Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090624\
Data File : BN033794.D
Acq On : 06 Sep 2024 22:52
Operator : MA/JU
Sample : PB163168BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Quant Time: Sep 07 01:39:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 18:36:01 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	4100	0.400	ng	0.00
7) Naphthalene-d8	10.272	136	10577	0.400	ng	# 0.00
13) Acenaphthene-d10	14.146	164	4723	0.400	ng	-0.01
19) Phenanthrene-d10	16.904	188	9268	0.400	ng	# 0.00
29) Chrysene-d12	21.112	240	6695	0.400	ng	# 0.00
35) Perylene-d12	23.262	264	7016	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.154	112	3876	0.309	ng	0.00
5) Phenol-d6	6.707	99	4490	0.302	ng	0.00
8) Nitrobenzene-d5	8.649	82	3391	0.377	ng	0.00
11) 2-Methylnaphthalene-d10	11.865	152	6583	0.440	ng	0.00
14) 2,4,6-Tribromophenol	15.651	330	703	0.295	ng	0.00
15) 2-Fluorobiphenyl	12.767	172	7972	0.405	ng	0.00
27) Fluoranthene-d10	18.942	212	8452	0.370	ng	0.00
31) Terphenyl-d14	19.556	244	5856	0.410	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.168	88	1494	0.320	ng	# 29
3) n-Nitrosodimethylamine	3.457	42	2368	0.432	ng	86
6) bis(2-Chloroethyl)ether	6.953	93	4358	0.389	ng	98
9) Naphthalene	10.314	128	10966	0.388	ng	99
10) Hexachlorobutadiene	10.613	225	2308	0.392	ng	# 98
12) 2-Methylnaphthalene	11.941	142	6806	0.393	ng	98
16) Acenaphthylene	13.868	152	8360	0.410	ng	100
17) Acenaphthene	14.210	154	5692	0.407	ng	99
18) Fluorene	15.204	166	6901	0.400	ng	100
20) 4,6-Dinitro-2-methylph...	15.290	198	547	0.374	ng	# 77
21) 4-Bromophenyl-phenylether	16.110	248	2048	0.381	ng	93
22) Hexachlorobenzene	16.209	284	2405	0.391	ng	94
23) Atrazine	16.383	200	1599	0.373	ng	# 88
24) Pentachlorophenol	16.557	266	1459	0.580	ng	98
25) Phenanthrene	16.942	178	10199	0.399	ng	100
26) Anthracene	17.029	178	8922	0.402	ng	100
28) Fluoranthene	18.975	202	10772	0.376	ng	99
30) Pyrene	19.337	202	11136	0.413	ng	99
32) Benzo(a)anthracene	21.095	228	9779	0.409	ng	99
33) Chrysene	21.148	228	10253	0.434	ng	99
34) Bis(2-ethylhexyl)phtha...	21.050	149	5112	0.392	ng	100
36) Indeno(1,2,3-cd)pyrene	25.393	276	12641	0.436	ng	98
37) Benzo(b)fluoranthene	22.625	252	10495	0.407	ng	98
38) Benzo(k)fluoranthene	22.665	252	10814	0.430	ng	98
39) Benzo(a)pyrene	23.168	252	9178	0.426	ng	97
40) Dibenzo(a,h)anthracene	25.411	278	10056	0.433	ng	98
41) Benzo(g,h,i)perylene	26.039	276	10144	0.403	ng	98

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

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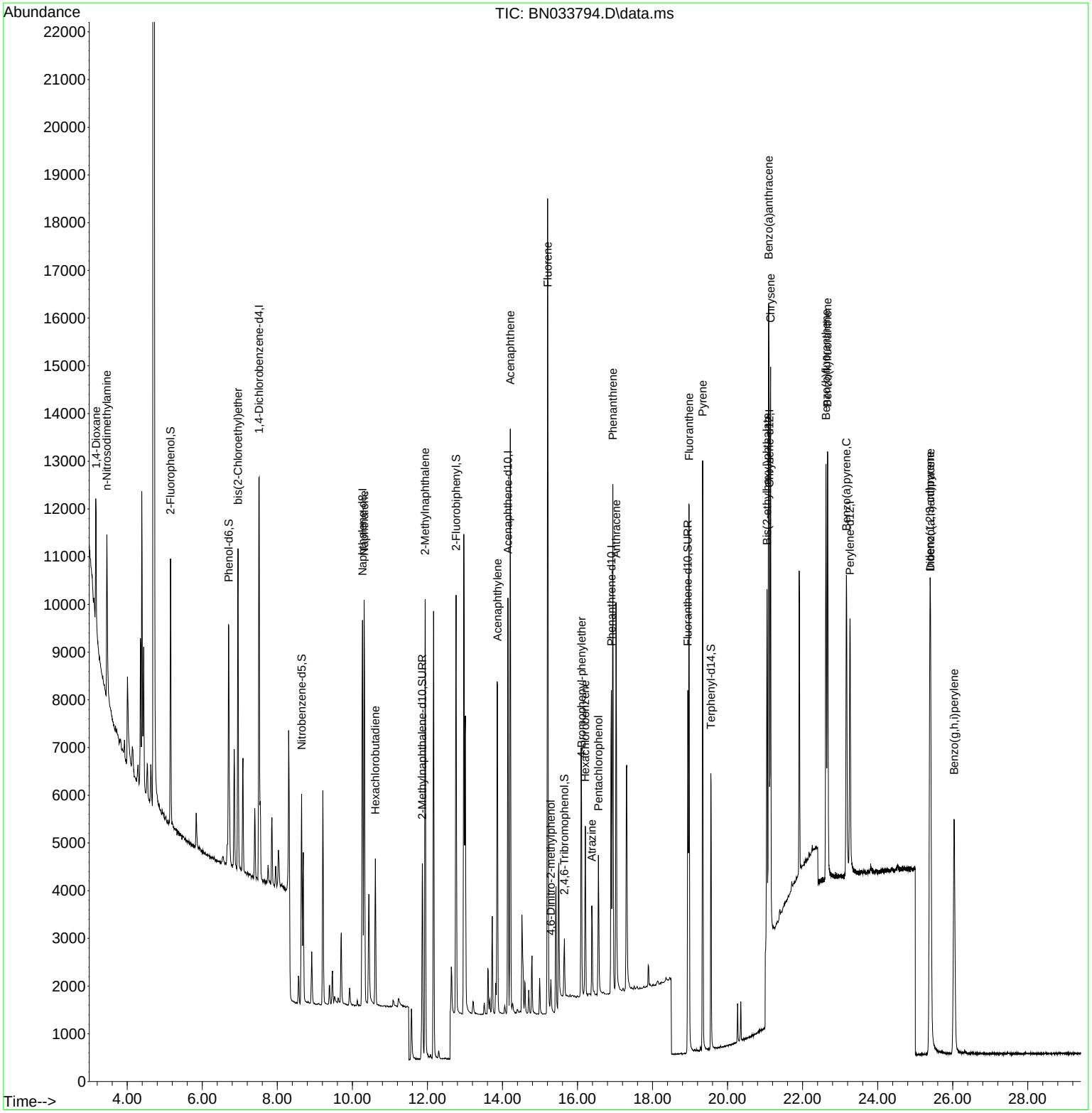
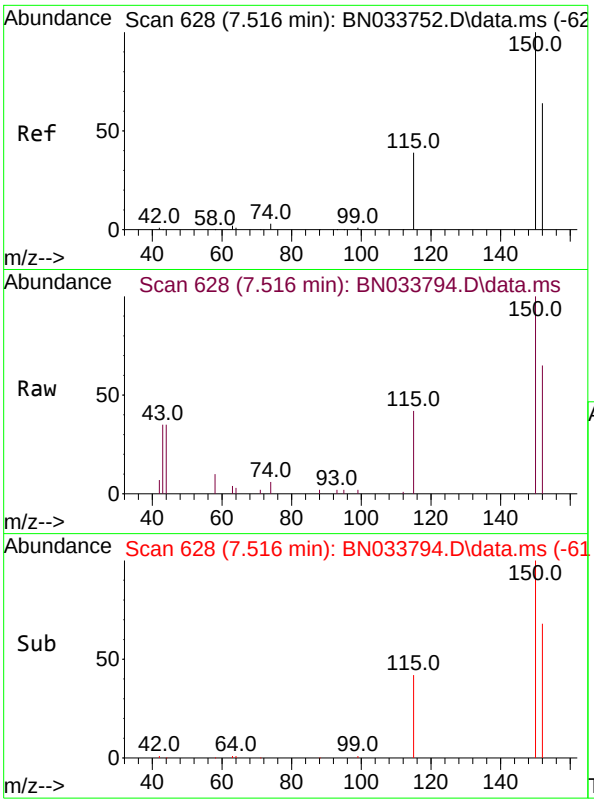


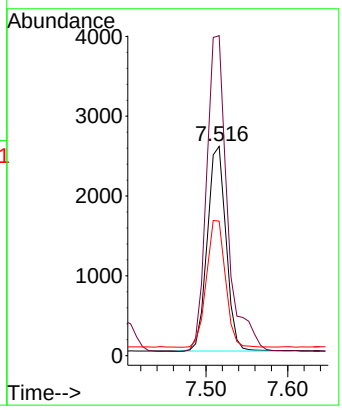


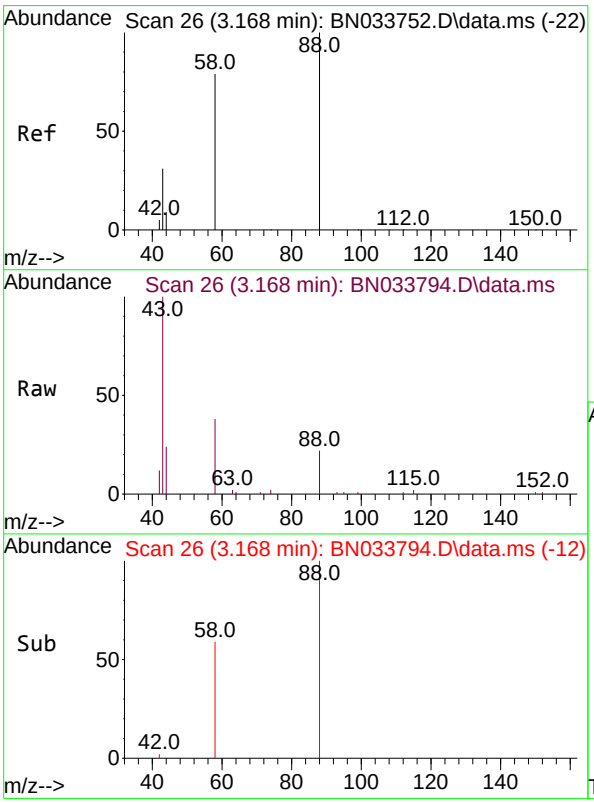
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.516 min Scan# 6
Delta R.T. 0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:152 Resp: 4100

Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.3	184.9
115	64.3	51.0	76.4

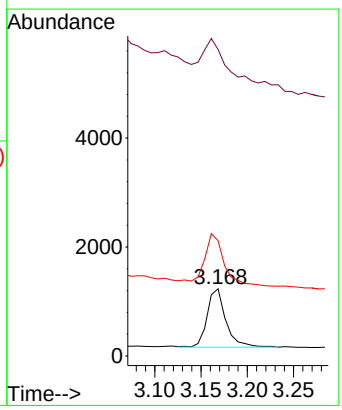


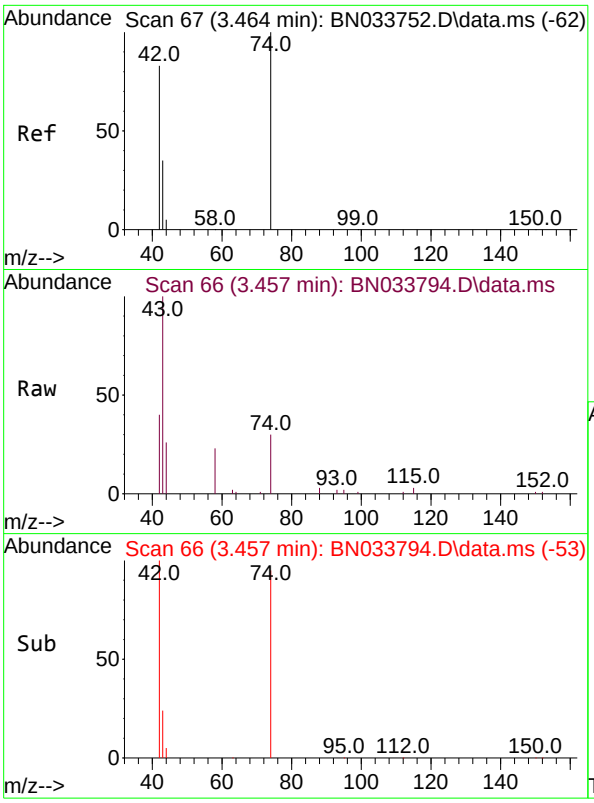


#2
1,4-Dioxane
Concen: 0.320 ng
RT: 3.168 min Scan# 26
Delta R.T. 0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion: 88 Resp: 1494

Ion	Ratio	Lower	Upper
88	100		
43	150.1	29.0	43.4#
58	93.8	64.1	96.1



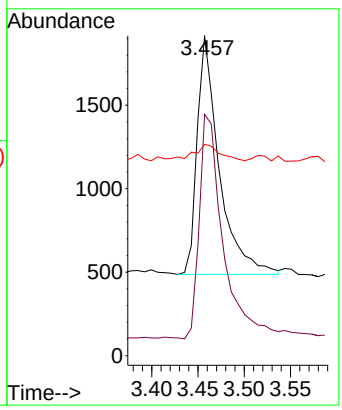


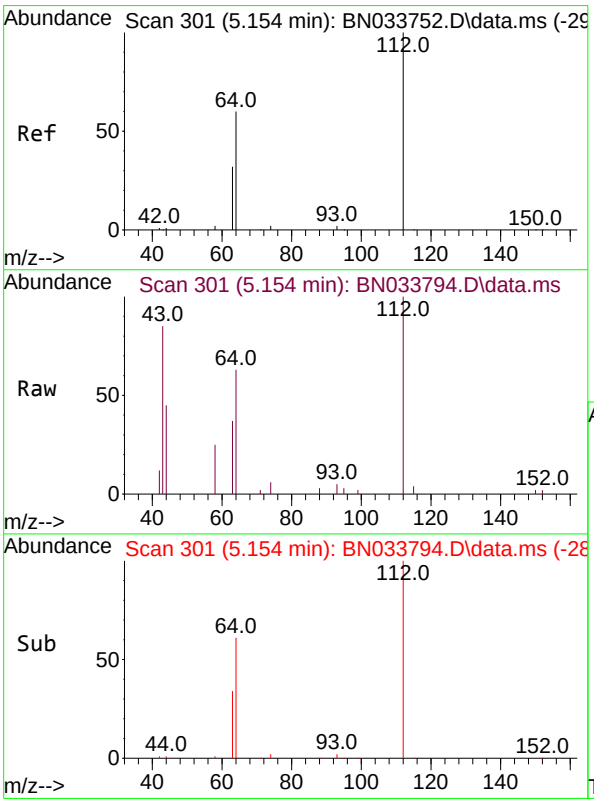
#3
n-Nitrosodimethylamine
Concen: 0.432 ng
RT: 3.457 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion: 42 Resp: 2368

Ion	Ratio	Lower	Upper
42	100		
74	100.0	93.5	140.3
44	9.0	7.4	11.0

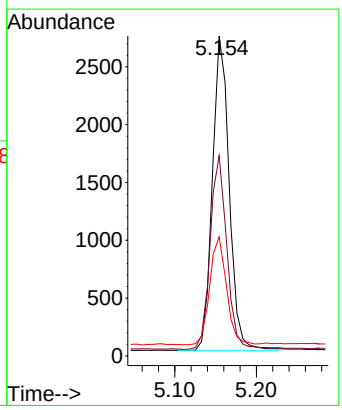


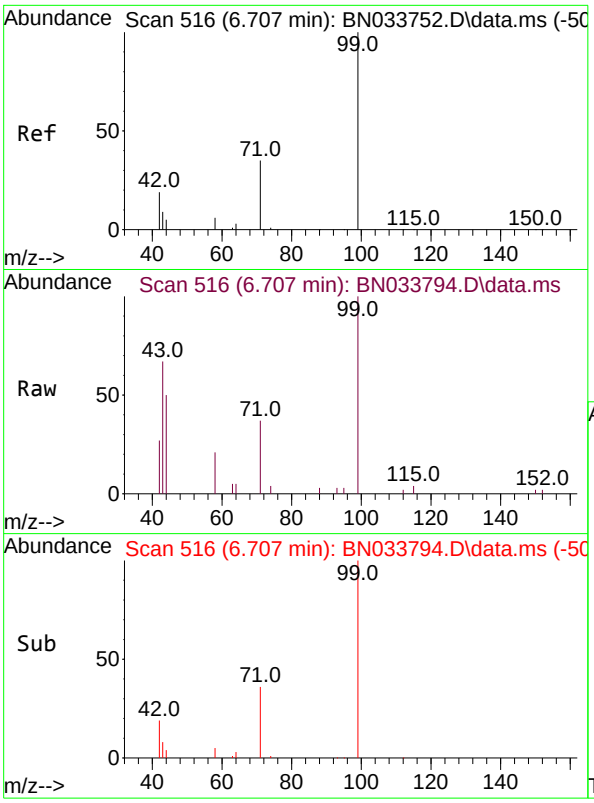


#4
2-Fluorophenol
Concen: 0.309 ng
RT: 5.154 min Scan# 301
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:112 Resp: 3876

Ion	Ratio	Lower	Upper
112	100		
64	61.5	47.6	71.4
63	34.5	25.9	38.9



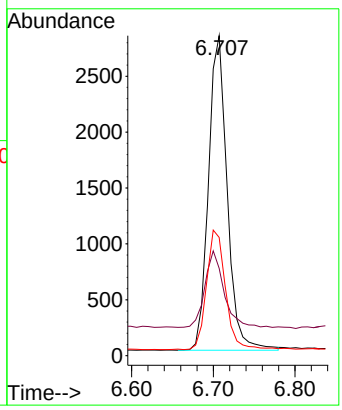


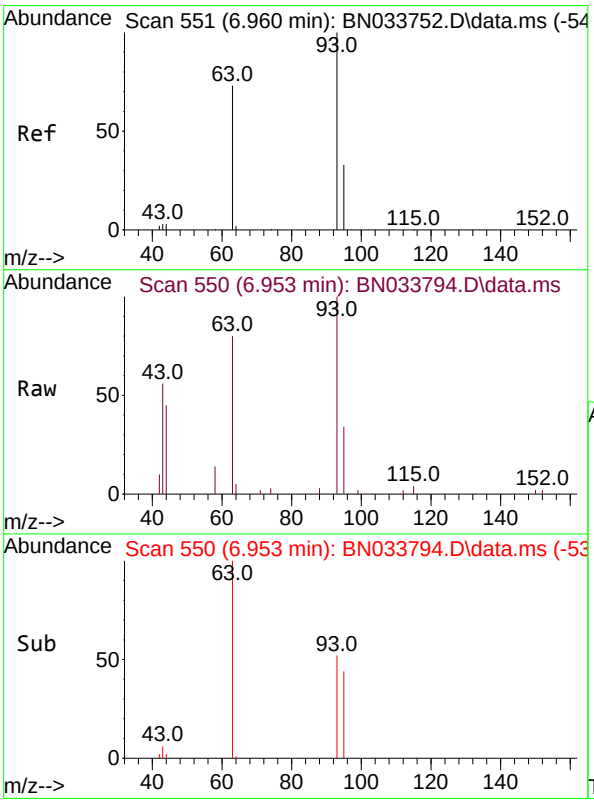
#5
Phenol-d6
Concen: 0.302 ng
RT: 6.707 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion: 99 Resp: 4490

Ion	Ratio	Lower	Upper
99	100		
42	24.7	18.0	27.0
71	38.7	28.7	43.1

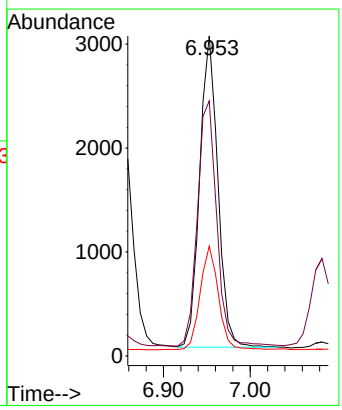


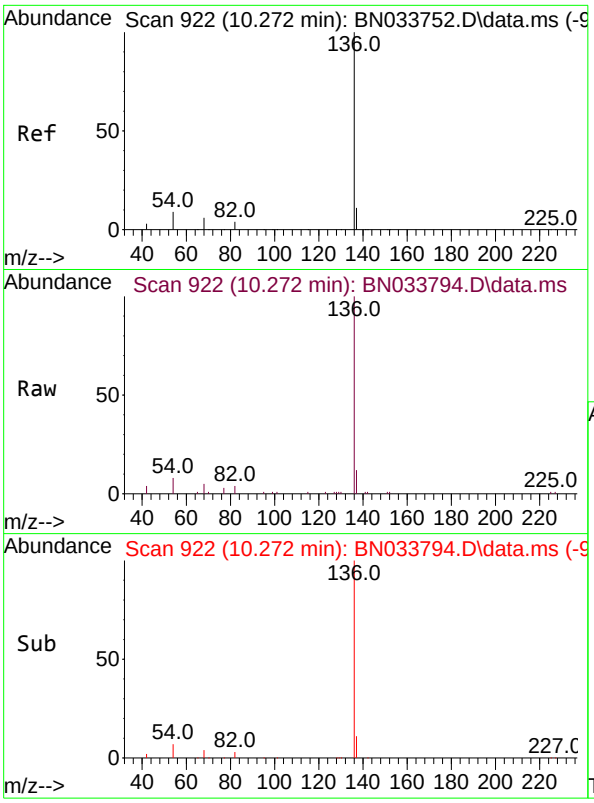


#6
bis(2-Chloroethyl)ether
Concen: 0.389 ng
RT: 6.953 min Scan# 550
Delta R.T. -0.007 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion: 93 Resp: 4358

Ion	Ratio	Lower	Upper
93	100		
63	83.1	64.4	96.6
95	33.5	26.5	39.7



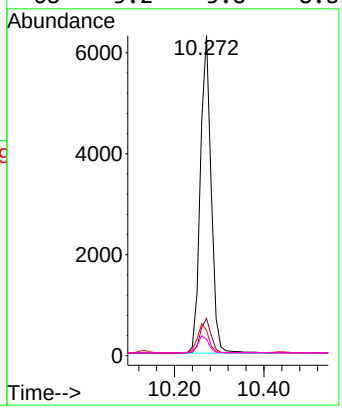


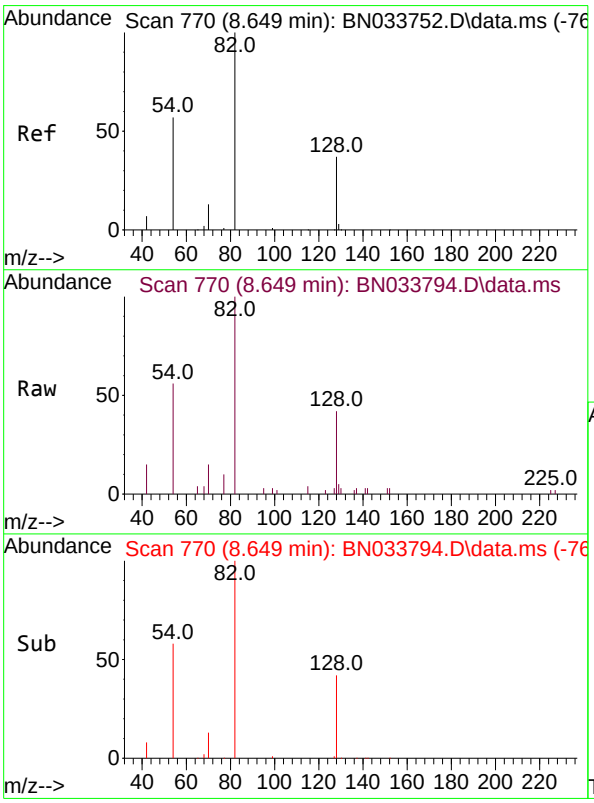
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.272 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:136 Resp: 10577

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.4
54	7.9	8.1	12.1#
68	5.2	5.8	8.8#

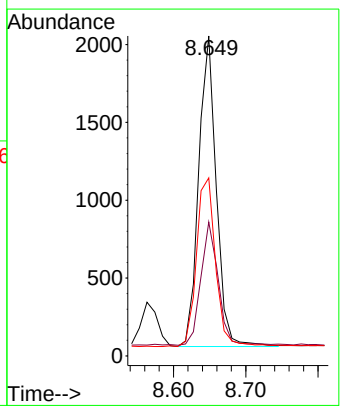


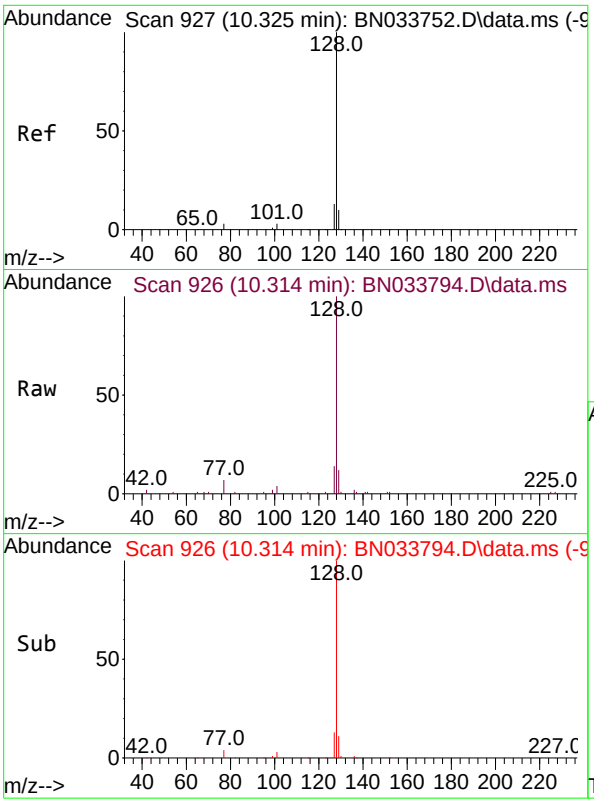


#8
Nitrobenzene-d5
Concen: 0.377 ng
RT: 8.649 min Scan# 770
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion: 82 Resp: 3391

Ion	Ratio	Lower	Upper
82	100		
128	41.8	31.3	46.9
54	55.7	46.9	70.3



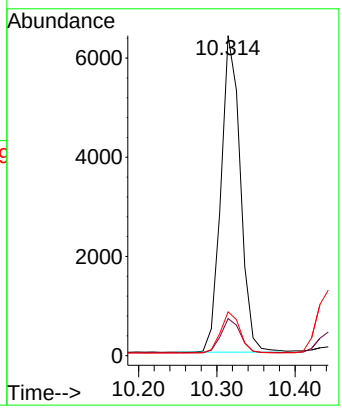


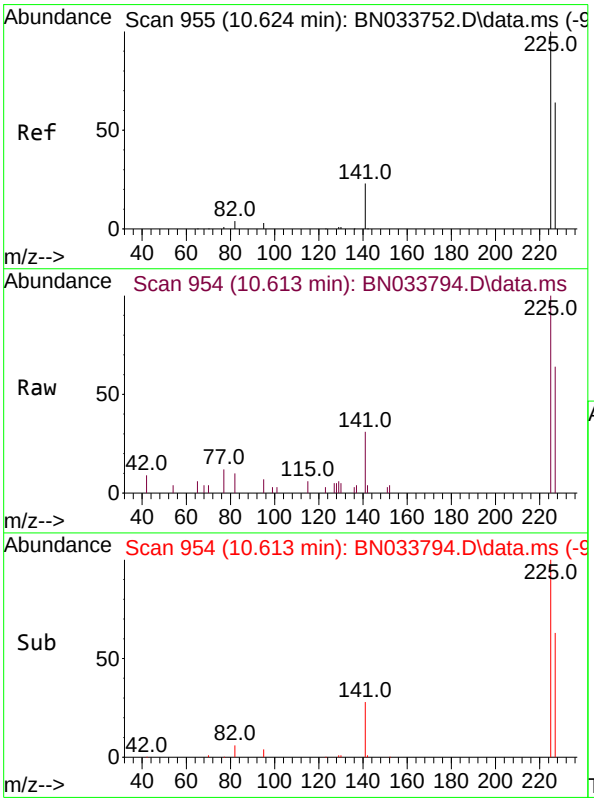
#9
Naphthalene
Concen: 0.388 ng
RT: 10.314 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:128 Resp: 10966

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.9	13.3
127	13.7	10.8	16.2

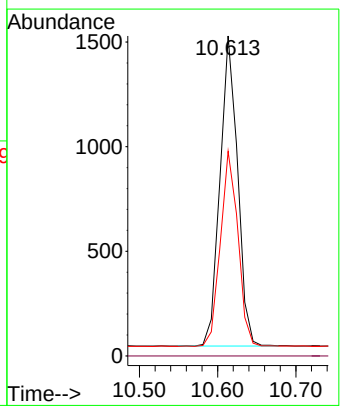


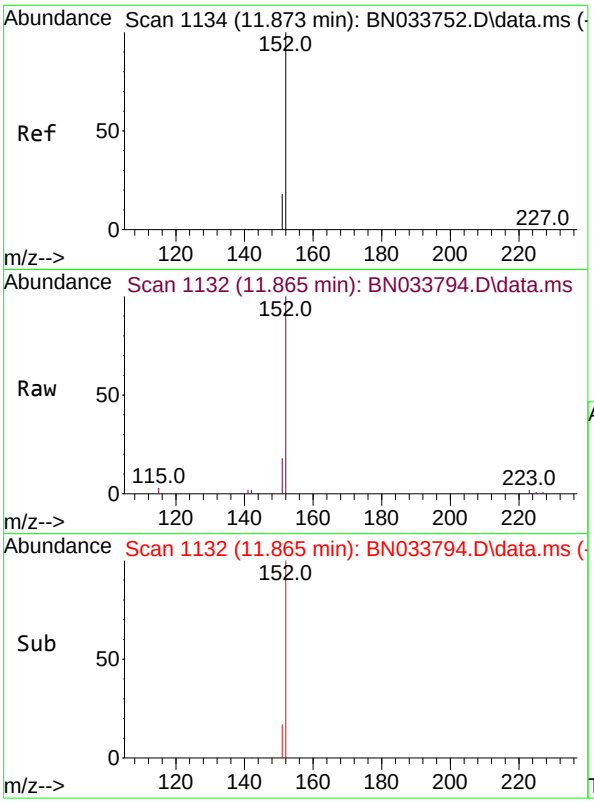


#10
Hexachlorobutadiene
Concen: 0.392 ng
RT: 10.613 min Scan# 954
Delta R.T. -0.011 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:225 Resp: 2308

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	62.7	51.2	76.8



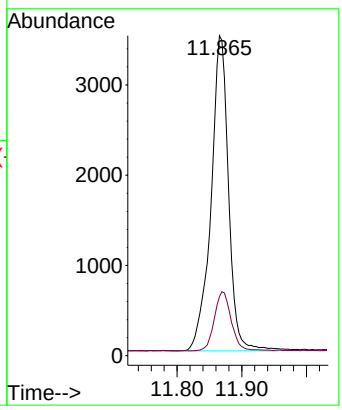


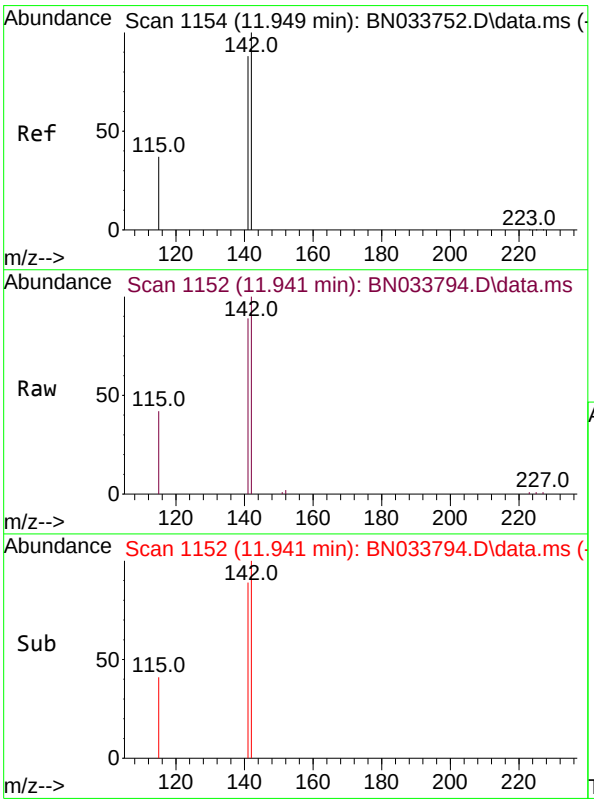
#11
2-Methylnaphthalene-d10
Concen: 0.440 ng
RT: 11.865 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:152 Resp: 6583

Ion	Ratio	Lower	Upper
152	100		
151	18.1	16.7	25.1

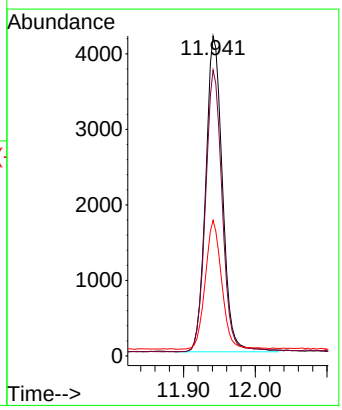


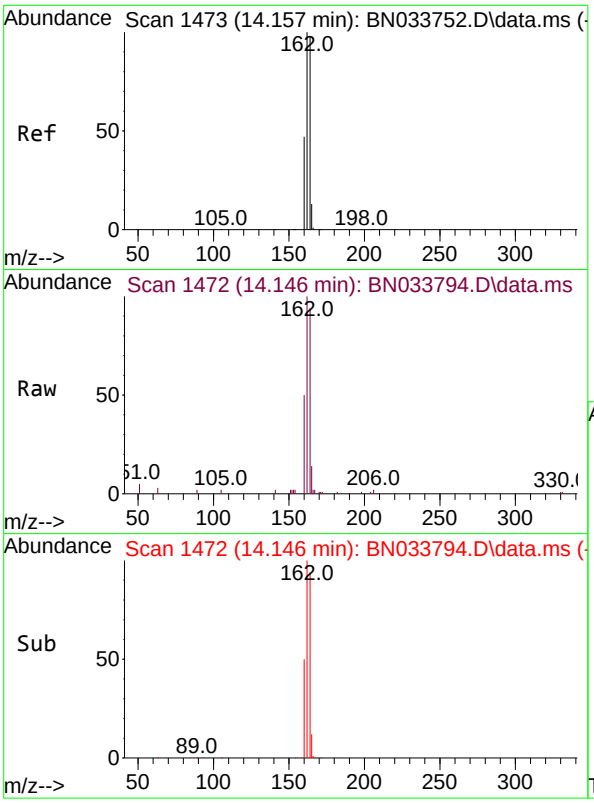


#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 11.941 min Scan# 1152
Delta R.T. -0.008 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:142 Resp: 6806

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.9	106.3
115	42.4	31.0	46.4



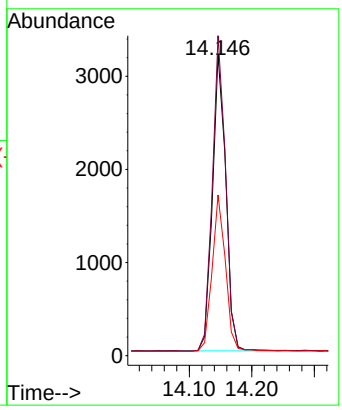


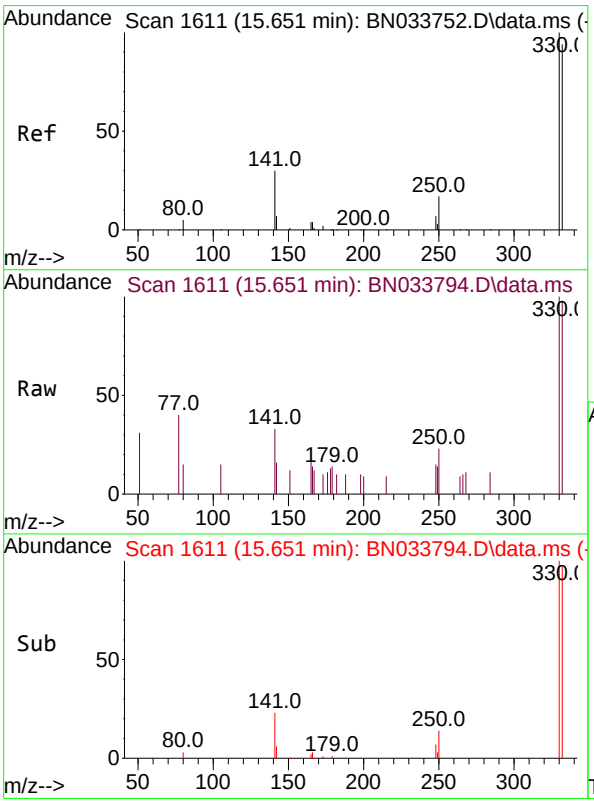
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.146 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:164 Resp: 4723

Ion	Ratio	Lower	Upper
164	100		
162	106.3	82.0	123.0
160	53.4	39.1	58.7

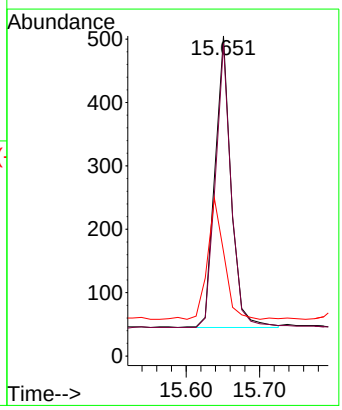


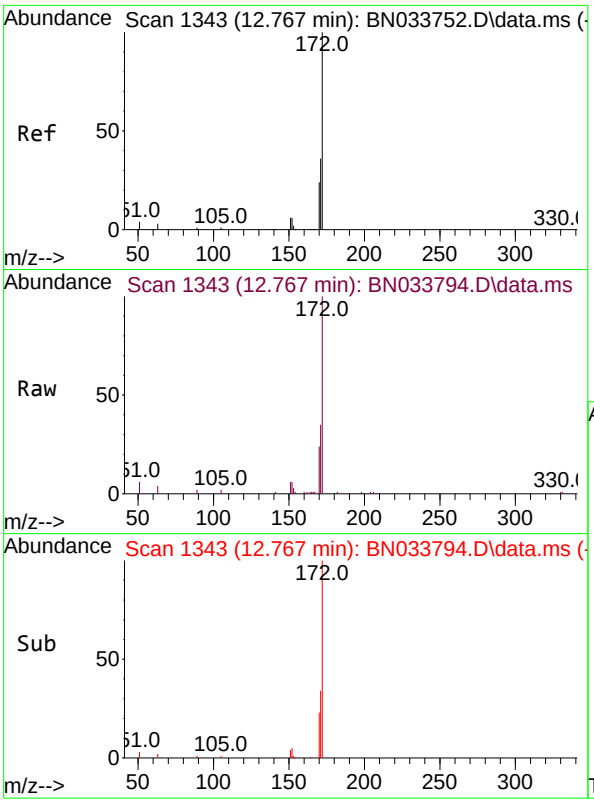


#14
2,4,6-Tribromophenol
Concen: 0.295 ng
RT: 15.651 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:330 Resp: 703

Ion	Ratio	Lower	Upper
330	100		
332	95.4	74.2	111.4
141	42.5	33.9	50.9





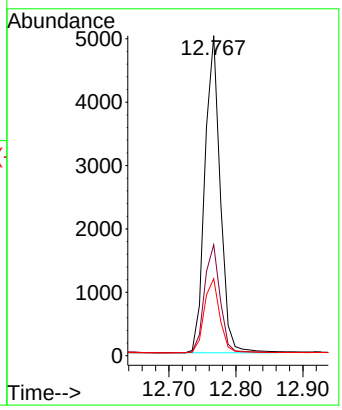
#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 12.767 min Scan# 1

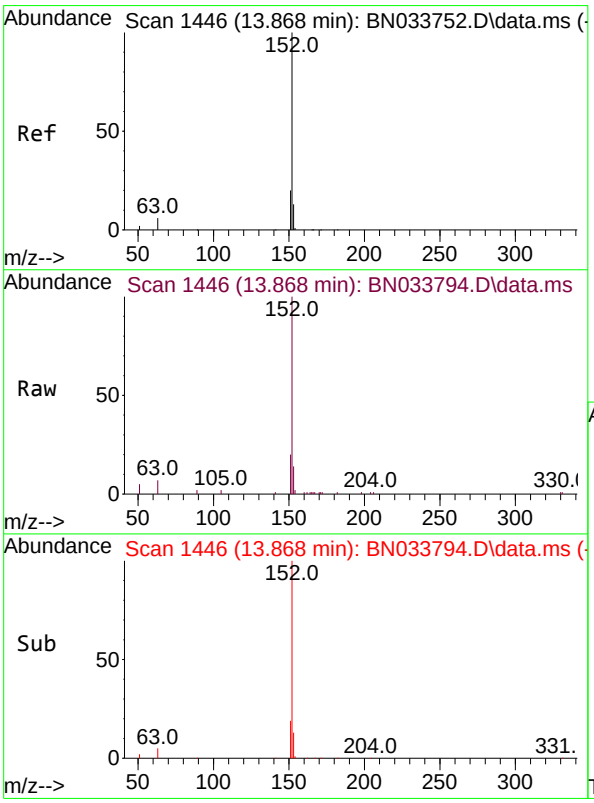
Instrument :
BNA_N
ClientSampleId :
PB163168BS

Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:172 Resp: 7972

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.8	43.2
170	24.0	19.7	29.5

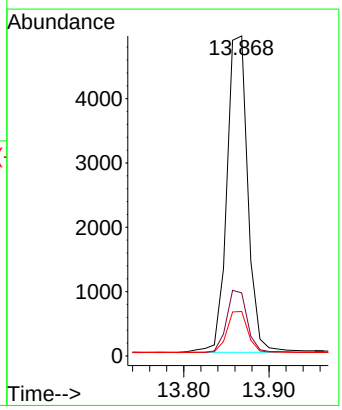


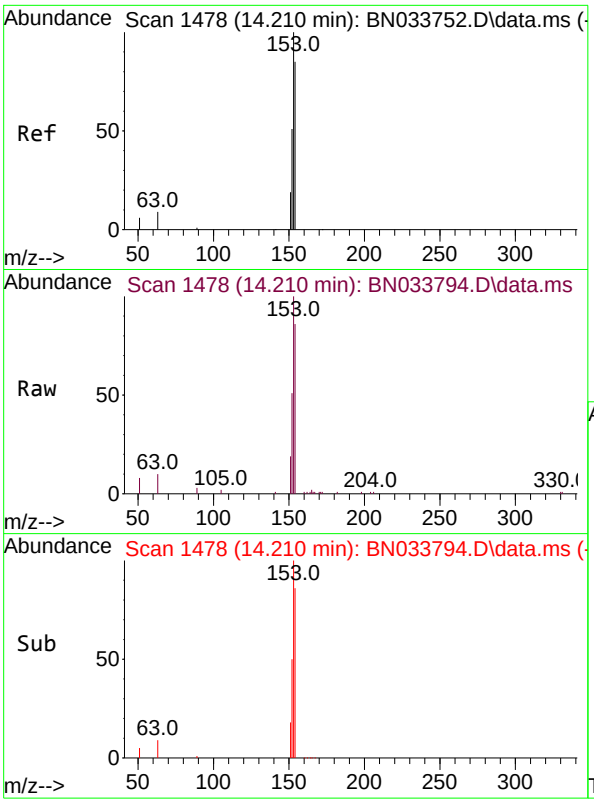


#16
Acenaphthylene
Concen: 0.410 ng
RT: 13.868 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:152 Resp: 8360

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.6	23.4
153	13.0	10.3	15.5



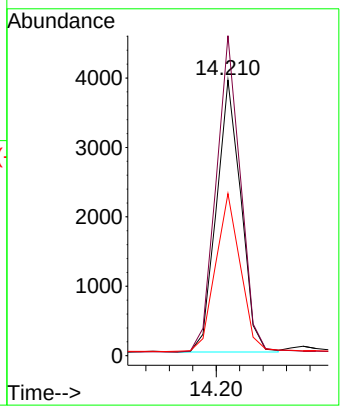


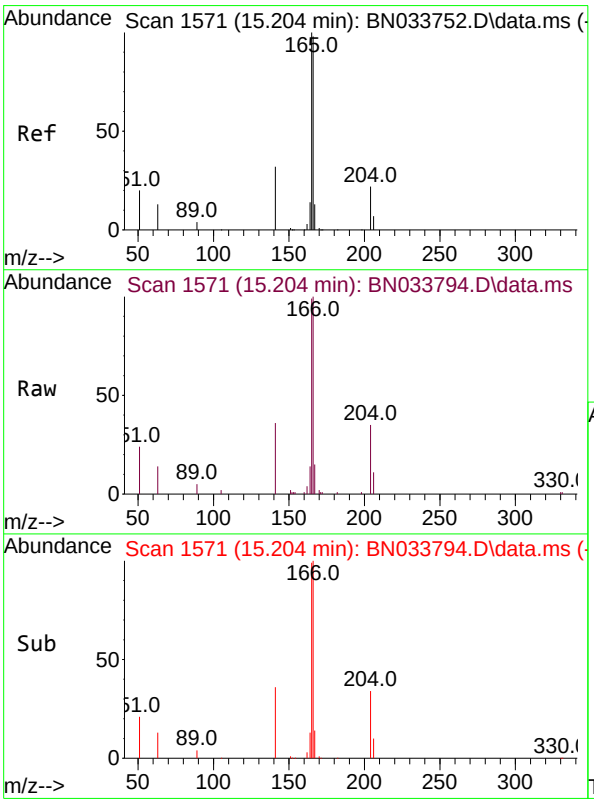
#17
Acenaphthene
Concen: 0.407 ng
RT: 14.210 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:154 Resp: 5692

Ion	Ratio	Lower	Upper
154	100		
153	115.4	91.4	137.2
152	58.7	45.8	68.6

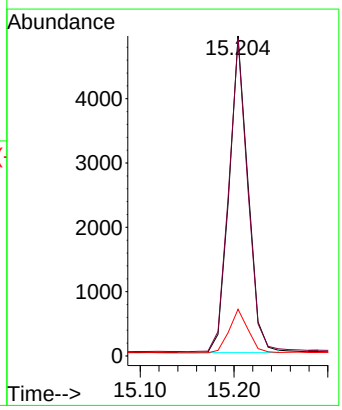


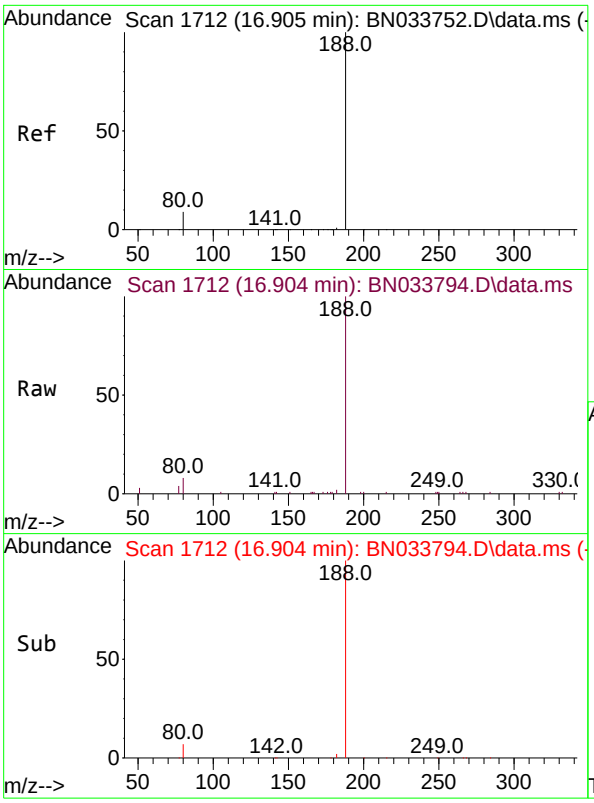


#18
Fluorene
Concen: 0.400 ng
RT: 15.204 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:166 Resp: 6901

Ion	Ratio	Lower	Upper
166	100		
165	98.9	78.8	118.2
167	13.7	10.6	16.0



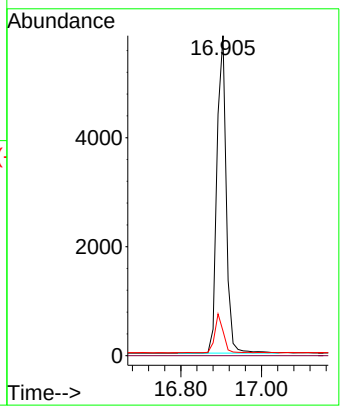


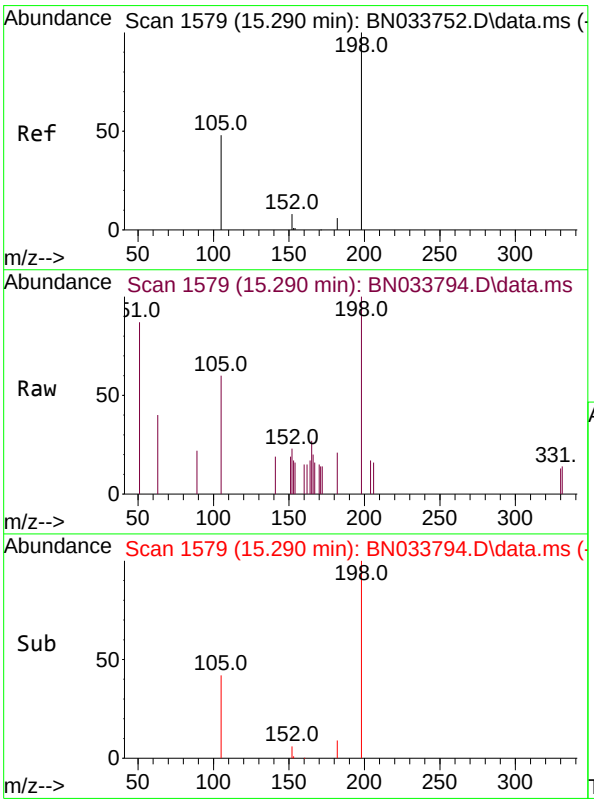
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:188 Resp: 9268

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.7	7.9	11.9#

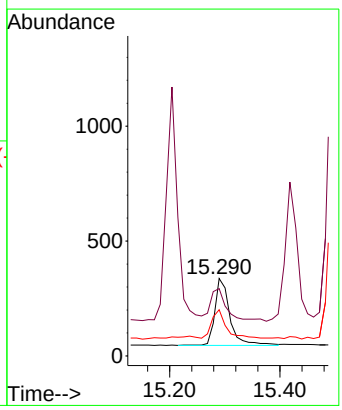


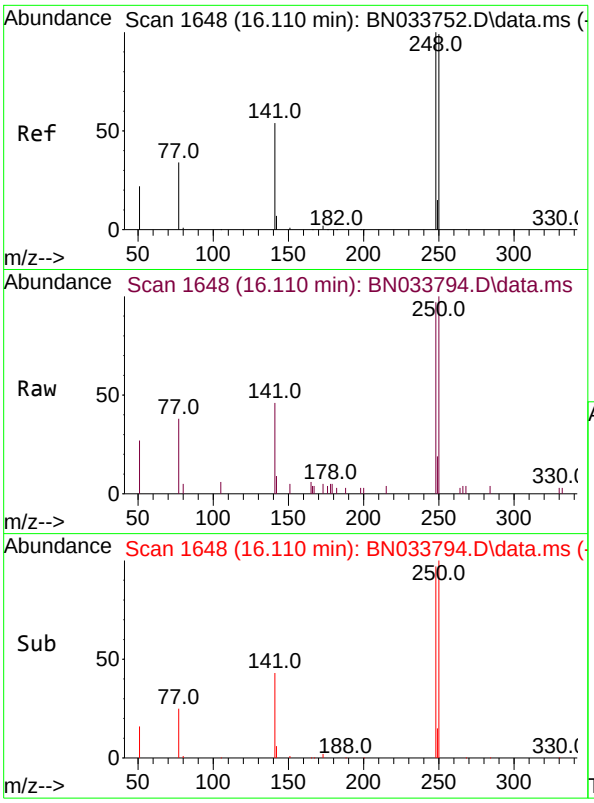


#20
4,6-Dinitro-2-methylphenol
Concen: 0.374 ng
RT: 15.290 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:198 Resp: 547

Ion	Ratio	Lower	Upper
198	100		
51	86.9	92.8	139.2#
105	59.6	59.4	89.0



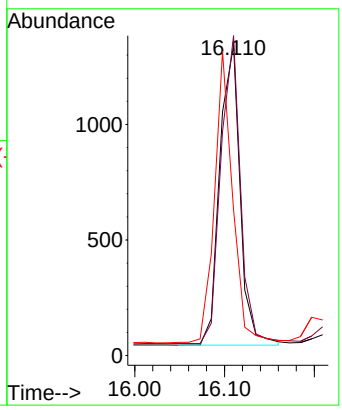


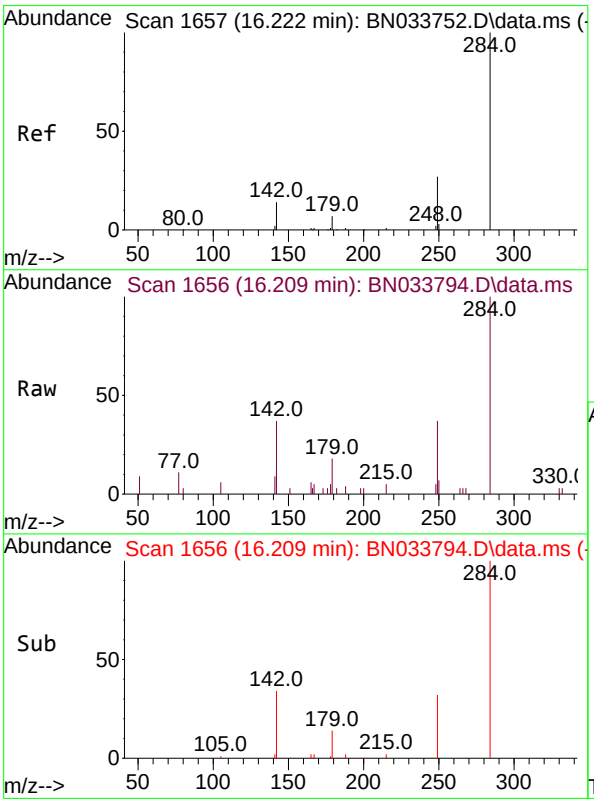
#21
4-Bromophenyl-phenylether
Concen: 0.381 ng
RT: 16.110 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:248 Resp: 2048

Ion	Ratio	Lower	Upper
248	100		
250	103.1	79.5	119.3
141	46.9	44.9	67.3

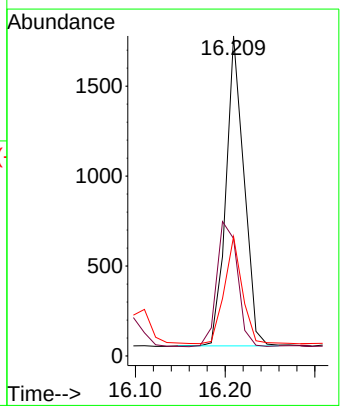


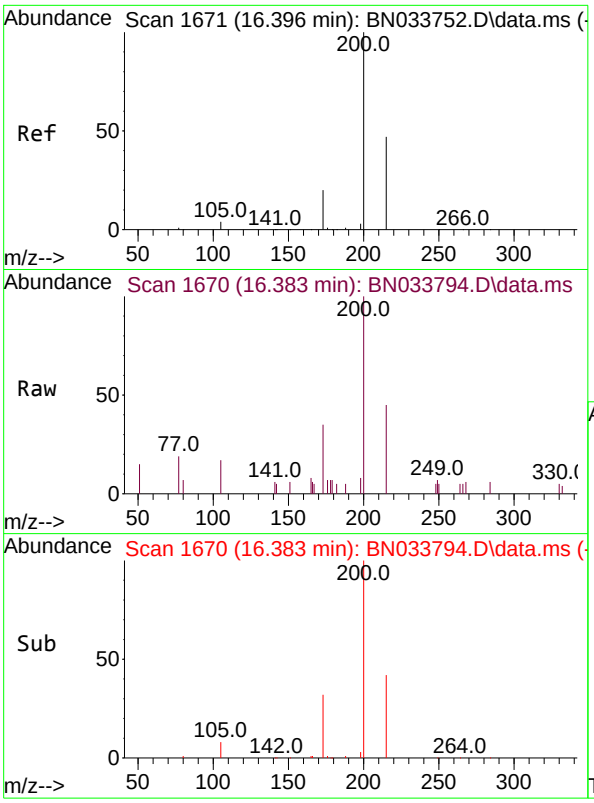


#22
Hexachlorobenzene
Concen: 0.391 ng
RT: 16.209 min Scan# 1656
Delta R.T. -0.013 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:284 Resp: 2405

Ion	Ratio	Lower	Upper
284	100		
142	46.7	32.8	49.2
249	34.2	26.2	39.2



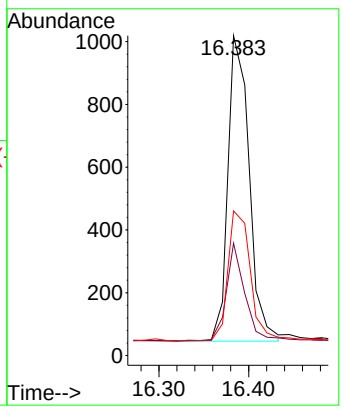


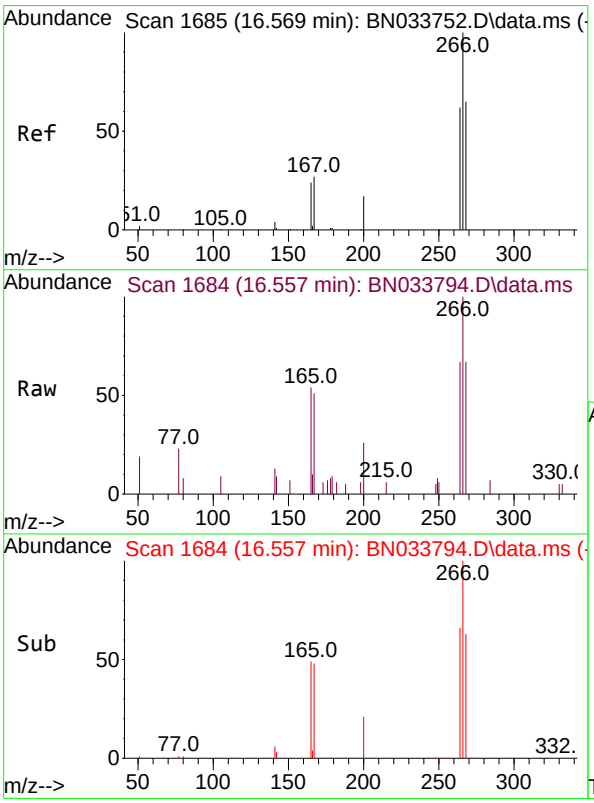
#23
Atrazine
Concen: 0.373 ng
RT: 16.383 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:200 Resp: 1599

Ion	Ratio	Lower	Upper
200	100		
173	35.1	18.2	27.4#
215	45.2	39.0	58.4

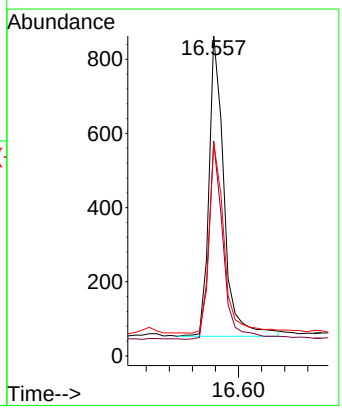


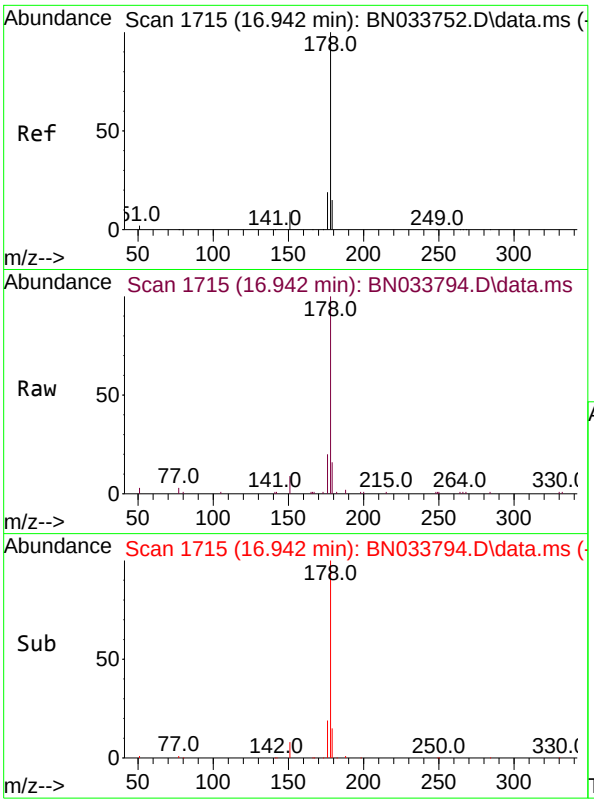


#24
Pentachlorophenol
Concen: 0.580 ng
RT: 16.557 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:266 Resp: 1459

Ion	Ratio	Lower	Upper
266	100		
264	62.4	49.6	74.4
268	62.4	52.2	78.4



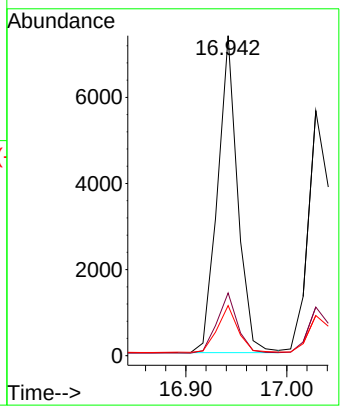


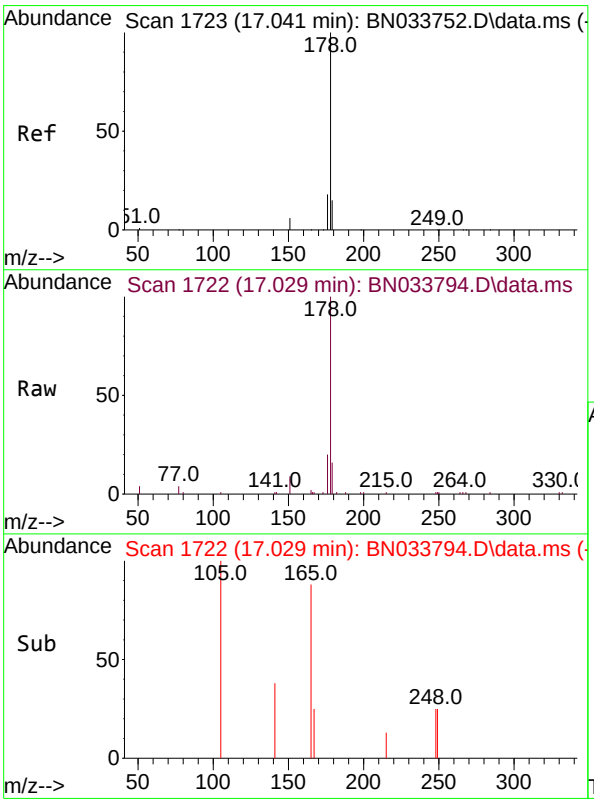
#25
Phenanthrene
Concen: 0.399 ng
RT: 16.942 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:178 Resp: 10199

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.2	12.2	18.4

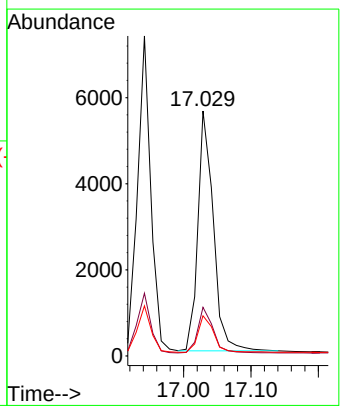


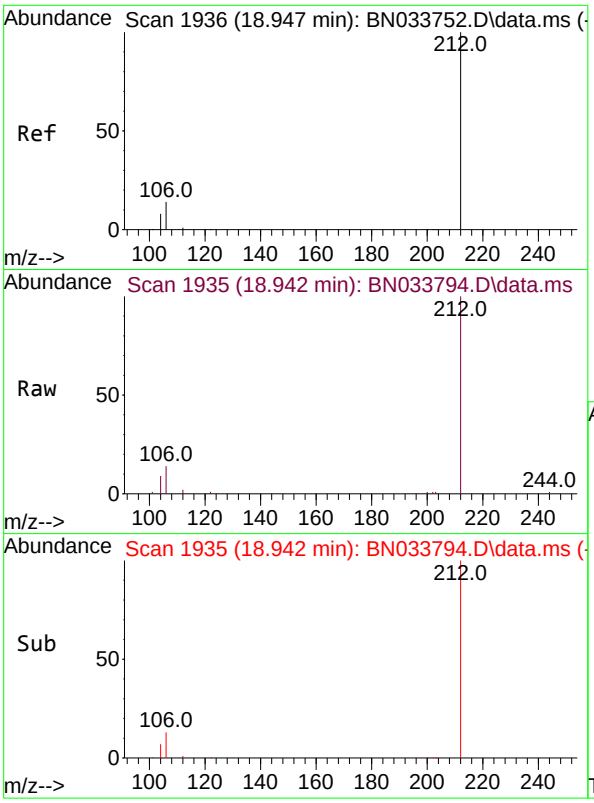


#26
Anthracene
Concen: 0.402 ng
RT: 17.029 min Scan# 1722
Delta R.T. -0.012 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:178 Resp: 8922

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.5	12.4	18.6



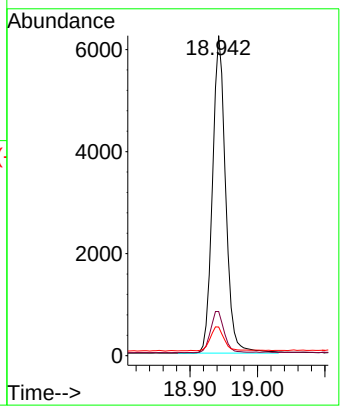


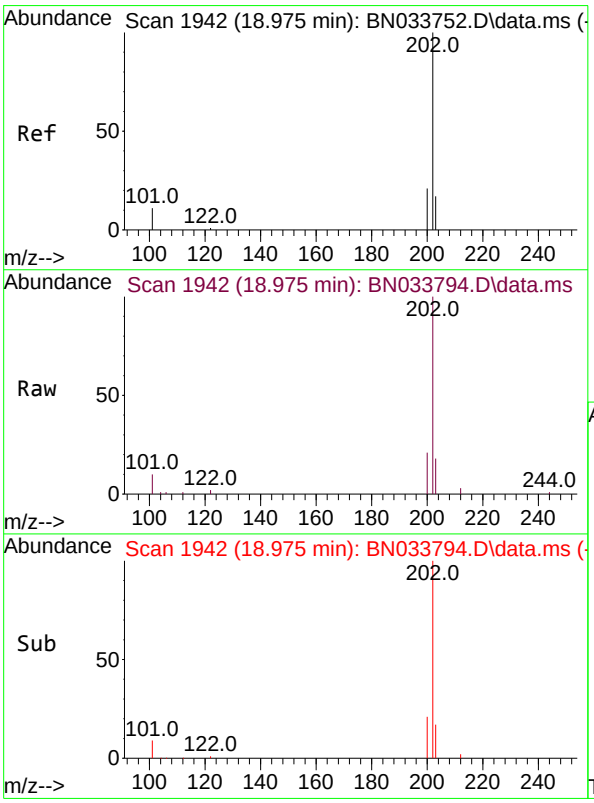
#27
Fluoranthene-d10
Concen: 0.370 ng
RT: 18.942 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:212 Resp: 8452

Ion	Ratio	Lower	Upper
212	100		
106	13.4	11.5	17.3
104	7.9	6.6	9.8

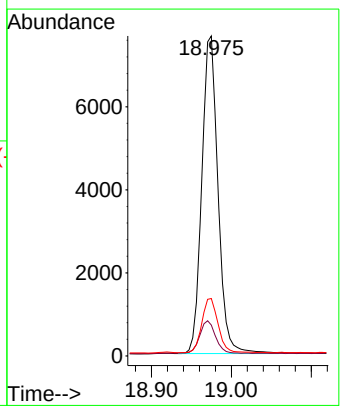


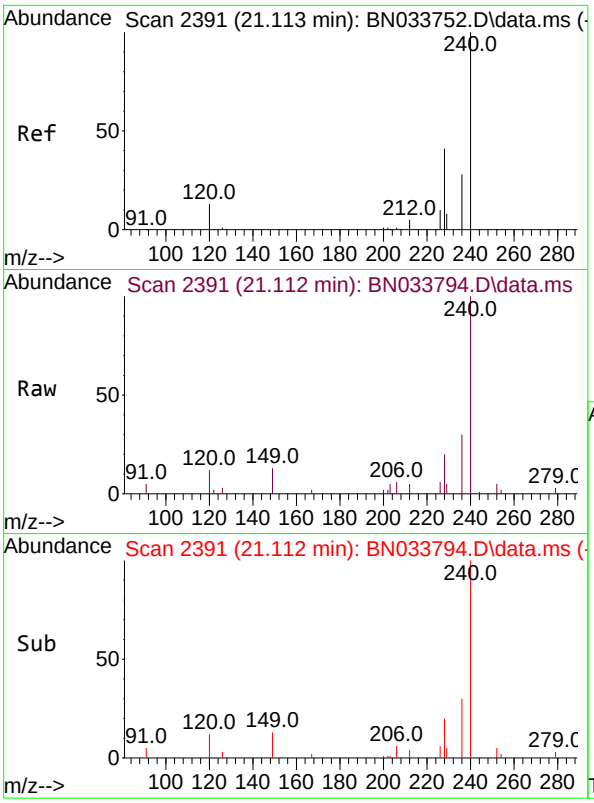


#28
Fluoranthene
Concen: 0.376 ng
RT: 18.975 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:202 Resp: 10772

Ion	Ratio	Lower	Upper
202	100		
101	10.5	9.2	13.8
203	17.2	13.8	20.6



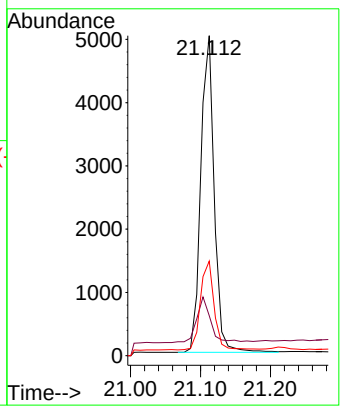


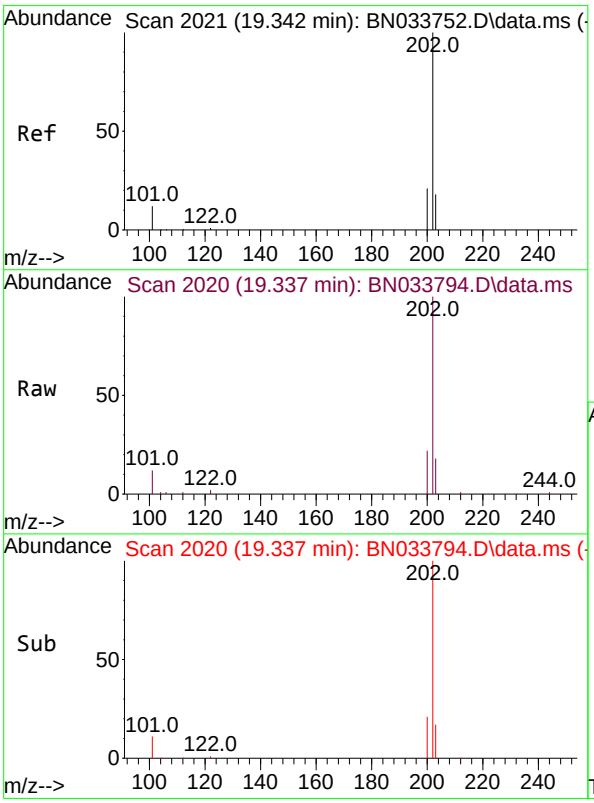
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.112 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:240 Resp: 6695

Ion	Ratio	Lower	Upper
240	100		
120	12.5	13.7	20.5#
236	29.5	23.4	35.2

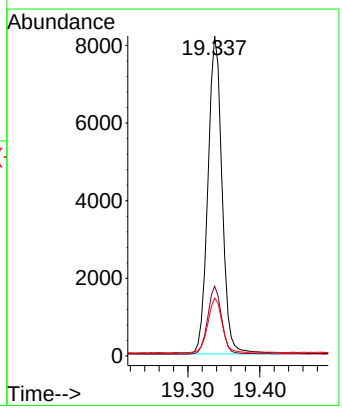


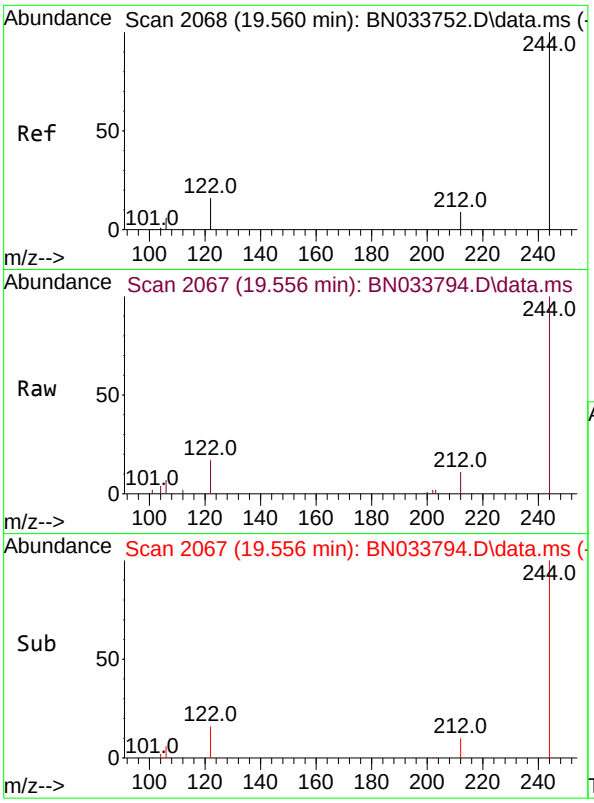


#30
Pyrene
Concen: 0.413 ng
RT: 19.337 min Scan# 2020
Delta R.T. -0.005 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:202 Resp: 11136

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.4	14.4	21.6



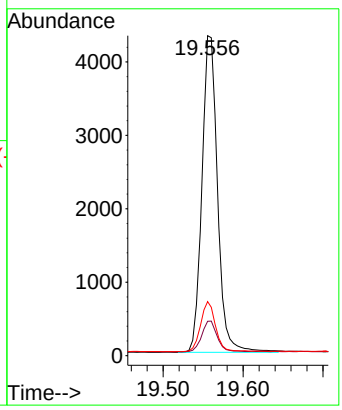


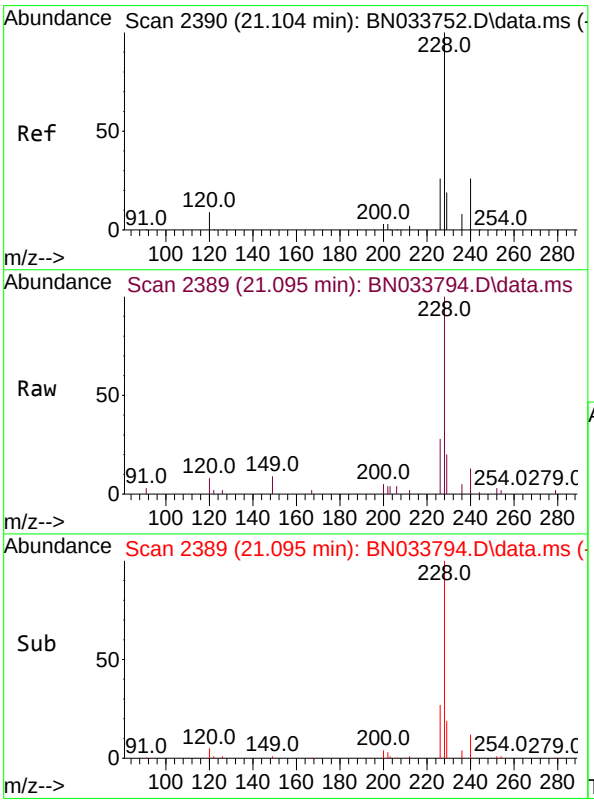
#31
Terphenyl-d14
Concen: 0.410 ng
RT: 19.556 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:244 Resp: 5856

Ion	Ratio	Lower	Upper
244	100		
212	10.7	7.9	11.9
122	16.9	13.2	19.8

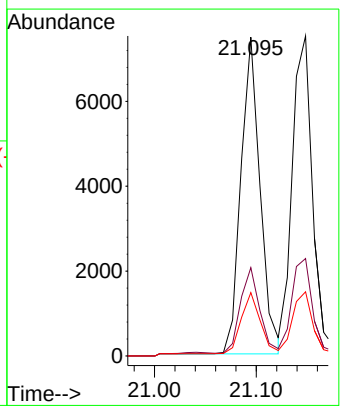


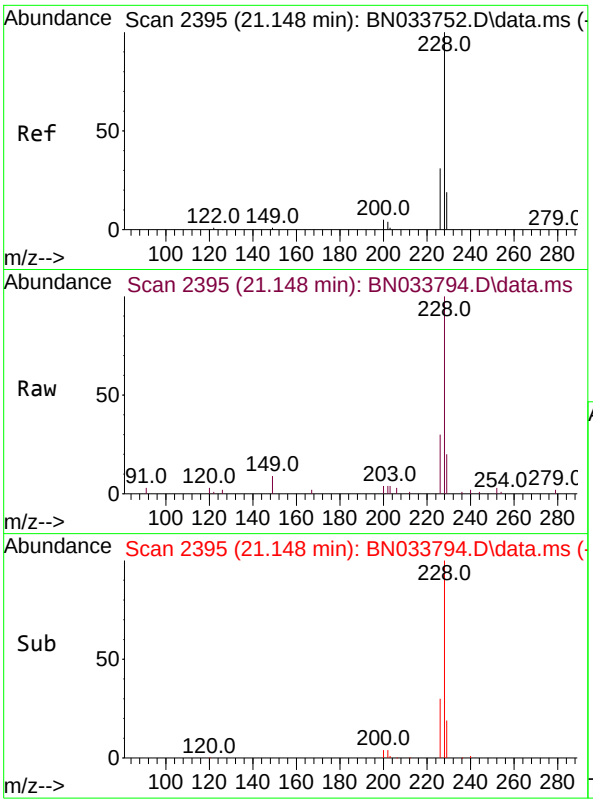


#32
Benzo(a)anthracene
Concen: 0.409 ng
RT: 21.095 min Scan# 2389
Delta R.T. -0.009 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:228 Resp: 9779

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.2	31.8
229	19.9	15.9	23.9



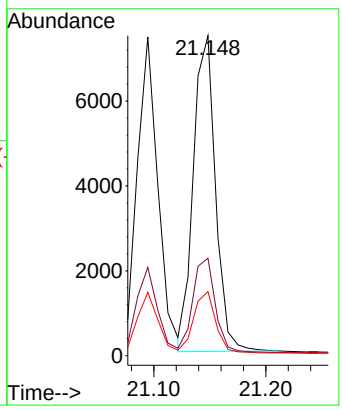


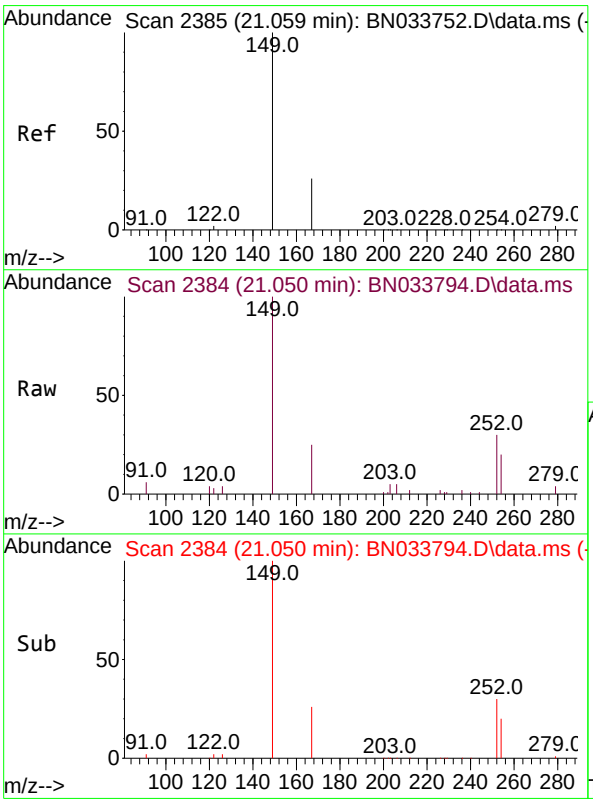
#33
Chrysene
Concen: 0.434 ng
RT: 21.148 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:228 Resp: 10253

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	20.0	15.6	23.4

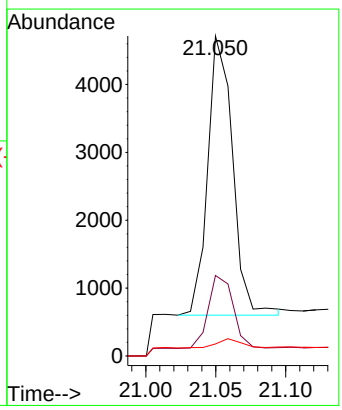


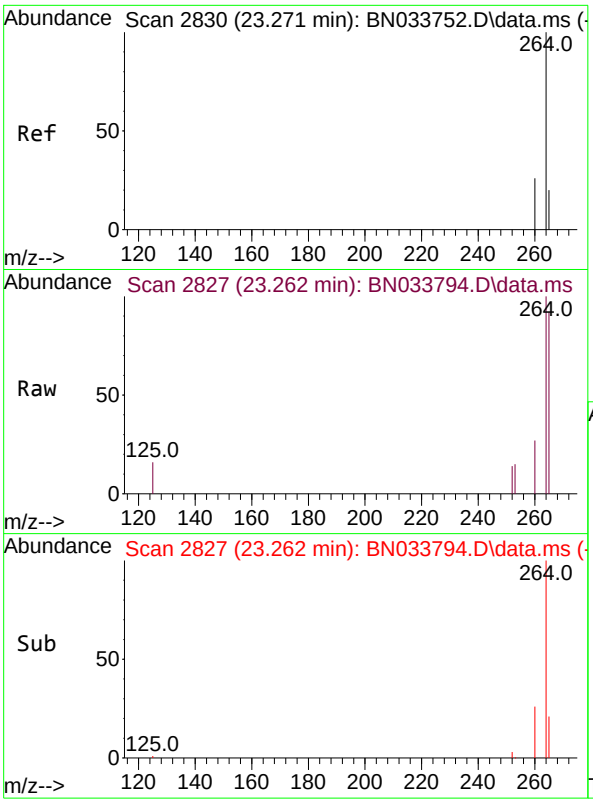


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.392 ng
RT: 21.050 min Scan# 2384
Delta R.T. -0.009 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:149 Resp: 5112

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.4
279	3.2	2.4	3.6



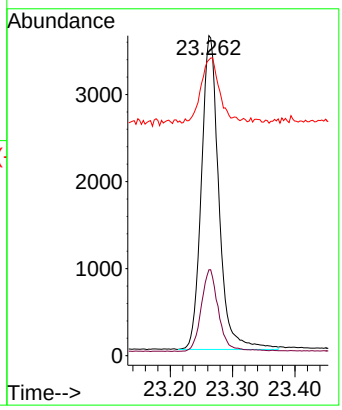


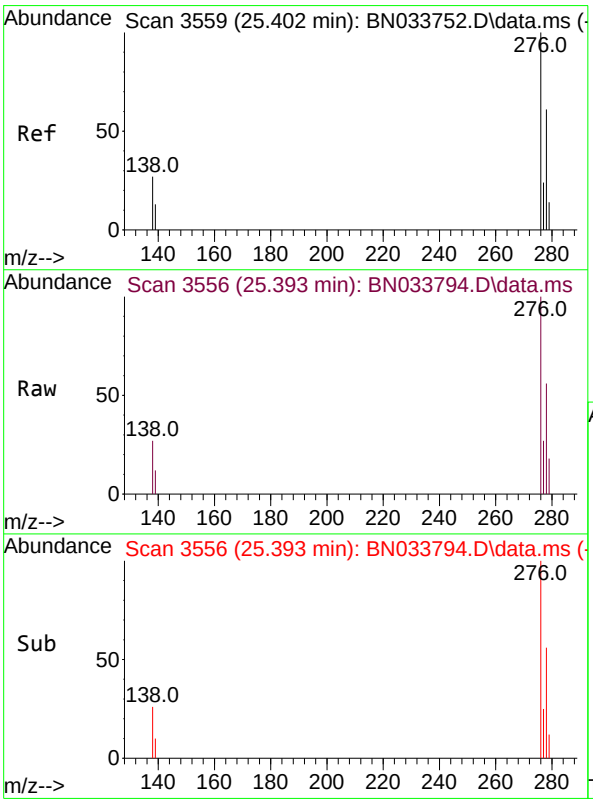
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.262 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:264 Resp: 7016

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.1	31.7
265	92.4	72.0	108.0

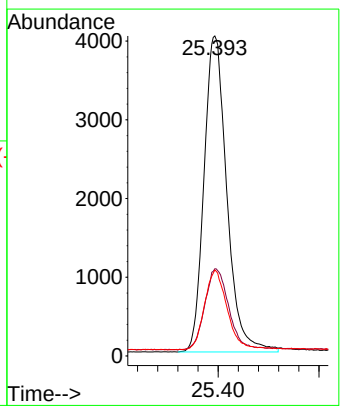


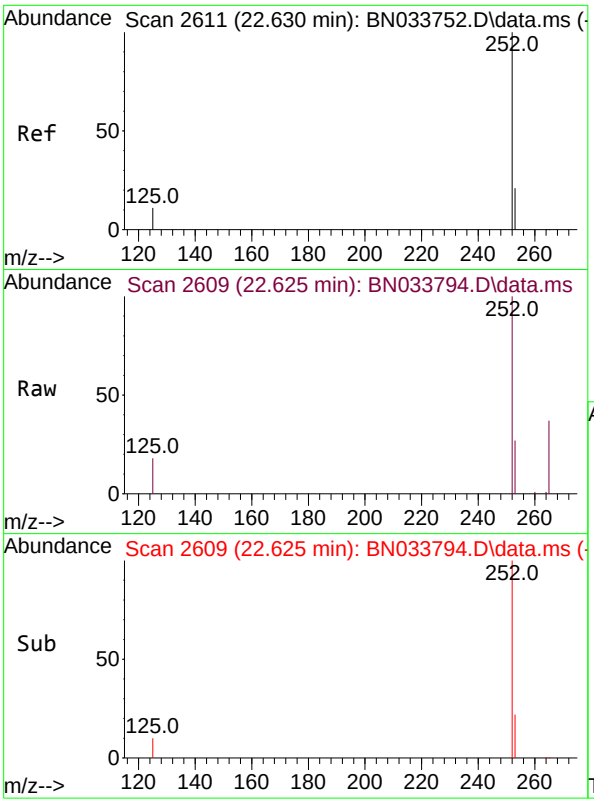


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.436 ng
RT: 25.393 min Scan# 3556
Delta R.T. -0.009 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:276 Resp: 12641

Ion	Ratio	Lower	Upper
276	100		
138	26.9	23.0	34.6
277	24.7	20.2	30.4



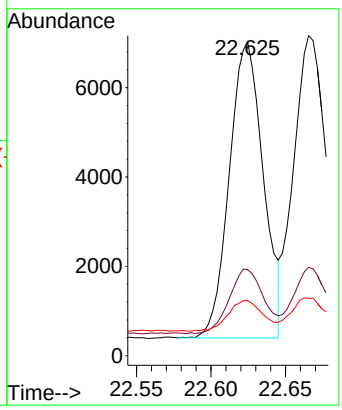


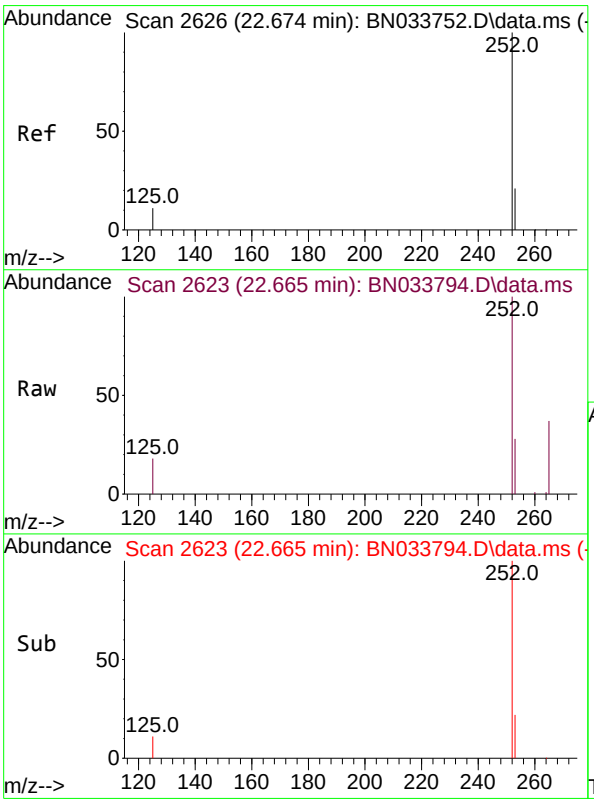
#37
Benzo(b)fluoranthene
Concen: 0.407 ng
RT: 22.625 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:252 Resp: 10495

Ion	Ratio	Lower	Upper
252	100		
253	27.4	21.8	32.6
125	17.5	15.4	23.0

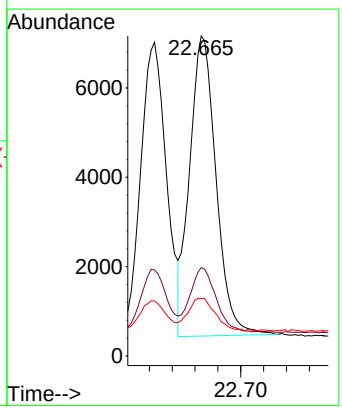


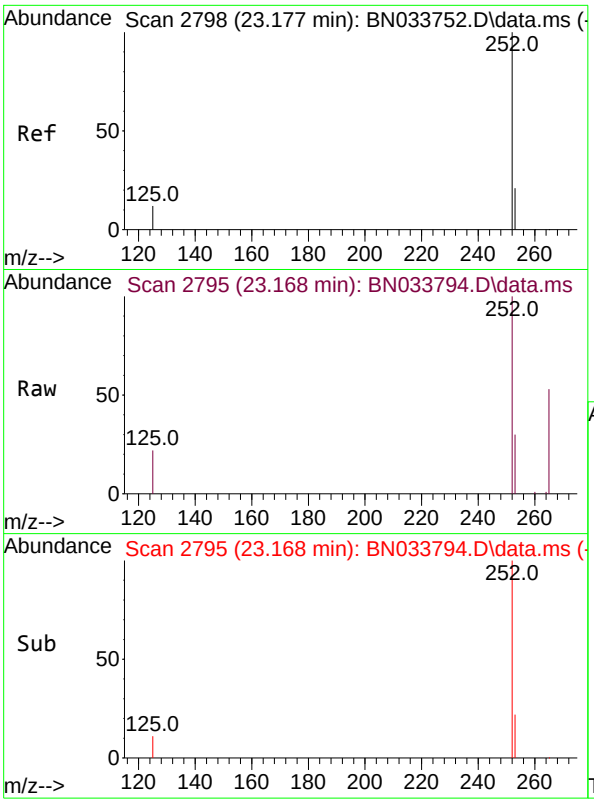


#38
Benzo(k)fluoranthene
Concen: 0.430 ng
RT: 22.665 min Scan# 2623
Delta R.T. -0.009 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:252 Resp: 10814

Ion	Ratio	Lower	Upper
252	100		
253	27.6	21.8	32.8
125	17.9	15.4	23.2



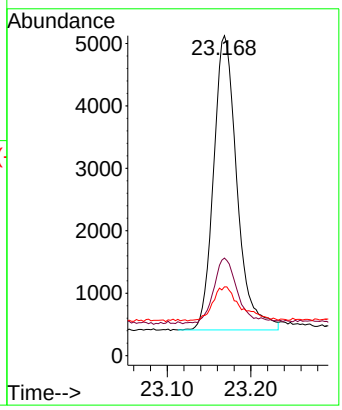


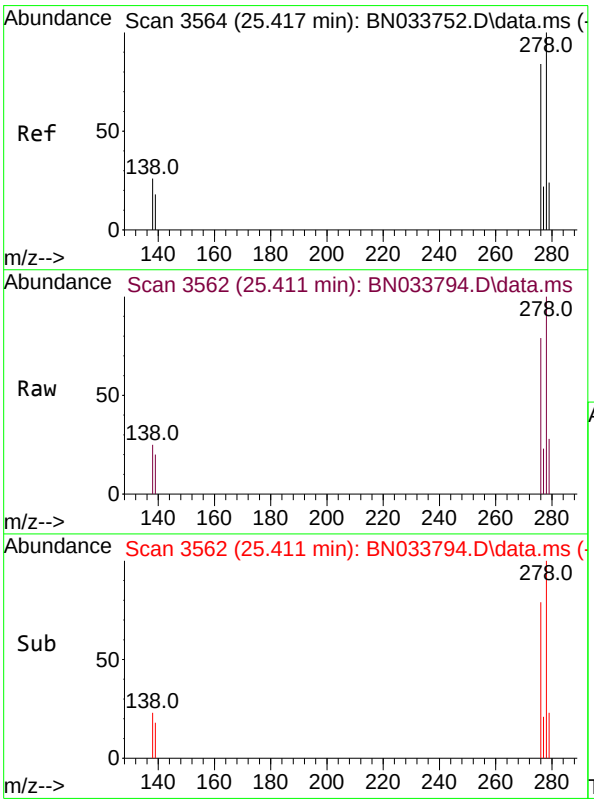
#39
Benzo(a)pyrene
Concen: 0.426 ng
RT: 23.168 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:252 Resp: 9178

Ion	Ratio	Lower	Upper
252	100		
253	30.5	24.0	36.0
125	21.5	19.1	28.7

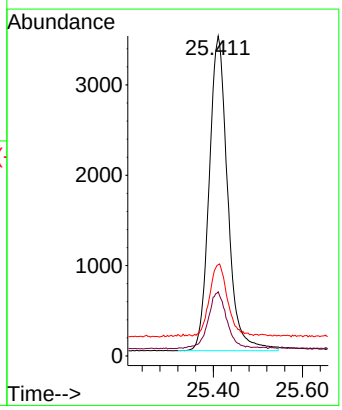


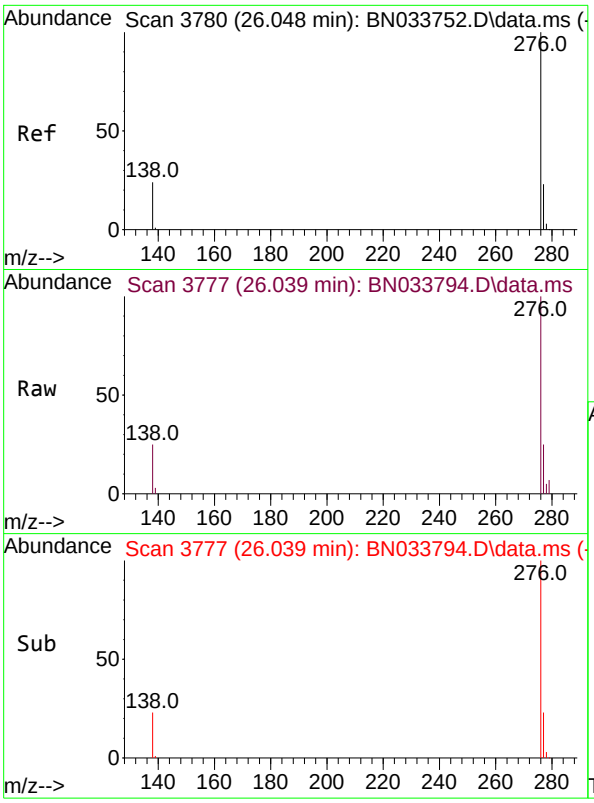


#40
Dibenzo(a,h)anthracene
Concen: 0.433 ng
RT: 25.411 min Scan# 3562
Delta R.T. -0.006 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Tgt Ion:278 Resp: 10056

Ion	Ratio	Lower	Upper
278	100		
139	20.1	16.7	25.1
279	28.5	23.4	35.0





#41
Benzo(g,h,i)perylene
Concen: 0.403 ng
RT: 26.039 min Scan# 3
Delta R.T. -0.009 min
Lab File: BN033794.D
Acq: 06 Sep 2024 22:52

Instrument :
BNA_N
ClientSampleId :
PB163168BS

Tgt Ion:276 Resp: 10144

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.3	30.5
138	24.6	20.9	31.3