Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090624\
Data File : BN033802.D
Acq On : 07 Sep 2024 03:42
Operator : MA/JU
Sample : PB163149BSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Quant Time: Sep 07 04:43:43 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	7.509	152	4368	0.400	ng	0.00
7) Naphthalene-d8	10.271	136	11230	0.400	ng	# 0.00
13) Acenaphthene-d10	14.146	164	5068	0.400	ng	-0.01
19) Phenanthrene-d10	16.904	188	9664	0.400	ng	# 0.00
29) Chrysene-d12	21.112	240	7246	0.400	ng	# 0.00
35) Perylene-d12	23.262	264	7548	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.154	112	4178	0.312	ng	0.00
5) Phenol-d6	6.707	99	4783	0.302	ng	0.00
8) Nitrobenzene-d5	8.649	82	3654	0.382	ng	0.00
11) 2-Methylnaphthalene-d10	11.865	152	7705	0.485	ng	0.00
14) 2,4,6-Tribromophenol	15.651	330	750	0.293	ng	0.00
15) 2-Fluorobiphenyl	12.767	172	8528	0.404	ng	0.00
27) Fluoranthene-d10	18.942	212	8989	0.377	ng	0.00
31) Terphenyl-d14	19.555	244	6299	0.408	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.168	88	1561	0.314	ng	# 41
3) n-Nitrosodimethylamine	3.457	42	2499	0.428	ng	# 86
6) bis(2-Chloroethyl)ether	6.953	93	4664	0.390	ng	99
9) Naphthalene	10.314	128	11651	0.388	ng	99
10) Hexachlorobutadiene	10.613	225	2453	0.393	ng	# 100
12) 2-Methylnaphthalene	11.941	142	7240	0.394	ng	97
16) Acenaphthylene	13.857	152	8885	0.406	ng	100
17) Acenaphthene	14.210	154	6165	0.410	ng	99
18) Fluorene	15.204	166	7355	0.397	ng	100
20) 4,6-Dinitro-2-methylph...	15.290	198	616	0.404	ng	# 71
21) 4-Bromophenyl-phenylether	16.110	248	2201	0.393	ng	# 91
22) Hexachlorobenzene	16.209	284	2563	0.399	ng	95
23) Atrazine	16.383	200	1726	0.386	ng	# 91
24) Pentachlorophenol	16.557	266	1535	0.585	ng	98
25) Phenanthrene	16.942	178	10980	0.412	ng	99
26) Anthracene	17.028	178	9414	0.407	ng	99
28) Fluoranthene	18.970	202	11479	0.385	ng	99
30) Pyrene	19.337	202	11880	0.407	ng	100
32) Benzo(a)anthracene	21.094	228	10396	0.402	ng	98
33) Chrysene	21.148	228	11039	0.431	ng	98
34) Bis(2-ethylhexyl)phtha...	21.050	149	5430	0.385	ng	100
36) Indeno(1,2,3-cd)pyrene	25.396	276	13703	0.439	ng	97
37) Benzo(b)fluoranthene	22.624	252	11128	0.401	ng	98
38) Benzo(k)fluoranthene	22.668	252	11623m	0.430	ng	
39) Benzo(a)pyrene	23.171	252	10046	0.433	ng	97
40) Dibenzo(a,h)anthracene	25.408	278	10791	0.432	ng	99
41) Benzo(g,h,i)perylene	26.045	276	10828	0.399	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090624\
Data File : BN033802.D
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Misc :
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Instrument :
BNA_N
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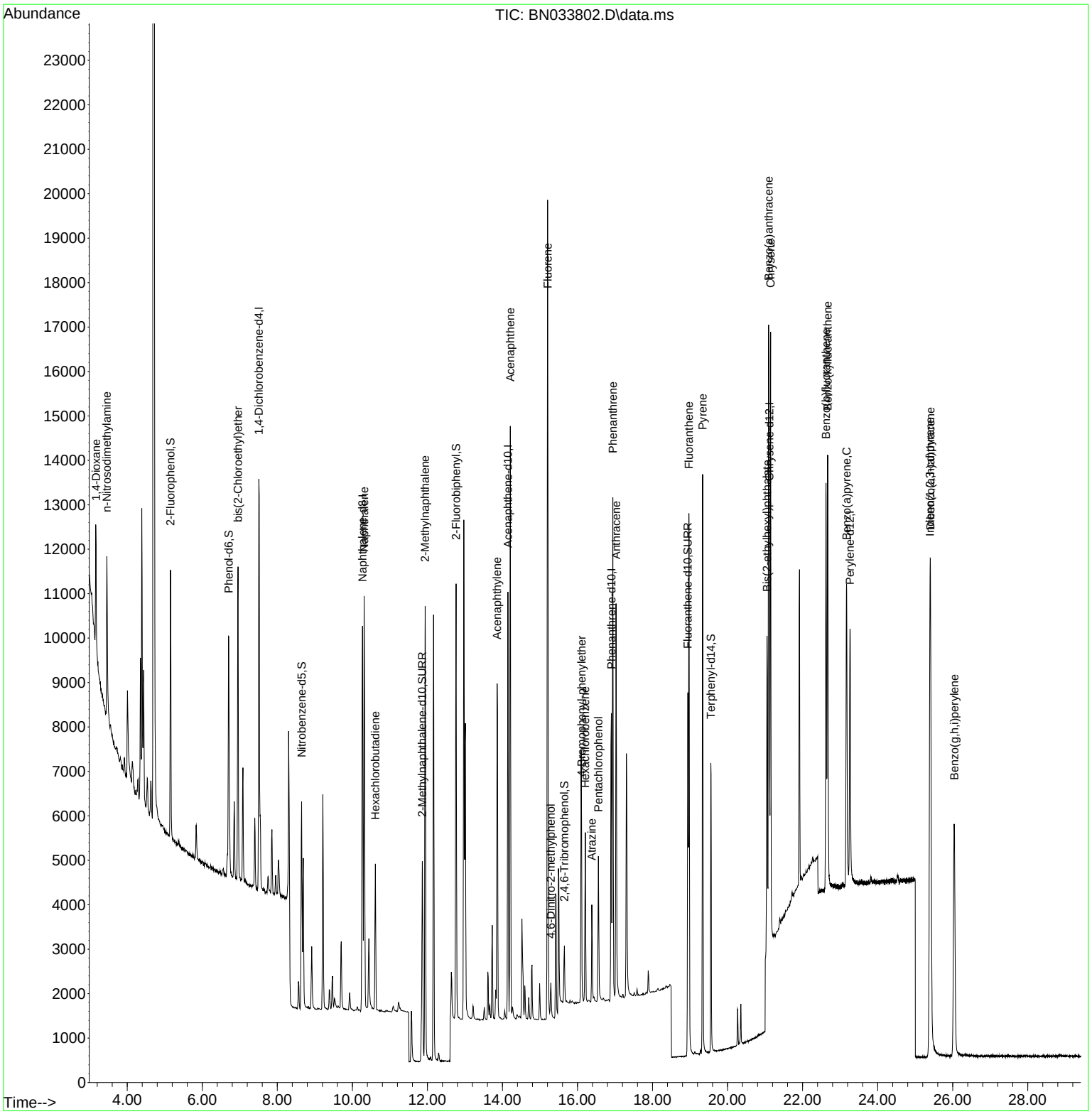
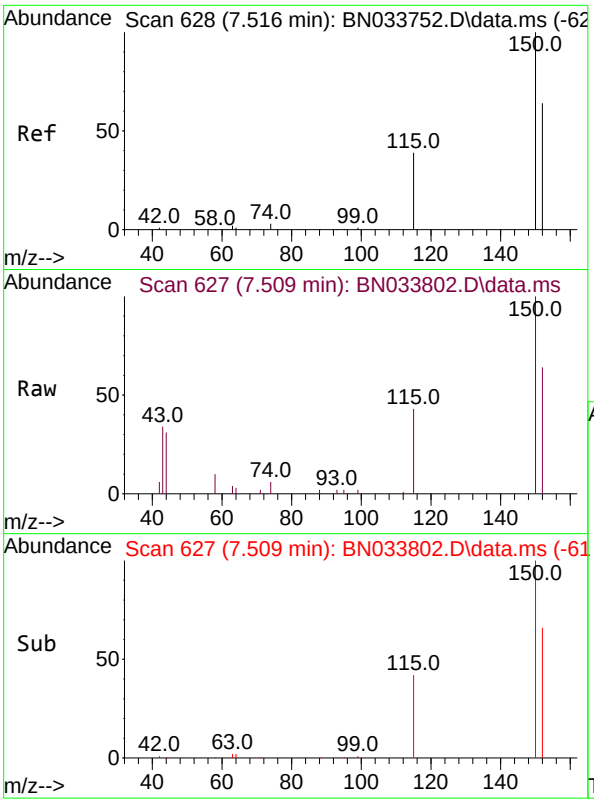
Quant Time: Sep 07 04:43:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN090424.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 04 18:36:01 2024
Response via : Initial Calibration



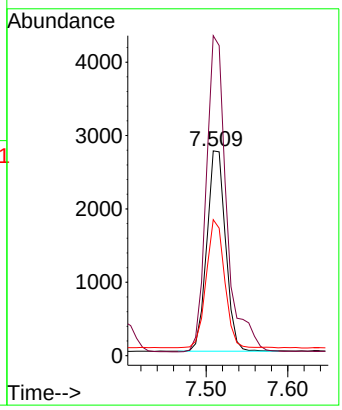


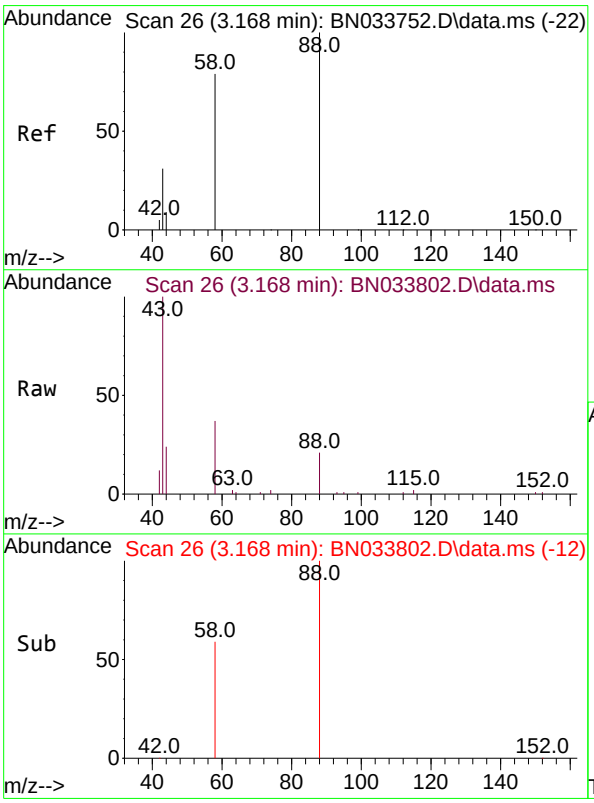
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.509 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:152 Resp: 4368

Ion	Ratio	Lower	Upper
152	100		
150	156.3	123.3	184.9
115	66.4	51.0	76.4

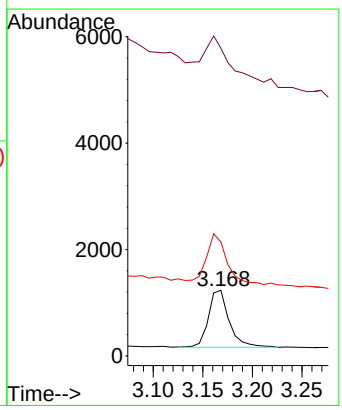


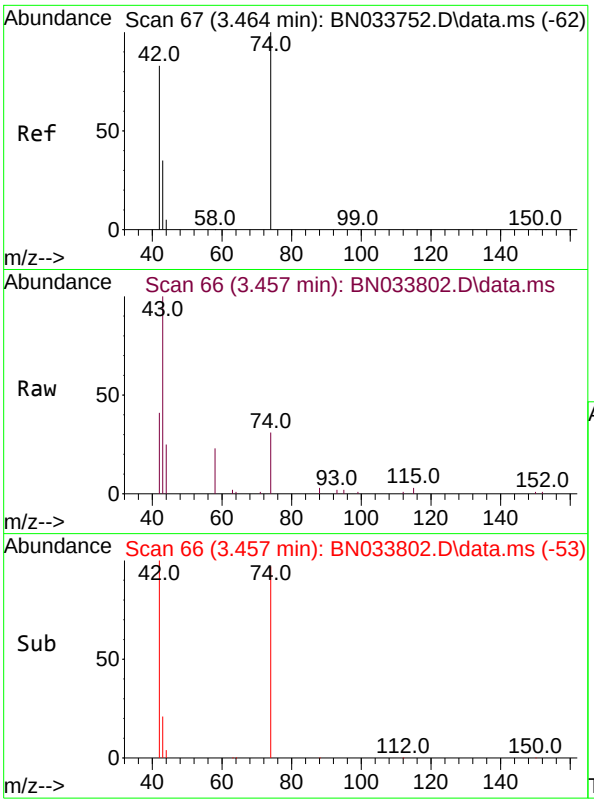


#2
1,4-Dioxane
Concen: 0.314 ng
RT: 3.168 min Scan# 26
Delta R.T. 0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion: 88 Resp: 1561

Ion	Ratio	Lower	Upper
88	100		
43	128.4	29.0	43.4#
58	93.2	64.1	96.1



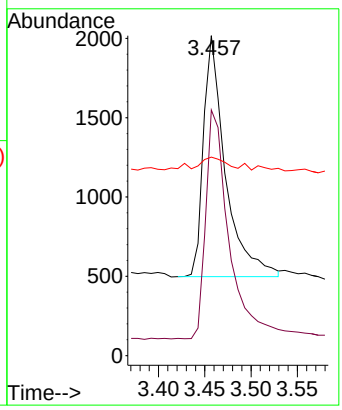


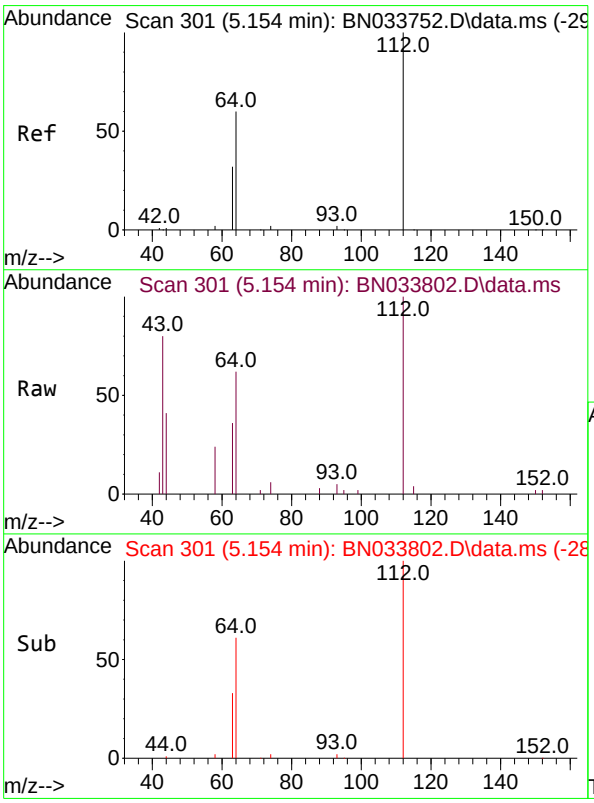
#3
n-Nitrosodimethylamine
Concen: 0.428 ng
RT: 3.457 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion: 42 Resp: 2499

Ion	Ratio	Lower	Upper
42	100		
74	100.4	93.5	140.3
44	6.5	7.4	11.0#

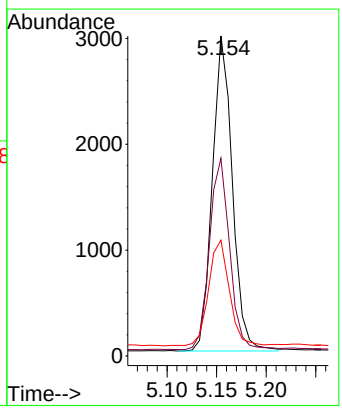


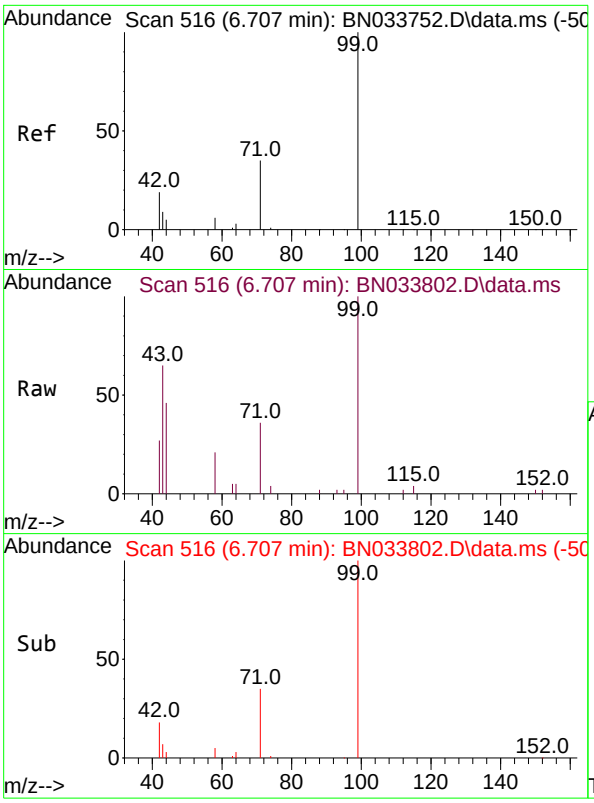


#4
2-Fluorophenol
Concen: 0.312 ng
RT: 5.154 min Scan# 301
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:112 Resp: 4178

Ion	Ratio	Lower	Upper
112	100		
64	61.0	47.6	71.4
63	35.1	25.9	38.9



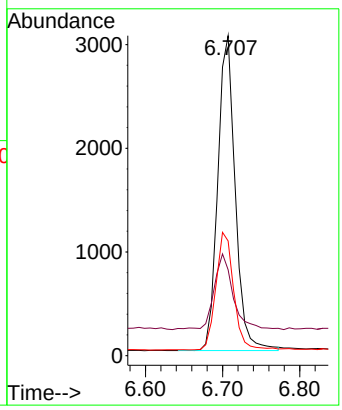


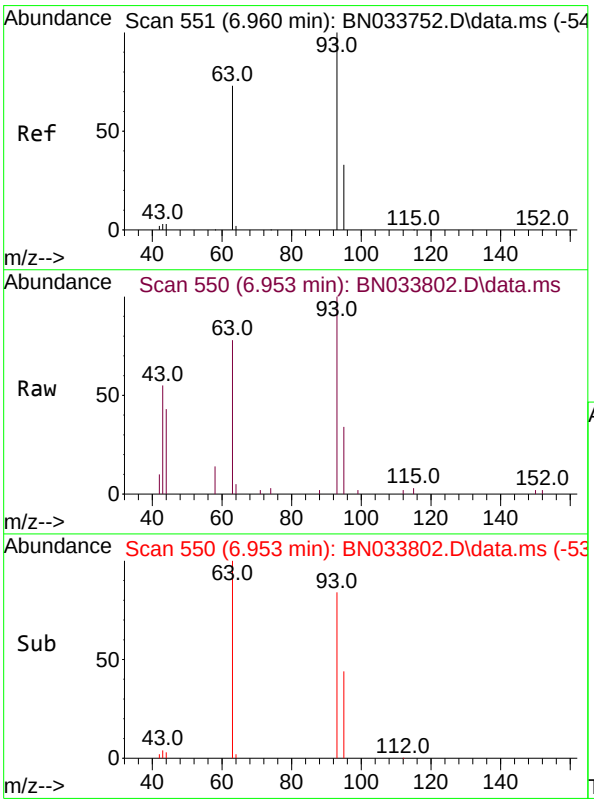
#5
Phenol-d6
Concen: 0.302 ng
RT: 6.707 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion: 99 Resp: 4783

Ion	Ratio	Lower	Upper
99	100		
42	26.1	18.0	27.0
71	38.1	28.7	43.1

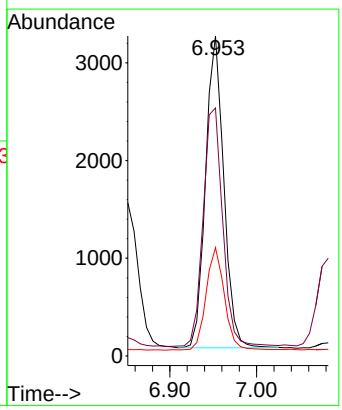


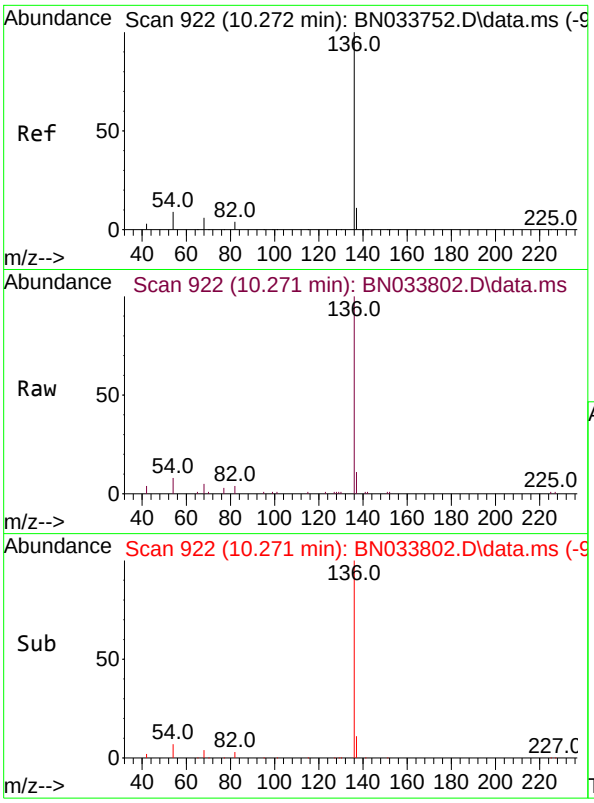


#6
bis(2-Chloroethyl)ether
Concen: 0.390 ng
RT: 6.953 min Scan# 550
Delta R.T. -0.007 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion: 93 Resp: 4664

Ion	Ratio	Lower	Upper
93	100		
63	82.0	64.4	96.6
95	33.1	26.5	39.7



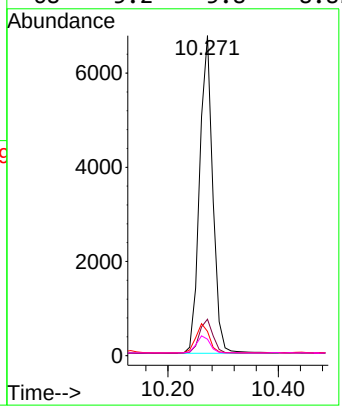


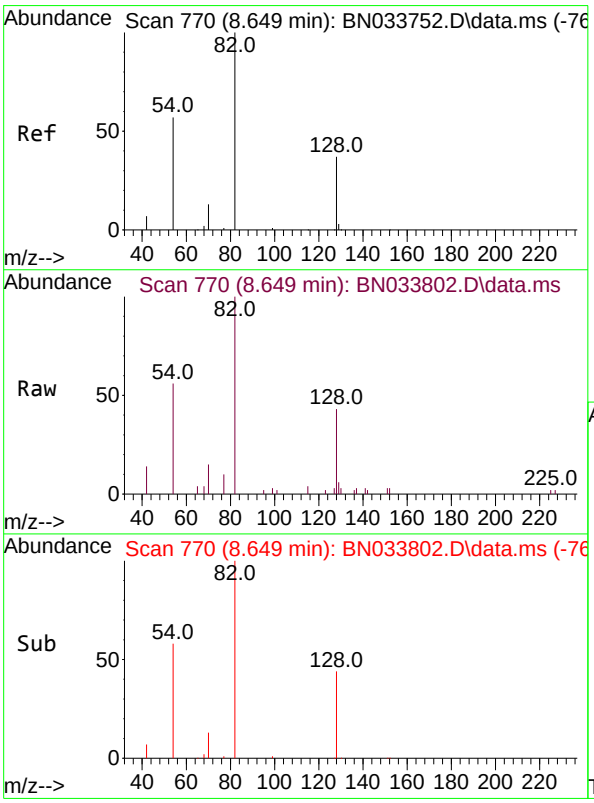
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.271 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:136 Resp: 11230

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	7.6	8.1	12.1#
68	5.2	5.8	8.8#

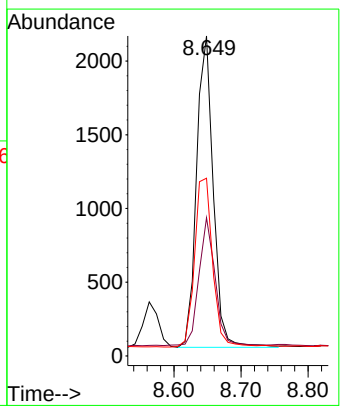


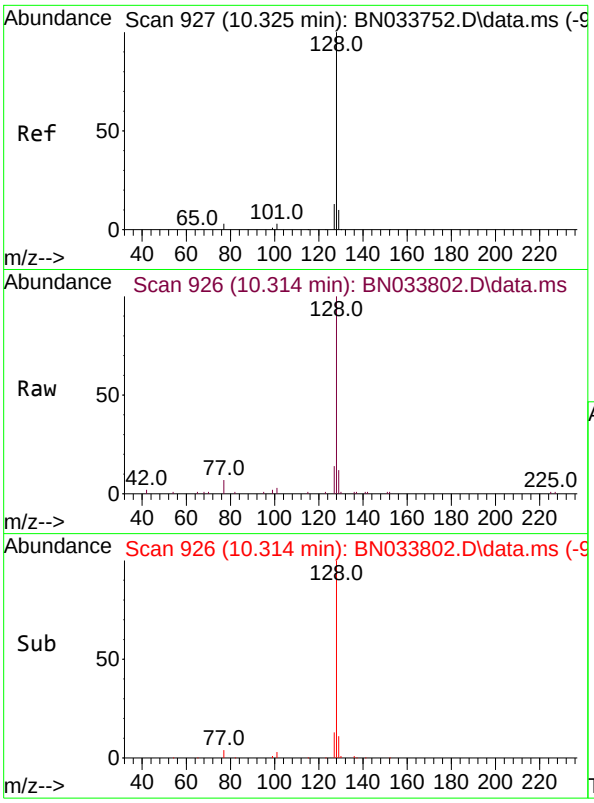


#8
Nitrobenzene-d5
Concen: 0.382 ng
RT: 8.649 min Scan# 770
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion: 82 Resp: 3654

Ion	Ratio	Lower	Upper
82	100		
128	43.2	31.3	46.9
54	55.5	46.9	70.3



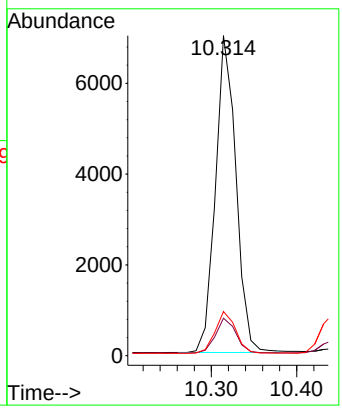


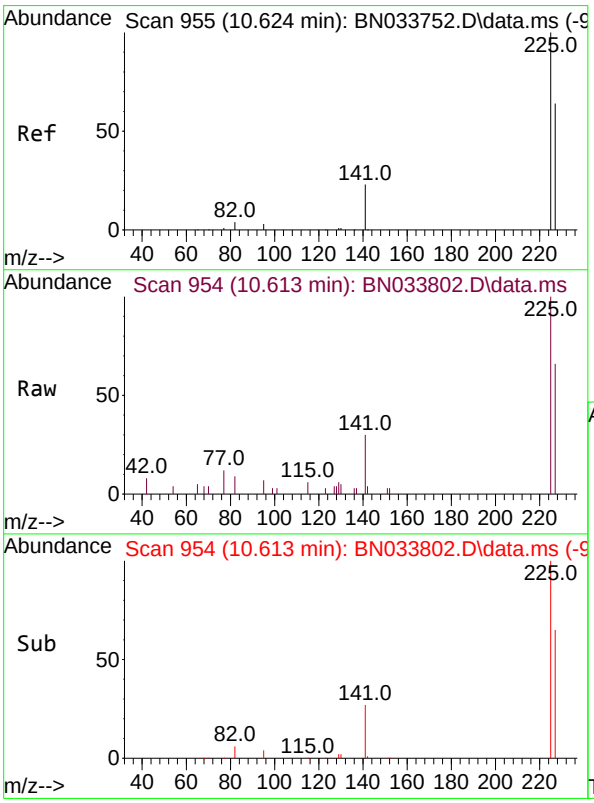
#9
Naphthalene
Concen: 0.388 ng
RT: 10.314 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:128 Resp: 11651

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.9	13.3
127	13.8	10.8	16.2

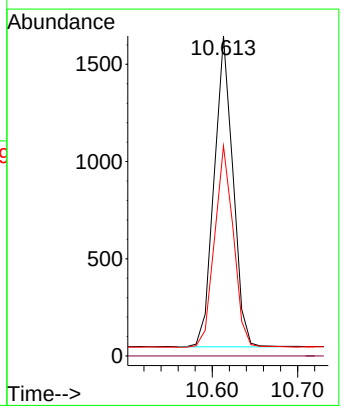


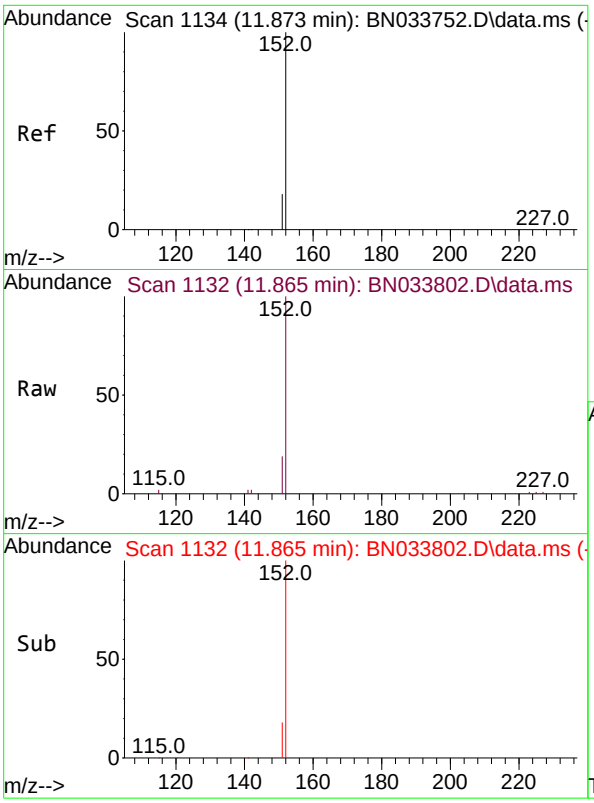


#10
Hexachlorobutadiene
Concen: 0.393 ng
RT: 10.613 min Scan# 954
Delta R.T. -0.011 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:225 Resp: 2453

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.3	51.2	76.8



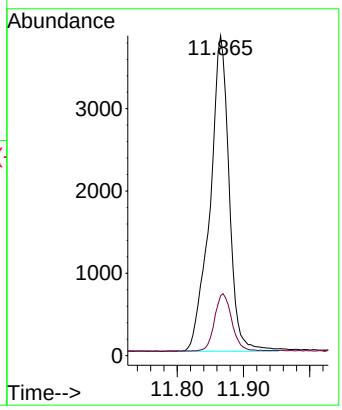


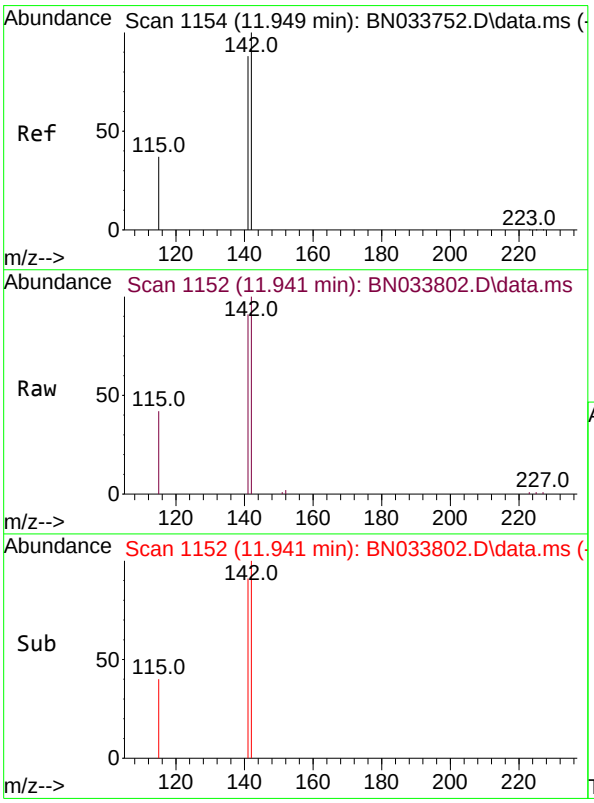
#11
2-Methylnaphthalene-d10
Concen: 0.485 ng
RT: 11.865 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:152 Resp: 7705

Ion	Ratio	Lower	Upper
152	100		
151	16.6	16.7	25.1#

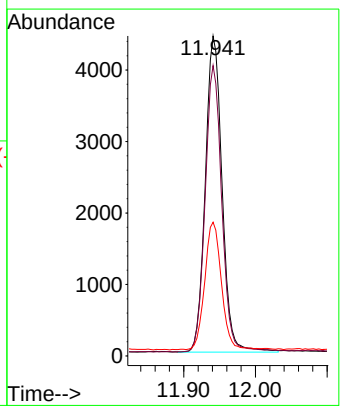


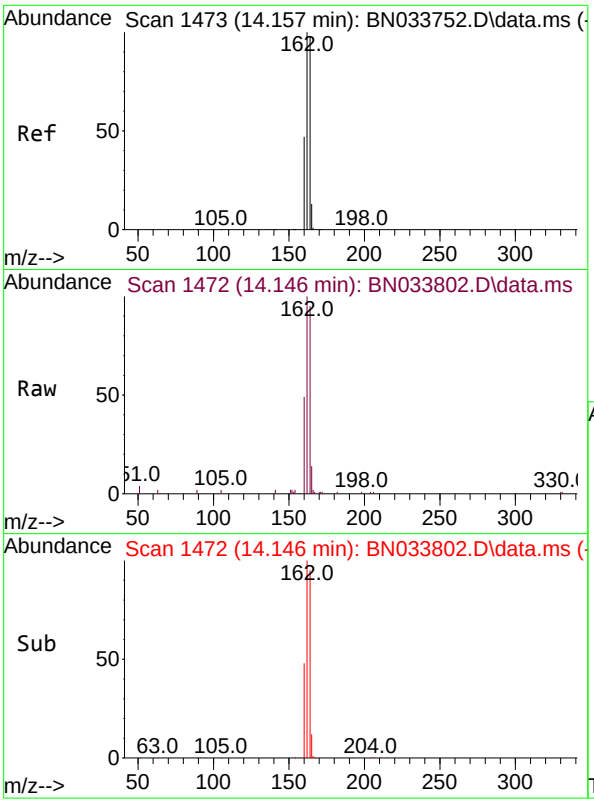


#12
2-Methylnaphthalene
Concen: 0.394 ng
RT: 11.941 min Scan# 1152
Delta R.T. -0.008 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:142 Resp: 7240

Ion	Ratio	Lower	Upper
142	100		
141	90.7	70.9	106.3
115	41.8	31.0	46.4



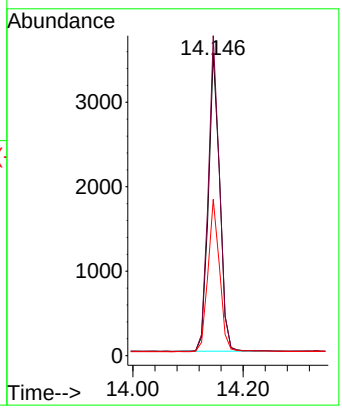


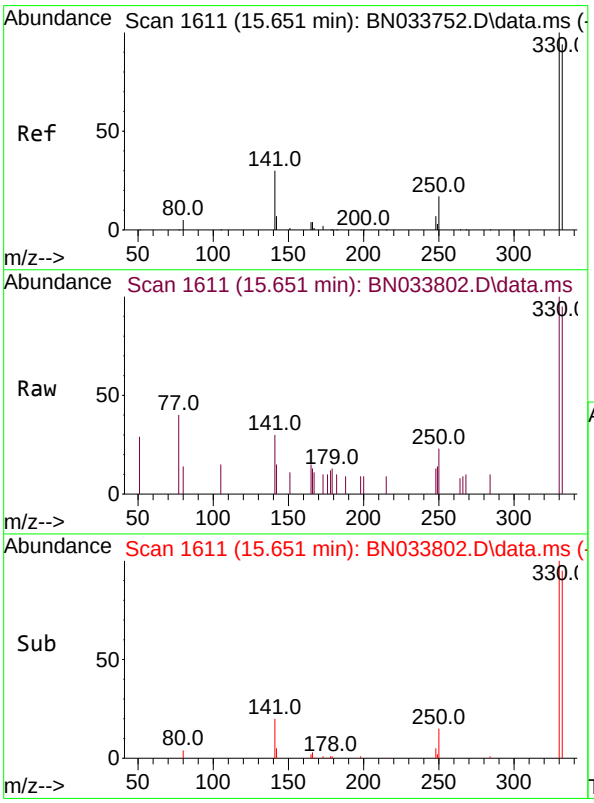
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.146 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:164 Resp: 5068

Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.0	123.0
160	51.6	39.1	58.7

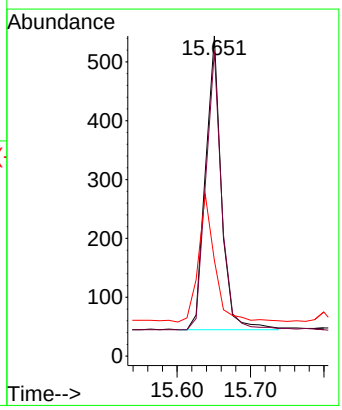


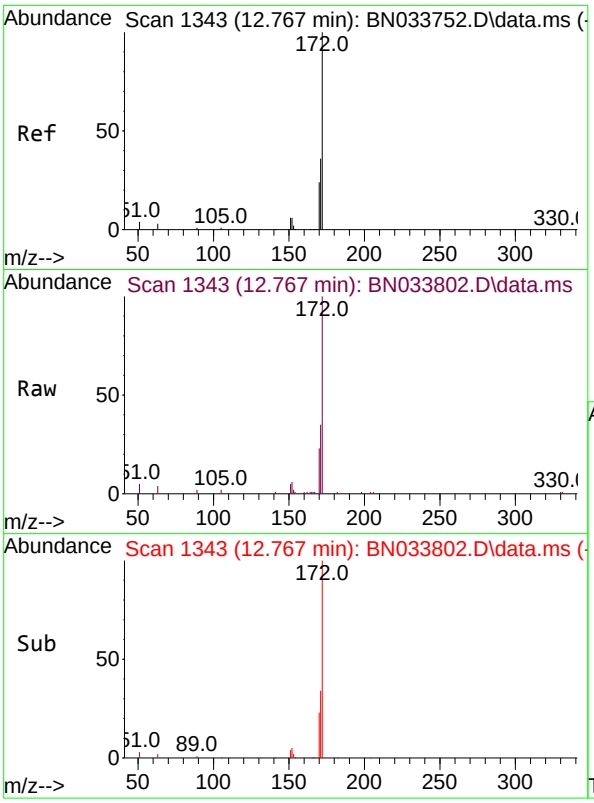


#14
2,4,6-Tribromophenol
Concen: 0.293 ng
RT: 15.651 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:330 Resp: 750

Ion	Ratio	Lower	Upper
330	100		
332	94.5	74.2	111.4
141	44.9	33.9	50.9



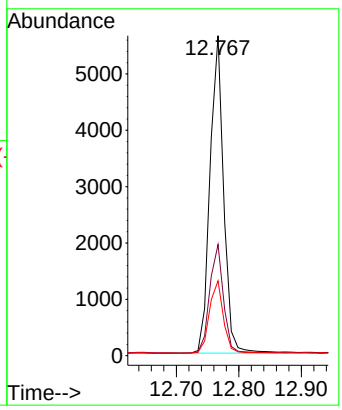


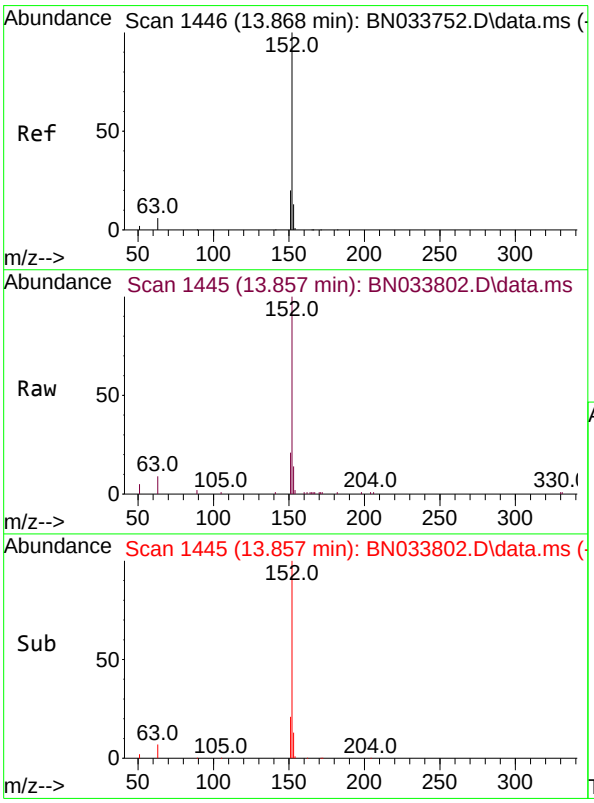
#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 12.767 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:172 Resp: 8528

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.8	43.2
170	23.4	19.7	29.5

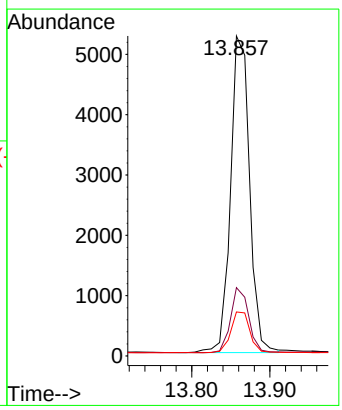


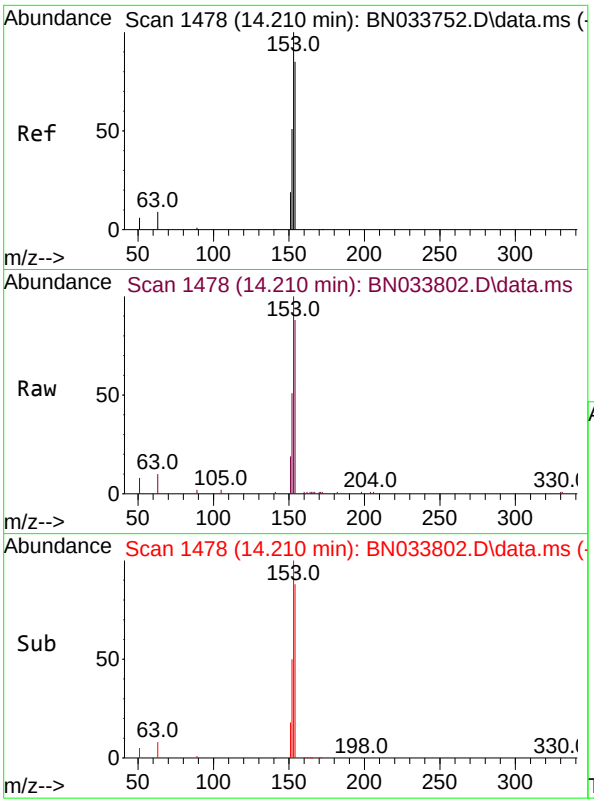


#16
Acenaphthylene
Concen: 0.406 ng
RT: 13.857 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:152 Resp: 8885

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.6	23.4
153	13.0	10.3	15.5



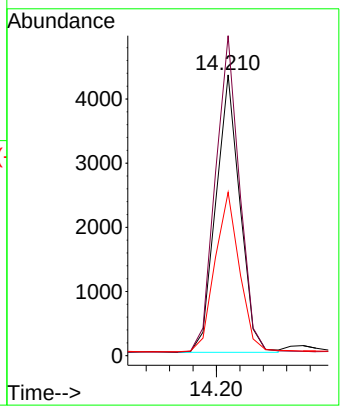


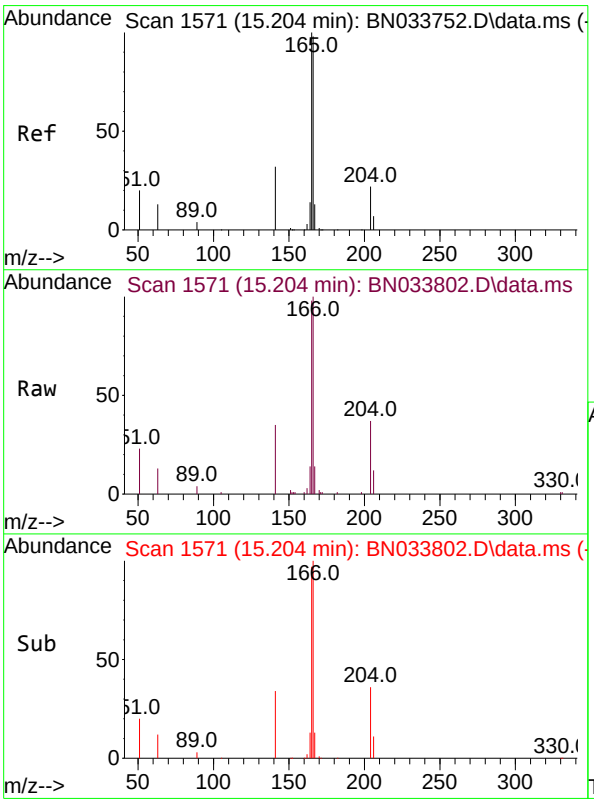
#17
Acenaphthene
Concen: 0.410 ng
RT: 14.210 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:154 Resp: 6165

Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.4	137.2
152	58.4	45.8	68.6

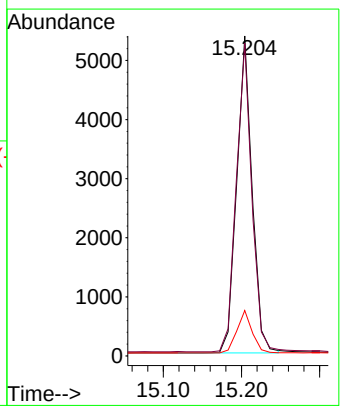


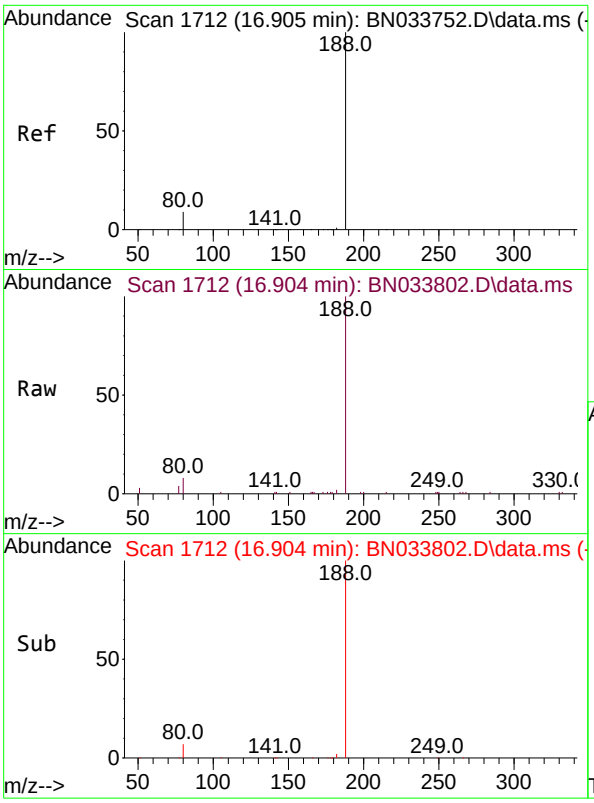


#18
Fluorene
Concen: 0.397 ng
RT: 15.204 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:166 Resp: 7355

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.8	118.2
167	13.3	10.6	16.0



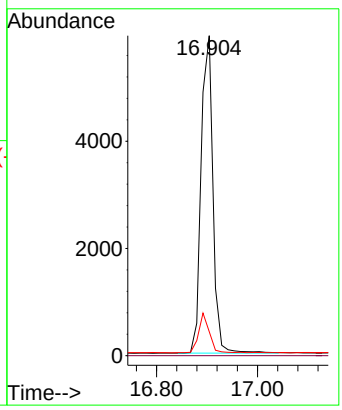


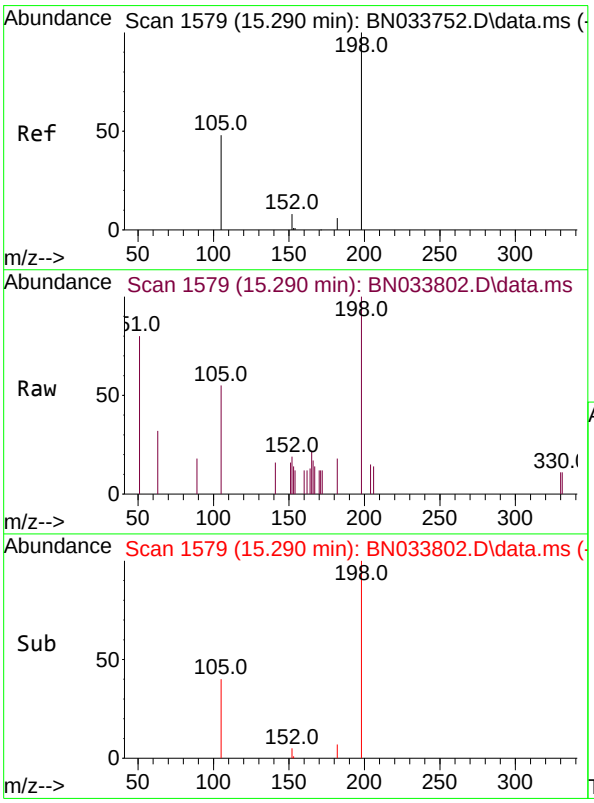
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:188 Resp: 9664

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	7.9	11.9#

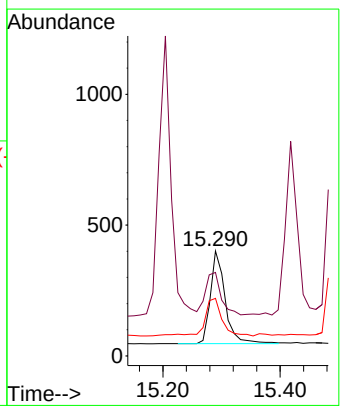


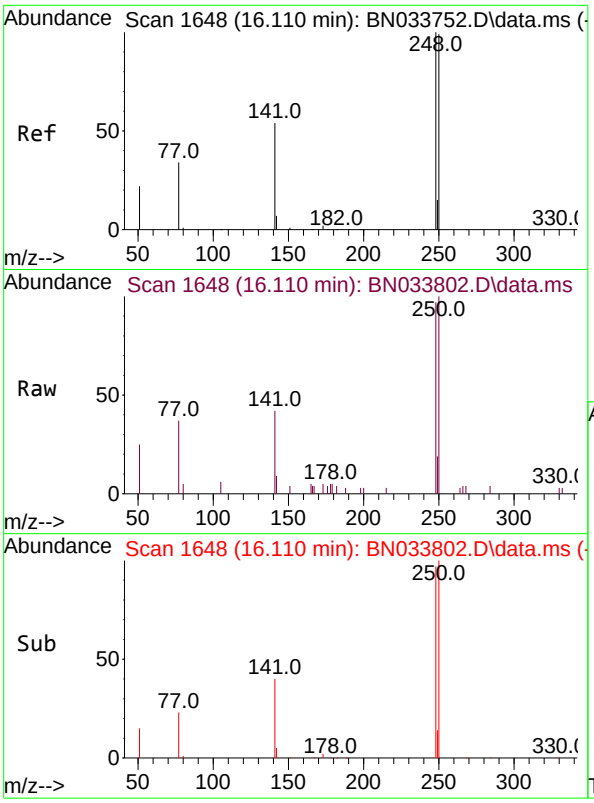


#20
4,6-Dinitro-2-methylphenol
Concen: 0.404 ng
RT: 15.290 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:198 Resp: 616

Ion	Ratio	Lower	Upper
198	100		
51	79.6	92.8	139.2#
105	54.9	59.4	89.0#



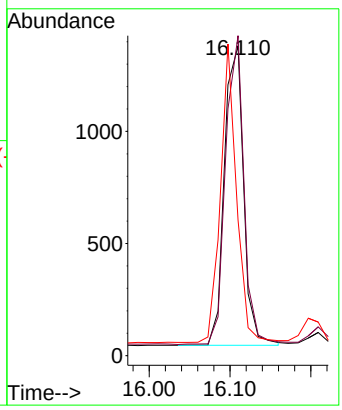


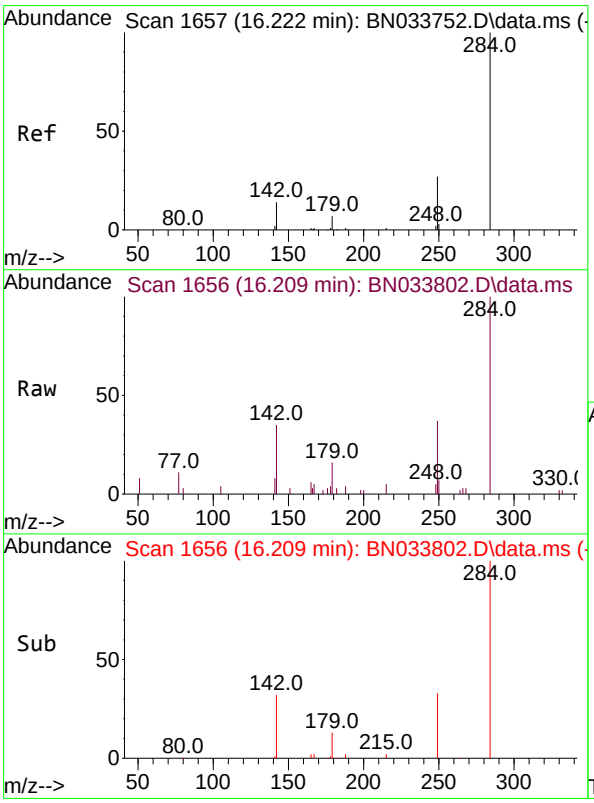
#21
4-Bromophenyl-phenylether
Concen: 0.393 ng
RT: 16.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:248 Resp: 2201

Ion	Ratio	Lower	Upper
248	100		
250	103.3	79.5	119.3
141	43.8	44.9	67.3#

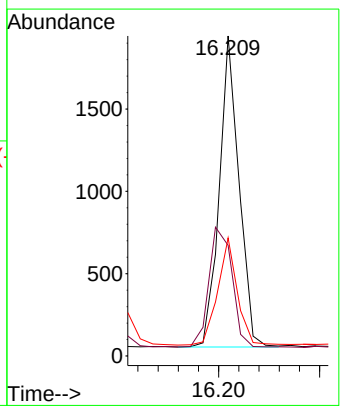


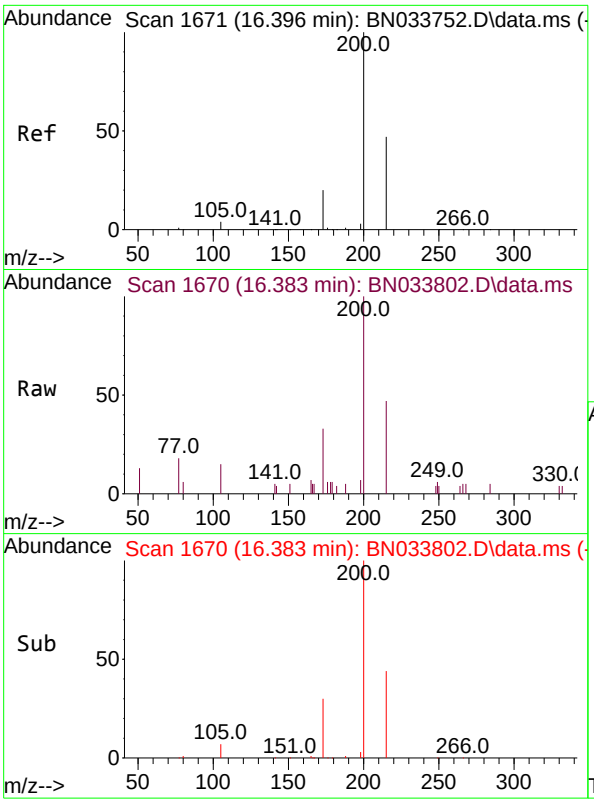


#22
Hexachlorobenzene
Concen: 0.399 ng
RT: 16.209 min Scan# 1656
Delta R.T. -0.013 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:284 Resp: 2563

Ion	Ratio	Lower	Upper
284	100		
142	45.0	32.8	49.2
249	34.2	26.2	39.2



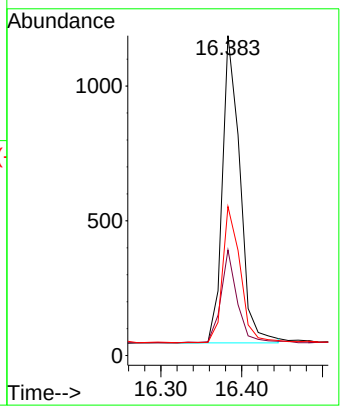


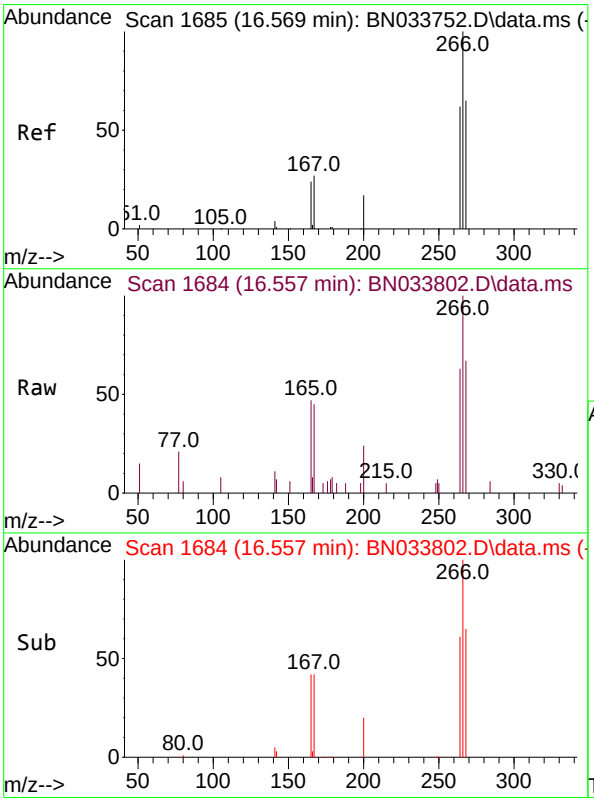
#23
Atrazine
Concen: 0.386 ng
RT: 16.383 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:200 Resp: 1726

Ion	Ratio	Lower	Upper
200	100		
173	33.0	18.2	27.4#
215	46.6	39.0	58.4

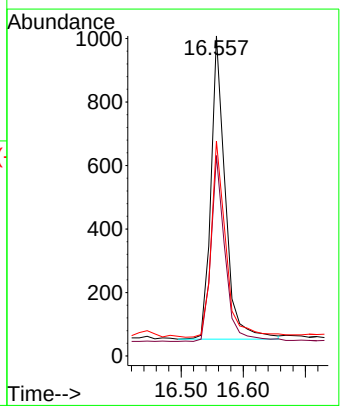


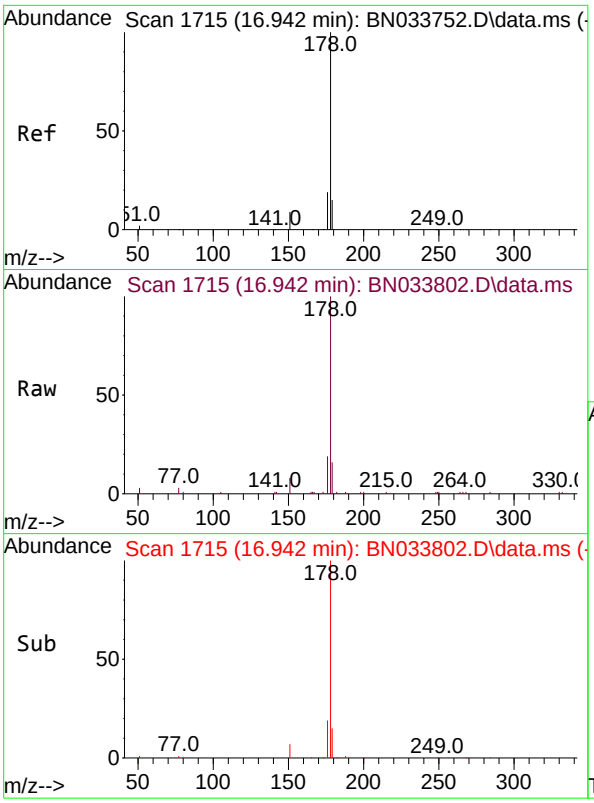


#24
Pentachlorophenol
Concen: 0.585 ng
RT: 16.557 min Scan# 1684
Delta R.T. -0.013 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:266 Resp: 1535

Ion	Ratio	Lower	Upper
266	100		
264	60.4	49.6	74.4
268	66.1	52.2	78.4



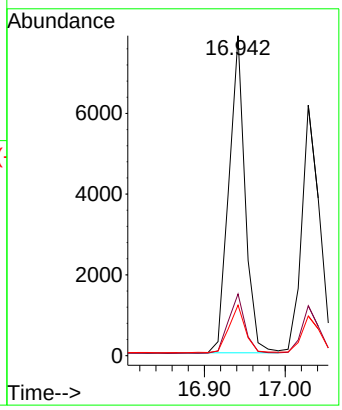


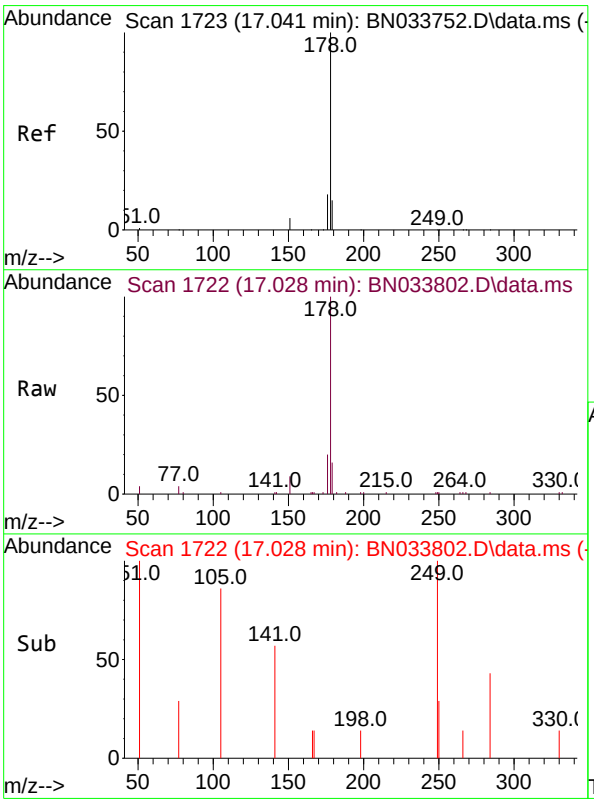
#25
Phenanthrene
Concen: 0.412 ng
RT: 16.942 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:178 Resp: 10980

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.1	12.2	18.4

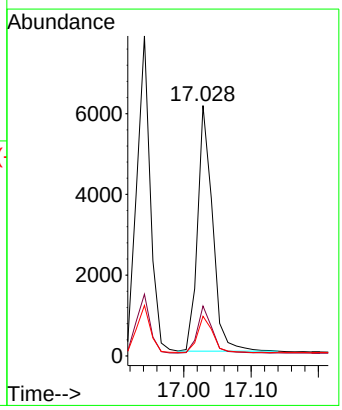


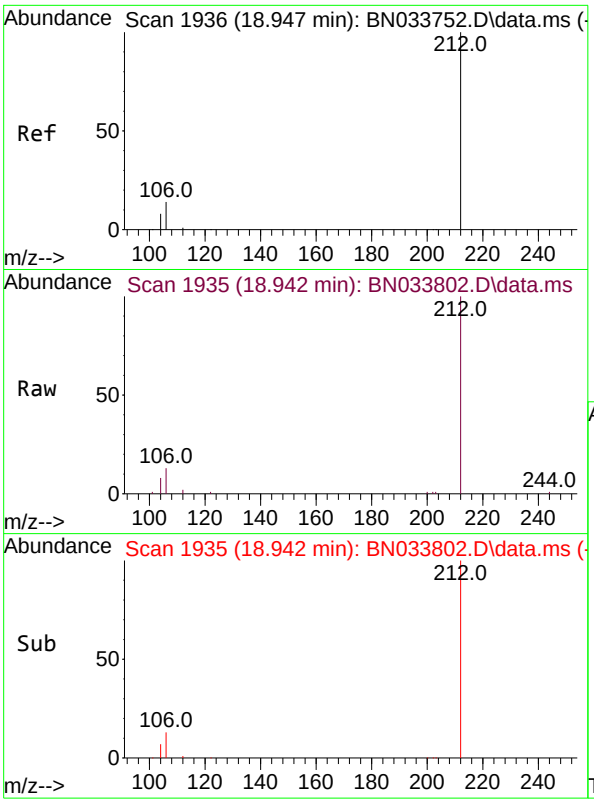


#26
Anthracene
Concen: 0.407 ng
RT: 17.028 min Scan# 1722
Delta R.T. -0.013 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:178 Resp: 9414

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.1	12.4	18.6



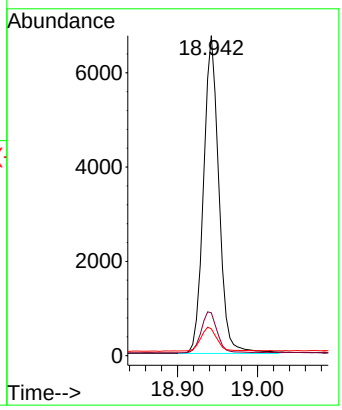


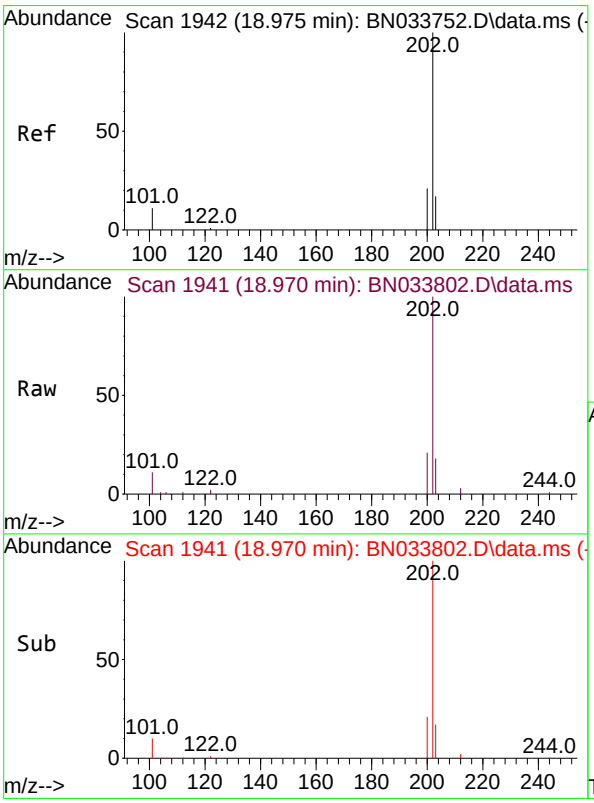
#27
Fluoranthene-d10
Concen: 0.377 ng
RT: 18.942 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:212 Resp: 8989

Ion	Ratio	Lower	Upper
212	100		
106	13.5	11.5	17.3
104	7.8	6.6	9.8

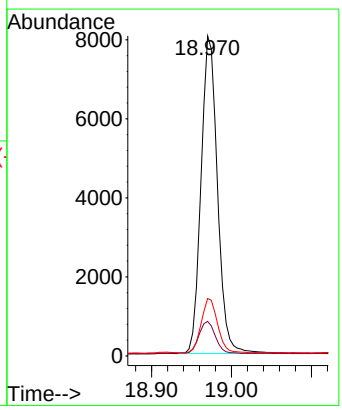


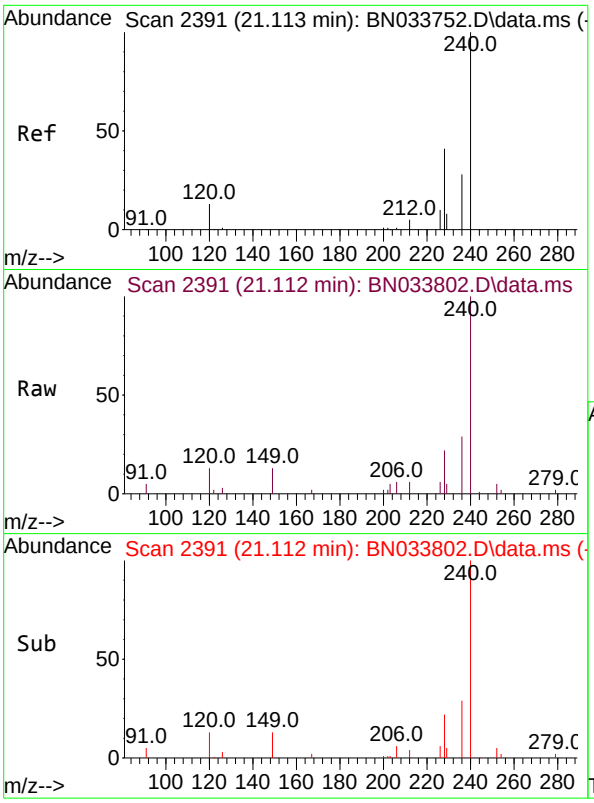


#28
Fluoranthene
Concen: 0.385 ng
RT: 18.970 min Scan# 1941
Delta R.T. -0.005 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:202 Resp: 11479

Ion	Ratio	Lower	Upper
202	100		
101	10.6	9.2	13.8
203	17.0	13.8	20.6



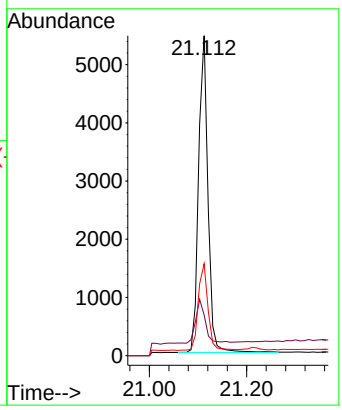


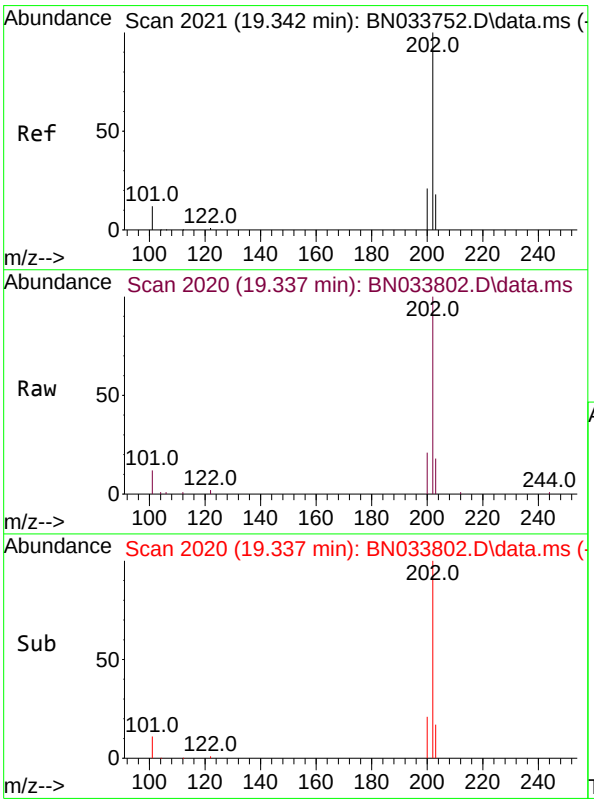
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.112 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:240 Resp: 7246

Ion	Ratio	Lower	Upper
240	100		
120	12.8	13.7	20.5#
236	28.8	23.4	35.2

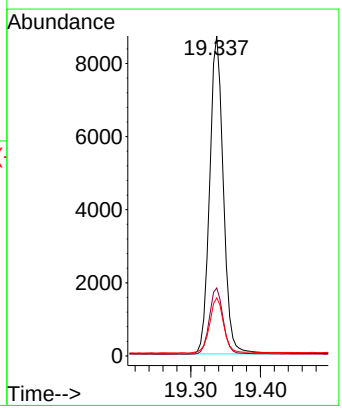


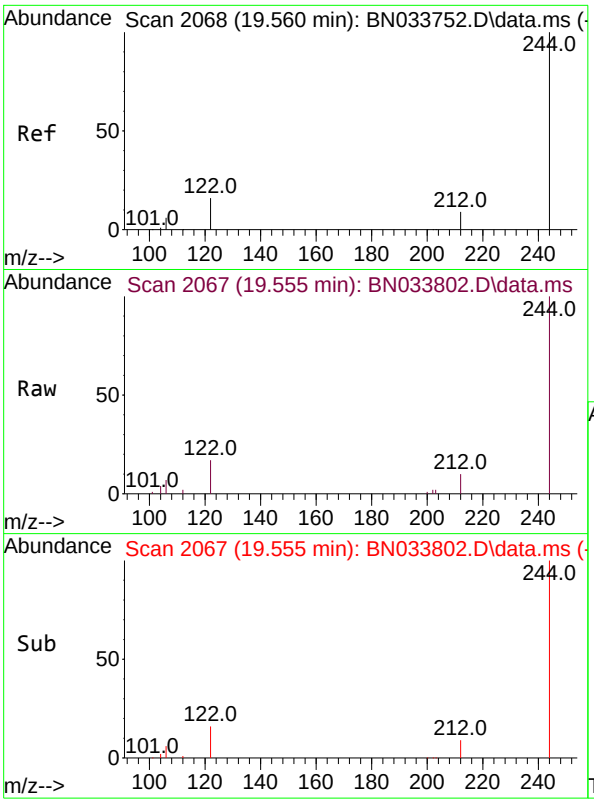


#30
Pyrene
Concen: 0.407 ng
RT: 19.337 min Scan# 2020
Delta R.T. -0.005 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:202 Resp: 11880

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.7	14.4	21.6



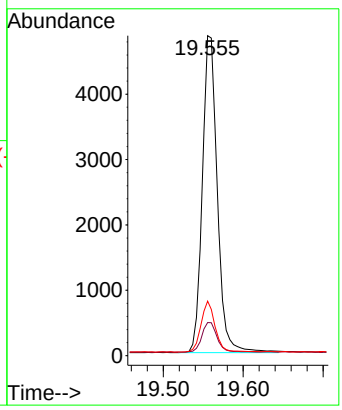


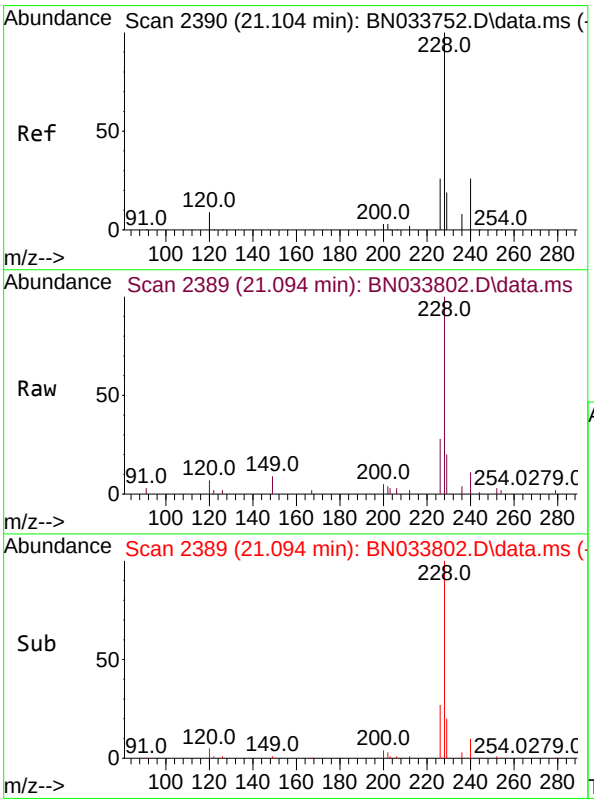
#31
Terphenyl-d14
Concen: 0.408 ng
RT: 19.555 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:244 Resp: 6299

Ion	Ratio	Lower	Upper
244	100		
212	10.4	7.9	11.9
122	17.1	13.2	19.8

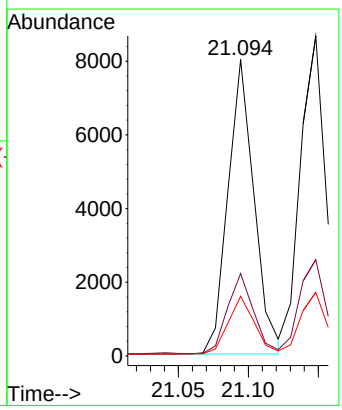


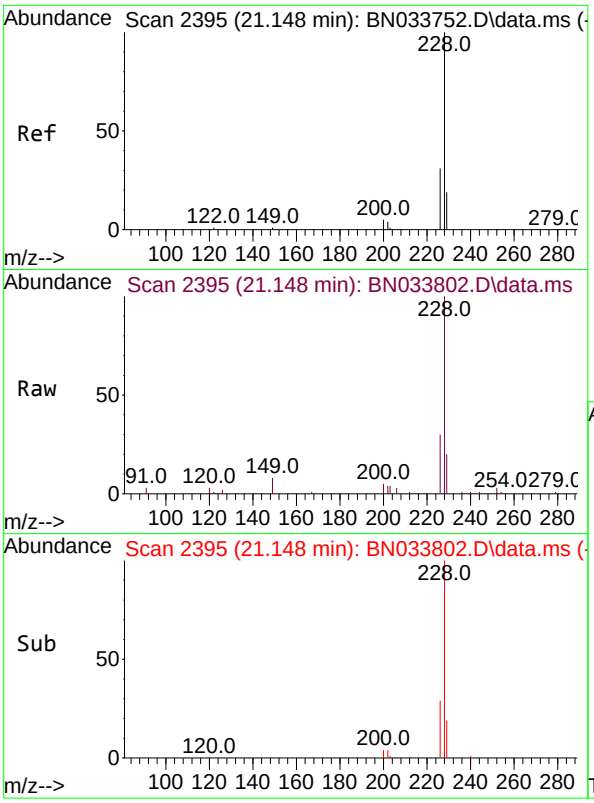


#32
Benzo(a)anthracene
Concen: 0.402 ng
RT: 21.094 min Scan# 2389
Delta R.T. -0.009 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:228 Resp: 10396

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.2	31.8
229	20.1	15.9	23.9



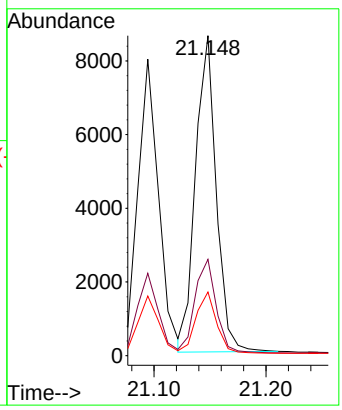


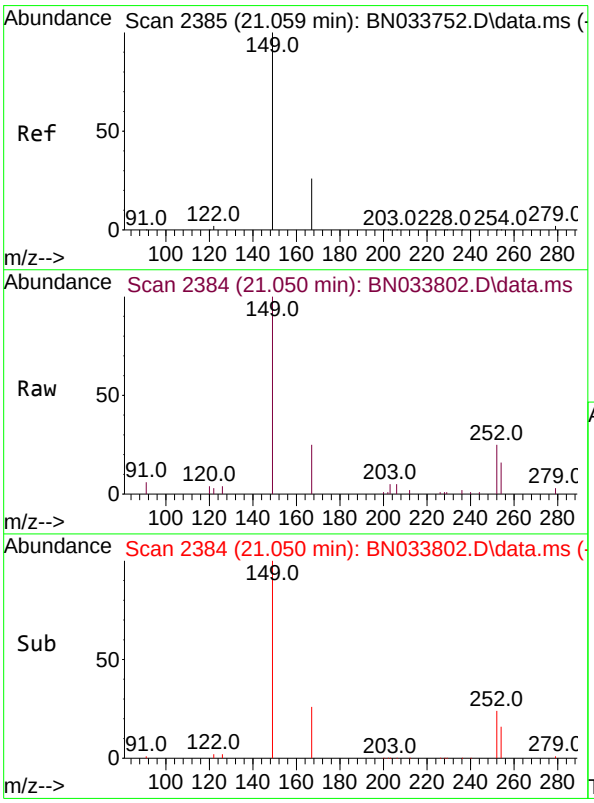
#33
Chrysene
Concen: 0.431 ng
RT: 21.148 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:228 Resp: 11039

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	19.9	15.6	23.4

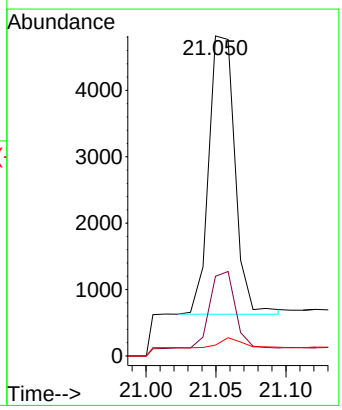


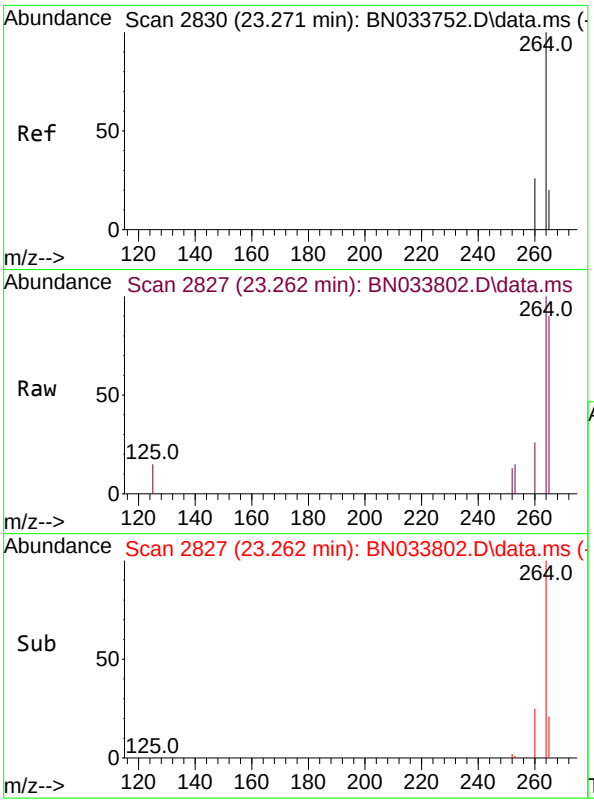


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.385 ng
RT: 21.050 min Scan# 2384
Delta R.T. -0.009 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:149 Resp: 5430

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.0	31.4
279	3.2	2.4	3.6



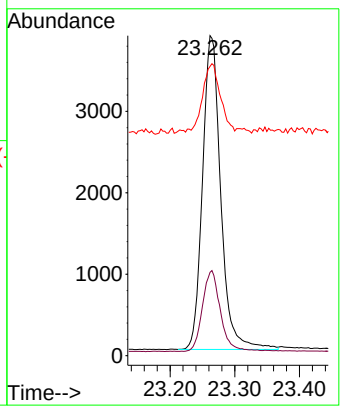


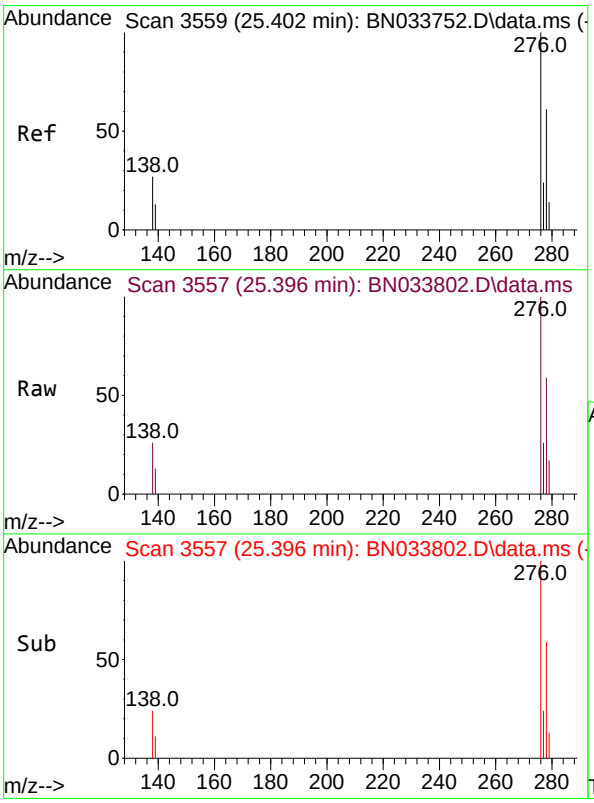
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.262 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:264 Resp: 7548

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.1	31.7
265	90.4	72.0	108.0

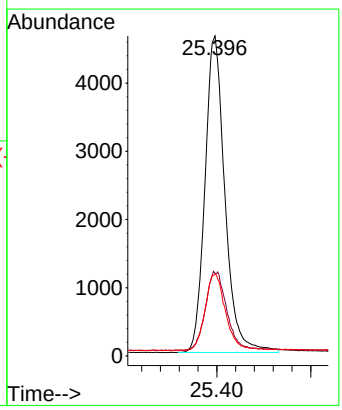


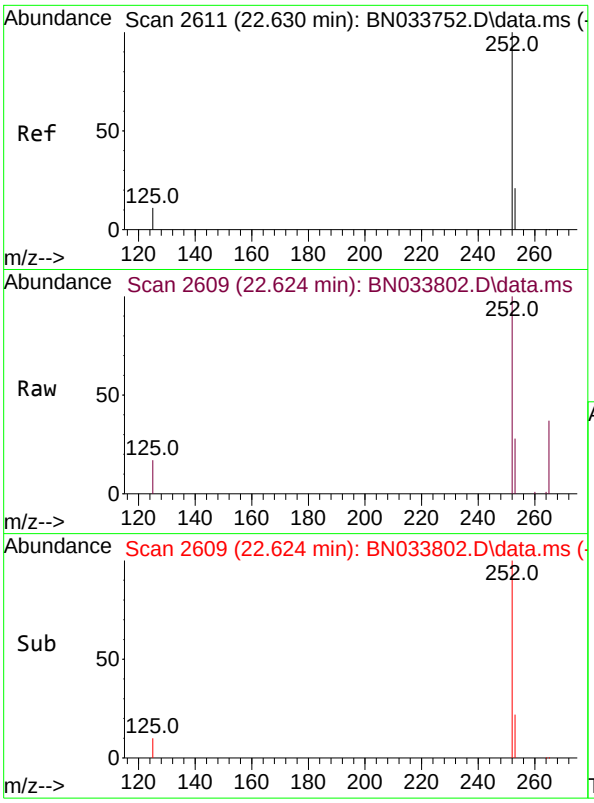


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.439 ng
RT: 25.396 min Scan# 3557
Delta R.T. -0.006 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:276 Resp: 13703

Ion	Ratio	Lower	Upper
276	100		
138	26.4	23.0	34.6
277	24.3	20.2	30.4



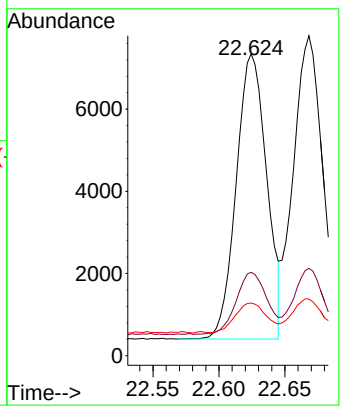


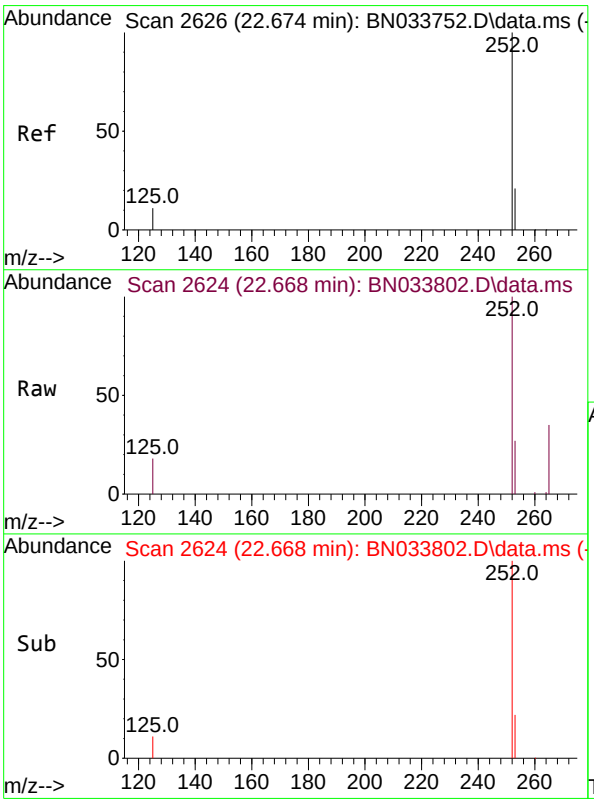
#37
Benzo(b)fluoranthene
Concen: 0.401 ng
RT: 22.624 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:252 Resp: 11128

Ion	Ratio	Lower	Upper
252	100		
253	27.6	21.8	32.6
125	17.4	15.4	23.0

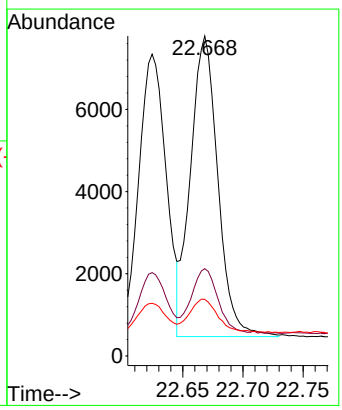


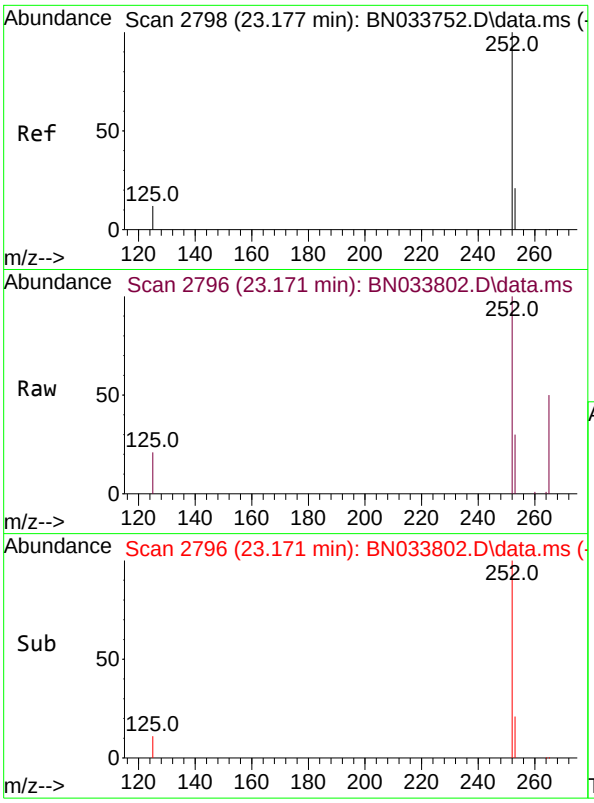


#38
Benzo(k)fluoranthene
Concen: 0.430 ng m
RT: 22.668 min Scan# 2624
Delta R.T. -0.006 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:252 Resp: 11623

Ion	Ratio	Lower	Upper
252	100		
253	27.3	21.8	32.8
125	17.7	15.4	23.2



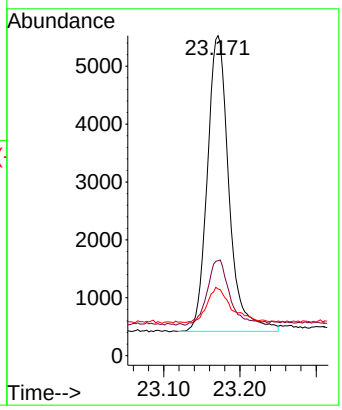


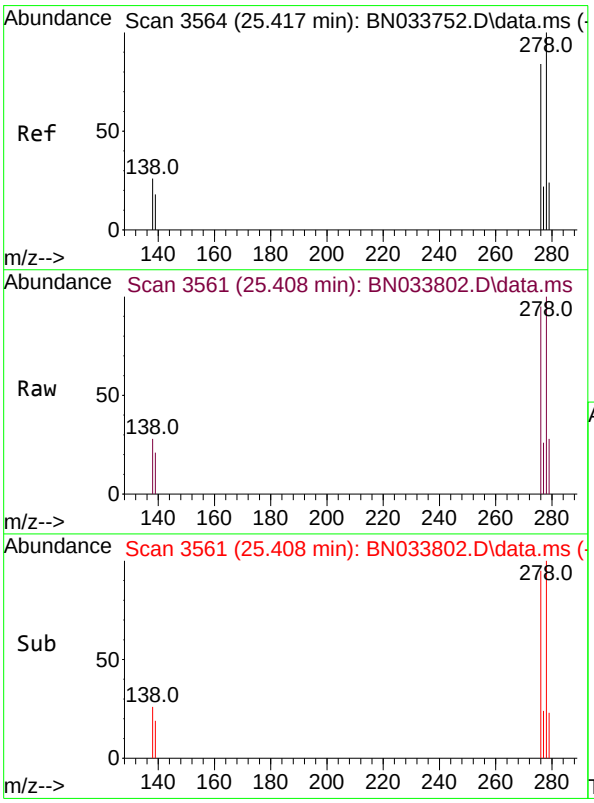
#39
Benzo(a)pyrene
Concen: 0.433 ng
RT: 23.171 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:252 Resp: 10046

Ion	Ratio	Lower	Upper
252	100		
253	29.7	24.0	36.0
125	20.8	19.1	28.7

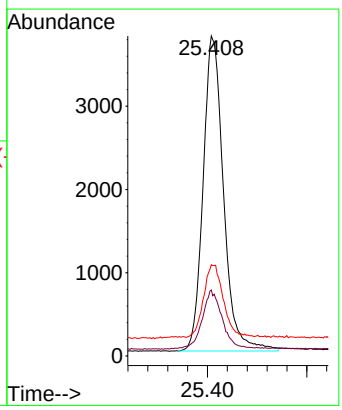


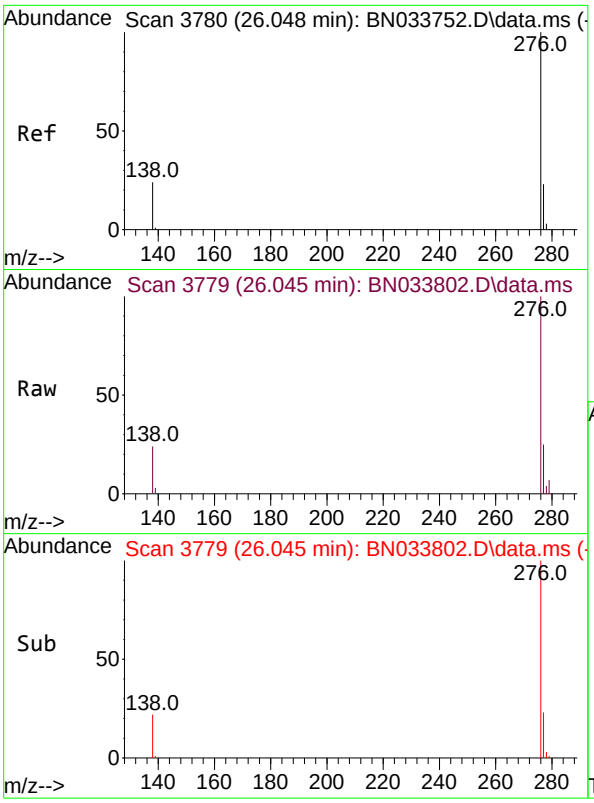


#40
Dibenzo(a,h)anthracene
Concen: 0.432 ng
RT: 25.408 min Scan# 3561
Delta R.T. -0.009 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Tgt Ion:278 Resp: 10791

Ion	Ratio	Lower	Upper
278	100		
139	20.6	16.7	25.1
279	28.5	23.4	35.0





#41
Benzo(g,h,i)perylene
Concen: 0.399 ng
RT: 26.045 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN033802.D
Acq: 07 Sep 2024 03:42

Instrument :
BNA_N
ClientSampleId :
PB163149BSD

Tgt Ion:276 Resp: 10828

Ion	Ratio	Lower	Upper
276	100		
277	25.2	20.3	30.5
138	24.0	20.9	31.3