

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081724\
 Data File : BN033441.D
 Acq On : 16 Aug 2024 21:28
 Operator : MA/JU
 Sample : P3466-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 50

Instrument :
 BNA_N
 ClientSampleId :
 932-K1-WP0-0.25-080224

Quant Time: Aug 17 00:46:41 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)

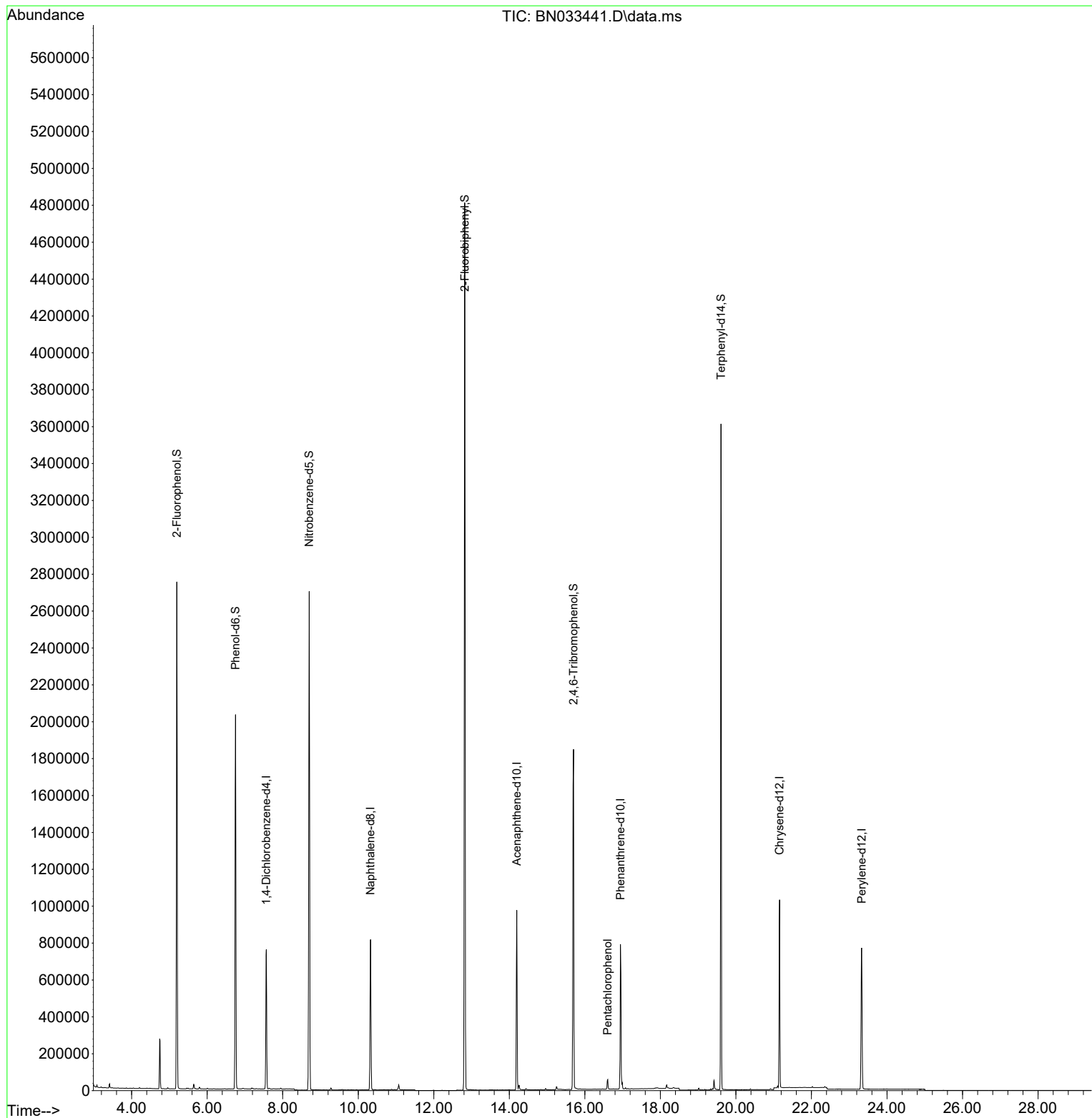
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.567	152	367311	20.000	ng	0.00
7) Naphthalene-d8	10.325	136	1008146	20.000	ng	#-0.01
13) Acenaphthene-d10	14.199	164	544769	20.000	ng	0.00
19) Phenanthrene-d10	16.942	188	1080213	20.000	ng	-0.01
29) Chrysene-d12	21.157	240	914366	20.000	ng	# 0.00
35) Perylene-d12	23.329	264	963475	20.000	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.198	112	1958323	96.515	ng	0.00
5) Phenol-d6	6.750	99	1743402	63.612	ng	0.00
8) Nitrobenzene-d5	8.702	82	1982657	130.373	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	68	0.002	ng	-0.03
14) 2,4,6-Tribromophenol	15.700	330	1113404	199.179	ng	0.00
15) 2-Fluorobiphenyl	12.820	172	4068187	91.087	ng	0.00
27) Fluoranthene-d10	18.993	212	715	0.012	ng	0.00
31) Terphenyl-d14	19.607	244	3570464	103.346	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.197	88	2359	0.289	ng	# 52
3) n-Nitrosodimethylamine	3.486	42	505	0.048	ng	# 45
6) bis(2-Chloroethyl)ether	7.003	93	685	0.031	ng	# 90
9) Naphthalene	10.378	128	2412	0.043	ng	# 85
10) Hexachlorobutadiene	10.677	225	469	0.044	ng	# 97
12) 2-Methylnaphthalene	11.998	142	1335	0.036	ng	# 84
17) Acenaphthene	14.263	154	6311	0.181	ng	97
18) Fluorene	15.258	166	18227	0.396	ng	# 59
20) 4,6-Dinitro-2-methylph...	15.343	198	94	0.036	ng	# 1
24) Pentachlorophenol	16.607	266	25657	4.379	ng	99
25) Phenanthrene	16.991	178	35358	0.567	ng	97
26) Anthracene	17.078	178	6153	0.111	ng	98
28) Fluoranthene	19.017	202	8763	0.114	ng	98
30) Pyrene	19.379	202	5017	0.069	ng	# 92
32) Benzo(a)anthracene	21.157	228	4241	0.062	ng	# 68
33) Chrysene	21.157	228	4651	0.068	ng	# 65
34) Bis(2-ethylhexyl)phtha...	21.103	149	8438	0.272	ng	# 99

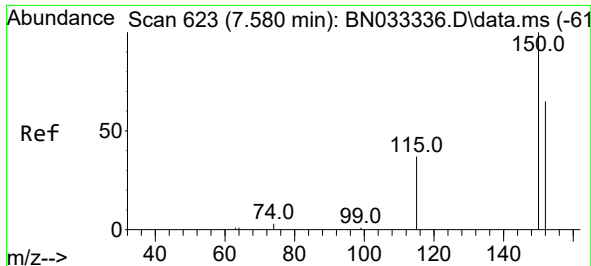
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 17 00:46:41 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

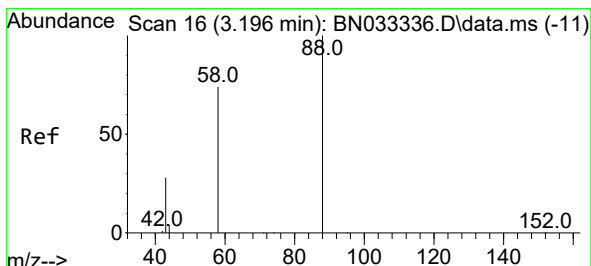
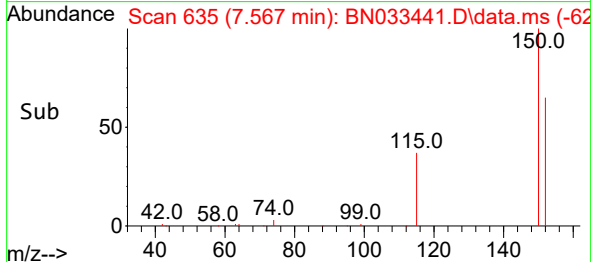
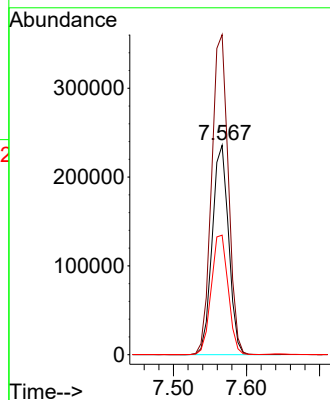
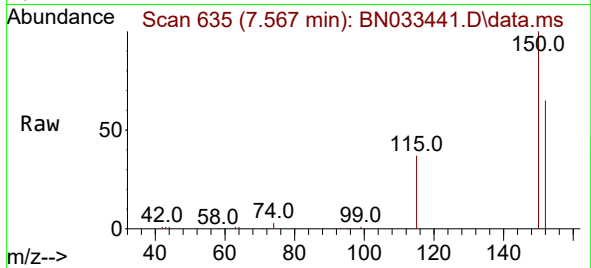




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.567 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN033441.D
 Acq: 16 Aug 2024 21:28

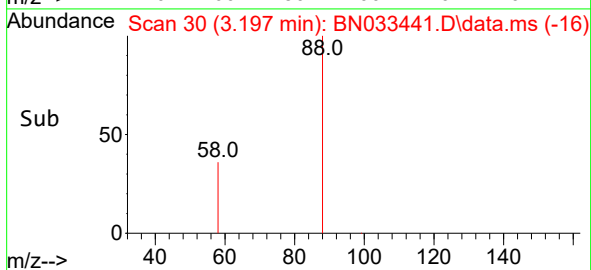
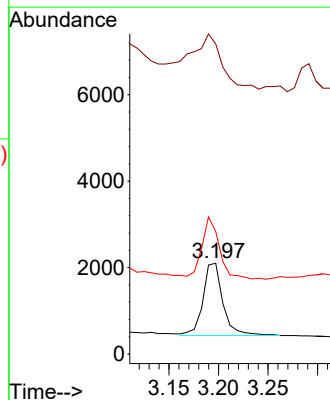
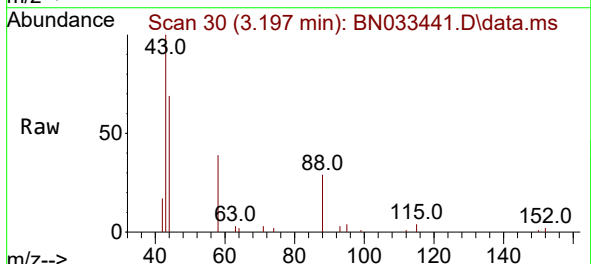
Instrument :
 BNA_N
 ClientSampleId :
 932-K1-WP0-0.25-080224

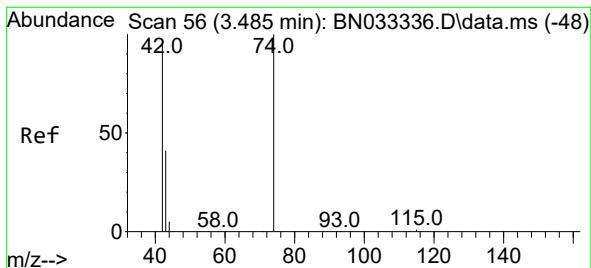
Tgt Ion:152 Resp: 367311
 Ion Ratio Lower Upper
 152 100
 150 152.8 122.3 183.5
 115 57.1 48.8 73.2



#2
 1,4-Dioxane
 Concen: 0.289 ng
 RT: 3.197 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: BN033441.D
 Acq: 16 Aug 2024 21:28

Tgt Ion: 88 Resp: 2359
 Ion Ratio Lower Upper
 88 100
 43 121.4 30.6 46.0#
 58 75.1 64.5 96.7

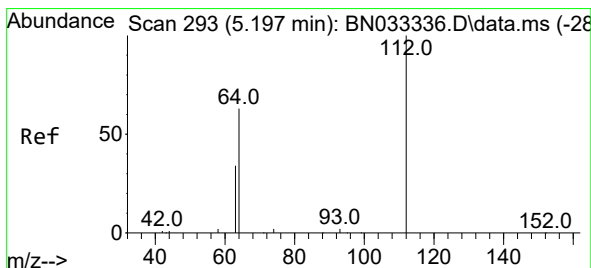
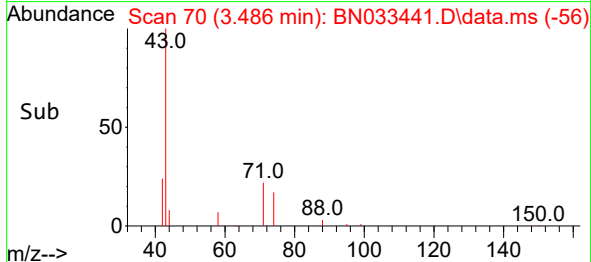
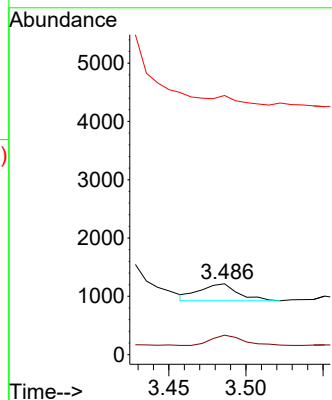
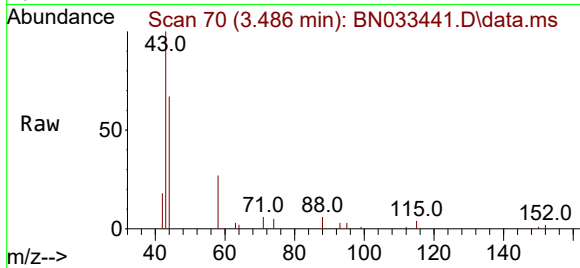




#3
n-Nitrosodimethylamine
Concen: 0.048 ng
RT: 3.486 min Scan# 70
Delta R.T. -0.000 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

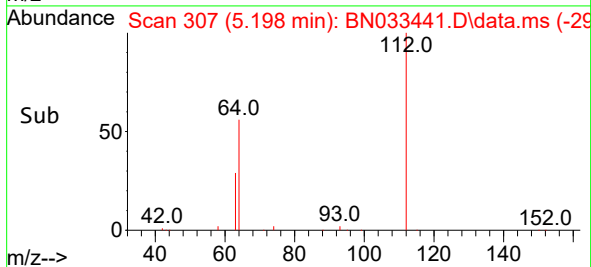
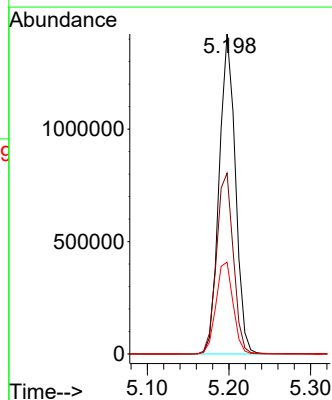
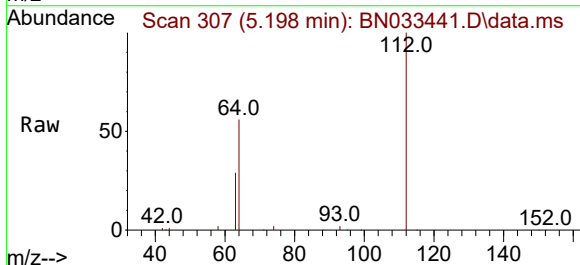
Instrument :
BNA_N
ClientSampleId :
932-K1-WP0-0.25-080224

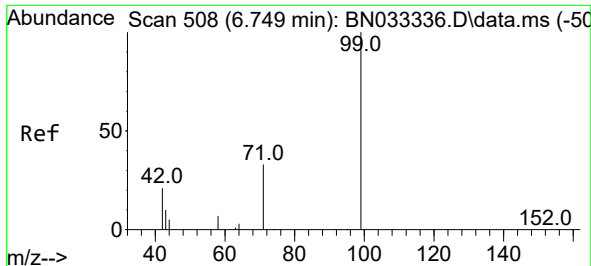
Tgt Ion: 42 Resp: 505
Ion Ratio Lower Upper
42 100
74 49.5 89.0 133.6#
44 0.0 11.0 16.4#



#4
2-Fluorophenol
Concen: 96.515 ng
RT: 5.198 min Scan# 307
Delta R.T. -0.000 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

Tgt Ion: 112 Resp: 1958323
Ion Ratio Lower Upper
112 100
64 58.8 48.1 72.1
63 30.4 25.4 38.2

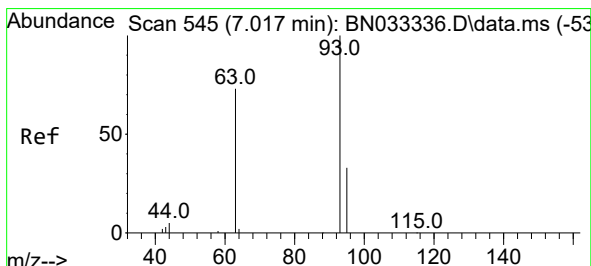
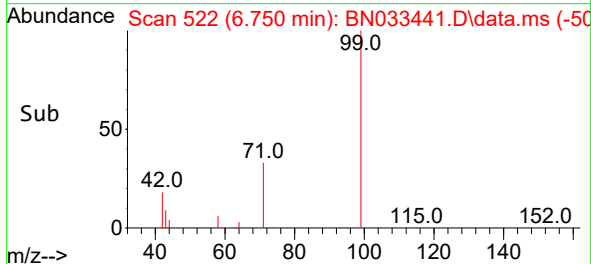
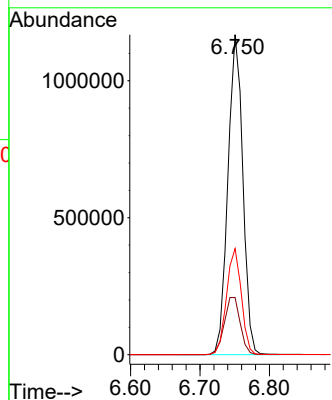
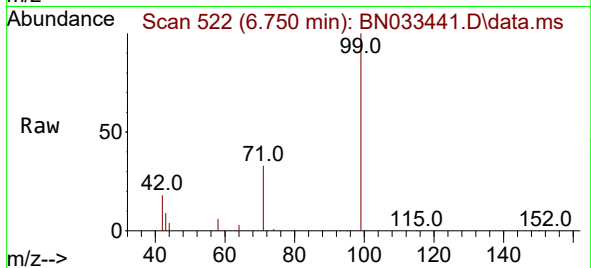




#5
Phenol-d6
Concen: 63.612 ng
RT: 6.750 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

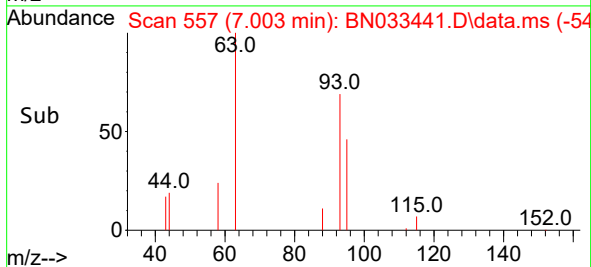
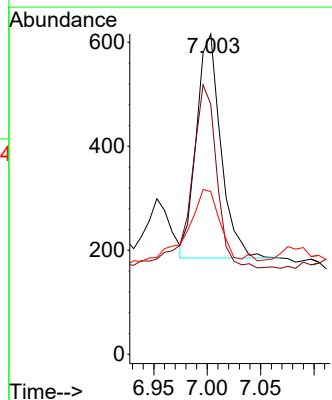
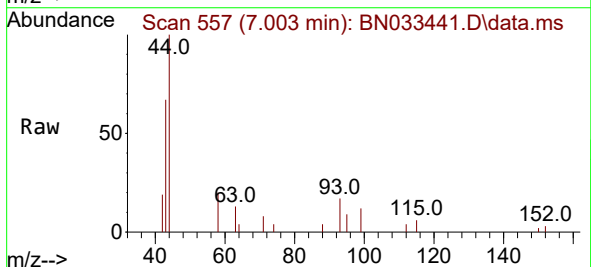
Instrument :
BNA_N
ClientSampleId :
932-K1-WP0-0.25-080224

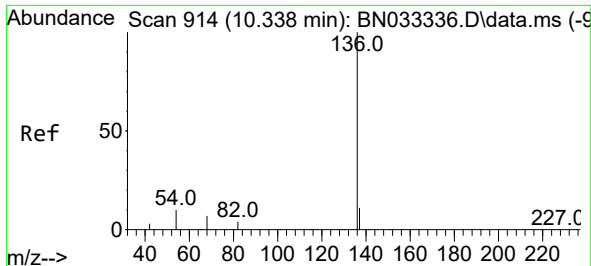
Tgt Ion: 99 Resp: 1743402
Ion Ratio Lower Upper
99 100
42 19.0 18.5 27.7
71 32.9 26.2 39.2



#6
bis(2-Chloroethyl)ether
Concen: 0.031 ng
RT: 7.003 min Scan# 557
Delta R.T. -0.000 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

Tgt Ion: 93 Resp: 685
Ion Ratio Lower Upper
93 100
63 85.7 65.2 97.8
95 46.4 26.2 39.4#

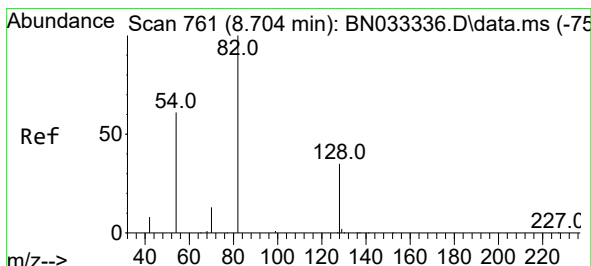
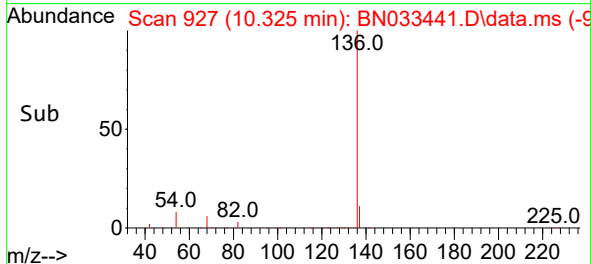
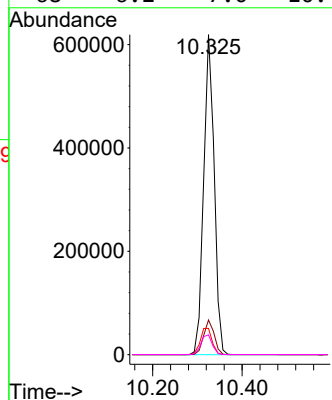
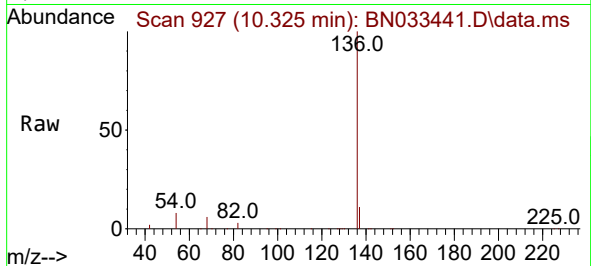




#7
Naphthalene-d8
Concen: 20.000 ng
RT: 10.325 min Scan# 914
Delta R.T. -0.011 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

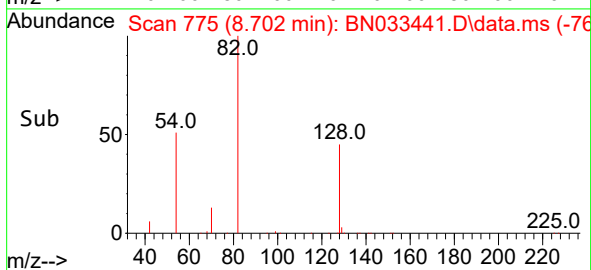
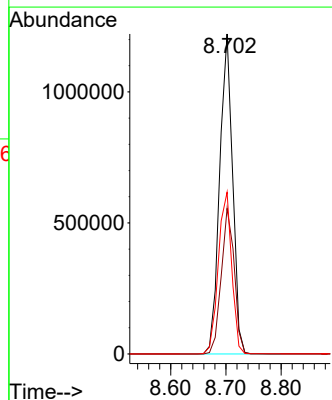
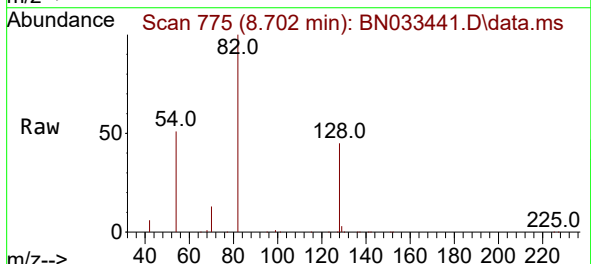
Instrument :
BNA_N
ClientSampleId :
932-K1-WP0-0.25-080224

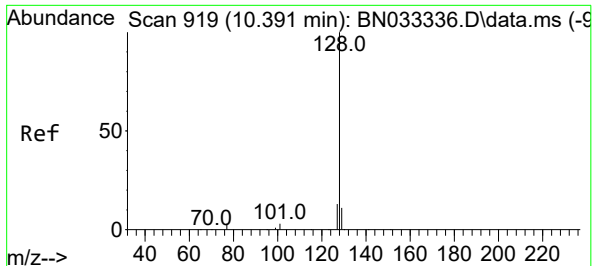
Tgt Ion:136 Resp: 1008146
Ion Ratio Lower Upper
136 100
137 10.9 9.1 13.7
54 8.2 9.4 14.0#
68 6.2 7.0 10.4#



#8
Nitrobenzene-d5
Concen: 130.373 ng
RT: 8.702 min Scan# 775
Delta R.T. -0.000 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

Tgt Ion: 82 Resp: 1982657
Ion Ratio Lower Upper
82 100
128 45.5 29.0 43.4#
54 50.6 50.2 75.4

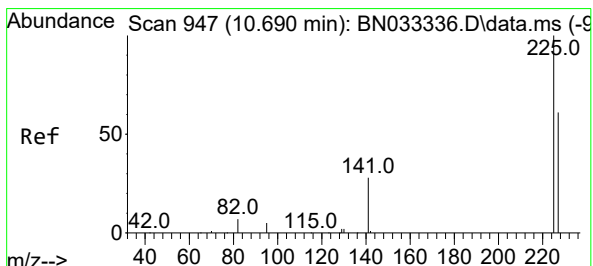
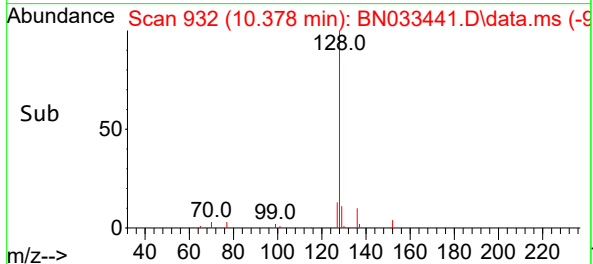
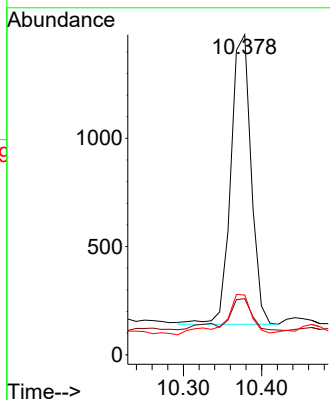
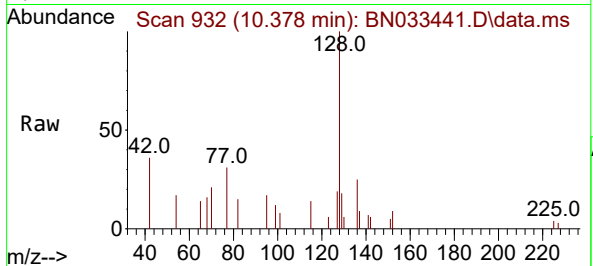




#9
Naphthalene
Concen: 0.043 ng
RT: 10.378 min Scan# 919
Delta R.T. -0.000 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

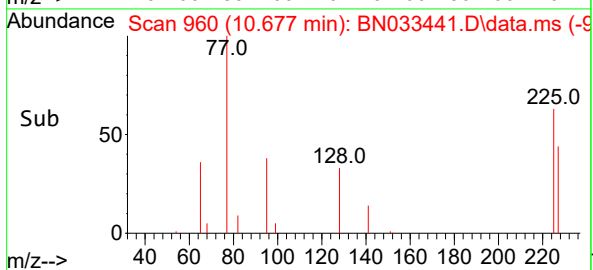
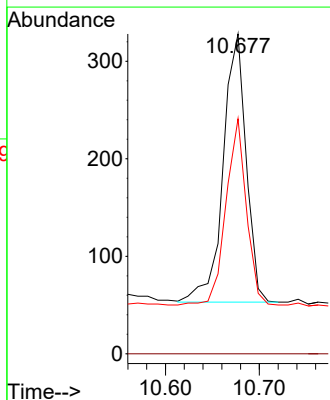
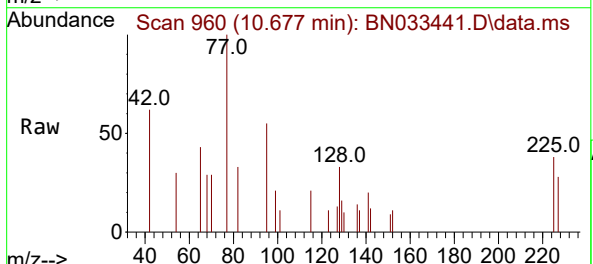
Instrument :
BNA_N
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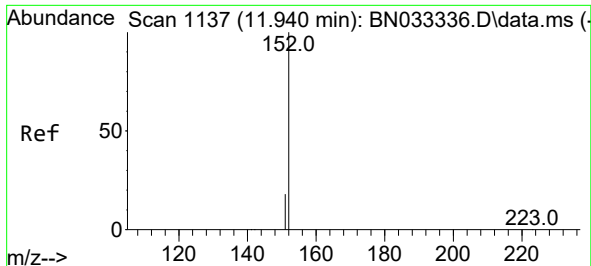
Tgt Ion:128 Resp: 2412
Ion Ratio Lower Upper
128 100
129 17.5 9.2 13.8#
127 18.7 10.6 15.8#



#10
Hexachlorobutadiene
Concen: 0.044 ng
RT: 10.677 min Scan# 960
Delta R.T. -0.011 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

Tgt Ion:225 Resp: 469
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 61.4 50.8 76.2

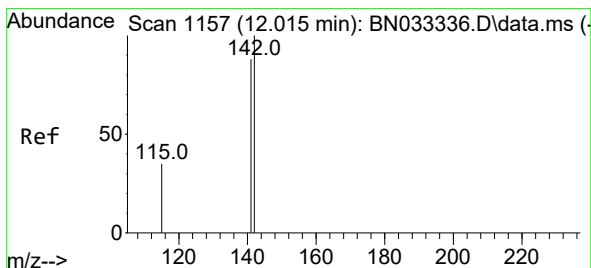
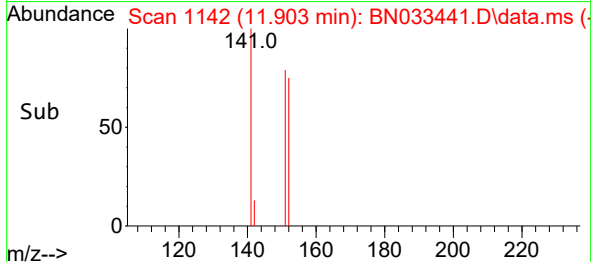
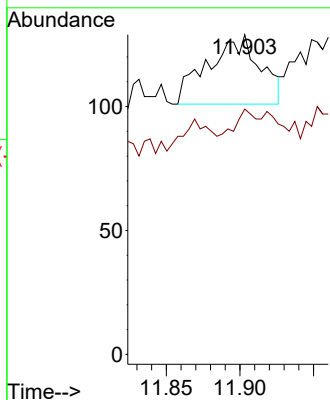
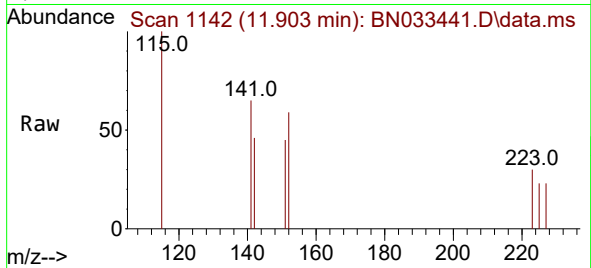




#11
2-Methylnaphthalene-d10
Concen: 0.002 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.026 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

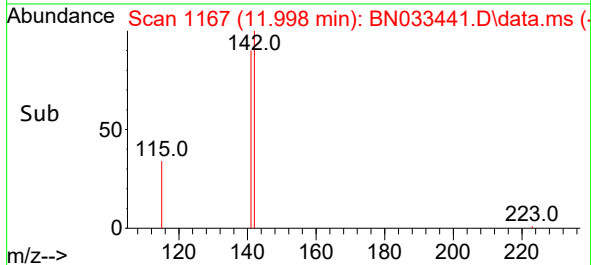
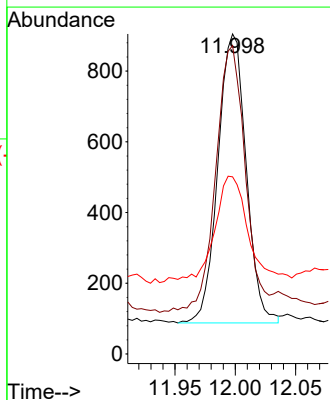
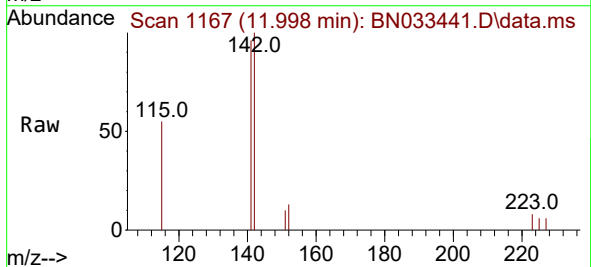
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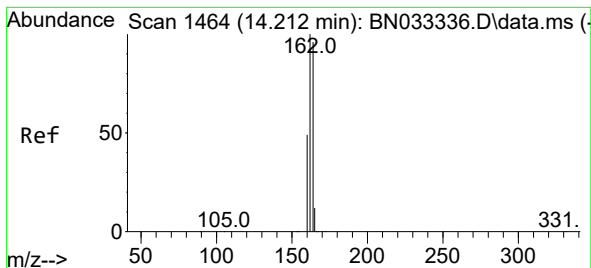
Tgt Ion:152 Resp: 68
Ion Ratio Lower Upper
152 100
151 10.3 16.7 25.1#



#12
2-Methylnaphthalene
Concen: 0.036 ng
RT: 11.998 min Scan# 1167
Delta R.T. -0.008 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

Tgt Ion:142 Resp: 1335
Ion Ratio Lower Upper
142 100
141 96.4 70.2 105.4
115 55.4 29.3 43.9#





#13

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.199 min Scan# 14

Delta R.T. -0.000 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

Instrument :

BNA_N

ClientSampleId :

932-K1-WP0-0.25-080224

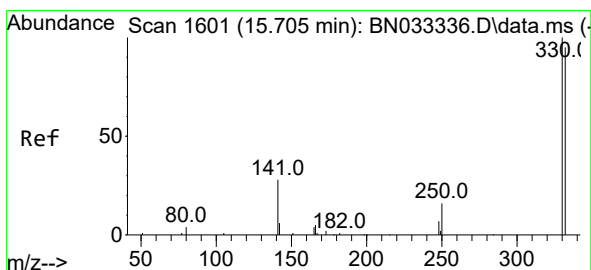
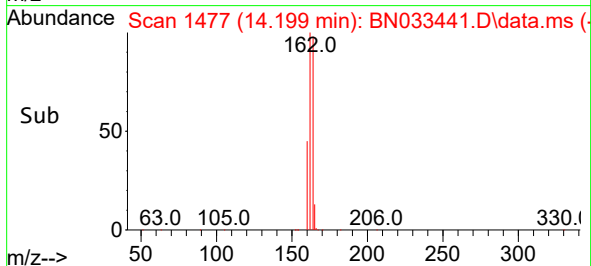
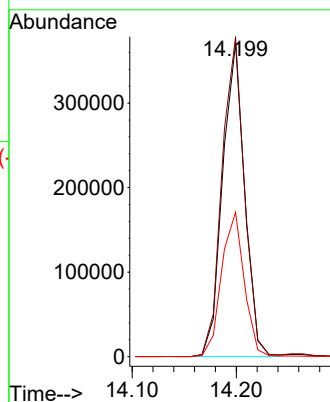
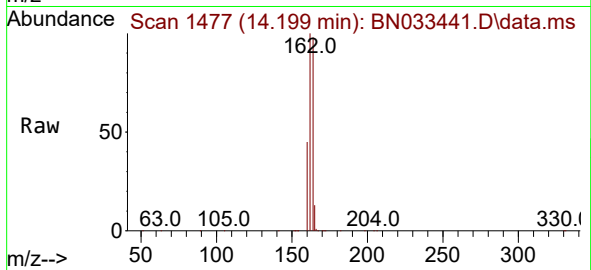
Tgt Ion:164 Resp: 544769

Ion Ratio Lower Upper

164 100

162 102.1 83.1 124.7

160 46.1 41.1 61.7



#14

2,4,6-Tribromophenol

Concen: 199.179 ng

RT: 15.700 min Scan# 1615

Delta R.T. -0.000 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

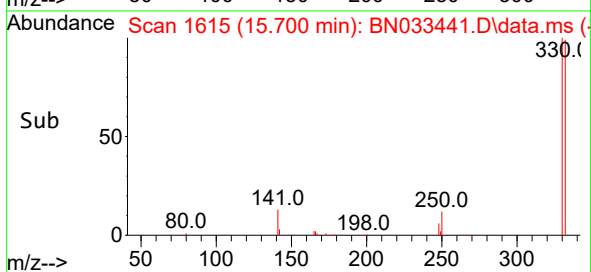
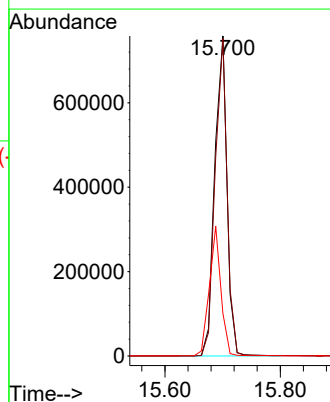
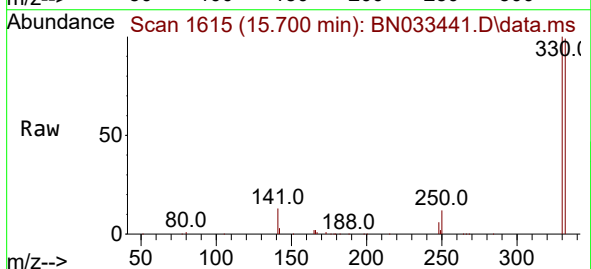
Tgt Ion:330 Resp: 1113404

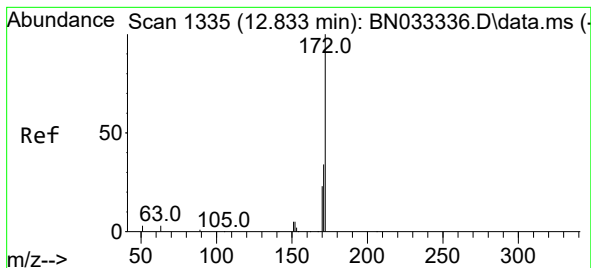
Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

141 38.5 33.4 50.0





#15

2-Fluorobiphenyl

Concen: 91.087 ng

RT: 12.820 min Scan# 1483

Delta R.T. -0.000 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

Instrument :

BNA_N

ClientSampleId :

932-K1-WP0-0.25-080224

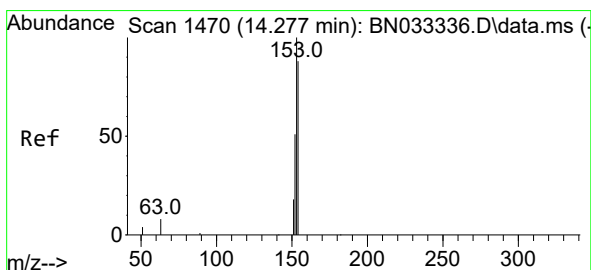
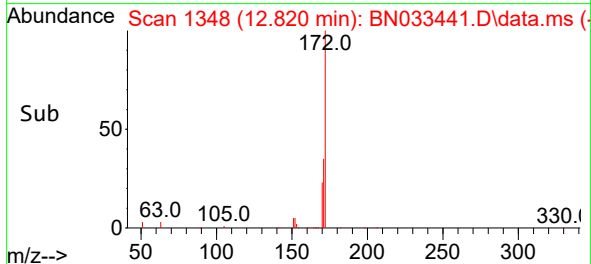
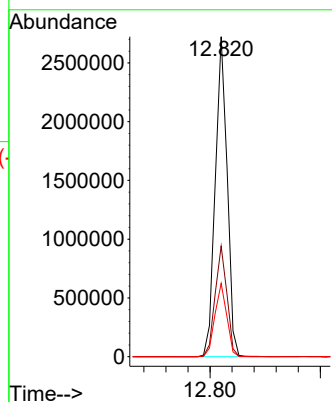
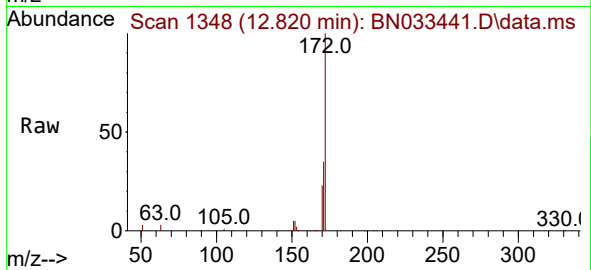
Tgt Ion:172 Resp: 4068187

Ion Ratio Lower Upper

172 100

171 34.5 27.8 41.8

170 22.9 18.7 28.1



#17

Acenaphthene

Concen: 0.181 ng

RT: 14.263 min Scan# 1483

Delta R.T. 0.000 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

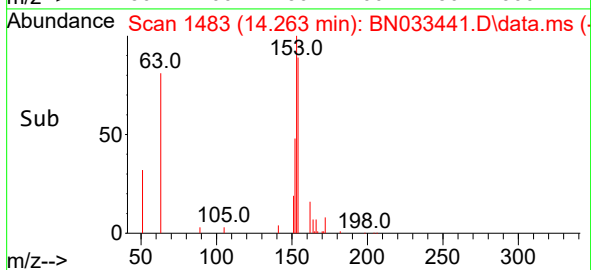
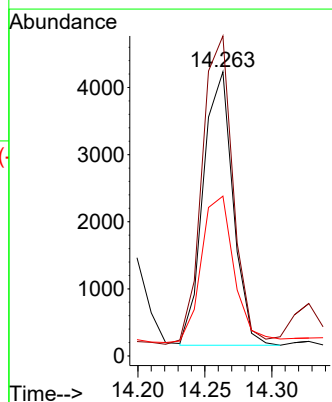
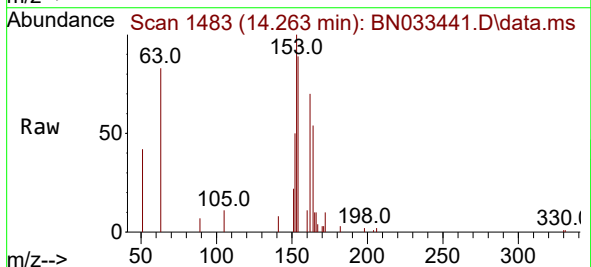
Tgt Ion:154 Resp: 6311

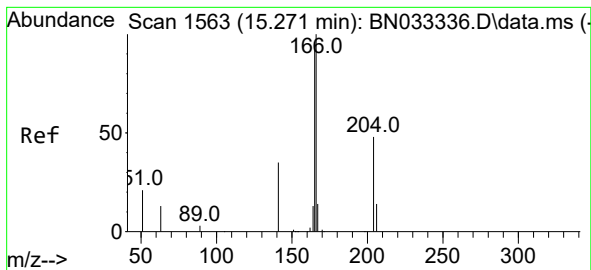
Ion Ratio Lower Upper

154 100

153 116.7 89.7 134.5

152 59.0 47.2 70.8





#18

Fluorene

Concen: 0.396 ng

RT: 15.258 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

Instrument :

BNA_N

ClientSampleId :

932-K1-WP0-0.25-080224

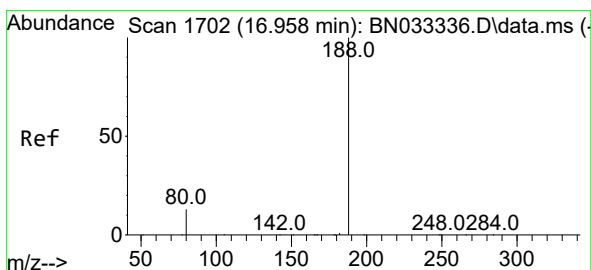
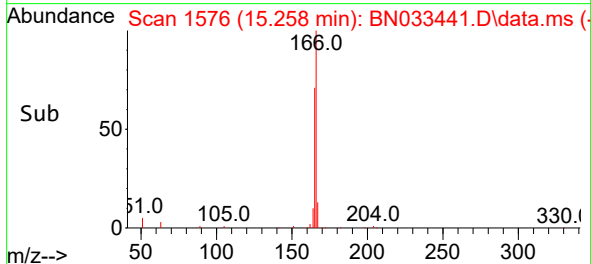
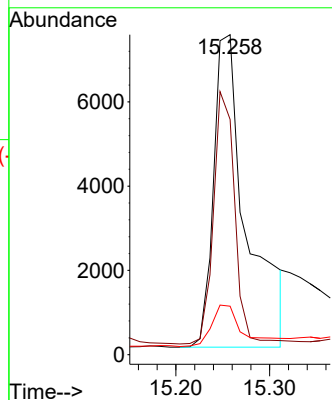
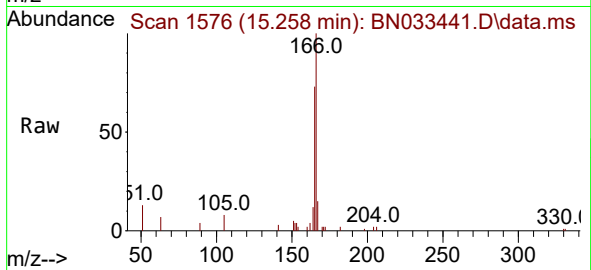
Tgt Ion:166 Resp: 18227

Ion Ratio Lower Upper

166 100

165 51.5 78.0 117.0#

167 12.7 10.7 16.1



#19

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.942 min Scan# 1715

Delta R.T. -0.012 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

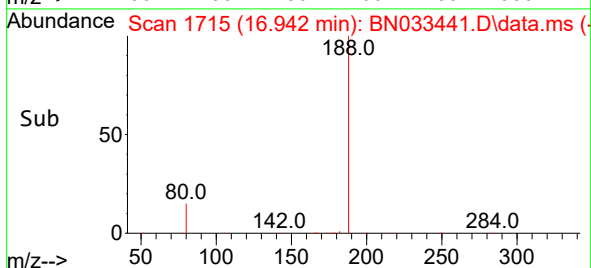
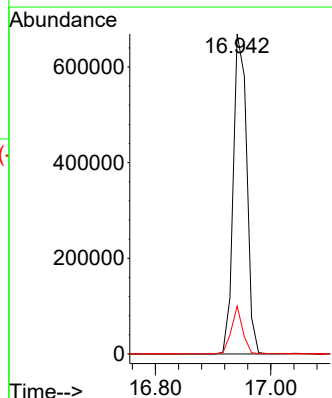
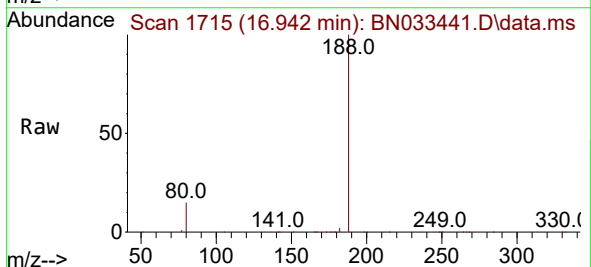
Tgt Ion:188 Resp: 1080213

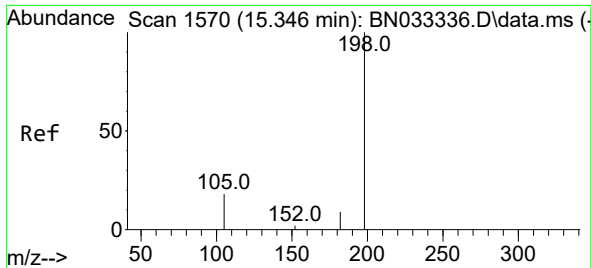
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.0 10.7 16.1

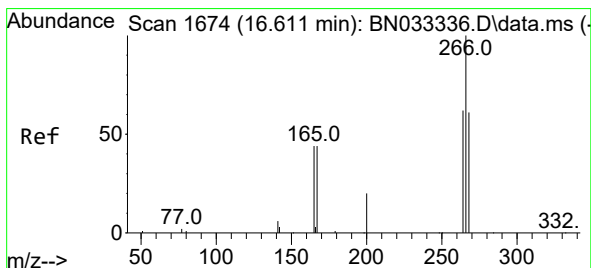
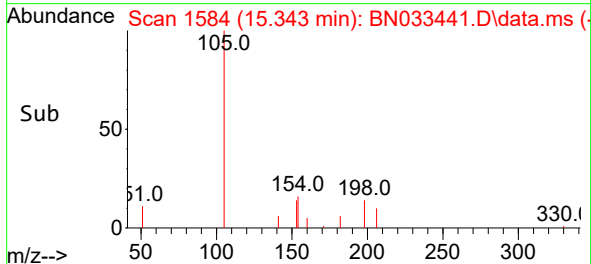
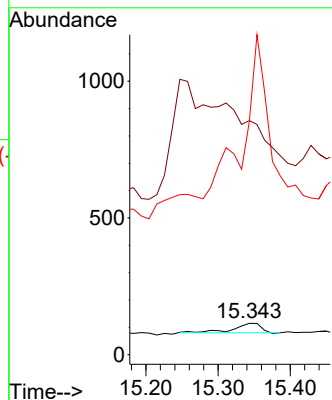
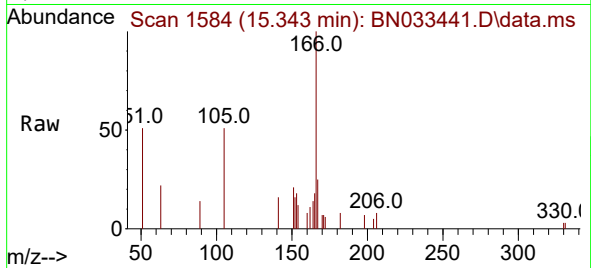




#20
4,6-Dinitro-2-methylphenol
Concen: 0.036 ng
RT: 15.343 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

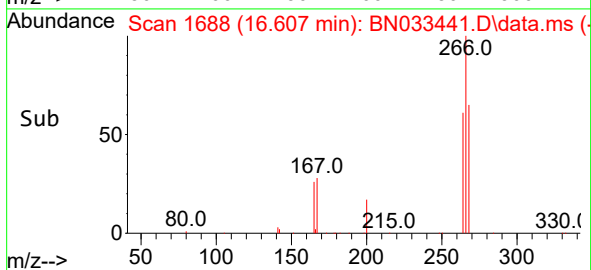
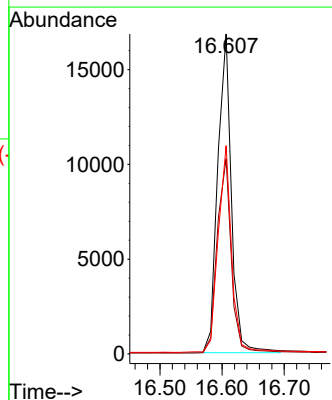
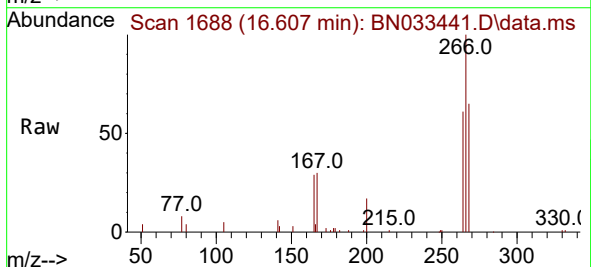
Instrument :
BNA_N
ClientSampleId :
932-K1-WP0-0.25-080224

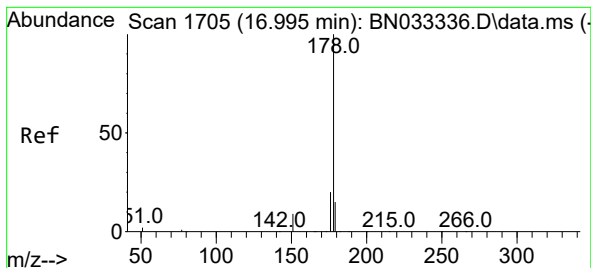
Tgt Ion:198 Resp: 94
Ion Ratio Lower Upper
198 100
51 744.3 62.8 94.2#
105 740.9 34.1 51.1#



#24
Pentachlorophenol
Concen: 4.379 ng
RT: 16.607 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

Tgt Ion:266 Resp: 25657
Ion Ratio Lower Upper
266 100
264 62.7 49.2 73.8
268 63.7 51.2 76.8





#25

Phenanthrene

Concen: 0.567 ng

RT: 16.991 min Scan# 1719

Delta R.T. -0.000 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

Instrument :

BNA_N

ClientSampleId :

932-K1-WP0-0.25-080224

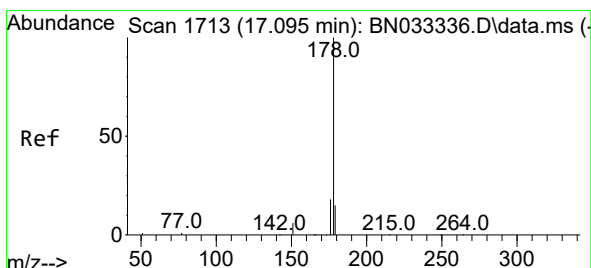
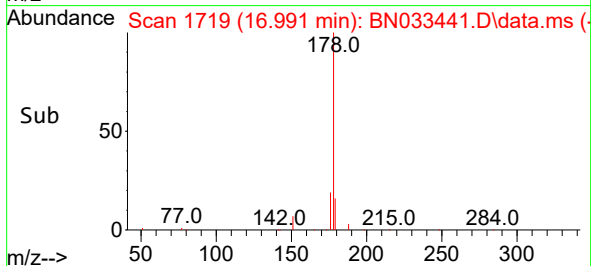
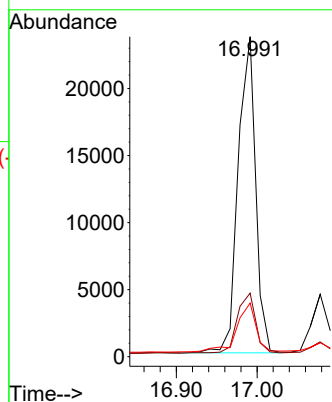
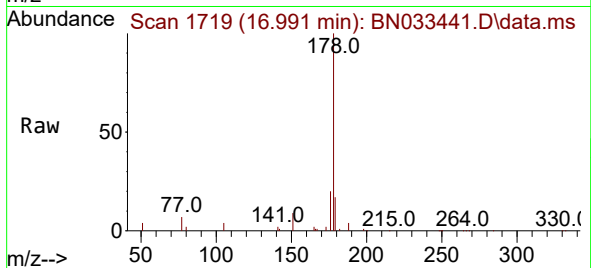
Tgt Ion:178 Resp: 35358

Ion Ratio Lower Upper

178 100

176 20.0 15.4 23.0

179 17.0 12.2 18.2



#26

Anthracene

Concen: 0.111 ng

RT: 17.078 min Scan# 1726

Delta R.T. -0.000 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

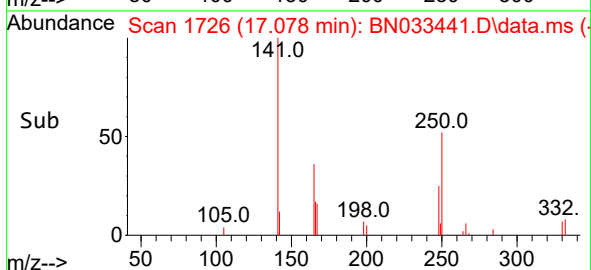
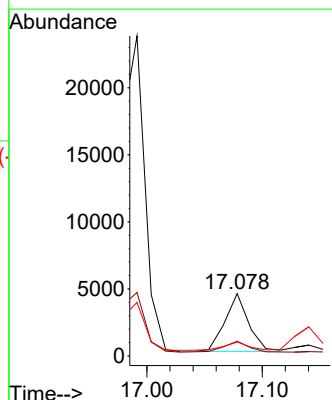
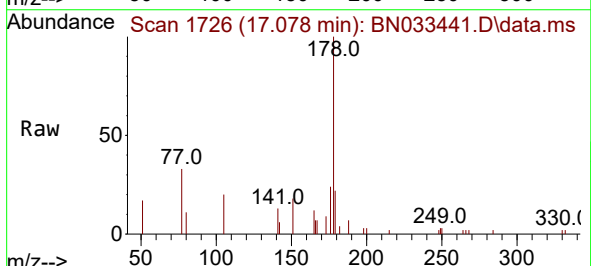
Tgt Ion:178 Resp: 6153

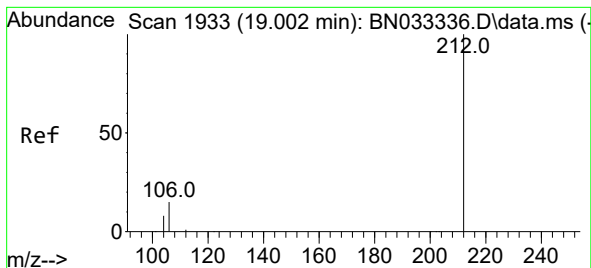
Ion Ratio Lower Upper

178 100

176 19.5 14.7 22.1

179 14.6 12.2 18.2





#27

Fluoranthene-d10

Concen: 0.012 ng

RT: 18.993 min Scan# 1946

Delta R.T. 0.000 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

Instrument :

BNA_N

ClientSampleId :

932-K1-WP0-0.25-080224

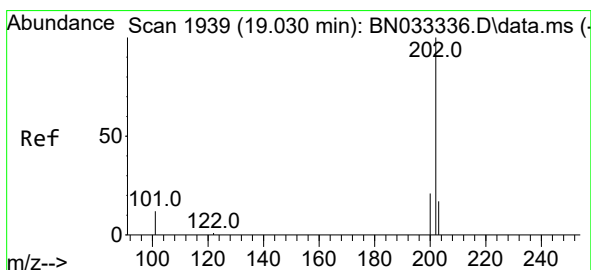
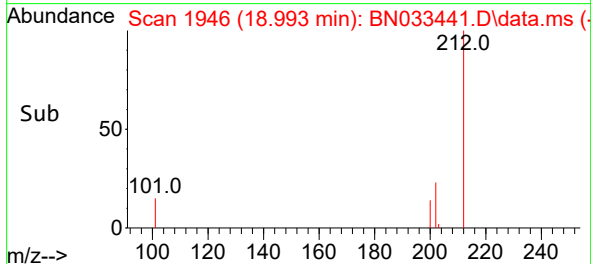
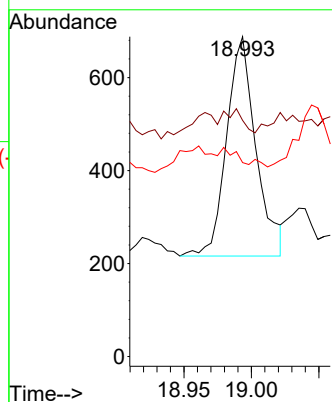
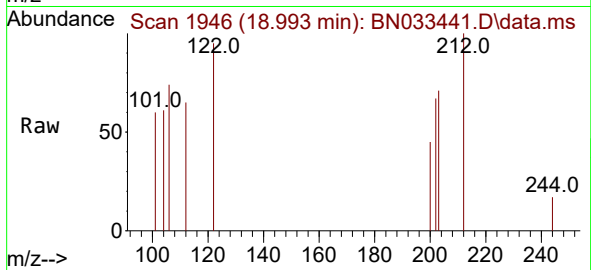
Tgt Ion:212 Resp: 715

Ion Ratio Lower Upper

212 100

106 6.6 12.8 19.2#

104 0.0 7.1 10.7#



#28

Fluoranthene

Concen: 0.114 ng

RT: 19.017 min Scan# 1951

Delta R.T. -0.005 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

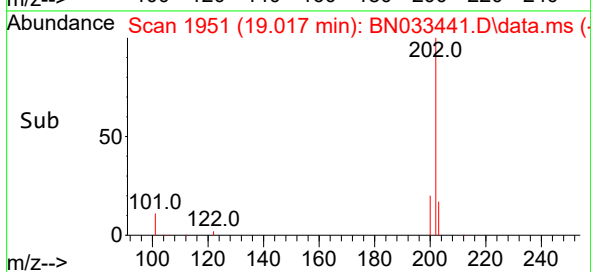
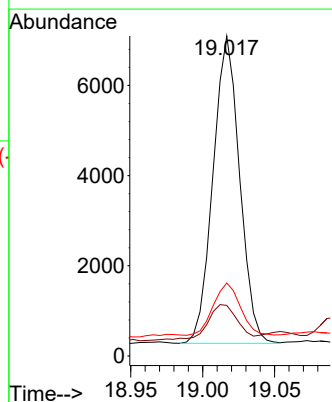
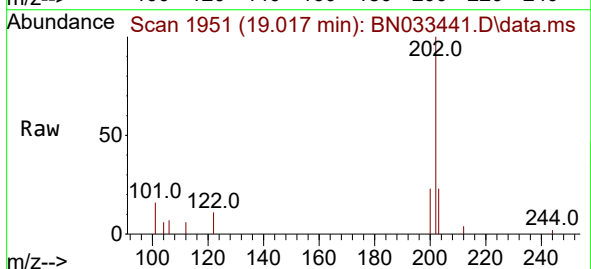
Tgt Ion:202 Resp: 8763

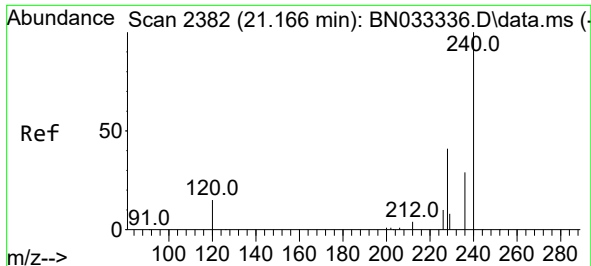
Ion Ratio Lower Upper

202 100

101 13.7 9.8 14.6

203 17.5 13.8 20.6

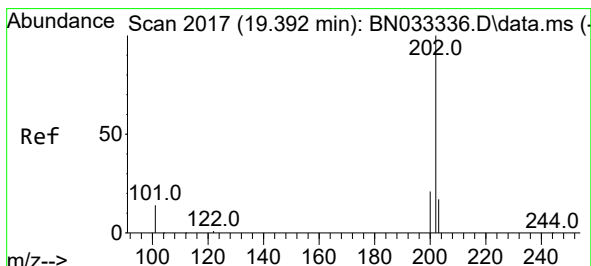
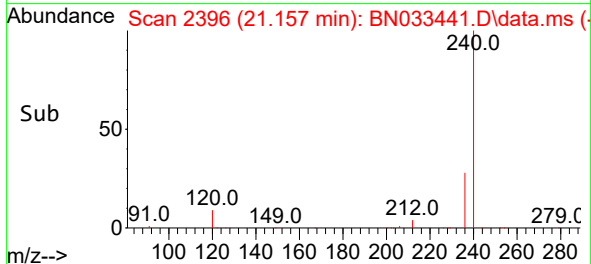
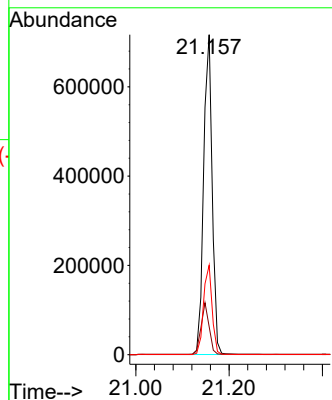
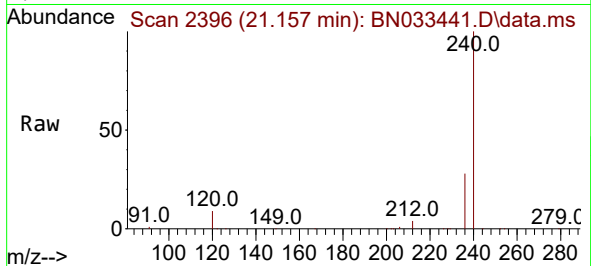




#29
Chrysene-d12
Concen: 20.000 ng
RT: 21.157 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

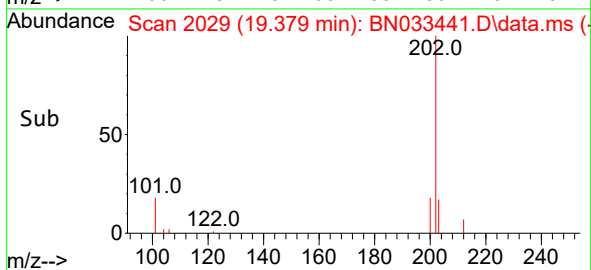
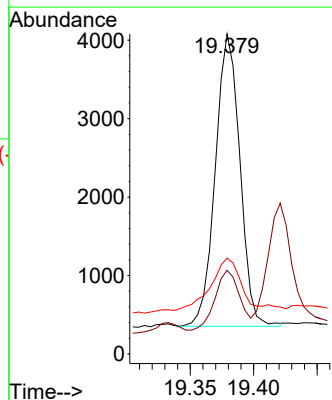
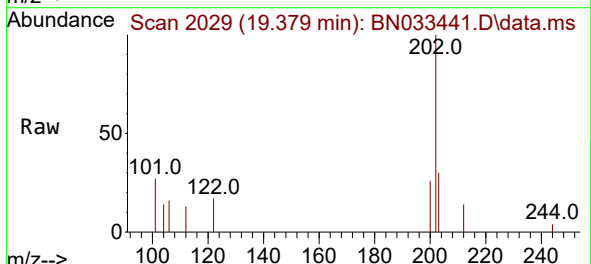
Instrument :
BNA_N
ClientSampleId :
932-K1-WP0-0.25-080224

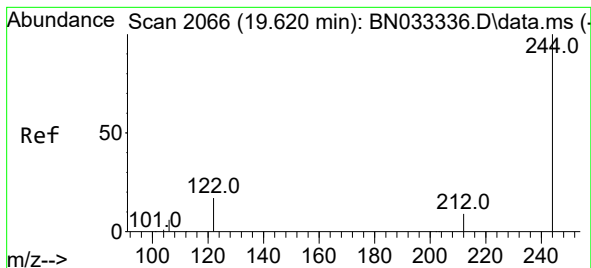
Tgt Ion:240 Resp: 914366
Ion Ratio Lower Upper
240 100
120 8.7 13.0 19.6#
236 27.9 23.2 34.8



#30
Pyrene
Concen: 0.069 ng
RT: 19.379 min Scan# 2029
Delta R.T. -0.005 min
Lab File: BN033441.D
Acq: 16 Aug 2024 21:28

Tgt Ion:202 Resp: 5017
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 25.2 14.2 21.4#





#31

Terphenyl-d14

Concen: 103.346 ng

RT: 19.607 min Scan# 2066

Delta R.T. -0.000 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

Instrument :

BNA_N

ClientSampleId :

932-K1-WP0-0.25-080224

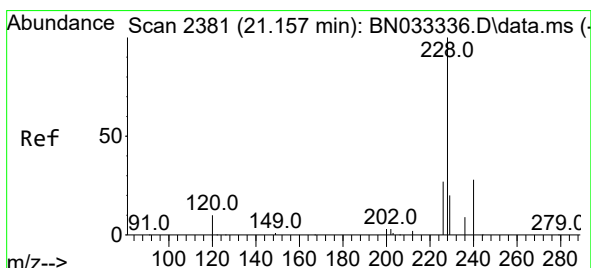
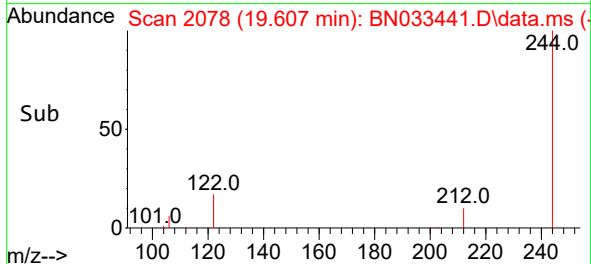
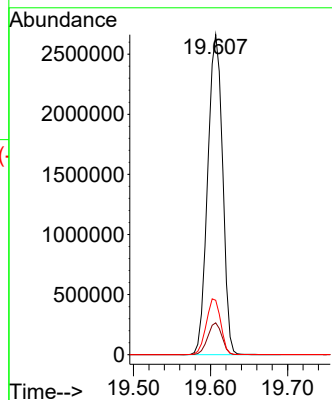
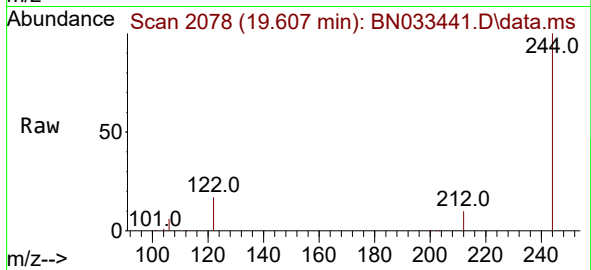
Tgt Ion:244 Resp: 3570464

Ion Ratio Lower Upper

244 100

212 9.9 7.7 11.5

122 17.0 14.0 21.0



#32

Benzo(a)anthracene

Concen: 0.062 ng

RT: 21.157 min Scan# 2396

Delta R.T. 0.018 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

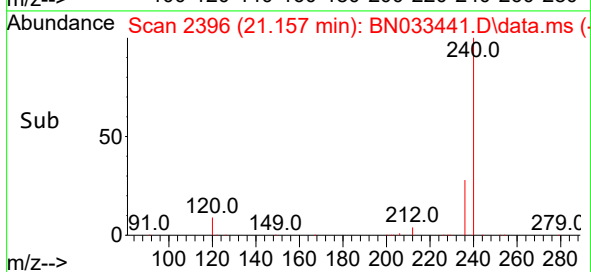
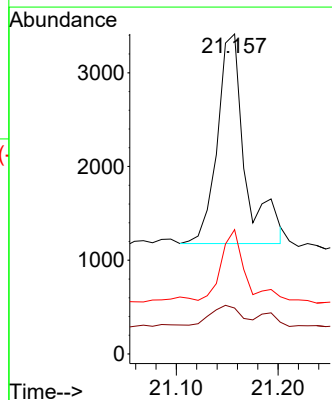
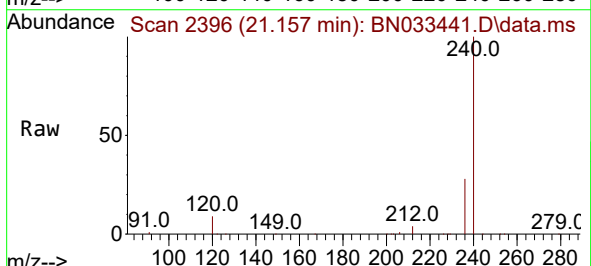
Tgt Ion:228 Resp: 4241

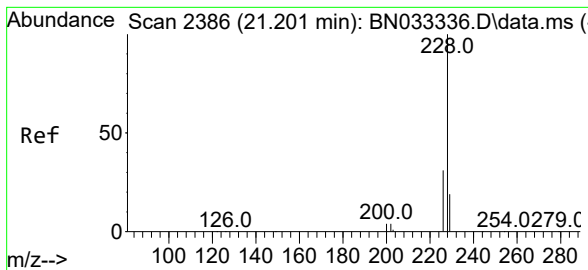
Ion Ratio Lower Upper

228 100

226 14.4 21.6 32.4#

229 38.9 15.9 23.9#





#33

Chrysene

Concen: 0.068 ng

RT: 21.157 min Scan# 21

Delta R.T. -0.036 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

Instrument :

BNA_N

ClientSampleId :

932-K1-WP0-0.25-080224

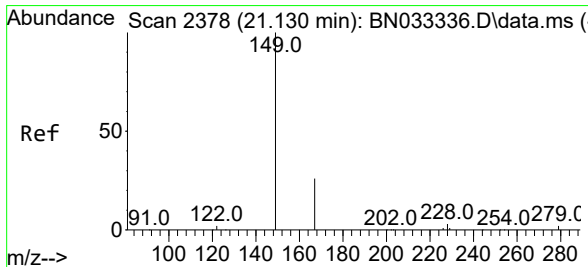
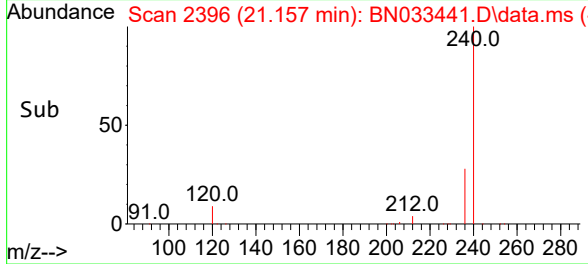
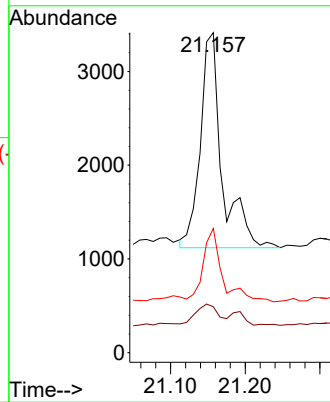
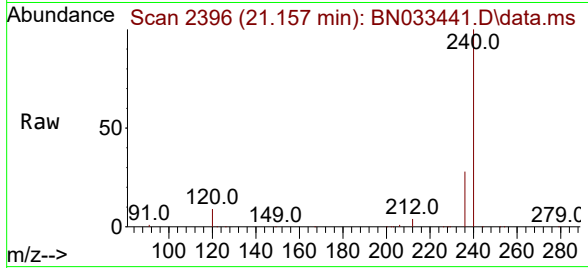
Tgt Ion:228 Resp: 4651

Ion Ratio Lower Upper

228 100

226 14.4 24.7 37.1#

229 38.9 15.4 23.2#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.272 ng

RT: 21.103 min Scan# 2390

Delta R.T. -0.009 min

Lab File: BN033441.D

Acq: 16 Aug 2024 21:28

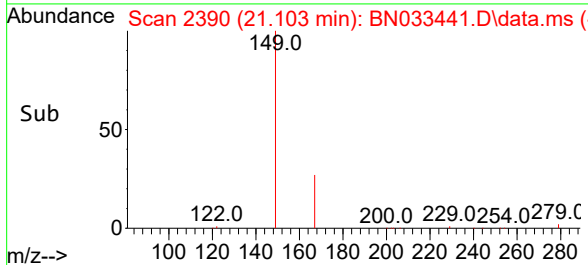
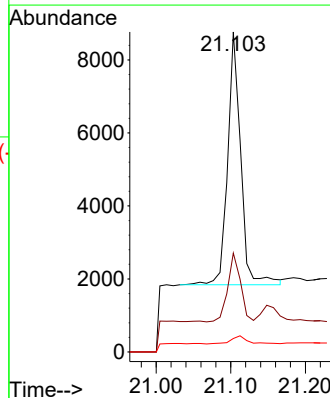
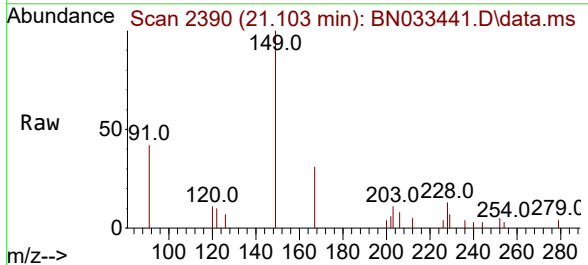
Tgt Ion:149 Resp: 8438

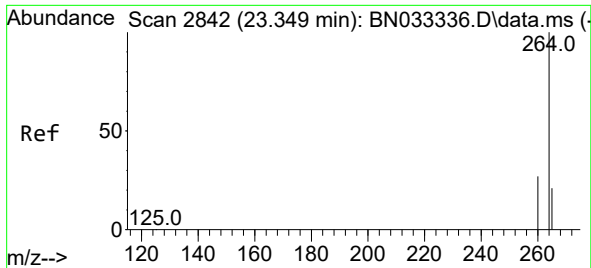
Ion Ratio Lower Upper

149 100

167 26.7 20.9 31.3

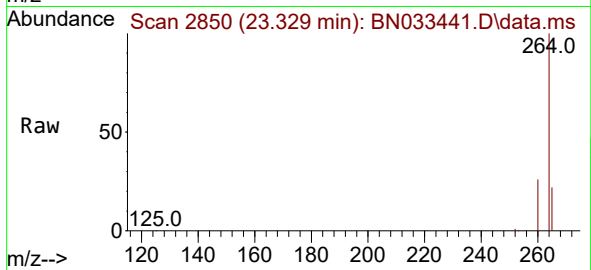
279 4.0 2.2 3.4#





#35
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.329 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BN033441.D
 Acq: 16 Aug 2024 21:28

Instrument :
 BNA_N
 ClientSampleId :
 932-K1-WP0-0.25-080224



Tgt Ion:264 Resp: 963475
 Ion Ratio Lower Upper
 264 100
 260 25.8 21.6 32.4
 265 22.0 29.3 43.9#

