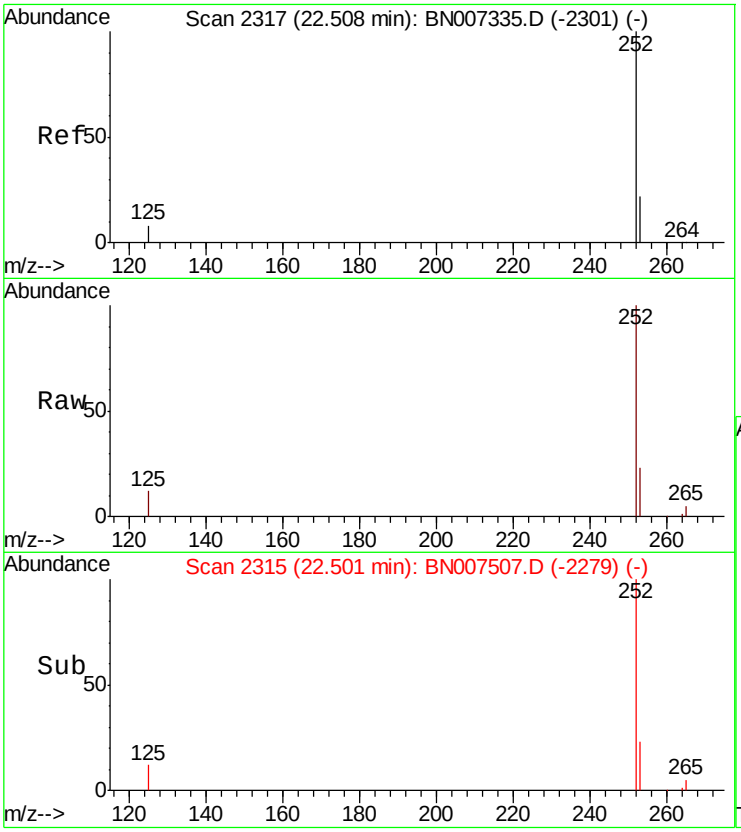


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2496
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:264 Resp: 47008

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.7	29.5
265	28.6	29.9	44.9#



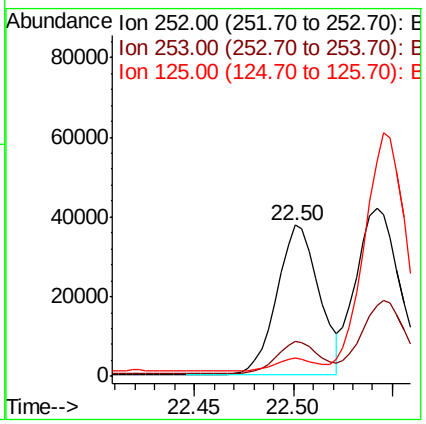


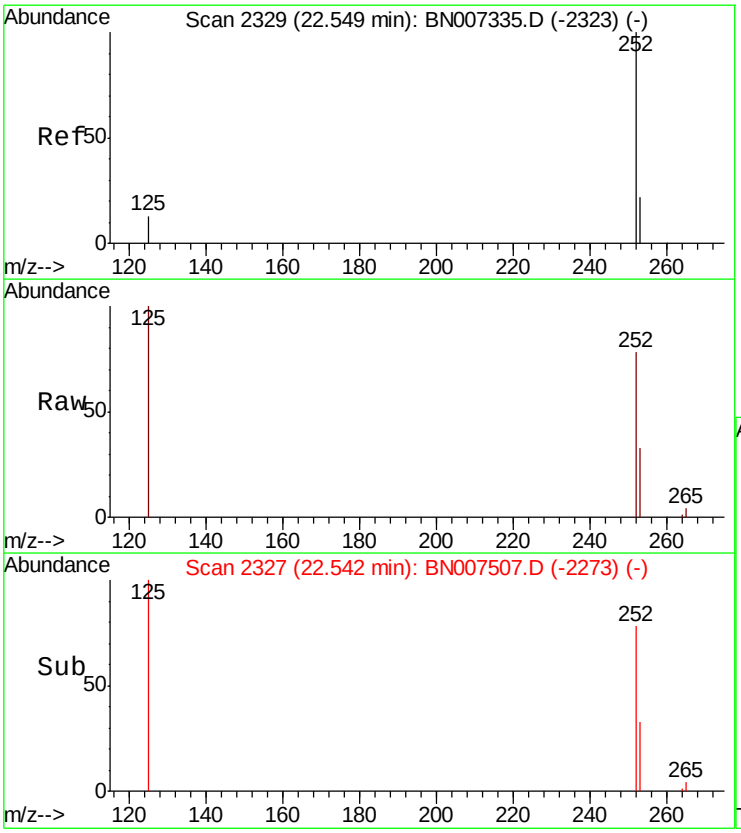
#35
Benzo(b)fluoranthene
Concen: 0.326 ng
RT: 22.50 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:252 Resp: 55575

Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.2	28.8
125	11.9	10.6	16.0

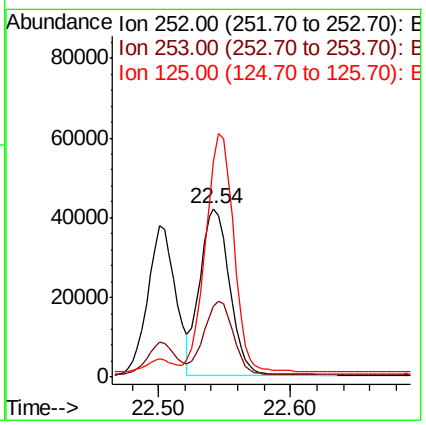


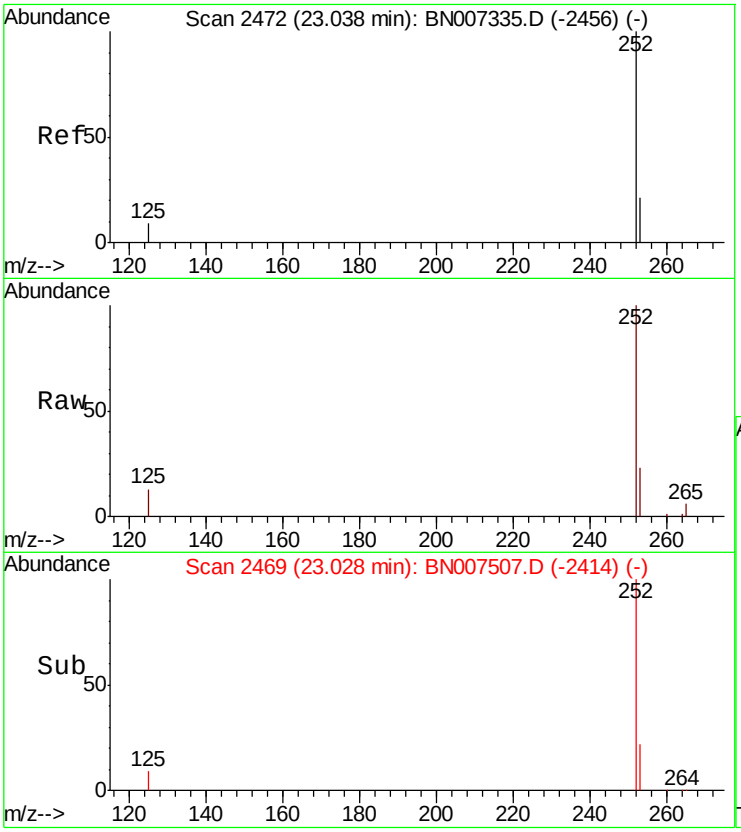


#36
Benzo(k)fluoranthene
Concen: 0.385 ng
RT: 22.54 min Scan# 2327
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:252 Resp: 64888

Ion	Ratio	Lower	Upper
252	100		
253	41.7	19.4	29.2#
125	127.7	13.1	19.7#



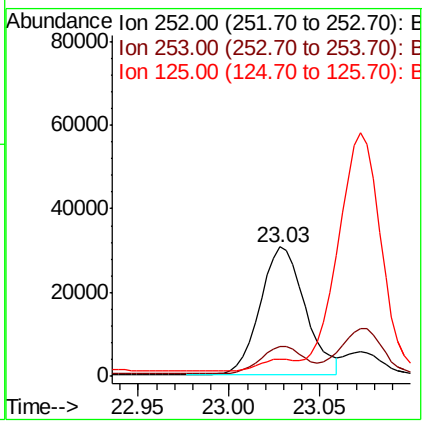


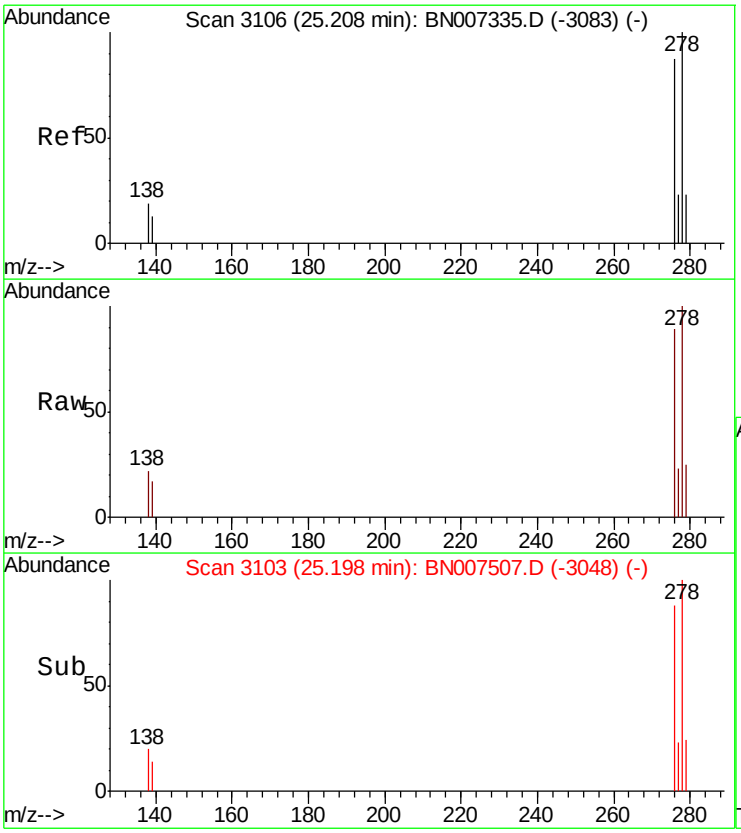
#37
Benzo(a)pyrene
Concen: 0.323 ng
RT: 23.03 min Scan# 2469
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:252 Resp: 52274

Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.5	29.3
125	13.4	12.1	18.1

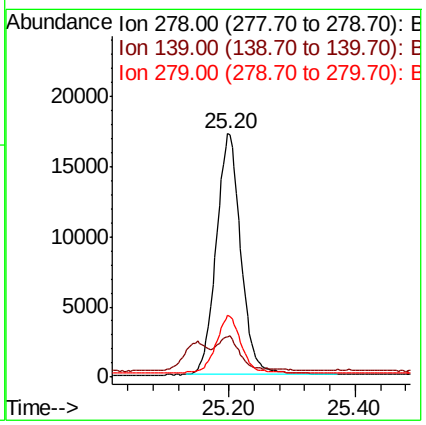


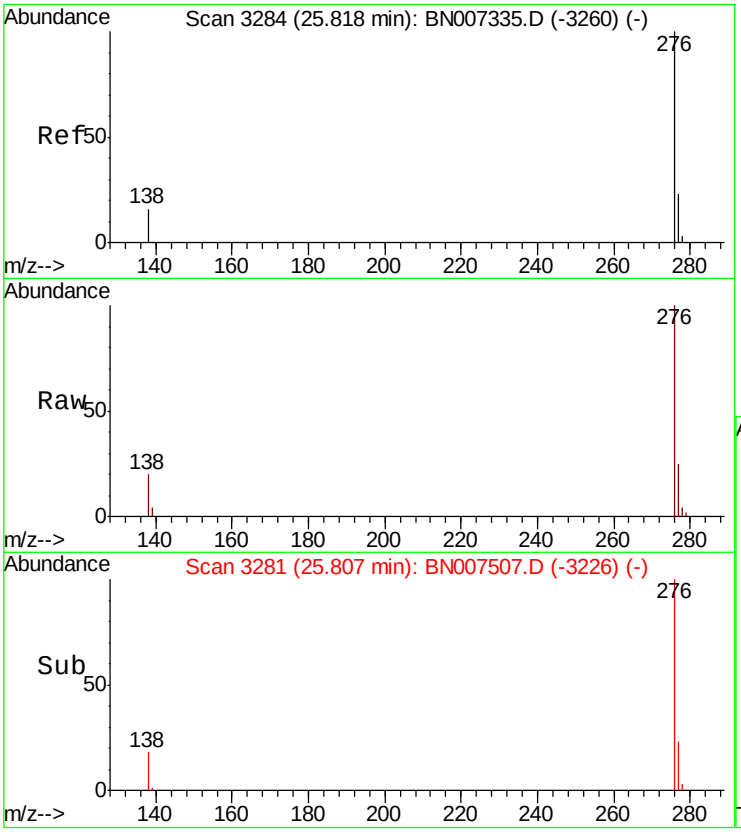


#38
Dibenzo(a,h)anthracene
Concen: 0.288 ng
RT: 25.20 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Tgt Ion:278 Resp: 46577

Ion	Ratio	Lower	Upper
278	100		
139	16.6	13.7	20.5
279	25.1	20.2	30.4





#39
Benzo(g,h,i)perylene
Concen: 0.291 ng
RT: 25.81 min Scan# 3281
Delta R.T. -0.01 min
Lab File: BN007507.D
Acq: 29 Aug 2019 18:06

Instrument :
BNA_N
ClientSampleId :
PB122591BS

Tgt Ion:276 Resp: 46839

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