

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110424\
 Data File : BN034840.D
 Acq On : 04 Nov 2024 15:31
 Operator : RC/JU
 Sample : P4652-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP201-50-20241030

Quant Time: Nov 04 16:08:30 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)

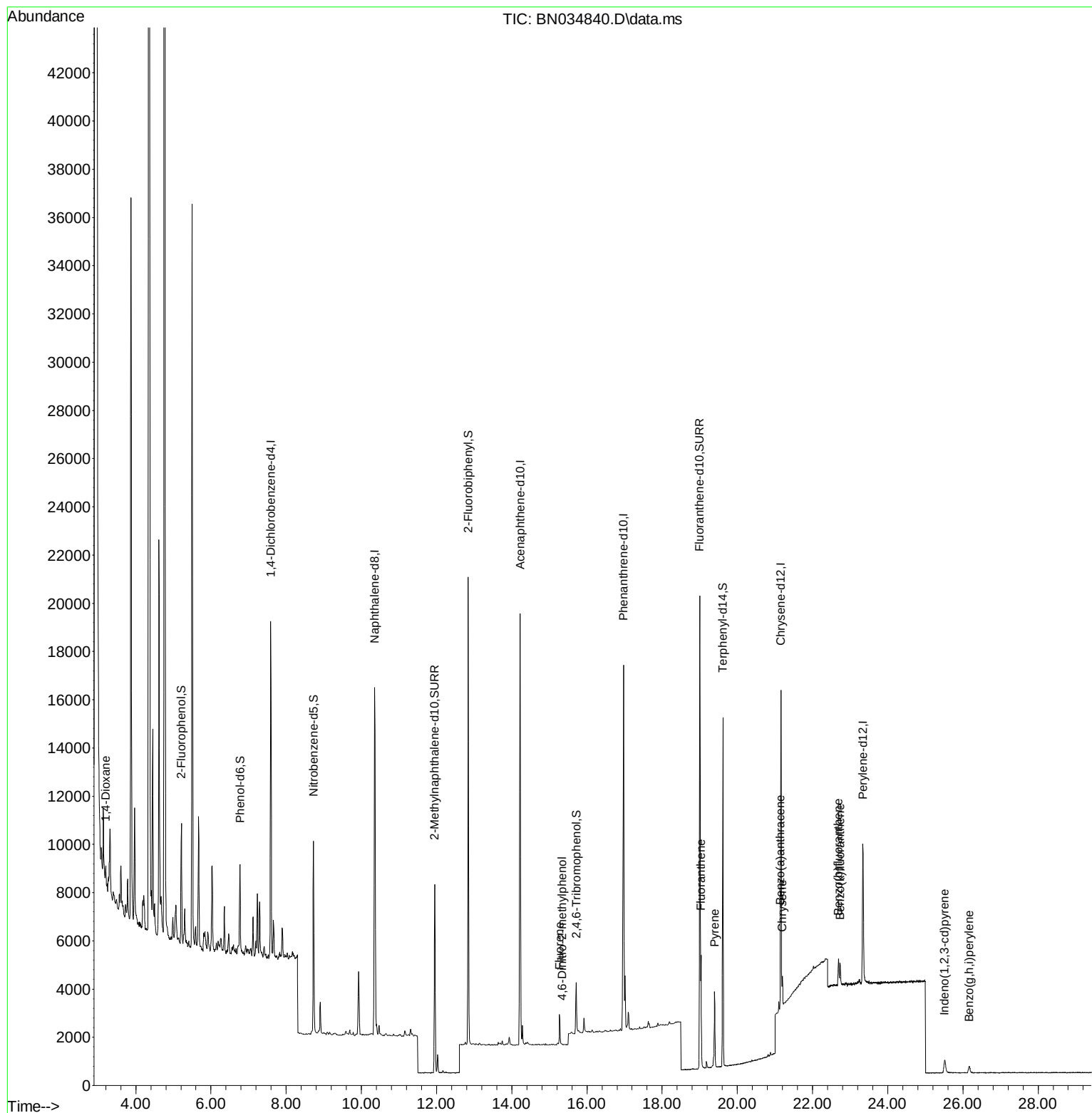
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.589	152	6345	0.400	ng	-0.01
7) Naphthalene-d8	10.351	136	18925	0.400	ng	#-0.02
13) Acenaphthene-d10	14.222	164	9397	0.400	ng	-0.01
19) Phenanthrene-d10	16.970	188	18708	0.400	ng	-0.01
29) Chrysene-d12	21.160	240	10340	0.400	ng	#-0.02
35) Perylene-d12	23.338	264	7618	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.213	112	3693	0.192	ng	0.00
5) Phenol-d6	6.773	99	3236	0.130	ng	0.00
8) Nitrobenzene-d5	8.728	82	6185	0.416	ng	-0.01
11) 2-Methylnaphthalene-d10	11.950	152	10220	0.373	ng	-0.02
14) 2,4,6-Tribromophenol	15.716	330	1154	0.249	ng	-0.01
15) 2-Fluorobiphenyl	12.843	172	16254	0.439	ng	-0.02
27) Fluoranthene-d10	19.001	212	19026	0.434	ng	-0.01
31) Terphenyl-d14	19.614	244	11843	0.533	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.198	88	455	0.065	ng	# 1
18) Fluorene	15.270	166	851	0.022	ng	# 98
20) 4,6-Dinitro-2-methylph...	15.345	198	3	0.181	ng	# 1
28) Fluoranthene	19.034	202	3736	0.062	ng	96
30) Pyrene	19.396	202	2579	0.048	ng	98
32) Benzo(a)anthracene	21.142	228	900	0.022	ng	# 89
33) Chrysene	21.196	228	921	0.023	ng	# 90
36) Indeno(1,2,3-cd)pyrene	25.513	276	750	0.027	ng	98
37) Benzo(b)fluoranthene	22.689	252	1336	0.044	ng	# 12
38) Benzo(k)fluoranthene	22.736	252	998	0.033	ng	# 2
41) Benzo(g,h,i)perylene	26.171	276	489	0.021	ng	# 38

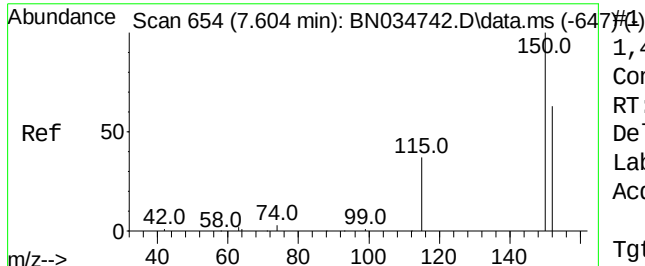
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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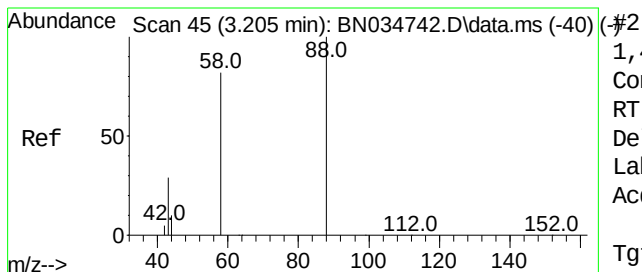
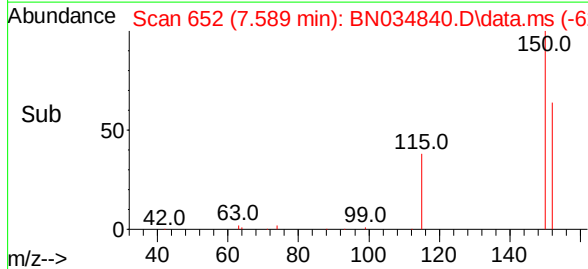
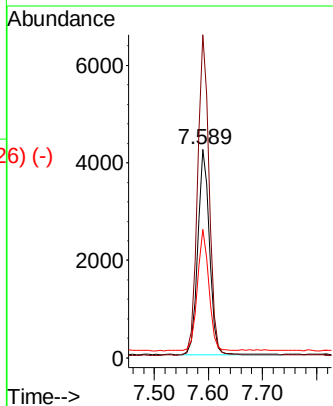
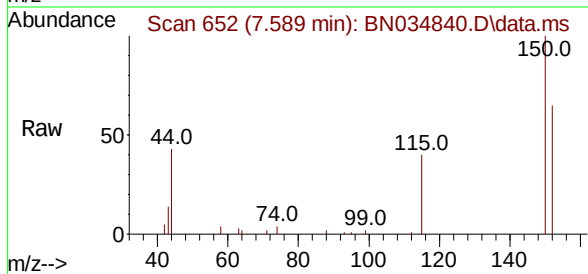




1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.589 min Scan#
 Delta R.T. -0.015 min
 Lab File: BN034840.D
 Acq: 04 Nov 2024 15:31

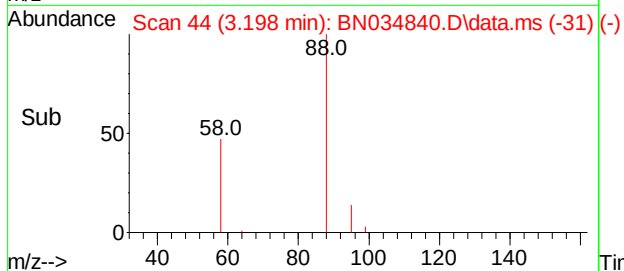
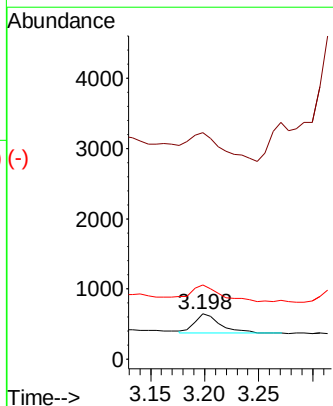
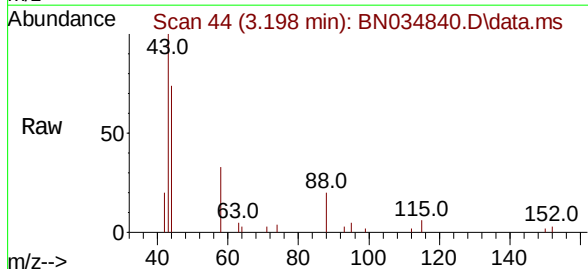
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP201-50-20241030

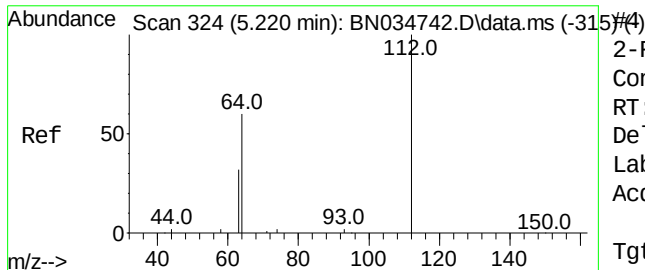
Tgt Ion:	152	Resp:	6345
Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.9	187.3
115	61.5	50.2	75.2



1,4-Dioxane
 Concen: 0.065 ng
 RT: 3.198 min Scan# 44
 Delta R.T. -0.007 min
 Lab File: BN034840.D
 Acq: 04 Nov 2024 15:31

Tgt Ion:	88	Resp:	455
Ion	Ratio	Lower	Upper
88	100		
43	187.7	26.7	40.1#
58	98.5	59.3	88.9#





2-Fluorophenol

Concen: 0.192 ng

RT: 5.213 min Scan#

Delta R.T. -0.007 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-50-20241030

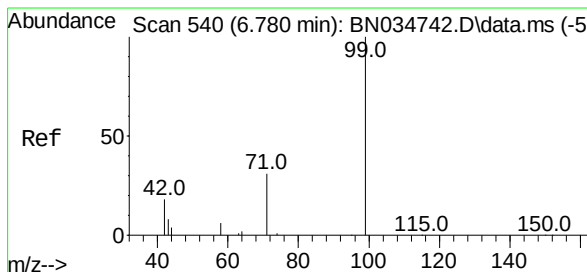
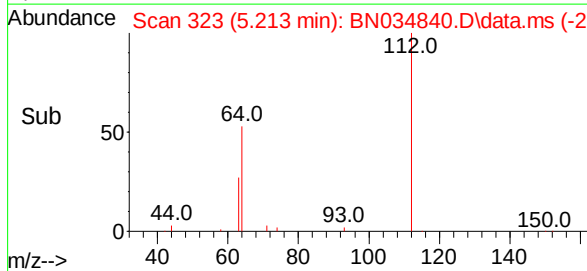
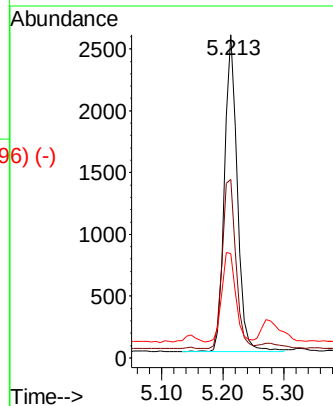
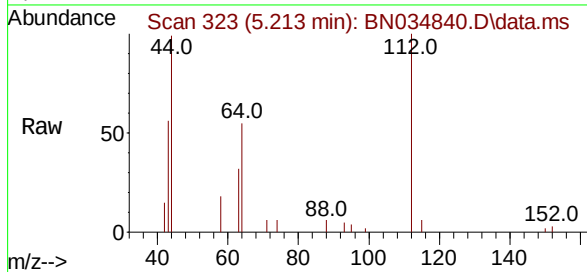
Tgt Ion:112 Resp: 3693

Ion Ratio Lower Upper

112 100

64 56.2 44.9 67.3

63 30.7 23.5 35.3



Phenol-d6

Concen: 0.130 ng

RT: 6.773 min Scan# 539

Delta R.T. -0.007 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

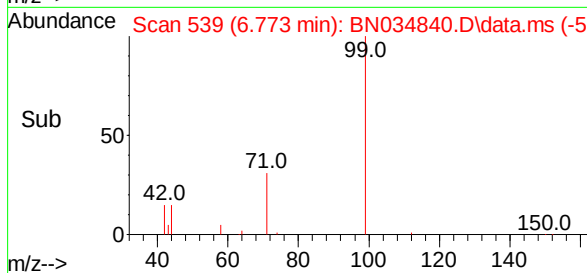
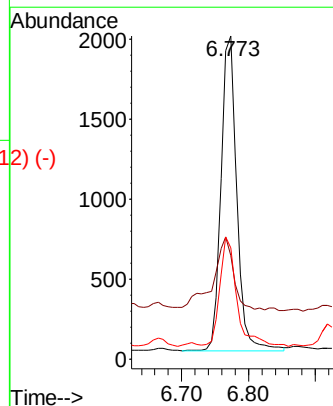
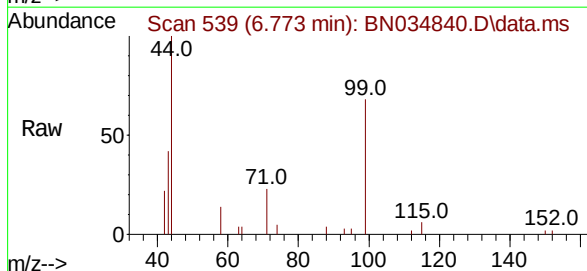
Tgt Ion: 99 Resp: 3236

Ion Ratio Lower Upper

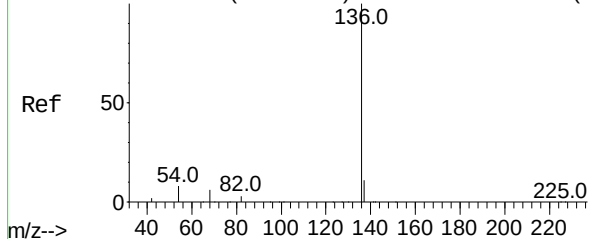
99 100

42 30.2 15.9 23.9#

71 37.6 24.3 36.5#



Abundance Scan 945 (10.372 min): BN034742.D\data.ms (-937) (-)



Naphthalene-d8

Concen: 0.400 ng

RT: 10.351 min Scan#

Delta R.T. -0.021 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-50-20241030

Tgt Ion: 136 Resp: 18925

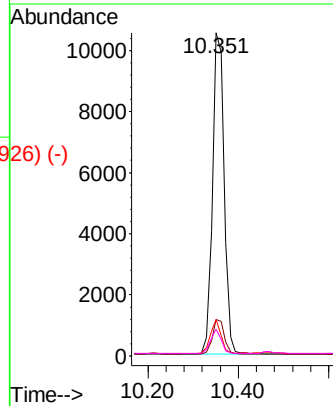
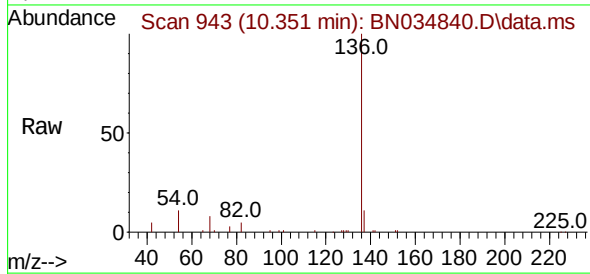
Ion Ratio Lower Upper

136 100

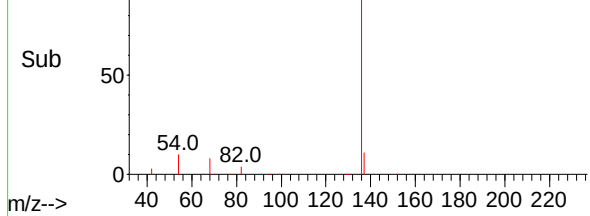
137 11.3 9.2 13.8

54 11.2 7.0 10.4#

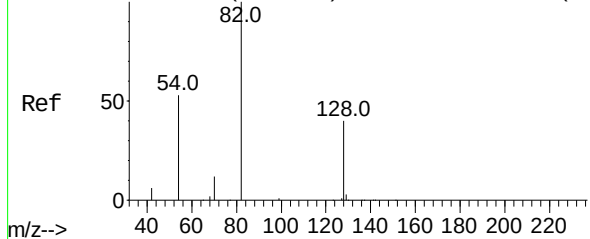
68 8.3 5.6 8.4



Abundance Scan 943 (10.351 min): BN034840.D\data.ms (-926) (-)



Abundance Scan 792 (8.739 min): BN034742.D\data.ms (-789) (-)



Nitrobenzene-d5

Concen: 0.416 ng

RT: 8.728 min Scan# 791

Delta R.T. -0.011 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

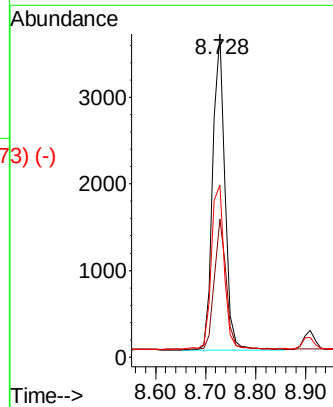
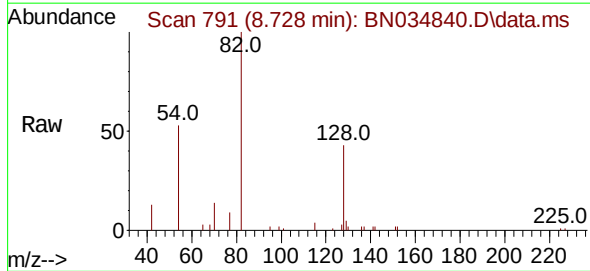
Tgt Ion: 82 Resp: 6185

Ion Ratio Lower Upper

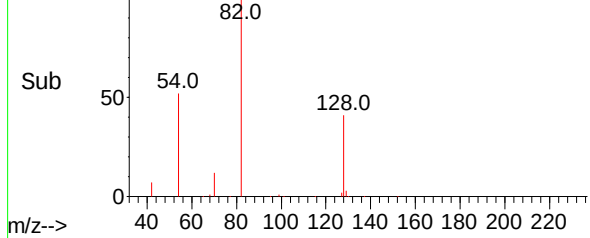
82 100

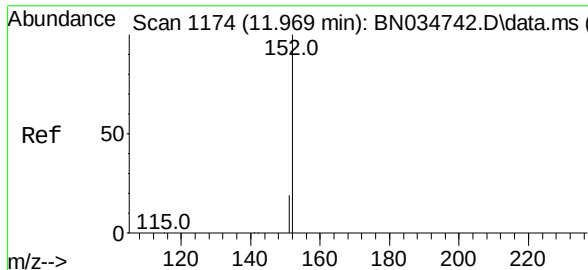
128 42.7 33.7 50.5

54 53.3 44.4 66.6



Abundance Scan 791 (8.728 min): BN034840.D\data.ms (-773) (-)

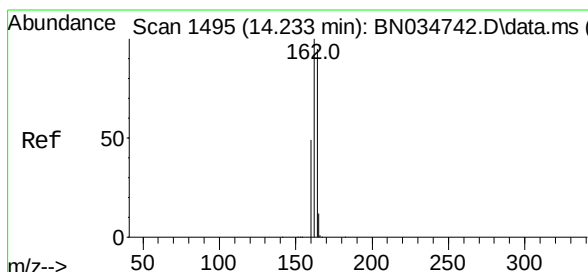
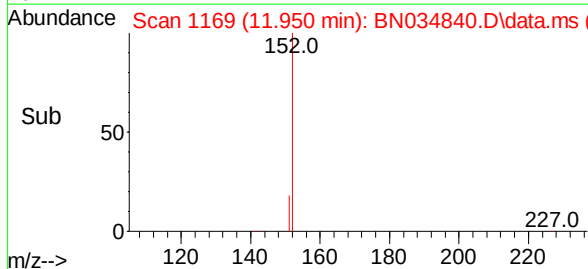
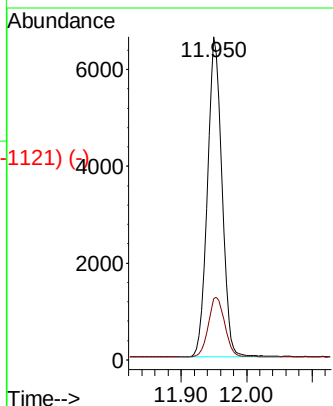
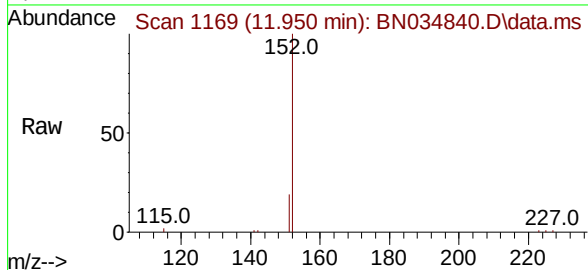




2-Methylnaphthalene-d10
 Concen: 0.373 ng
 RT: 11.950 min Scan# 1169
 Delta R.T. -0.019 min
 Lab File: BN034840.D
 Acq: 04 Nov 2024 15:31

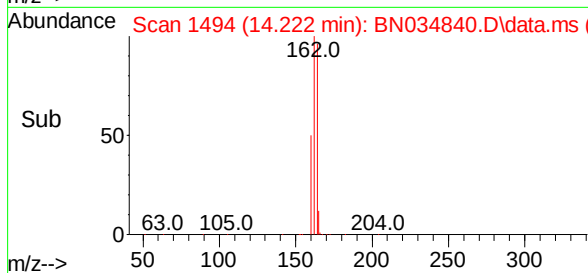
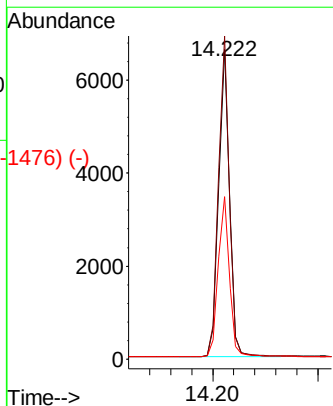
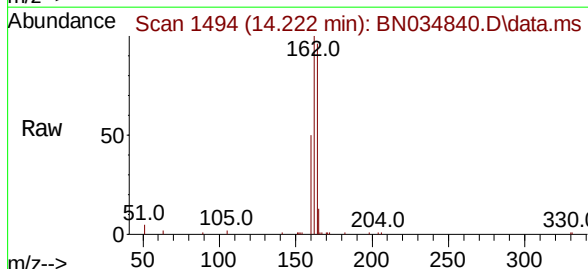
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP201-50-20241030

Tgt Ion:152 Resp: 10220
 Ion Ratio Lower Upper
 152 100
 151 21.0 16.6 24.8

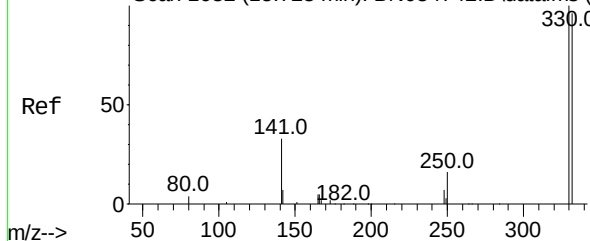


Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.222 min Scan# 1494
 Delta R.T. -0.011 min
 Lab File: BN034840.D
 Acq: 04 Nov 2024 15:31

Tgt Ion:164 Resp: 9397
 Ion Ratio Lower Upper
 164 100
 162 104.4 84.3 126.5
 160 52.4 41.7 62.5



Abundance Scan 1632 (15.728 min): BN034742.D\data.ms (-1628) (-)



2,4,6-Tribromophenol

Concen: 0.249 ng

RT: 15.716 min Scan# 1631

Delta R.T. -0.012 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-50-20241030

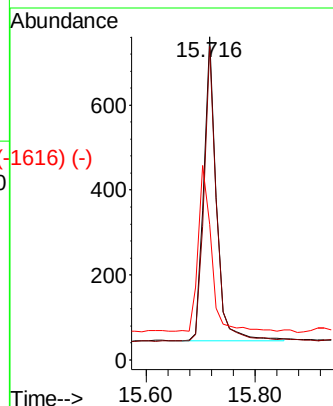
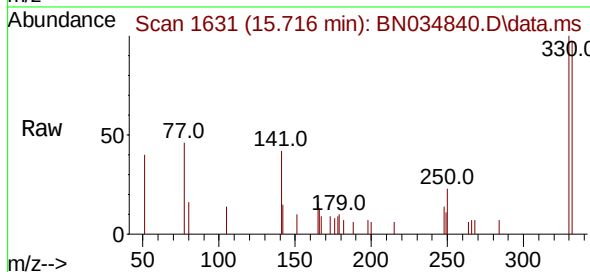
Tgt Ion:330 Resp: 1154

Ion Ratio Lower Upper

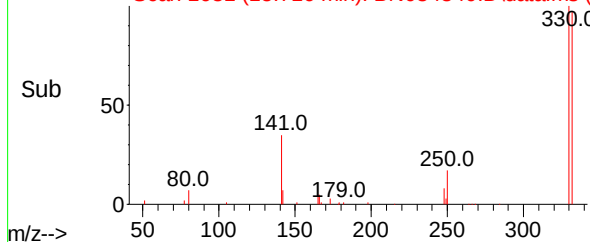
330 100

332 95.1 77.8 116.6

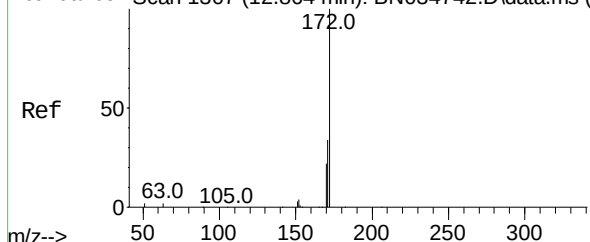
141 56.9 41.0 61.4



Abundance Scan 1631 (15.716 min): BN034840.D\data.ms (-1616) (-)



Abundance Scan 1367 (12.864 min): BN034742.D\data.ms (-1345) (-)



2-Fluorobiphenyl

Concen: 0.439 ng

RT: 12.843 min Scan# 1365

Delta R.T. -0.021 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

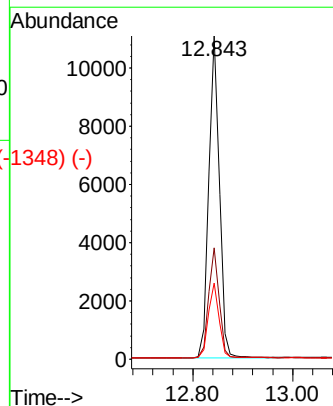
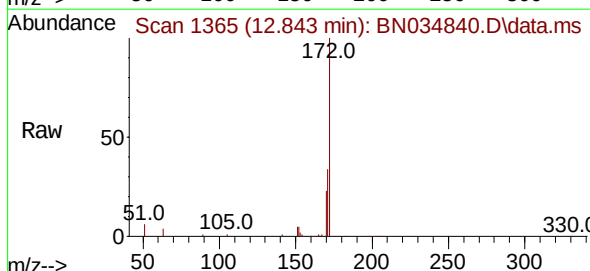
Tgt Ion:172 Resp: 16254

Ion Ratio Lower Upper

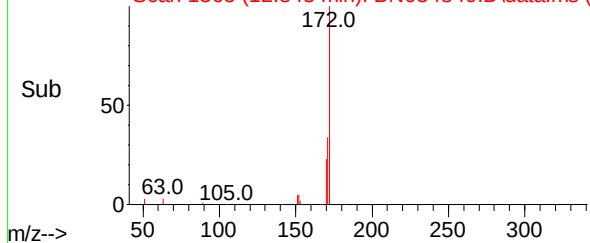
172 100

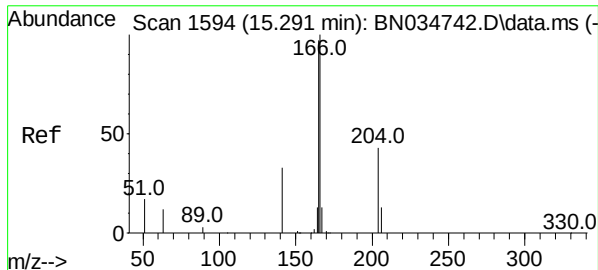
171 34.4 27.2 40.8

170 23.5 18.0 27.0



Abundance Scan 1365 (12.843 min): BN034840.D\data.ms (-1348) (-)





#18 (-)

Fluorene

Concen: 0.022 ng

RT: 15.270 min Scan# 1592

Delta R.T. -0.021 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

Instrument :

BNA_N

ClientSampleId :

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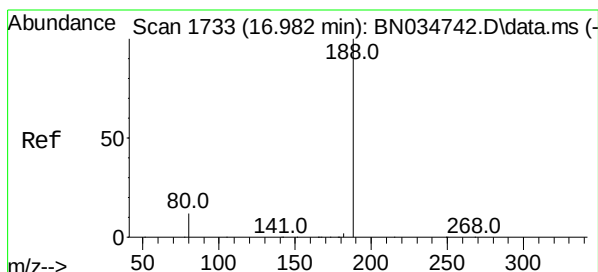
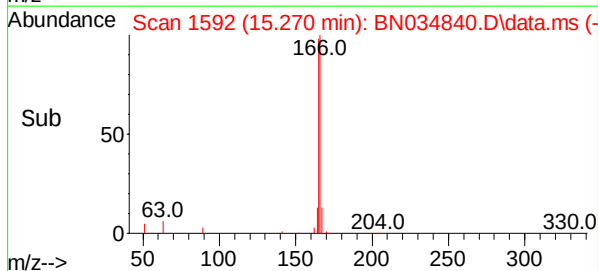
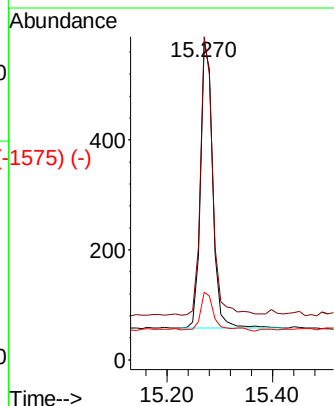
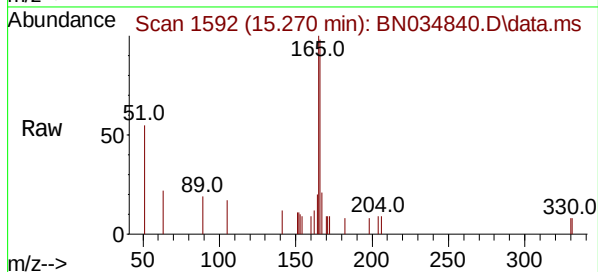
Tgt Ion:166 Resp: 851

Ion Ratio Lower Upper

166 100

165 96.6 78.5 117.7

167 16.2 10.8 16.2#



#19 (-)

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.970 min Scan# 1732

Delta R.T. -0.012 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

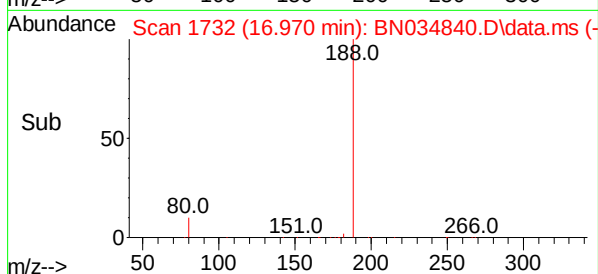
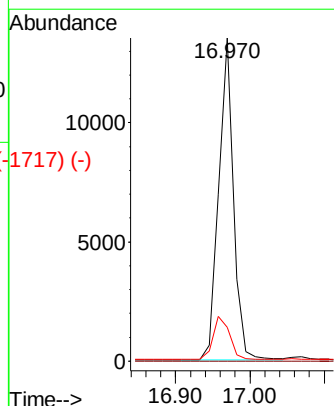
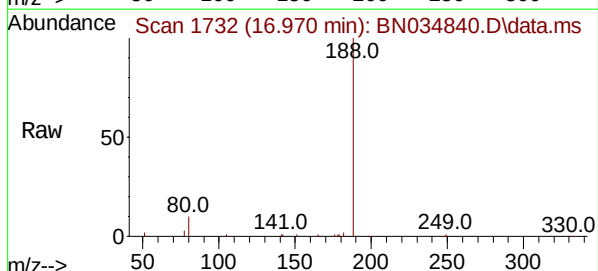
Tgt Ion:188 Resp: 18708

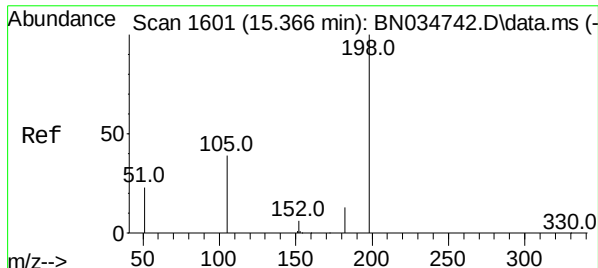
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.5 9.8 14.6

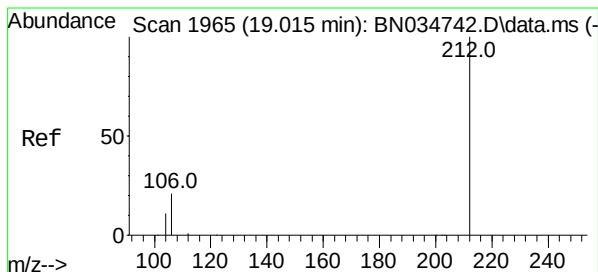
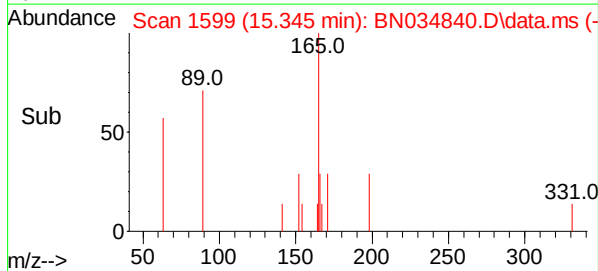
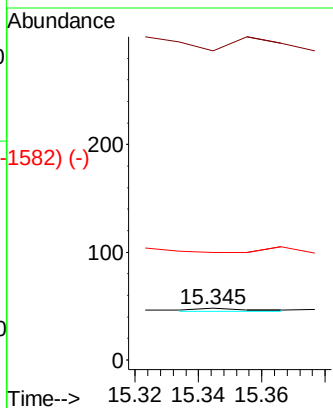
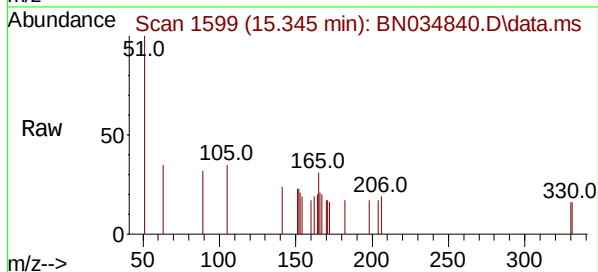




4,6-Dinitro-2-methylphenol
 Concen: 0.181 ng
 RT: 15.345 min Scan# 1599
 Delta R.T. -0.021 min
 Lab File: BN034840.D
 Acq: 04 Nov 2024 15:31

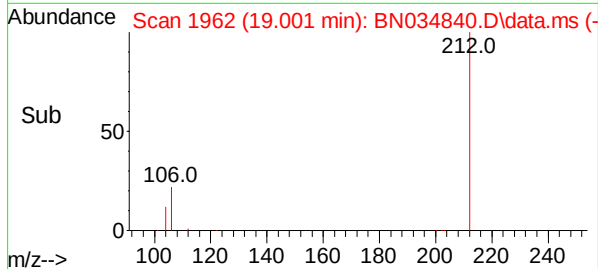
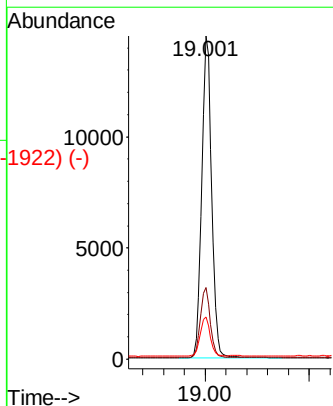
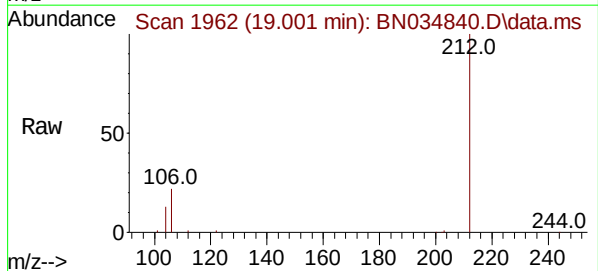
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP201-50-20241030

Tgt Ion:	198	Resp:	3
Ion	Ratio	Lower	Upper
198	100		
51	597.9	58.0	87.0#
105	208.3	49.1	73.7#

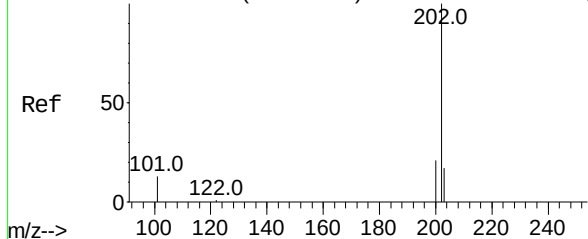


Fluoranthene-d10
 Concen: 0.434 ng
 RT: 19.001 min Scan# 1962
 Delta R.T. -0.014 min
 Lab File: BN034840.D
 Acq: 04 Nov 2024 15:31

Tgt Ion:	212	Resp:	19026
Ion	Ratio	Lower	Upper
212	100		
106	21.5	16.1	24.1
104	12.3	9.2	13.8



Abundance Scan 1972 (19.048 min): BN034742.D\data.ms (-1929) (-)



Fluoranthene

Concen: 0.062 ng

RT: 19.034 min Scan#

Delta R.T. -0.014 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-50-20241030

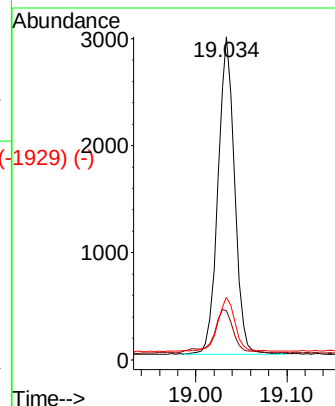
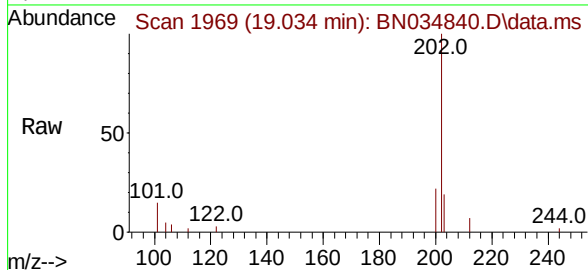
Tgt Ion:202 Resp: 3736

Ion Ratio Lower Upper

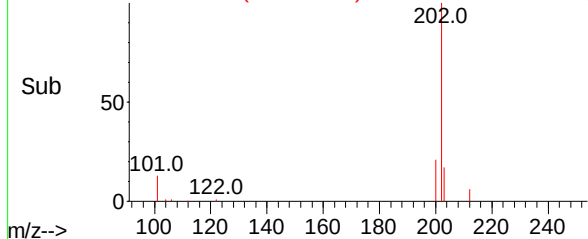
202 100

101 16.3 11.4 17.0

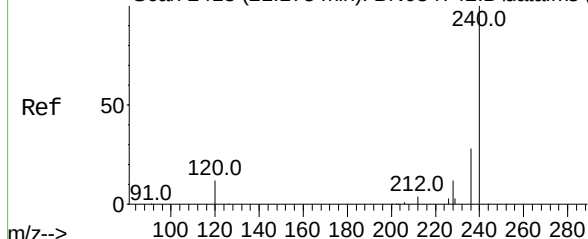
203 18.0 13.7 20.5



Abundance Scan 1969 (19.034 min): BN034840.D\data.ms (-1929) (-)



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



Chrysene-d12

Concen: 0.400 ng

RT: 21.160 min Scan# 2411

Delta R.T. -0.018 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

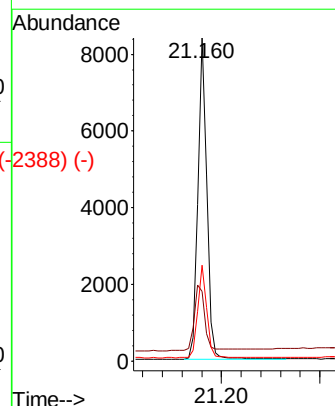
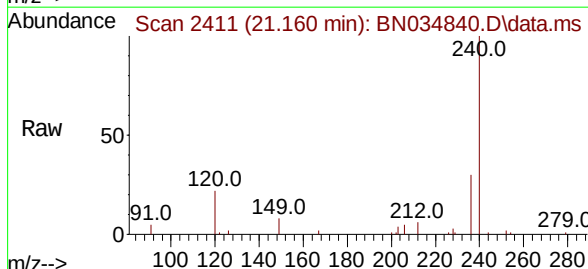
Tgt Ion:240 Resp: 10340

Ion Ratio Lower Upper

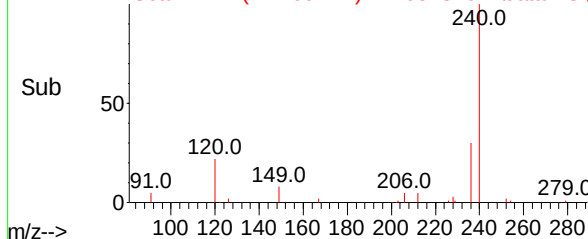
240 100

120 21.6 11.5 17.3#

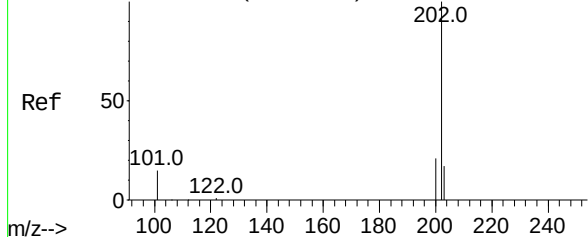
236 29.7 23.2 34.8



Abundance Scan 2411 (21.160 min): BN034840.D\data.ms (-2388) (-)



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



Pyrene

Concen: 0.048 ng

RT: 19.396 min Scan# 1

Delta R.T. -0.014 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-50-20241030

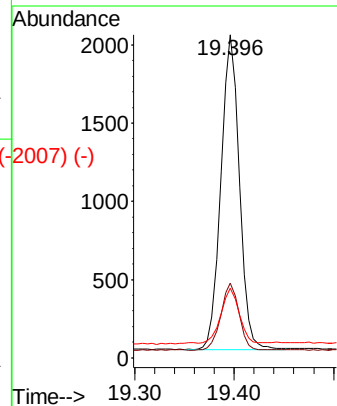
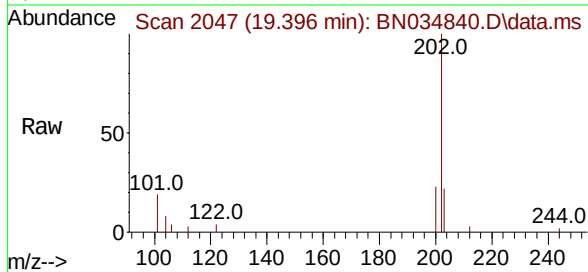
Tgt Ion:202 Resp: 2579

Ion Ratio Lower Upper

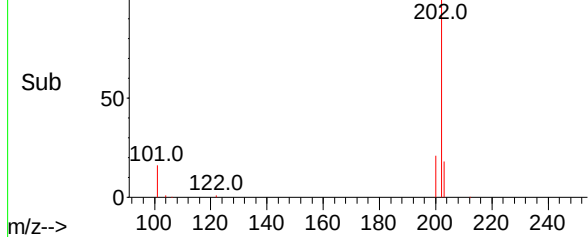
202 100

200 21.3 17.0 25.4

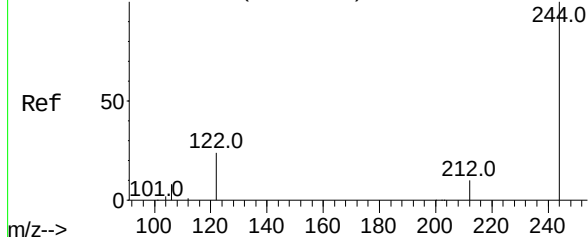
203 19.1 14.2 21.2



Abundance Scan 2047 (19.396 min): BN034840.D\data.ms (-2007) (-)



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



Terphenyl-d14

Concen: 0.533 ng

RT: 19.614 min Scan# 2094

Delta R.T. -0.014 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

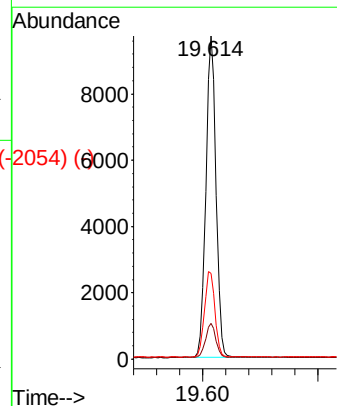
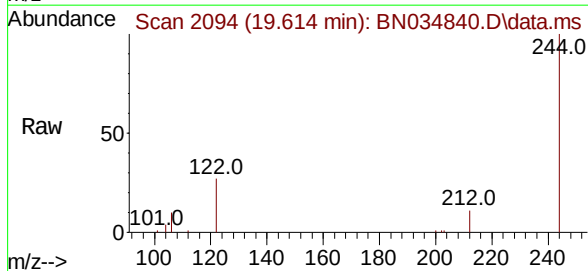
Tgt Ion:244 Resp: 11843

Ion Ratio Lower Upper

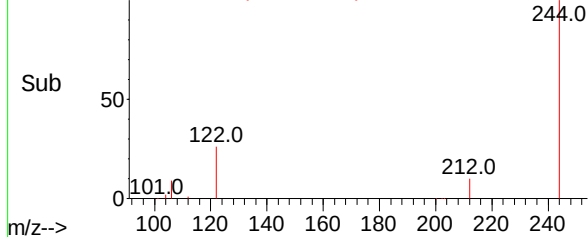
244 100

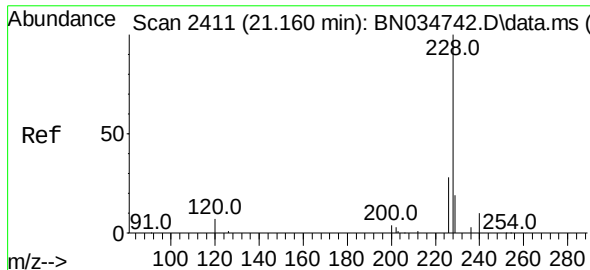
212 11.0 8.2 12.4

122 26.5 19.8 29.6



Abundance Scan 2094 (19.614 min): BN034840.D\data.ms (-2054) (-)

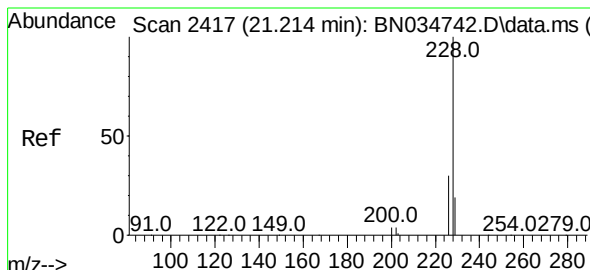
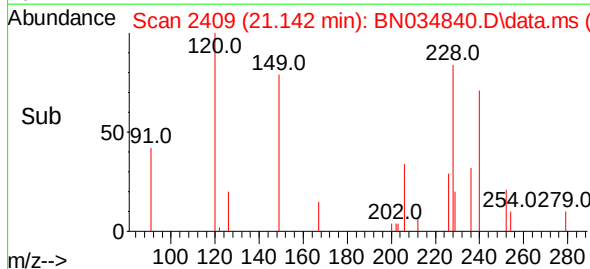
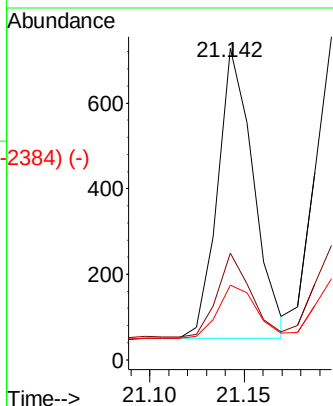
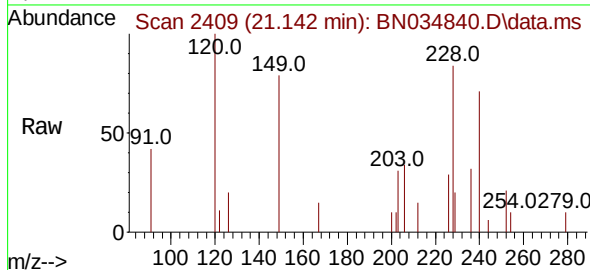




Benzo(a)anthracene
Concen: 0.022 ng
RT: 21.142 min Scan# 2409
Delta R.T. -0.018 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

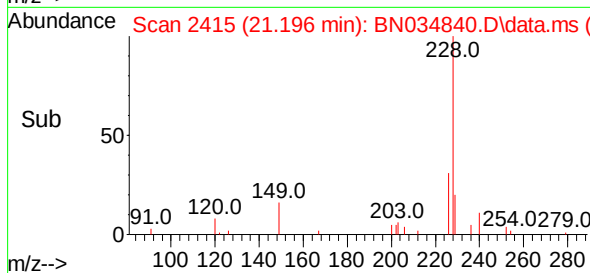
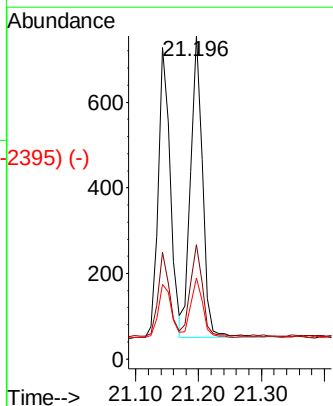
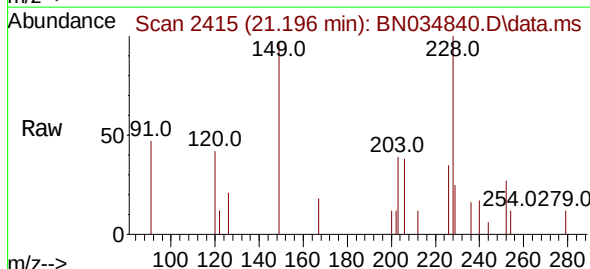
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-50-20241030

Tgt Ion:	228	Resp:	900
Ion	Ratio	Lower	Upper
228	100		
226	34.3	22.6	33.8#
229	24.0	15.7	23.5#



Chrysene
Concen: 0.023 ng
RT: 21.196 min Scan# 2415
Delta R.T. -0.018 min
Lab File: BN034840.D
Acq: 04 Nov 2024 15:31

Tgt Ion:	228	Resp:	921
Ion	Ratio	Lower	Upper
228	100		
226	35.4	24.4	36.6
229	25.0	15.6	23.4#



Abundance Scan 2877 (23.361 min): BN034742.D\data.ms (-2877) (-)

Perylene-d12

Concen: 0.400 ng

RT: 23.338 min Scan# 1

Delta R.T. -0.023 min

Lab File: BN034840.D

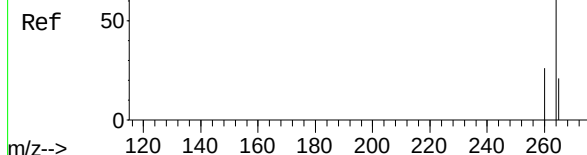
Acq: 04 Nov 2024 15:31

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-50-20241030



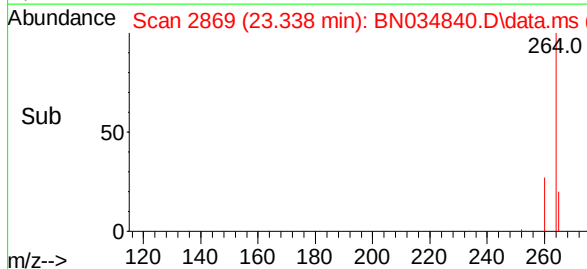
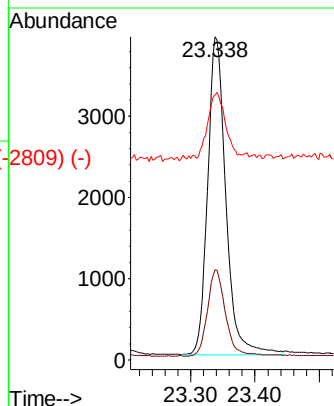
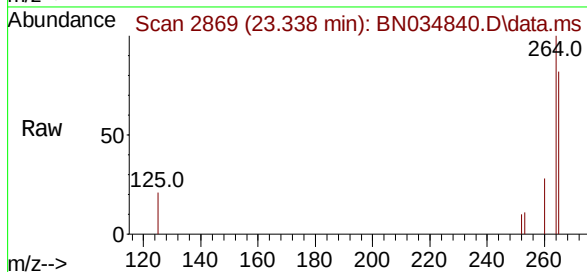
Tgt Ion:264 Resp: 7618

Ion Ratio Lower Upper

264 100

260 28.0 21.5 32.3

265 82.1 47.5 71.3#



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

Indeno(1,2,3-cd)pyrene

Concen: 0.027 ng

RT: 25.513 min Scan# 3613

Delta R.T. -0.023 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

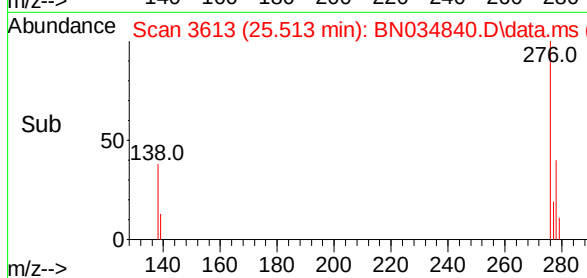
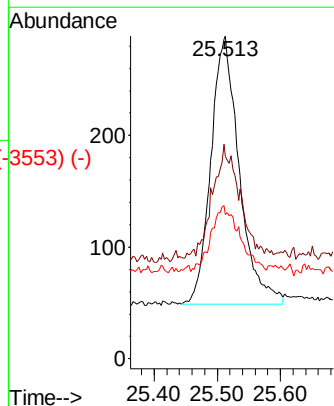
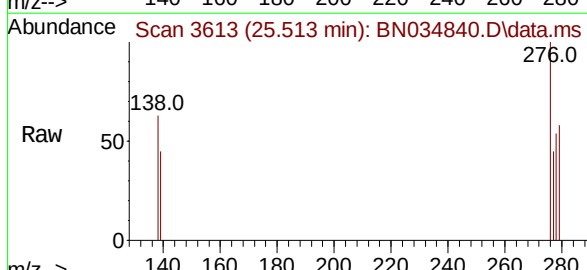
Tgt Ion:276 Resp: 750

Ion Ratio Lower Upper

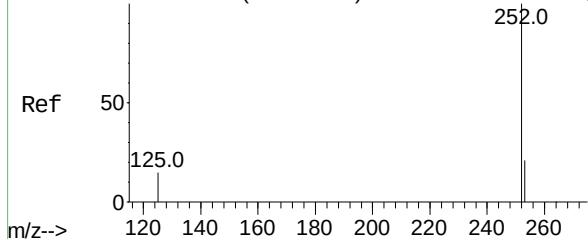
276 100

138 40.8 31.5 47.3

277 24.3 19.7 29.5



Abundance Scan 2654 (22.709 min): BN034742.D\data.ms (-2587) (-)



Benzo(b)fluoranthene

Concen: 0.044 ng

RT: 22.689 min Scan# 2647

Delta R.T. -0.020 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-50-20241030

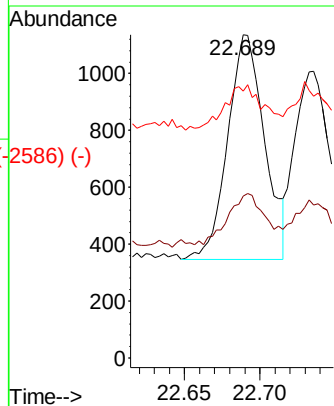
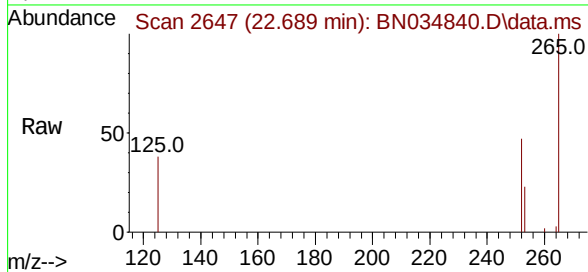
Tgt Ion:252 Resp: 1336

Ion Ratio Lower Upper

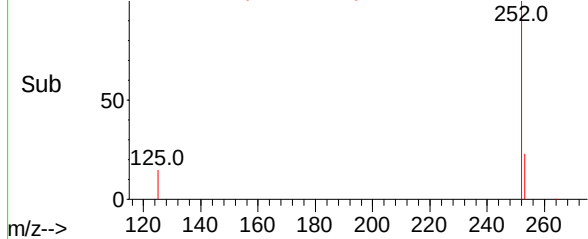
252 100

253 50.2 19.7 29.5#

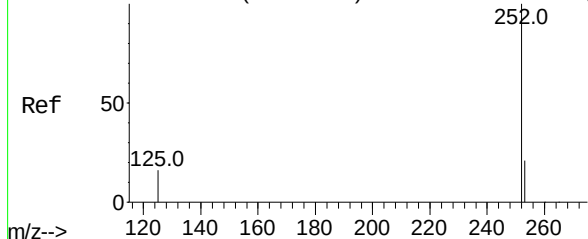
125 82.7 17.1 25.7#



Abundance Scan 2647 (22.689 min): BN034840.D\data.ms (-2586) (-)



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



Benzo(k)fluoranthene

Concen: 0.033 ng

RT: 22.736 min Scan# 2663

Delta R.T. -0.018 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

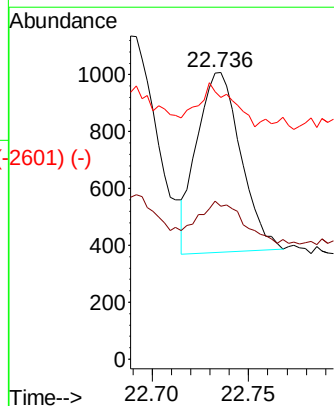
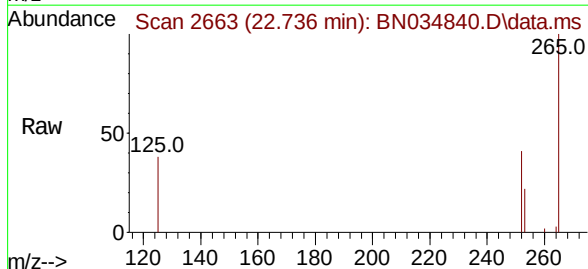
Tgt Ion:252 Resp: 998

Ion Ratio Lower Upper

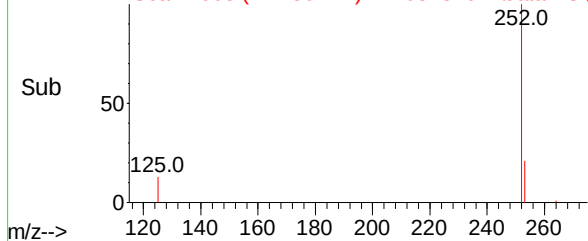
252 100

253 53.3 19.8 29.6#

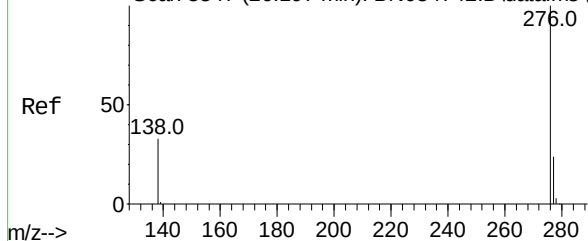
125 91.4 18.2 27.2#



Abundance Scan 2663 (22.736 min): BN034840.D\data.ms (-2601) (-)



Abundance Scan 3847 (26.197 min): BN034742.D\data.ms (-3620) (-)



Benzo(g,h,i)perylene

Concen: 0.021 ng

RT: 26.171 min Scan#

Delta R.T. -0.026 min

Lab File: BN034840.D

Acq: 04 Nov 2024 15:31

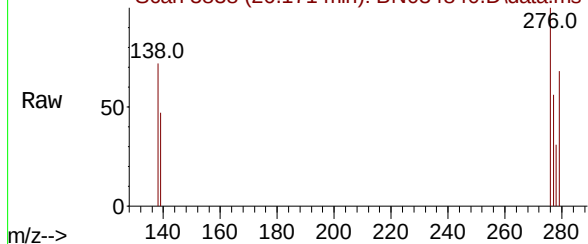
Instrument :

BNA_N

ClientSampleId :

RW5-SP201-50-20241030

Abundance Scan 3838 (26.171 min): BN034840.D\data.ms



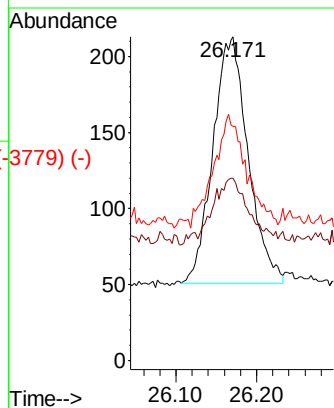
Tgt Ion:276 Resp: 489

Ion Ratio Lower Upper

276 100

277 56.3 20.2 30.2#

138 72.3 28.7 43.1#



Abundance Scan 3838 (26.171 min): BN034840.D\data.ms (-3779) (-)

