

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081724\
 Data File : BN033453.D
 Acq On : 17 Aug 2024 05:26
 Operator : MA/JU
 Sample : P3580-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 925-K1-SD-0-0.5-081224

Quant Time: Aug 17 06:30:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 16 04:44:11 2024
 Response via : Initial Calibration

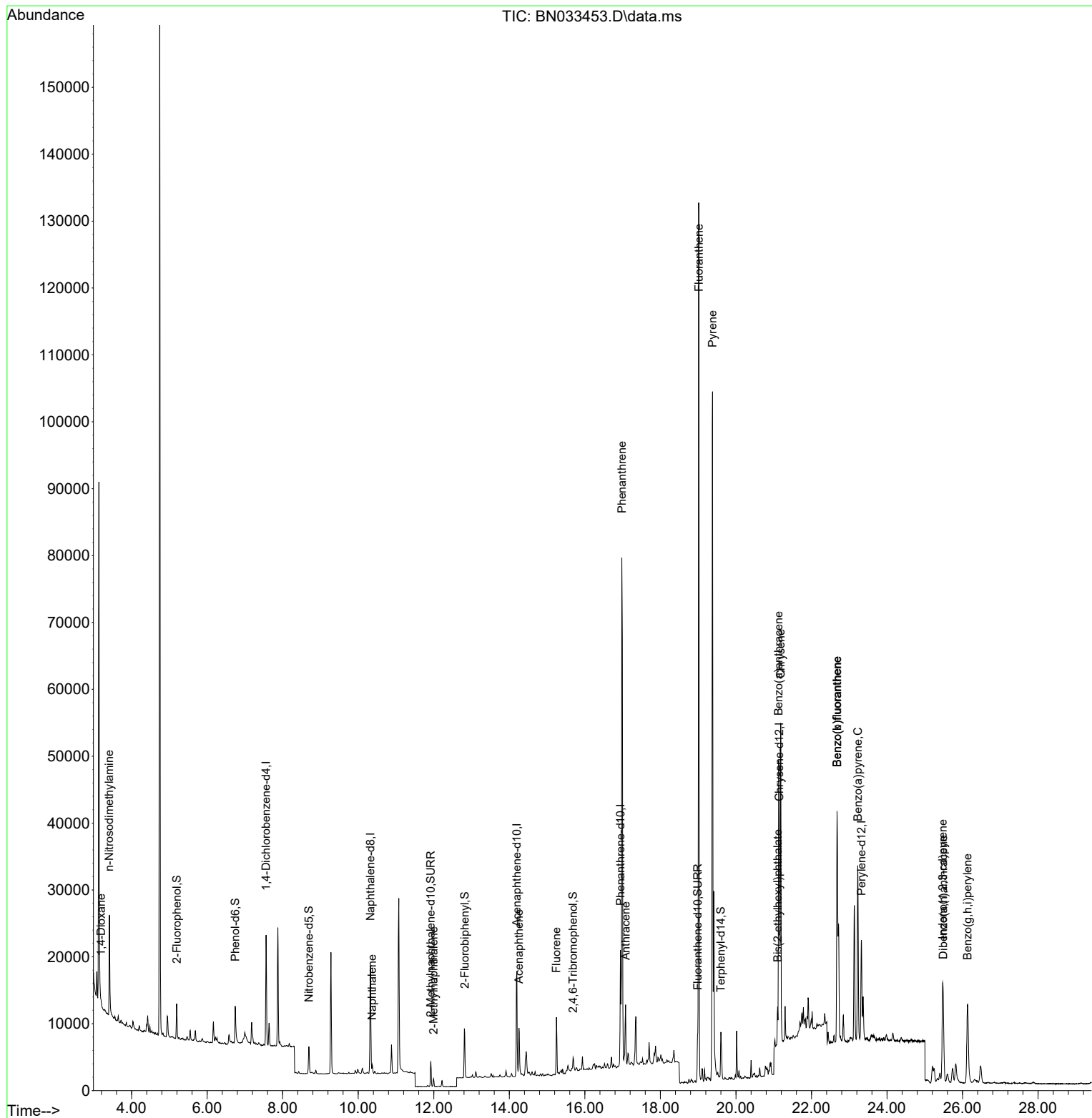
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.559	152	7438	0.400	ng	-0.01
7) Naphthalene-d8	10.325	136	20443	0.400	ng	#-0.01
13) Acenaphthene-d10	14.199	164	10135	0.400	ng	0.00
19) Phenanthrene-d10	16.942	188	21620	0.400	ng	-0.01
29) Chrysene-d12	21.148	240	17248	0.400	ng	0.00
35) Perylene-d12	23.320	264	18599	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.198	112	3838	0.187	ng	0.00
5) Phenol-d6	6.743	99	4550	0.164	ng	0.00
8) Nitrobenzene-d5	8.691	82	3093	0.201	ng	-0.01
11) 2-Methylnaphthalene-d10	11.918	152	4901	0.156	ng	-0.01
14) 2,4,6-Tribromophenol	15.688	330	766	0.147	ng	-0.01
15) 2-Fluorobiphenyl	12.820	172	6684	0.161	ng	0.00
27) Fluoranthene-d10	18.984	212	7444	0.129	ng	0.00
31) Terphenyl-d14	19.597	244	5355	0.164	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.190	88	291	0.035	ng	# 77
3) n-Nitrosodimethylamine	3.407	42	2342	0.220	ng	# 1
9) Naphthalene	10.368	128	1682	0.030	ng	# 84
12) 2-Methylnaphthalene	11.994	142	808	0.021	ng	# 82
17) Acenaphthene	14.253	154	3903	0.120	ng	98
18) Fluorene	15.247	166	5466	0.128	ng	99
25) Phenanthrene	16.979	178	85021	1.361	ng	100
26) Anthracene	17.078	178	9398	0.170	ng	# 91
28) Fluoranthene	19.017	202	113645	1.478	ng	100
30) Pyrene	19.379	202	92347	1.345	ng	# 96
32) Benzo(a)anthracene	21.130	228	35970	0.558	ng	99
33) Chrysene	21.184	228	39847	0.614	ng	97
34) Bis(2-ethylhexyl)phtha...	21.104	149	4305	0.147	ng	97
36) Indeno(1,2,3-cd)pyrene	25.472	276	23136	0.301	ng	94
37) Benzo(b)fluoranthene	22.677	252	53375	0.763	ng	95
38) Benzo(k)fluoranthene	22.677	252	53375	0.747	ng	95
39) Benzo(a)pyrene	23.224	252	33333	0.565	ng	94
40) Dibenzo(a,h)anthracene	25.490	278	5303	0.087	ng	# 71
41) Benzo(g,h,i)perylene	26.133	276	23527	0.350	ng	99

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

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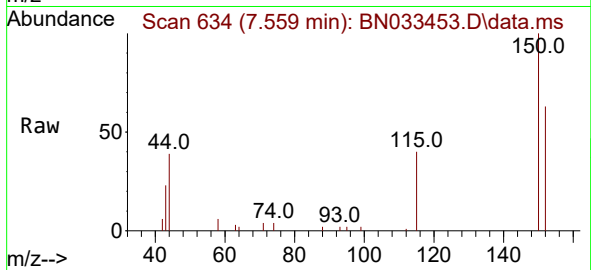
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 16 04:44:11 2024
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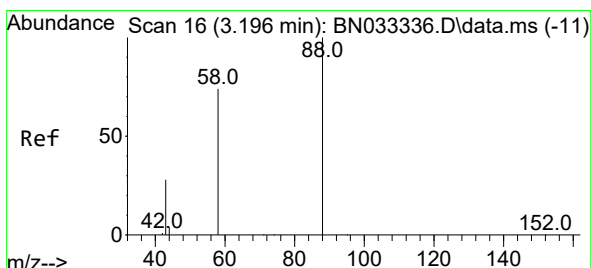
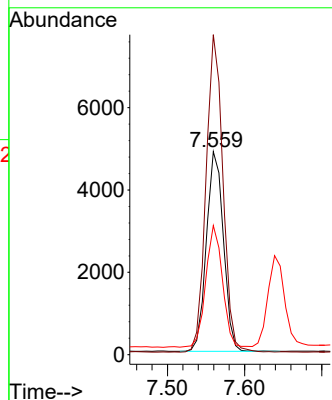
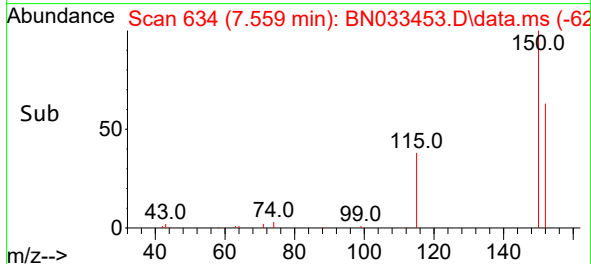


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.559 min Scan# 61
Delta R.T. -0.015 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

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BNA_N
ClientSampleId :
925-K1-SD-0-0.5-081224

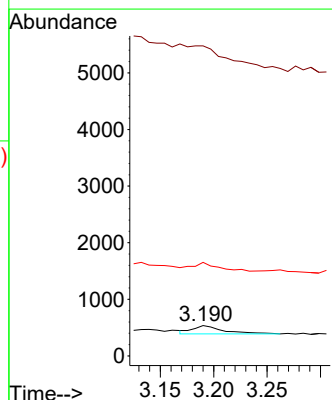
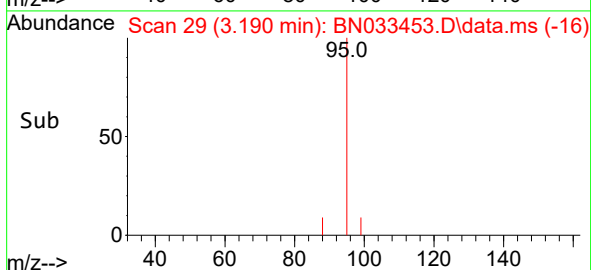
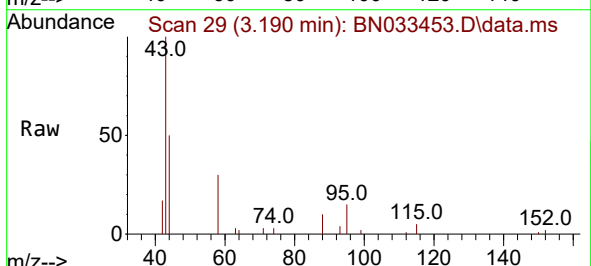


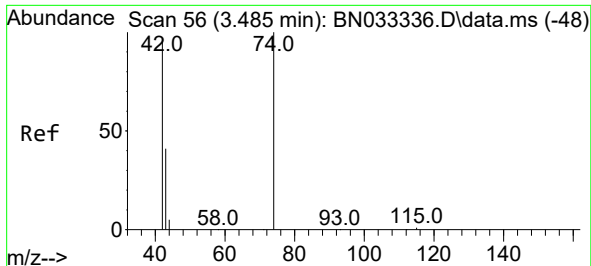
Tgt Ion:152 Resp: 7438
Ion Ratio Lower Upper
152 100
150 157.6 122.3 183.5
115 63.6 48.8 73.2



#2
1,4-Dioxane
Concen: 0.035 ng
RT: 3.190 min Scan# 29
Delta R.T. -0.007 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

Tgt Ion: 88 Resp: 291
Ion Ratio Lower Upper
88 100
43 0.0 30.6 46.0#
58 83.8 64.5 96.7

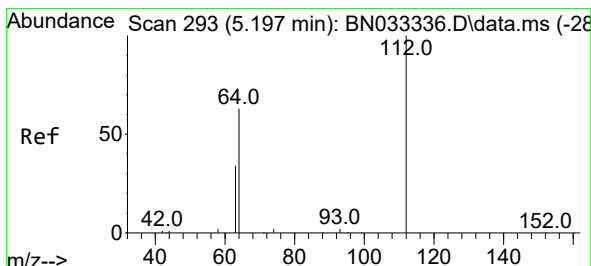
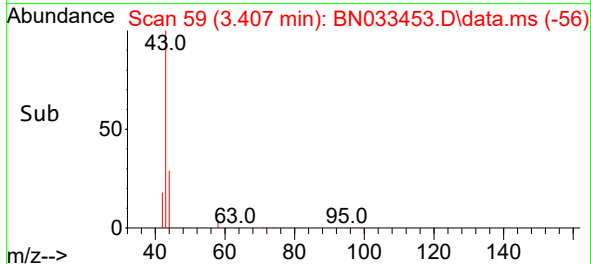
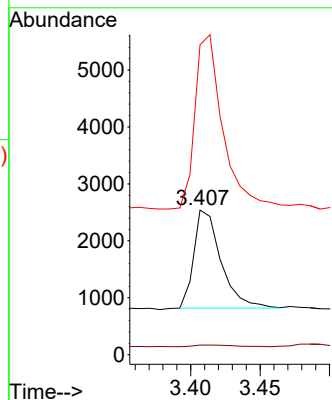
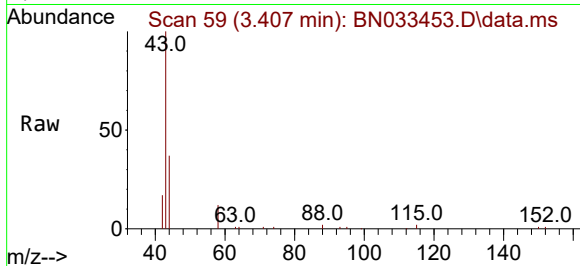




#3
n-Nitrosodimethylamine
Concen: 0.220 ng
RT: 3.407 min Scan# 51
Delta R.T. -0.079 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

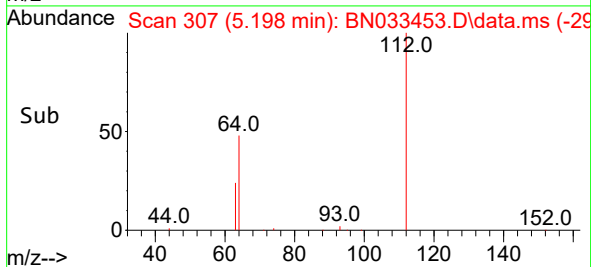
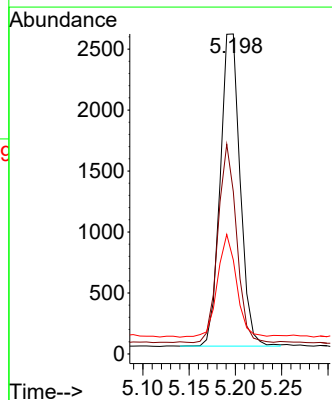
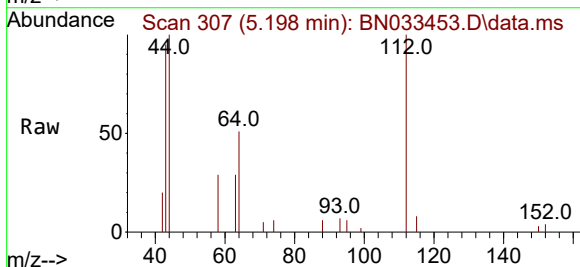
Instrument :
BNA_N
ClientSampleId :
925-K1-SD-0-0.5-081224

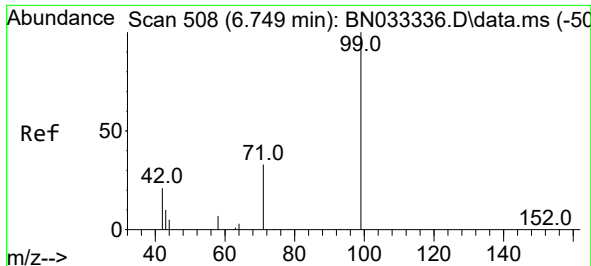
Tgt Ion: 42 Resp: 2342
Ion Ratio Lower Upper
42 100
74 2.5 89.0 133.6#
44 191.6 11.0 16.4#



#4
2-Fluorophenol
Concen: 0.187 ng
RT: 5.198 min Scan# 307
Delta R.T. 0.000 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

Tgt Ion: 112 Resp: 3838
Ion Ratio Lower Upper
112 100
64 59.1 48.1 72.1
63 31.3 25.4 38.2

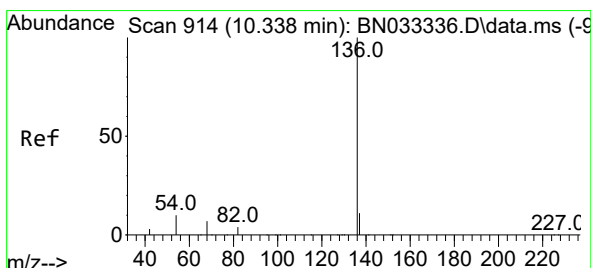
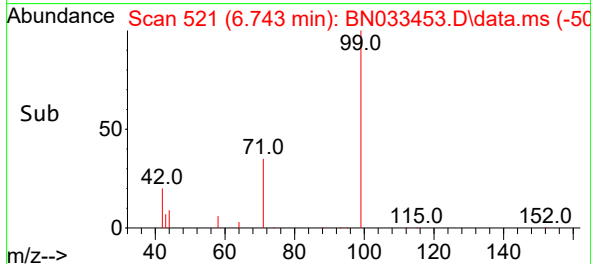
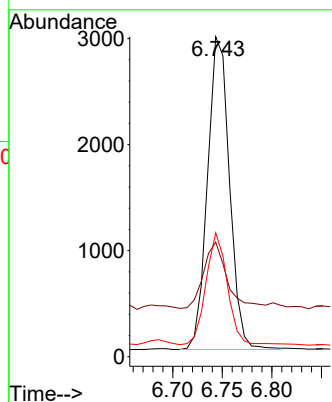
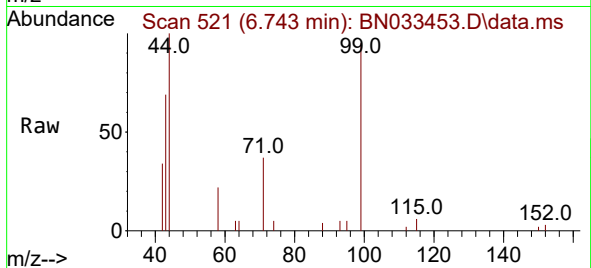




#5
Phenol-d6
Concen: 0.164 ng
RT: 6.743 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

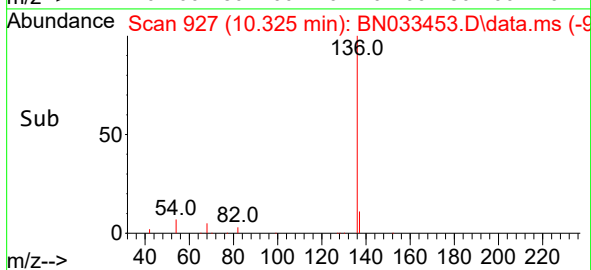
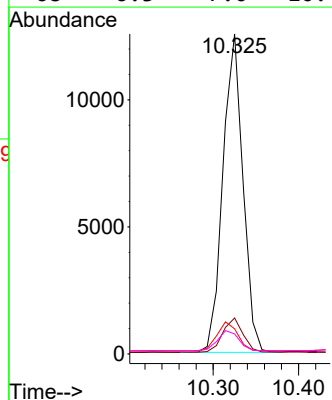
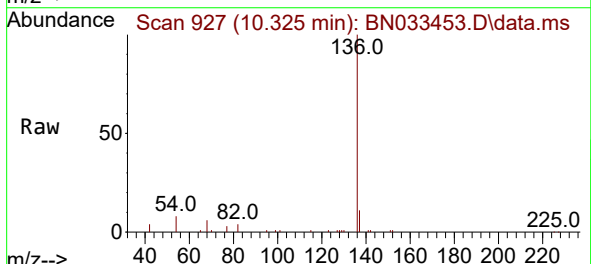
Instrument :
BNA_N
ClientSampleId :
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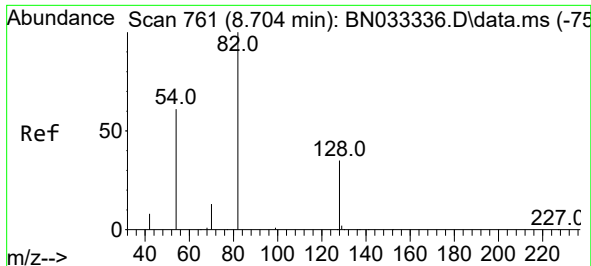
Tgt Ion: 99 Resp: 4550
Ion Ratio Lower Upper
99 100
42 22.4 18.5 27.7
71 34.7 26.2 39.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.325 min Scan# 927
Delta R.T. -0.011 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

Tgt Ion:136 Resp: 20443
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.9 9.4 14.0#
68 6.3 7.0 10.4#

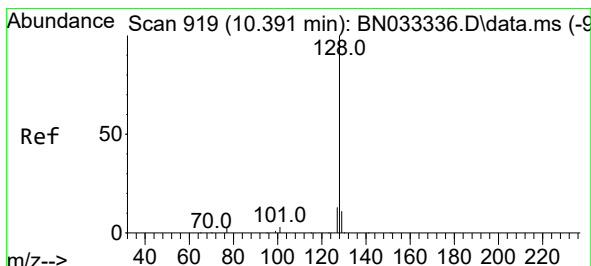
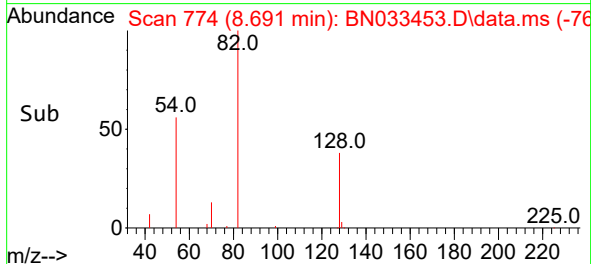
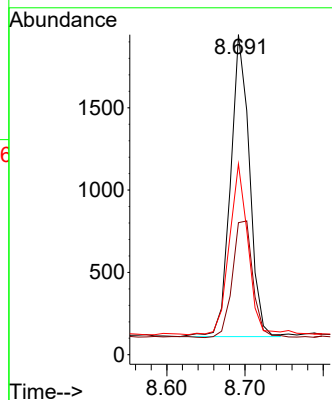
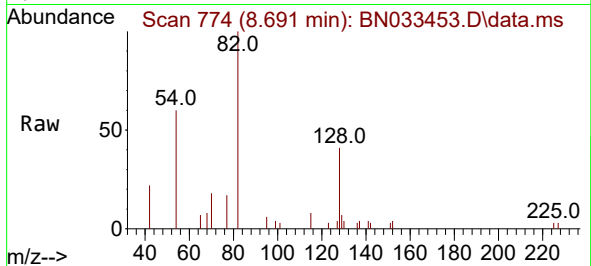




#8
Nitrobenzene-d5
Concen: 0.201 ng
RT: 8.691 min Scan# 761
Delta R.T. -0.011 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

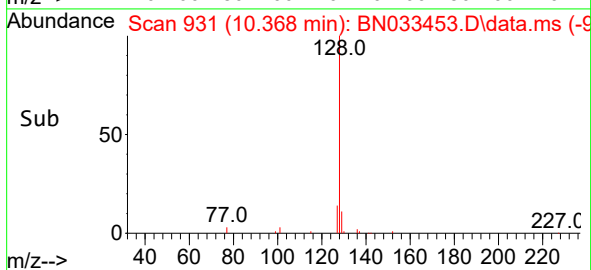
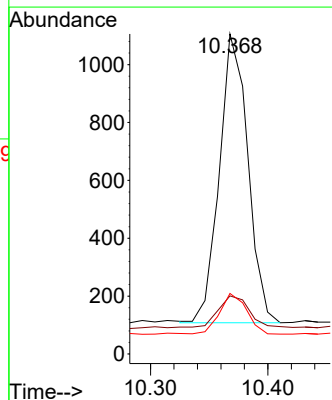
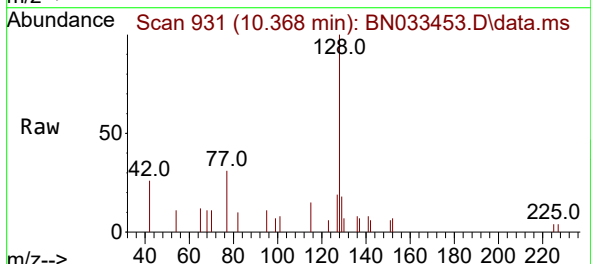
Instrument :
BNA_N
ClientSampleId :
925-K1-SD-0-0.5-081224

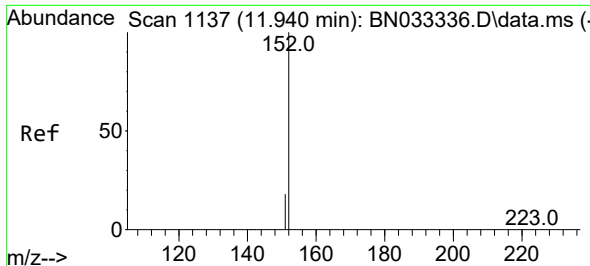
Tgt Ion: 82 Resp: 3093
Ion Ratio Lower Upper
82 100
128 41.3 29.0 43.4
54 59.6 50.2 75.4



#9
Naphthalene
Concen: 0.030 ng
RT: 10.368 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

Tgt Ion: 128 Resp: 1682
Ion Ratio Lower Upper
128 100
129 18.2 9.2 13.8#
127 18.9 10.6 15.8#

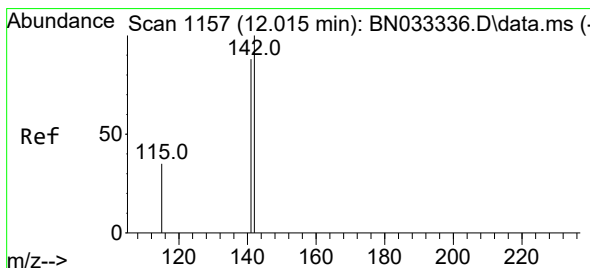
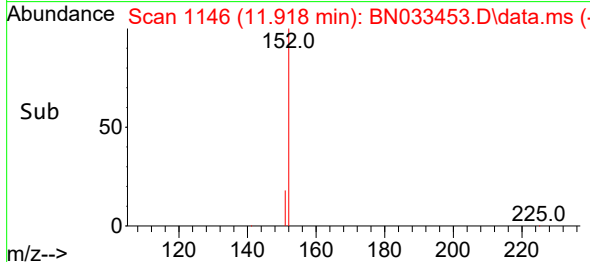
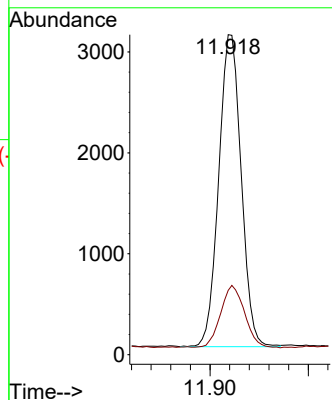
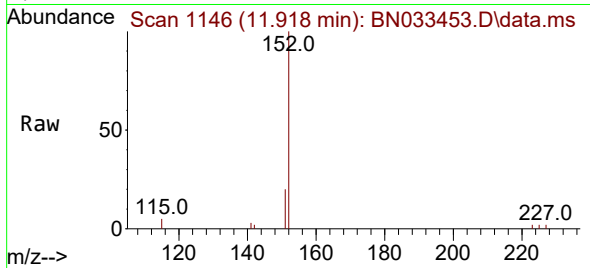




#11
2-Methylnaphthalene-d10
Concen: 0.156 ng
RT: 11.918 min Scan# 1166
Delta R.T. -0.011 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

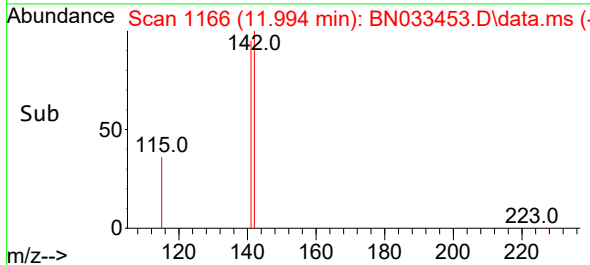
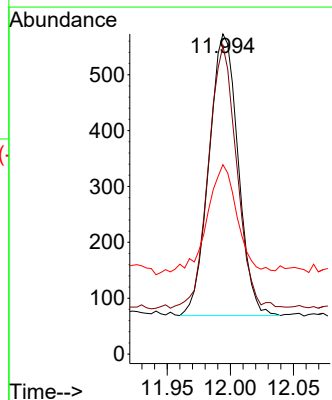
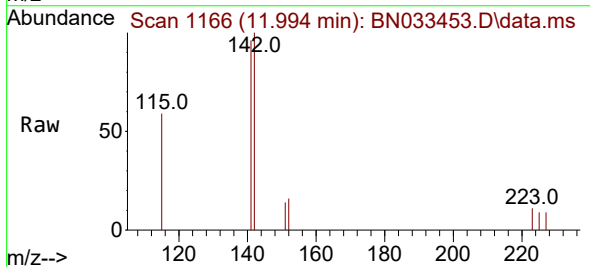
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ClientSampleId :
925-K1-SD-0-0.5-081224

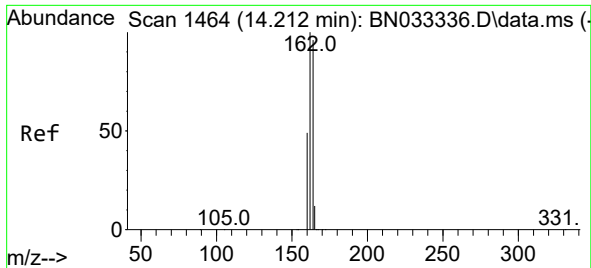
Tgt Ion:152 Resp: 4901
Ion Ratio Lower Upper
152 100
151 21.4 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.021 ng
RT: 11.994 min Scan# 1166
Delta R.T. -0.011 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

Tgt Ion:142 Resp: 808
Ion Ratio Lower Upper
142 100
141 96.3 70.2 105.4
115 59.2 29.3 43.9#

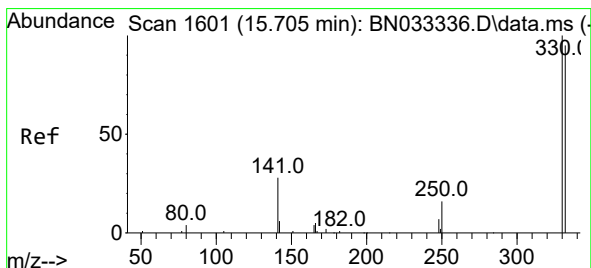
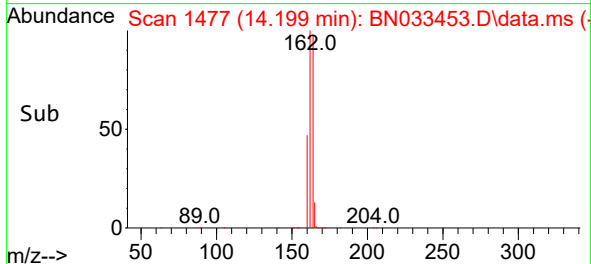
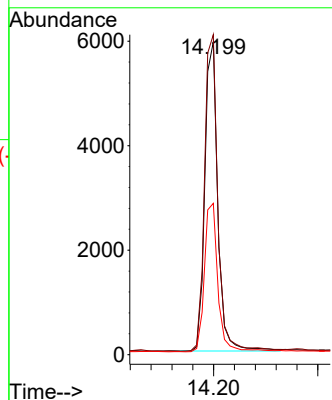
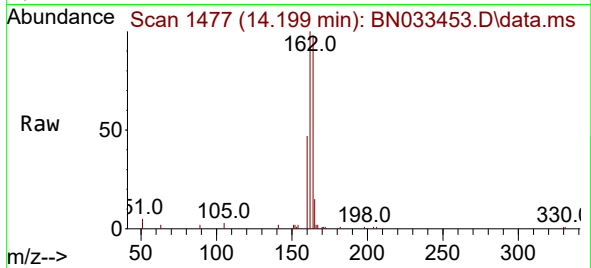




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.199 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BN033453.D
 Acq: 17 Aug 2024 05:26

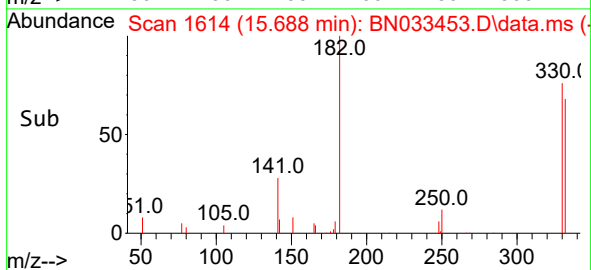
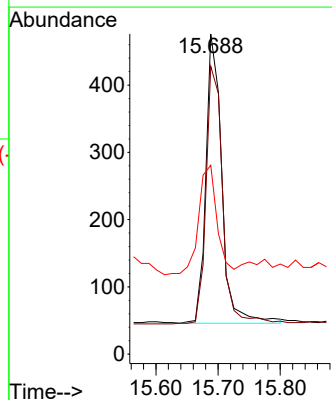
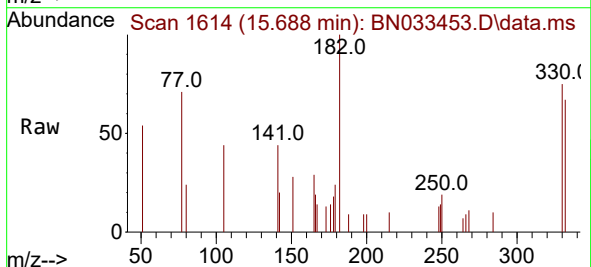
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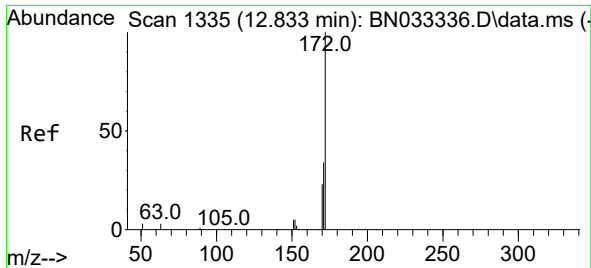
Tgt Ion:164 Resp: 10135
 Ion Ratio Lower Upper
 164 100
 162 102.3 83.1 124.7
 160 48.4 41.1 61.7



#14
 2,4,6-Tribromophenol
 Concen: 0.147 ng
 RT: 15.688 min Scan# 1614
 Delta R.T. -0.012 min
 Lab File: BN033453.D
 Acq: 17 Aug 2024 05:26

Tgt Ion:330 Resp: 766
 Ion Ratio Lower Upper
 330 100
 332 92.0 77.1 115.7
 141 42.4 33.4 50.0

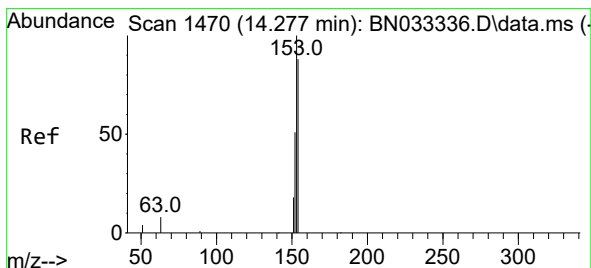
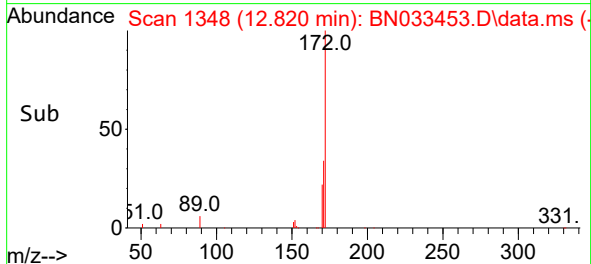
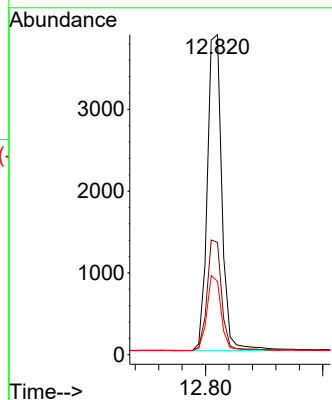
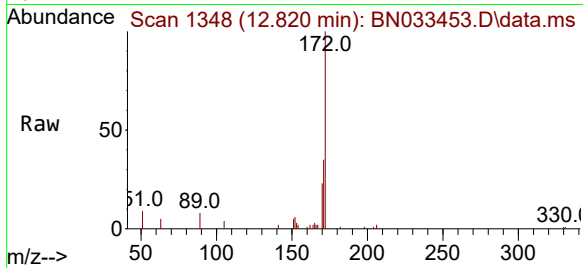




#15
2-Fluorobiphenyl
Concen: 0.161 ng
RT: 12.820 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

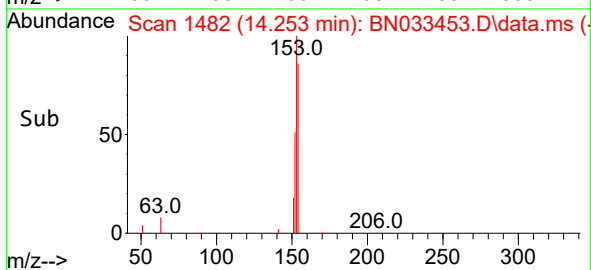
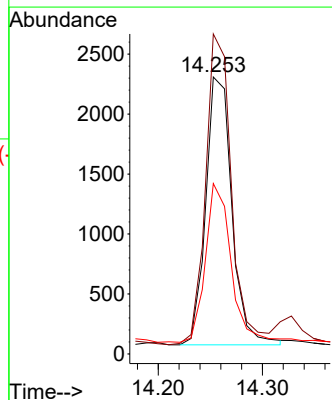
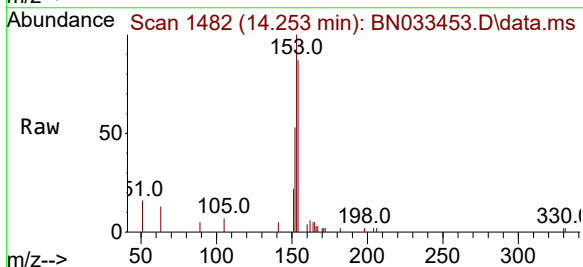
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ClientSampleId :
925-K1-SD-0-0.5-081224

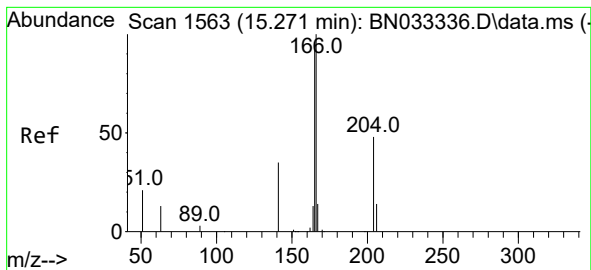
Tgt Ion:	172	Resp:	6684
Ion Ratio	Lower	Upper	
172	100		
171	35.1	27.8	41.8
170	23.0	18.7	28.1



#17
Acenaphthene
Concen: 0.120 ng
RT: 14.253 min Scan# 1482
Delta R.T. -0.011 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

Tgt Ion:	154	Resp:	3903
Ion Ratio	Lower	Upper	
154	100		
153	114.4	89.7	134.5
152	57.8	47.2	70.8





#18

Fluorene

Concen: 0.128 ng

RT: 15.247 min Scan# 11

Delta R.T. -0.011 min

Lab File: BN033453.D

Acq: 17 Aug 2024 05:26

Instrument :

BNA_N

ClientSampleId :

925-K1-SD-0-0.5-081224

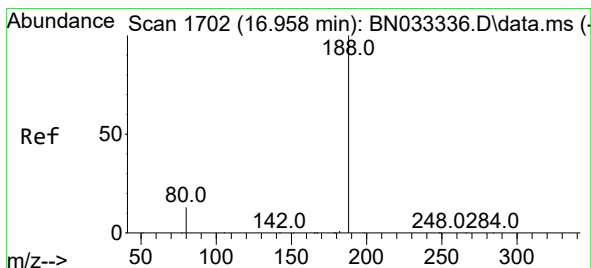
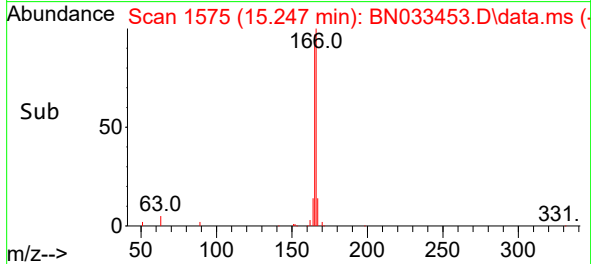
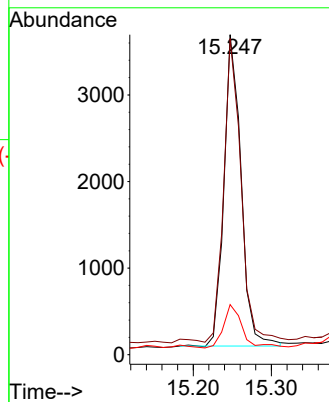
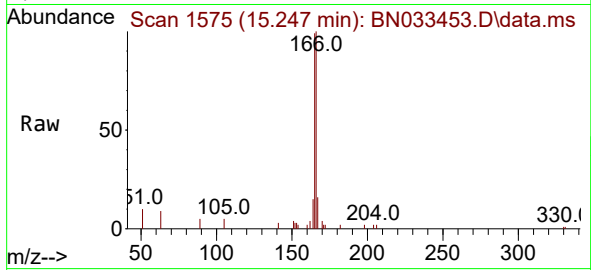
Tgt Ion:166 Resp: 5466

Ion Ratio Lower Upper

166 100

165 97.8 78.0 117.0

167 15.4 10.7 16.1



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.942 min Scan# 1715

Delta R.T. -0.012 min

Lab File: BN033453.D

Acq: 17 Aug 2024 05:26

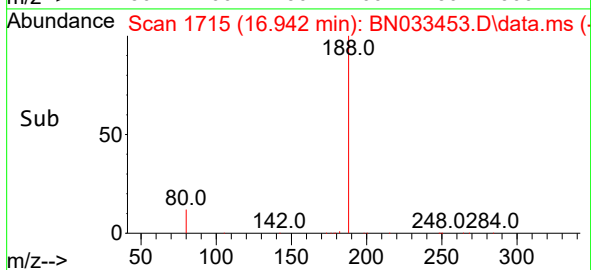
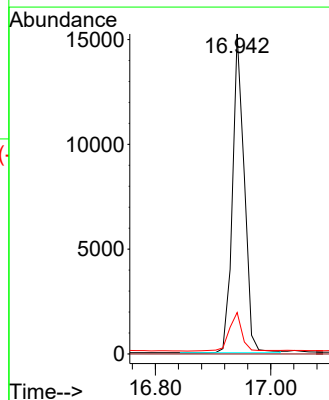
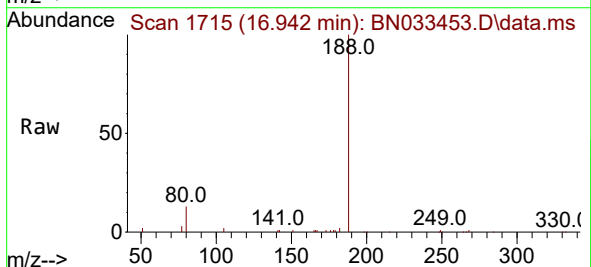
Tgt Ion:188 Resp: 21620

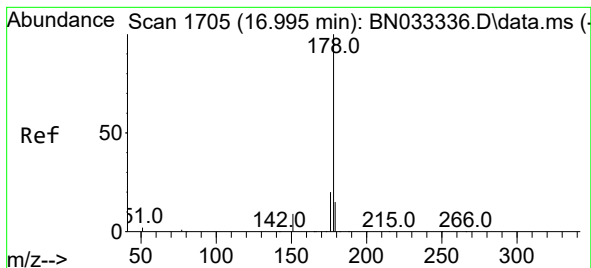
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.9 10.7 16.1





#25

Phenanthrene

Concen: 1.361 ng

RT: 16.979 min Scan# 1718

Delta R.T. -0.012 min

Lab File: BN033453.D

Acq: 17 Aug 2024 05:26

Instrument :

BNA_N

ClientSampleId :

925-K1-SD-0-0.5-081224

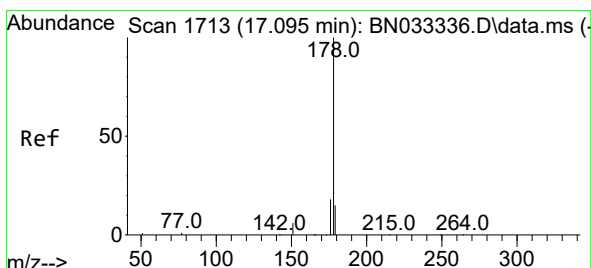
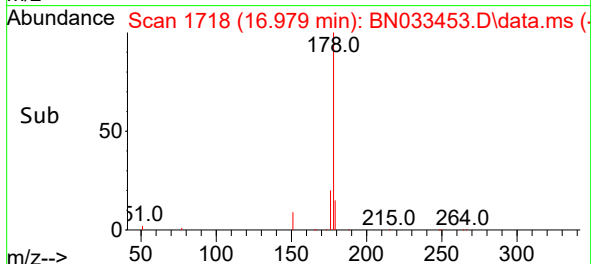
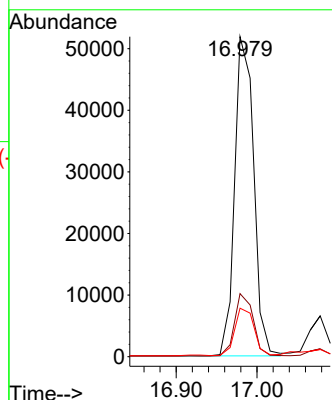
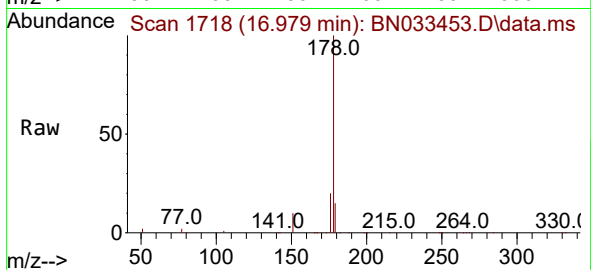
Tgt Ion:178 Resp: 85021

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.0

179 15.0 12.2 18.2



#26

Anthracene

Concen: 0.170 ng

RT: 17.078 min Scan# 1726

Delta R.T. 0.000 min

Lab File: BN033453.D

Acq: 17 Aug 2024 05:26

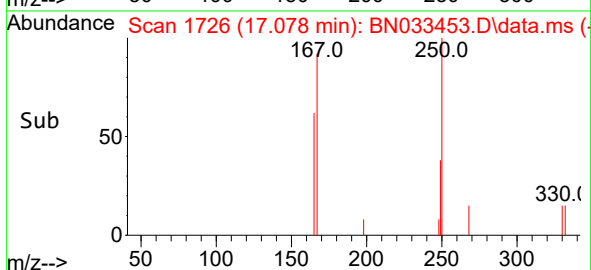
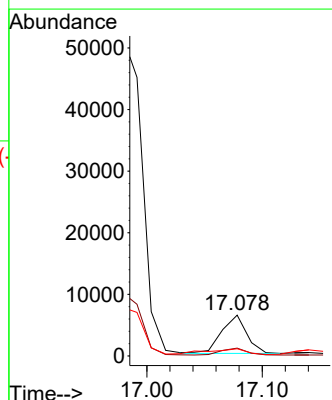
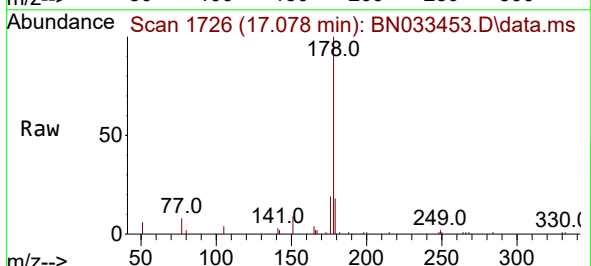
Tgt Ion:178 Resp: 9398

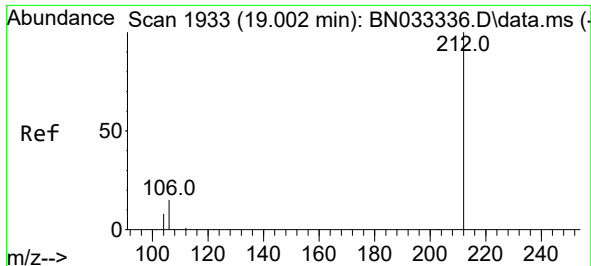
Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

179 22.9 12.2 18.2#

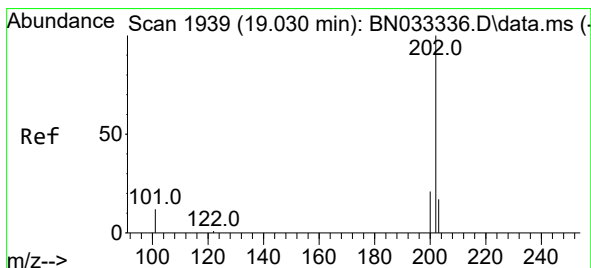
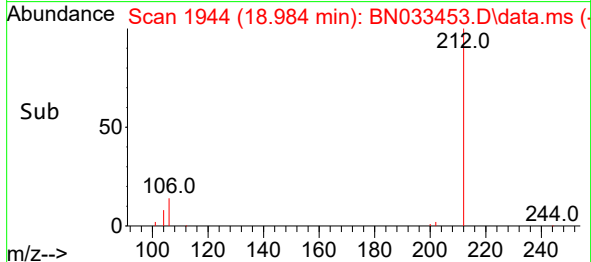
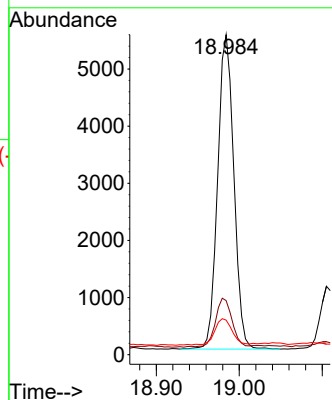
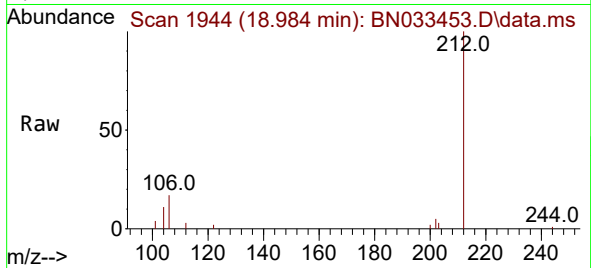




#27
Fluoranthene-d10
Concen: 0.129 ng
RT: 18.984 min Scan# 1944
Delta R.T. -0.009 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

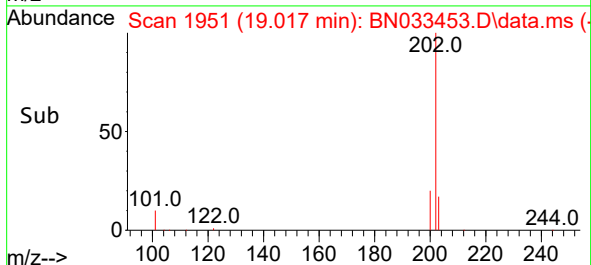
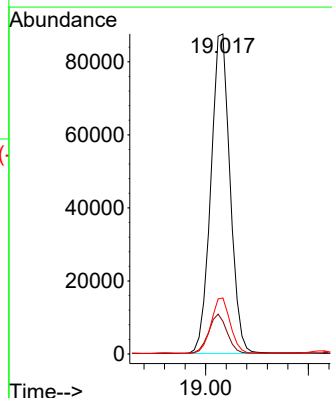
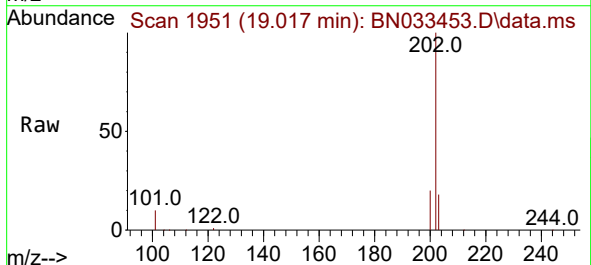
Instrument :
BNA_N
ClientSampleId :
925-K1-SD-0-0.5-081224

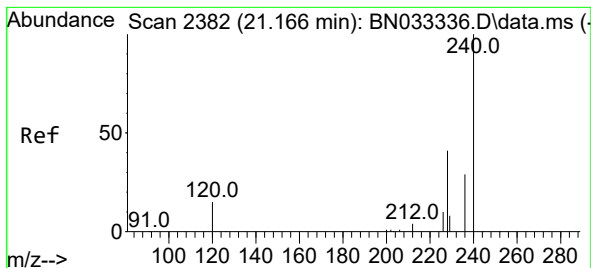
Tgt Ion:212 Resp: 7444
Ion Ratio Lower Upper
212 100
106 16.1 12.8 19.2
104 9.3 7.1 10.7



#28
Fluoranthene
Concen: 1.478 ng
RT: 19.017 min Scan# 1951
Delta R.T. -0.005 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

Tgt Ion:202 Resp: 113645
Ion Ratio Lower Upper
202 100
101 12.1 9.8 14.6
203 17.3 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.148 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN033453.D

Acq: 17 Aug 2024 05:26

Instrument :

BNA_N

ClientSampleId :

925-K1-SD-0-0.5-081224

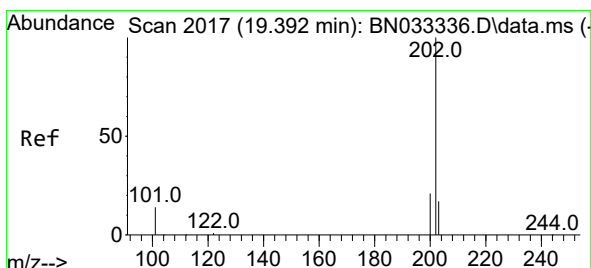
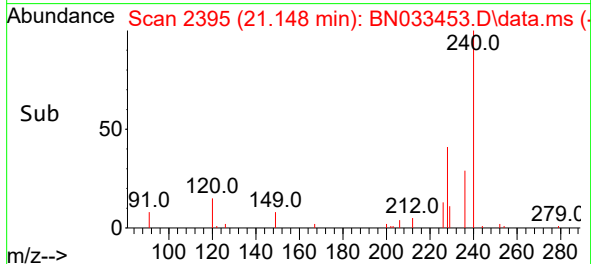
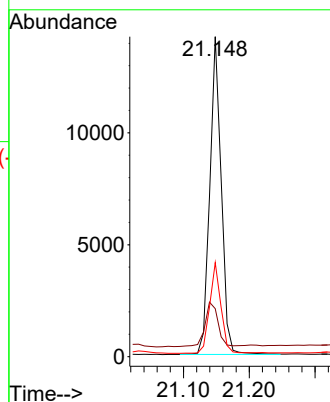
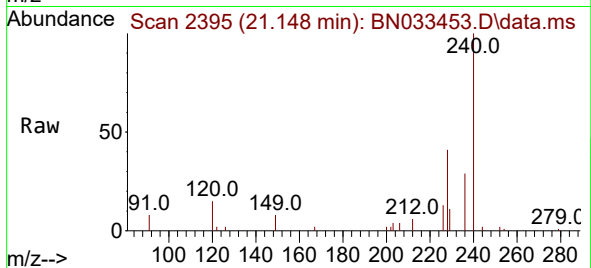
Tgt Ion:240 Resp: 17248

Ion Ratio Lower Upper

240 100

120 15.0 13.0 19.6

236 29.4 23.2 34.8



#30

Pyrene

Concen: 1.345 ng

RT: 19.379 min Scan# 2029

Delta R.T. -0.005 min

Lab File: BN033453.D

Acq: 17 Aug 2024 05:26

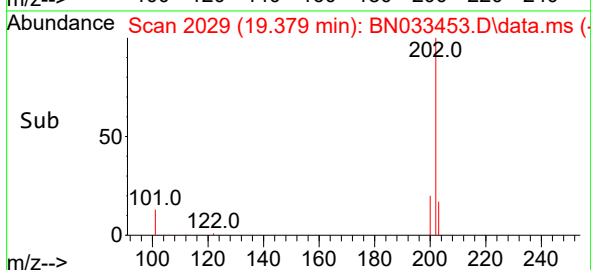
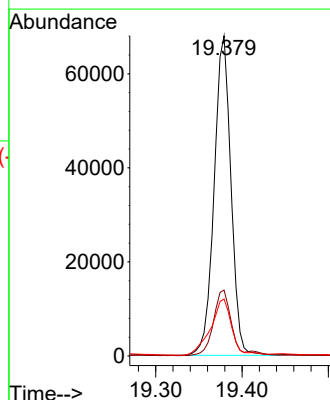
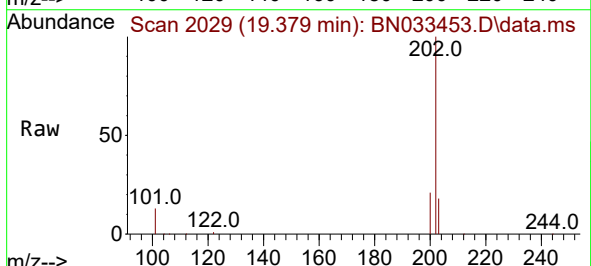
Tgt Ion:202 Resp: 92347

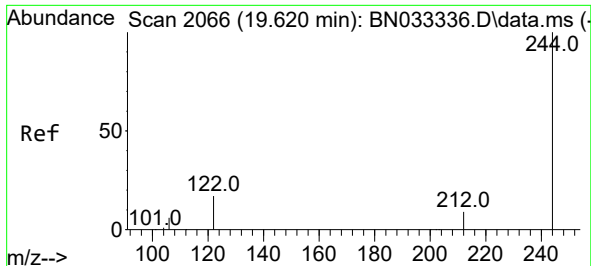
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 21.8 14.2 21.4#

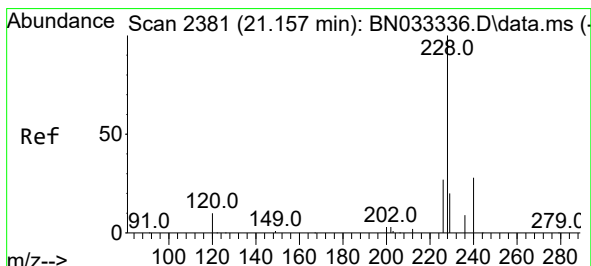
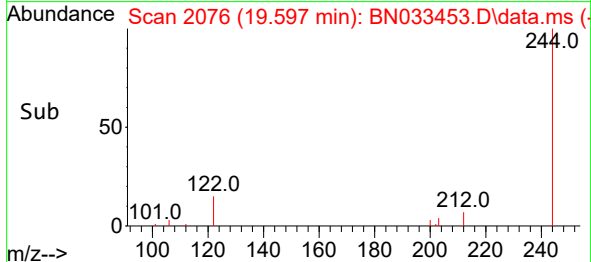
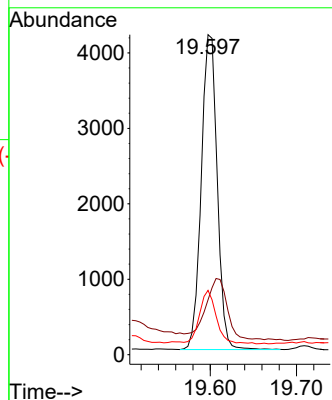
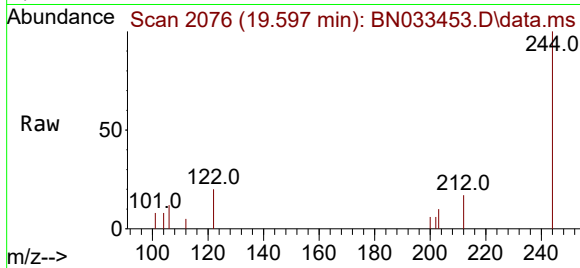




#31
 Terphenyl-d14
 Concen: 0.164 ng
 RT: 19.597 min Scan# 2066
 Delta R.T. -0.009 min
 Lab File: BN033453.D
 Acq: 17 Aug 2024 05:26

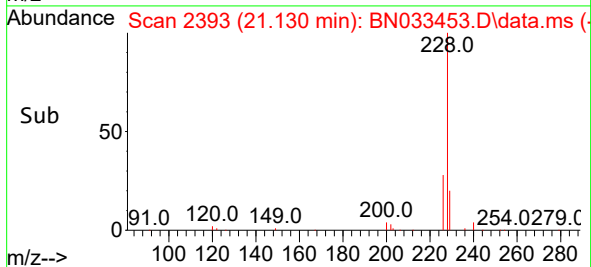
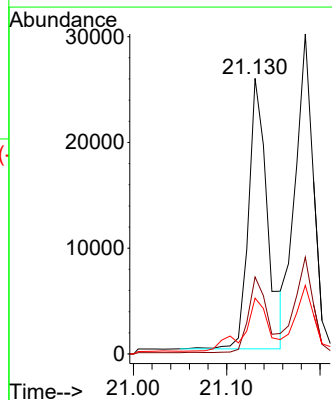
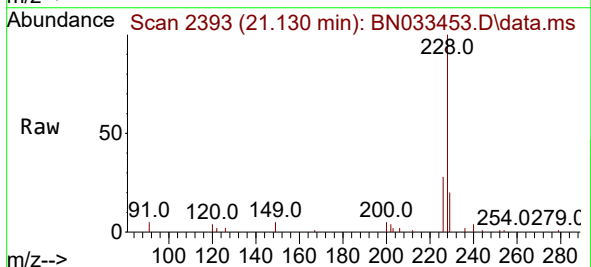
Instrument :
 BNA_N
 ClientSampleId :
 925-K1-SD-0-0.5-081224

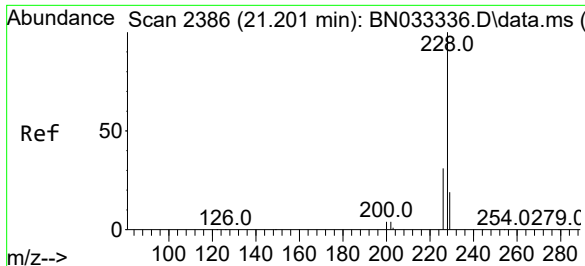
Tgt Ion:244 Resp: 5355
 Ion Ratio Lower Upper
 244 100
 212 17.2 7.7 11.5#
 122 20.1 14.0 21.0



#32
 Benzo(a)anthracene
 Concen: 0.558 ng
 RT: 21.130 min Scan# 2393
 Delta R.T. -0.009 min
 Lab File: BN033453.D
 Acq: 17 Aug 2024 05:26

Tgt Ion:228 Resp: 35970
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.6 32.4
 229 20.2 15.9 23.9





#33

Chrysene

Concen: 0.614 ng

RT: 21.184 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN033453.D

Acq: 17 Aug 2024 05:26

Instrument :

BNA_N

ClientSampleId :

925-K1-SD-0-0.5-081224

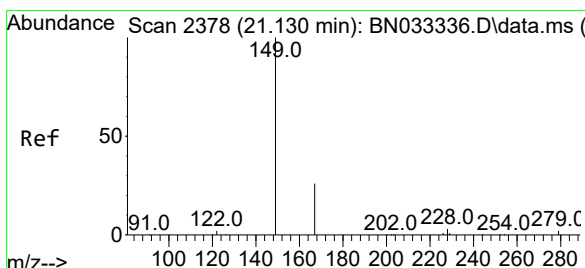
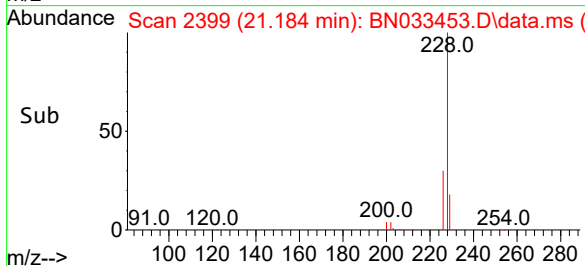
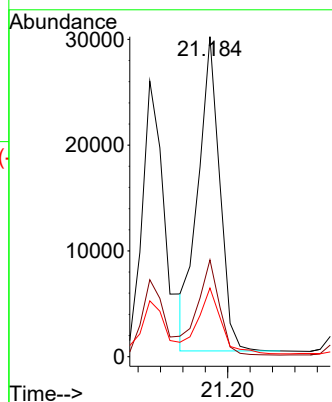
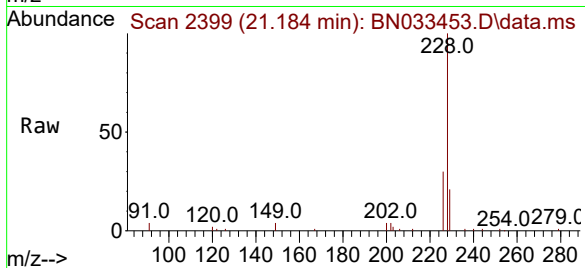
Tgt Ion:228 Resp: 39847

Ion Ratio Lower Upper

228 100

226 30.2 24.7 37.1

229 21.5 15.4 23.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.147 ng

RT: 21.104 min Scan# 2390

Delta R.T. -0.009 min

Lab File: BN033453.D

Acq: 17 Aug 2024 05:26

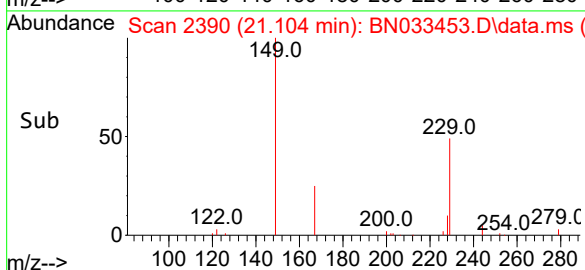
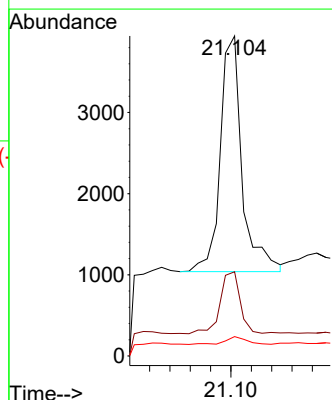
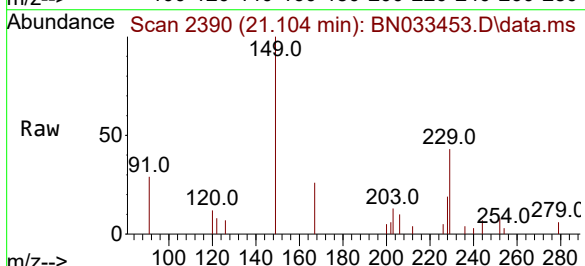
Tgt Ion:149 Resp: 4305

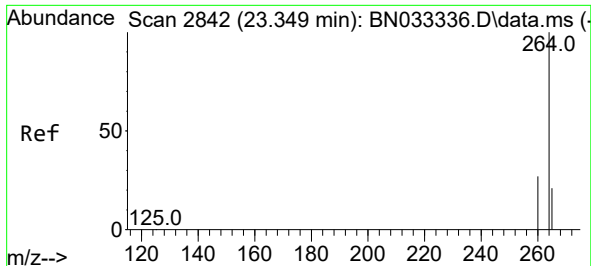
Ion Ratio Lower Upper

149 100

167 24.5 20.9 31.3

279 3.2 2.2 3.4

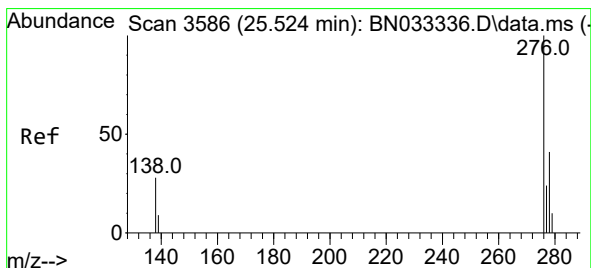
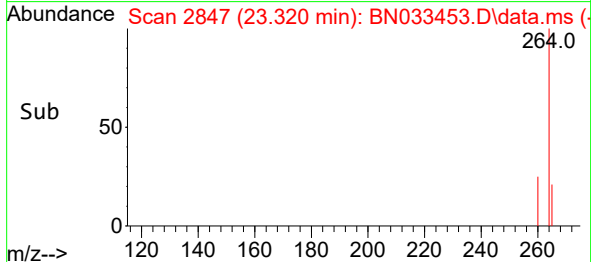
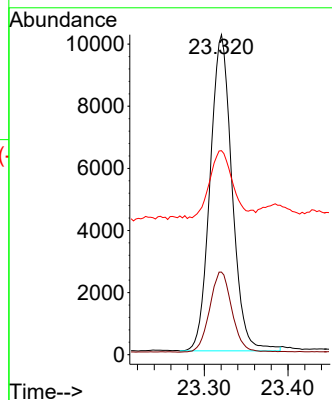
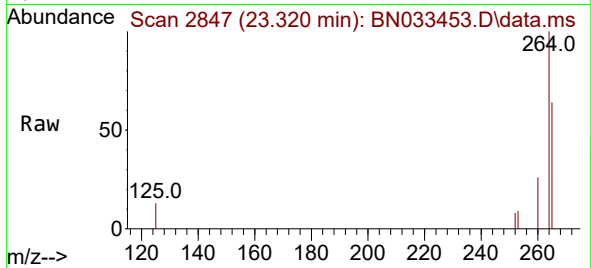




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.320 min Scan# 21
Delta R.T. -0.012 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

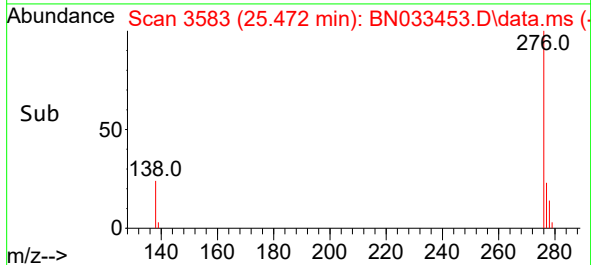
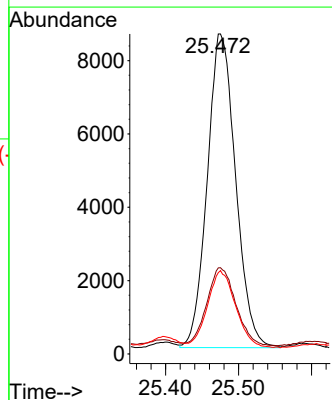
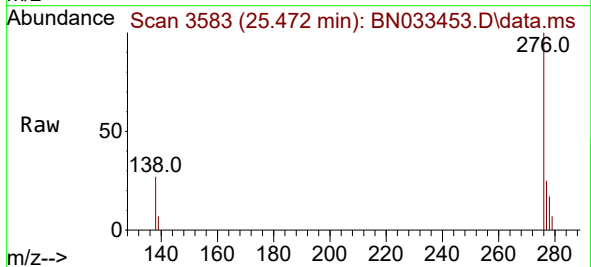
Instrument :
BNA_N
ClientSampleId :
925-K1-SD-0-0.5-081224

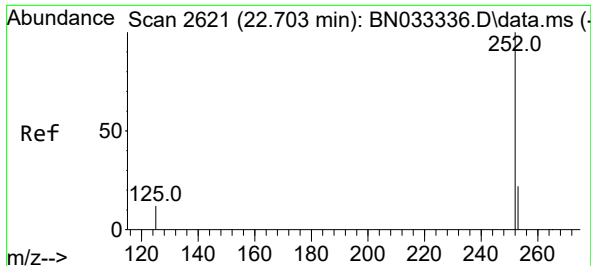
Tgt Ion:264 Resp: 18599
Ion Ratio Lower Upper
264 100
260 25.8 21.6 32.4
265 63.8 29.3 43.9#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.301 ng
RT: 25.472 min Scan# 3583
Delta R.T. -0.026 min
Lab File: BN033453.D
Acq: 17 Aug 2024 05:26

Tgt Ion:276 Resp: 23136
Ion Ratio Lower Upper
276 100
138 25.3 24.9 37.3
277 24.2 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.763 ng

RT: 22.677 min Scan# 2627

Delta R.T. -0.009 min

Lab File: BN033453.D

Acq: 17 Aug 2024 05:26

Instrument :

BNA_N

ClientSampleId :

925-K1-SD-0-0.5-081224

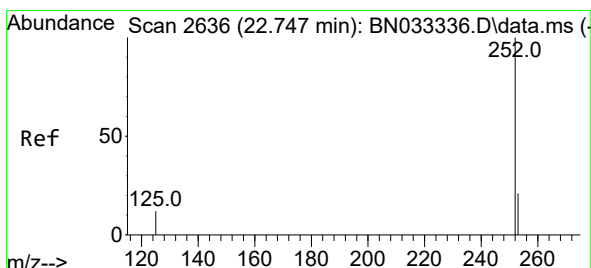
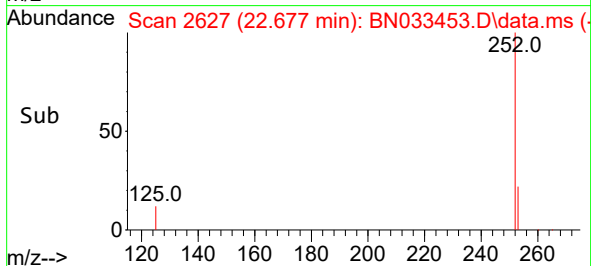
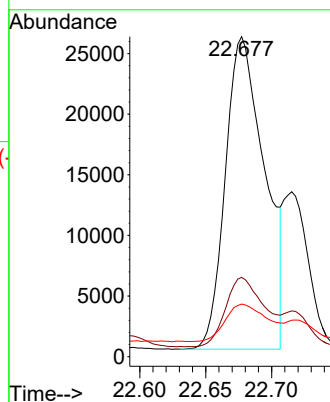
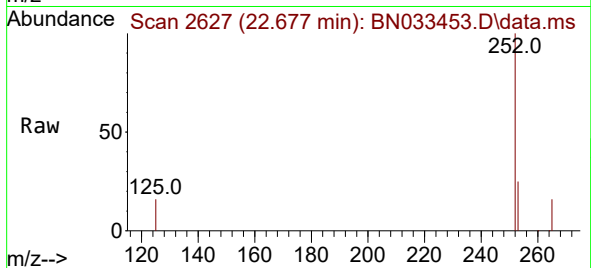
Tgt Ion:252 Resp: 53375

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.2

125 16.4 11.3 16.9



#38

Benzo(k)fluoranthene

Concen: 0.747 ng

RT: 22.677 min Scan# 2627

Delta R.T. -0.053 min

Lab File: BN033453.D

Acq: 17 Aug 2024 05:26

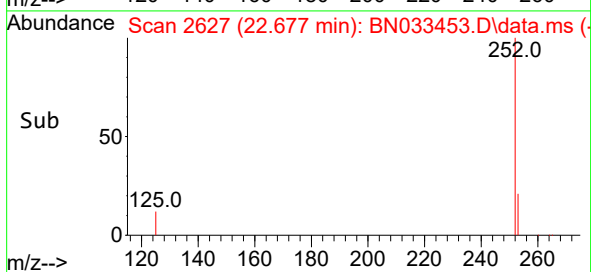
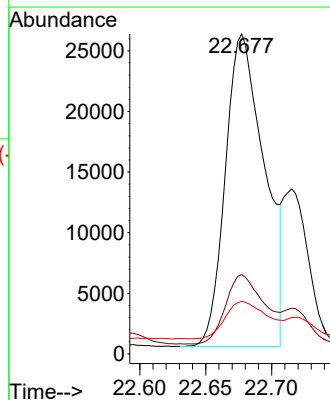
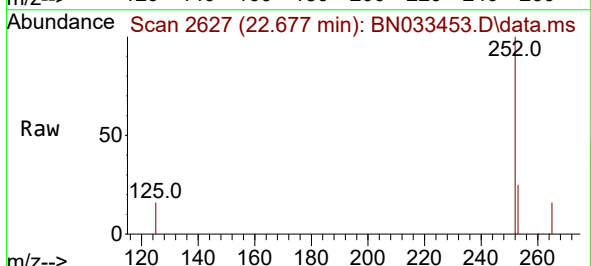
Tgt Ion:252 Resp: 53375

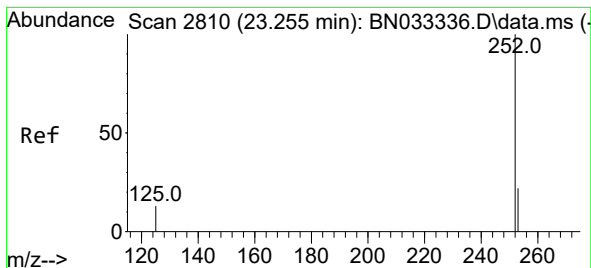
Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

125 16.4 11.3 16.9





#39

Benzo(a)pyrene

Concen: 0.565 ng

RT: 23.224 min Scan# 21

Delta R.T. -0.015 min

Lab File: BN033453.D

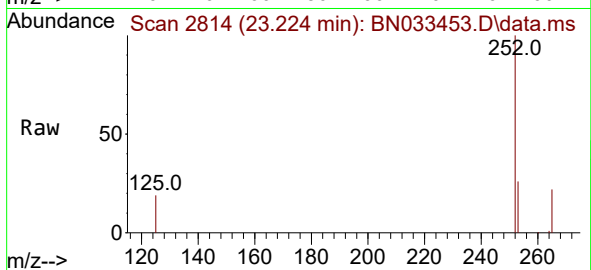
Acq: 17 Aug 2024 05:26

Instrument :

BNA_N

ClientSampleId :

925-K1-SD-0-0.5-081224



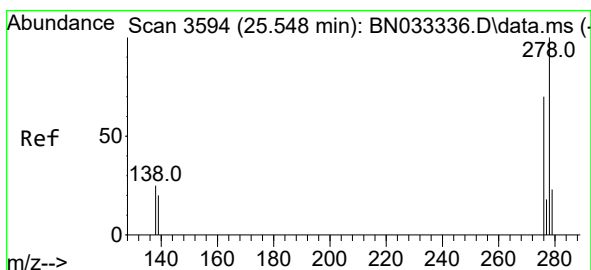
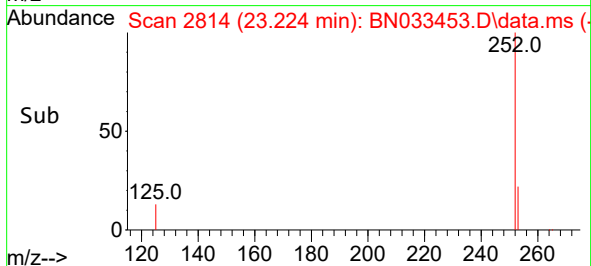
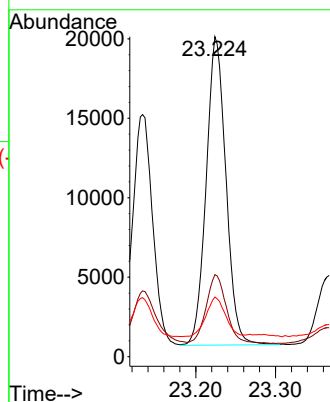
Tgt Ion:252 Resp: 33333

Ion Ratio Lower Upper

252 100

253 25.6 18.6 28.0

125 18.6 12.6 19.0



#40

Dibenzo(a,h)anthracene

Concen: 0.087 ng

RT: 25.490 min Scan# 3589

Delta R.T. -0.026 min

Lab File: BN033453.D

Acq: 17 Aug 2024 05:26

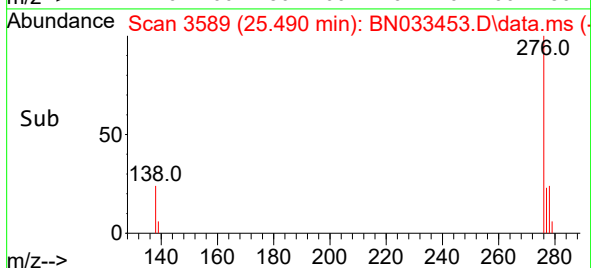
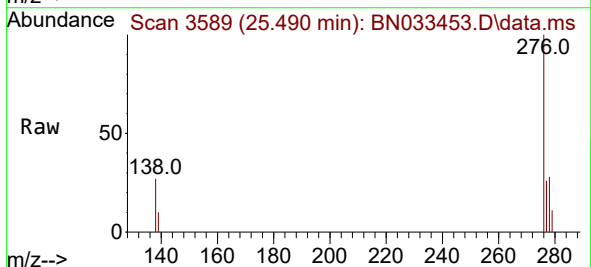
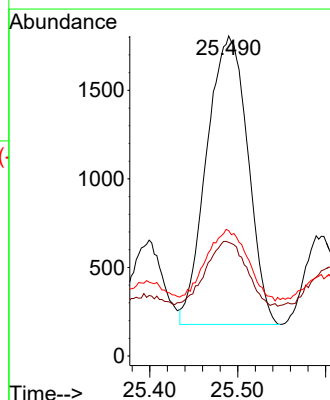
Tgt Ion:278 Resp: 5303

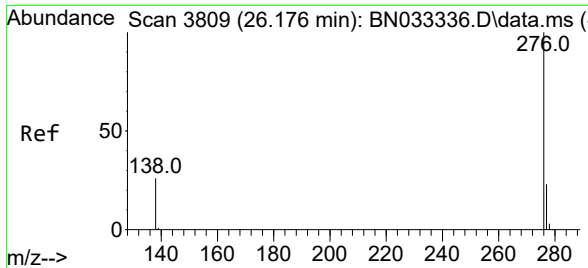
Ion Ratio Lower Upper

278 100

139 35.5 17.0 25.6#

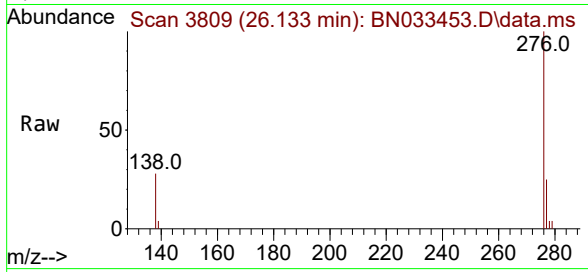
279 39.2 20.0 30.0#





#41
 Benzo(g,h,i)perylene
 Concen: 0.350 ng
 RT: 26.133 min Scan# 31
 Delta R.T. -0.017 min
 Lab File: BN033453.D
 Acq: 17 Aug 2024 05:26

Instrument :
 BNA_N
 ClientSampleId :
 925-K1-SD-0-0.5-081224



Tgt Ion:	276	Resp:	23527
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.4	29.2
138	27.7	21.6	32.4

