Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090624\
Data File : BN033801.D
Acq On : 07 Sep 2024 03:06
Operator : MA/JU
Sample : PB163149BS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Quant Time: Sep 07 04:42:23 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

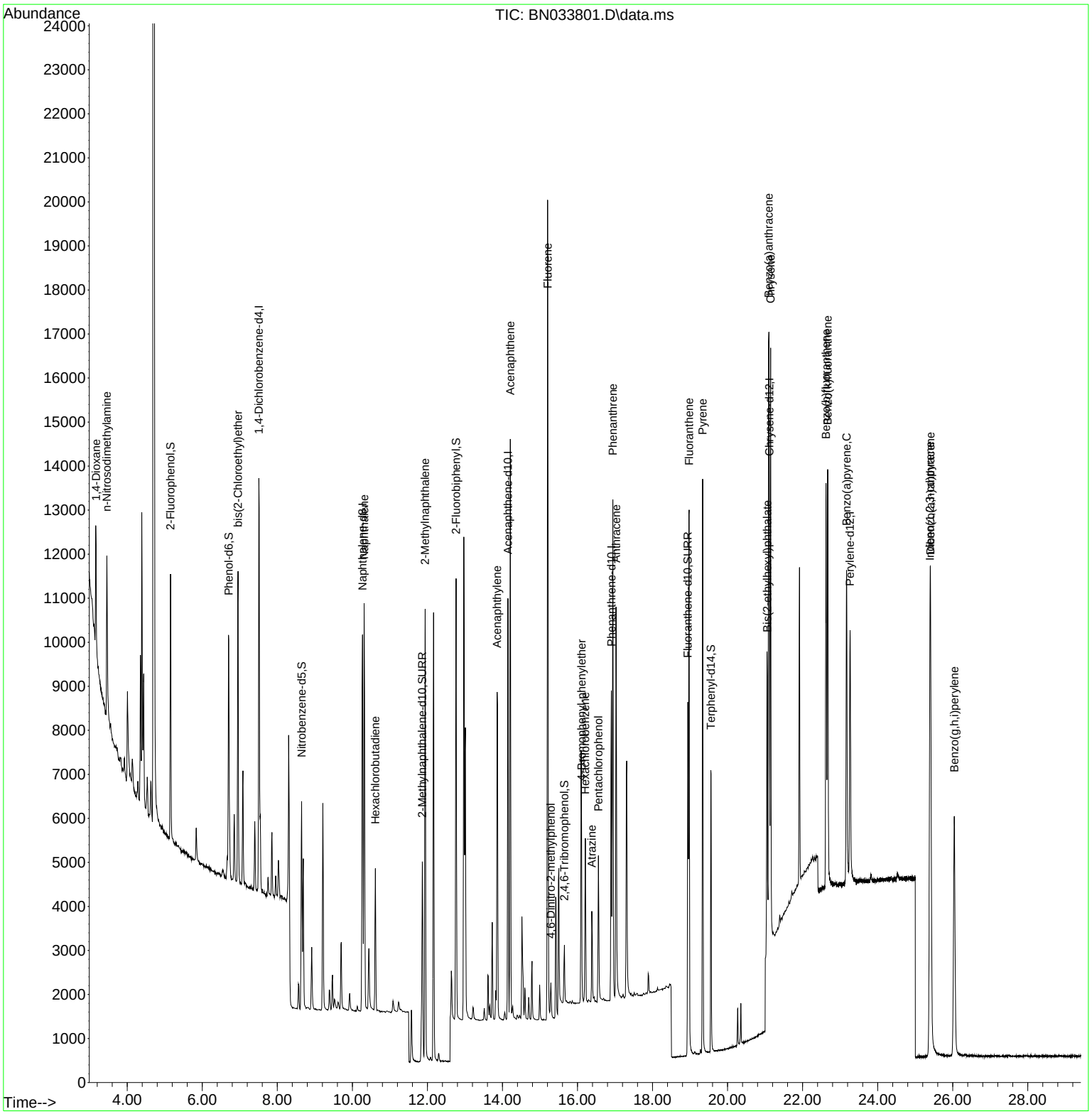
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.509	152	4431	0.400	ng	0.00
7) Naphthalene-d8	10.272	136	11347	0.400	ng	# 0.00
13) Acenaphthene-d10	14.146	164	5133	0.400	ng	-0.01
19) Phenanthrene-d10	16.904	188	9897	0.400	ng	# 0.00
29) Chrysene-d12	21.112	240	7332	0.400	ng	# 0.00
35) Perylene-d12	23.265	264	7520	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.154	112	4248	0.313	ng	0.00
5) Phenol-d6	6.707	99	4830	0.301	ng	0.00
8) Nitrobenzene-d5	8.649	82	3594	0.372	ng	0.00
11) 2-Methylnaphthalene-d10	11.865	152	7855	0.490	ng	0.00
14) 2,4,6-Tribromophenol	15.651	330	751	0.290	ng	0.00
15) 2-Fluorobiphenyl	12.767	172	8631	0.403	ng	0.00
27) Fluoranthene-d10	18.942	212	9091	0.372	ng	0.00
31) Terphenyl-d14	19.560	244	6336	0.405	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.168	88	1565	0.310	ng	# 51
3) n-Nitrosodimethylamine	3.457	42	2495	0.422	ng	87
6) bis(2-Chloroethyl)ether	6.953	93	4705	0.388	ng	99
9) Naphthalene	10.314	128	11724	0.387	ng	99
10) Hexachlorobutadiene	10.613	225	2442	0.387	ng	# 100
12) 2-Methylnaphthalene	11.941	142	7307	0.393	ng	99
16) Acenaphthylene	13.857	152	8880	0.400	ng	100
17) Acenaphthene	14.210	154	6188	0.407	ng	99
18) Fluorene	15.204	166	7422	0.396	ng	99
20) 4,6-Dinitro-2-methylph...	15.290	198	647	0.414	ng	# 67
21) 4-Bromophenyl-phenylether	16.110	248	2209	0.385	ng	# 90
22) Hexachlorobenzene	16.209	284	2559	0.389	ng	95
23) Atrazine	16.383	200	1723	0.376	ng	# 89
24) Pentachlorophenol	16.557	266	1581	0.588	ng	97
25) Phenanthrene	16.942	178	11011	0.404	ng	100
26) Anthracene	17.029	178	9577	0.404	ng	99
28) Fluoranthene	18.975	202	11470	0.375	ng	99
30) Pyrene	19.337	202	11926	0.404	ng	100
32) Benzo(a)anthracene	21.095	228	10442	0.399	ng	99
33) Chrysene	21.148	228	10952	0.423	ng	99
34) Bis(2-ethylhexyl)phtha...	21.059	149	5516	0.386	ng	100
36) Indeno(1,2,3-cd)pyrene	25.396	276	13607	0.438	ng	98
37) Benzo(b)fluoranthene	22.625	252	11287	0.408	ng	98
38) Benzo(k)fluoranthene	22.668	252	11529	0.428	ng	98
39) Benzo(a)pyrene	23.171	252	9997	0.433	ng	97
40) Dibenzo(a,h)anthracene	25.411	278	10706	0.430	ng	98
41) Benzo(g,h,i)perylene	26.045	276	10721	0.397	ng	99

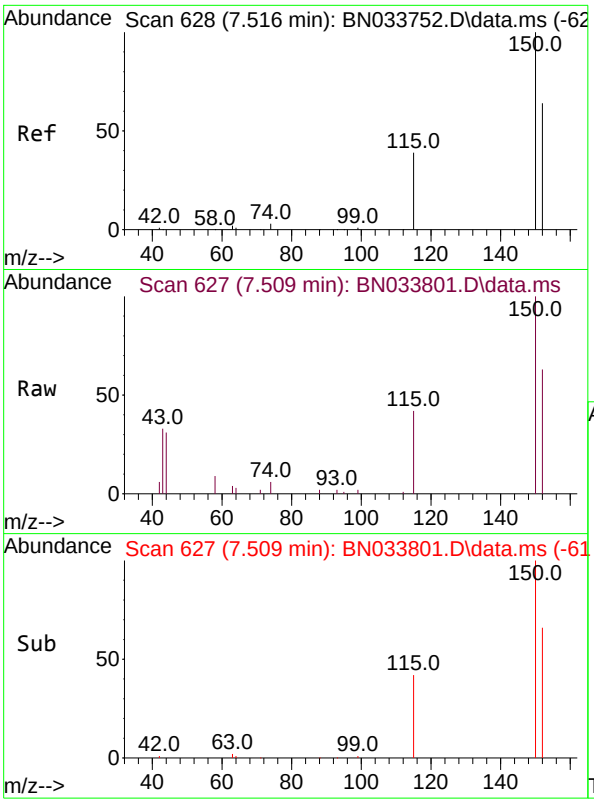
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN090624\
Data File : BN033801.D
Acq On : 07 Sep 2024 03:06
Operator : MA/JU
Sample : PB163149BS
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Quant Time: Sep 07 04:42:23 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



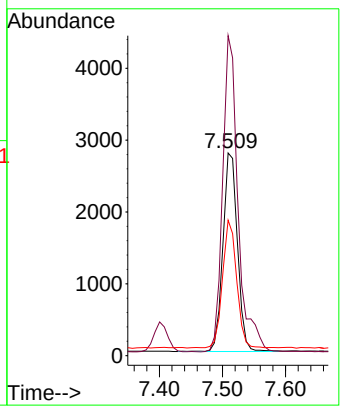


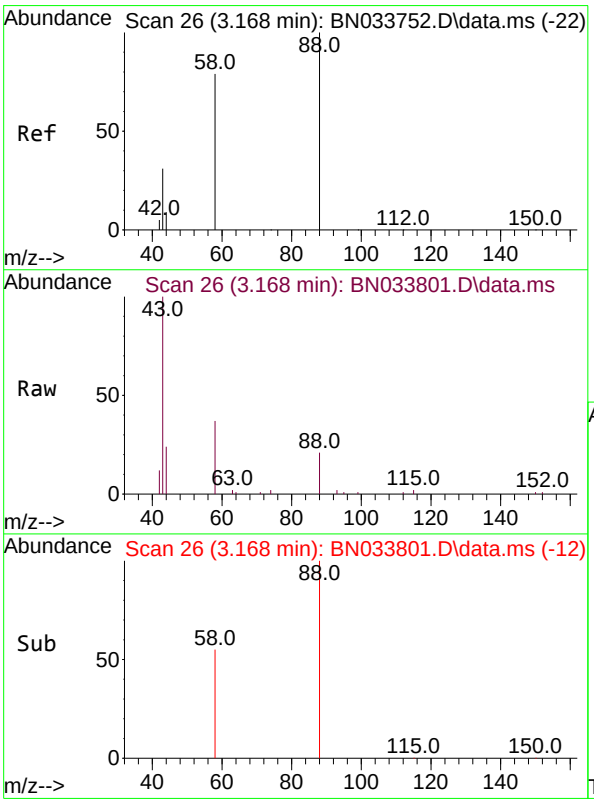
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.509 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:152 Resp: 4431

Ion	Ratio	Lower	Upper
152	100		
150	157.8	123.3	184.9
115	66.8	51.0	76.4

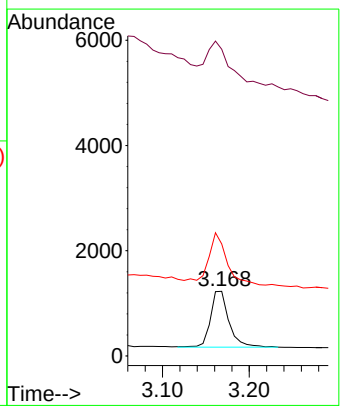


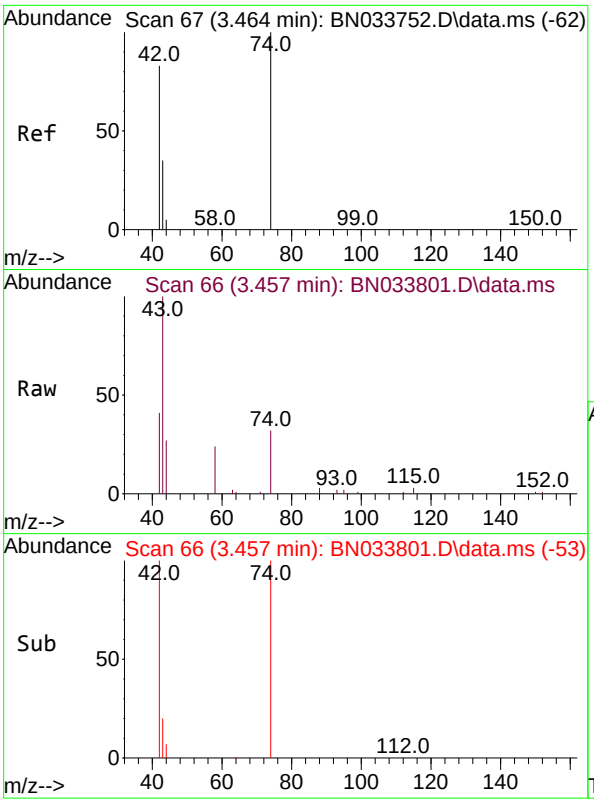


#2
1,4-Dioxane
Concen: 0.310 ng
RT: 3.168 min Scan# 26
Delta R.T. 0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion: 88 Resp: 1565

Ion	Ratio	Lower	Upper
88	100		
43	110.7	29.0	43.4#
58	92.4	64.1	96.1



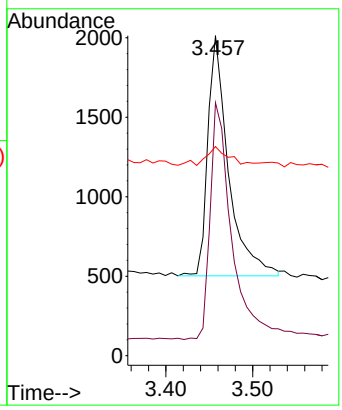


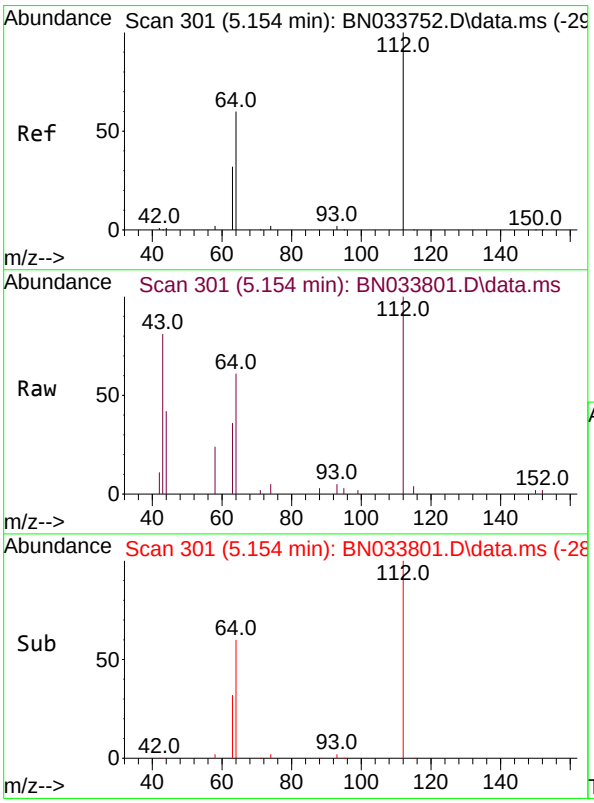
#3
n-Nitrosodimethylamine
Concen: 0.422 ng
RT: 3.457 min Scan# 6
Delta R.T. -0.007 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion: 42 Resp: 2495

Ion	Ratio	Lower	Upper
42	100		
74	102.2	93.5	140.3
44	8.5	7.4	11.0

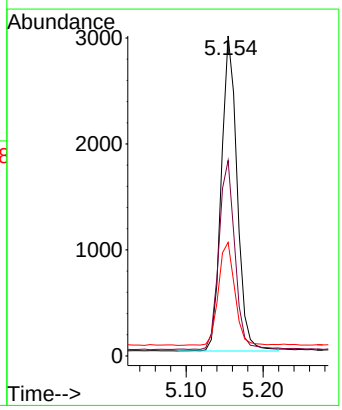


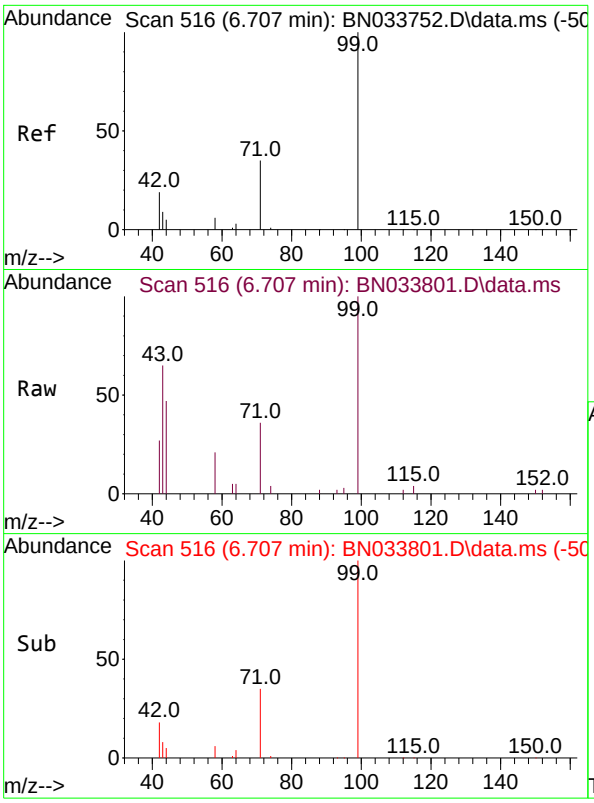


#4
2-Fluorophenol
Concen: 0.313 ng
RT: 5.154 min Scan# 301
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:112 Resp: 4248

Ion	Ratio	Lower	Upper
112	100		
64	60.3	47.6	71.4
63	33.7	25.9	38.9



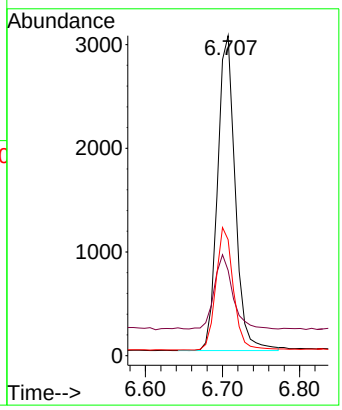


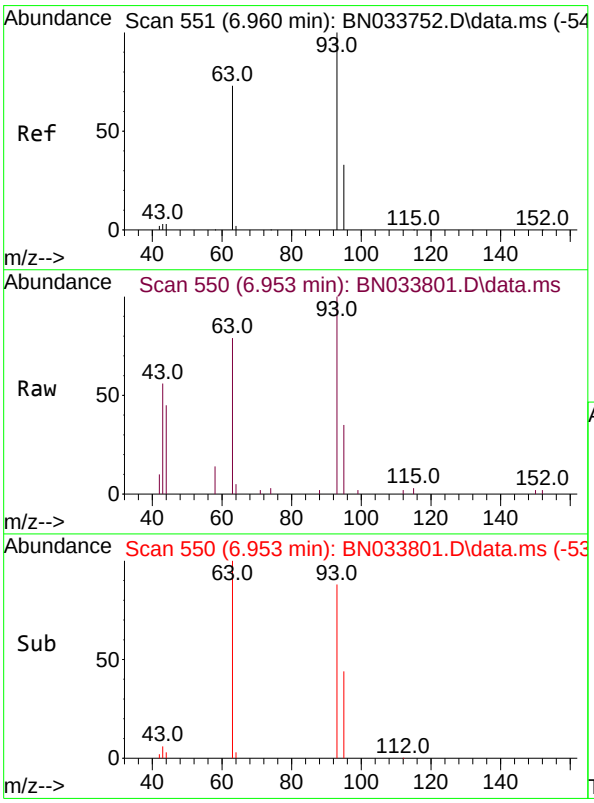
#5
Phenol-d6
Concen: 0.301 ng
RT: 6.707 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion: 99 Resp: 4830

Ion	Ratio	Lower	Upper
99	100		
42	24.7	18.0	27.0
71	38.4	28.7	43.1

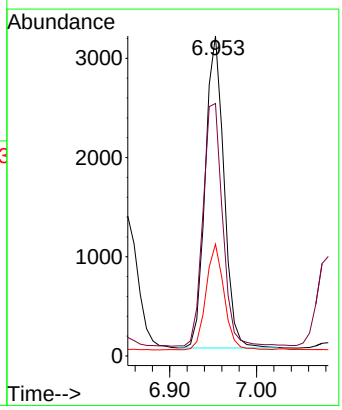


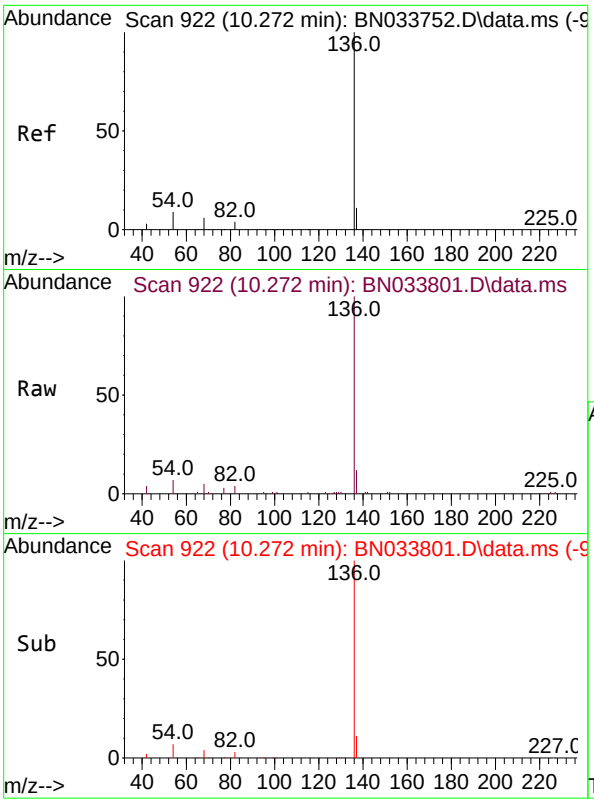


#6
bis(2-Chloroethyl)ether
Concen: 0.388 ng
RT: 6.953 min Scan# 550
Delta R.T. -0.007 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion: 93 Resp: 4705

Ion	Ratio	Lower	Upper
93	100		
63	82.0	64.4	96.6
95	32.9	26.5	39.7



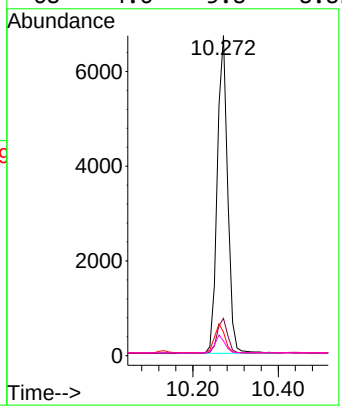


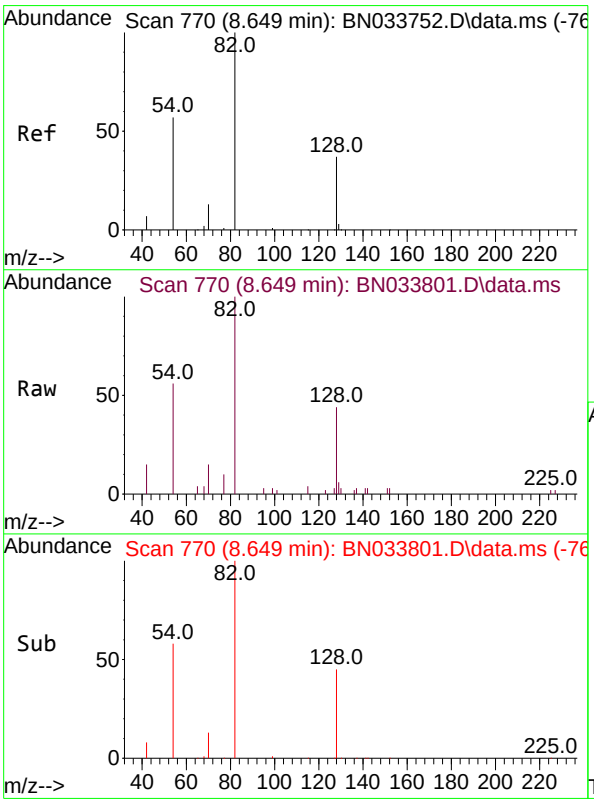
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.272 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:136 Resp: 11347

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.4
54	7.4	8.1	12.1#
68	4.6	5.8	8.8#

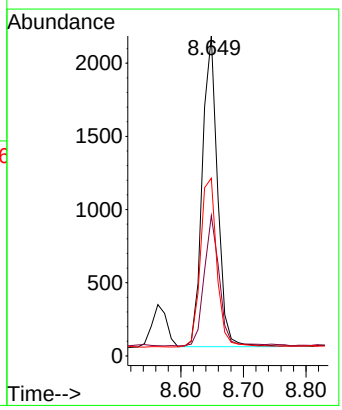


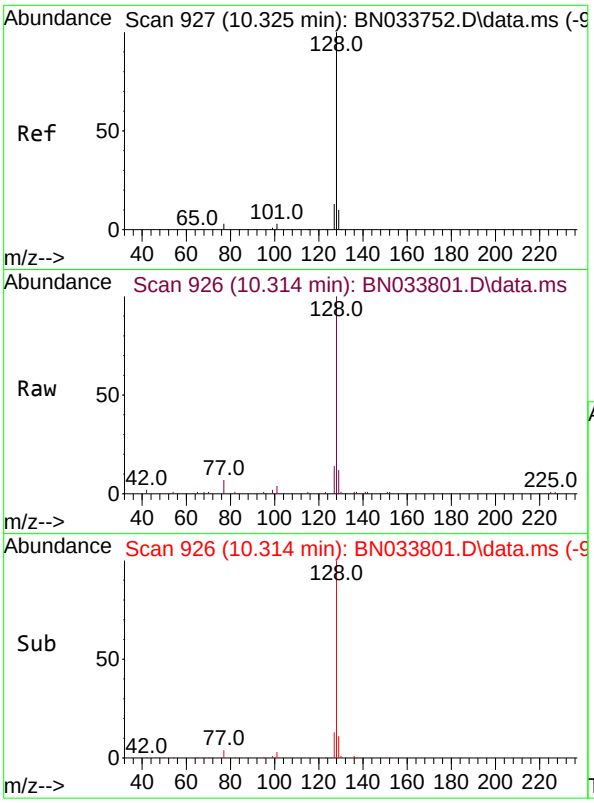


#8
Nitrobenzene-d5
Concen: 0.372 ng
RT: 8.649 min Scan# 770
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion: 82 Resp: 3594

Ion	Ratio	Lower	Upper
82	100		
128	43.8	31.3	46.9
54	55.5	46.9	70.3



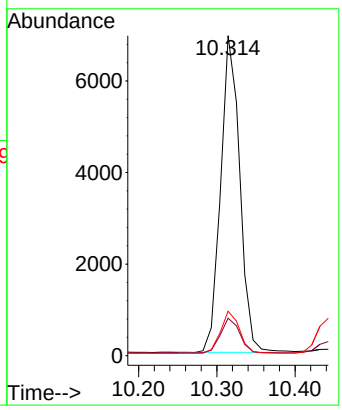


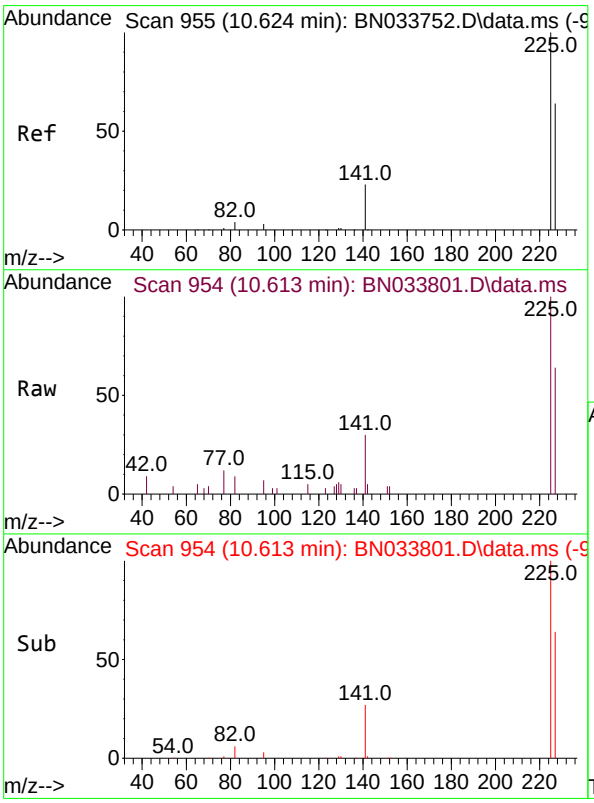
#9
Naphthalene
Concen: 0.387 ng
RT: 10.314 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:128 Resp: 11724

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.9	13.3
127	13.9	10.8	16.2

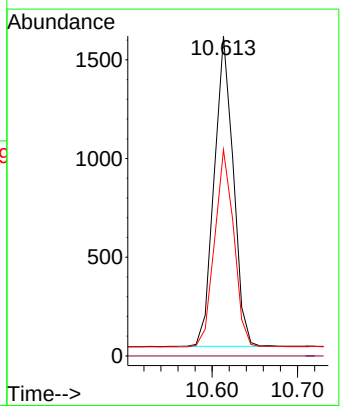


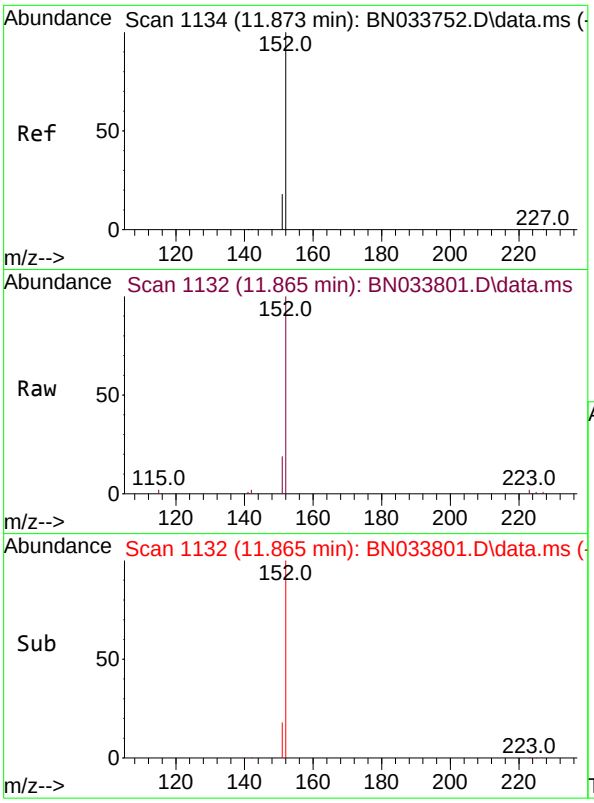


#10
Hexachlorobutadiene
Concen: 0.387 ng
RT: 10.613 min Scan# 954
Delta R.T. -0.011 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:225 Resp: 2442

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	51.2	76.8



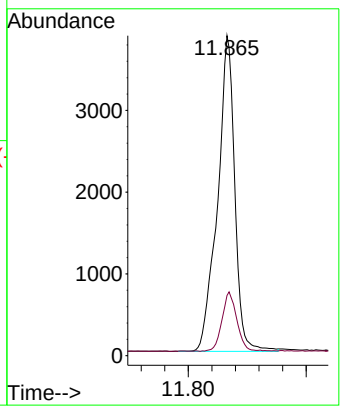


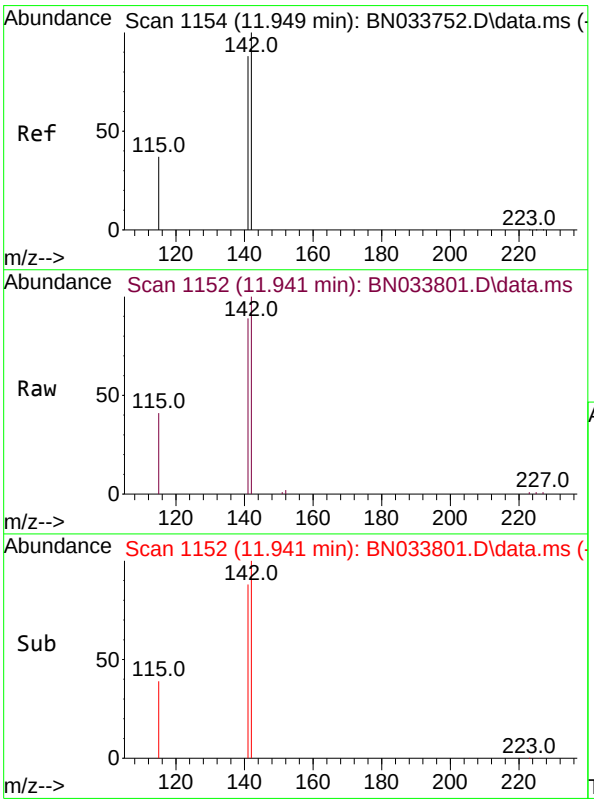
#11
2-Methylnaphthalene-d10
Concen: 0.490 ng
RT: 11.865 min Scan# 11
Delta R.T. -0.008 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:152 Resp: 7855

Ion	Ratio	Lower	Upper
152	100		
151	16.3	16.7	25.1#

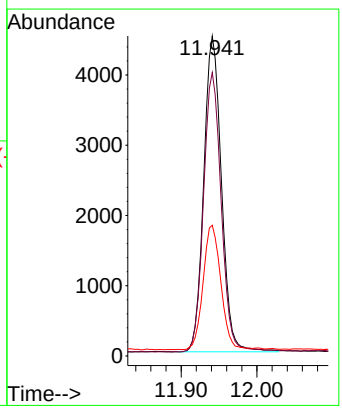


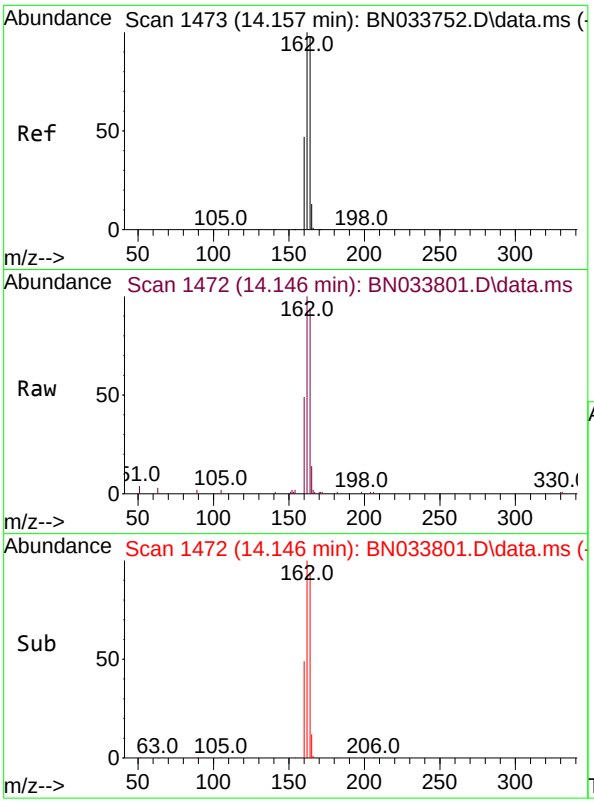


#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 11.941 min Scan# 1152
Delta R.T. -0.008 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:142 Resp: 7307

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.9	106.3
115	40.9	31.0	46.4



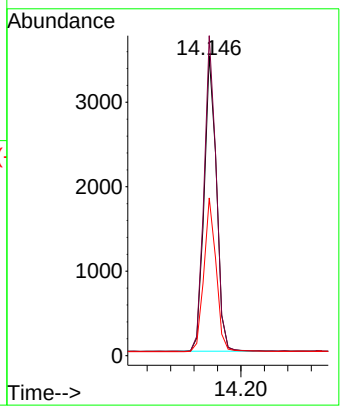


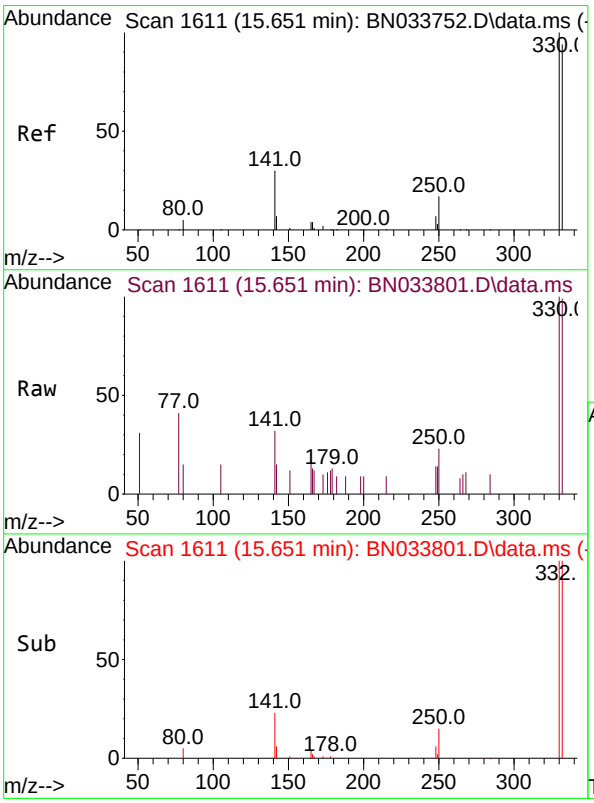
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.146 min Scan# 14
Delta R.T. -0.011 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:164 Resp: 5133

Ion	Ratio	Lower	Upper
164	100		
162	106.7	82.0	123.0
160	52.6	39.1	58.7

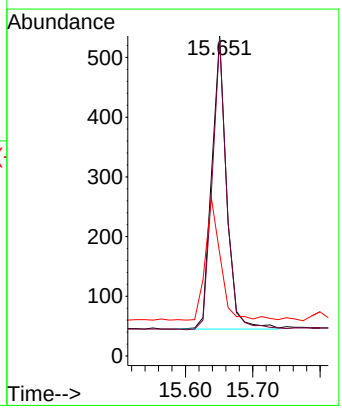


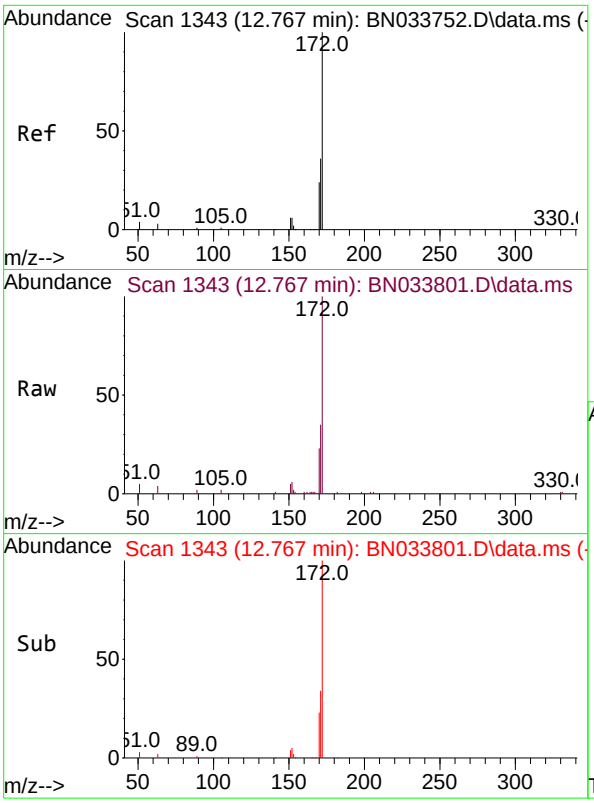


#14
2,4,6-Tribromophenol
Concen: 0.290 ng
RT: 15.651 min Scan# 1611
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:330 Resp: 751

Ion	Ratio	Lower	Upper
330	100		
332	96.8	74.2	111.4
141	42.7	33.9	50.9



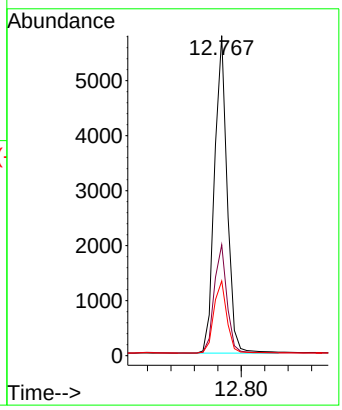


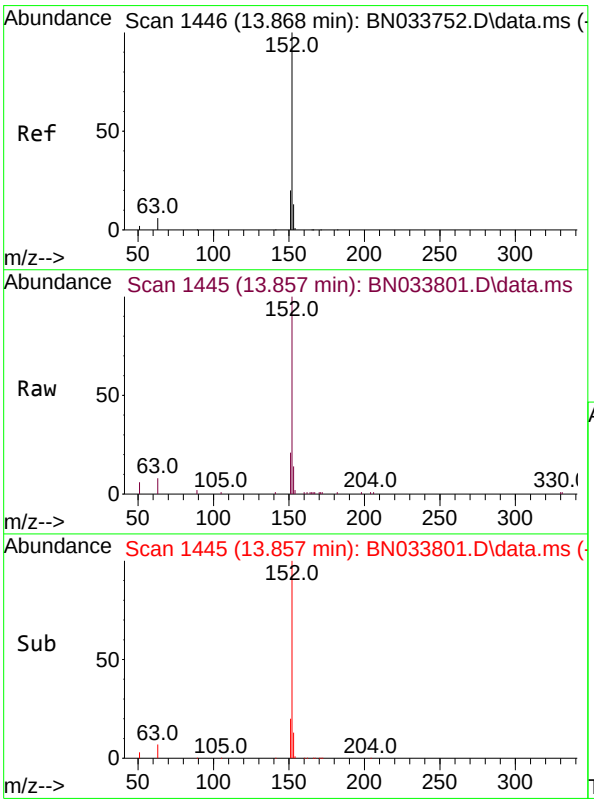
#15
2-Fluorobiphenyl
Concen: 0.403 ng
RT: 12.767 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:172 Resp: 8631

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.8	43.2
170	23.3	19.7	29.5

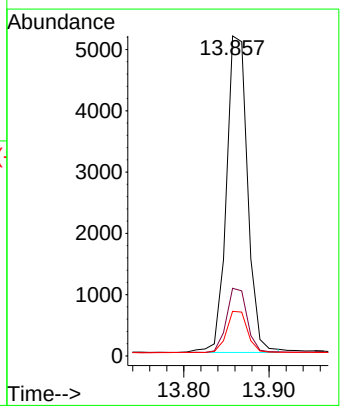


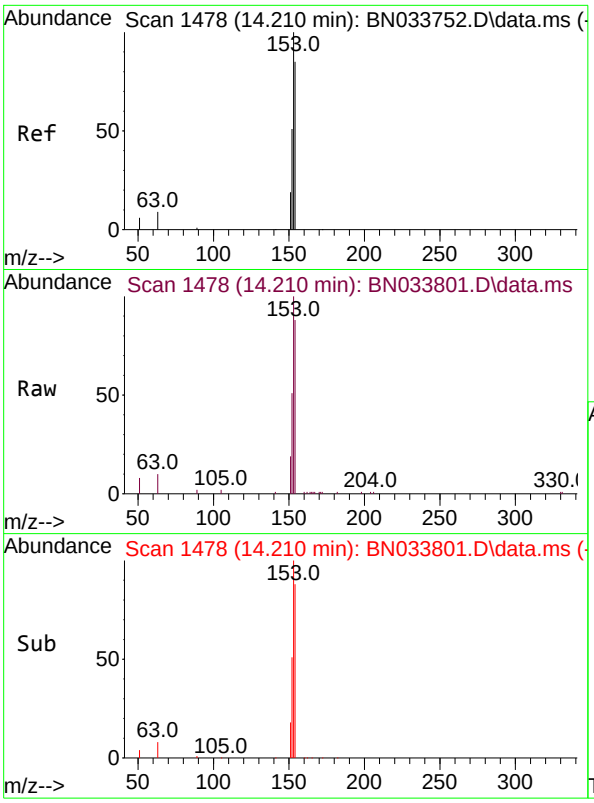


#16
Acenaphthylene
Concen: 0.400 ng
RT: 13.857 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:152 Resp: 8880

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.6	23.4
153	13.0	10.3	15.5



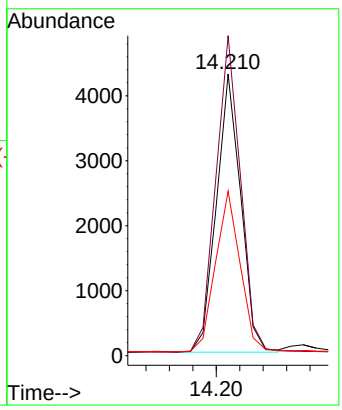


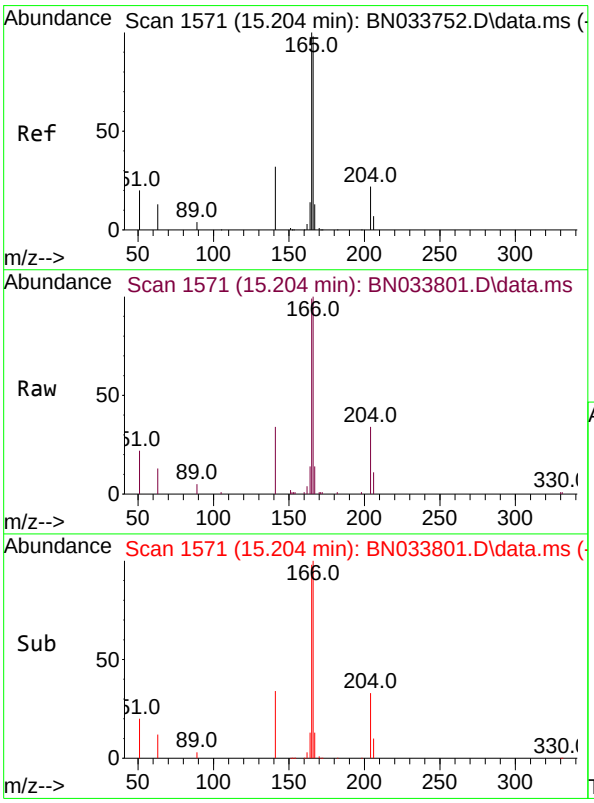
#17
Acenaphthene
Concen: 0.407 ng
RT: 14.210 min Scan# 14
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:154 Resp: 6188

Ion	Ratio	Lower	Upper
154	100		
153	114.6	91.4	137.2
152	58.3	45.8	68.6

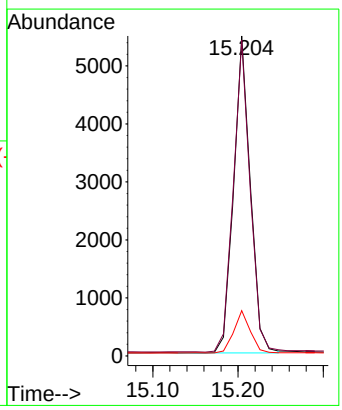


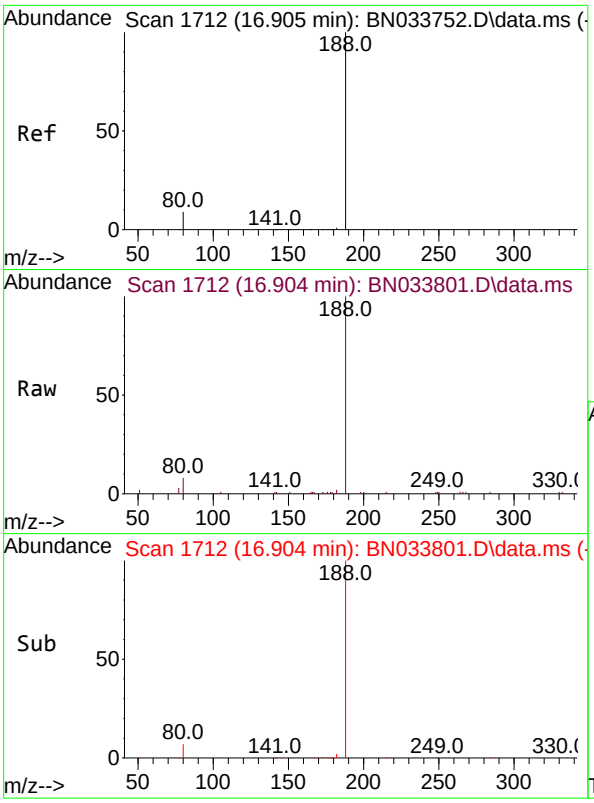


#18
Fluorene
Concen: 0.396 ng
RT: 15.204 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:166 Resp: 7422

Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.8	118.2
167	13.2	10.6	16.0



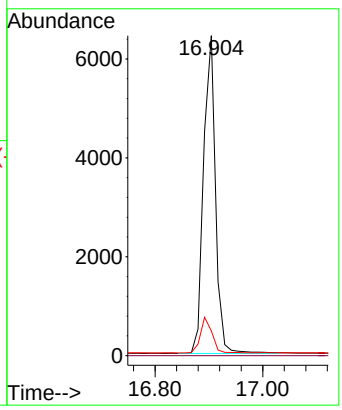


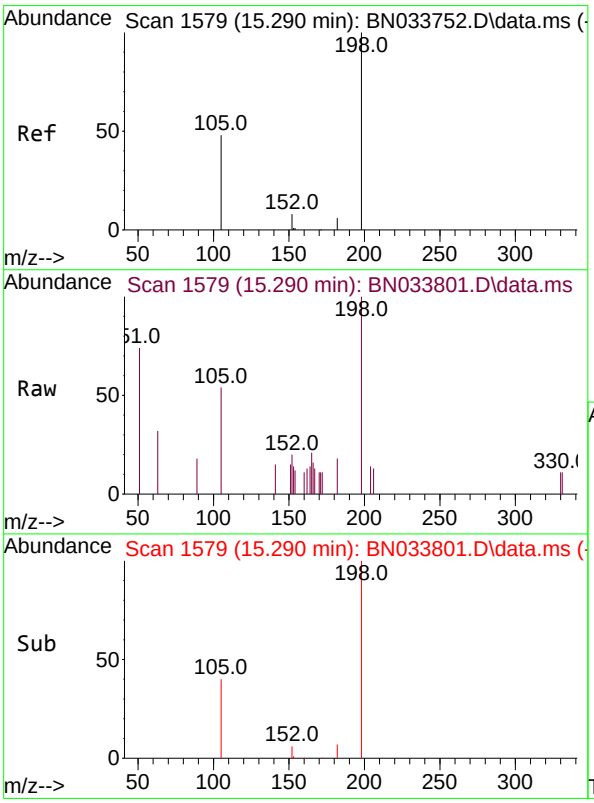
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:188 Resp: 9897

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.8	7.9	11.9#

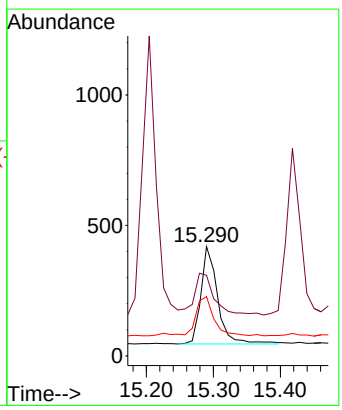


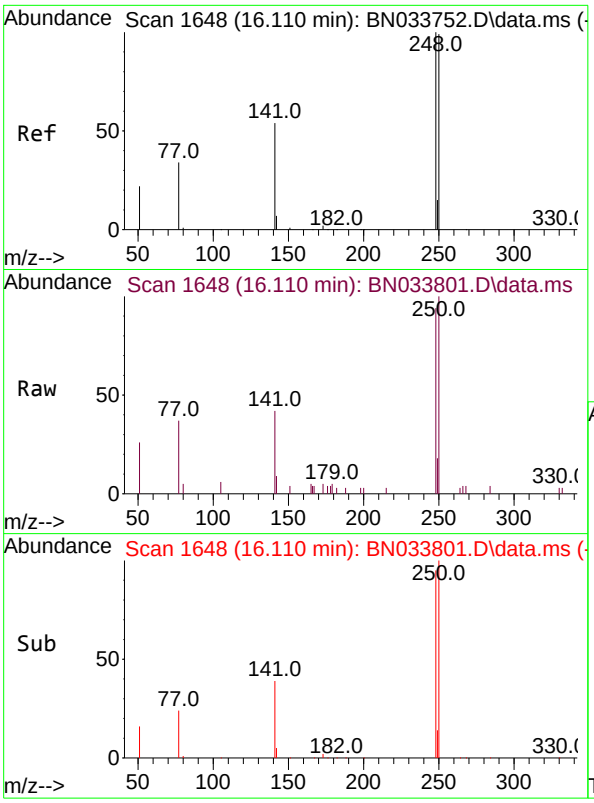


#20
4,6-Dinitro-2-methylphenol
Concen: 0.414 ng
RT: 15.290 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:198 Resp: 647

Ion	Ratio	Lower	Upper
198	100		
51	73.7	92.8	139.2#
105	54.2	59.4	89.0#



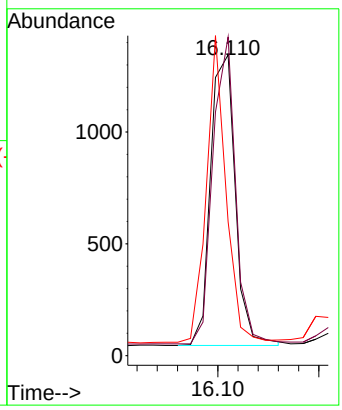


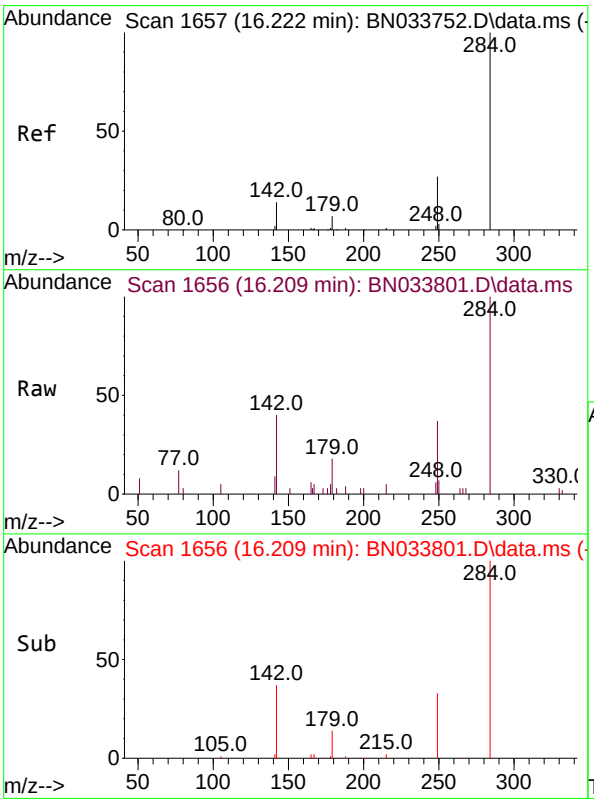
#21
4-Bromophenyl-phenylether
Concen: 0.385 ng
RT: 16.110 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:248 Resp: 2209

Ion	Ratio	Lower	Upper
248	100		
250	105.9	79.5	119.3
141	44.5	44.9	67.3#

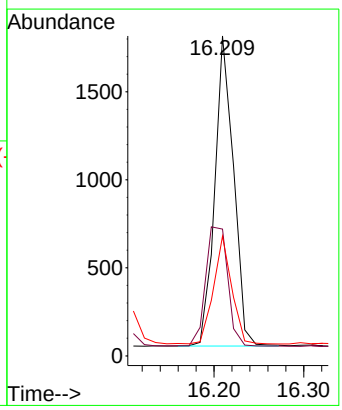


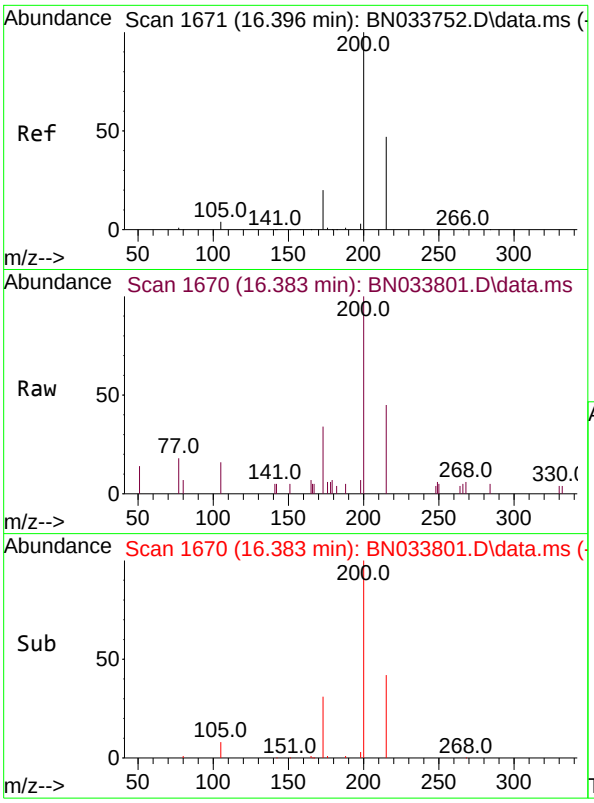


#22
Hexachlorobenzene
Concen: 0.389 ng
RT: 16.209 min Scan# 1656
Delta R.T. -0.013 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:284 Resp: 2559

Ion	Ratio	Lower	Upper
284	100		
142	45.3	32.8	49.2
249	33.7	26.2	39.2



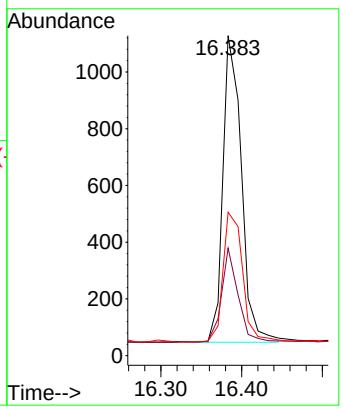


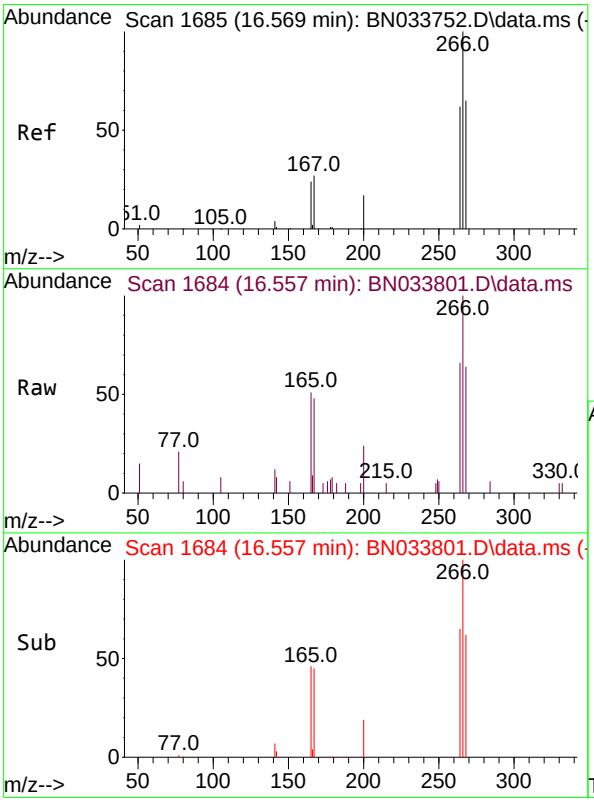
#23
Atrazine
Concen: 0.376 ng
RT: 16.383 min Scan# 1
Delta R.T. -0.013 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:200 Resp: 1723

Ion	Ratio	Lower	Upper
200	100		
173	33.6	18.2	27.4#
215	44.8	39.0	58.4

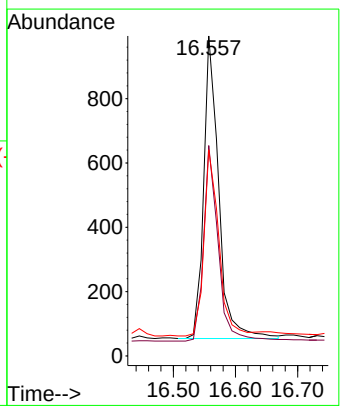


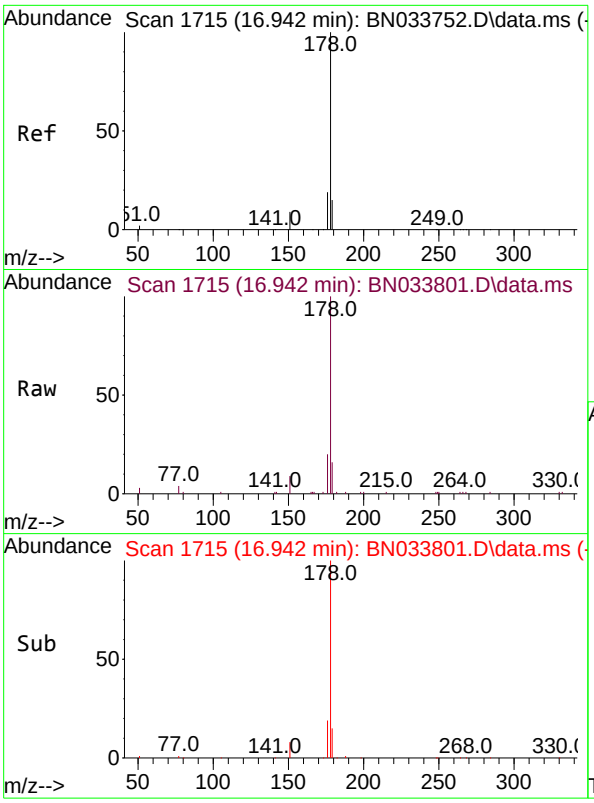


#24
Pentachlorophenol
Concen: 0.588 ng
RT: 16.557 min Scan# 1684
Delta R.T. -0.013 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:266 Resp: 1581

Ion	Ratio	Lower	Upper
266	100		
264	62.8	49.6	74.4
268	61.3	52.2	78.4



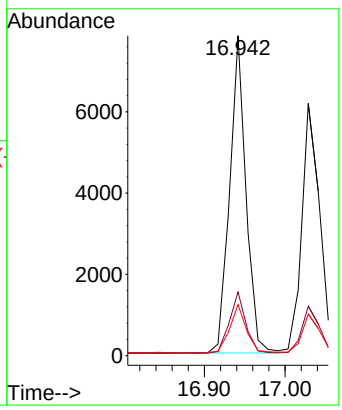


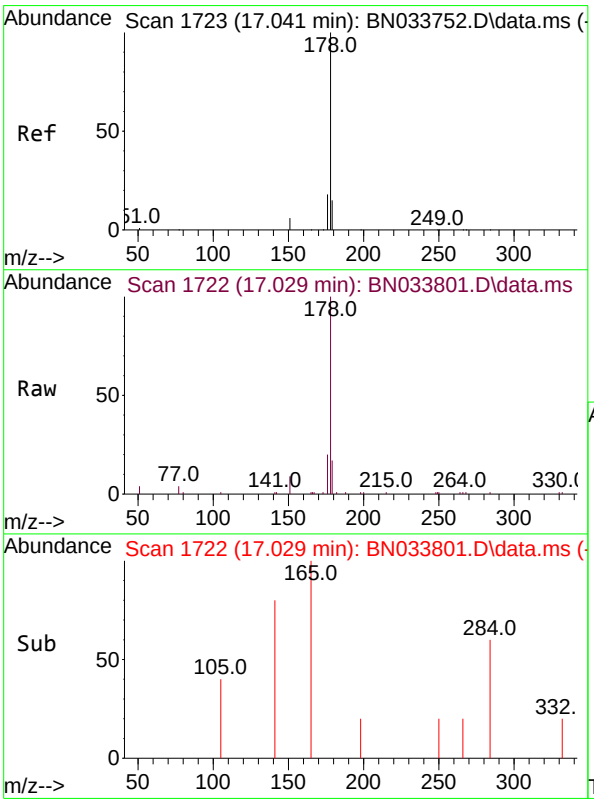
#25
Phenanthrene
Concen: 0.404 ng
RT: 16.942 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:178 Resp: 11011

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	15.4	12.2	18.4

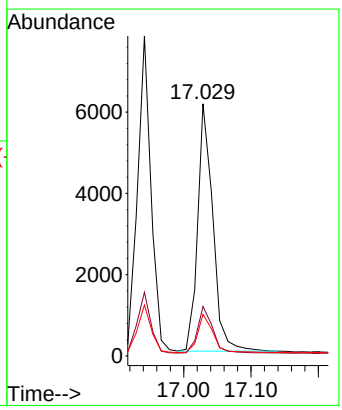


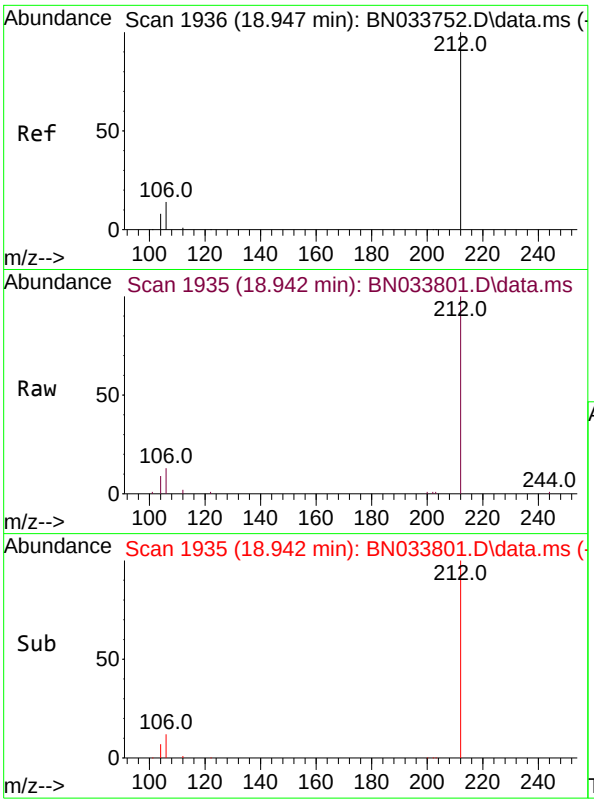


#26
Anthracene
Concen: 0.404 ng
RT: 17.029 min Scan# 1722
Delta R.T. -0.013 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:178 Resp: 9577

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.2	12.4	18.6



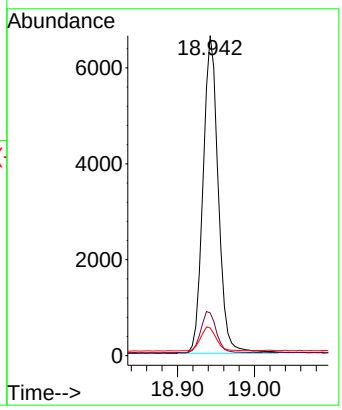


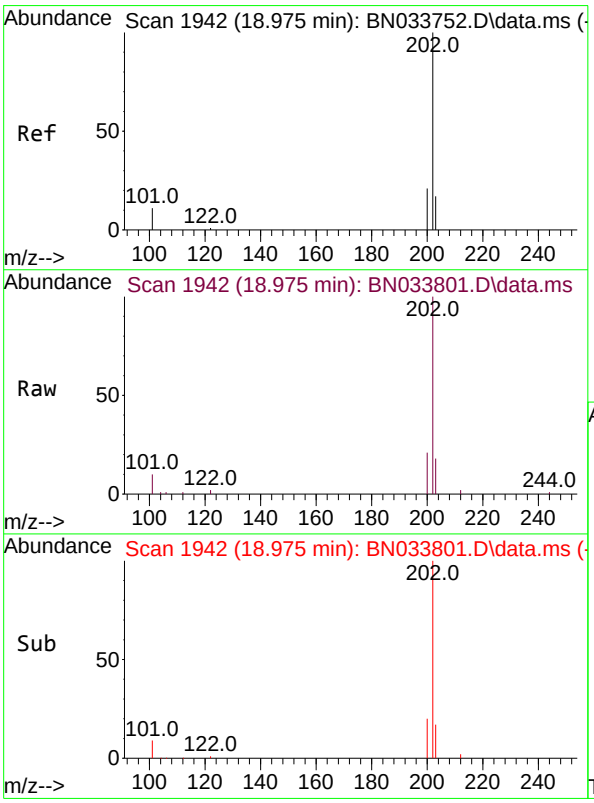
#27
Fluoranthene-d10
Concen: 0.372 ng
RT: 18.942 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:212 Resp: 9091

Ion	Ratio	Lower	Upper
212	100		
106	13.3	11.5	17.3
104	7.7	6.6	9.8

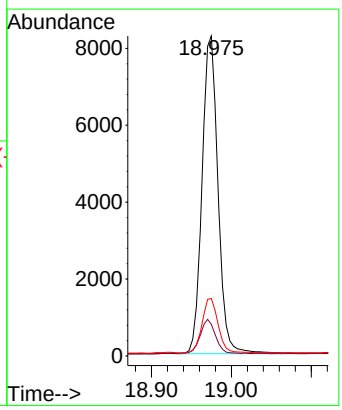


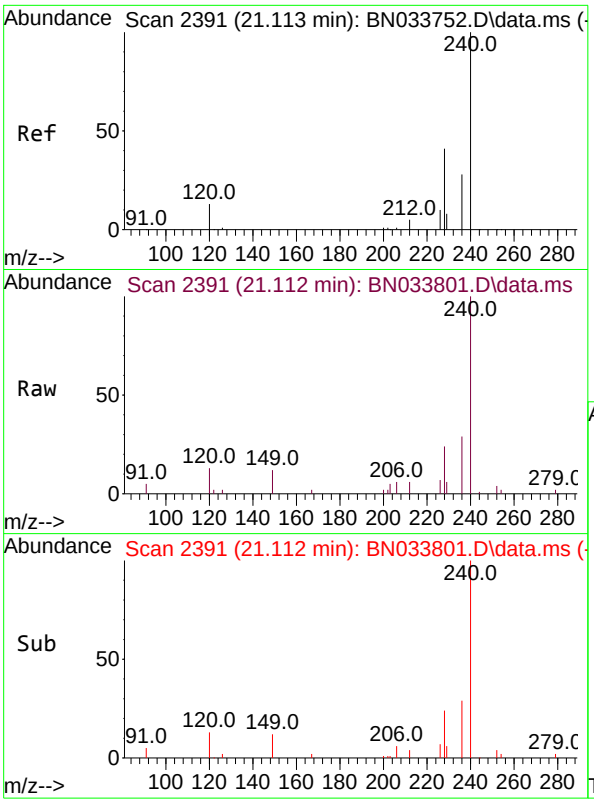


#28
Fluoranthene
Concen: 0.375 ng
RT: 18.975 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:202 Resp: 11470

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



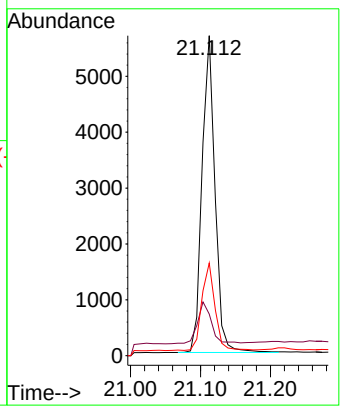


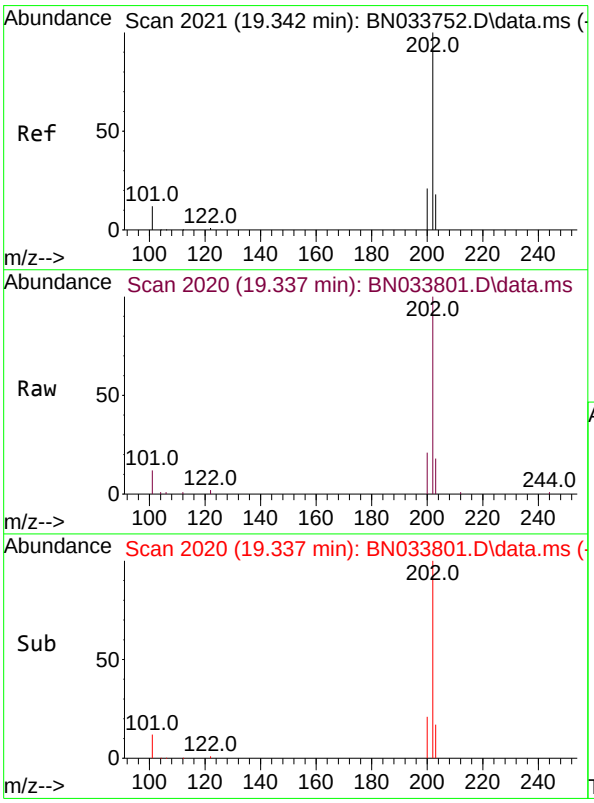
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.112 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:240 Resp: 7332

Ion	Ratio	Lower	Upper
240	100		
120	13.0	13.7	20.5#
236	28.9	23.4	35.2

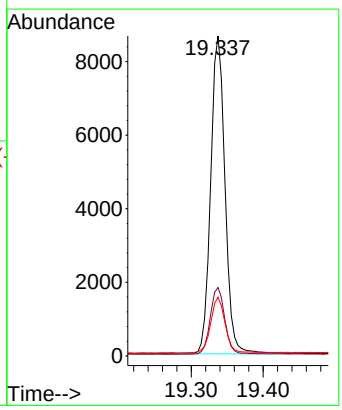


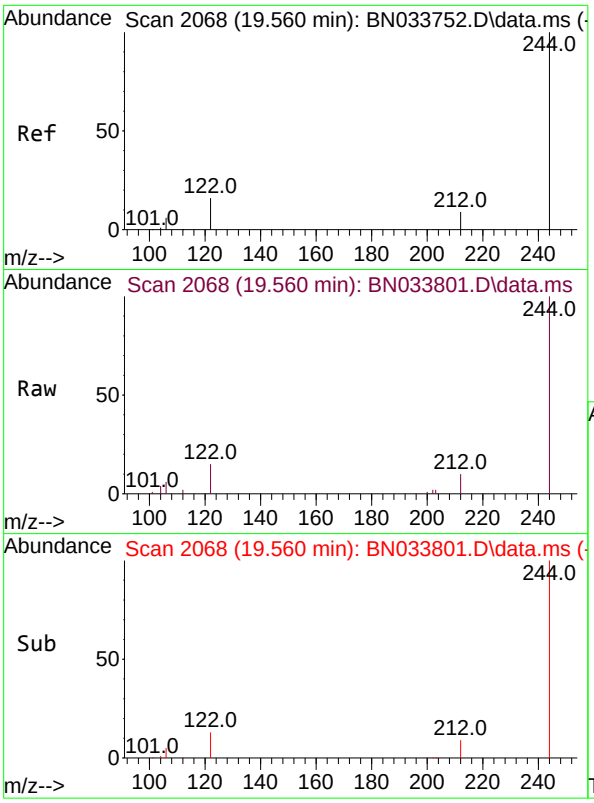


#30
Pyrene
Concen: 0.404 ng
RT: 19.337 min Scan# 2020
Delta R.T. -0.005 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:202 Resp: 11926

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.9	14.4	21.6



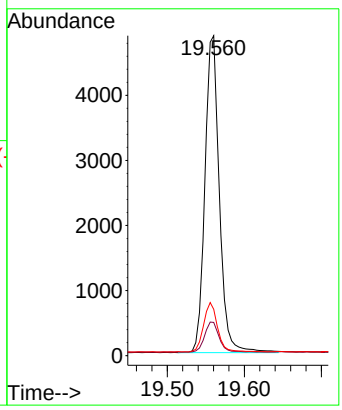


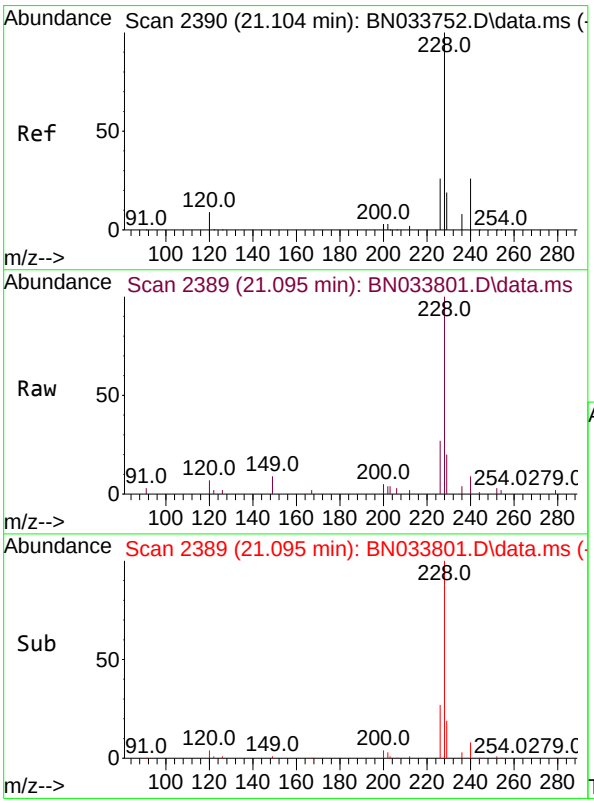
#31
Terphenyl-d14
Concen: 0.405 ng
RT: 19.560 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:244 Resp: 6336

Ion	Ratio	Lower	Upper
244	100		
212	10.4	7.9	11.9
122	14.5	13.2	19.8

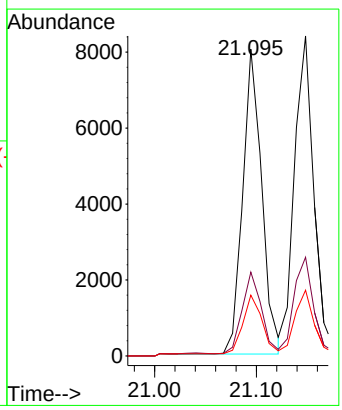


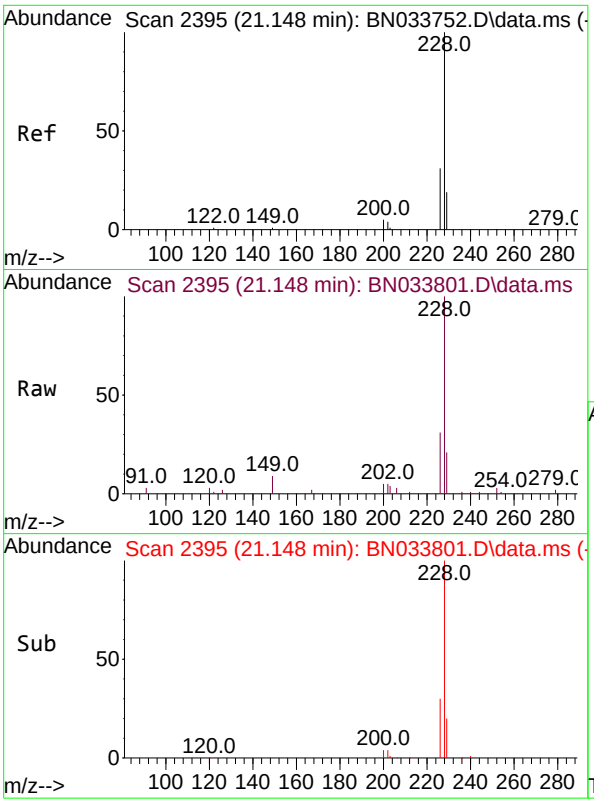


#32
Benzo(a)anthracene
Concen: 0.399 ng
RT: 21.095 min Scan# 2389
Delta R.T. -0.009 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:228 Resp: 10442

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.2	31.8
229	19.8	15.9	23.9



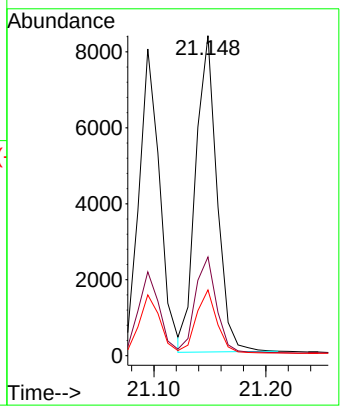


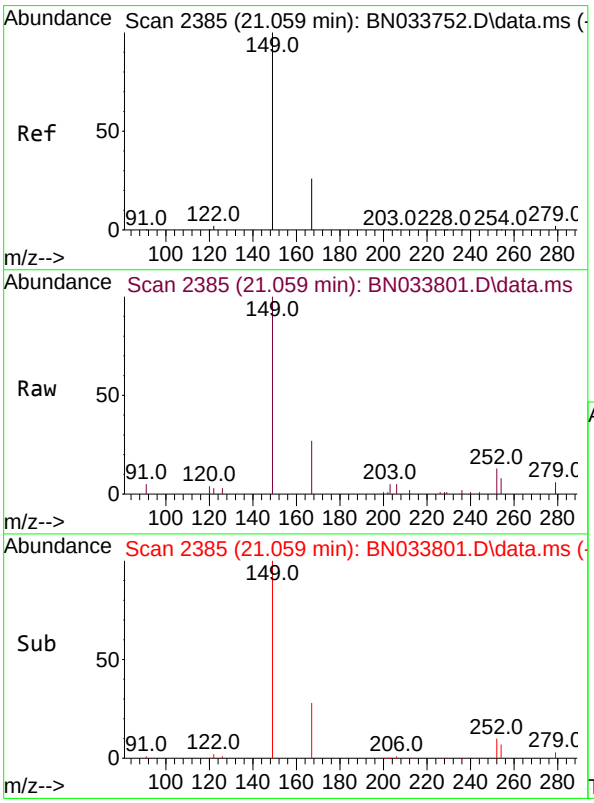
#33
Chrysene
Concen: 0.423 ng
RT: 21.148 min Scan# 2
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:228 Resp: 10952

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	20.6	15.6	23.4

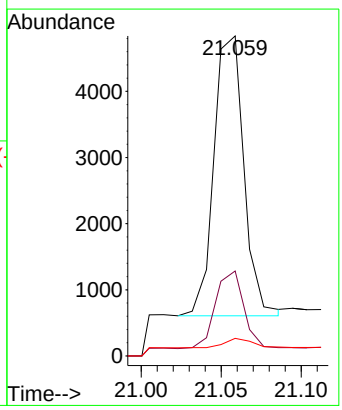


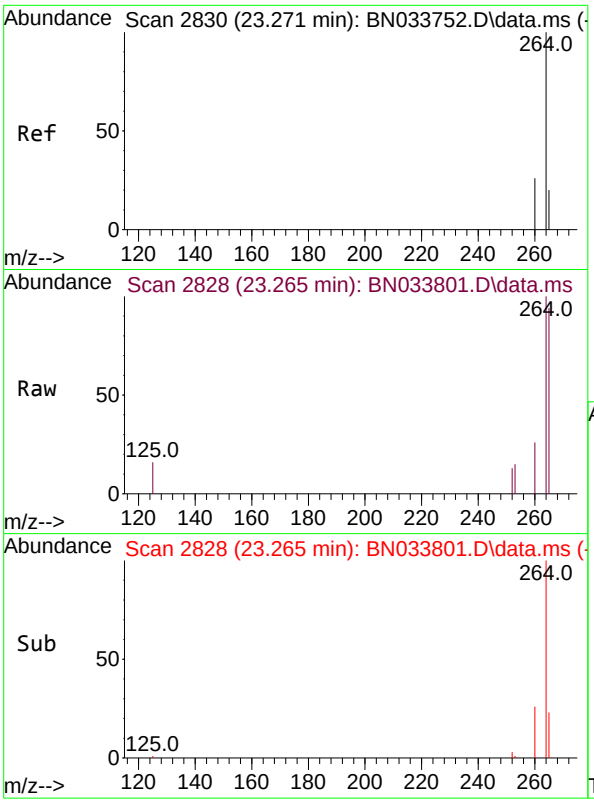


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.386 ng
RT: 21.059 min Scan# 2385
Delta R.T. -0.000 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:149 Resp: 5516

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



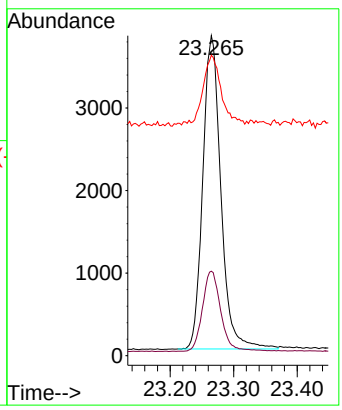


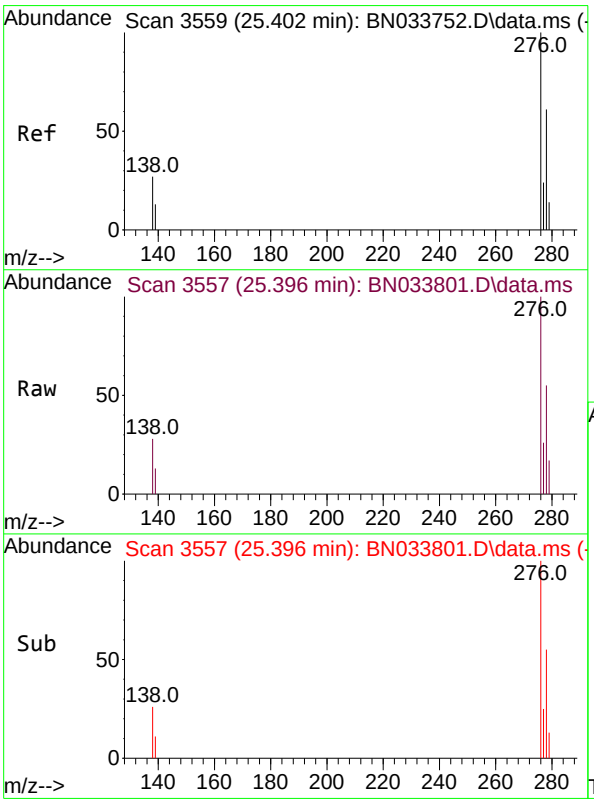
#35
Perylene-d12
Concen: 0.400 ng
RT: 23.265 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:264 Resp: 7520

Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.1	31.7
265	93.9	72.0	108.0

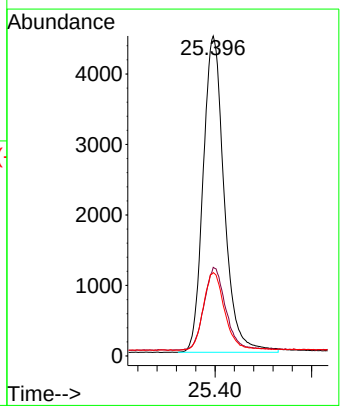


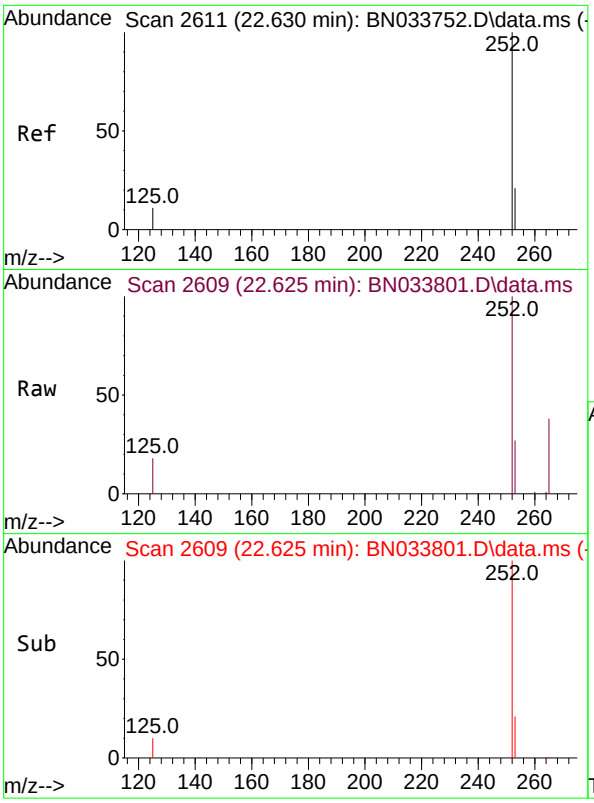


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.438 ng
RT: 25.396 min Scan# 3557
Delta R.T. -0.006 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:276 Resp: 13607

Ion	Ratio	Lower	Upper
276	100		
138	26.7	23.0	34.6
277	25.0	20.2	30.4



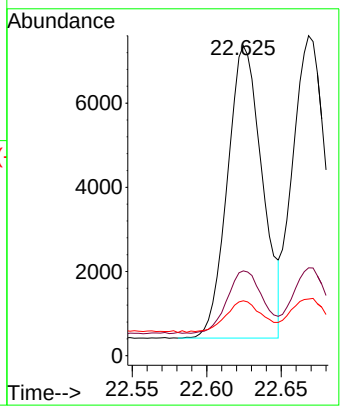


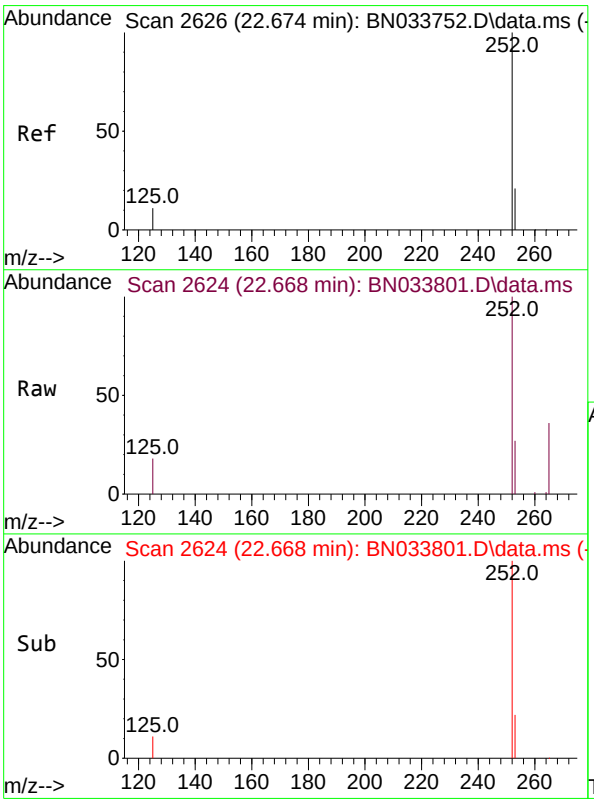
#37
Benzo(b)fluoranthene
Concen: 0.408 ng
RT: 22.625 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:252 Resp: 11287

Ion	Ratio	Lower	Upper
252	100		
253	27.4	21.8	32.6
125	17.7	15.4	23.0

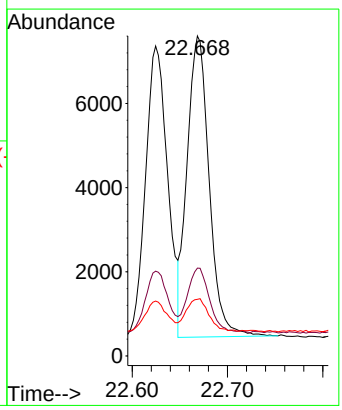


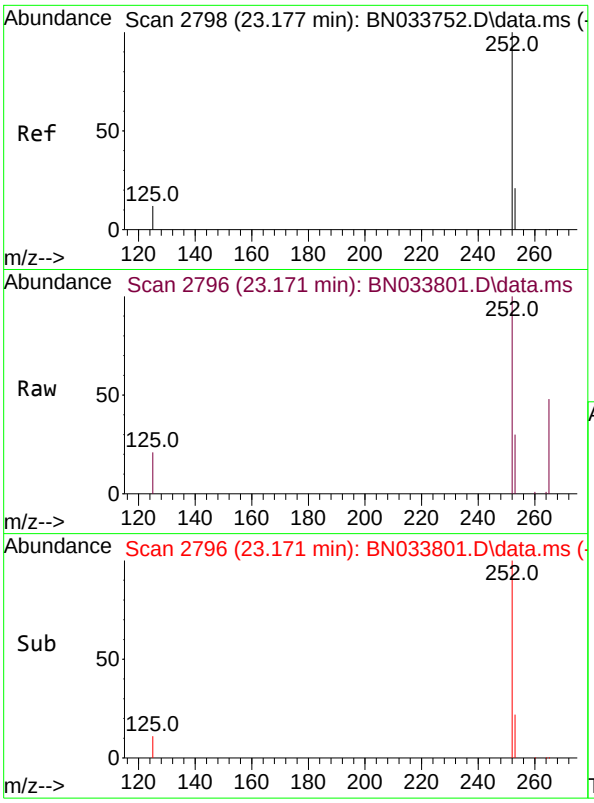


#38
Benzo(k)fluoranthene
Concen: 0.428 ng
RT: 22.668 min Scan# 2624
Delta R.T. -0.006 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:252 Resp: 11529

Ion	Ratio	Lower	Upper
252	100		
253	27.5	21.8	32.8
125	17.7	15.4	23.2



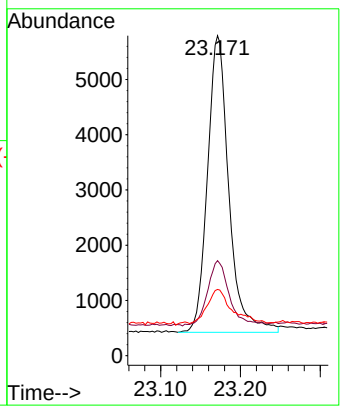


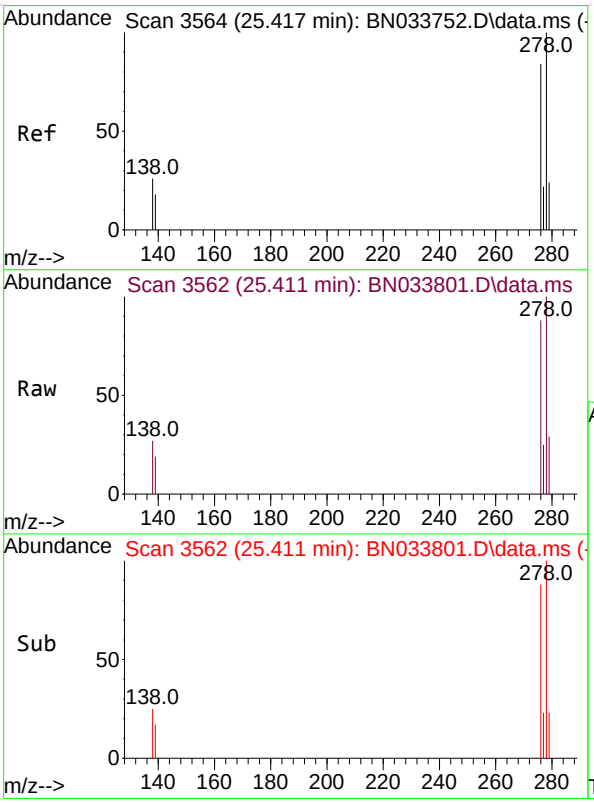
#39
Benzo(a)pyrene
Concen: 0.433 ng
RT: 23.171 min Scan# 2
Delta R.T. -0.006 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:252 Resp: 9997

Ion	Ratio	Lower	Upper
252	100		
253	29.7	24.0	36.0
125	20.7	19.1	28.7

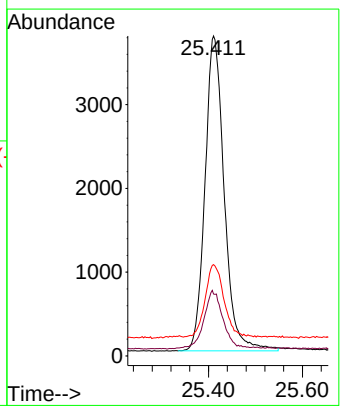


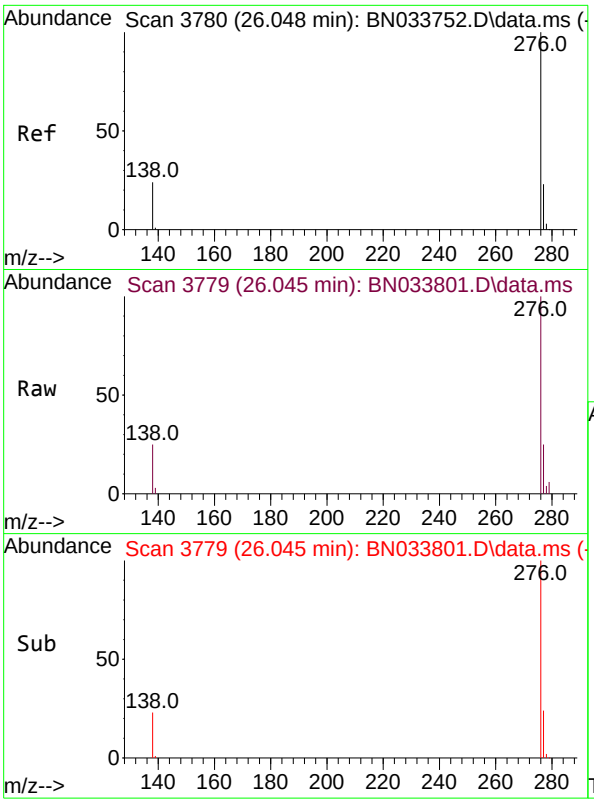


#40
Dibenzo(a,h)anthracene
Concen: 0.430 ng
RT: 25.411 min Scan# 3562
Delta R.T. -0.006 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Tgt Ion:278 Resp: 10706

Ion	Ratio	Lower	Upper
278	100		
139	19.3	16.7	25.1
279	28.6	23.4	35.0





#41
Benzo(g,h,i)perylene
Concen: 0.397 ng
RT: 26.045 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN033801.D
Acq: 07 Sep 2024 03:06

Instrument :
BNA_N
ClientSampleId :
PB163149BS

Tgt Ion:276 Resp: 10721

Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.3	30.5
138	24.9	20.9	31.3