Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\
Data File : BN009780.D
Acq On : 19 Feb 2020 16:46
Operator : CG/JU
Sample : PB126695BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB126695BS

Quant Time: Feb 20 04:23:08 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 19 15:57:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	1078	0.40	ng		0.00
7) Naphthalene-d8	10.18	136	3701	0.40	ng		0.00
13) Acenaphthene-d10	14.05	164	2375	0.40	ng		-0.01
19) Phenanthrene-d10	16.80	188	5378	0.40	ng		-0.01
27) Chrysene-d12	21.03	240	4807	0.40	ng		-0.01
34) Perylene-d12	23.14	264	5044	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.08	112	892	0.37	ng		0.00
5) Phenol-d6	6.65	99	1101	0.38	ng		0.00
8) Nitrobenzene-d5	8.61	82	1113	0.36	ng		0.01
11) 2-Methylnaphthalene-d10	11.78	152	2742	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.57	330	317	0.35	ng		-0.01
15) 2-Fluorobiphenyl	12.66	172	3555	0.40	ng		-0.02
25) Fluoranthene-d10	18.85	212	6897	0.37	ng		0.00
29) Terphenyl-d14	19.47	244	4458	0.39	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	434	0.393	ng		97
3) n-Nitrosodimethylamine	3.46	42	527	0.291	ng	#	93
6) bis(2-Chloroethyl)ether	6.89	93	1112	0.392	ng		94
9) Naphthalene	10.23	128	3850	0.381	ng		99
10) Hexachlorobutadiene	10.49	225	833	0.375	ng	#	95
12) 2-Methylnaphthalene	11.85	142	2639	0.381	ng		98
16) Acenaphthylene	13.76	152	3657	0.361	ng		99
17) Acenaphthene	14.11	154	2706	0.380	ng		99
18) Fluorene	15.12	166	3595	0.383	ng		99
20) 4-Bromophenyl-phenylether	16.01	248	1269	0.328	ng	#	90
21) Hexachlorobenzene	16.12	284	1260	0.376	ng		98
22) Pentachlorophenol	16.50	266	274	0.423	ng		94
23) Phenanthrene	16.85	178	5970	0.373	ng		99
24) Anthracene	16.94	178	5051	0.373	ng		100
26) Fluoranthene	18.88	202	6896	0.360	ng		99
28) Pyrene	19.25	202	6982	0.383	ng		100
30) Benzo(a)anthracene	21.02	228	6156	0.386	ng		99
31) Chrysene	21.07	228	6994	0.379	ng		98
32) Bis(2-ethylhexyl)phthalate	20.96	149	2943	0.378	ng		100
33) Indeno(1,2,3-cd)pyrene	25.20	276	7834	0.408	ng		99
35) Benzo(b)fluoranthene	22.52	252	7151	0.388	ng		95
36) Benzo(k)fluoranthene	22.56	252	7234	0.360	ng		99
37) Benzo(a)pyrene	23.05	252	6582	0.391	ng		96
38) Dibenzo(a,h)anthracene	25.20	278	6367	0.384	ng		96
39) Benzo(g,h,i)perylene	25.82	276	6625	0.375	ng		98

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

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Instrument :
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QLast Update : Wed Feb 19 15:57:43 2020
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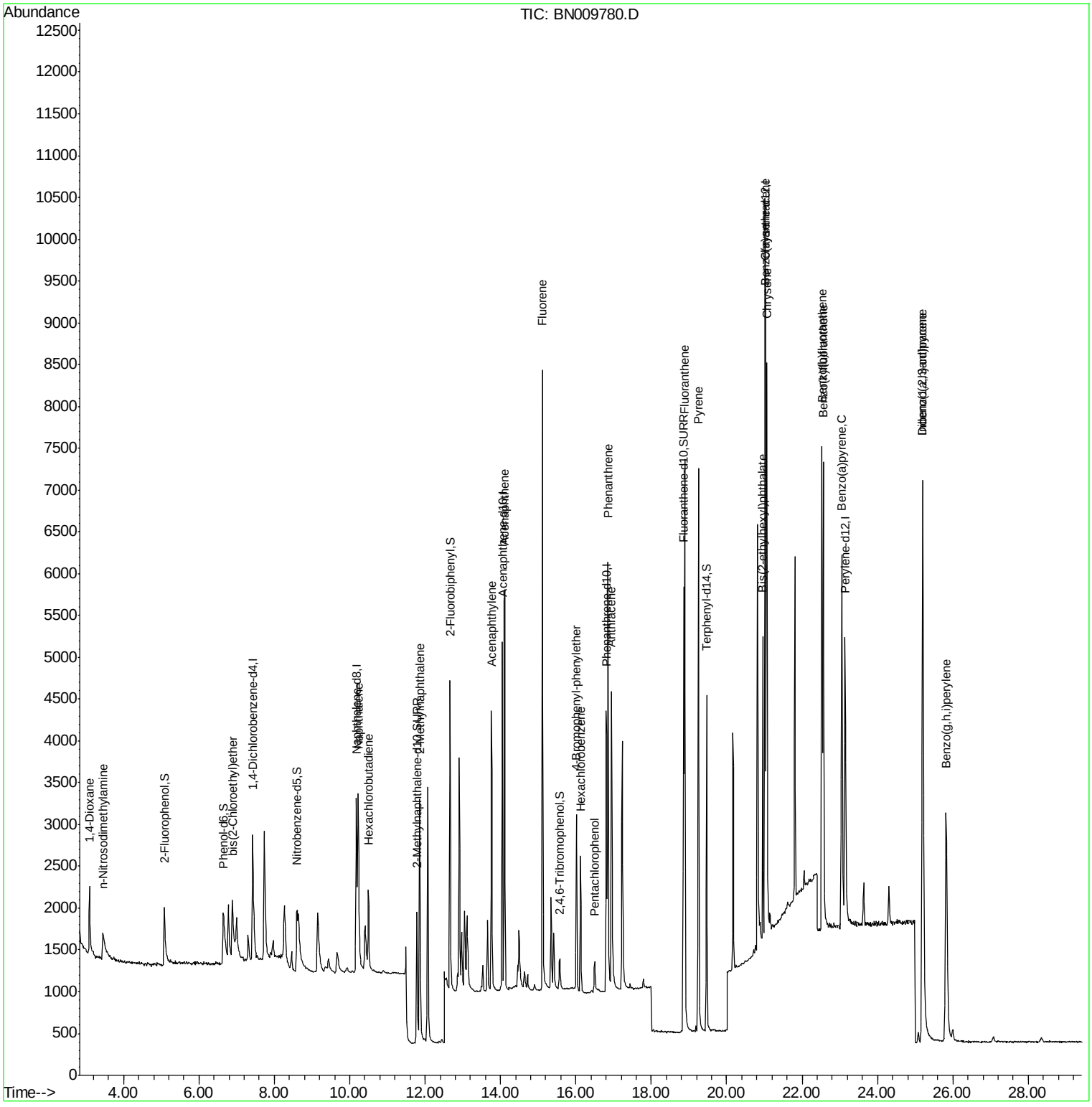
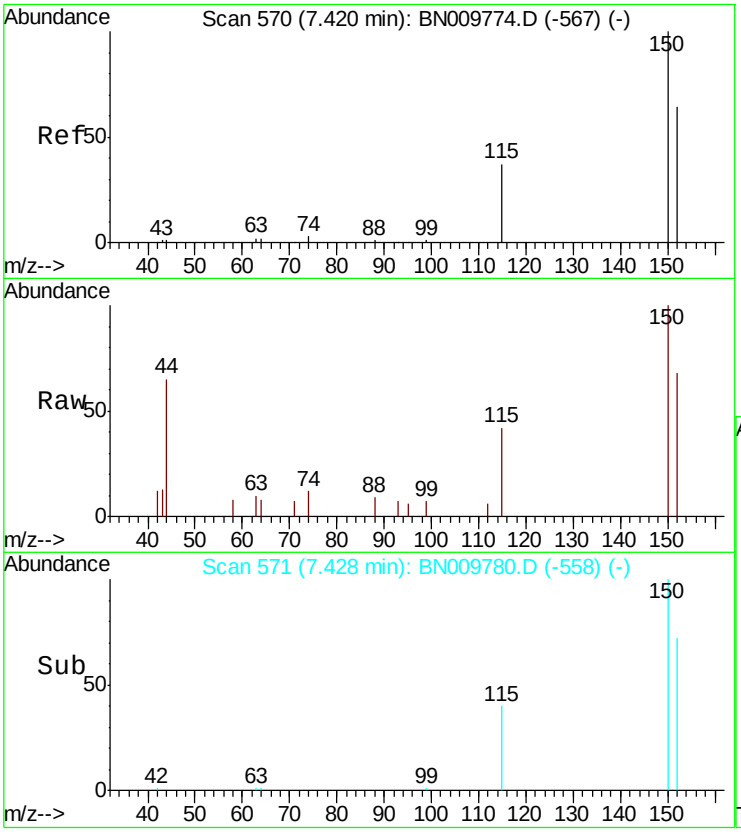


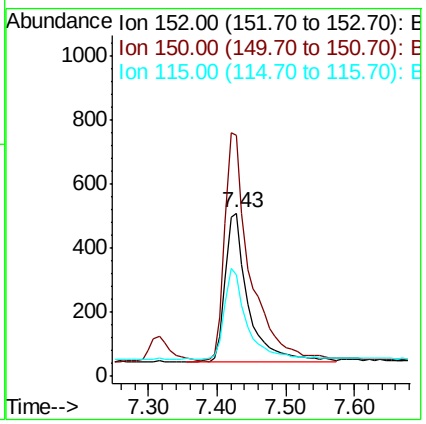


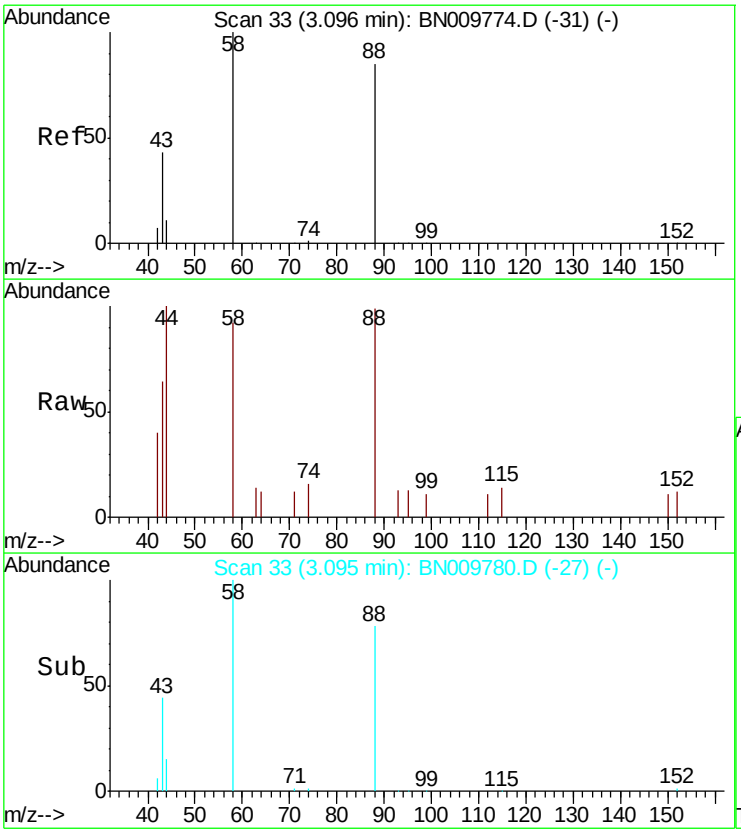
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 571
Delta R.T. 0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:152 Resp: 1078

Ion	Ratio	Lower	Upper
152	100		
150	147.6	120.6	181.0
115	61.8	51.2	76.8

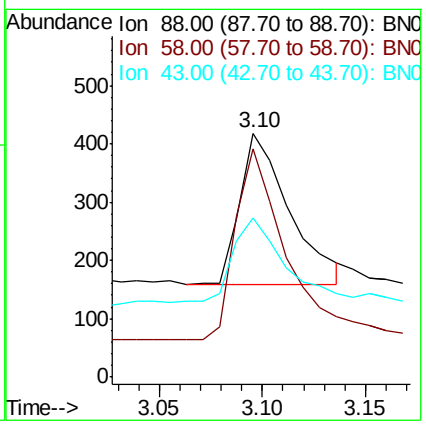


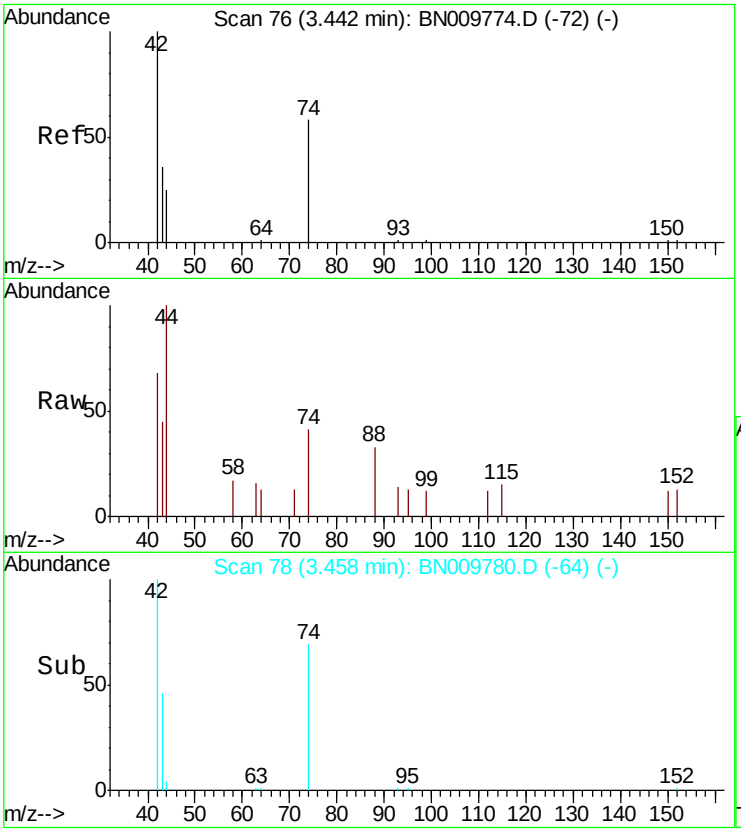


#2
1,4-Dioxane
Concen: 0.393 ng
RT: 3.10 min Scan# 33
Delta R.T. -0.00 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion: 88 Resp: 434

Ion	Ratio	Lower	Upper
88	100		
58	126.0	97.8	146.8
43	55.1	45.1	67.7



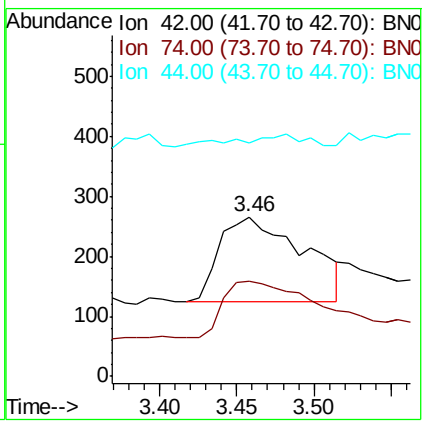


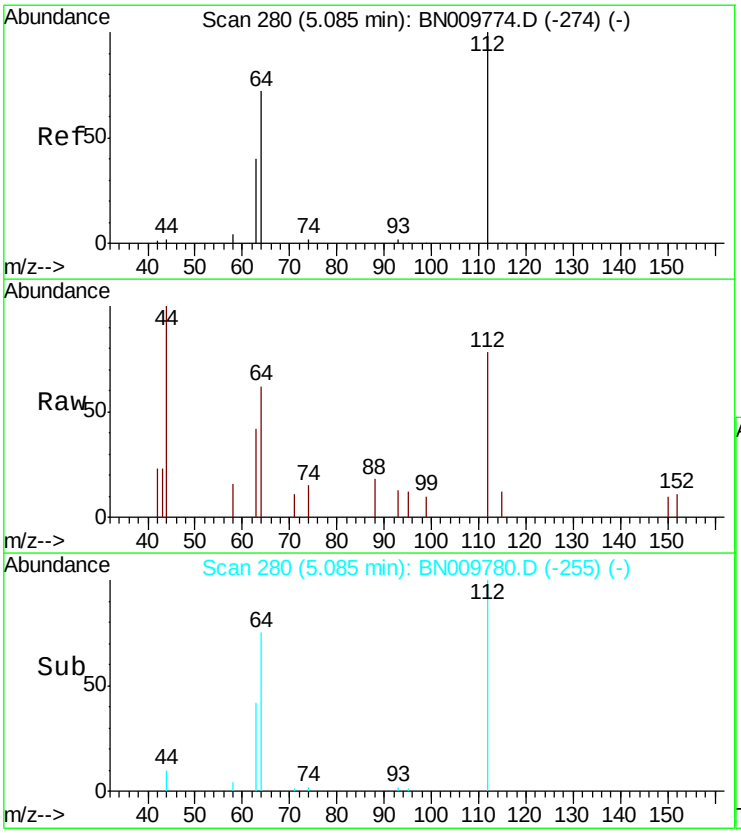
#3
n-Nitrosodimethylamine
Concen: 0.291 ng
RT: 3.46 min Scan# 78
Delta R.T. 0.02 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion: 42 Resp: 527

Ion	Ratio	Lower	Upper
42	100		
74	69.4	51.2	76.8
44	0.0	2.6	4.0#

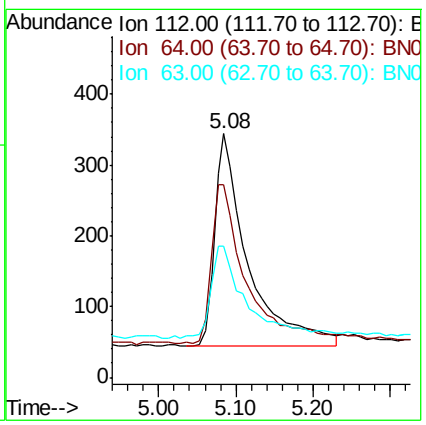


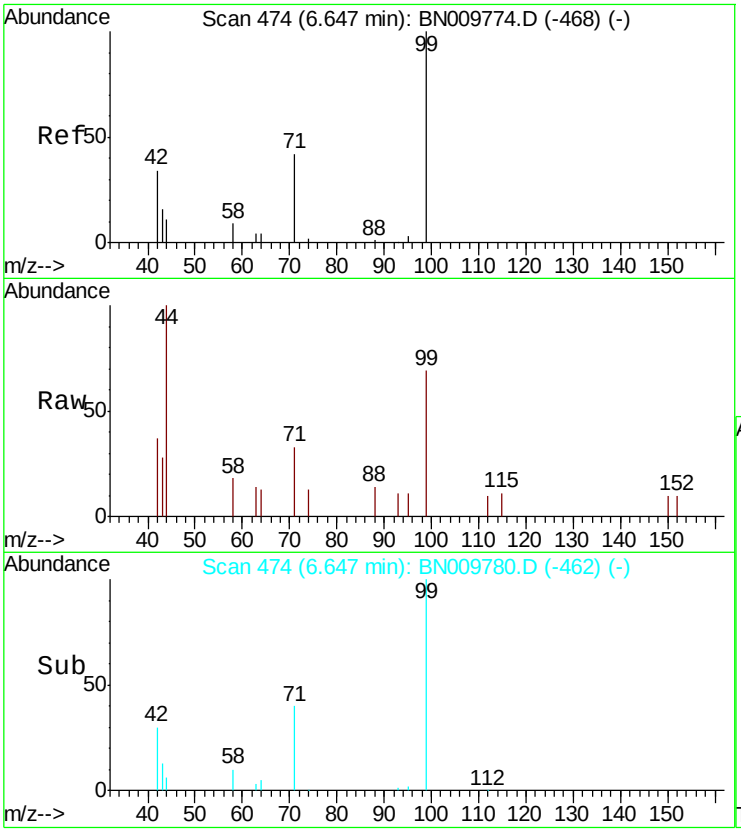


#4
2-Fluorophenol
Concen: 0.372 ng
RT: 5.08 min Scan# 280
Delta R.T. -0.00 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:112 Resp: 892

Ion	Ratio	Lower	Upper
112	100		
64	81.4	65.8	98.6
63	47.5	38.7	58.1



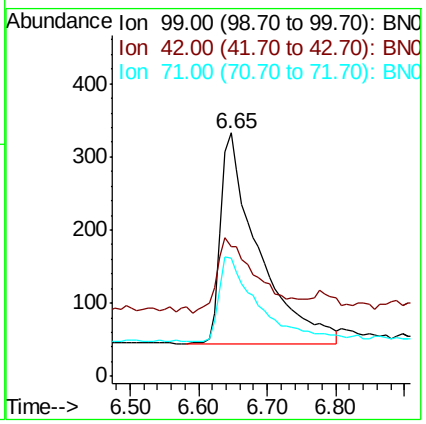


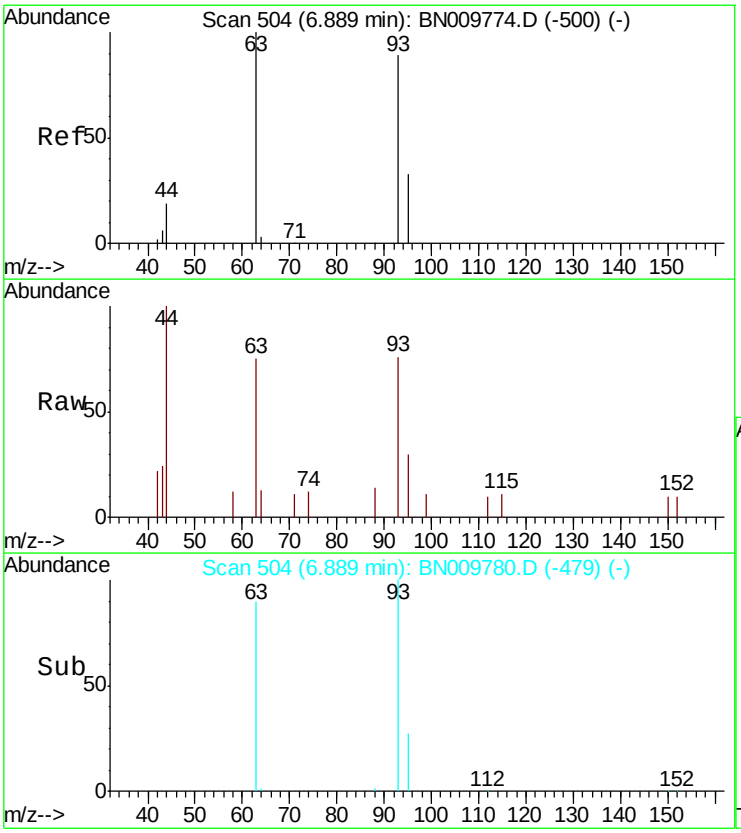
#5
Phenol-d6
Concen: 0.378 ng
RT: 6.65 min Scan# 474
Delta R.T. -0.00 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion: 99 Resp: 1101

Ion	Ratio	Lower	Upper
99	100		
42	38.9	30.8	46.2
71	41.9	34.9	52.3

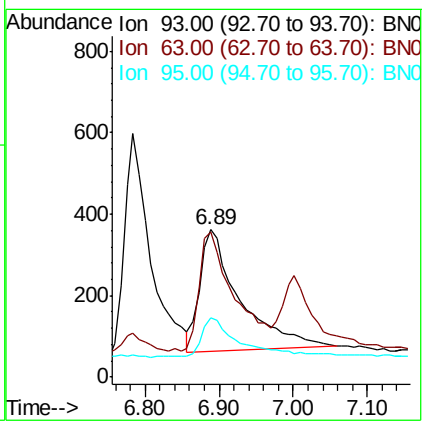


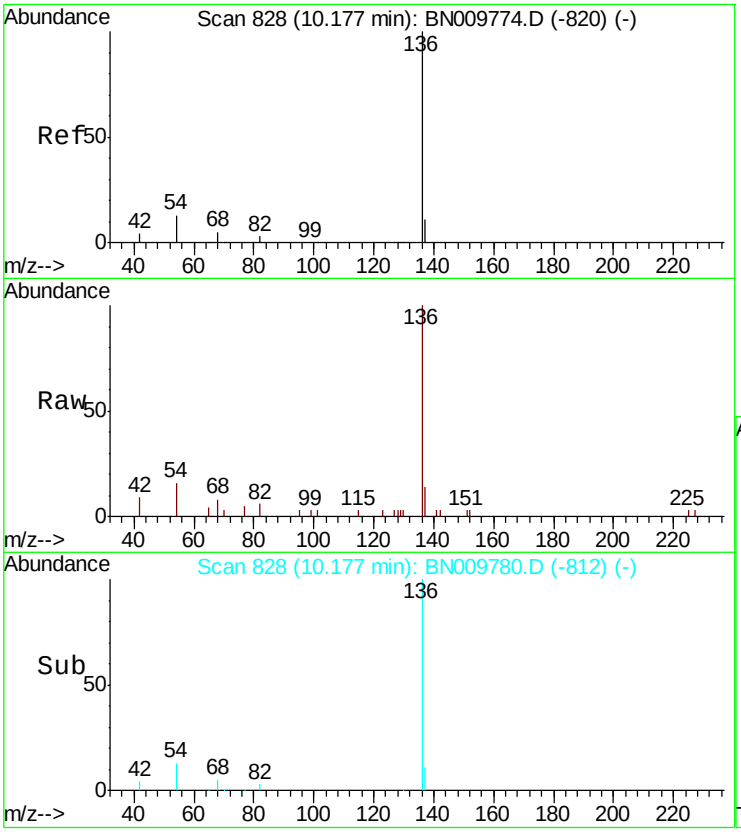


#6
bis(2-Chloroethyl)ether
Concen: 0.392 ng
RT: 6.89 min Scan# 504
Delta R.T. -0.00 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion: 93 Resp: 1112

Ion	Ratio	Lower	Upper
93	100		
63	86.3	74.0	111.0
95	30.9	26.7	40.1



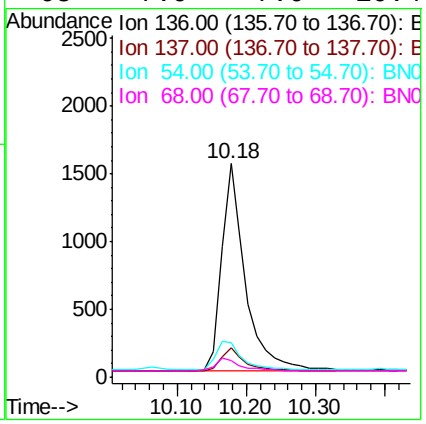


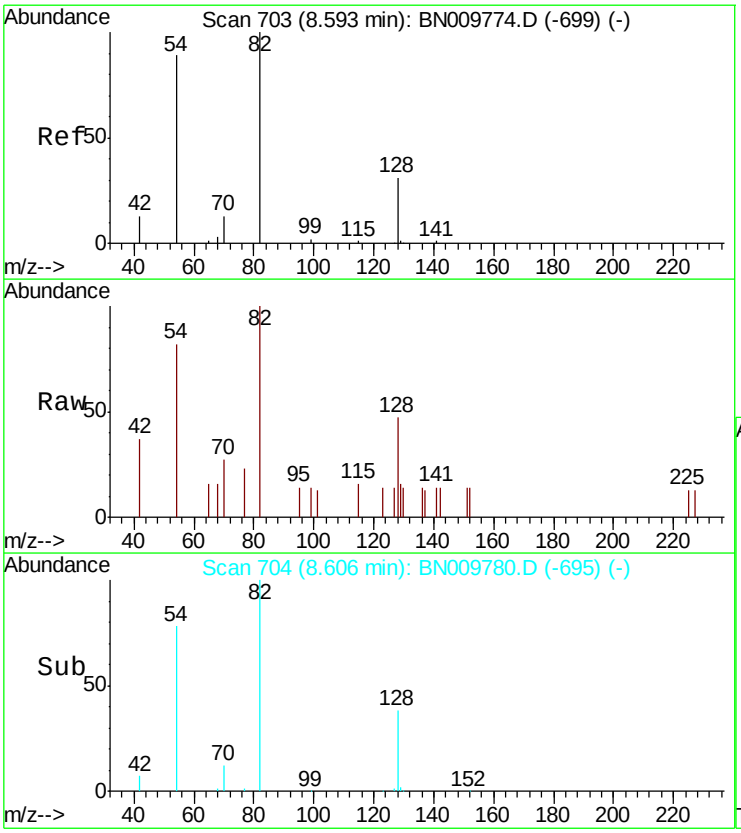
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.18 min Scan# 828
Delta R.T. -0.00 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:136 Resp: 3701

Ion	Ratio	Lower	Upper
136	100		
137	13.8	11.3	16.9
54	16.1	13.4	20.2
68	7.9	7.0	10.4

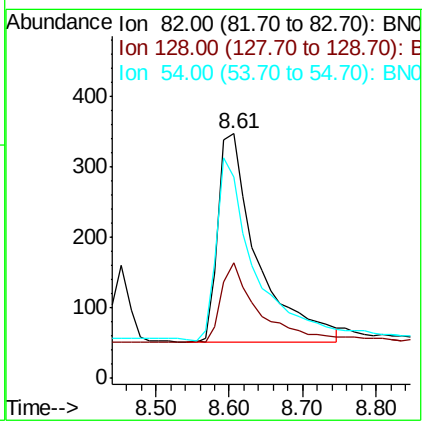


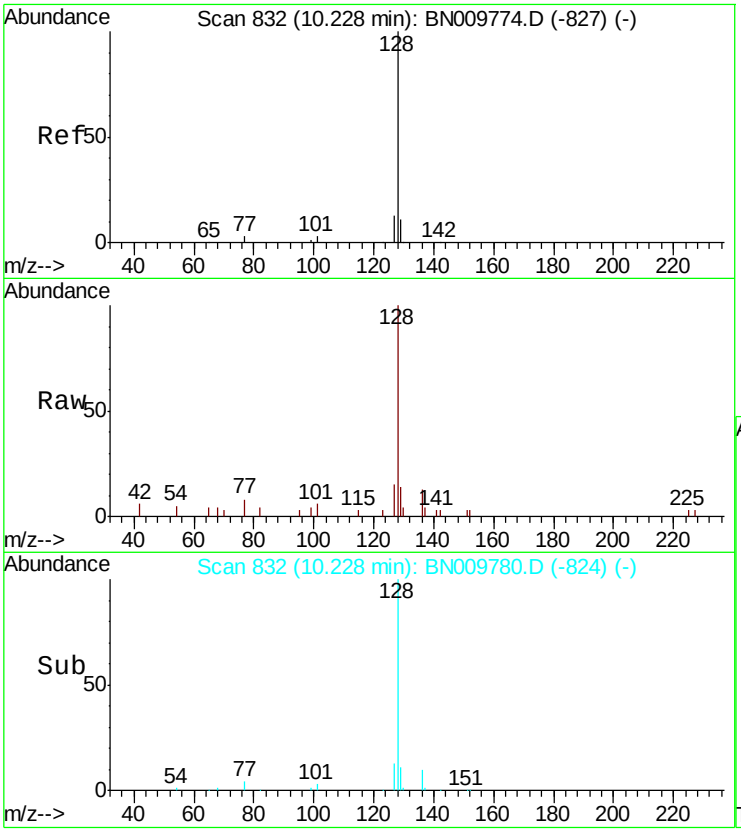


#8
Nitrobenzene-d5
Concen: 0.361 ng
RT: 8.61 min Scan# 704
Delta R.T. 0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion: 82 Resp: 1113

Ion	Ratio	Lower	Upper
82	100		
128	47.0	32.5	48.7
54	82.4	73.5	110.3



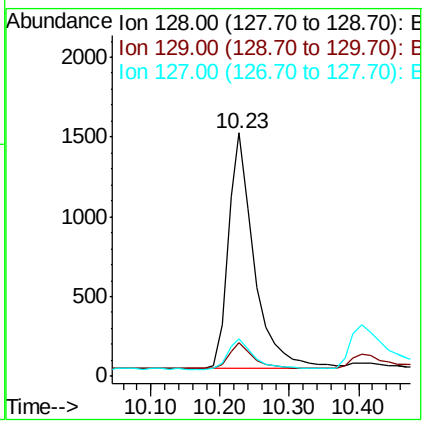


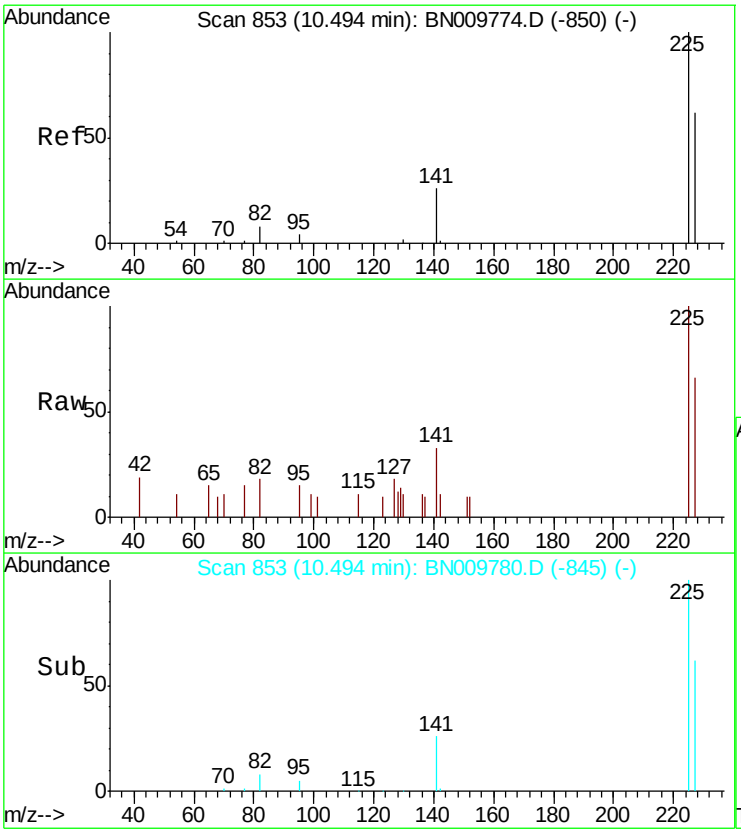
#9
Naphthalene
Concen: 0.381 ng
RT: 10.23 min Scan# 832
Delta R.T. -0.00 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:128 Resp: 3850

Ion	Ratio	Lower	Upper
128	100		
129	13.8	11.1	16.7
127	15.3	12.6	19.0

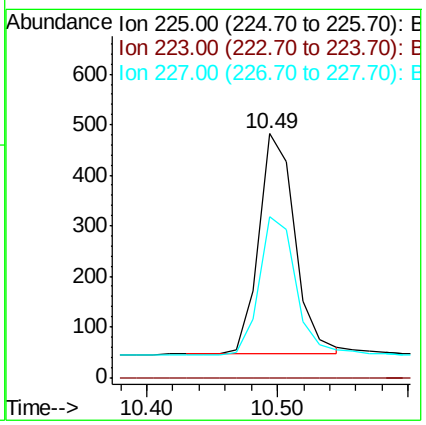


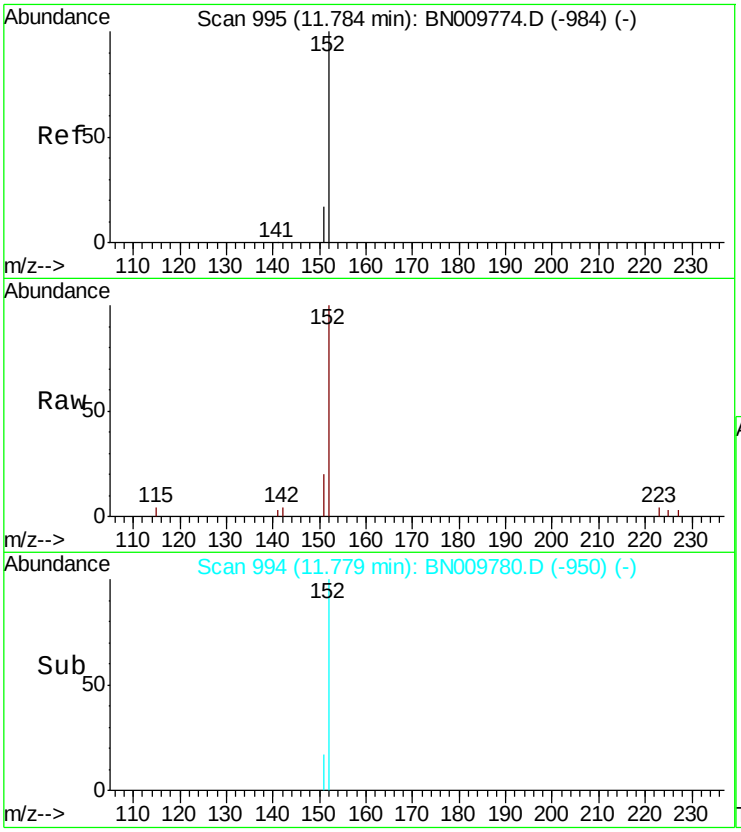


#10
Hexachlorobutadiene
Concen: 0.375 ng
RT: 10.49 min Scan# 853
Delta R.T. -0.00 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:225 Resp: 833

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.1	53.4	80.2



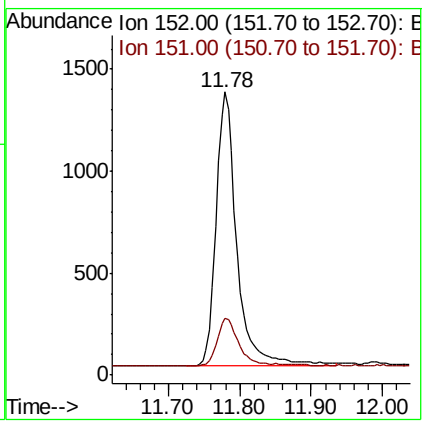


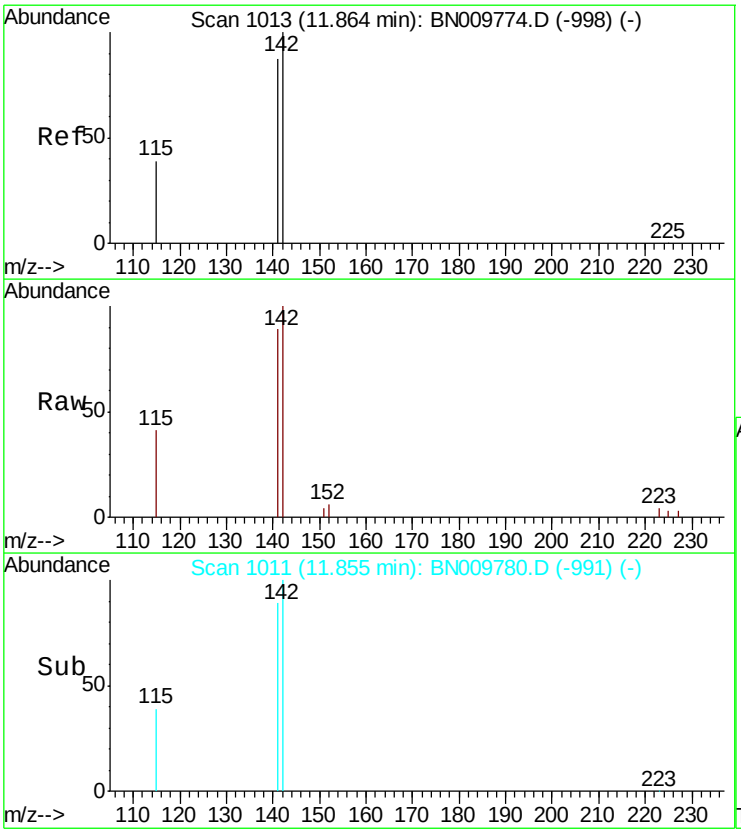
#11
2-Methylnaphthalene-d10
Concen: 0.383 ng
RT: 11.78 min Scan# 994
Delta R.T. -0.00 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:152 Resp: 2742

Ion	Ratio	Lower	Upper
152	100		
151	17.5	15.1	22.7

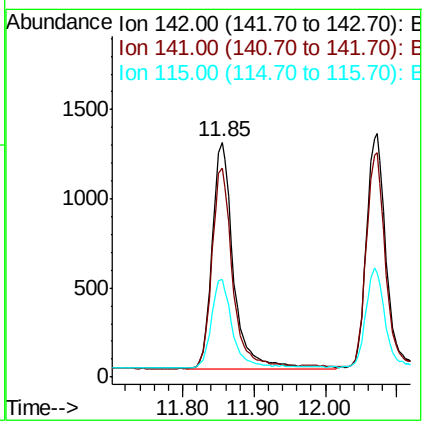


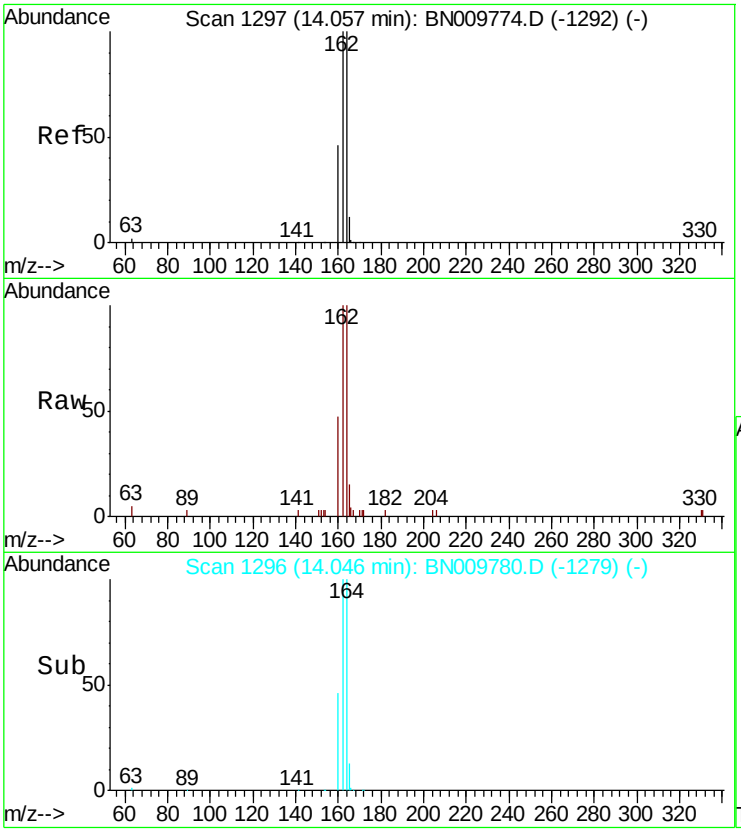


#12
2-Methylnaphthalene
Concen: 0.381 ng
RT: 11.85 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:142 Resp: 2639

Ion	Ratio	Lower	Upper
142	100		
141	89.2	69.8	104.6
115	41.4	34.6	52.0



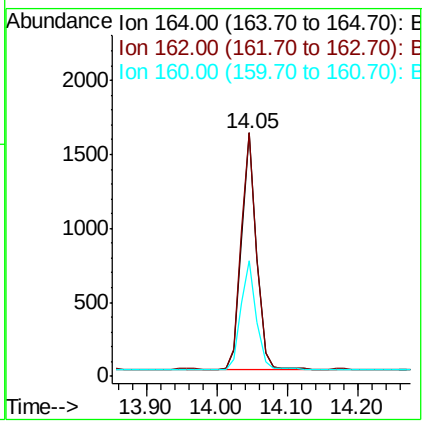


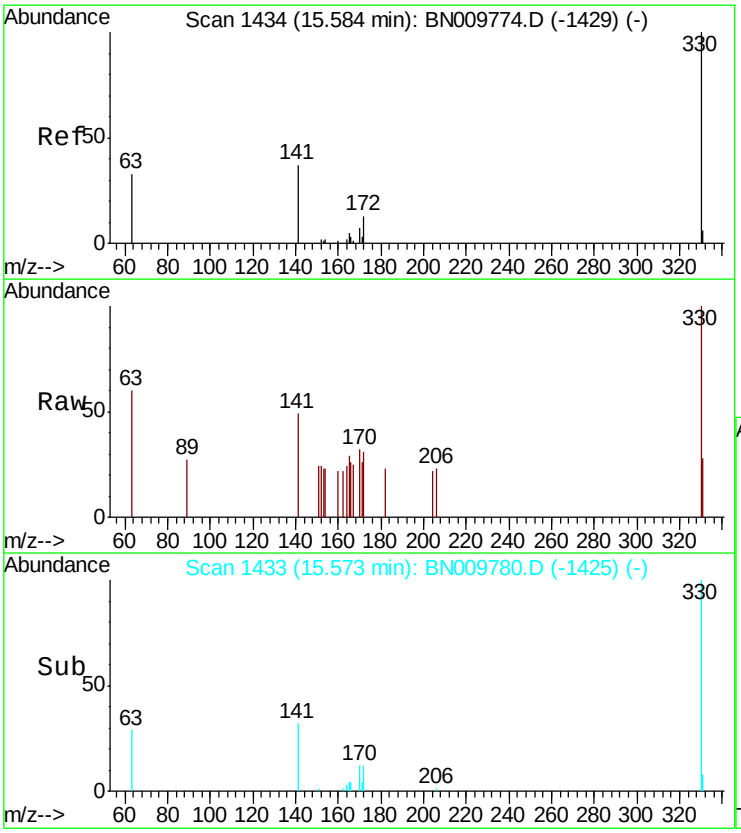
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:164 Resp: 2375

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.9	119.9
160	47.4	38.2	57.2

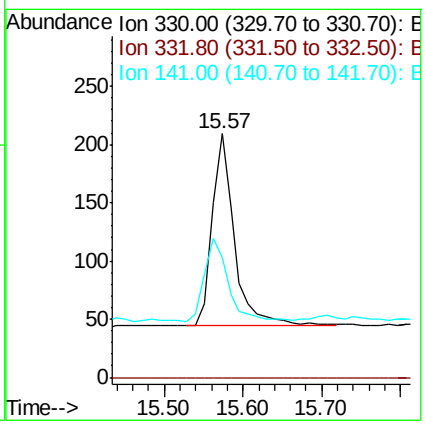


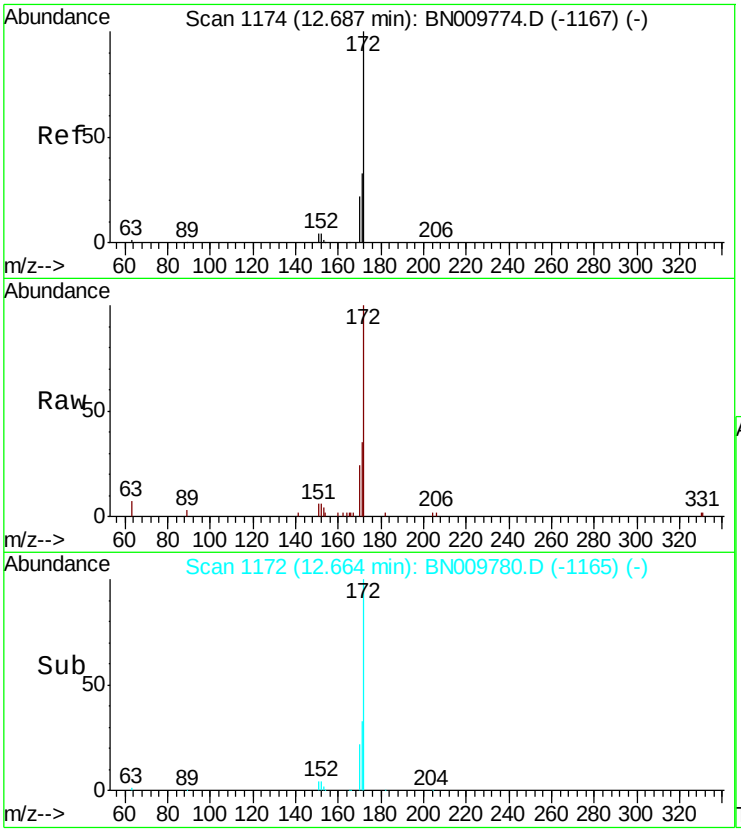


#14
2,4,6-Tribromophenol
Concen: 0.346 ng
RT: 15.57 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:330 Resp: 317

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	44.5	36.8	55.2



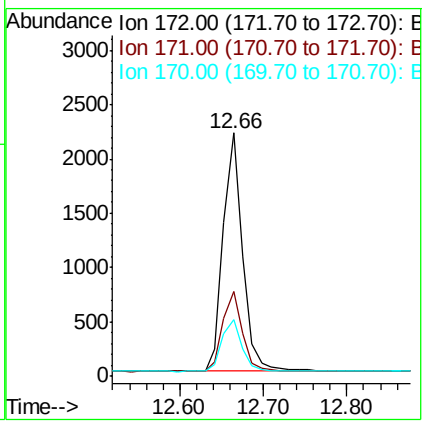


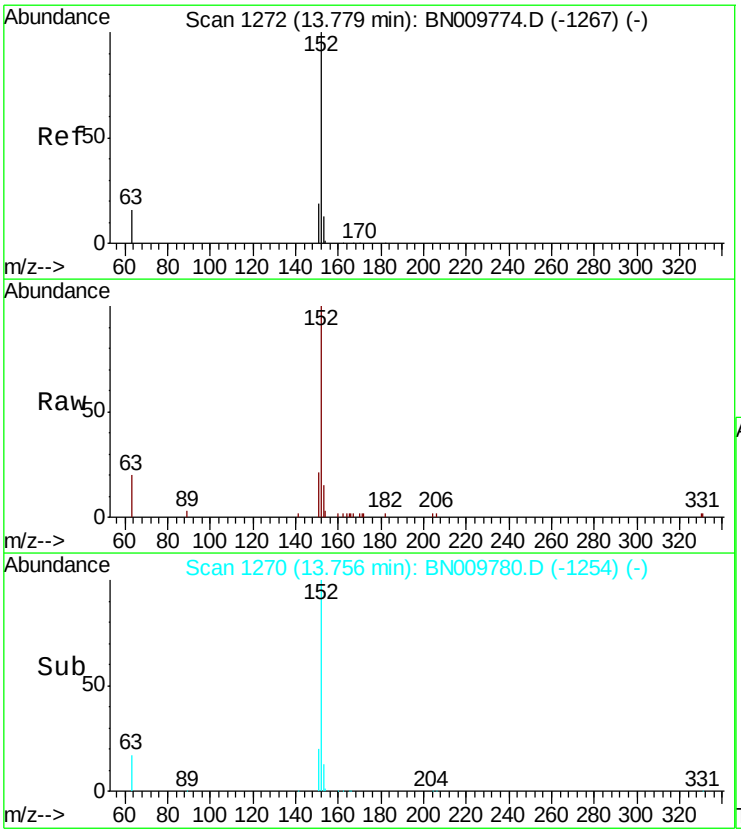
#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 12.66 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:172 Resp: 3555

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.7	43.1
170	23.6	20.1	30.1

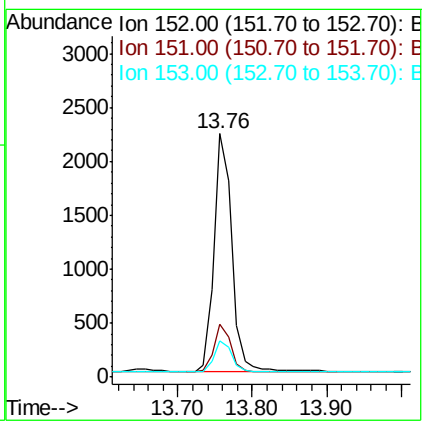


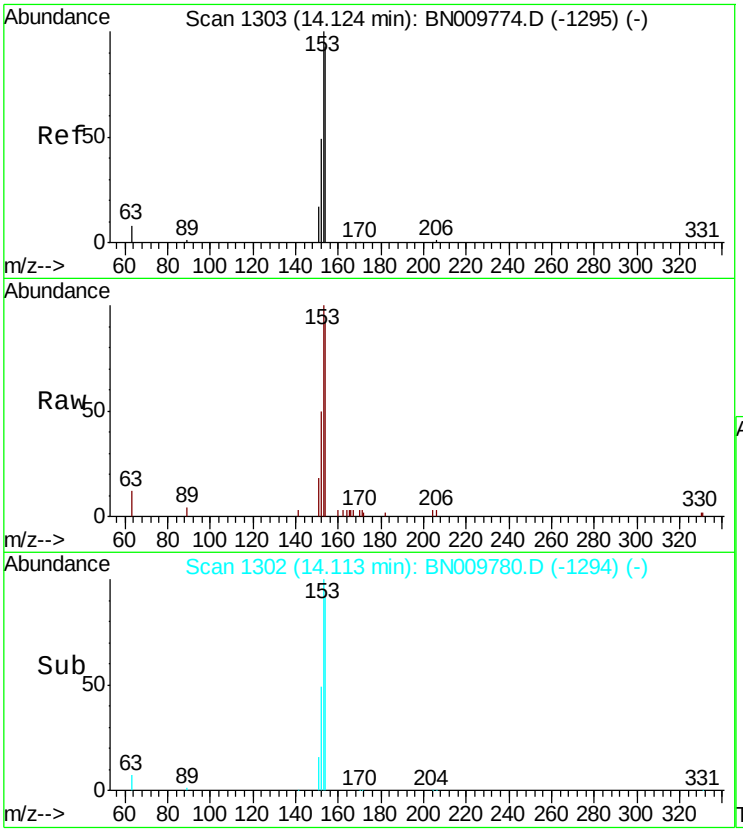


#16
Acenaphthylene
Concen: 0.361 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:152 Resp: 3657

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.6
153	13.0	10.2	15.4



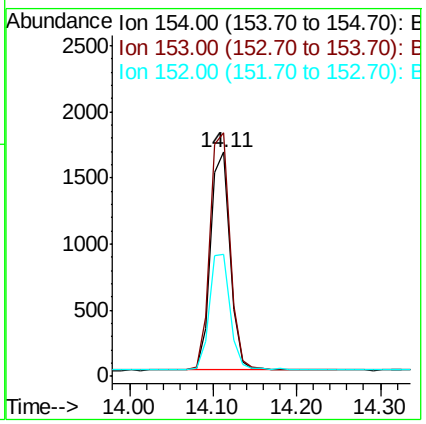


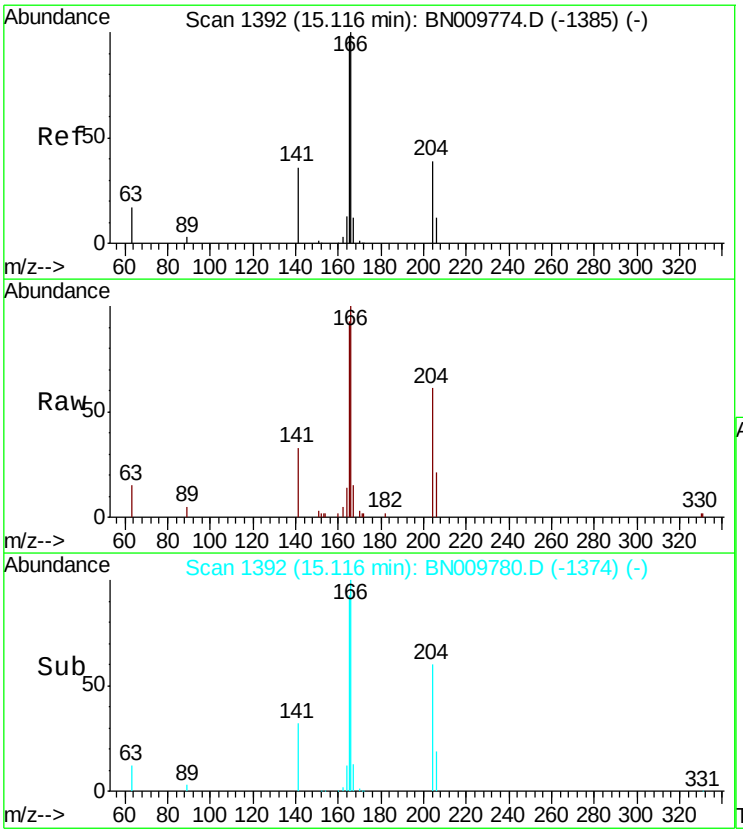
#17
Acenaphthene
Concen: 0.380 ng
RT: 14.11 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:154 Resp: 2706

Ion	Ratio	Lower	Upper
154	100		
153	112.1	88.9	133.3
152	56.7	44.2	66.2

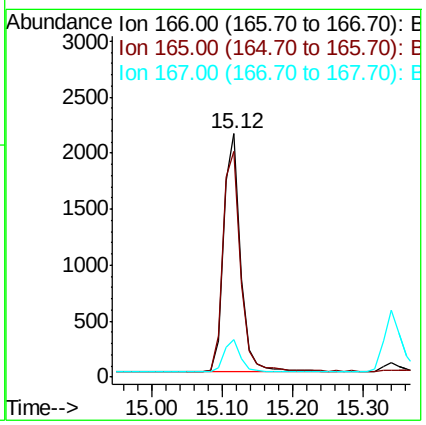


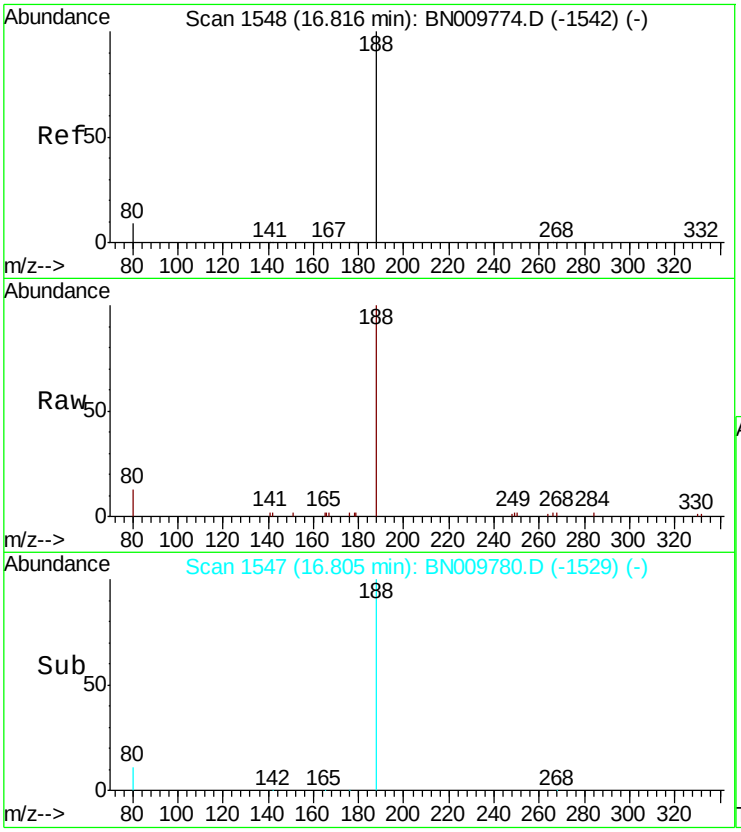


#18
Fluorene
Concen: 0.383 ng
RT: 15.12 min Scan# 1392
Delta R.T. -0.00 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:166 Resp: 3595

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.2	115.8
167	13.4	10.5	15.7



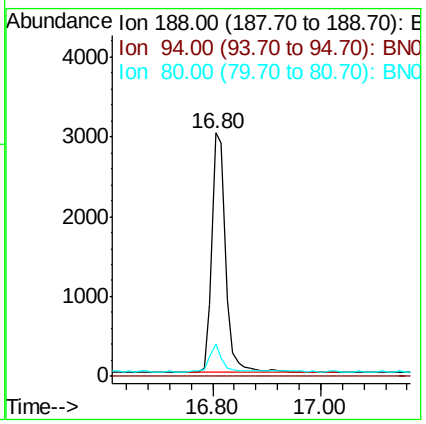


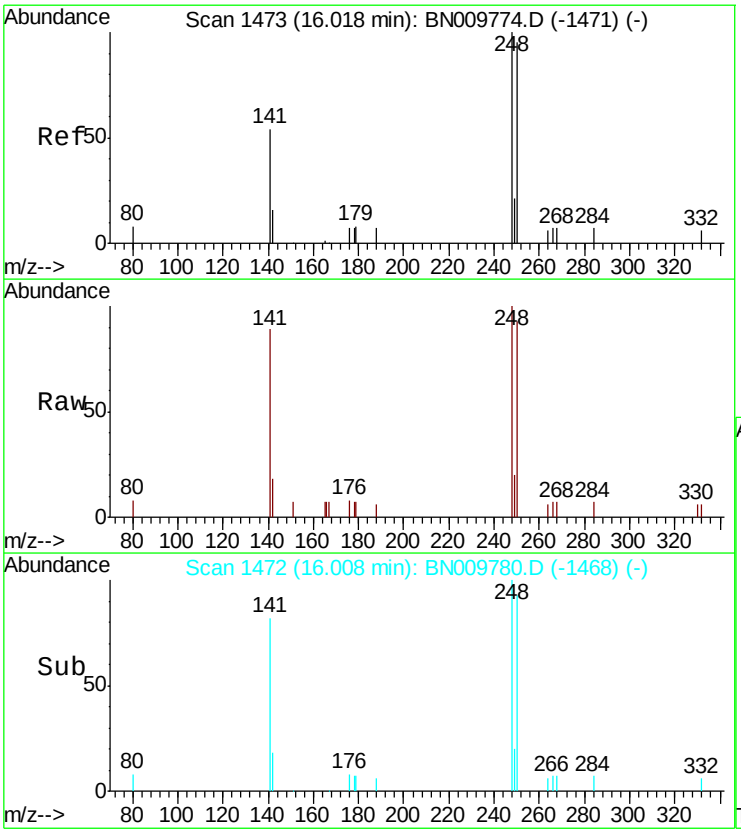
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:188 Resp: 5378

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.3	8.3	12.5#

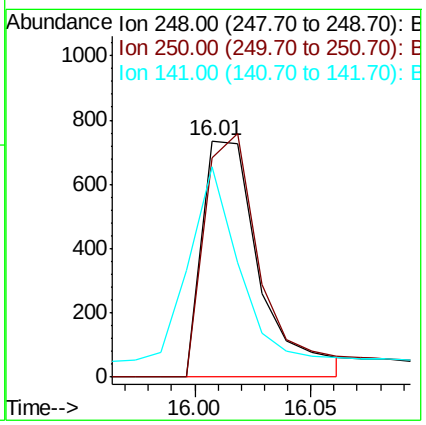


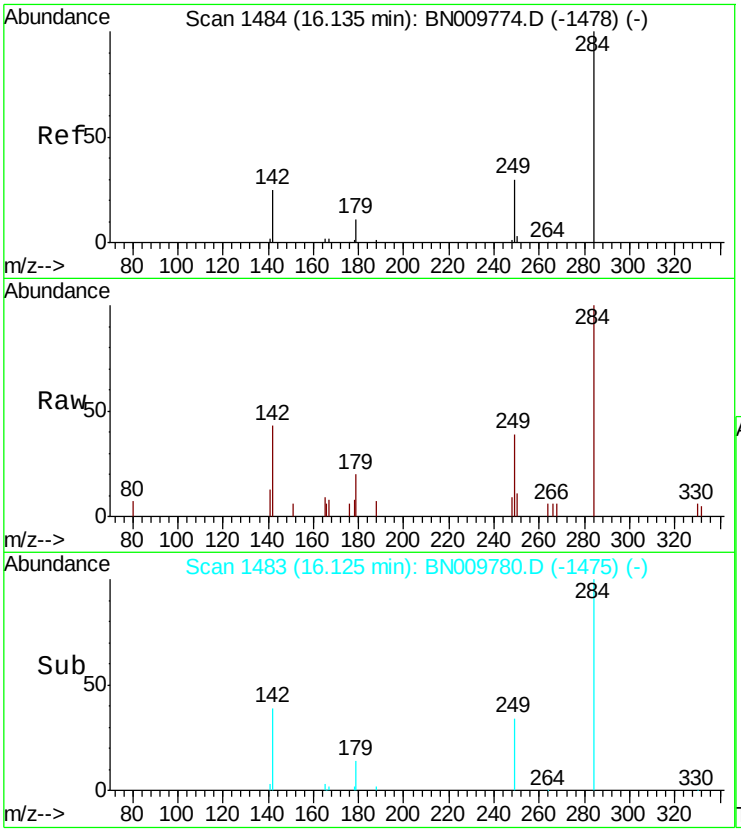


#20
4-Bromophenyl-phenylether
Concen: 0.328 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:248 Resp: 1269

Ion	Ratio	Lower	Upper
248	100		
250	92.8	76.2	114.4
141	88.9	57.8	86.6#



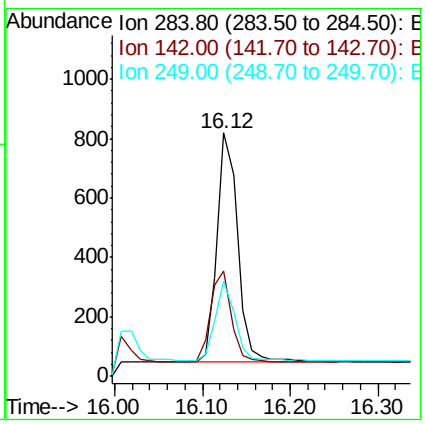


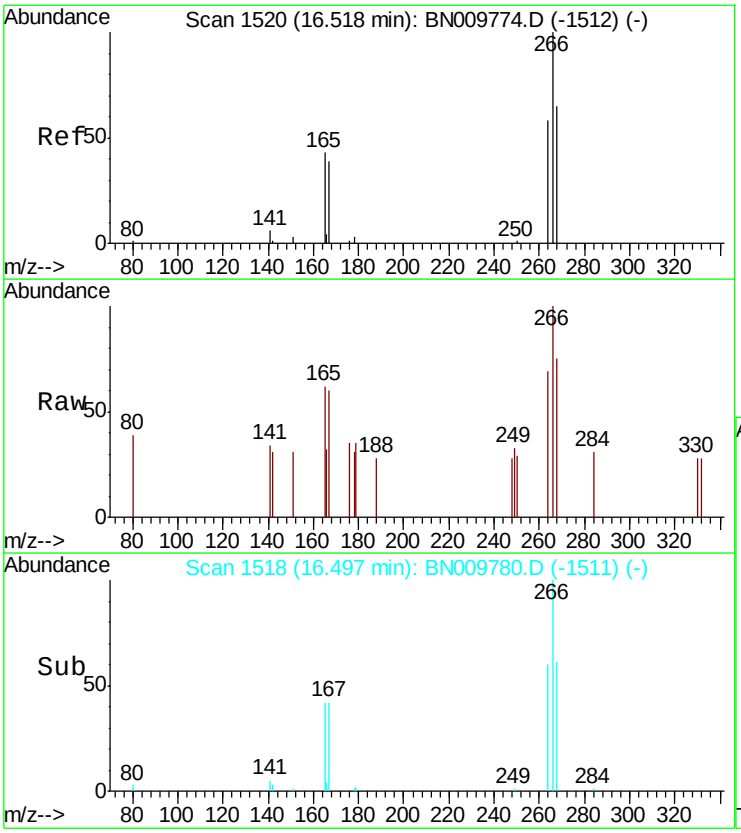
#21
Hexachlorobenzene
Concen: 0.376 ng
RT: 16.12 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:284 Resp: 1260

Ion	Ratio	Lower	Upper
284	100		
142	40.0	33.3	49.9
249	33.0	25.7	38.5

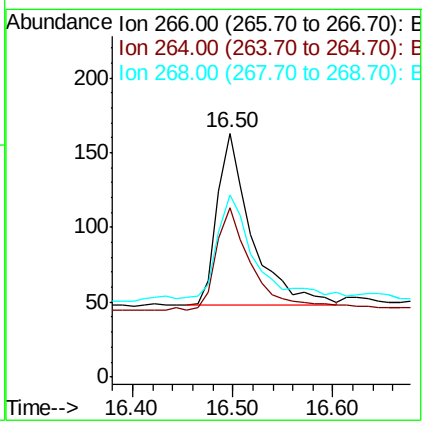


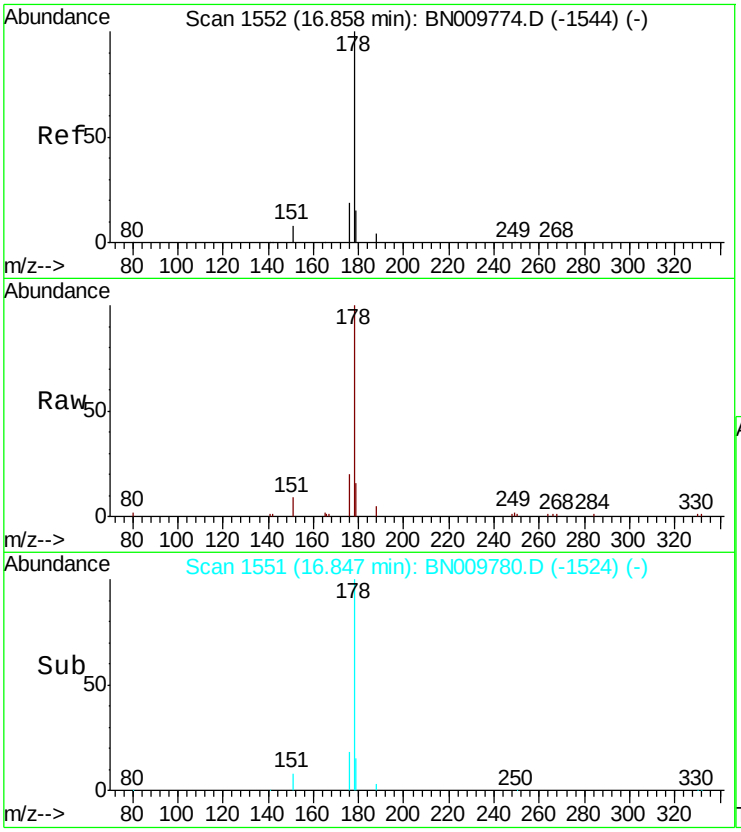


#22
Pentachlorophenol
Concen: 0.423 ng
RT: 16.50 min Scan# 1518
Delta R.T. -0.02 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:266 Resp: 274

Ion	Ratio	Lower	Upper
266	100		
264	69.3	58.1	87.1
268	74.8	65.7	98.5



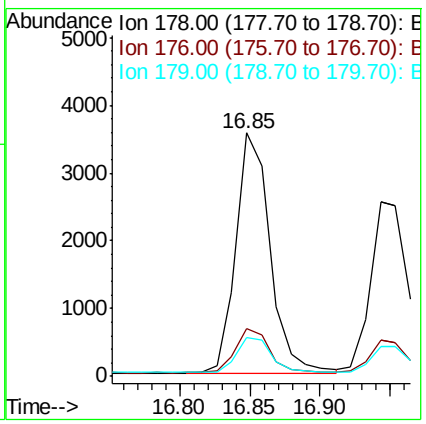


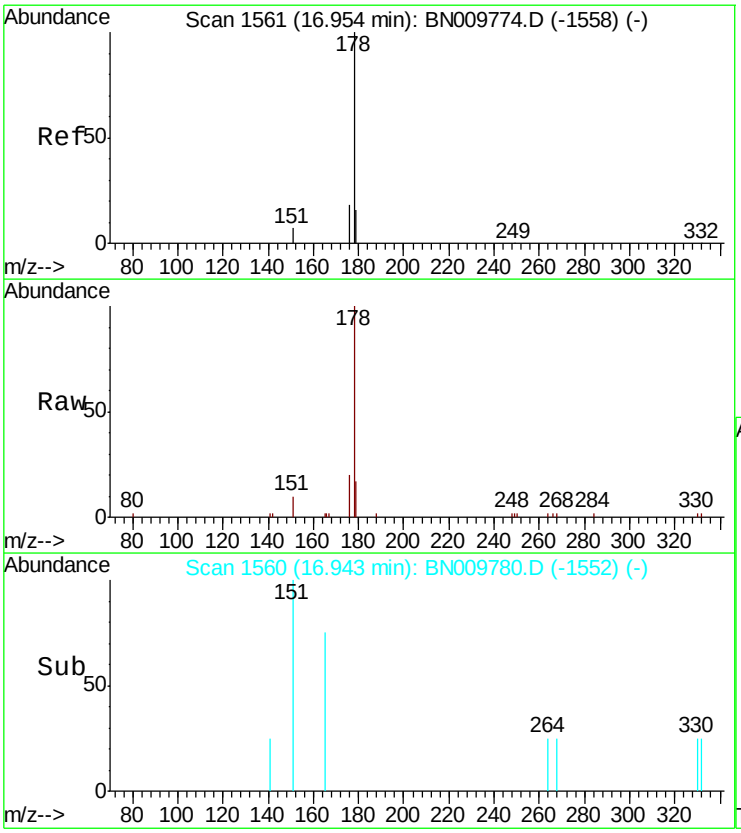
#23
Phenanthrene
Concen: 0.373 ng
RT: 16.85 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:178 Resp: 5970

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.4	12.4	18.6

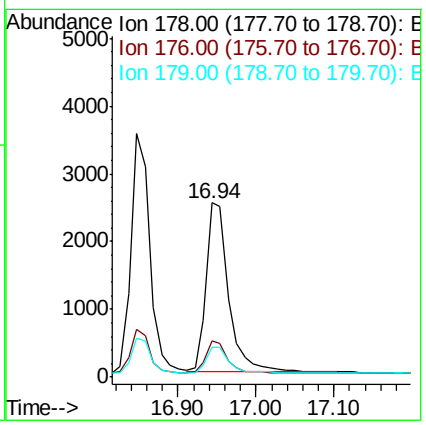


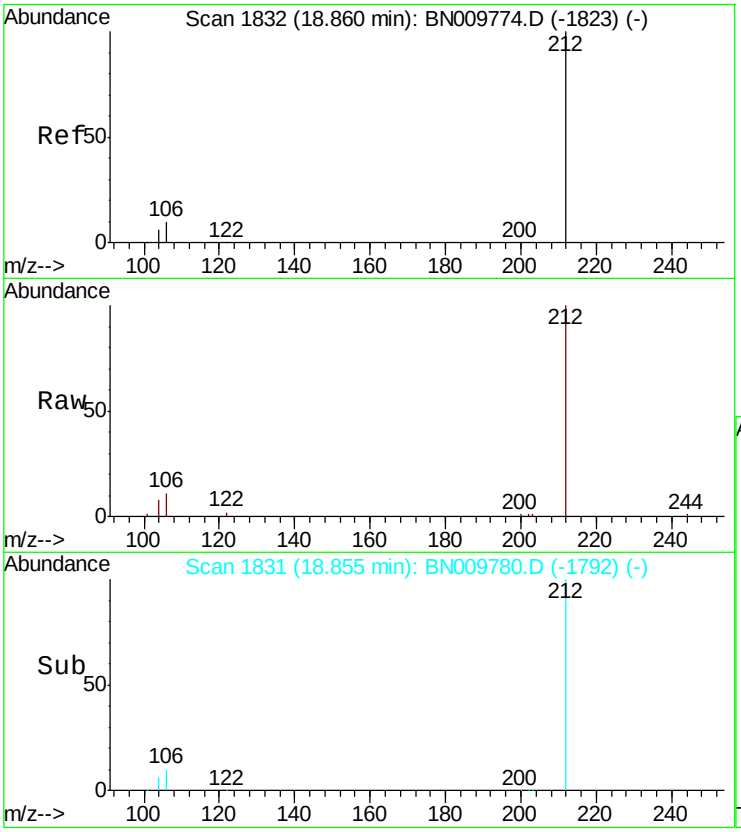


#24
Anthracene
Concen: 0.373 ng
RT: 16.94 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:178 Resp: 5051

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.3	21.5
179	15.7	12.4	18.6



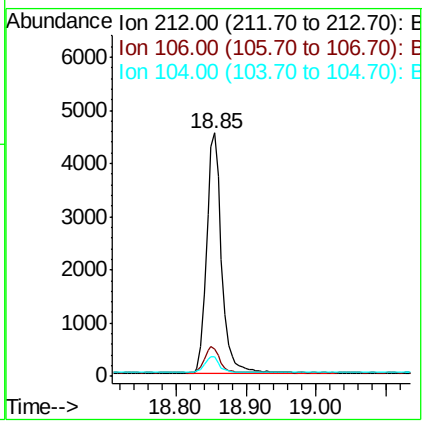


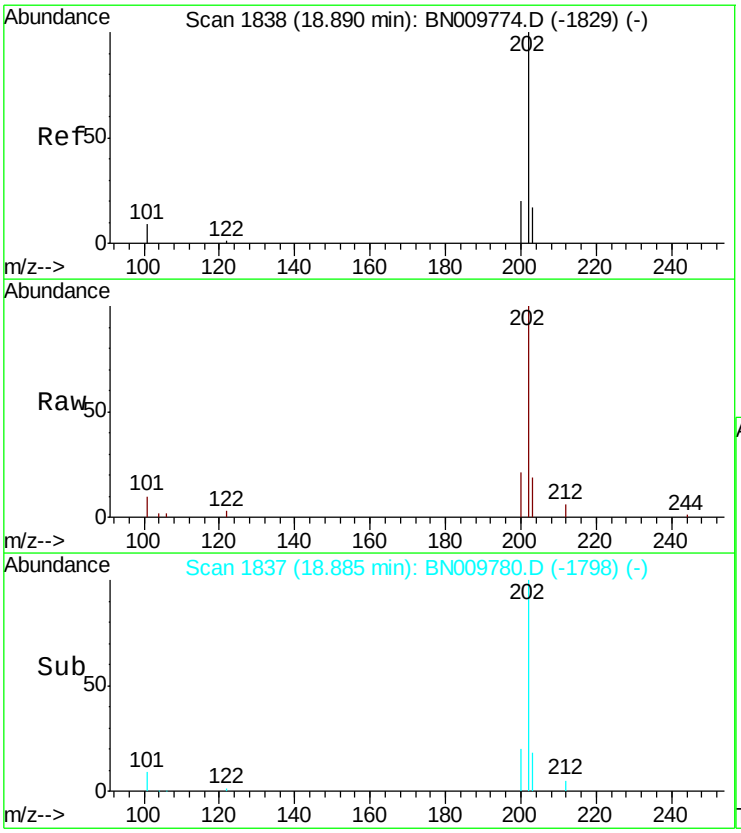
#25
Fluoranthene-d10
Concen: 0.371 ng
RT: 18.85 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:212 Resp: 6897

Ion	Ratio	Lower	Upper
212	100		
106	10.7	8.4	12.6
104	6.7	4.8	7.2

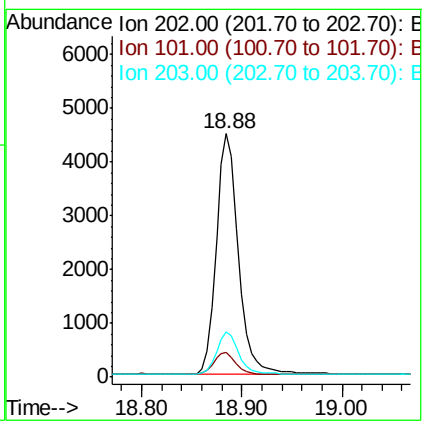


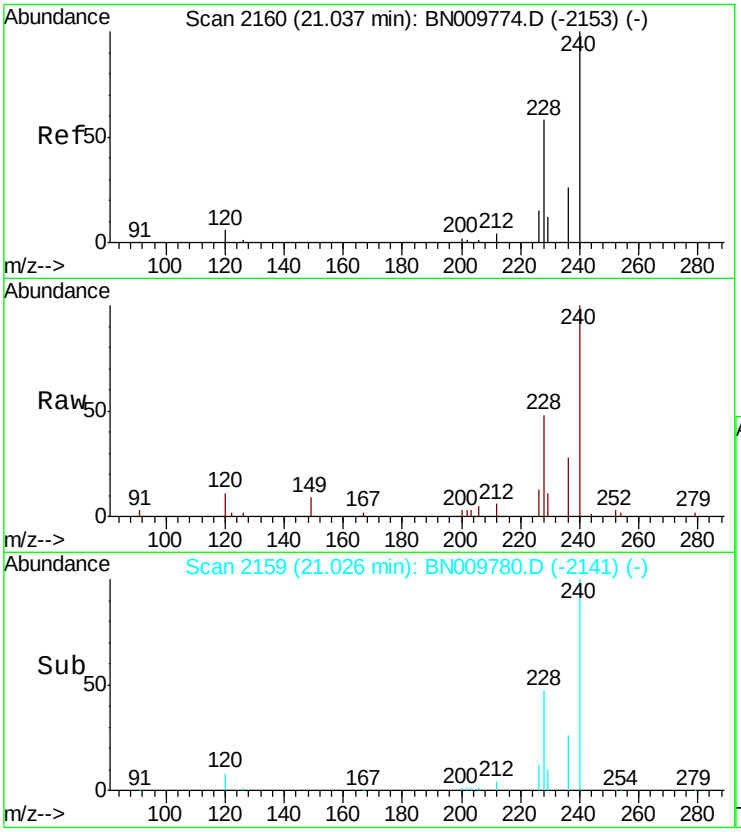


#26
Fluoranthene
Concen: 0.360 ng
RT: 18.88 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:202 Resp: 6896

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.1	10.7
203	17.6	13.8	20.6



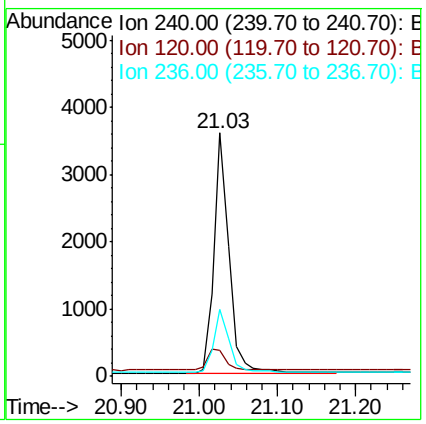


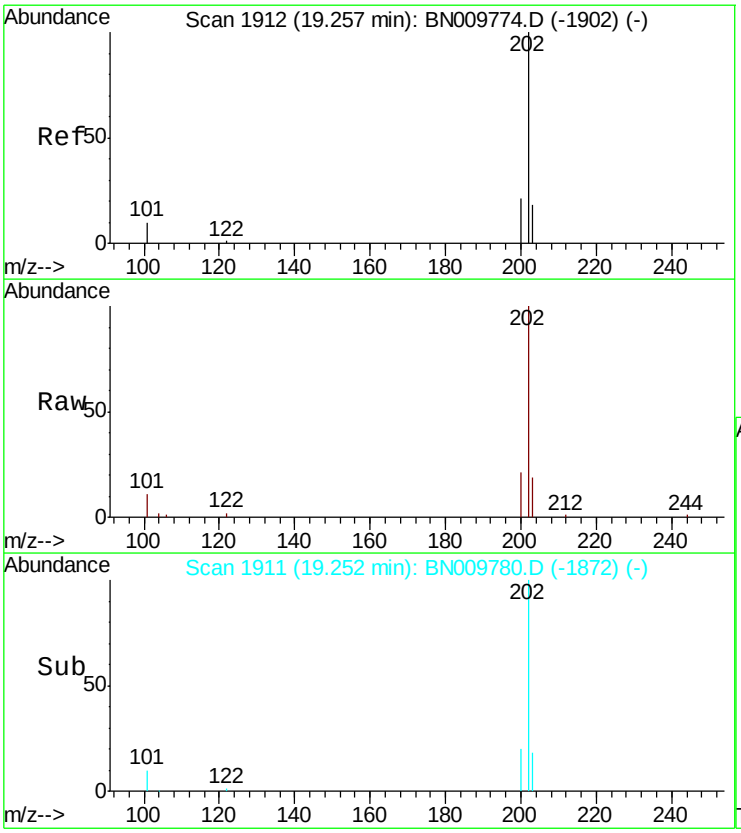
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:240 Resp: 4807

Ion	Ratio	Lower	Upper
240	100		
120	10.7	7.9	11.9
236	27.6	22.0	33.0

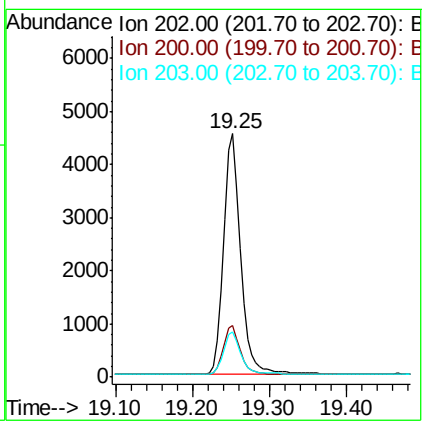


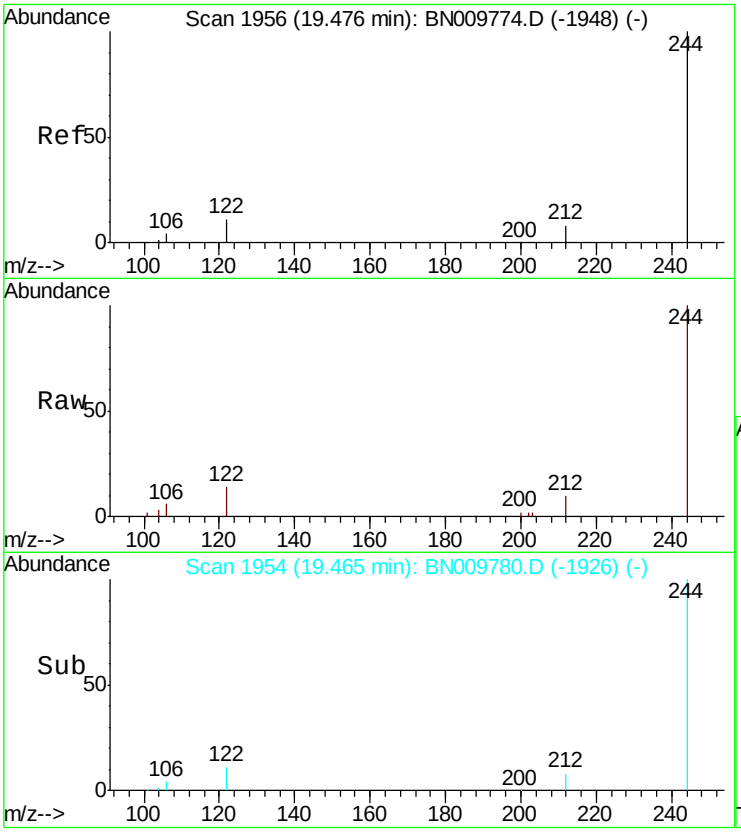


#28
Pyrene
Concen: 0.383 ng
RT: 19.25 min Scan# 1911
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:202 Resp: 6982

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	17.7	13.9	20.9



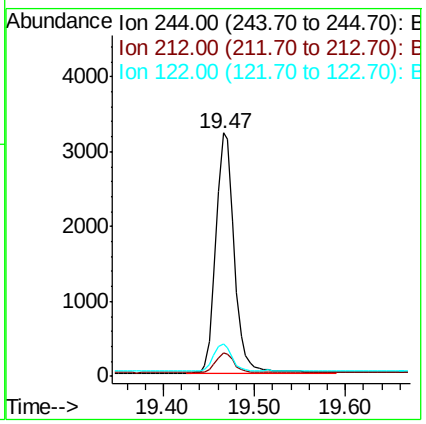


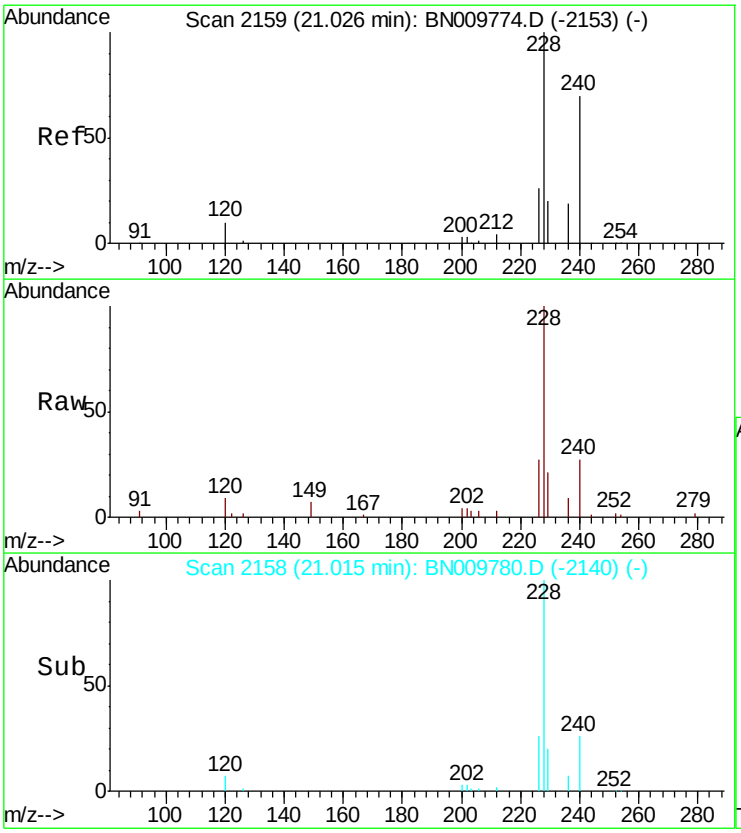
#29
Terphenyl-d14
Concen: 0.388 ng
RT: 19.47 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:244 Resp: 4458

Ion	Ratio	Lower	Upper
244	100		
212	9.6	8.0	12.0
122	13.6	10.0	15.0

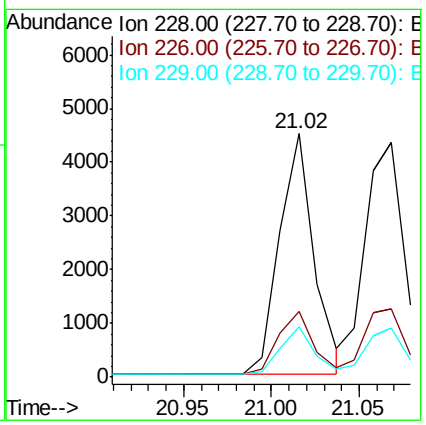


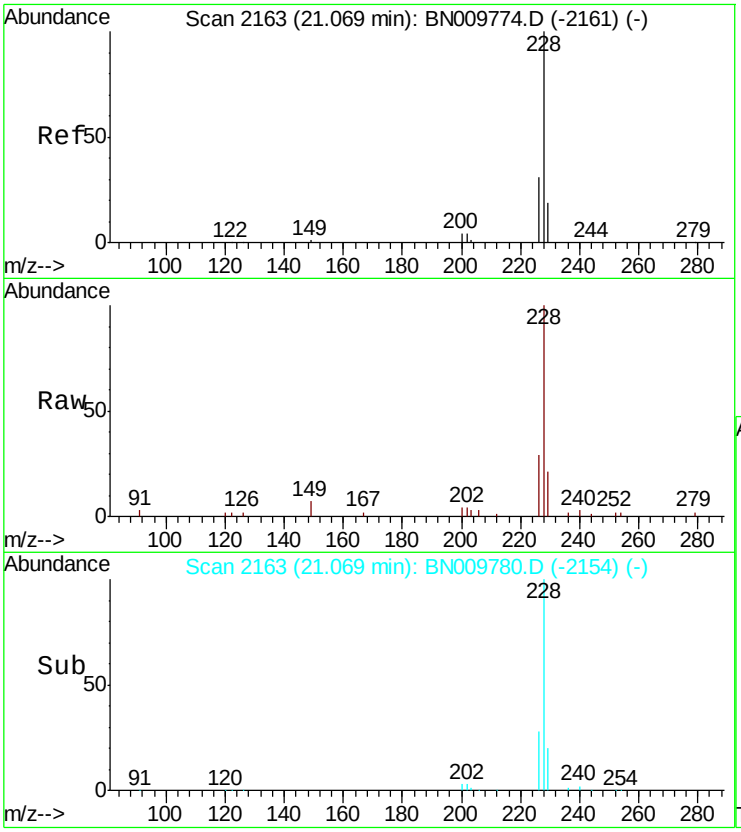


#30
Benzo(a)anthracene
Concen: 0.386 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:228 Resp: 6156

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.8	32.8
229	20.7	17.1	25.7



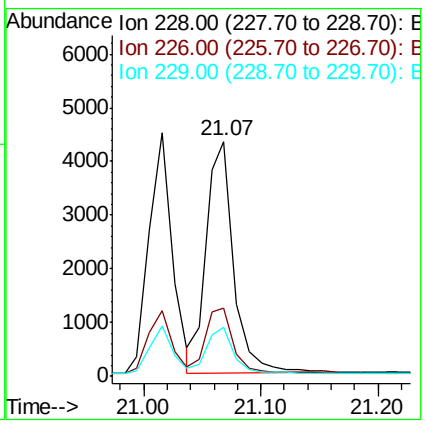


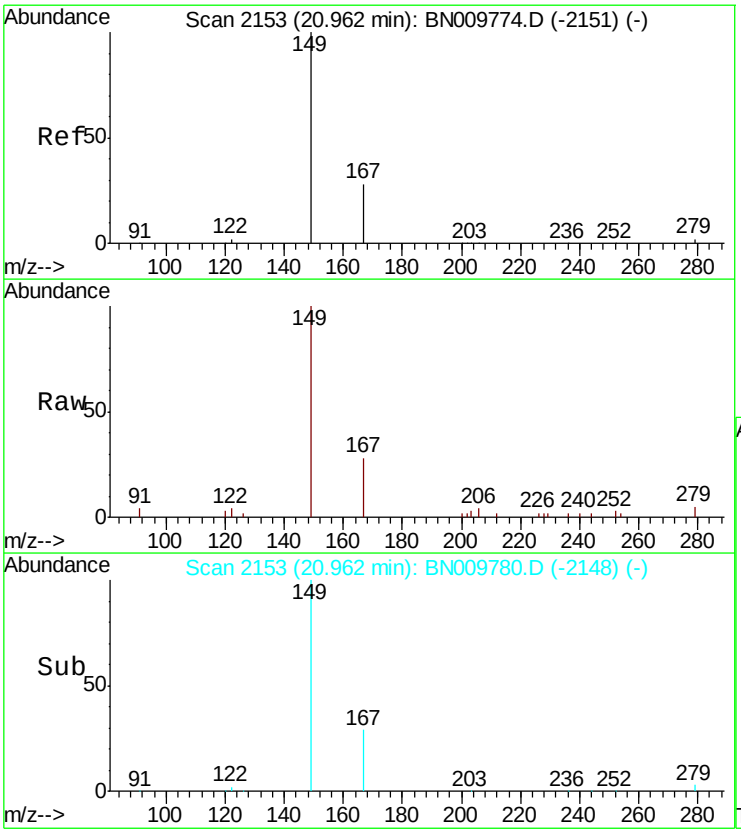
#31
Chrysene
Concen: 0.379 ng
RT: 21.07 min Scan# 2163
Delta R.T. -0.00 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:228 Resp: 6994

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.8	37.2
229	20.8	16.4	24.6

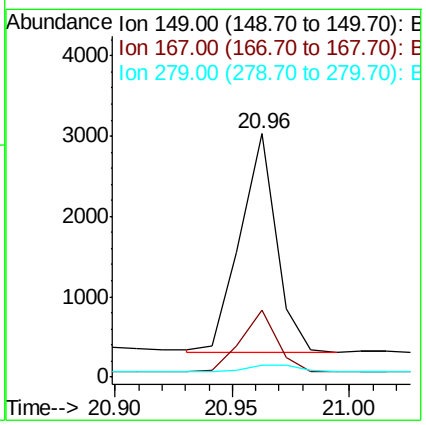


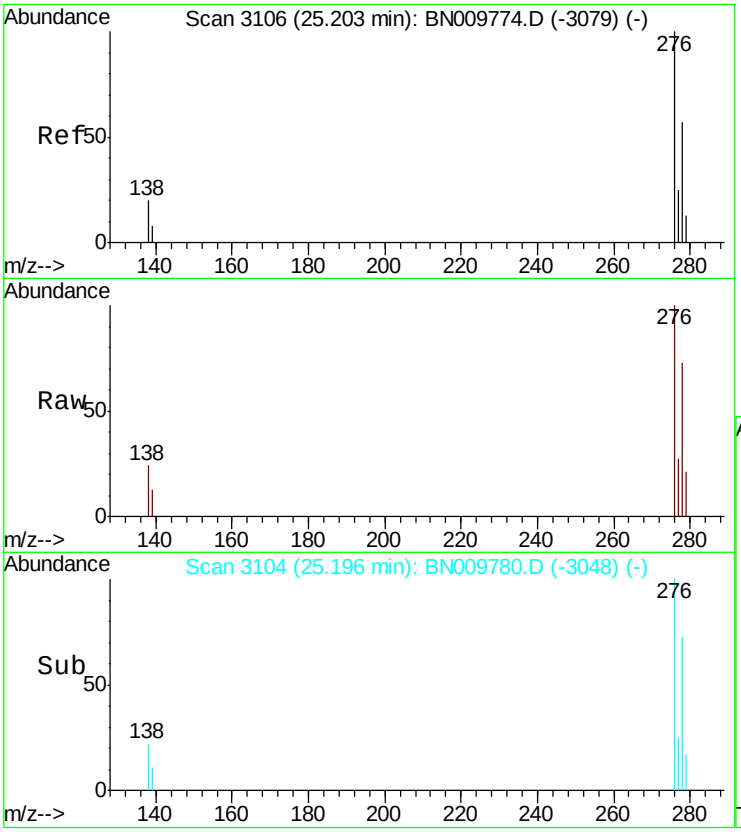


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.378 ng
RT: 20.96 min Scan# 2153
Delta R.T. -0.00 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:149 Resp: 2943

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.7	34.1
279	4.2	3.1	4.7



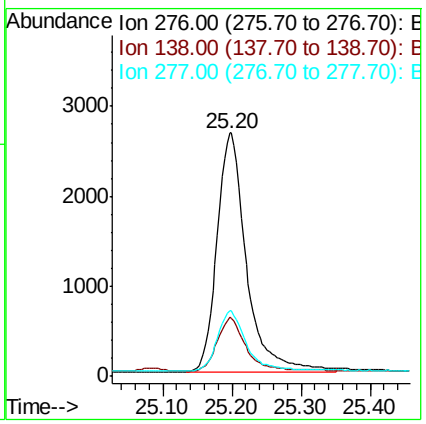


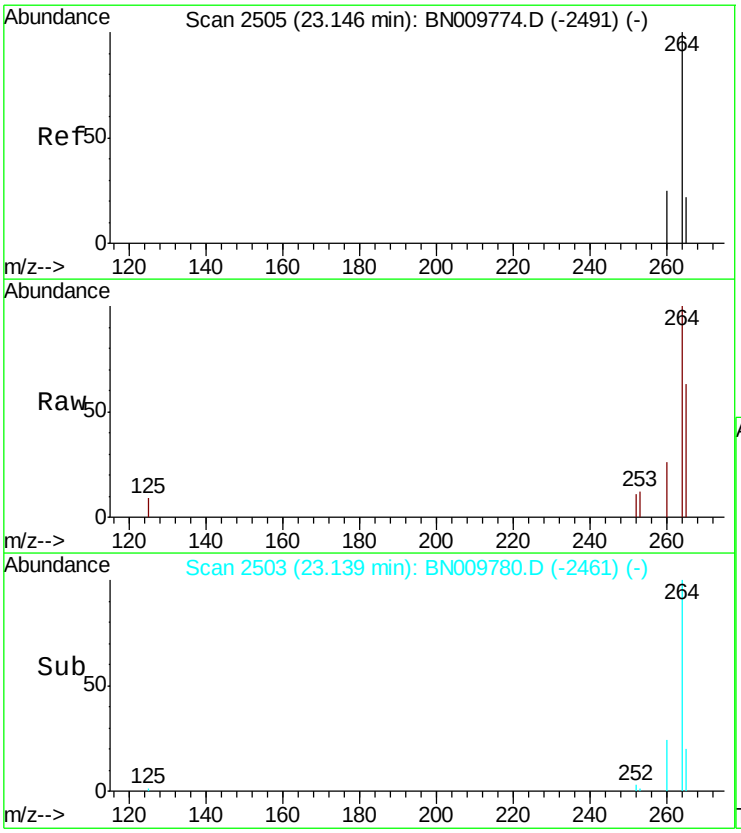
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.408 ng
RT: 25.20 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:276 Resp: 7834

Ion	Ratio	Lower	Upper
276	100		
138	20.3	15.8	23.6
277	23.8	19.3	28.9

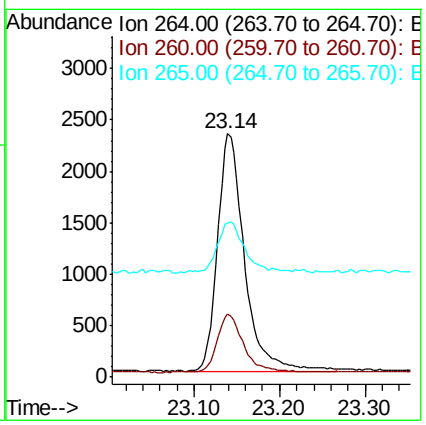


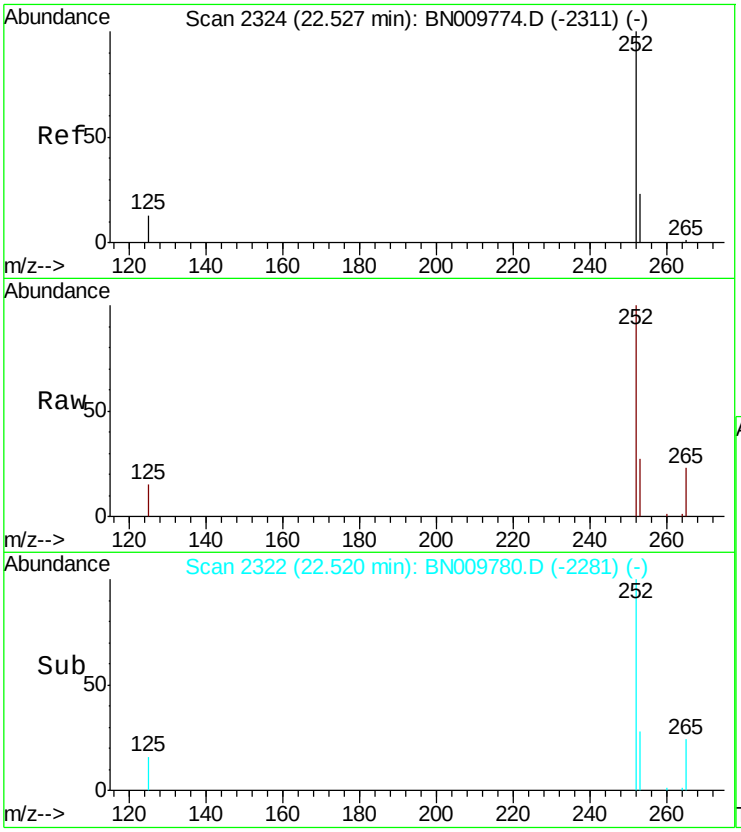


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.14 min Scan# 2503
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:264 Resp: 5044

Ion	Ratio	Lower	Upper
264	100		
260	25.9	21.1	31.7
265	63.5	57.5	86.3



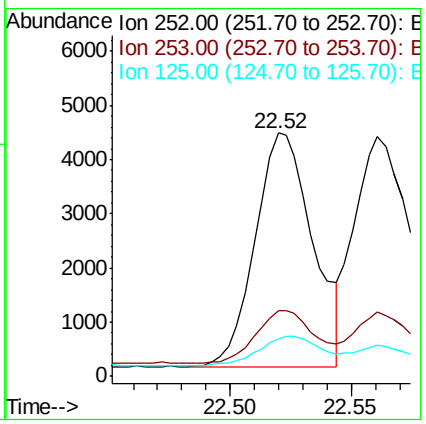


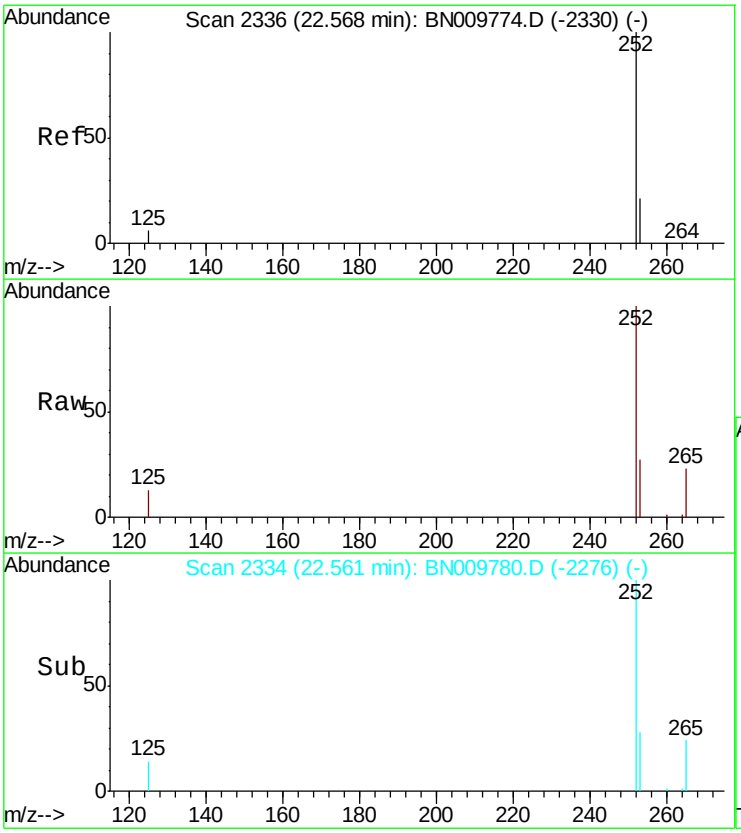
#35
Benzo(b)fluoranthene
Concen: 0.388 ng
RT: 22.52 min Scan# 2322
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:252 Resp: 7151

Ion	Ratio	Lower	Upper
252	100		
253	26.8	23.0	34.6
125	15.2	14.4	21.6

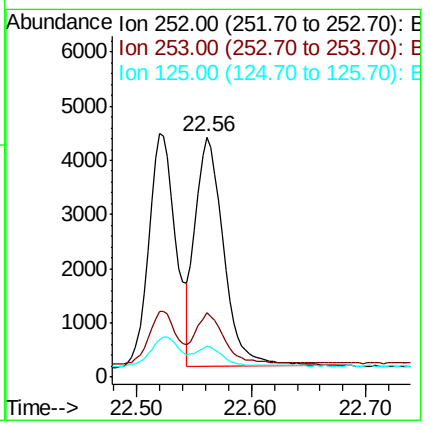


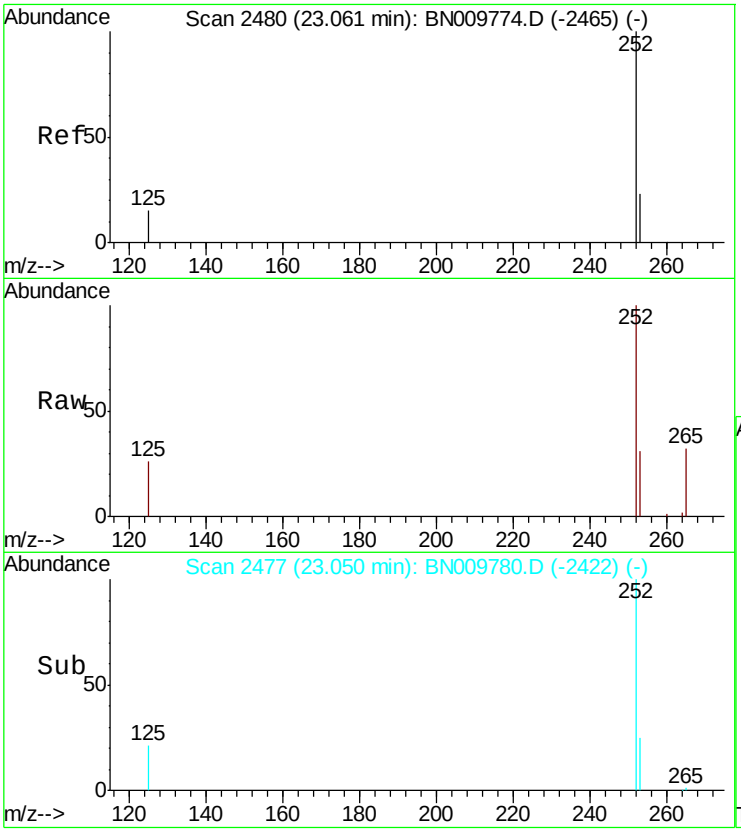


#36
Benzo(k)fluoranthene
Concen: 0.360 ng
RT: 22.56 min Scan# 2334
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:252 Resp: 7234

Ion	Ratio	Lower	Upper
252	100		
253	26.9	22.2	33.2
125	13.2	10.5	15.7



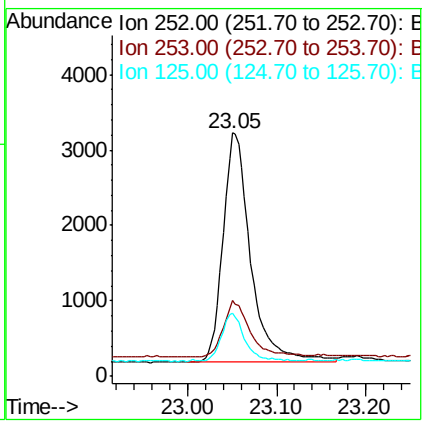


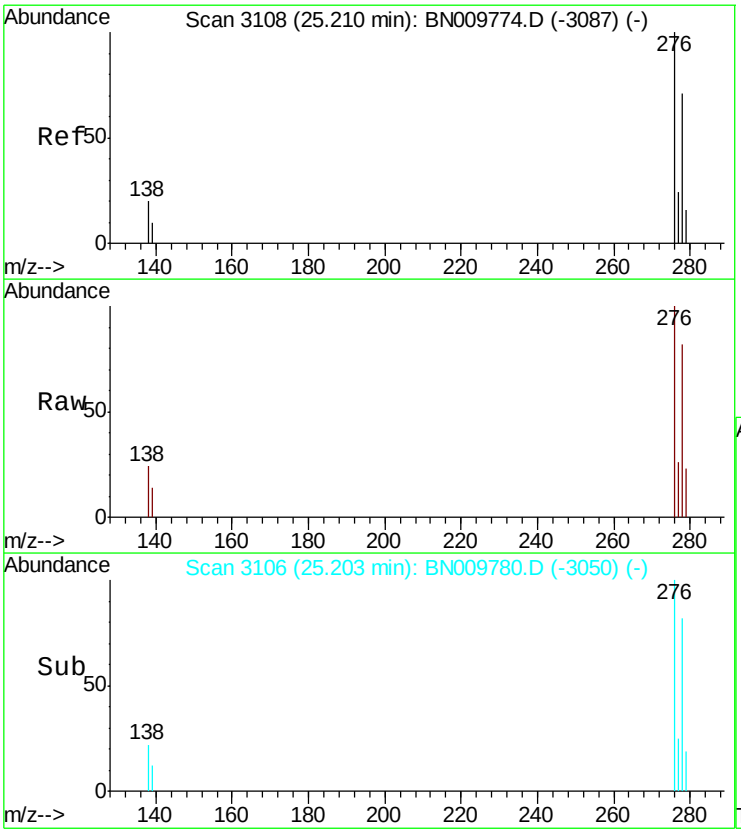
#37
Benzo(a)pyrene
Concen: 0.391 ng
RT: 23.05 min Scan# 2477
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:252 Resp: 6582

Ion	Ratio	Lower	Upper
252	100		
253	31.4	25.3	37.9
125	26.1	17.7	26.5

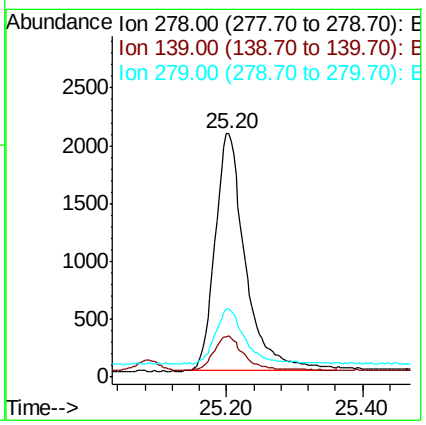


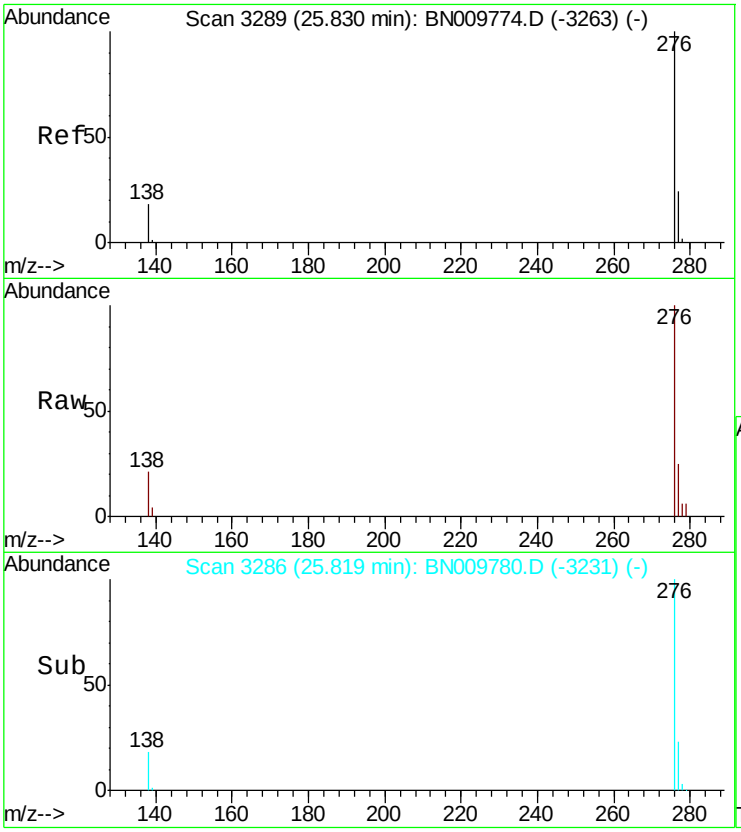


#38
Dibenzo(a,h)anthracene
Concen: 0.384 ng
RT: 25.20 min Scan# 3106
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Tgt Ion:278 Resp: 6367

Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.5	21.7
279	27.8	24.3	36.5





#39
Benzo(g,h,i)perylene
Concen: 0.375 ng
RT: 25.82 min Scan# 3286
Delta R.T. -0.01 min
Lab File: BN009780.D
Acq: 19 Feb 2020 16:46

Instrument :
BNA_N
ClientSampleId :
PB126695BS

Tgt Ion:276 Resp: 6625

Ion	Ratio	Lower	Upper
276	100		
277	25.3	21.4	32.0
138	20.7	16.6	24.8