Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022020\
Data File : BN009789.D
Acq On : 20 Feb 2020 21:25
Operator : CG/JU
Sample : PB126764BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PB126764BS

Quant Time: Feb 21 02:50:40 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	7.41	152	1812	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	6034	0.40	ng	-0.03
13) Acenaphthene-d10	14.04	164	3558	0.40	ng	-0.02
19) Phenanthrene-d10	16.81	188	7054	0.40	ng	0.00
27) Chrysene-d12	21.03	240	4836	0.40	ng	0.00
34) Perylene-d12	23.13	264	4039	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.07	112	1987	0.49	ng	-0.02
5) Phenol-d6	6.62	99	2391	0.49	ng	-0.02
8) Nitrobenzene-d5	8.57	82	2706	0.54	ng	-0.03
11) 2-Methylnaphthalene-d10	11.76	152	4524	0.39	ng	-0.02
14) 2,4,6-Tribromophenol	15.57	330	496	0.36	ng	-0.02
15) 2-Fluorobiphenyl	12.66	172	7175	0.53	ng	-0.03
25) Fluoranthene-d10	18.85	212	7452	0.31	ng	0.00
29) Terphenyl-d14	19.46	244	11301	0.98	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.09	88	595	0.321	ng	# 33
3) n-Nitrosodimethylamine	3.40	42	1282	0.421	ng	# 83
6) bis(2-Chloroethyl)ether	6.86	93	1723	0.361	ng	88
9) Naphthalene	10.20	128	6004	0.365	ng	97
10) Hexachlorobutadiene	10.49	225	1202	0.332	ng	# 98
12) 2-Methylnaphthalene	11.84	142	4095	0.363	ng	97
16) Acenaphthylene	13.76	152	5543	0.365	ng	99
17) Acenaphthene	14.11	154	3784	0.355	ng	99
18) Fluorene	15.11	166	4820	0.342	ng	100
20) 4-Bromophenyl-phenylether	16.01	248	1018	0.139	ng	# 85
21) Hexachlorobenzene	16.12	284	1584	0.361	ng	97
22) Pentachlorophenol	16.49	266	871	0.771	ng	90
23) Phenanthrene	16.84	178	7098	0.338	ng	99
24) Anthracene	16.95	178	6442	0.363	ng	99
26) Fluoranthene	18.88	202	8059	0.321	ng	99
28) Pyrene	19.25	202	8042	0.438	ng	99
30) Benzo(a)anthracene	21.01	228	5840	0.364	ng	99
31) Chrysene	21.06	228	6405	0.345	ng	99
32) Bis(2-ethylhexyl)phthalate	20.95	149	2933	0.375	ng	99
33) Indeno(1,2,3-cd)pyrene	25.18	276	6389	0.330	ng	99
35) Benzo(b)fluoranthene	22.51	252	5284	0.358	ng	99
36) Benzo(k)fluoranthene	22.56	252	5893	0.367	ng	97
37) Benzo(a)pyrene	23.05	252	5096	0.378	ng	98
38) Dibenzo(a,h)anthracene	25.20	278	5313	0.400	ng	99
39) Benzo(g,h,i)perylene	25.80	276	5894	0.417	ng	98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022020\
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Acq On : 20 Feb 2020 21:25
Operator : CG/JU
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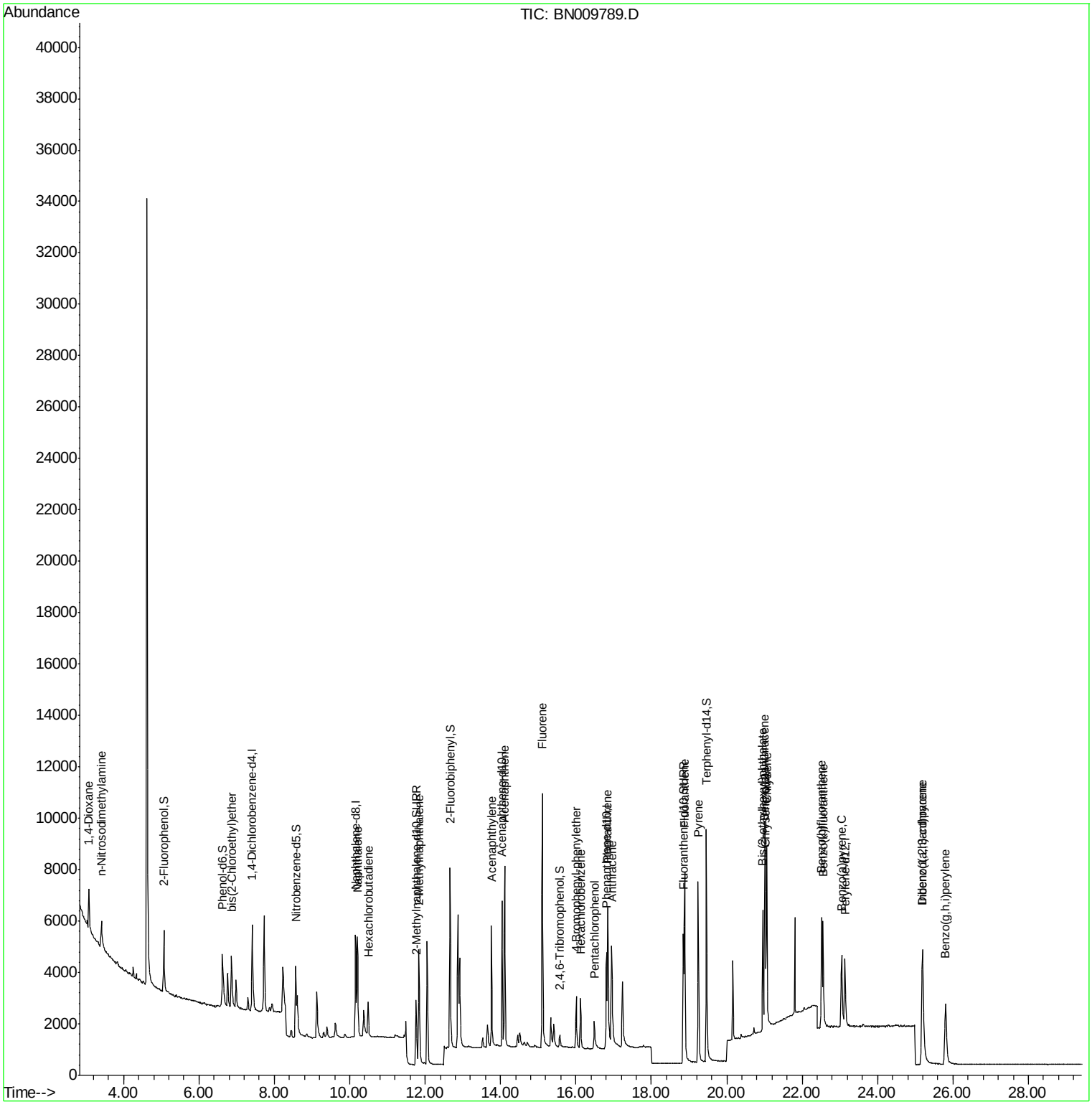
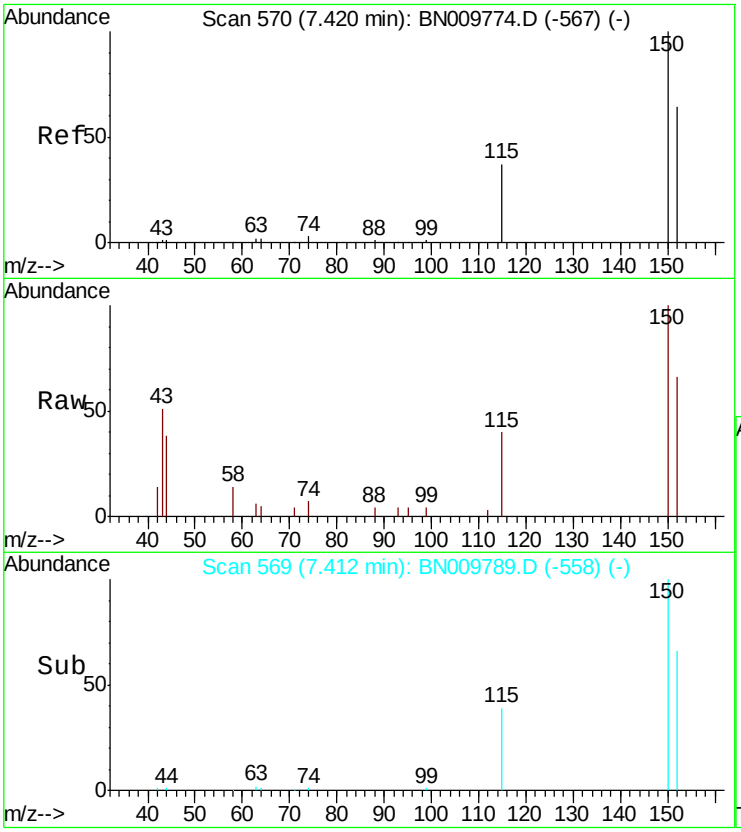
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Quant Time: Feb 21 02:50:40 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



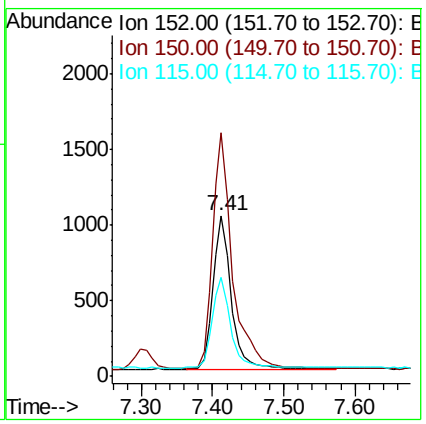


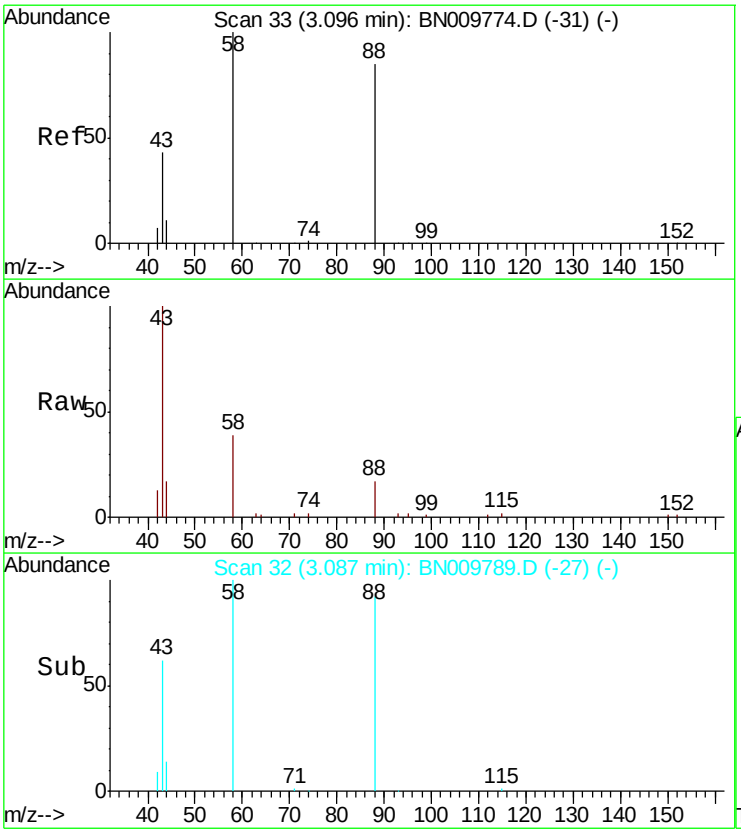
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:152 Resp: 1812

Ion	Ratio	Lower	Upper
152	100		
150	151.2	120.6	181.0
115	61.2	51.2	76.8

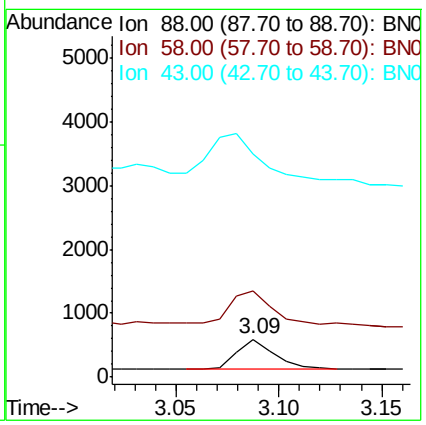


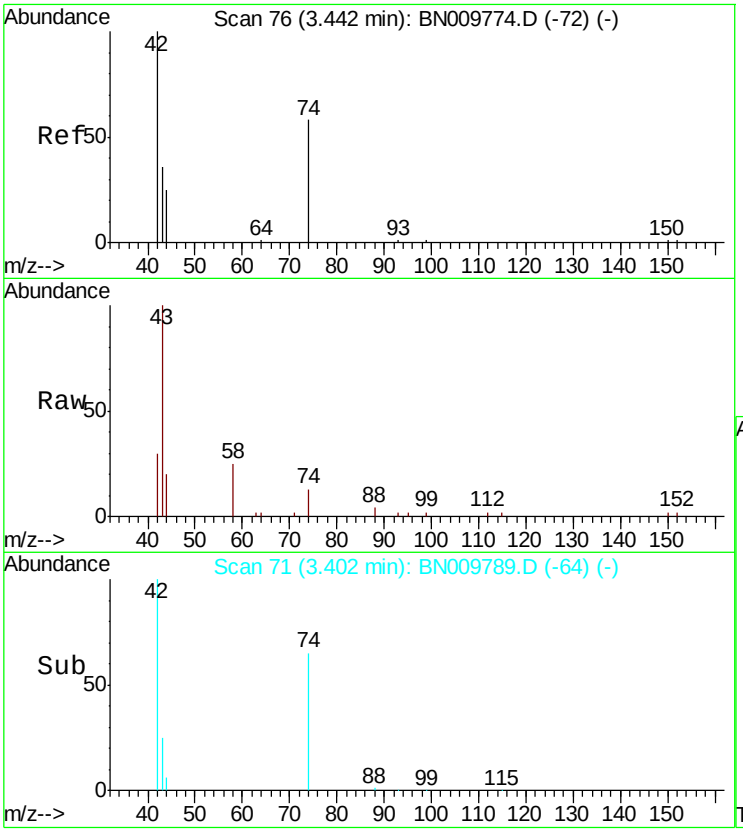


#2
1,4-Dioxane
Concen: 0.321 ng
RT: 3.09 min Scan# 32
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion: 88 Resp: 595

Ion	Ratio	Lower	Upper
88	100		
58	113.1	97.8	146.8
43	198.3	45.1	67.7#



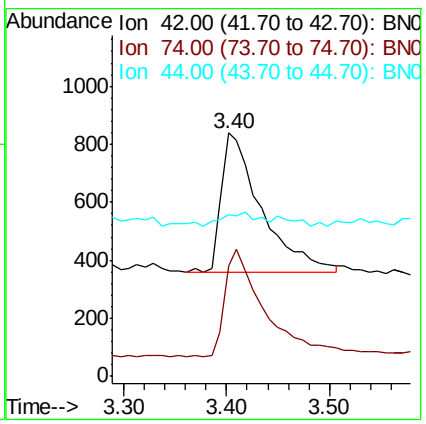


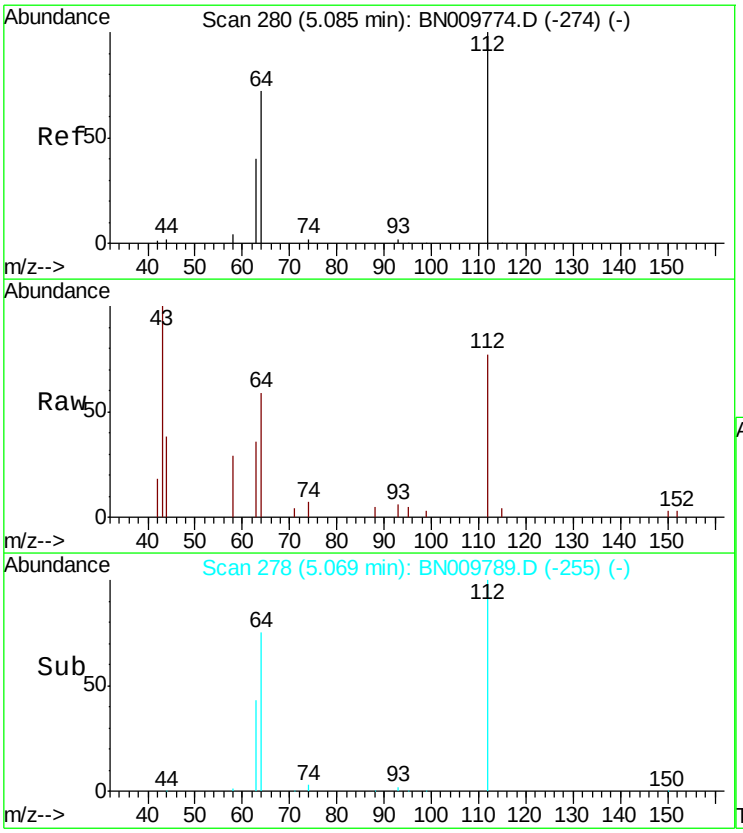
#3
n-Nitrosodimethylamine
Concen: 0.421 ng
RT: 3.40 min Scan# 71
Delta R.T. -0.04 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion: 42 Resp: 1282

Ion	Ratio	Lower	Upper
42	100		
74	77.5	51.2	76.8#
44	8.3	2.6	4.0#

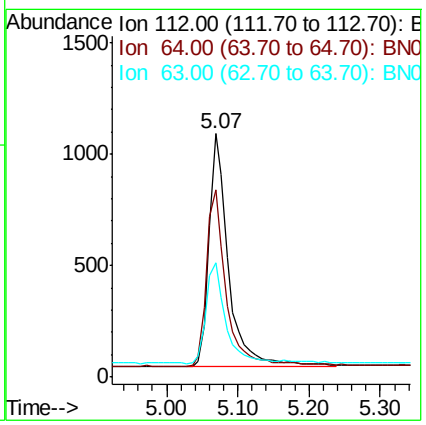


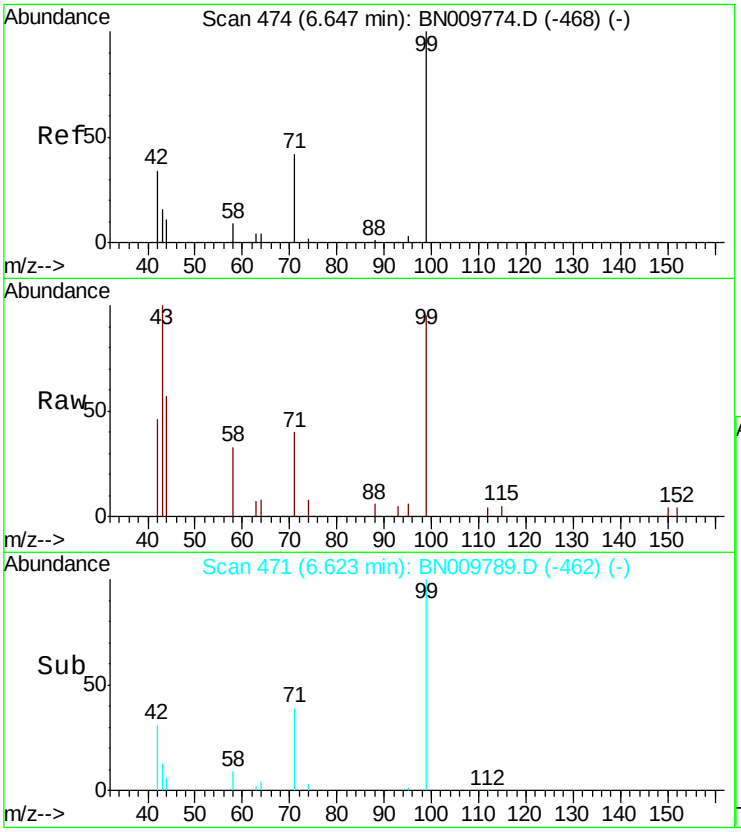


#4
2-Fluorophenol
Concen: 0.493 ng
RT: 5.07 min Scan# 278
Delta R.T. -0.02 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:112 Resp: 1987

Ion	Ratio	Lower	Upper
112	100		
64	77.2	65.8	98.6
63	44.2	38.7	58.1



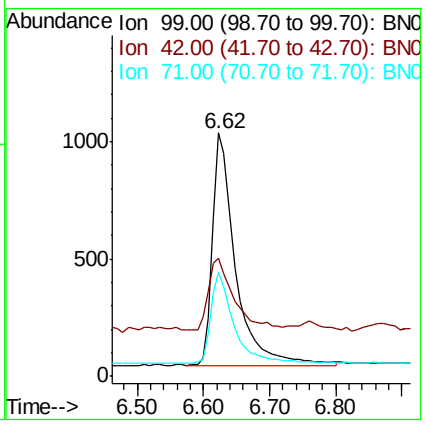


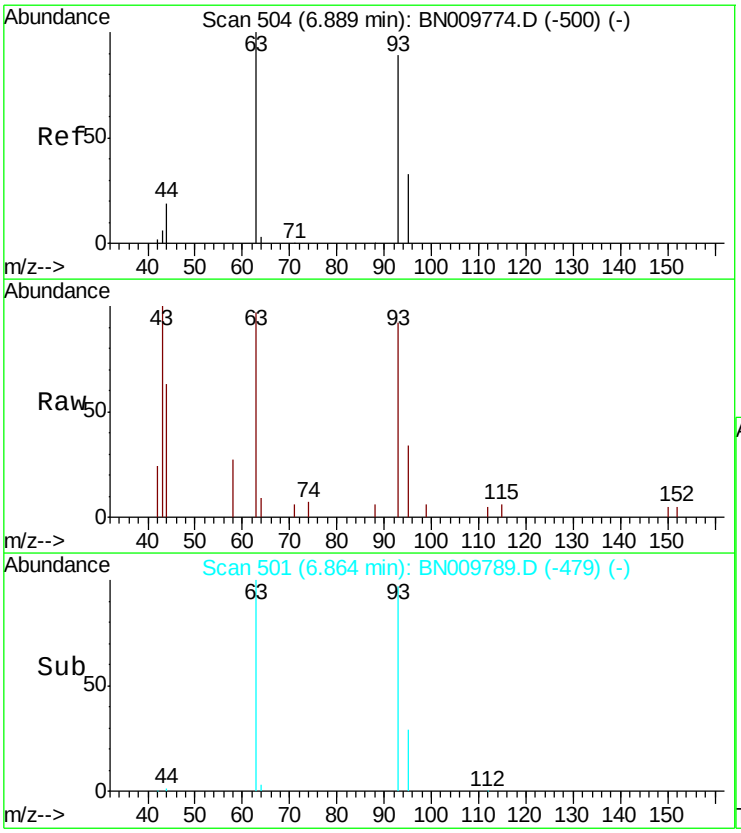
#5
Phenol-d6
Concen: 0.488 ng
RT: 6.62 min Scan# 471
Delta R.T. -0.02 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion: 99 Resp: 2391

Ion	Ratio	Lower	Upper
99	100		
42	33.5	30.8	46.2
71	39.6	34.9	52.3

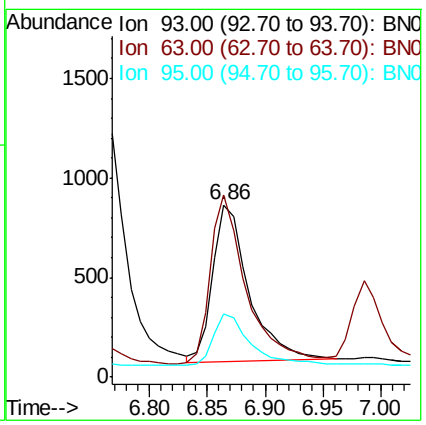


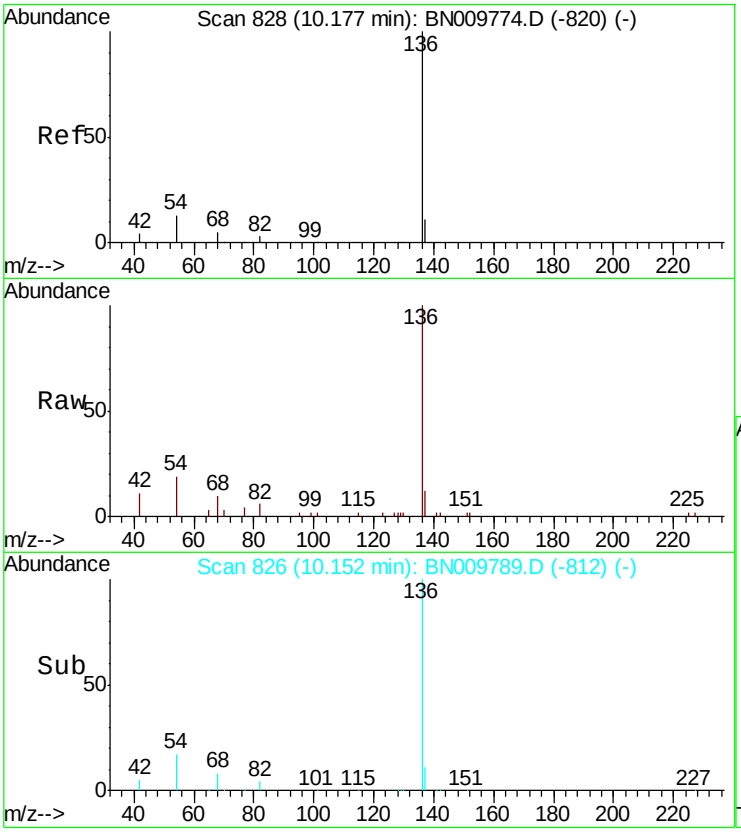


#6
bis(2-Chloroethyl)ether
Concen: 0.361 ng
RT: 6.86 min Scan# 501
Delta R.T. -0.02 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion: 93 Resp: 1723

Ion	Ratio	Lower	Upper
93	100		
63	107.4	74.0	111.0
95	34.6	26.7	40.1



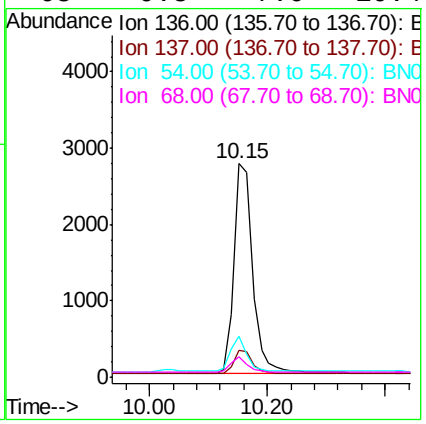


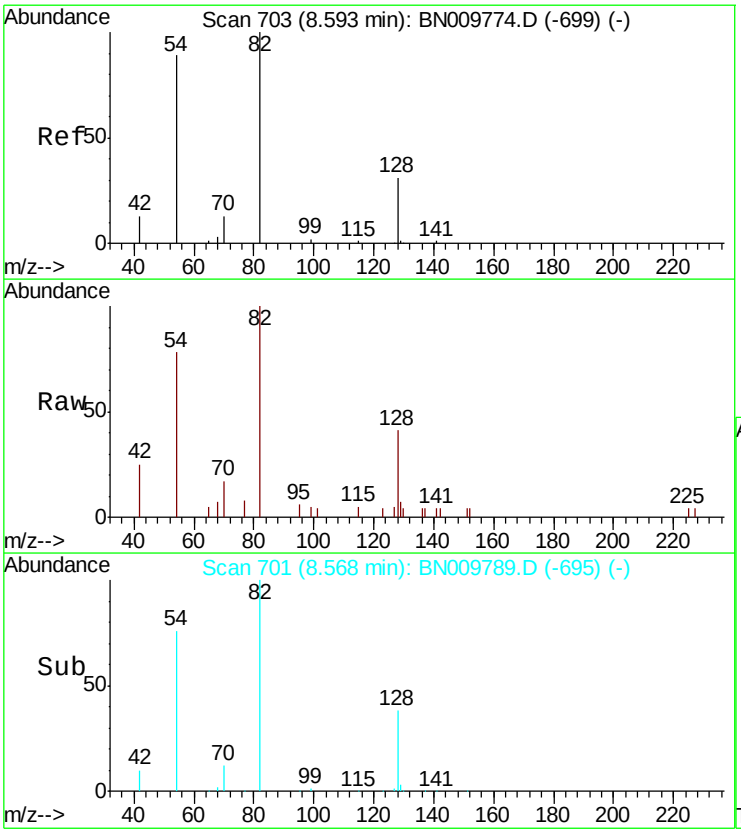
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.03 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:136 Resp: 6034

Ion	Ratio	Lower	Upper
136	100		
137	12.3	11.3	16.9
54	19.3	13.4	20.2
68	9.8	7.0	10.4

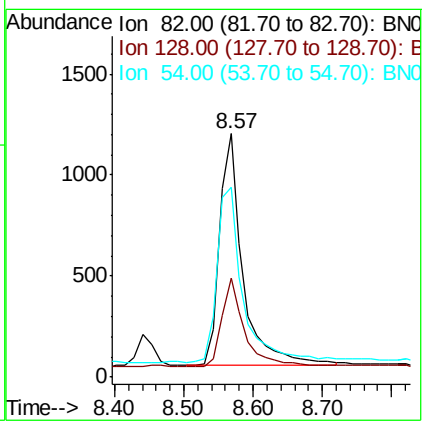


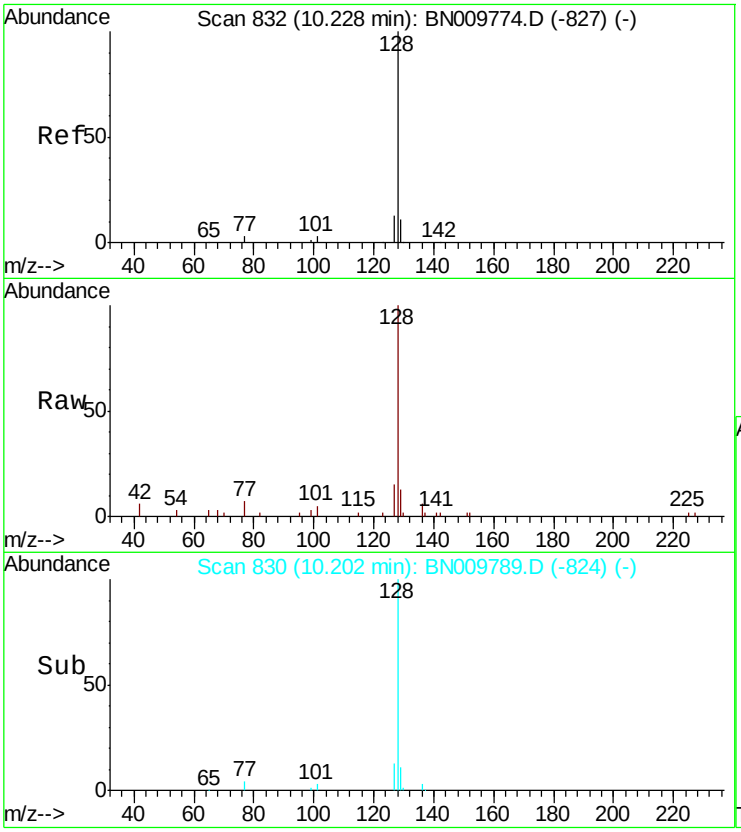


#8
Nitrobenzene-d5
Concen: 0.539 ng
RT: 8.57 min Scan# 701
Delta R.T. -0.03 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion: 82 Resp: 2706

Ion	Ratio	Lower	Upper
82	100		
128	40.7	32.5	48.7
54	78.2	73.5	110.3



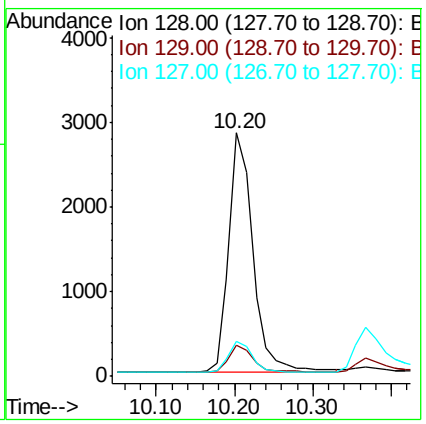


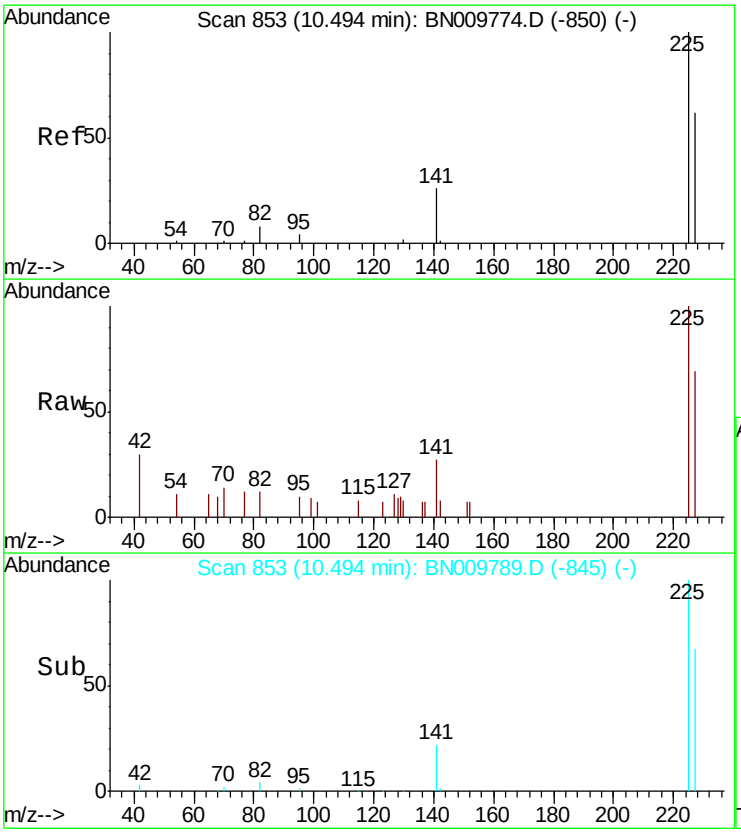
#9
Naphthalene
Concen: 0.365 ng
RT: 10.20 min Scan# 830
Delta R.T. -0.03 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:128 Resp: 6004

Ion	Ratio	Lower	Upper
128	100		
129	12.6	11.1	16.7
127	14.6	12.6	19.0

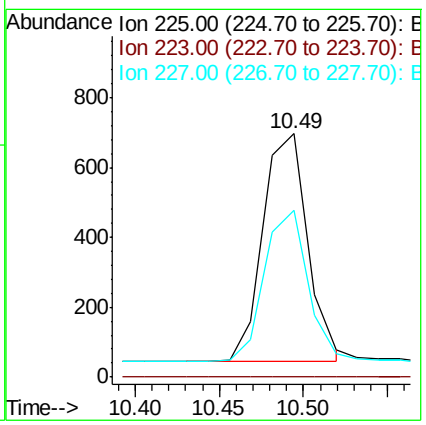


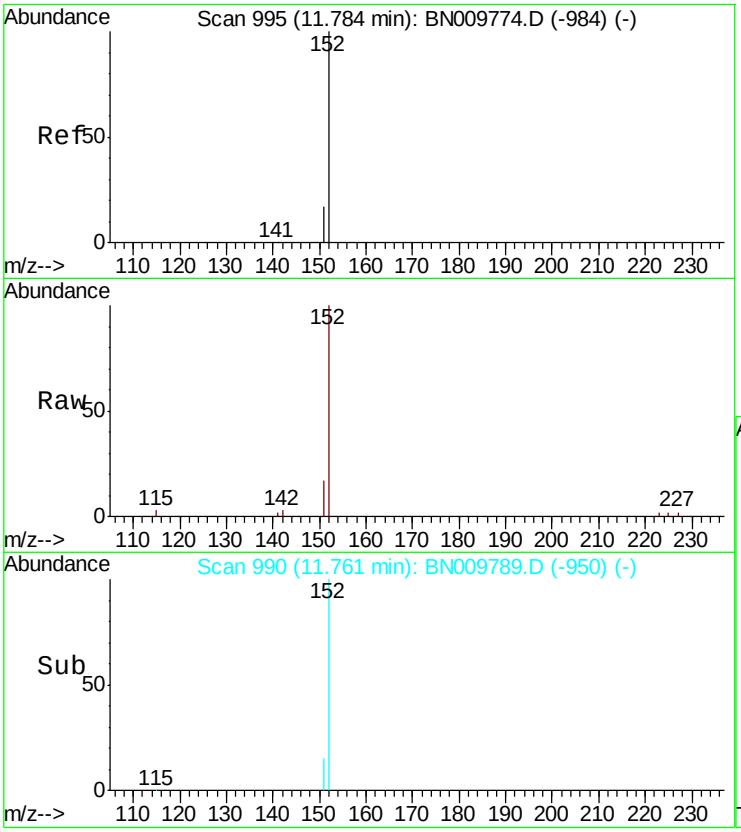


#10
Hexachlorobutadiene
Concen: 0.332 ng
RT: 10.49 min Scan# 853
Delta R.T. -0.00 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:225 Resp: 1202

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.3	53.4	80.2



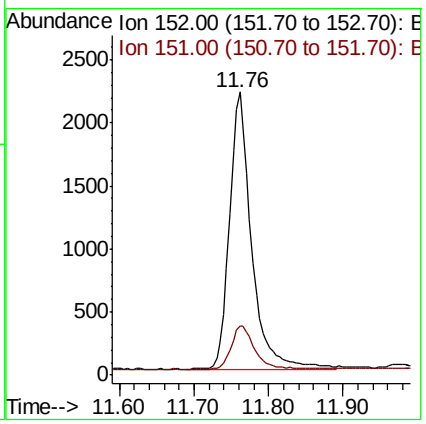


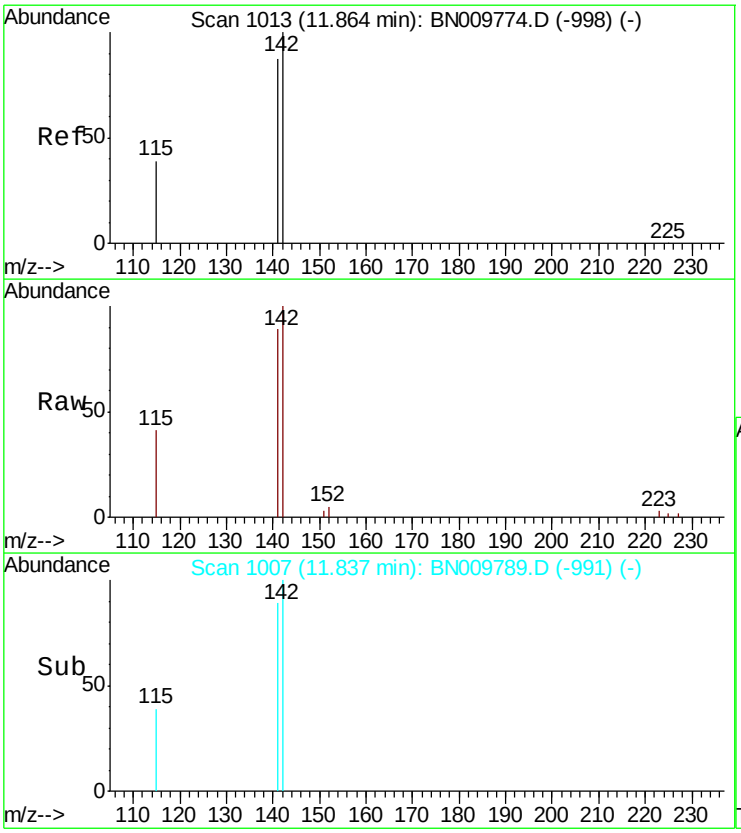
#11
2-Methylnaphthalene-d10
Concen: 0.387 ng
RT: 11.76 min Scan# 990
Delta R.T. -0.02 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:152 Resp: 4524

Ion	Ratio	Lower	Upper
152	100		
151	16.8	15.1	22.7

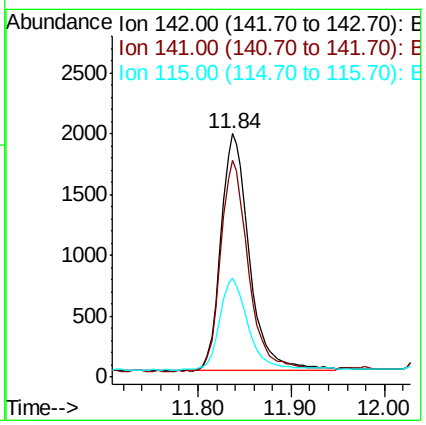


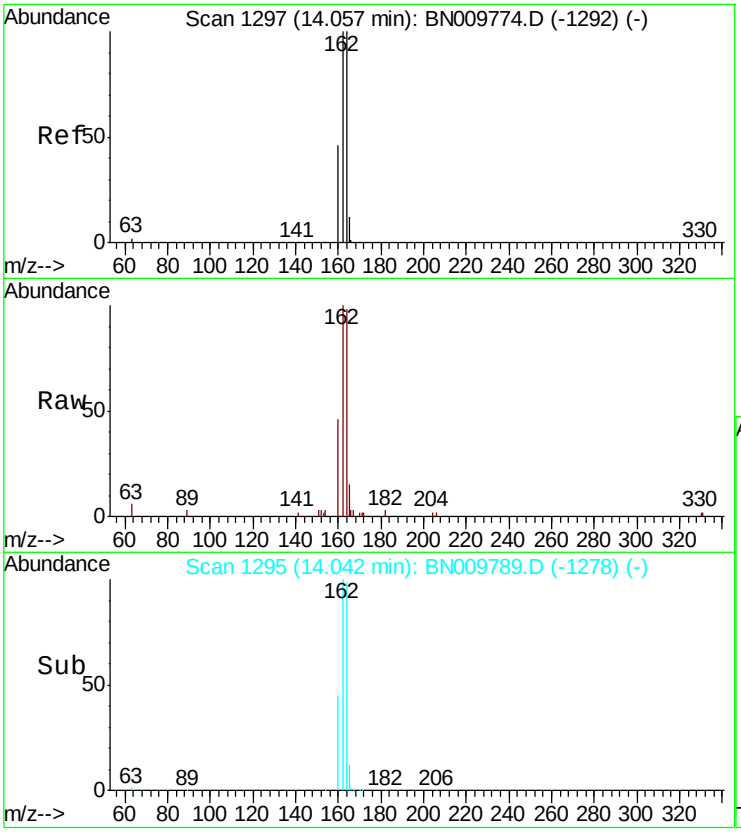


#12
2-Methylnaphthalene
Concen: 0.363 ng
RT: 11.84 min Scan# 1007
Delta R.T. -0.03 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:142 Resp: 4095

Ion	Ratio	Lower	Upper
142	100		
141	89.0	69.8	104.6
115	40.6	34.6	52.0



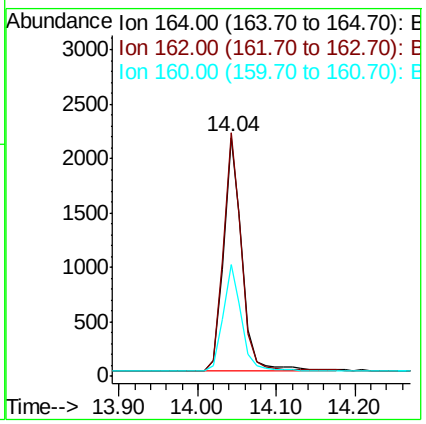


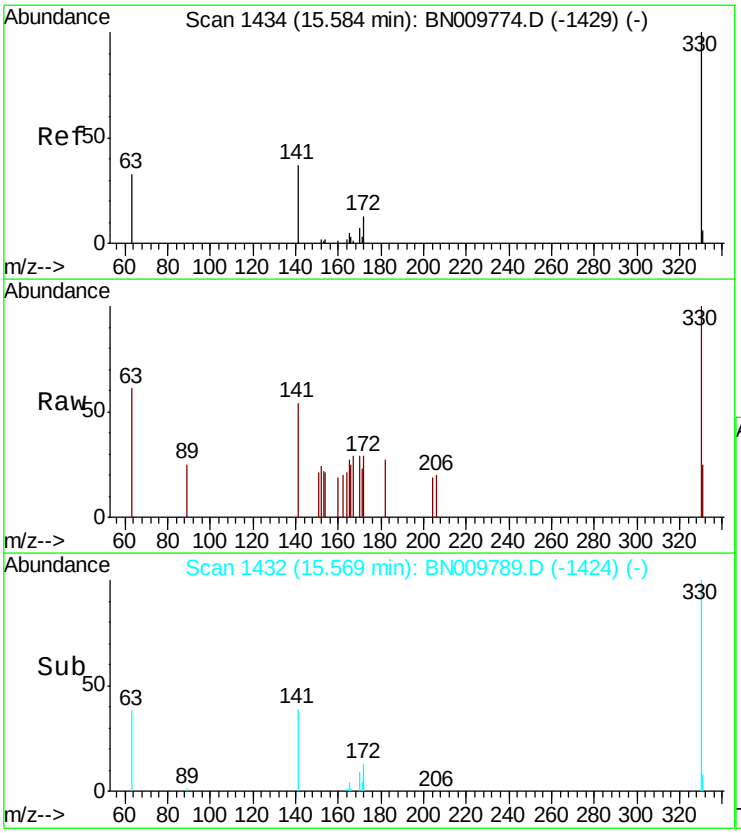
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument : BNA_N
ClientSampleId : PB126764BS

Tgt Ion:164 Resp: 3558

Ion	Ratio	Lower	Upper
164	100		
162	102.1	79.9	119.9
160	46.8	38.2	57.2

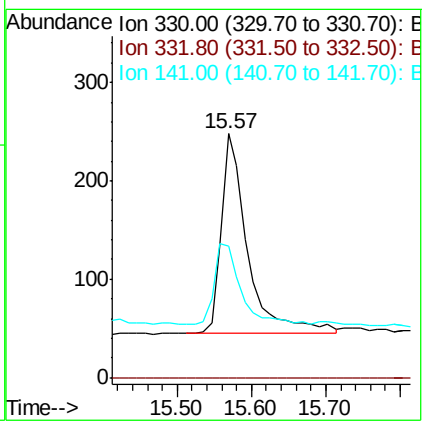


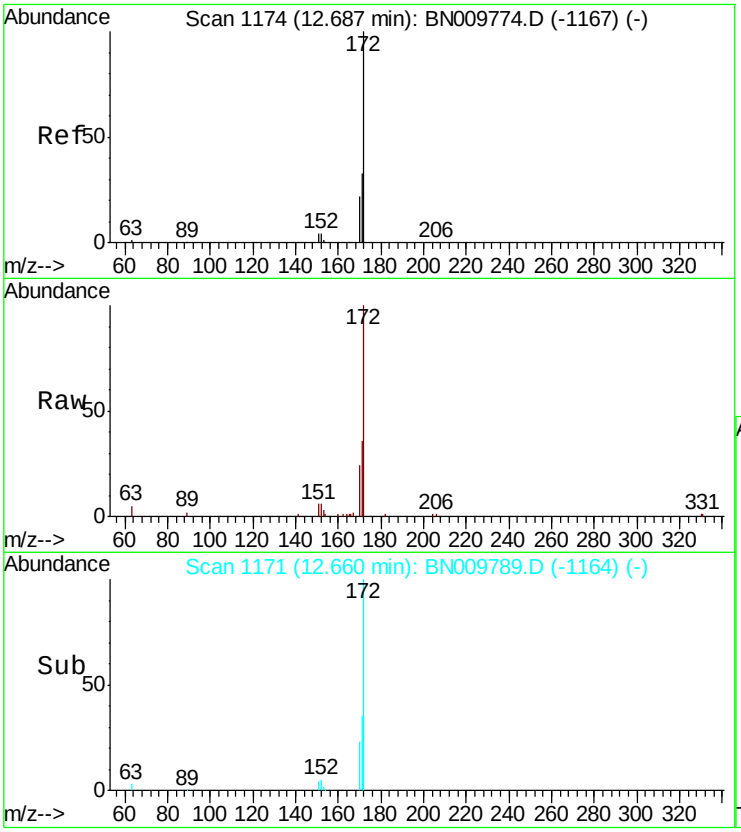


#14
2,4,6-Tribromophenol
Concen: 0.362 ng
RT: 15.57 min Scan# 1432
Delta R.T. -0.02 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:330 Resp: 496

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.5	36.8	55.2



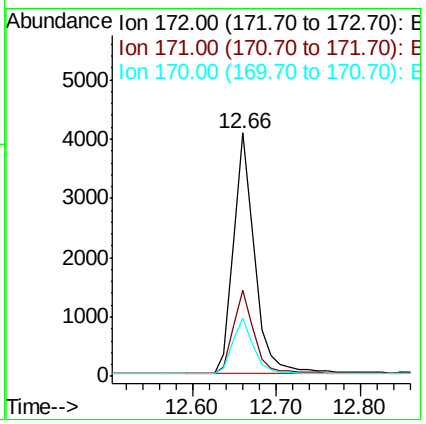


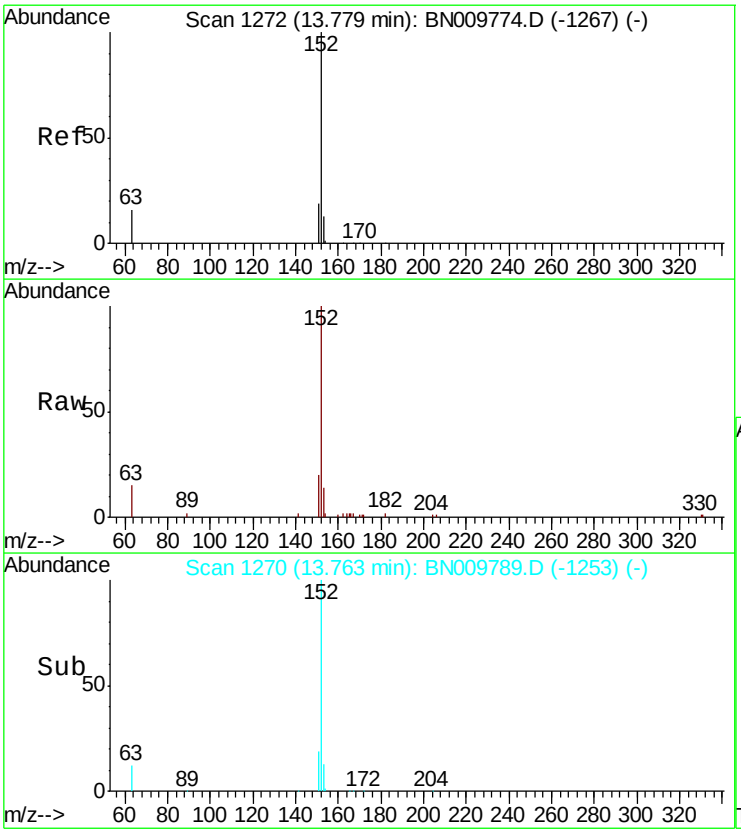
#15
2-Fluorobiphenyl
Concen: 0.534 ng
RT: 12.66 min Scan# 1171
Delta R.T. -0.03 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:172 Resp: 7175

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.8	20.1	30.1

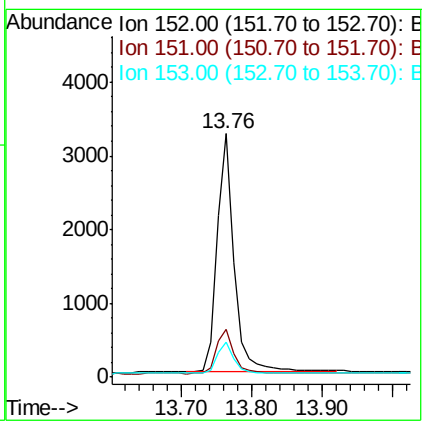


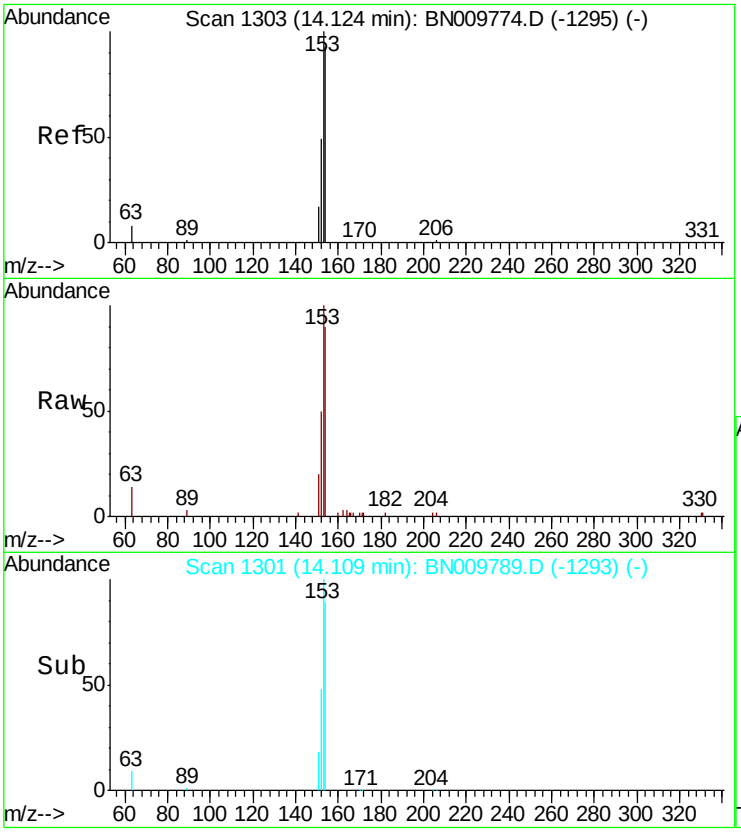


#16
Acenaphthylene
Concen: 0.365 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:152 Resp: 5543

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.6
153	13.4	10.2	15.4



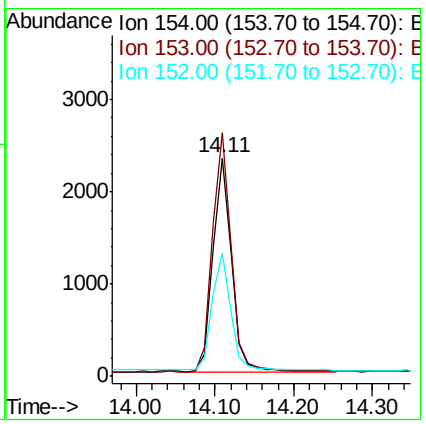


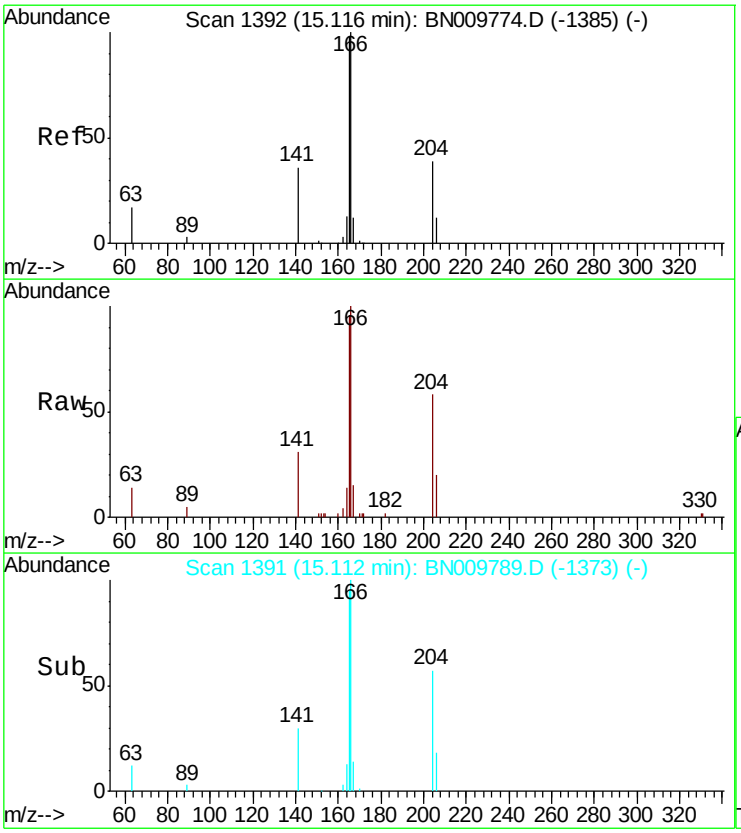
#17
Acenaphthene
Concen: 0.355 ng
RT: 14.11 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:154 Resp: 3784

Ion	Ratio	Lower	Upper
154	100		
153	112.6	88.9	133.3
152	55.9	44.2	66.2

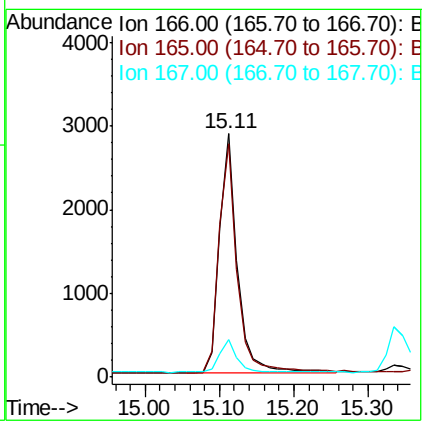


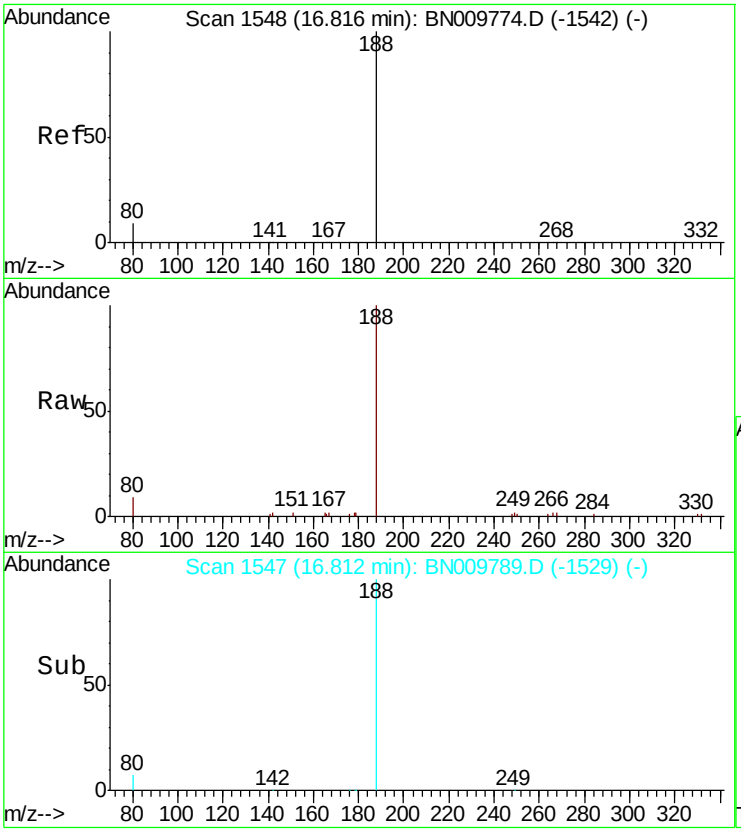


#18
Fluorene
Concen: 0.342 ng
RT: 15.11 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:166 Resp: 4820

Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.2	115.8
167	13.5	10.5	15.7



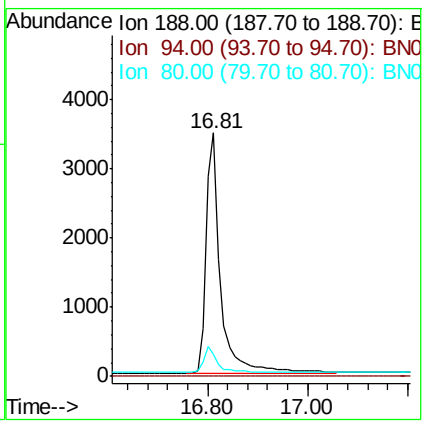


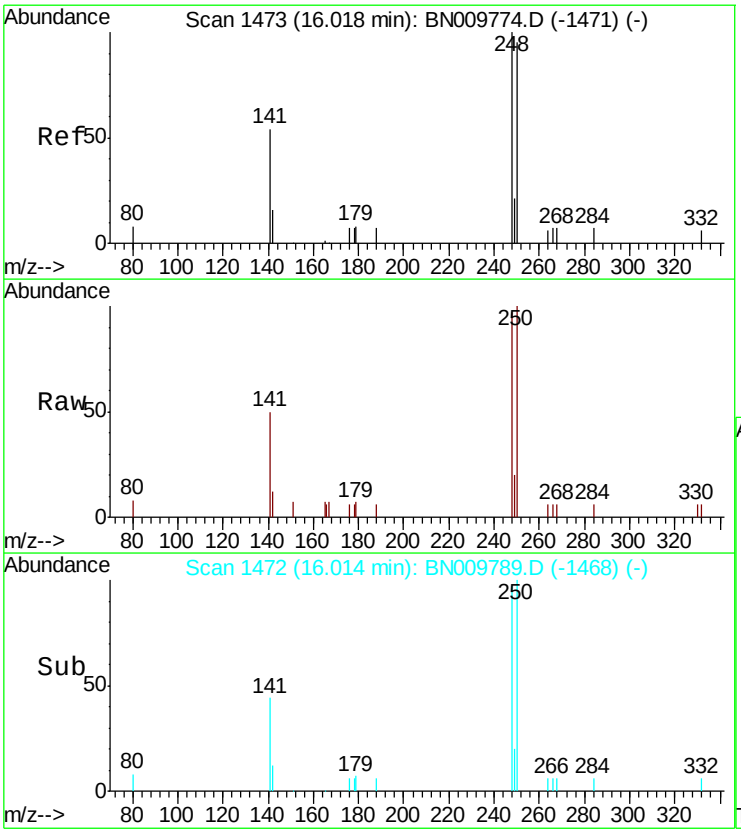
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.81 min Scan# 1547
Delta R.T. -0.00 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:188 Resp: 7054

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	8.3	12.5

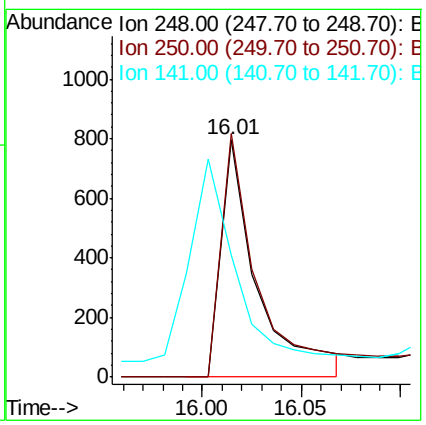


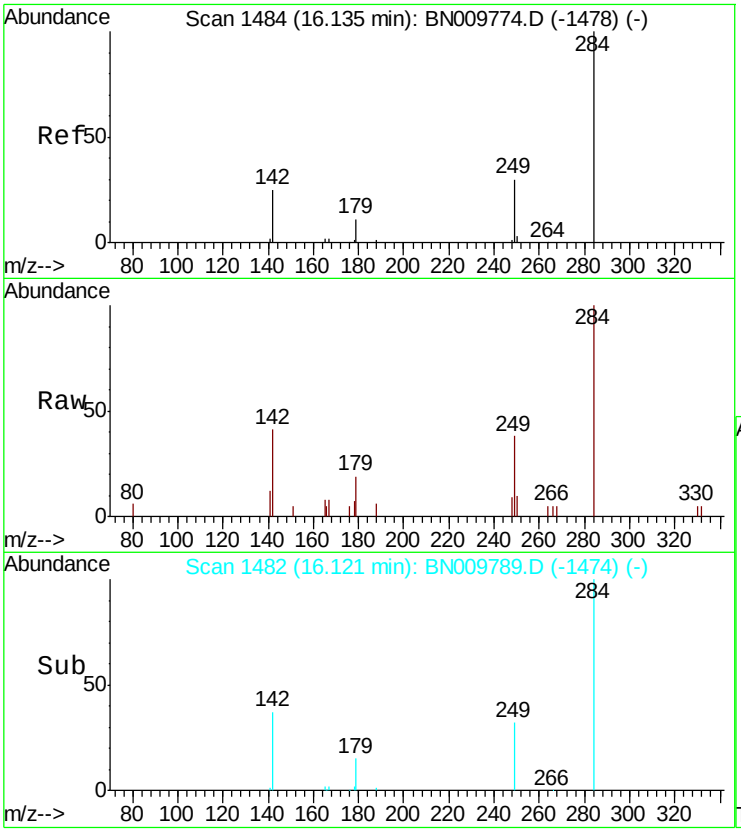


#20
4-Bromophenyl-phenylether
Concen: 0.139 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.00 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:248 Resp: 1018

Ion	Ratio	Lower	Upper
248	100		
250	102.6	76.2	114.4
141	51.5	57.8	86.6#



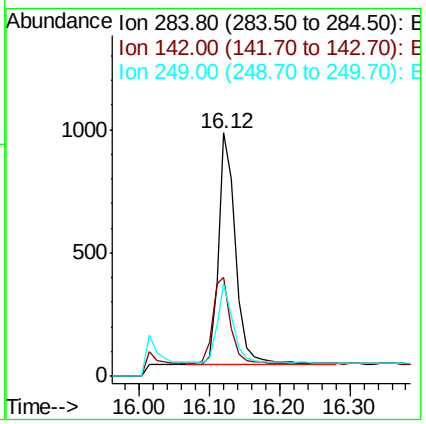


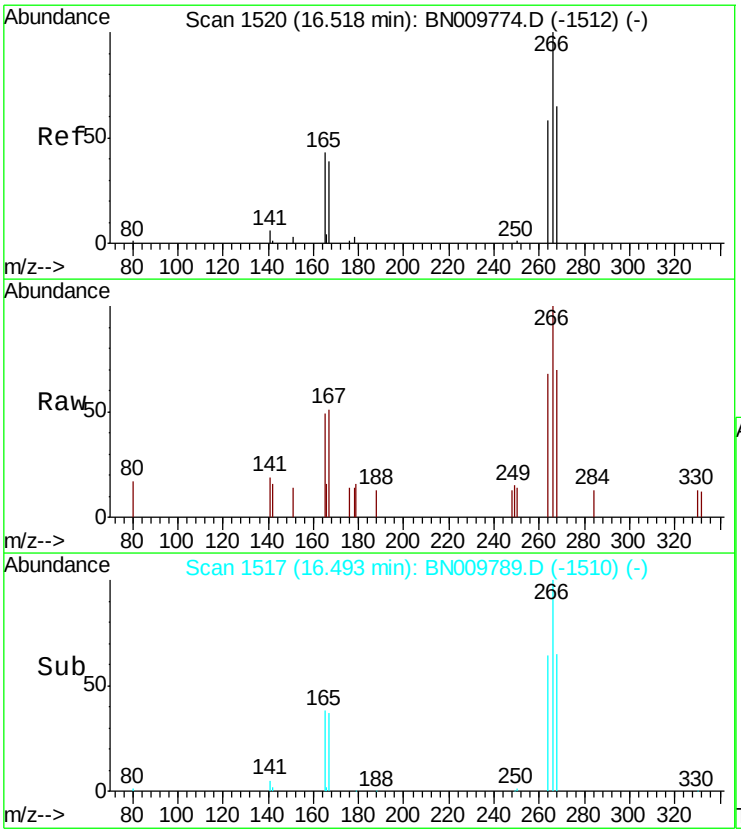
#21
Hexachlorobenzene
Concen: 0.361 ng
RT: 16.12 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:284 Resp: 1584

Ion	Ratio	Lower	Upper
284	100		
142	39.6	33.3	49.9
249	33.1	25.7	38.5

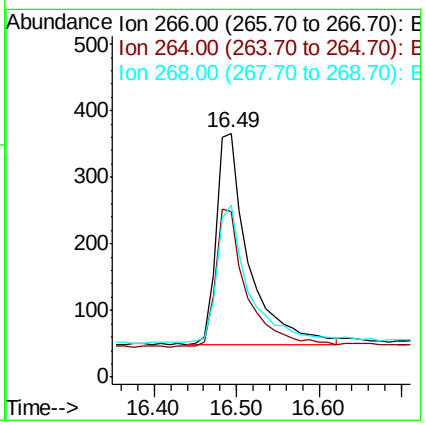


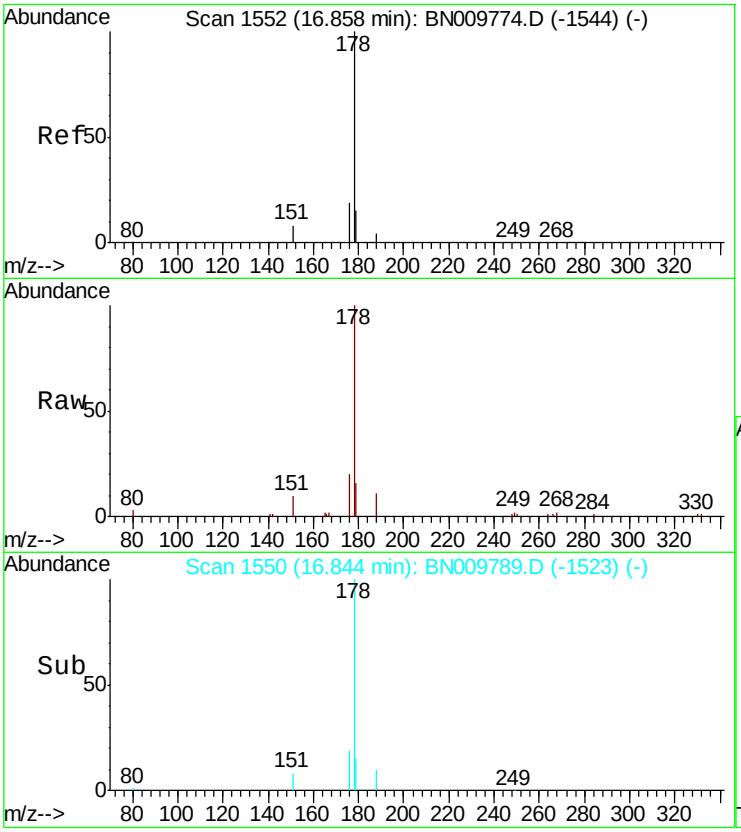


#22
Pentachlorophenol
Concen: 0.771 ng
RT: 16.49 min Scan# 1517
Delta R.T. -0.03 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:266 Resp: 871

Ion	Ratio	Lower	Upper
266	100		
264	67.8	58.1	87.1
268	70.5	65.7	98.5



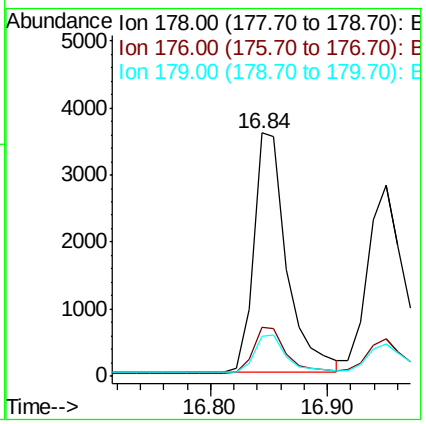


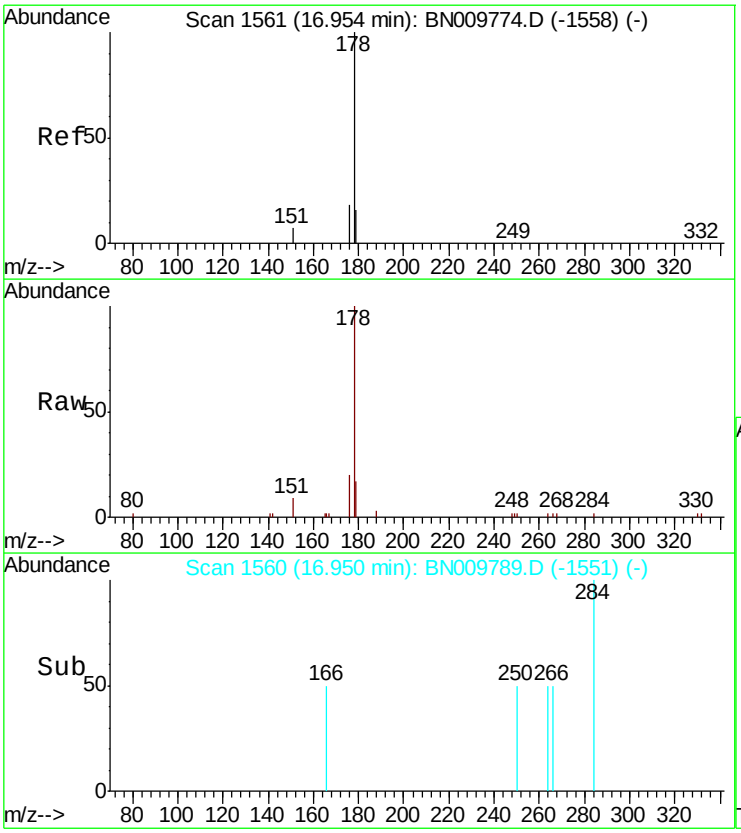
#23
Phenanthrene
Concen: 0.338 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:178 Resp: 7098

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.2	12.4	18.6

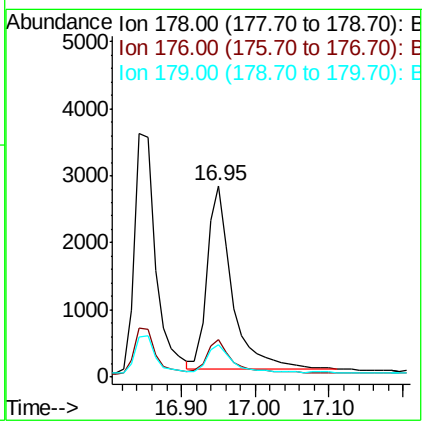


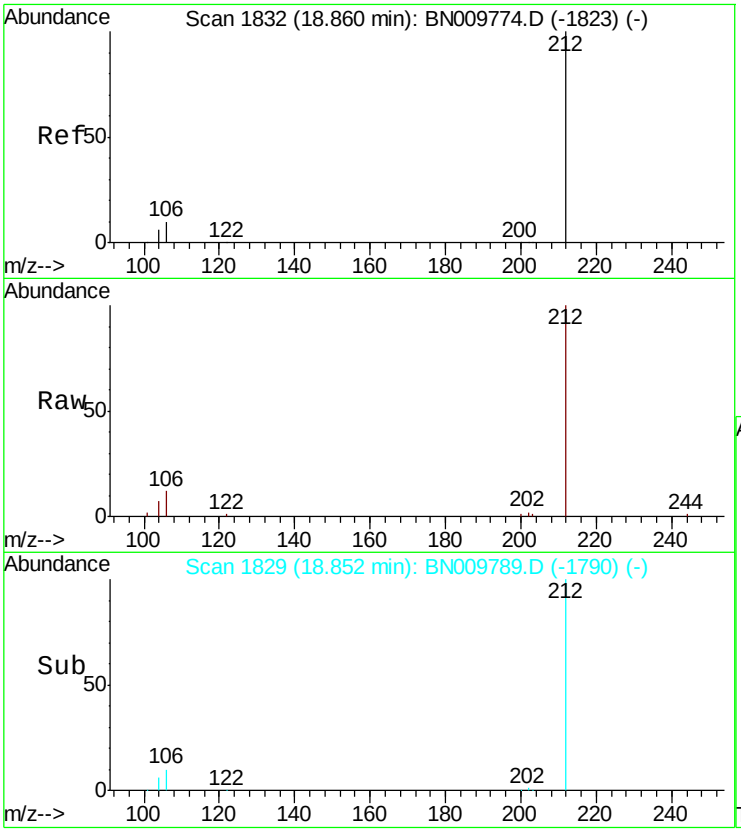


#24
Anthracene
Concen: 0.363 ng
RT: 16.95 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:178 Resp: 6442

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.3	21.5
179	14.6	12.4	18.6



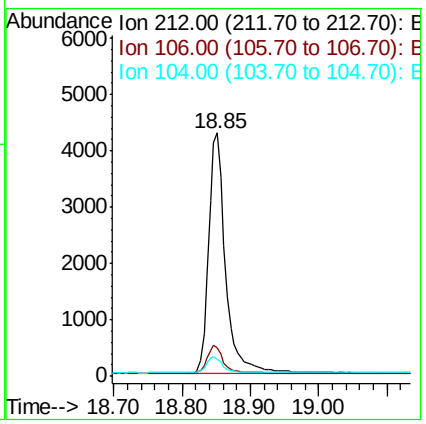


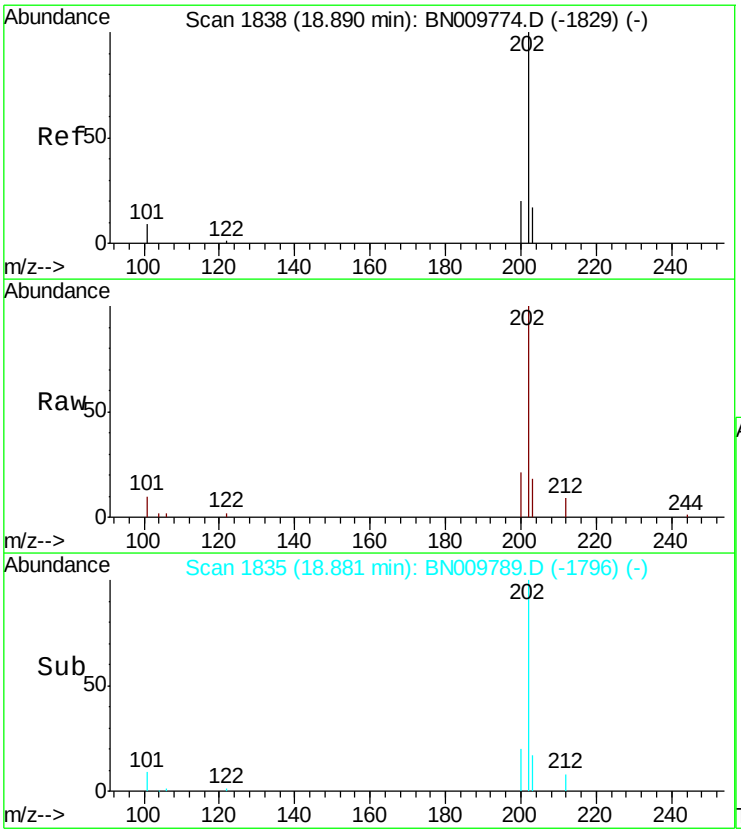
#25
Fluoranthene-d10
Concen: 0.305 ng
RT: 18.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:212 Resp: 7452

Ion	Ratio	Lower	Upper
212	100		
106	11.1	8.4	12.6
104	6.3	4.8	7.2

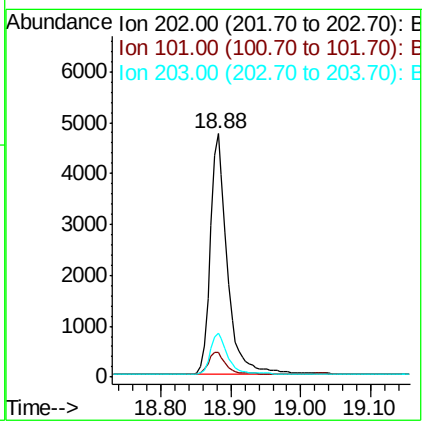


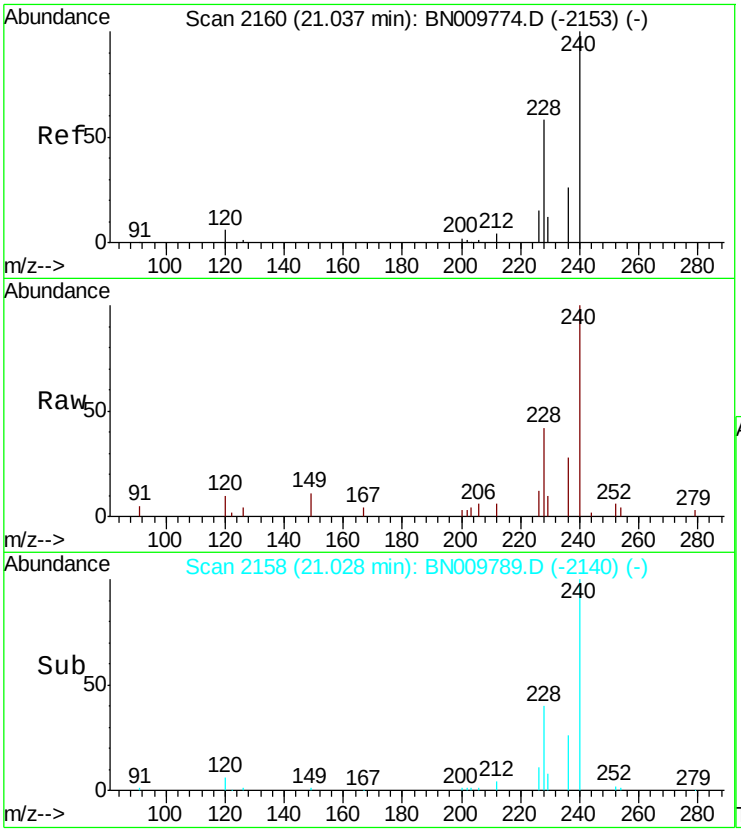


#26
Fluoranthene
Concen: 0.321 ng
RT: 18.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:202 Resp: 8059

Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.1	10.7
203	17.3	13.8	20.6



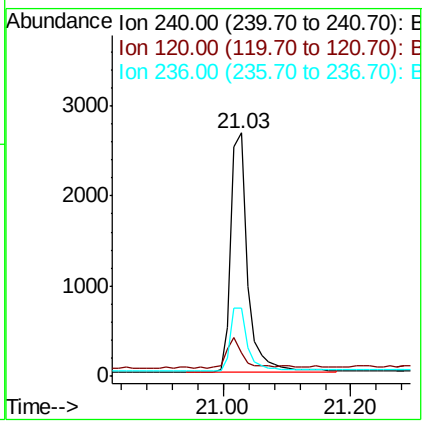


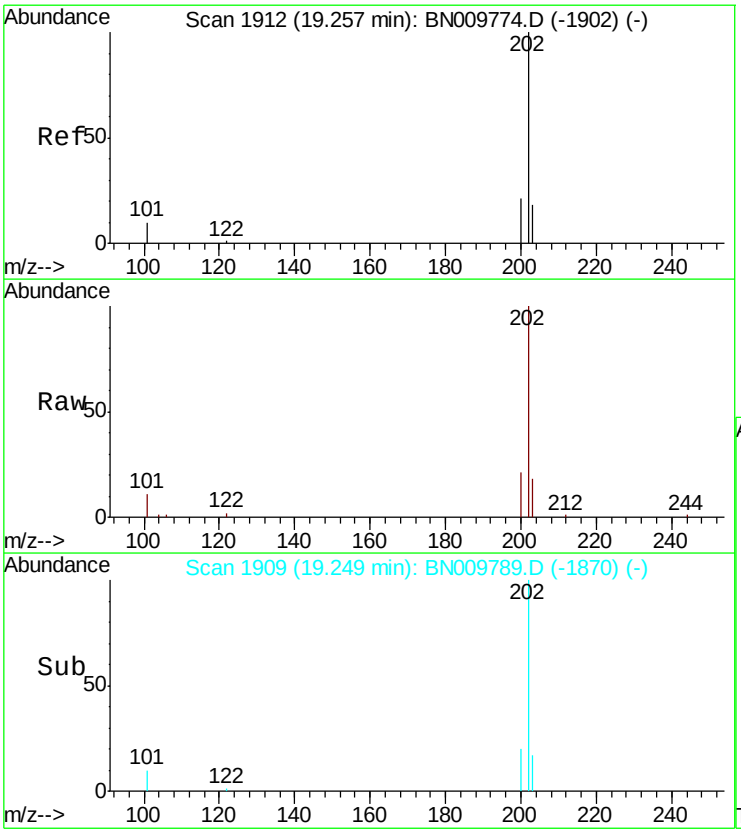
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2158
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument : BNA_N
ClientSampleId : PB126764BS

Tgt Ion:240 Resp: 4836

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.9	11.9
236	27.9	22.0	33.0

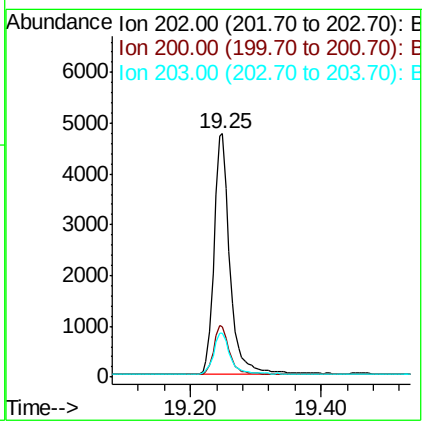


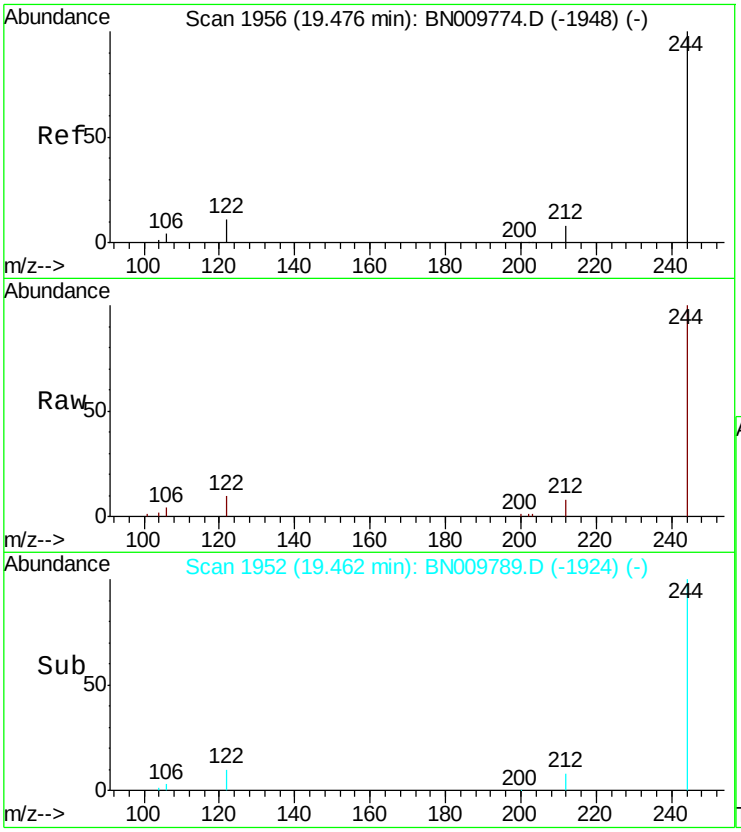


#28
Pyrene
Concen: 0.438 ng
RT: 19.25 min Scan# 1909
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:202 Resp: 8042

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.4	24.6
203	17.7	13.9	20.9



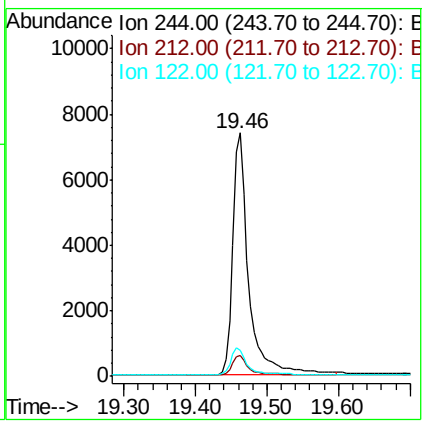


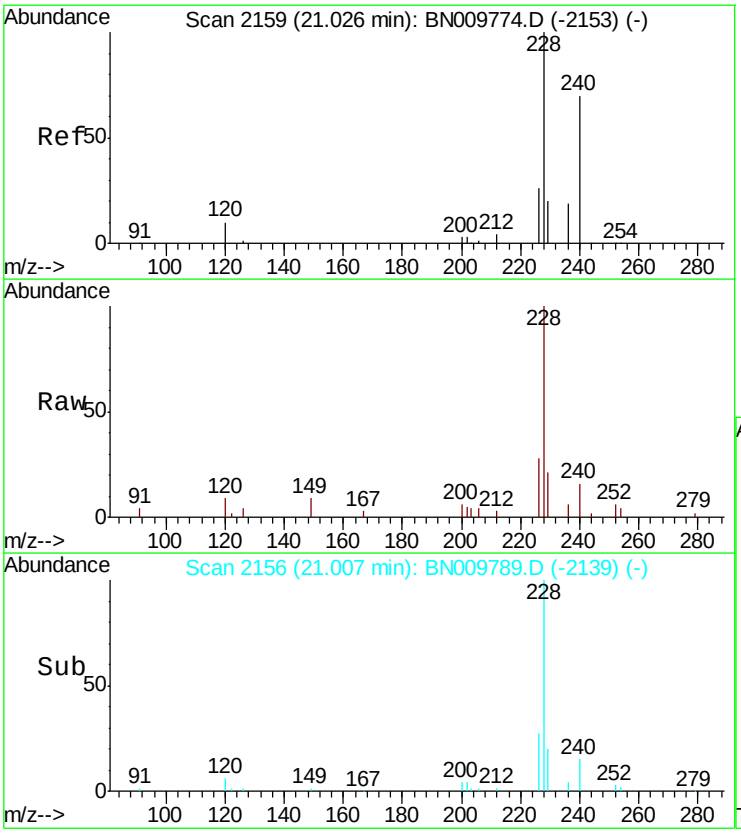
#29
Terphenyl-d14
Concen: 0.978 ng
RT: 19.46 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:244 Resp: 11301

Ion	Ratio	Lower	Upper
244	100		
212	8.4	8.0	12.0
122	10.5	10.0	15.0

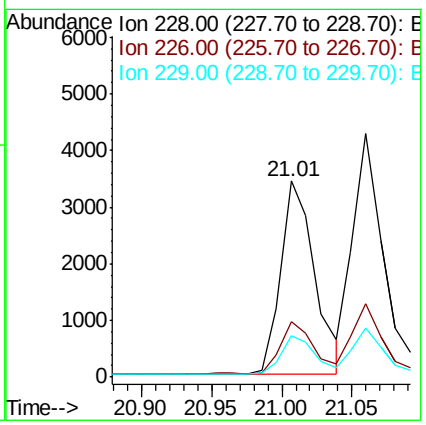


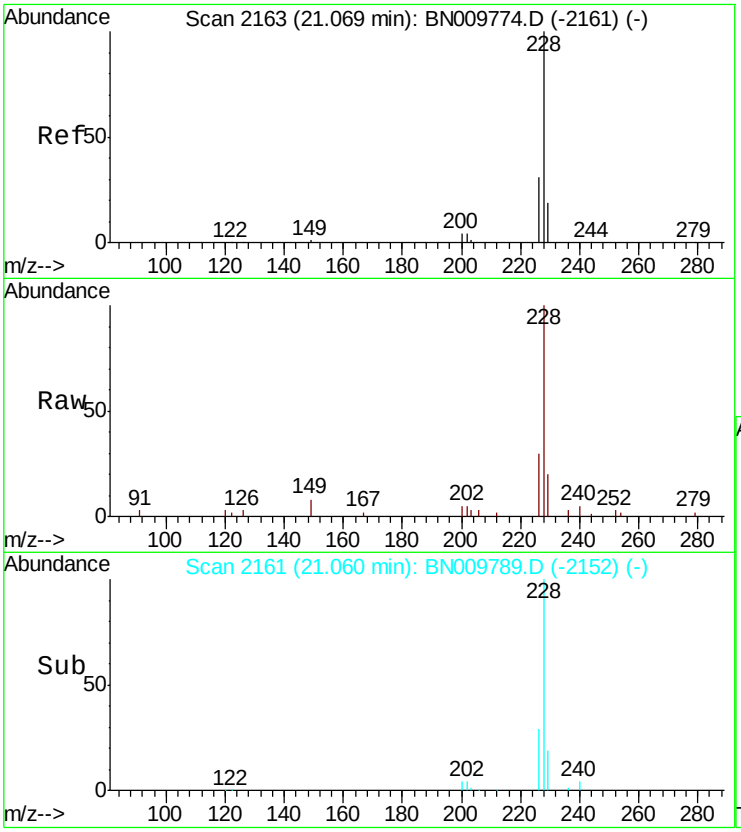


#30
Benzo(a)anthracene
Concen: 0.364 ng
RT: 21.01 min Scan# 2156
Delta R.T. -0.02 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:228 Resp: 5840

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.8
229	20.9	17.1	25.7



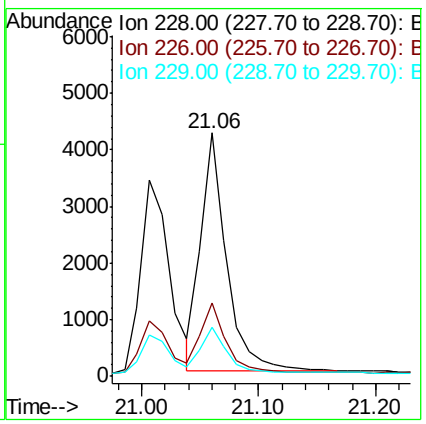


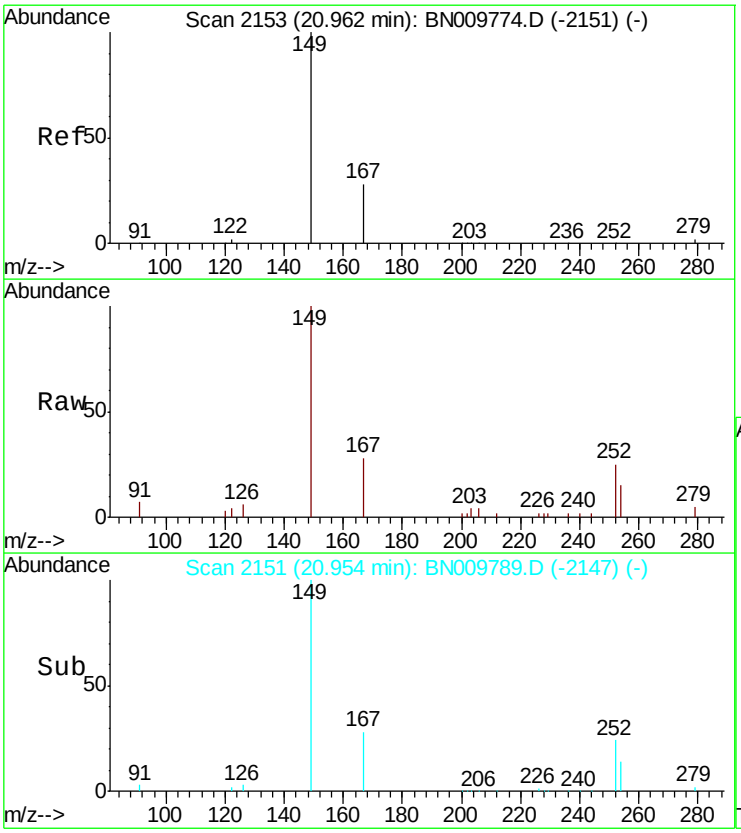
#31
Chrysene
Concen: 0.345 ng
RT: 21.06 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:228 Resp: 6405

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.8	37.2
229	20.3	16.4	24.6

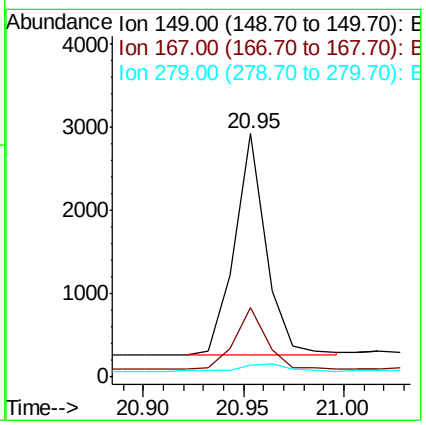


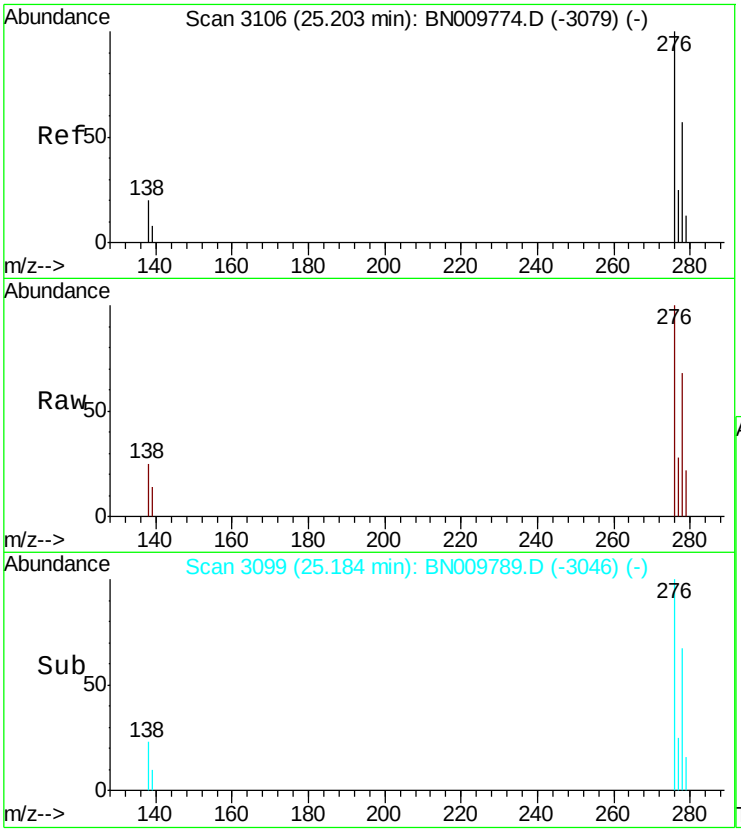


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.375 ng
RT: 20.95 min Scan# 2151
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:149 Resp: 2933

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.7	34.1
279	4.2	3.1	4.7



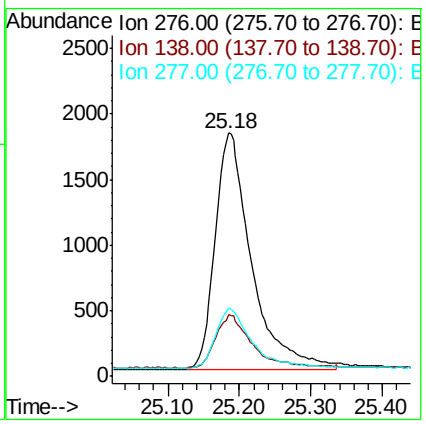


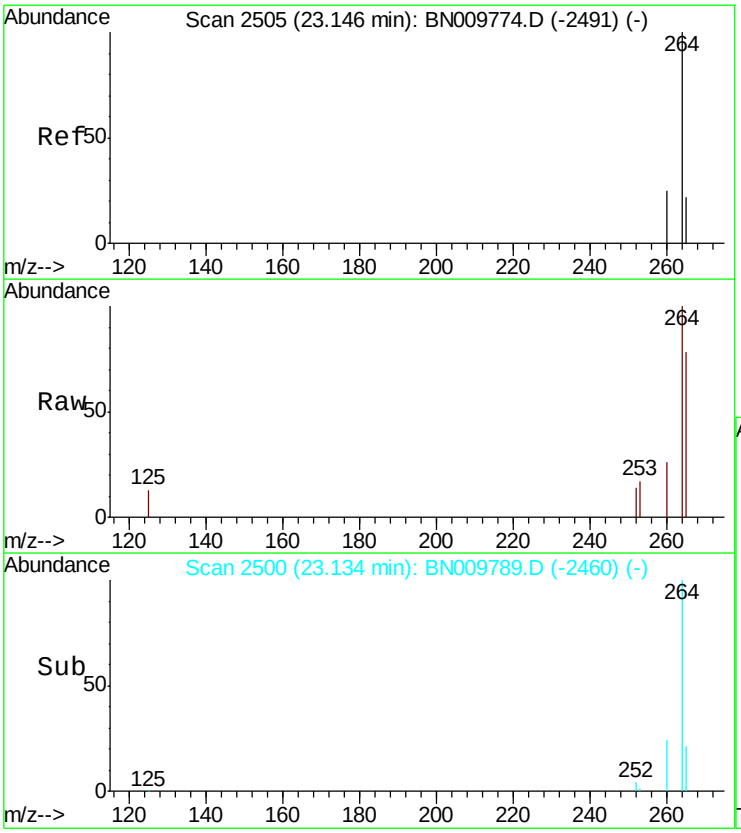
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.330 ng
RT: 25.18 min Scan# 3099
Delta R.T. -0.02 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:276 Resp: 6389

Ion	Ratio	Lower	Upper
276	100		
138	20.3	15.8	23.6
277	24.2	19.3	28.9

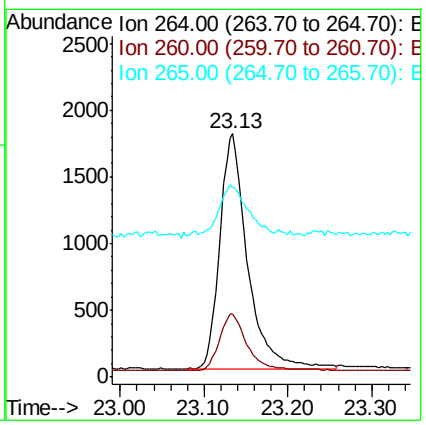


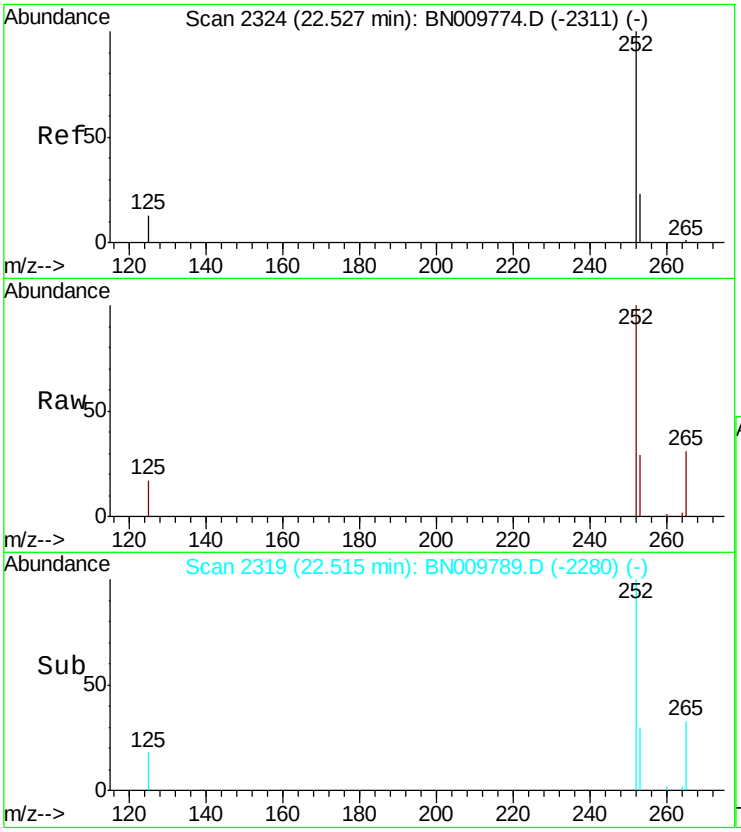


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2500
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:264 Resp: 4039

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.1	31.7
265	78.1	57.5	86.3



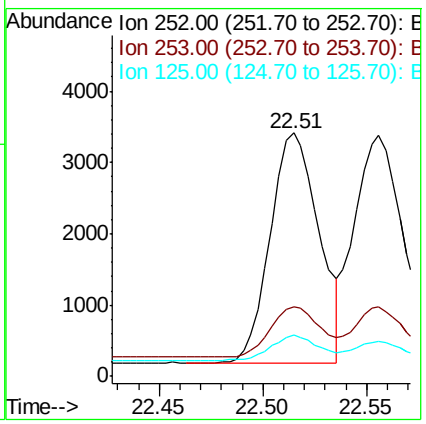


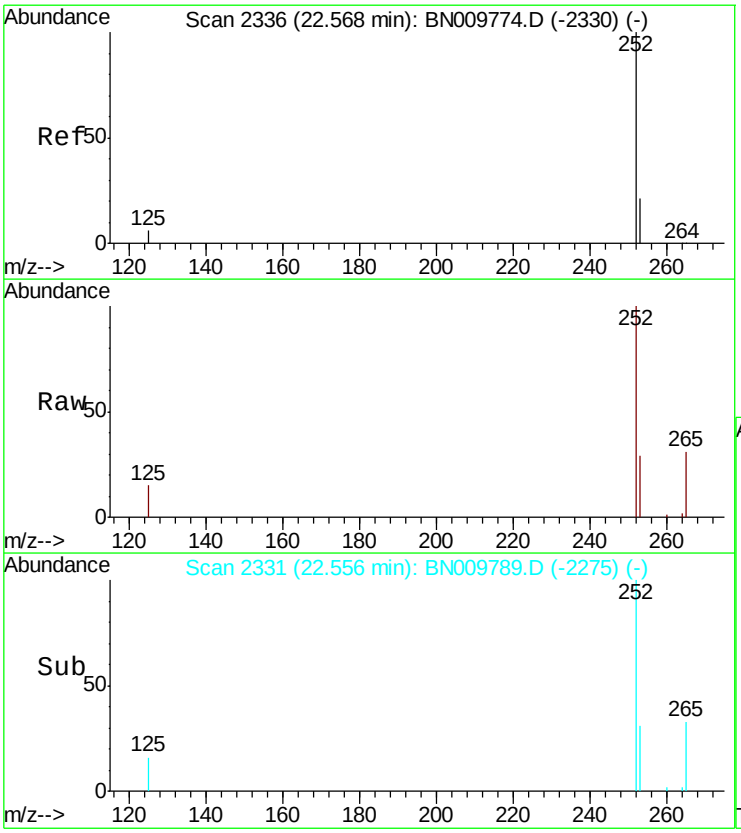
#35
Benzo(b)fluoranthene
Concen: 0.358 ng
RT: 22.51 min Scan# 2319
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:252 Resp: 5284

Ion	Ratio	Lower	Upper
252	100		
253	28.7	23.0	34.6
125	17.2	14.4	21.6

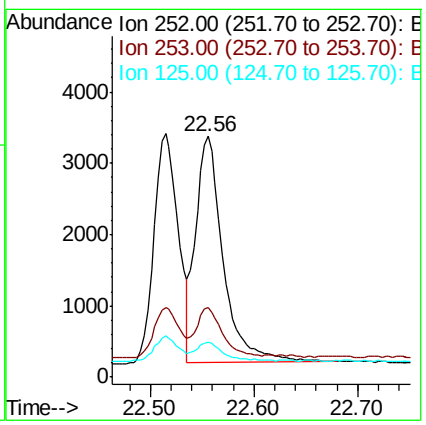


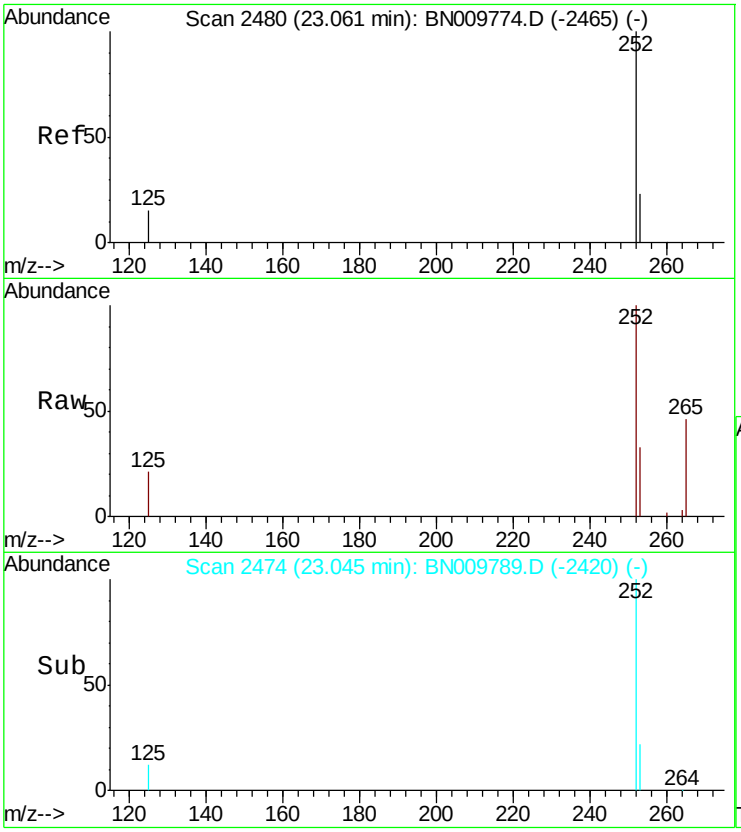


#36
Benzo(k)fluoranthene
Concen: 0.367 ng
RT: 22.56 min Scan# 2331
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:252 Resp: 5893

Ion	Ratio	Lower	Upper
252	100		
253	28.9	22.2	33.2
125	14.7	10.5	15.7



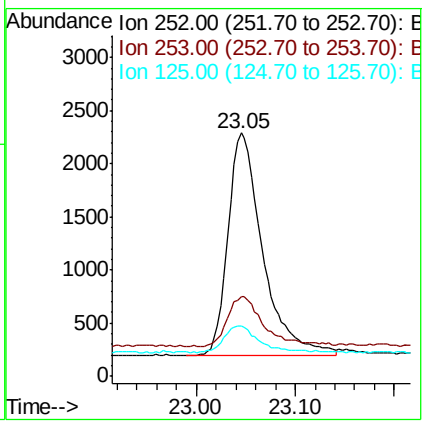


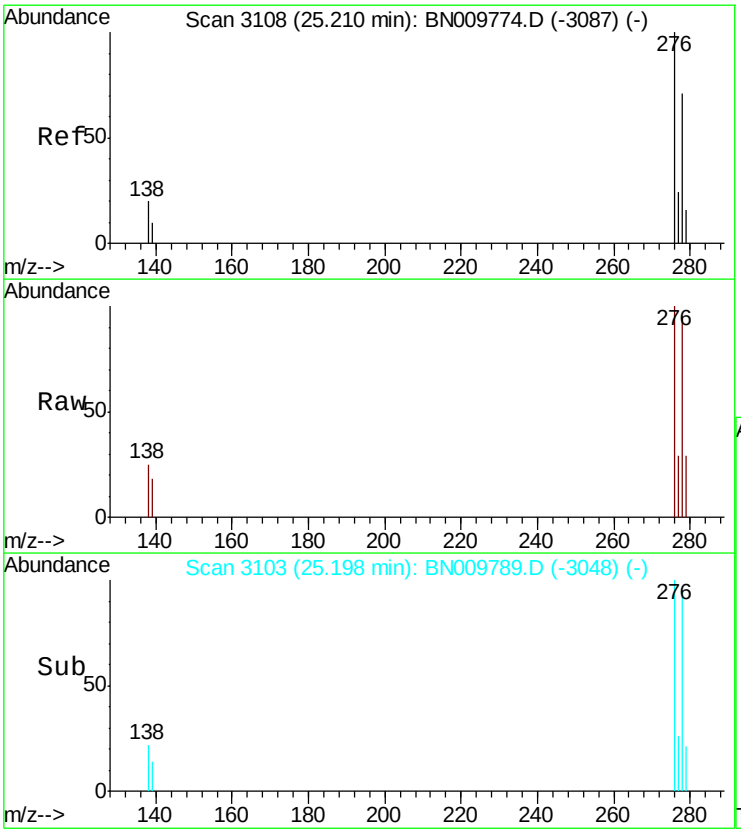
#37
Benzo(a)pyrene
Concen: 0.378 ng
RT: 23.05 min Scan# 2474
Delta R.T. -0.02 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:252 Resp: 5096

Ion	Ratio	Lower	Upper
252	100		
253	32.6	25.3	37.9
125	20.7	17.7	26.5

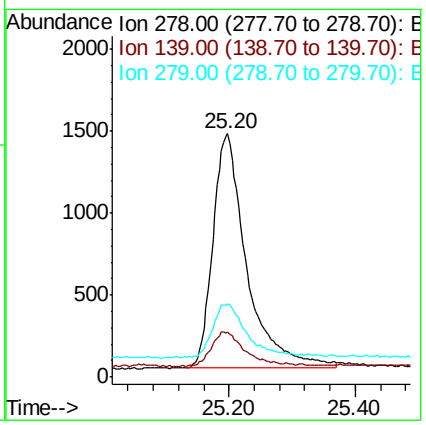


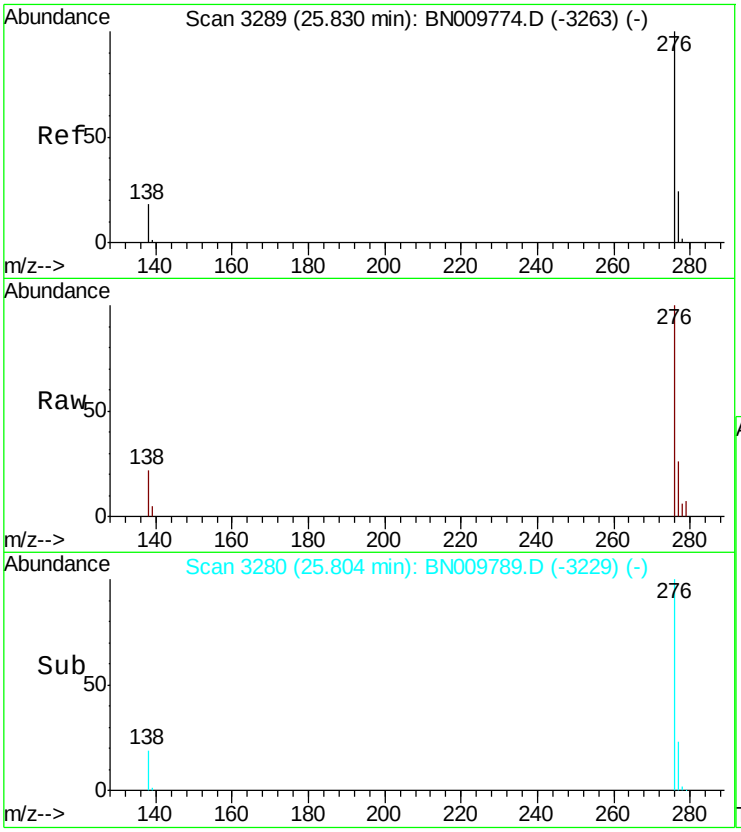


#38
Dibenzo(a,h)anthracene
Concen: 0.400 ng
RT: 25.20 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Tgt Ion:278 Resp: 5313

Ion	Ratio	Lower	Upper
278	100		
139	18.6	14.5	21.7
279	30.3	24.3	36.5





#39
Benzo(g,h,i)perylene
Concen: 0.417 ng
RT: 25.80 min Scan# 3280
Delta R.T. -0.03 min
Lab File: BN009789.D
Acq: 20 Feb 2020 21:25

Instrument :
BNA_N
ClientSampleId :
PB126764BS

Tgt Ion:276 Resp: 5894

Ion	Ratio	Lower	Upper
276	100		
277	26.2	21.4	32.0
138	22.3	16.6	24.8