

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110424\
 Data File : BN034839.D
 Acq On : 04 Nov 2024 14:55
 Operator : RC/JU
 Sample : P4652-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-50-20241030

Quant Time: Nov 04 15:32:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN103024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 30 13:28:24 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

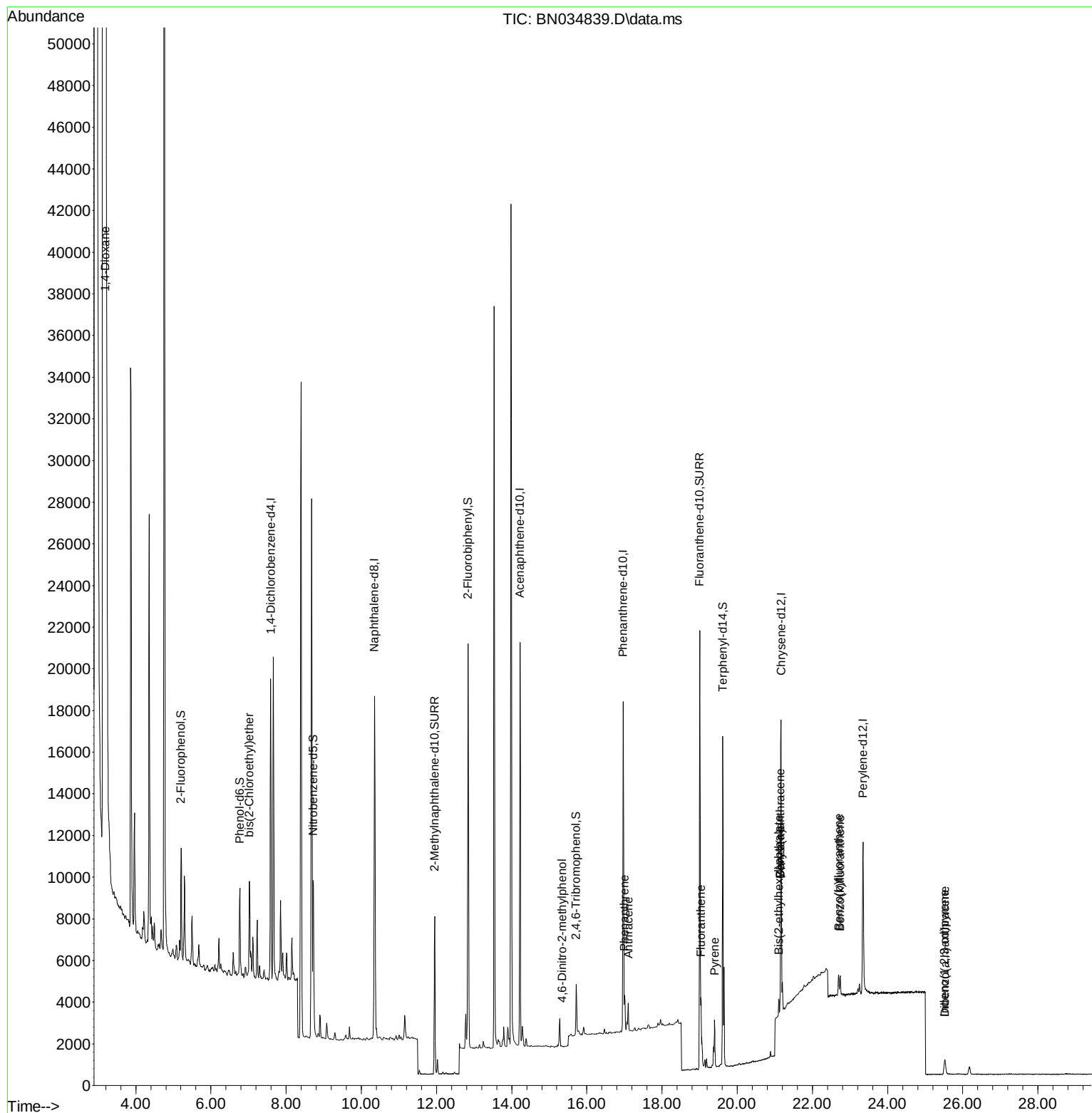
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	6676	0.400	ng	-0.01
7) Naphthalene-d8	10.351	136	20196	0.400	ng	-0.02
13) Acenaphthene-d10	14.218	164	10306	0.400	ng	-0.01
19) Phenanthrene-d10	16.964	188	20231	0.400	ng	#-0.02
29) Chrysene-d12	21.167	240	12090	0.400	ng	-0.01
35) Perylene-d12	23.344	264	9717	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.206	112	4172	0.206	ng	-0.01
5) Phenol-d6	6.766	99	3682	0.140	ng	-0.01
8) Nitrobenzene-d5	8.717	82	6109	0.385	ng	-0.02
11) 2-Methylnaphthalene-d10	11.950	152	10186	0.348	ng	-0.02
14) 2,4,6-Tribromophenol	15.710	330	1295	0.254	ng	-0.02
15) 2-Fluorobiphenyl	12.839	172	15625	0.385	ng	-0.03
27) Fluoranthene-d10	19.003	212	20365	0.429	ng	-0.01
31) Terphenyl-d14	19.617	244	12757	0.491	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.191	88	59452	8.123	ng	95
6) bis(2-Chloroethyl)ether	7.019	93	1335	0.070	ng	# 47
20) 4,6-Dinitro-2-methylph...	15.341	198	8	0.182	ng	# 1
25) Phenanthrene	17.001	178	1845	0.031	ng	98
26) Anthracene	17.101	178	1352	0.024	ng	99
28) Fluoranthene	19.036	202	2824	0.043	ng	95
30) Pyrene	19.398	202	1908	0.030	ng	99
32) Benzo(a)anthracene	21.149	228	1080	0.022	ng	91
33) Chrysene	21.149	228	1080	0.023	ng	94
34) Bis(2-ethylhexyl)phtha...	21.104	149	903	0.022	ng	# 93
36) Indeno(1,2,3-cd)pyrene	25.514	276	846	0.024	ng	99
37) Benzo(b)fluoranthene	22.695	252	1200	0.031	ng	# 5
38) Benzo(k)fluoranthene	22.736	252	1114	0.029	ng	# 1
40) Dibenzo(a,h)anthracene	25.531	278	575	0.021	ng	# 27

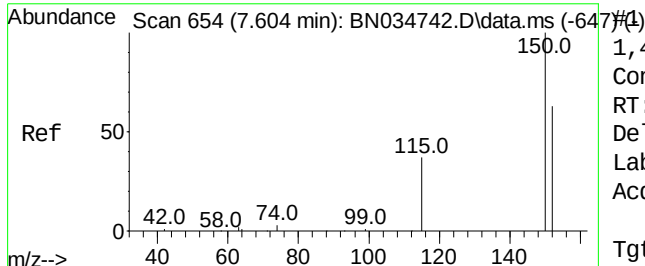
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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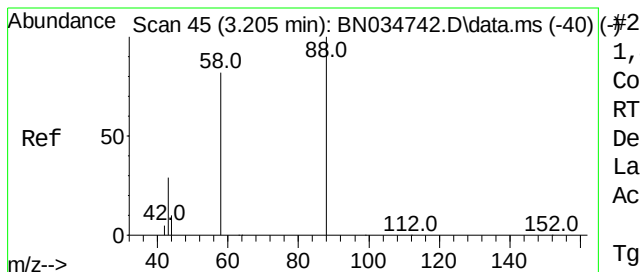
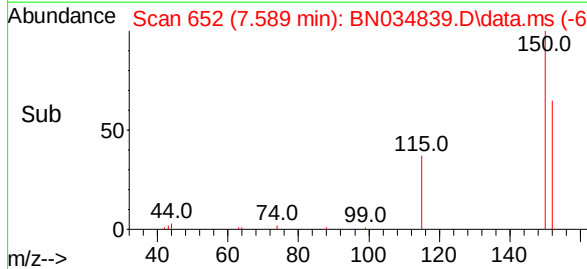
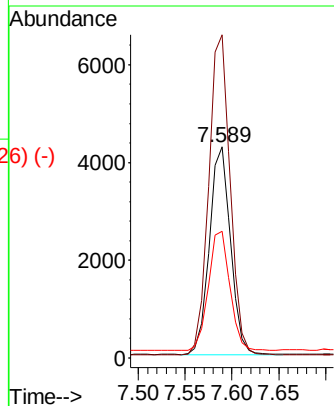
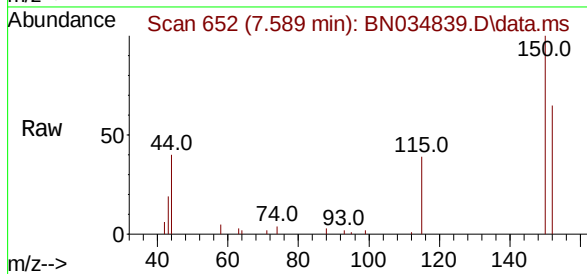




1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.589 min Scan# 61
 Delta R.T. -0.015 min
 Lab File: BN034839.D
 Acq: 04 Nov 2024 14:55

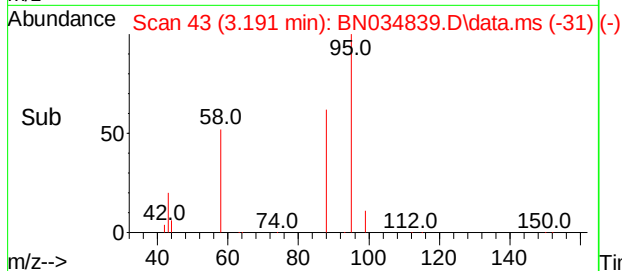
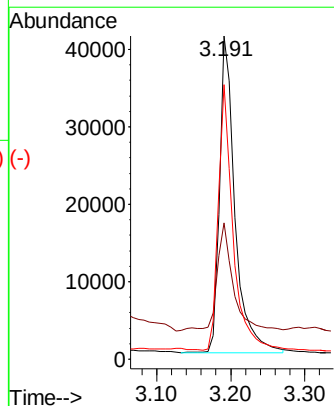
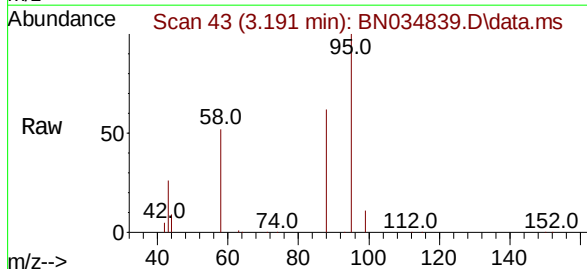
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-50-20241030

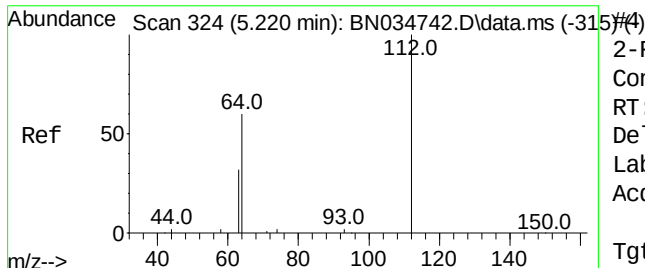
Tgt Ion:	152	Resp:	6676
Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.9	187.3
115	60.1	50.2	75.2



1,4-Dioxane
 Concen: 8.123 ng
 RT: 3.191 min Scan# 43
 Delta R.T. -0.014 min
 Lab File: BN034839.D
 Acq: 04 Nov 2024 14:55

Tgt Ion:	88	Resp:	59452
Ion	Ratio	Lower	Upper
88	100		
43	34.3	26.7	40.1
58	79.5	59.3	88.9





2-Fluorophenol

Concen: 0.206 ng

RT: 5.206 min Scan#

Delta R.T. -0.014 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-50-20241030

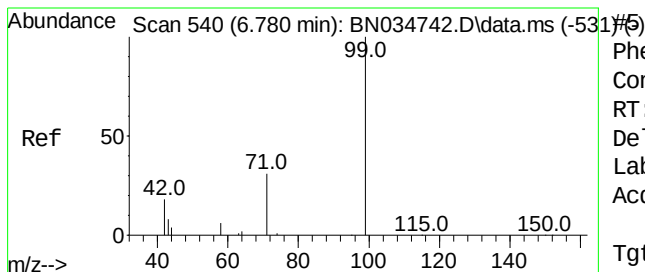
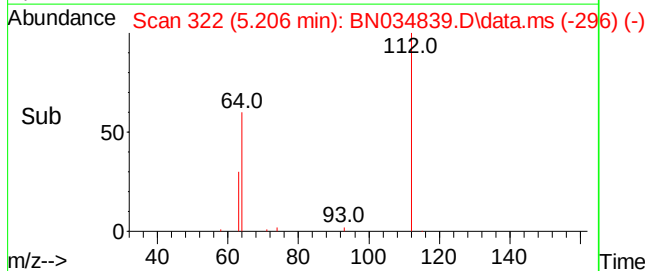
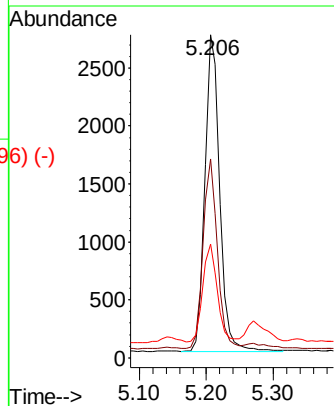
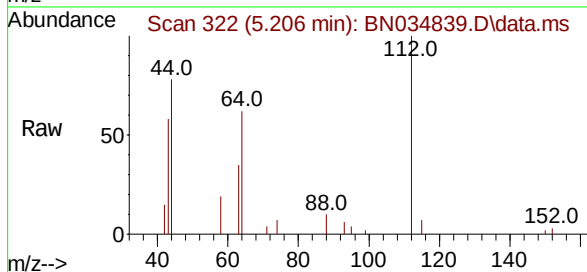
Tgt Ion:112 Resp: 4172

Ion Ratio Lower Upper

112 100

64 57.3 44.9 67.3

63 30.4 23.5 35.3



Phenol-d6

Concen: 0.140 ng

RT: 6.766 min Scan# 538

Delta R.T. -0.014 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

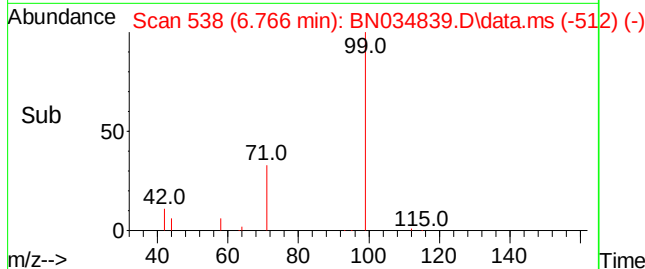
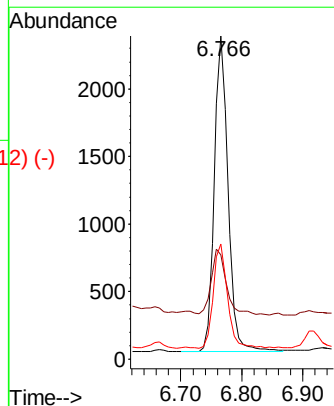
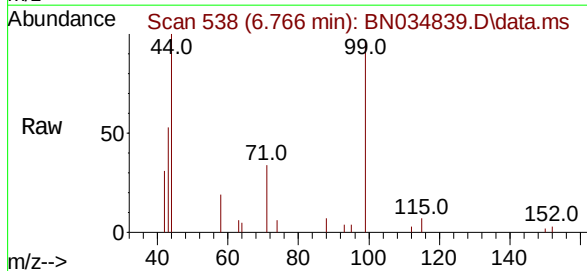
Tgt Ion: 99 Resp: 3682

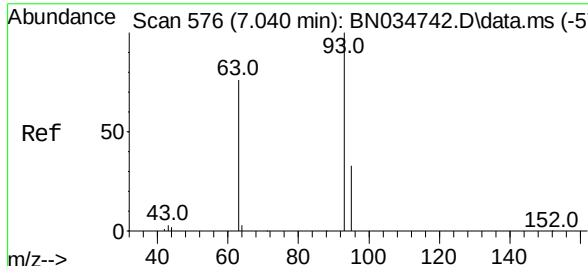
Ion Ratio Lower Upper

99 100

42 23.1 15.9 23.9

71 35.0 24.3 36.5

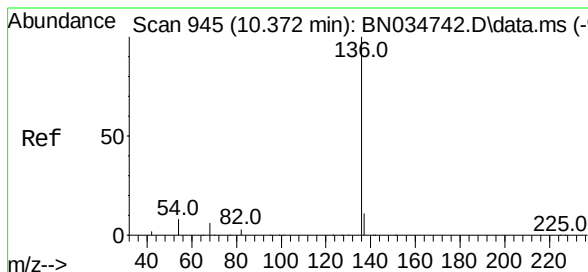
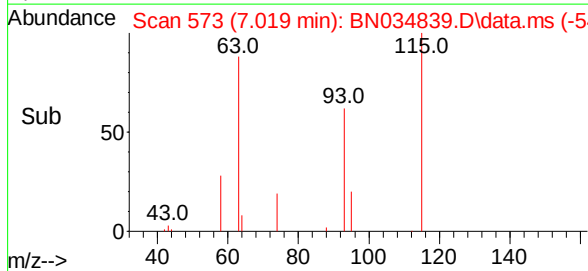
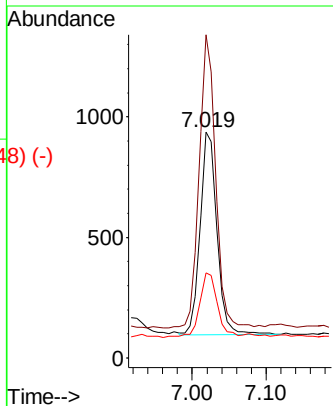
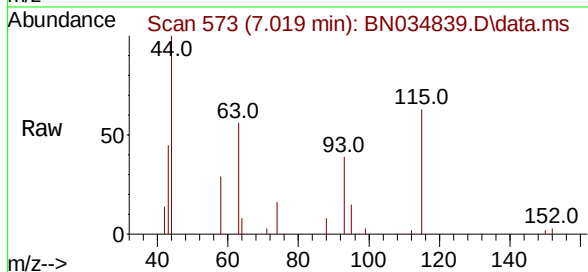




bis(2-Chloroethyl)ether
 Concen: 0.070 ng
 RT: 7.019 min Scan# 1
 Delta R.T. -0.022 min
 Lab File: BN034839.D
 Acq: 04 Nov 2024 14:55

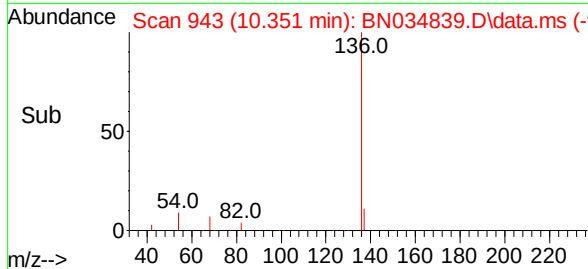
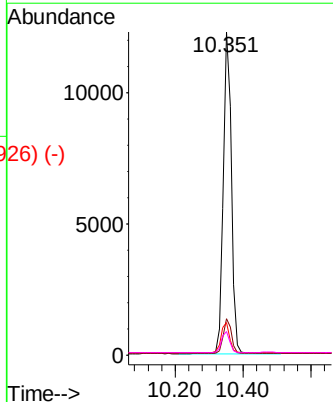
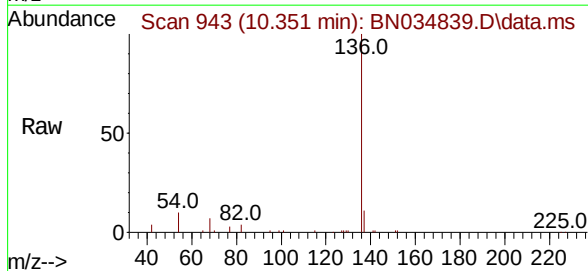
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-50-20241030

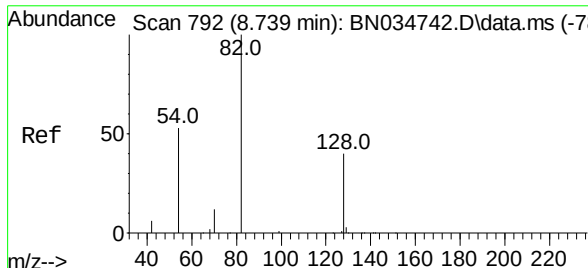
Tgt Ion:	93	Resp:	1335
Ion	Ratio	Lower	Upper
93	100		
63	139.6	61.2	91.8#
95	34.2	25.8	38.8



Naphthalene-d8
 Concen: 0.400 ng
 RT: 10.351 min Scan# 943
 Delta R.T. -0.021 min
 Lab File: BN034839.D
 Acq: 04 Nov 2024 14:55

Tgt Ion:	136	Resp:	20196
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	10.2	7.0	10.4
68	7.4	5.6	8.4





Nitrobenzene-d5

Concen: 0.385 ng

RT: 8.717 min Scan#

Delta R.T. -0.021 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-50-20241030

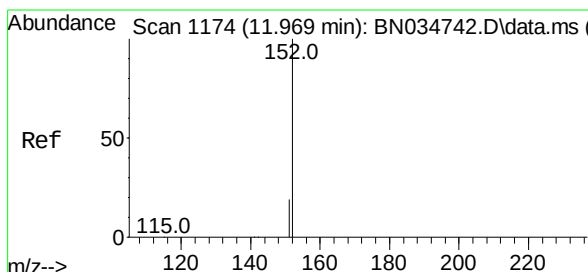
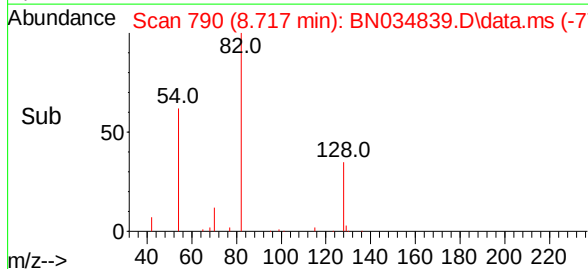
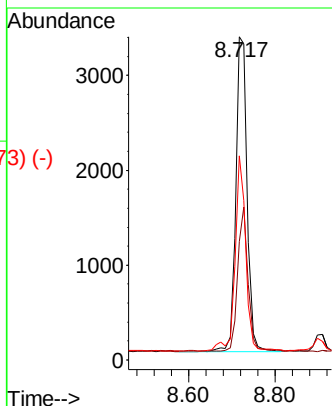
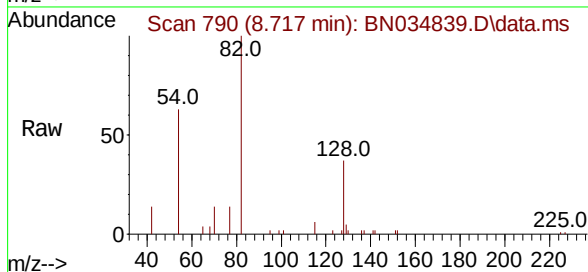
Tgt Ion: 82 Resp: 6109

Ion Ratio Lower Upper

82 100

128 36.6 33.7 50.5

54 63.3 44.4 66.6



2-Methylnaphthalene-d10

Concen: 0.348 ng

RT: 11.950 min Scan# 1169

Delta R.T. -0.019 min

Lab File: BN034839.D

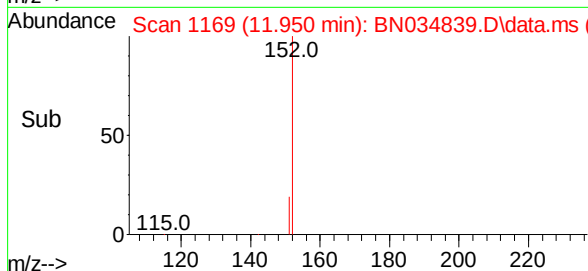
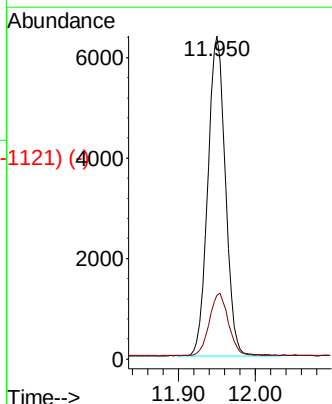
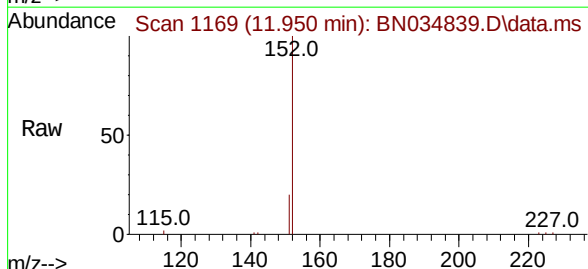
Acq: 04 Nov 2024 14:55

Tgt Ion: 152 Resp: 10186

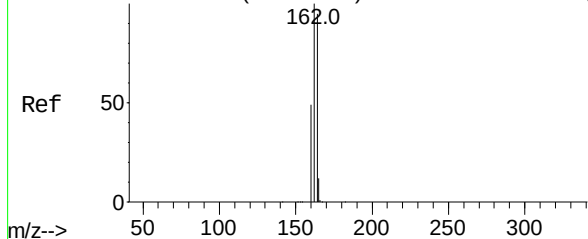
Ion Ratio Lower Upper

152 100

151 20.9 16.6 24.8



Abundance Scan 1495 (14.233 min): BN034742.D\data.ms (-1416) (-)



Acenaphthene-d10

Concen: 0.400 ng

RT: 14.218 min Scan# 1493

Delta R.T. -0.015 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

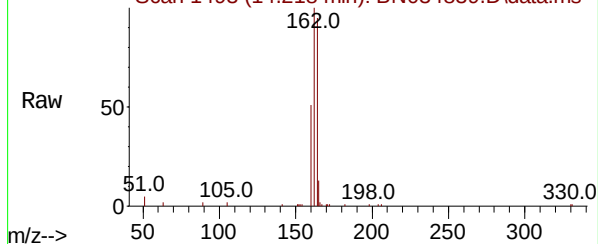
Instrument :

BNA_N

ClientSampleId :

RW5-SP100-50-20241030

Abundance Scan 1493 (14.218 min): BN034839.D\data.ms



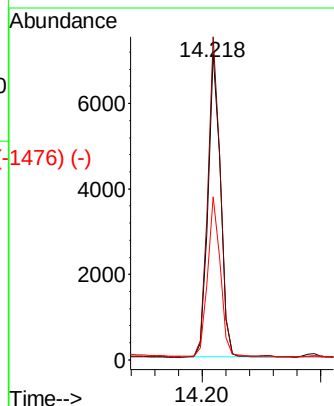
Tgt Ion:164 Resp: 10306

Ion Ratio Lower Upper

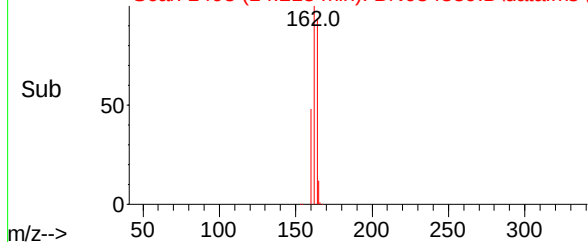
164 100

162 105.7 84.3 126.5

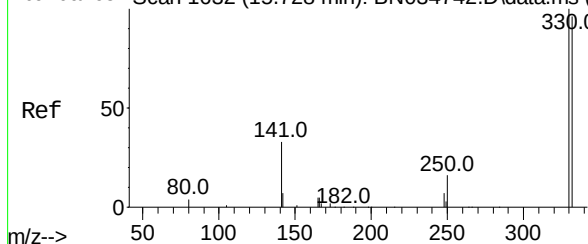
160 53.4 41.7 62.5



Abundance Scan 1493 (14.218 min): BN034839.D\data.ms (-1476) (-)



Abundance Scan 1632 (15.728 min): BN034742.D\data.ms (-1618) (-)



2,4,6-Tribromophenol

Concen: 0.254 ng

RT: 15.710 min Scan# 1630

Delta R.T. -0.018 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

Tgt Ion:330 Resp: 1295

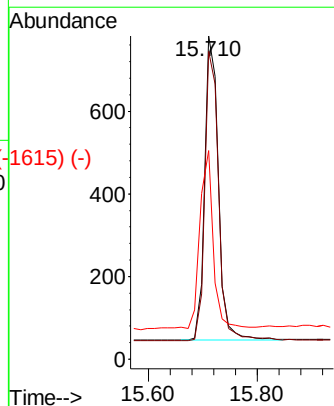
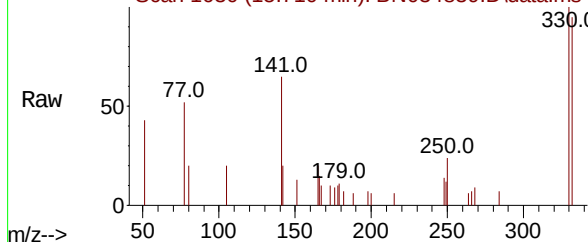
Ion Ratio Lower Upper

330 100

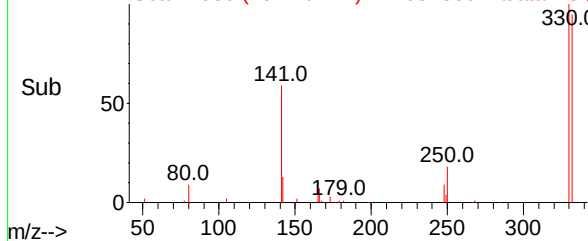
332 95.4 77.8 116.6

141 62.4 41.0 61.4#

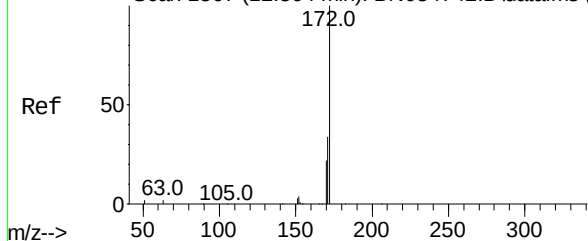
Abundance Scan 1630 (15.710 min): BN034839.D\data.ms



Abundance Scan 1630 (15.710 min): BN034839.D\data.ms (-1615) (-)



Abundance Scan 1367 (12.864 min): BN034742.D\data.ms (-1367) (-)



2-Fluorobiphenyl

Concen: 0.385 ng

RT: 12.839 min Scan# 1364

Delta R.T. -0.025 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-50-20241030

Tgt Ion:172 Resp: 15625

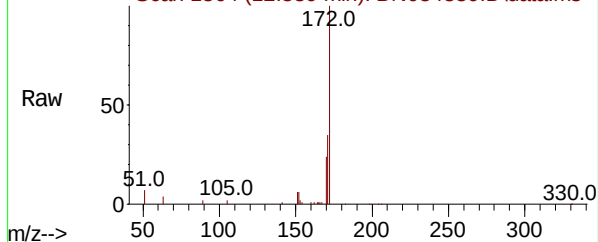
Ion Ratio Lower Upper

172 100

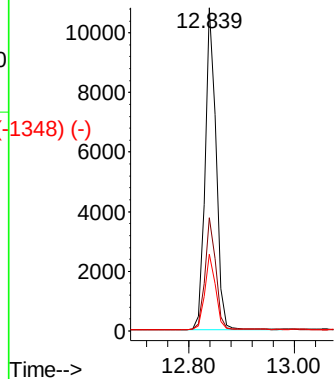
171 35.0 27.2 40.8

170 23.7 18.0 27.0

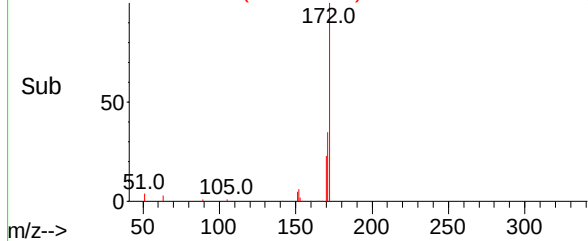
Abundance Scan 1364 (12.839 min): BN034839.D\data.ms



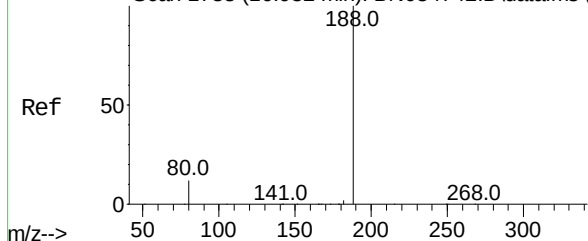
Abundance



Abundance Scan 1364 (12.839 min): BN034839.D\data.ms (-1348) (-)



Abundance Scan 1733 (16.982 min): BN034742.D\data.ms (-1729) (-)



Phenanthrene-d10

Concen: 0.400 ng

RT: 16.964 min Scan# 1731

Delta R.T. -0.018 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

Tgt Ion:188 Resp: 20231

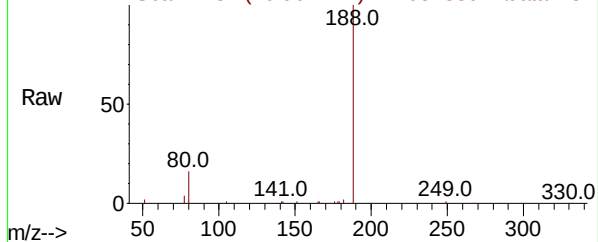
Ion Ratio Lower Upper

188 100

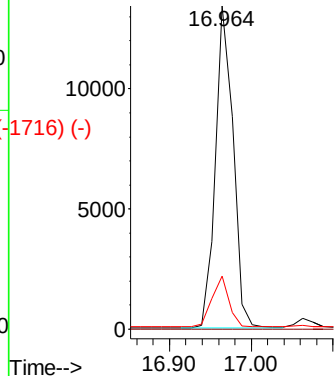
94 0.0 0.0 0.0

80 16.4 9.8 14.6#

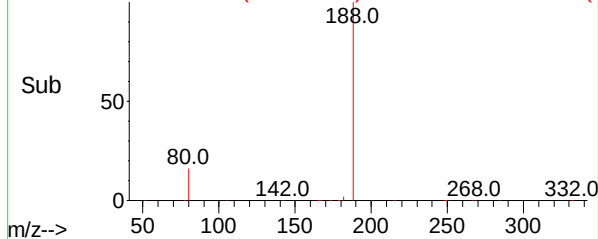
Abundance Scan 1731 (16.964 min): BN034839.D\data.ms

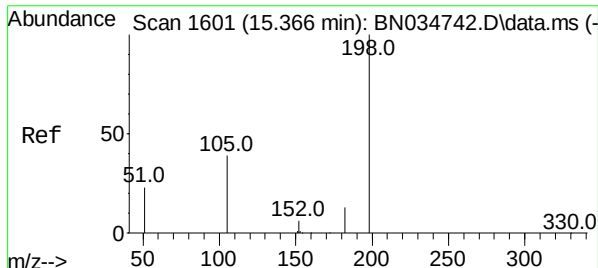


Abundance



Abundance Scan 1731 (16.964 min): BN034839.D\data.ms (-1716) (-)

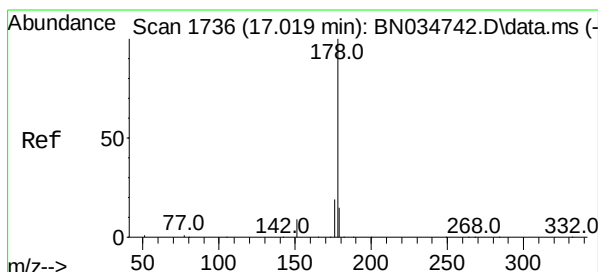
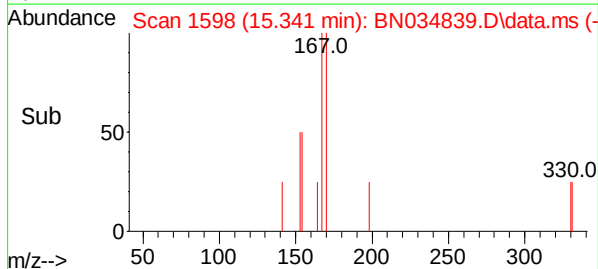
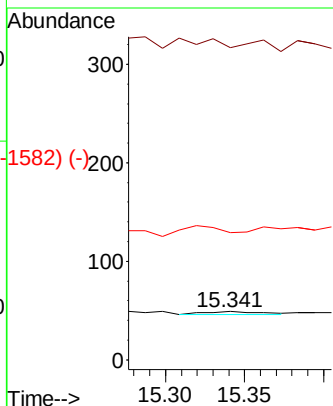
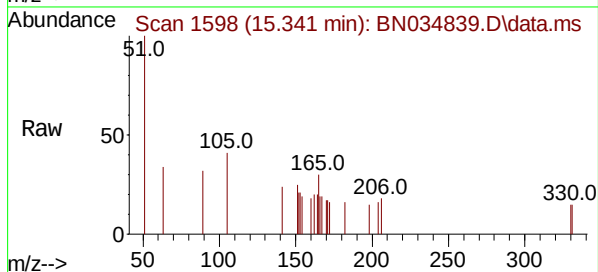




4,6-Dinitro-2-methylphenol
Concen: 0.182 ng
RT: 15.341 min Scan# 1526
Delta R.T. -0.025 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

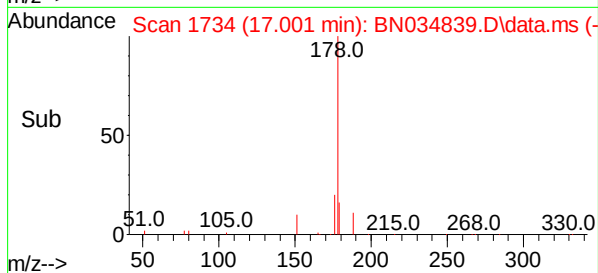
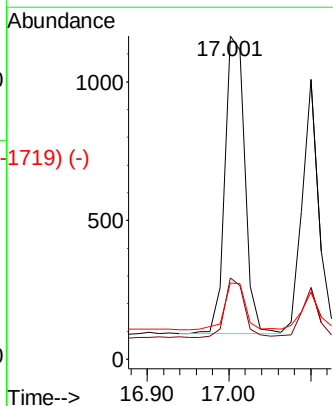
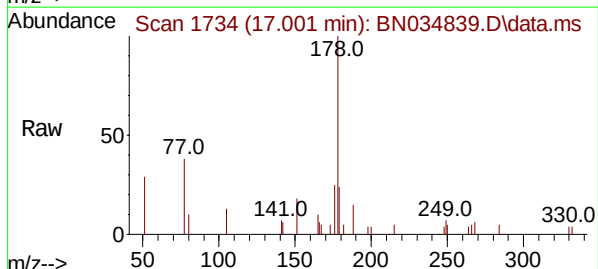
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-50-20241030

Tgt Ion:	198	Resp:	8
Ion	Ratio	Lower	Upper
198	100		
51	646.9	58.0	87.0#
105	263.3	49.1	73.7#

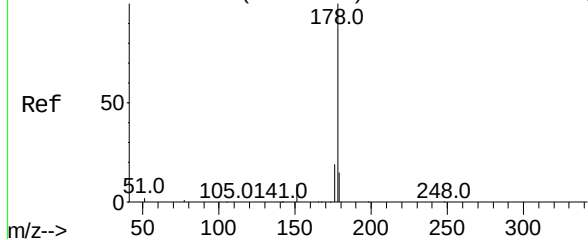


Phenanthrene
Concen: 0.031 ng
RT: 17.001 min Scan# 1734
Delta R.T. -0.018 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

Tgt Ion:	178	Resp:	1845
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	16.6	12.2	18.4



Abundance Scan 1743 (17.106 min): BN034742.D\data.ms (-1726) (-)



Anthracene

Concen: 0.024 ng

RT: 17.101 min Scan# 1743

Delta R.T. -0.006 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-50-20241030

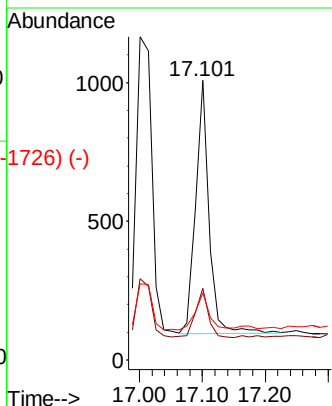
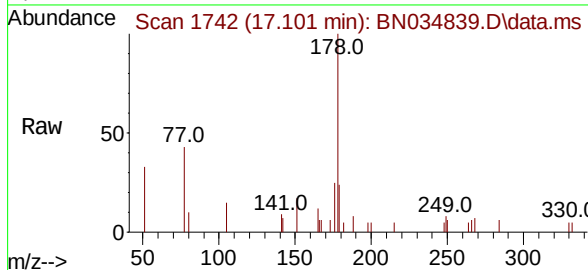
Tgt Ion:178 Resp: 1352

Ion Ratio Lower Upper

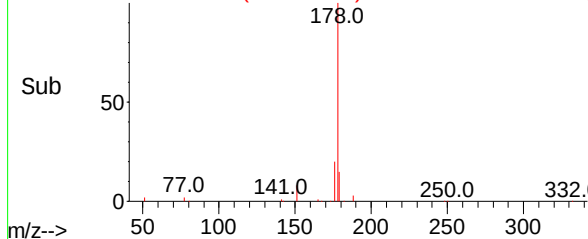
178 100

176 18.4 15.0 22.6

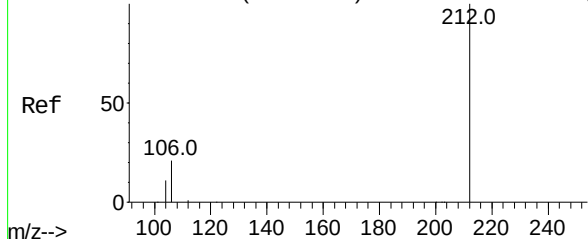
179 15.2 12.2 18.2



Abundance Scan 1742 (17.101 min): BN034839.D\data.ms (-1726) (-)



Abundance Scan 1965 (19.015 min): BN034742.D\data.ms (-1925) (-)



Fluoranthene-d10

Concen: 0.429 ng

RT: 19.003 min Scan# 1961

Delta R.T. -0.012 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

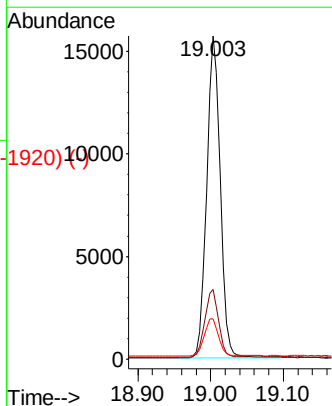
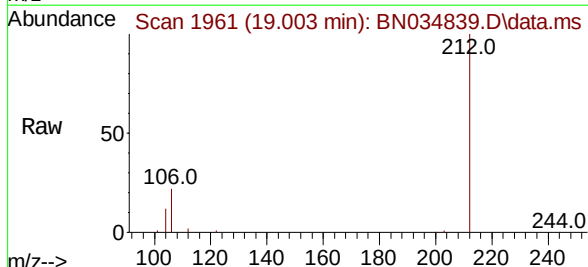
Tgt Ion:212 Resp: 20365

Ion Ratio Lower Upper

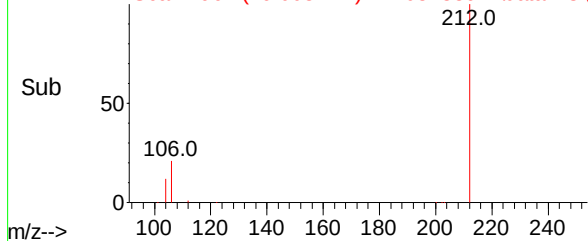
212 100

106 21.2 16.1 24.1

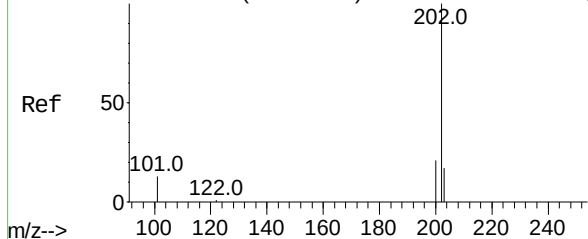
104 12.3 9.2 13.8



Abundance Scan 1961 (19.003 min): BN034839.D\data.ms (-1920) (-)



Abundance Scan 1972 (19.048 min): BN034742.D\data.ms (-1923) (-)



Fluoranthene

Concen: 0.043 ng

RT: 19.036 min Scan# 1968

Delta R.T. -0.012 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-50-20241030

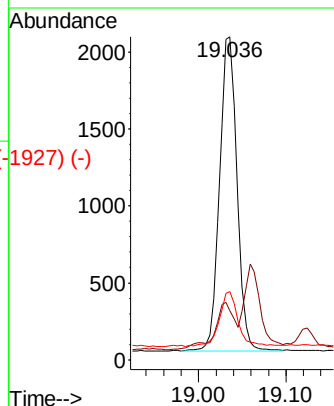
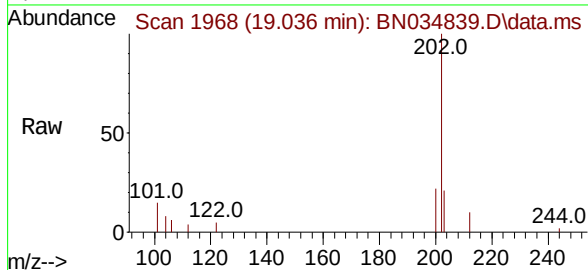
Tgt Ion:202 Resp: 2824

Ion Ratio Lower Upper

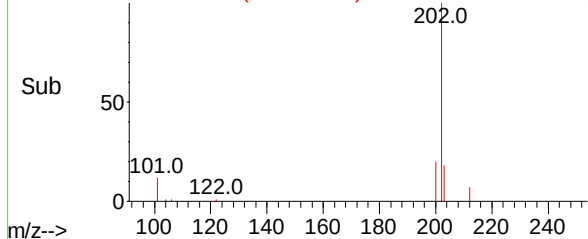
202 100

101 16.9 11.4 17.0

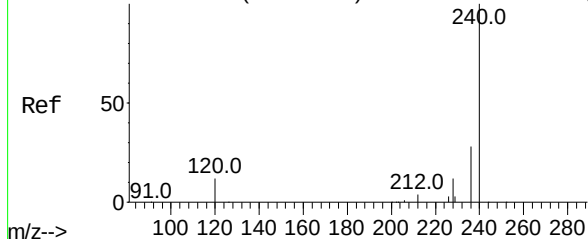
203 18.7 13.7 20.5



Abundance Scan 1968 (19.036 min): BN034839.D\data.ms (-1927) (-)



Abundance Scan 2413 (21.178 min): BN034742.D\data.ms (-2429) (-)



Chrysene-d12

Concen: 0.400 ng

RT: 21.167 min Scan# 2410

Delta R.T. -0.011 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

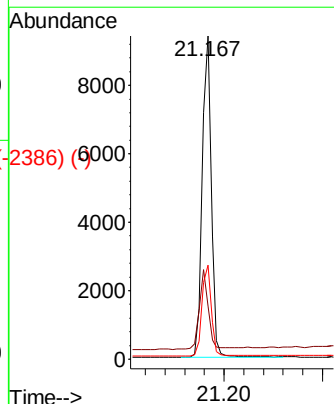
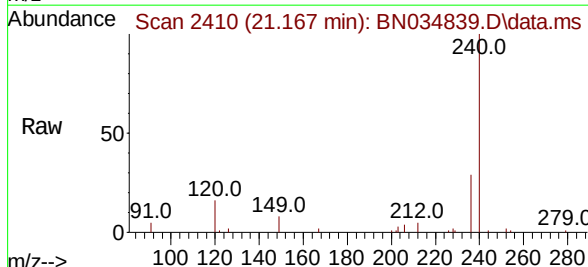
Tgt Ion:240 Resp: 12090

Ion Ratio Lower Upper

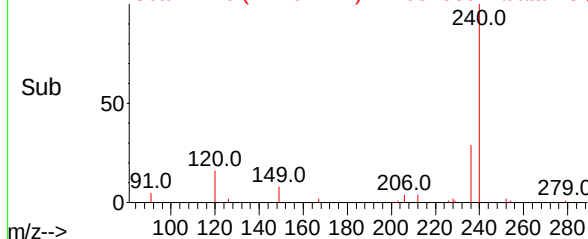
240 100

120 16.4 11.5 17.3

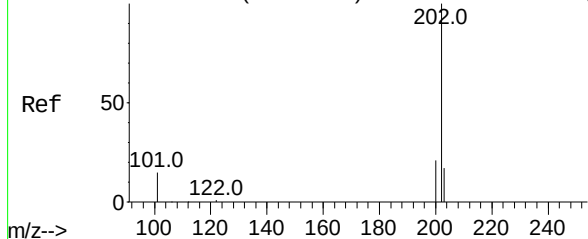
236 29.1 23.2 34.8



Abundance Scan 2410 (21.167 min): BN034839.D\data.ms (-2386) (-)



Abundance Scan 2050 (19.410 min): BN034742.D\data.ms (-2039) (-)



Pyrene

Concen: 0.030 ng

RT: 19.398 min Scan# 2050

Delta R.T. -0.012 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-50-20241030

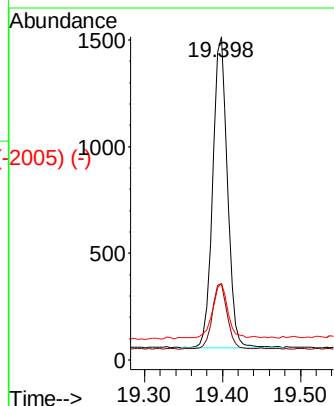
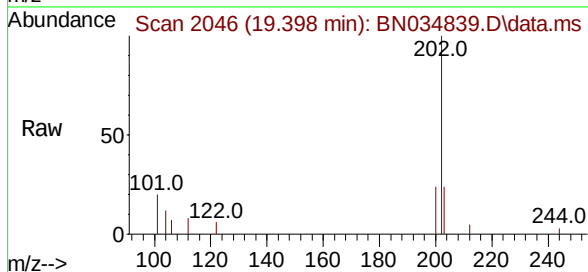
Tgt Ion:202 Resp: 1908

Ion Ratio Lower Upper

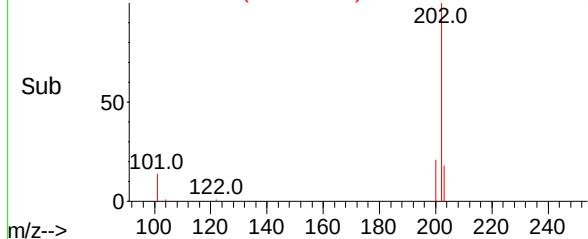
202 100

200 21.2 17.0 25.4

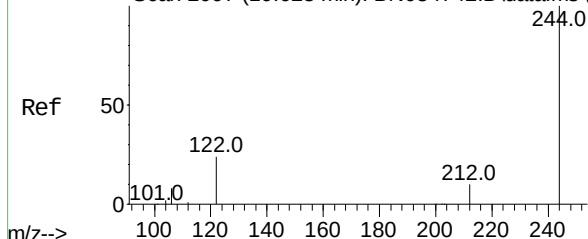
203 19.0 14.2 21.2



Abundance Scan 2046 (19.398 min): BN034839.D\data.ms (-2005) (-)



Abundance Scan 2097 (19.628 min): BN034742.D\data.ms (-2039) (-)



Terphenyl-d14

Concen: 0.491 ng

RT: 19.617 min Scan# 2093

Delta R.T. -0.012 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

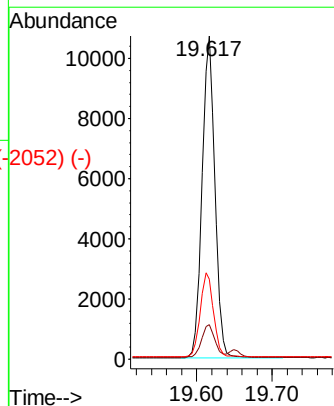
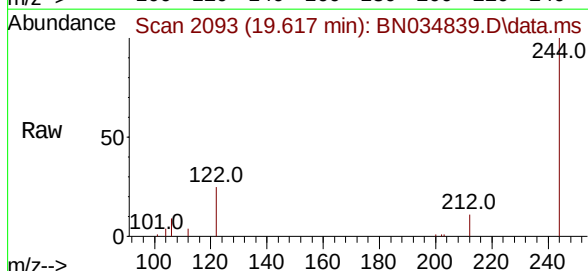
Tgt Ion:244 Resp: 12757

Ion Ratio Lower Upper

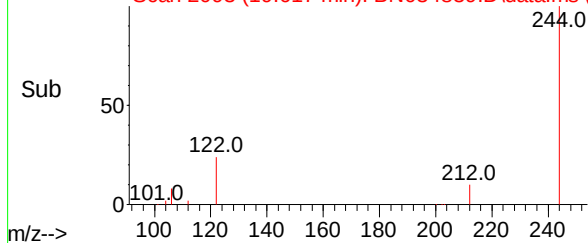
244 100

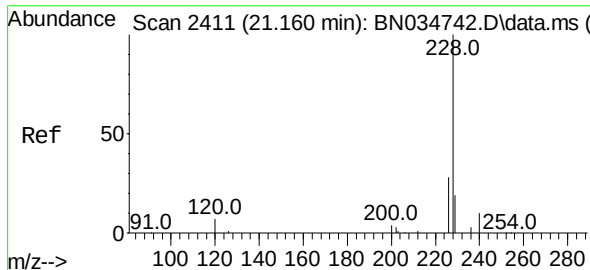
212 10.8 8.2 12.4

122 24.8 19.8 29.6



Abundance Scan 2093 (19.617 min): BN034839.D\data.ms (-2052) (-)

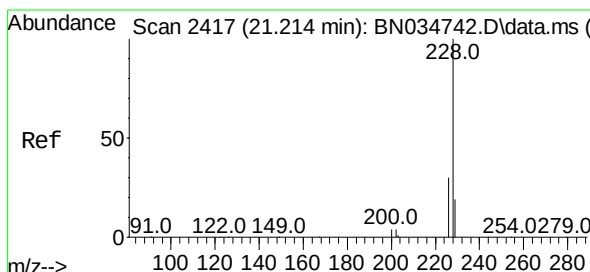
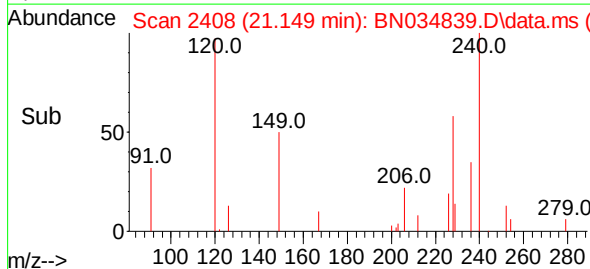
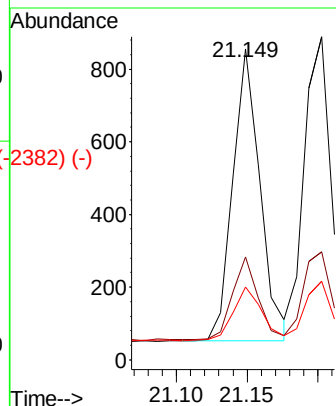
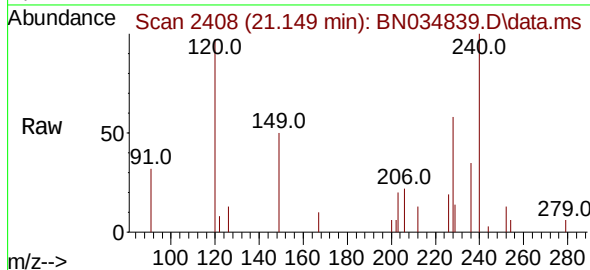




Benzo(a)anthracene
Concen: 0.022 ng
RT: 21.149 min Scan# 2408
Delta R.T. -0.011 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

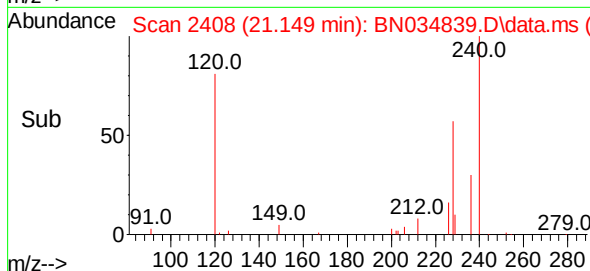
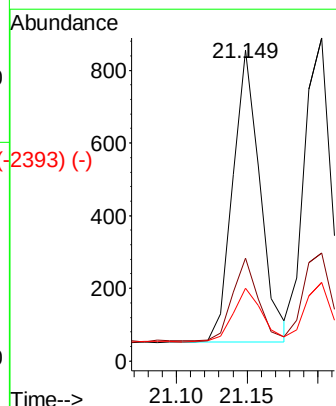
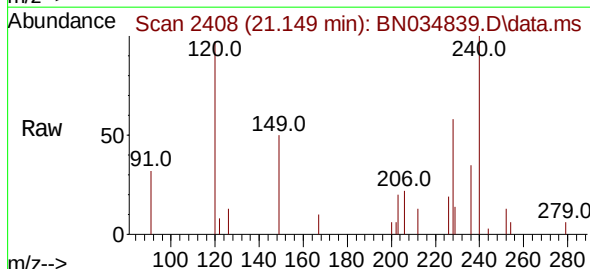
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-50-20241030

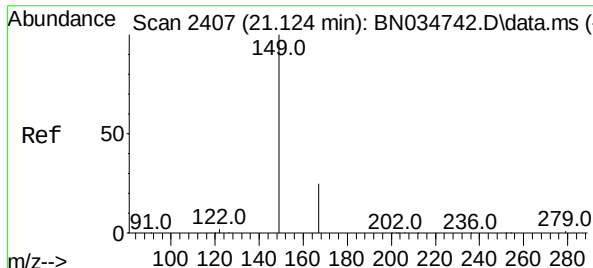
Tgt Ion:	228	Resp:	1080
Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.6	33.8
229	23.4	15.7	23.5



Chrysene
Concen: 0.023 ng
RT: 21.149 min Scan# 2408
Delta R.T. -0.065 min
Lab File: BN034839.D
Acq: 04 Nov 2024 14:55

Tgt Ion:	228	Resp:	1080
Ion	Ratio	Lower	Upper
228	100		
226	33.1	24.4	36.6
229	23.4	15.6	23.4

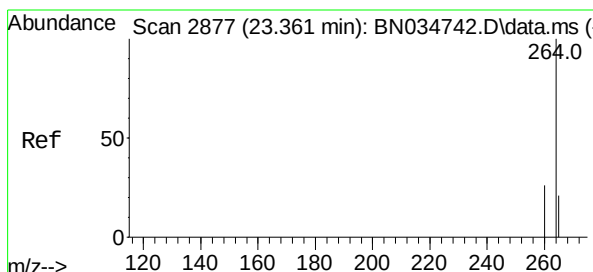
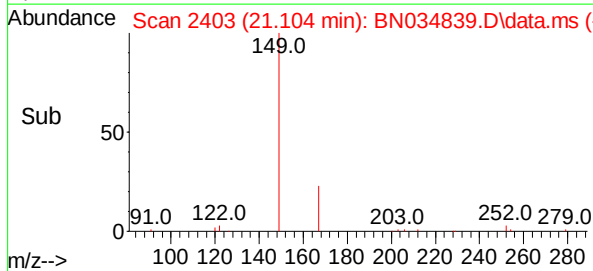
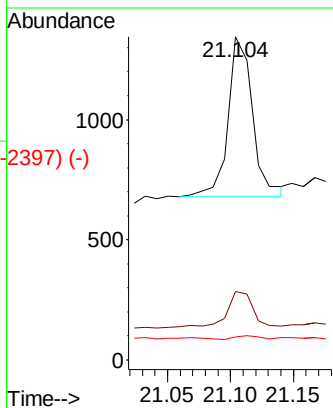
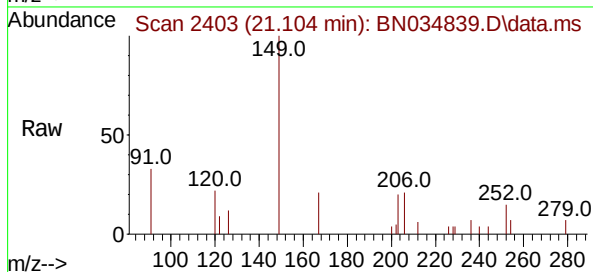




Scan 2407 (21.124 min): BN034742.D\data.ms (-2407) (-)
 Bis(2-ethylhexyl)phthalate
 Concen: 0.022 ng
 RT: 21.104 min Scan# 1
 Delta R.T. -0.020 min
 Lab File: BN034839.D
 Acq: 04 Nov 2024 14:55

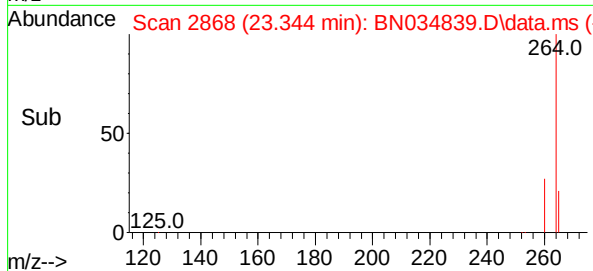
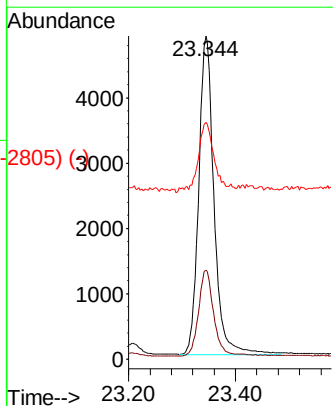
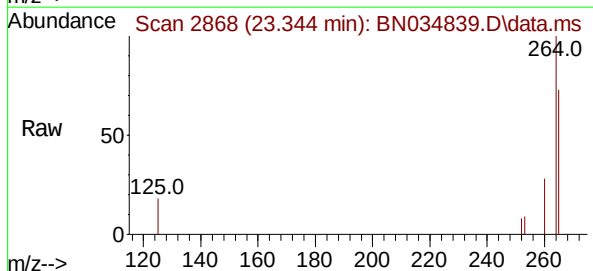
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-50-20241030

Tgt Ion:	149	Resp:	903
Ion	Ratio	Lower	Upper
149	100		
167	21.8	20.6	30.8
279	2.7	1.5	2.3#



Scan 2877 (23.361 min): BN034742.D\data.ms (-2877) (-)
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.344 min Scan# 2868
 Delta R.T. -0.017 min
 Lab File: BN034839.D
 Acq: 04 Nov 2024 14:55

Tgt Ion:	264	Resp:	9717
Ion	Ratio	Lower	Upper
264	100		
260	27.5	21.5	32.3
265	73.3	47.5	71.3#



Abundance Scan 3621 (25.536 min): BN034742.D\data.ms (-3536) (-)

Indeno(1,2,3-cd)pyrene

Concen: 0.024 ng

RT: 25.514 min Scan# 3621

Delta R.T. -0.023 min

Lab File: BN034839.D

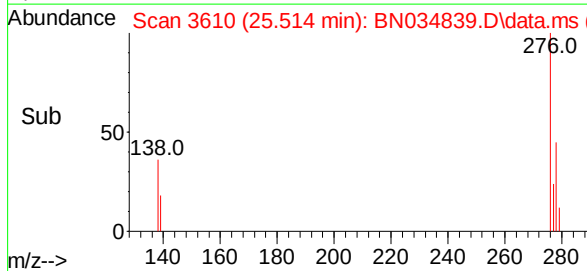
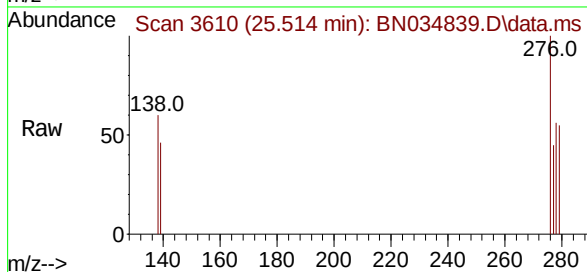
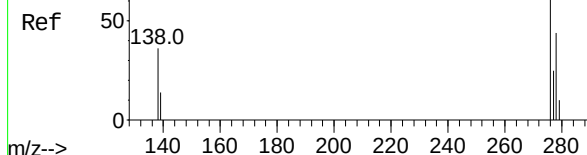
Acq: 04 Nov 2024 14:55

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-50-20241030



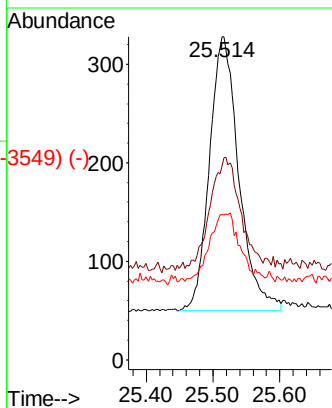
Tgt Ion:276 Resp: 846

Ion Ratio Lower Upper

276 100

138 39.8 31.5 47.3

277 24.8 19.7 29.5



Abundance Scan 2654 (22.709 min): BN034742.D\data.ms (-2647) (-)

Benzo(b)fluoranthene

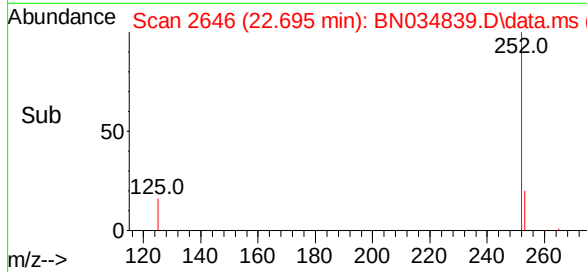
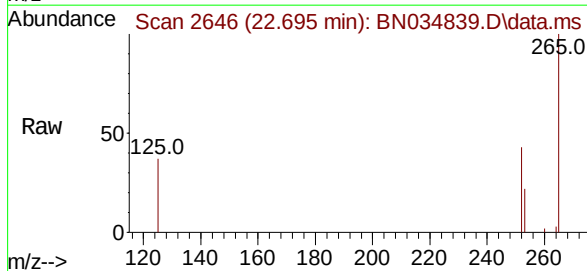
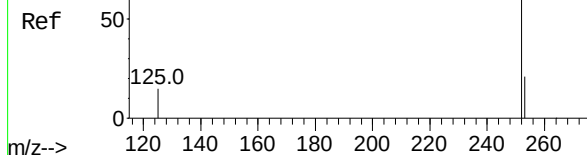
Concen: 0.031 ng

RT: 22.695 min Scan# 2646

Delta R.T. -0.014 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55



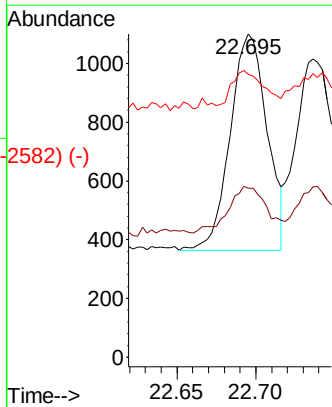
Tgt Ion:252 Resp: 1200

Ion Ratio Lower Upper

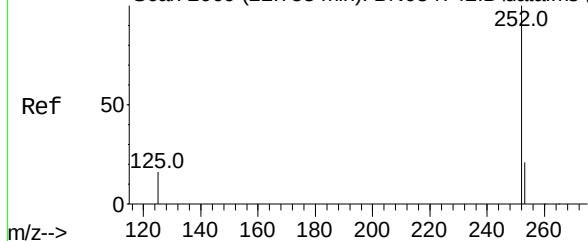
252 100

253 52.3 19.7 29.5#

125 87.5 17.1 25.7#



Abundance Scan 2669 (22.753 min): BN034742.D\data.ms (-2632) (-)



Benzo(k)fluoranthene

Concen: 0.029 ng

RT: 22.736 min Scan# 2669

Delta R.T. -0.017 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-50-20241030

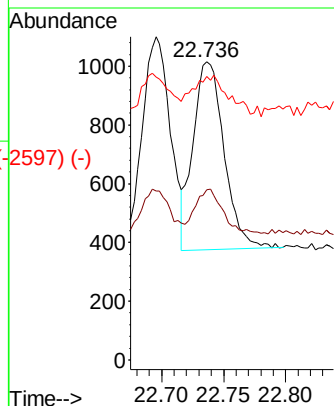
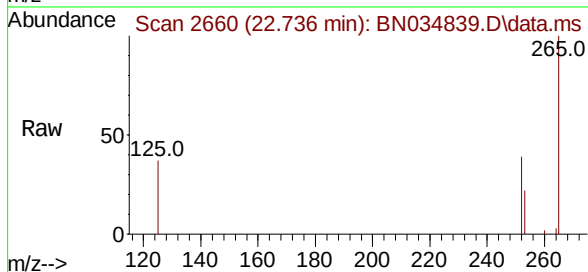
Tgt Ion:252 Resp: 1114

Ion Ratio Lower Upper

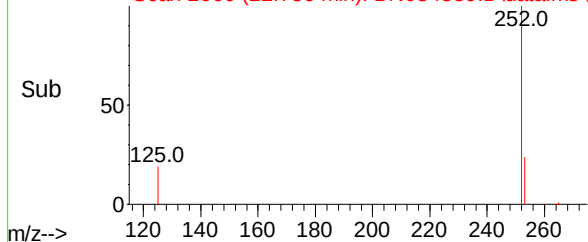
252 100

253 57.0 19.8 29.6#

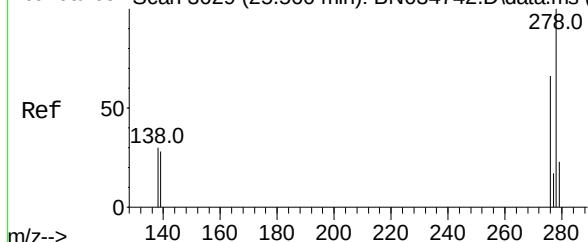
125 95.0 18.2 27.2#



Abundance Scan 2660 (22.736 min): BN034839.D\data.ms (-2597) (-)



Abundance Scan 3629 (25.560 min): BN034742.D\data.ms (-3616) (-)



Dibenzo(a,h)anthracene

Concen: 0.021 ng

RT: 25.531 min Scan# 3616

Delta R.T. -0.029 min

Lab File: BN034839.D

Acq: 04 Nov 2024 14:55

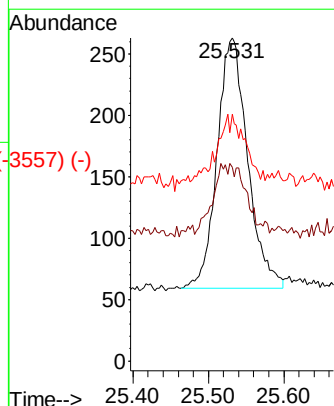
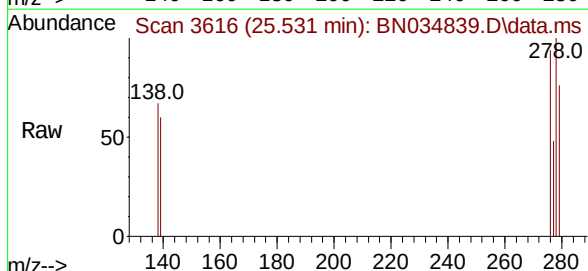
Tgt Ion:278 Resp: 575

Ion Ratio Lower Upper

278 100

139 60.1 24.9 37.3#

279 76.4 21.0 31.4#



Abundance Scan 3616 (25.531 min): BN034839.D\data.ms (-3557) (-)

