

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033575.D
 Acq On : 23 Aug 2024 05:18
 Operator : MA/JU
 Sample : P3671-12
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-903-J-SO-0.5-1.0-081924

Quant Time: Aug 23 05:56:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 00:22:18 2024
 Response via : Initial Calibration

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

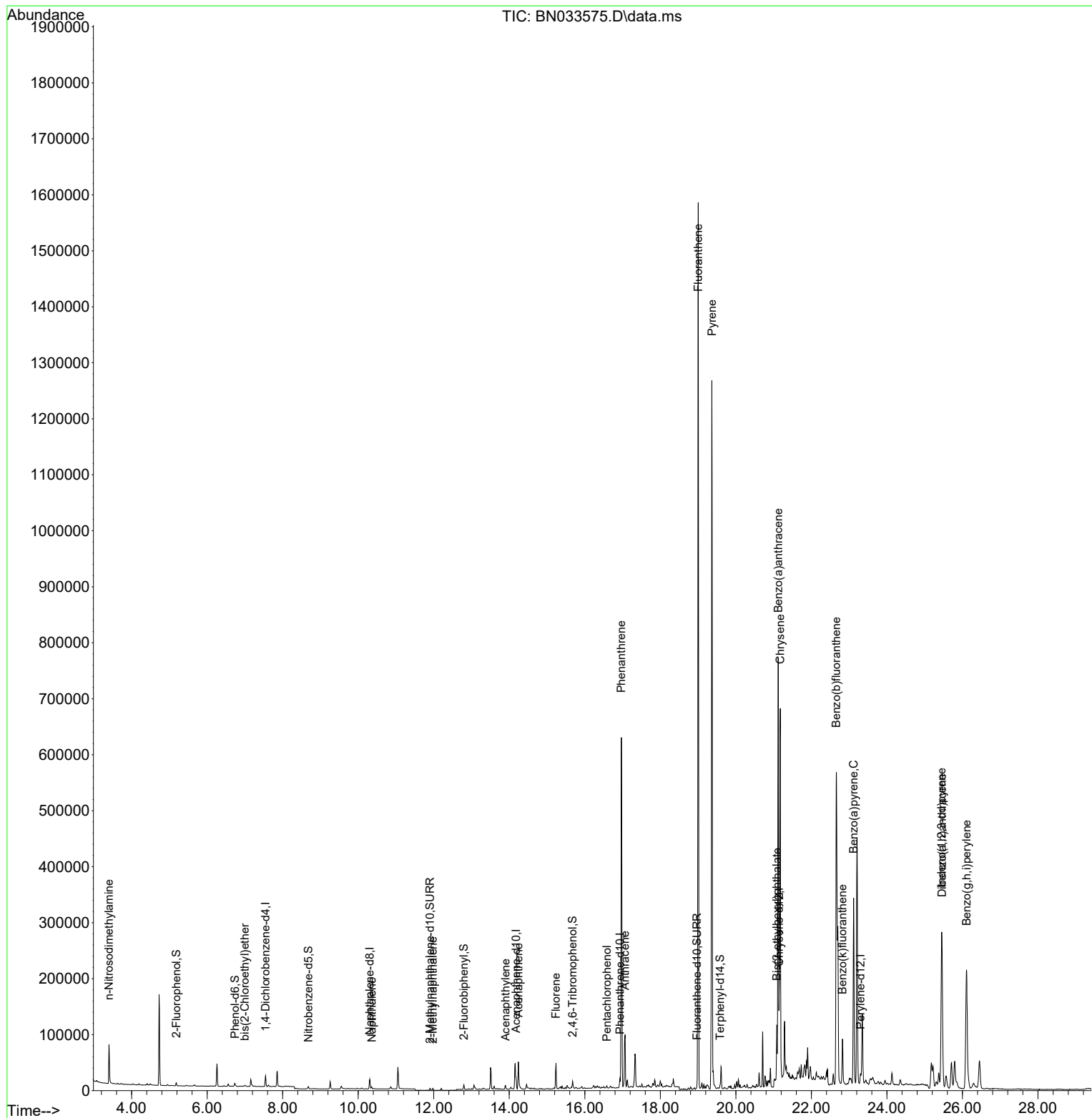
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8161	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	20804	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	10684	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	19994	0.400	ng	0.00
29) Chrysene-d12	21.139	240	20246	0.400	ng	# 0.00
35) Perylene-d12	23.300	264	21193	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4054	0.156	ng	0.00
5) Phenol-d6	6.736	99	4771	0.155	ng	0.00
8) Nitrobenzene-d5	8.681	82	3309	0.192	ng	0.00
11) 2-Methylnaphthalene-d10	11.900	152	4915	0.165	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	930	0.162	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	6630	0.152	ng	0.00
27) Fluoranthene-d10	18.970	212	7798	0.162	ng	0.00
31) Terphenyl-d14	19.584	244	5627	0.122	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.399	42	8941	0.819	ng	# 1
6) bis(2-Chloroethyl)ether	6.996	93	2368	0.108	ng	# 32
9) Naphthalene	10.357	128	5094	0.092	ng	# 95
12) 2-Methylnaphthalene	11.975	142	2432	0.069	ng	# 94
16) Acenaphthylene	13.900	152	7656	0.163	ng	98
17) Acenaphthene	14.242	154	21932	0.665	ng	98
18) Fluorene	15.236	166	28501	0.686	ng	95
24) Pentachlorophenol	16.582	266	182	0.031	ng	# 84
25) Phenanthrene	16.967	178	637000	11.452	ng	100
26) Anthracene	17.066	178	108356	2.202	ng	# 95
28) Fluoranthene	19.003	202	1359855	22.123	ng	100
30) Pyrene	19.365	202	1125075	12.451	ng	# 94
32) Benzo(a)anthracene	21.122	228	585697	8.002	ng	98
33) Chrysene	21.175	228	628331	8.636	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	68945	1.488	ng	94
36) Indeno(1,2,3-cd)pyrene	25.449	276	414919	4.716	ng	95
37) Benzo(b)fluoranthene	22.660	252	851426	10.758	ng	# 92
38) Benzo(k)fluoranthene	22.823	252	83091	1.067	ng	94
39) Benzo(a)pyrene	23.119	252	415350	6.343	ng	92
40) Dibenzo(a,h)anthracene	25.458	278	93909	1.335	ng	98
41) Benzo(g,h,i)perylene	26.107	276	410026	5.450	ng	98

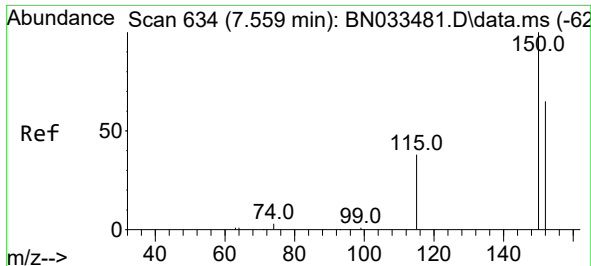
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
Data File : BN033575.D
Acq On : 23 Aug 2024 05:18
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Sample : P3671-12
Misc :
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Instrument :
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S-903-J-SO-0.5-1.0-081924

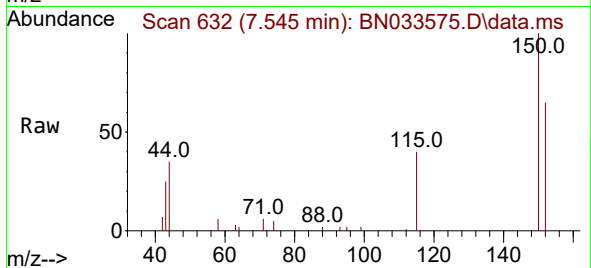
Quant Time: Aug 23 05:56:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
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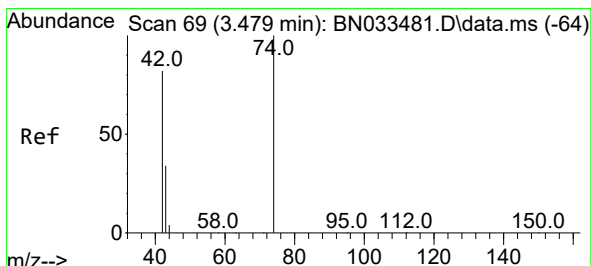
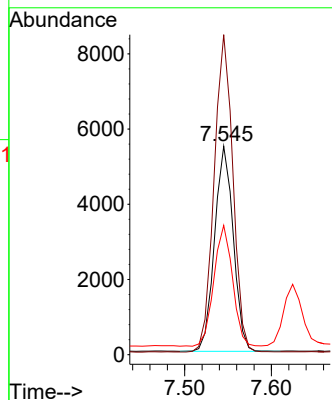
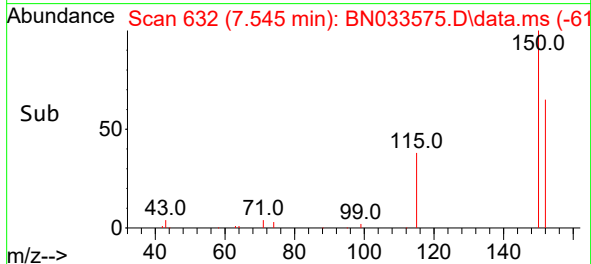


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

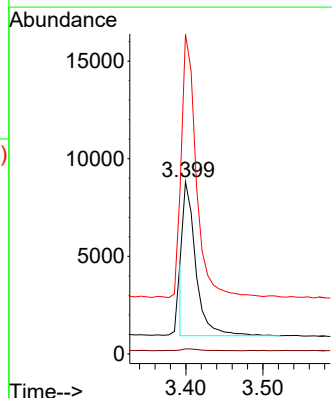
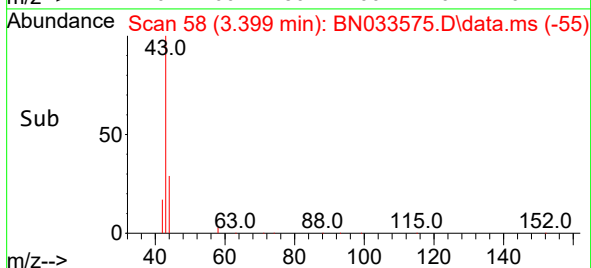
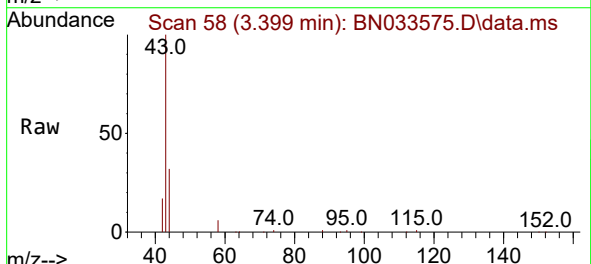


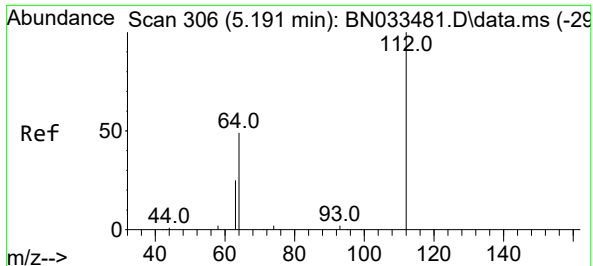
Tgt Ion:152 Resp: 8161
Ion Ratio Lower Upper
152 100
150 153.5 122.2 183.2
115 62.0 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.819 ng
RT: 3.399 min Scan# 58
Delta R.T. -0.079 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Tgt Ion: 42 Resp: 8941
Ion Ratio Lower Upper
42 100
74 1.5 100.2 150.2#
44 173.9 5.3 7.9#

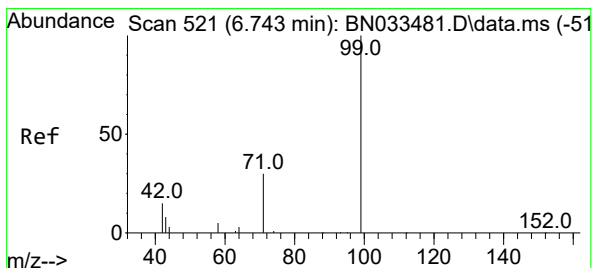
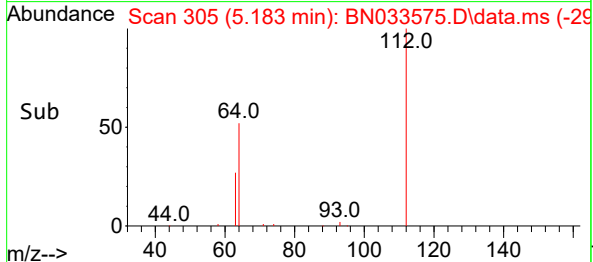
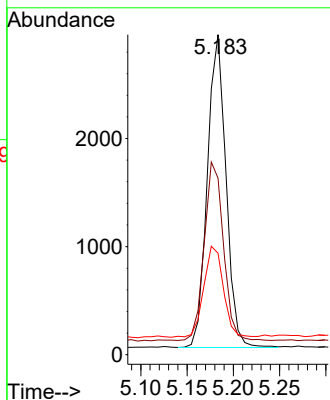
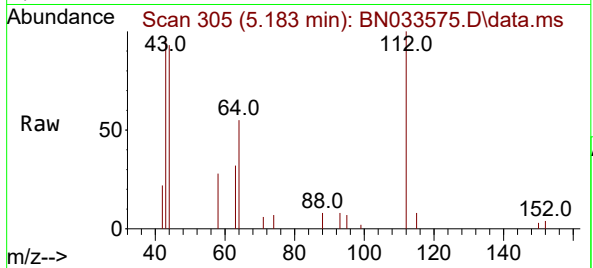




#4
2-Fluorophenol
Concen: 0.156 ng
RT: 5.183 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

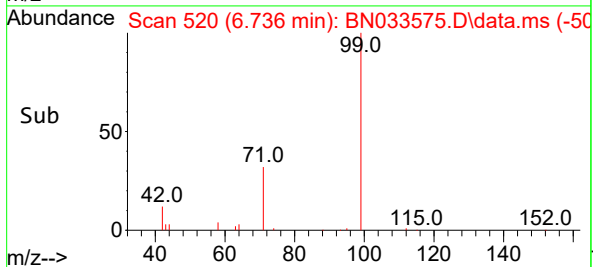
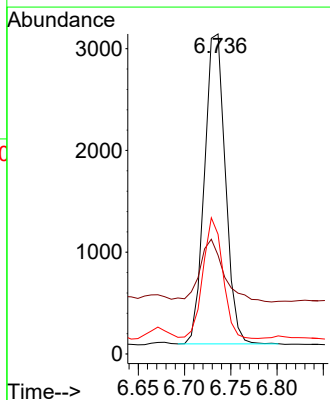
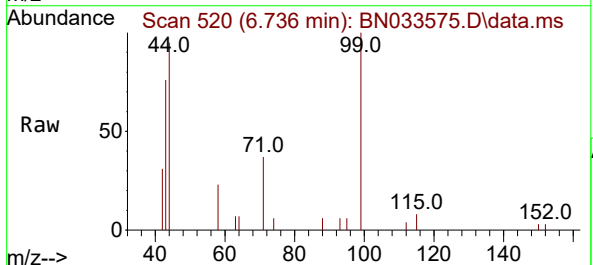
Instrument :
BNA_N
ClientSampleId :
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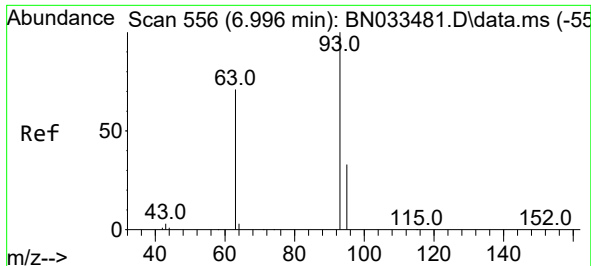
Tgt Ion:	112	Resp:	4054
Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.1	70.7
63	30.4	24.9	37.3



#5
Phenol-d6
Concen: 0.155 ng
RT: 6.736 min Scan# 520
Delta R.T. 0.007 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Tgt Ion:	99	Resp:	4771
Ion	Ratio	Lower	Upper
99	100		
42	23.5	16.6	24.8
71	37.3	26.2	39.4

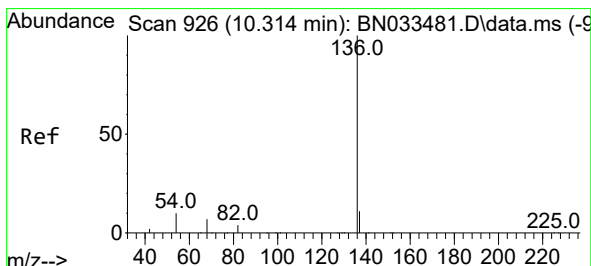
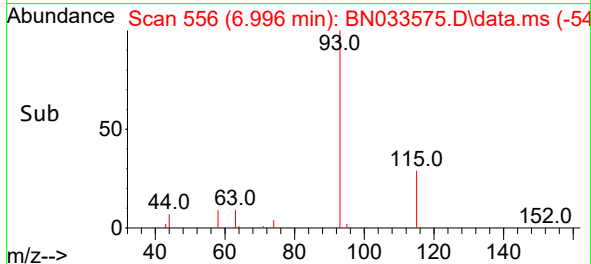
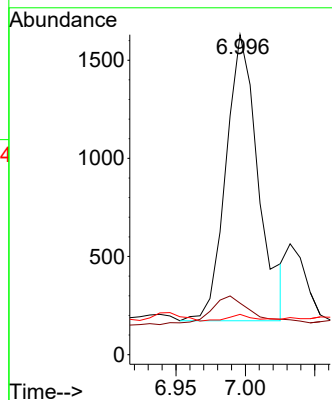
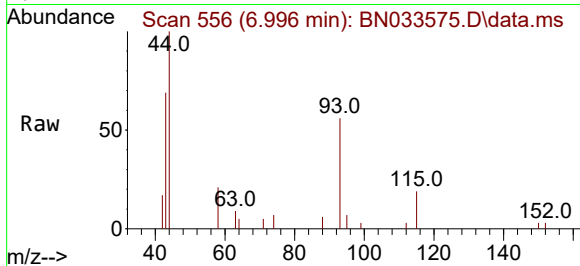




#6
bis(2-Chloroethyl)ether
Concen: 0.108 ng
RT: 6.996 min Scan# 51
Delta R.T. 0.014 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

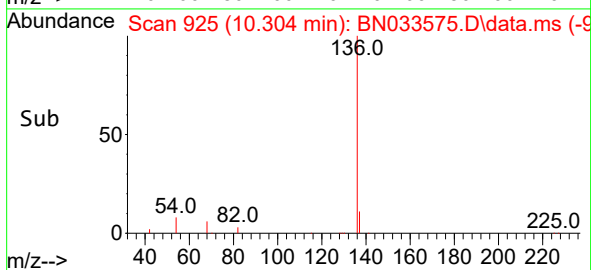
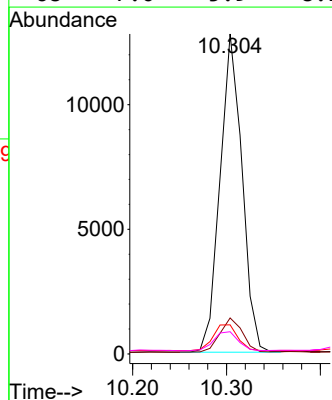
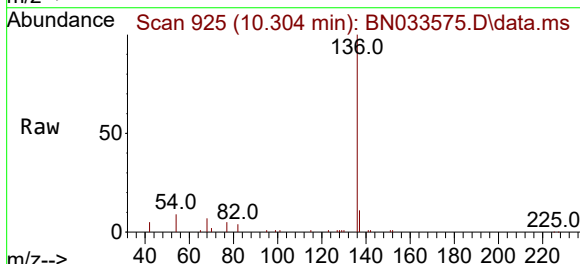
Instrument :
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ClientSampleId :
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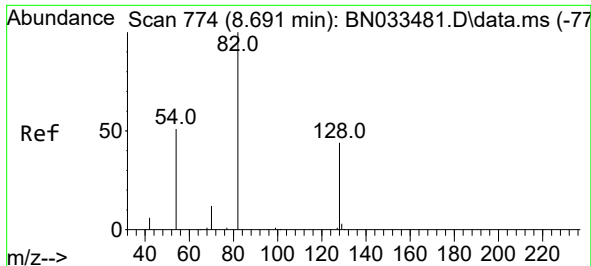
Tgt Ion: 93 Resp: 2368
Ion Ratio Lower Upper
93 100
63 14.1 63.0 94.4#
95 2.1 26.0 39.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Tgt Ion: 136 Resp: 20804
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 9.1 8.3 12.5
68 7.0 5.9 8.9

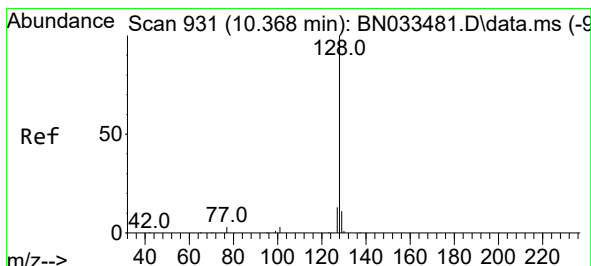
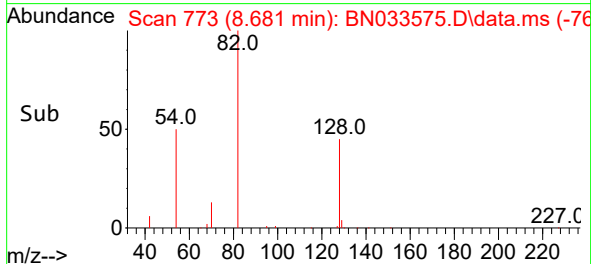
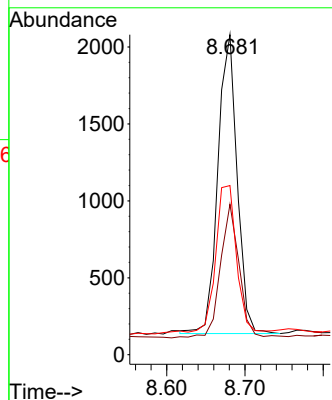
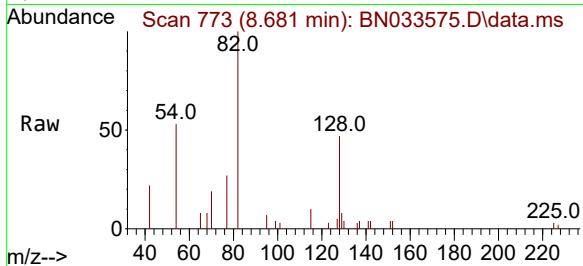




#8
Nitrobenzene-d5
Concen: 0.192 ng
RT: 8.681 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

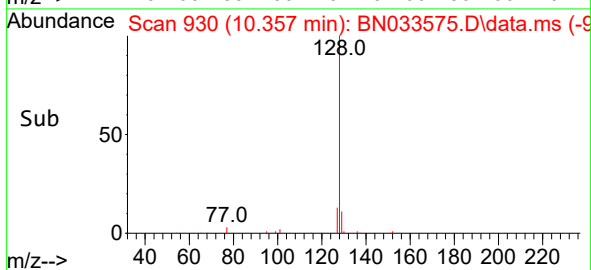
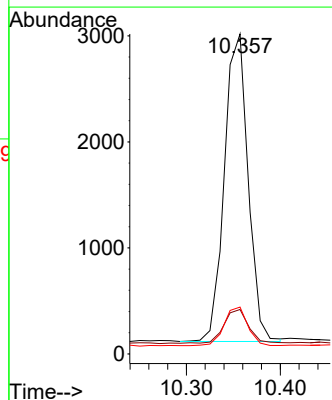
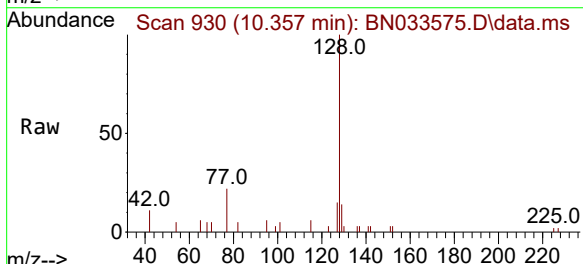
Instrument :
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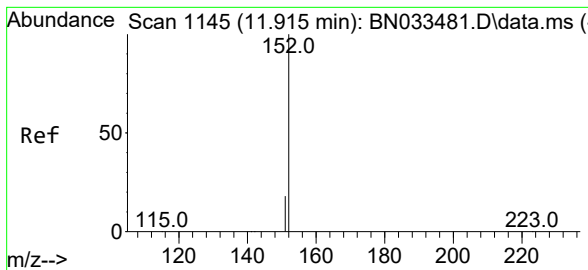
Tgt Ion: 82 Resp: 3309
Ion Ratio Lower Upper
82 100
128 47.0 36.0 54.0
54 52.8 42.0 63.0



#9
Naphthalene
Concen: 0.092 ng
RT: 10.357 min Scan# 930
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Tgt Ion: 128 Resp: 5094
Ion Ratio Lower Upper
128 100
129 13.9 9.1 13.7#
127 14.6 10.7 16.1

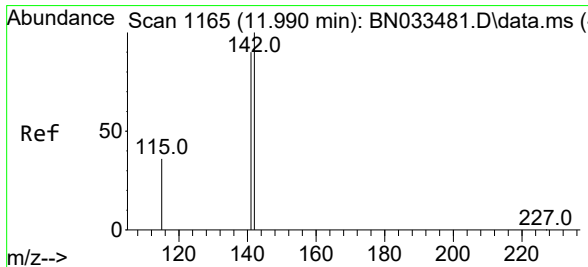
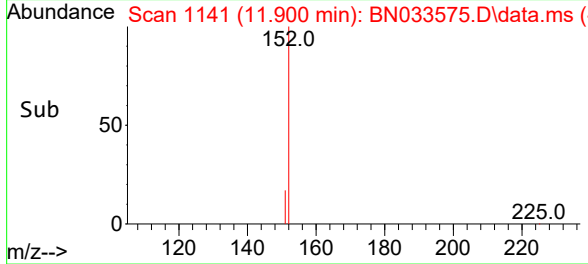
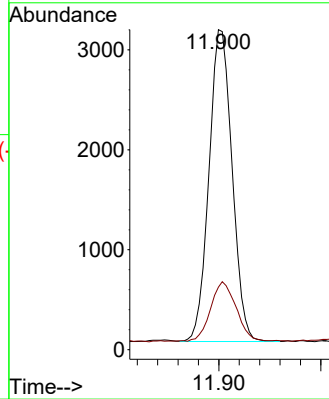
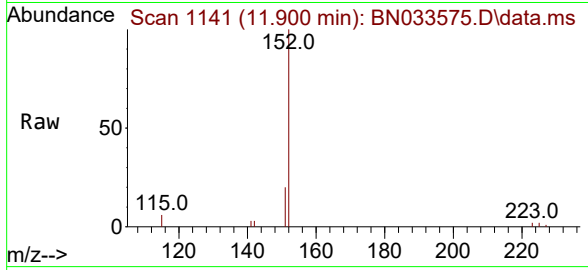




#11
2-Methylnaphthalene-d10
Concen: 0.165 ng
RT: 11.900 min Scan# 1145
Delta R.T. -0.004 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

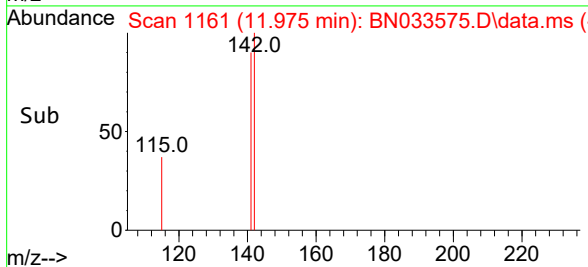
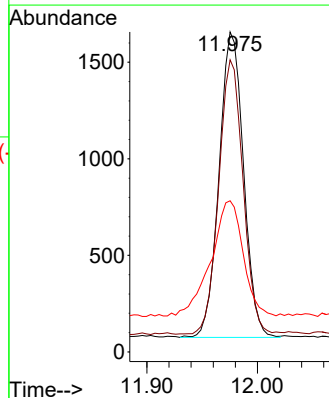
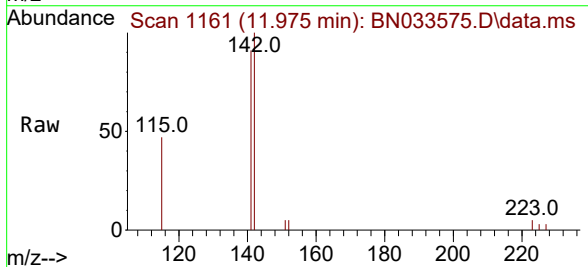
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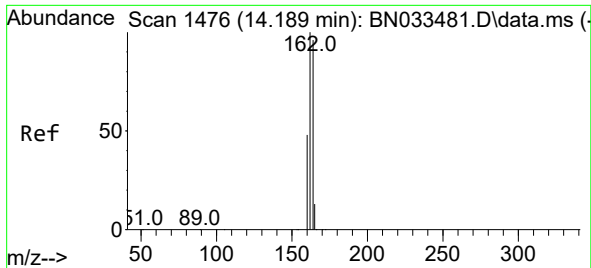
Tgt Ion:152 Resp: 4915
Ion Ratio Lower Upper
152 100
151 20.8 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.069 ng
RT: 11.975 min Scan# 1161
Delta R.T. -0.004 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Tgt Ion:142 Resp: 2432
Ion Ratio Lower Upper
142 100
141 91.3 71.7 107.5
115 47.3 29.4 44.2#

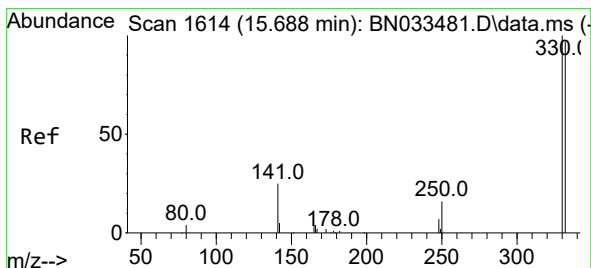
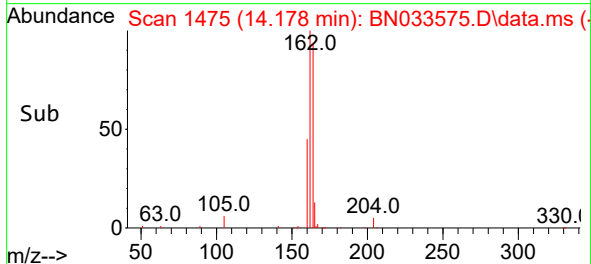
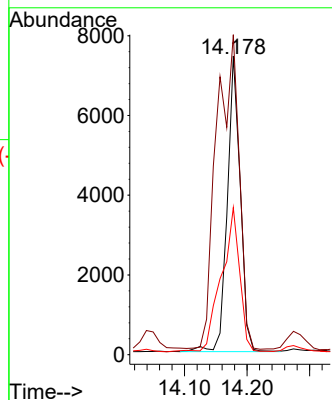
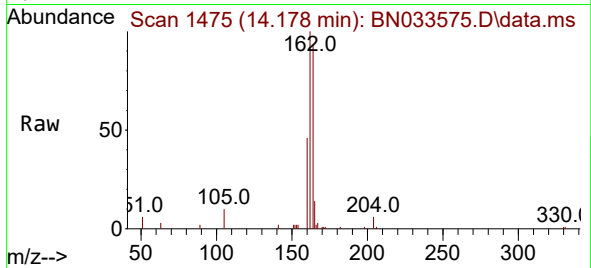




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

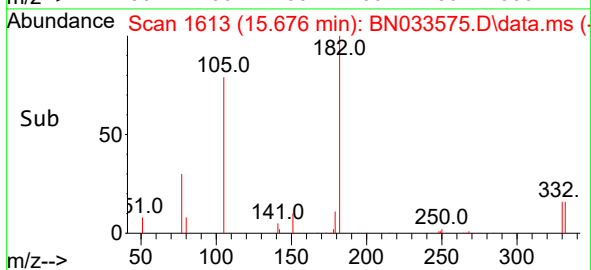
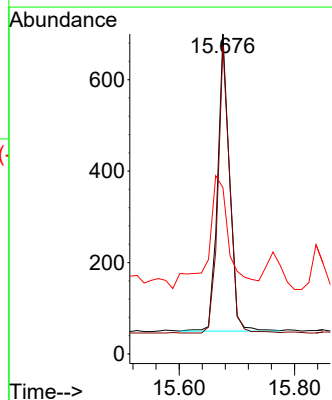
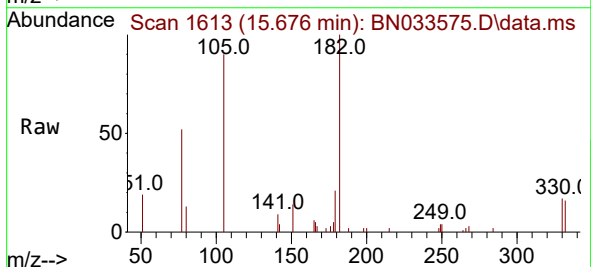
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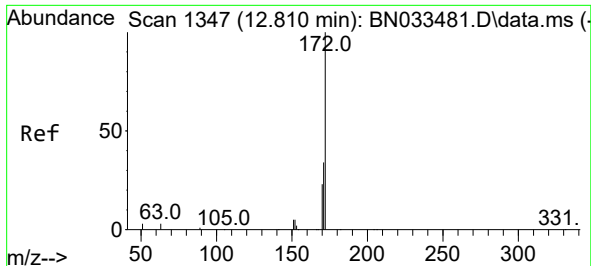
Tgt Ion:164 Resp: 10684
Ion Ratio Lower Upper
164 100
162 107.1 83.5 125.3
160 49.2 40.2 60.4



#14
2,4,6-Tribromophenol
Concen: 0.162 ng
RT: 15.676 min Scan# 1613
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Tgt Ion:330 Resp: 930
Ion Ratio Lower Upper
330 100
332 96.2 77.5 116.3
141 48.1 33.9 50.9

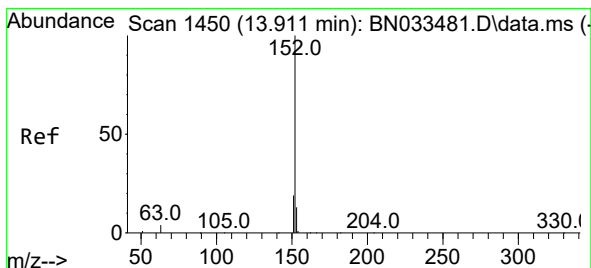
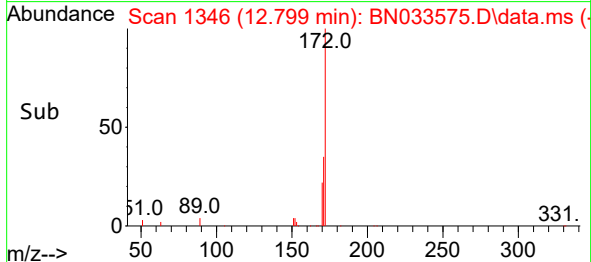
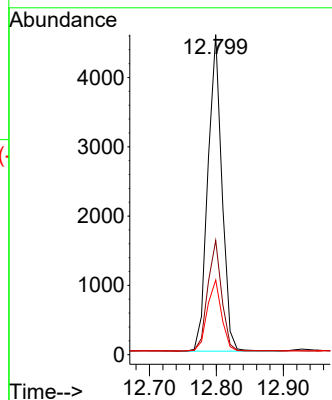
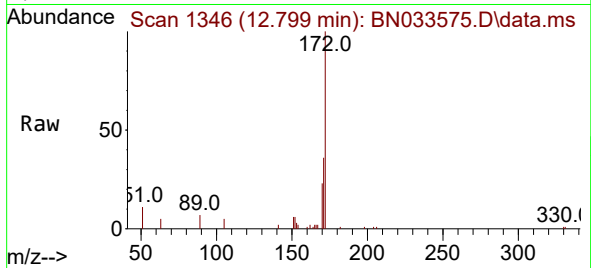




#15
2-Fluorobiphenyl
Concen: 0.152 ng
RT: 12.799 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

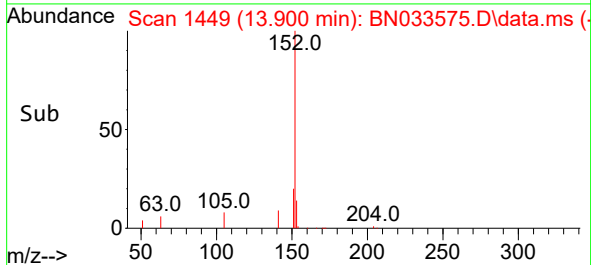
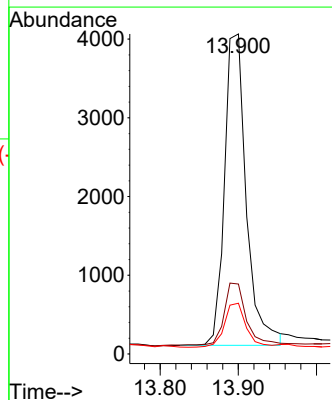
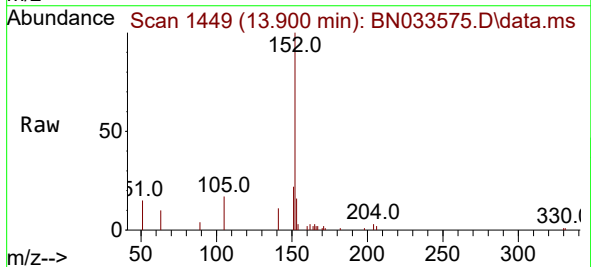
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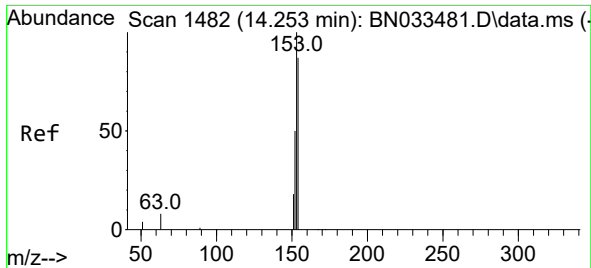
Tgt Ion:172 Resp: 6630
Ion Ratio Lower Upper
172 100
171 35.7 27.7 41.5
170 23.3 18.3 27.5



#16
Acenaphthylene
Concen: 0.163 ng
RT: 13.900 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Tgt Ion:152 Resp: 7656
Ion Ratio Lower Upper
152 100
151 20.0 15.7 23.5
153 14.2 10.3 15.5

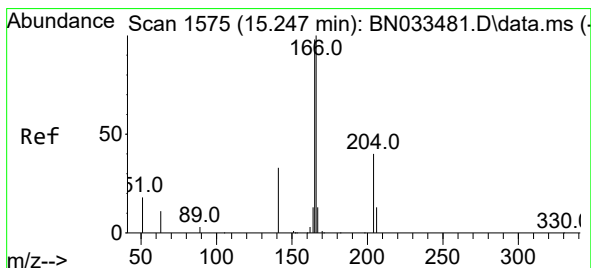
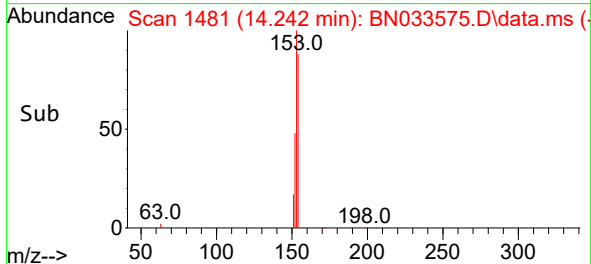
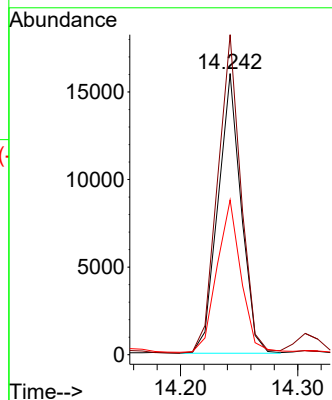
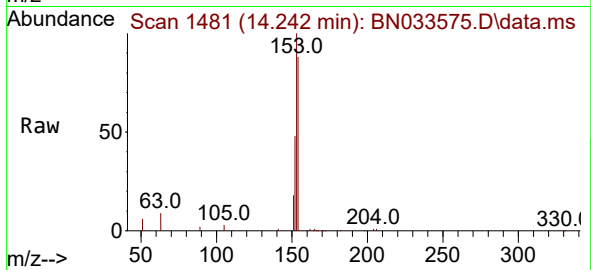




#17
Acenaphthene
Concen: 0.665 ng
RT: 14.242 min Scan# 1481
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

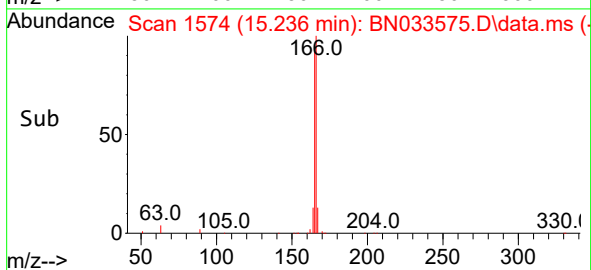
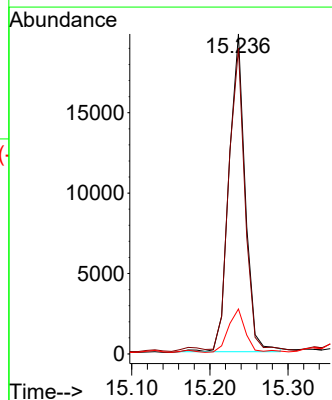
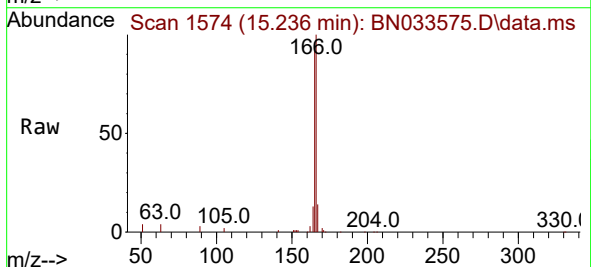
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

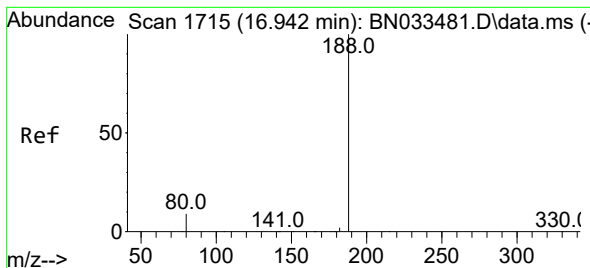
Tgt Ion:154 Resp: 21932
Ion Ratio Lower Upper
154 100
153 114.5 89.0 133.6
152 56.2 45.2 67.8



#18
Fluorene
Concen: 0.686 ng
RT: 15.236 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Tgt Ion:166 Resp: 28501
Ion Ratio Lower Upper
166 100
165 92.8 78.2 117.4
167 14.5 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.929 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

Instrument :

BNA_N

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

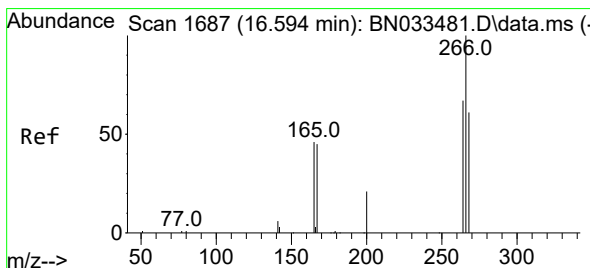
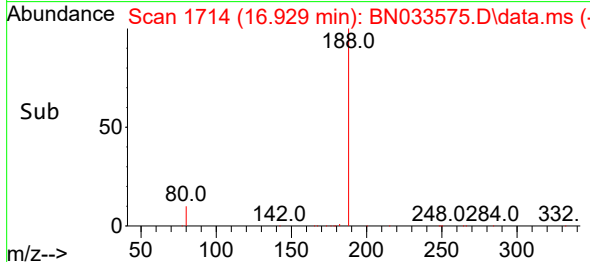
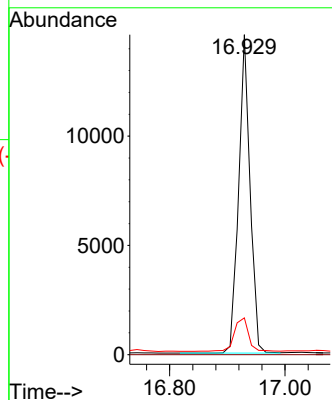
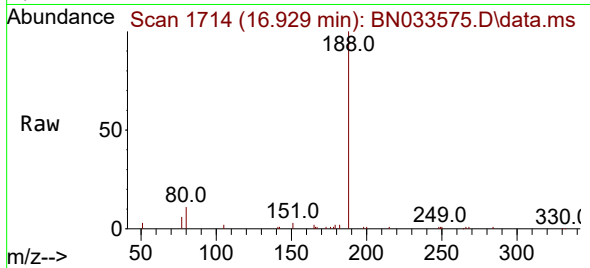
Tgt Ion:188 Resp: 19994

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.5 7.8 11.8



#24

Pentachlorophenol

Concen: 0.031 ng

RT: 16.582 min Scan# 1686

Delta R.T. -0.012 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

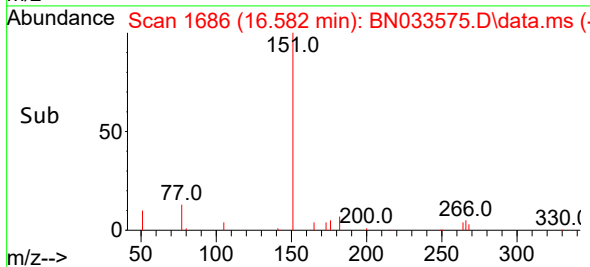
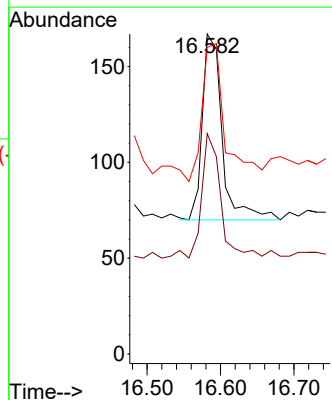
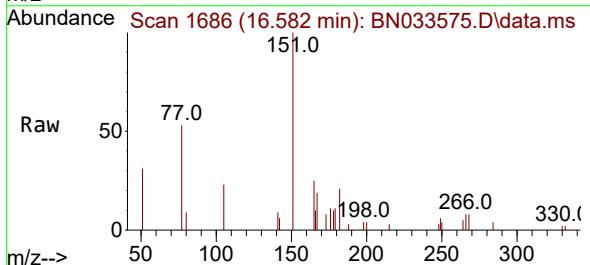
Tgt Ion:266 Resp: 182

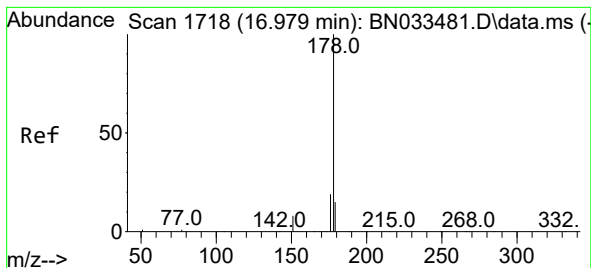
Ion Ratio Lower Upper

266 100

264 66.5 51.9 77.9

268 86.8 51.0 76.4#





#25

Phenanthrene

Concen: 11.452 ng

RT: 16.967 min Scan# 1717

Delta R.T. 0.000 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

Instrument :

BNA_N

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

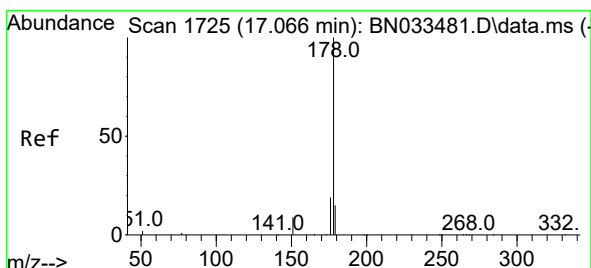
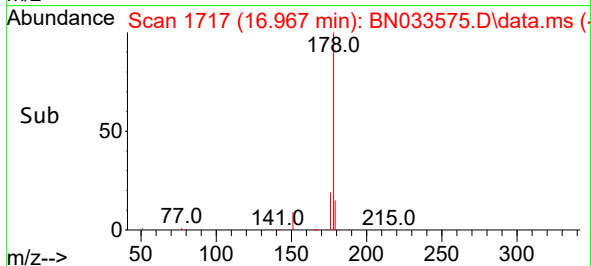
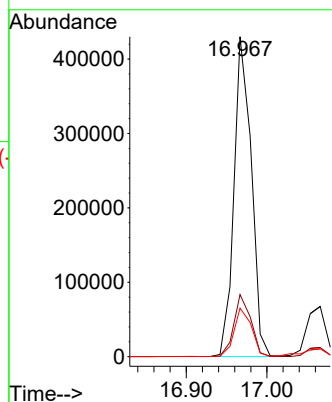
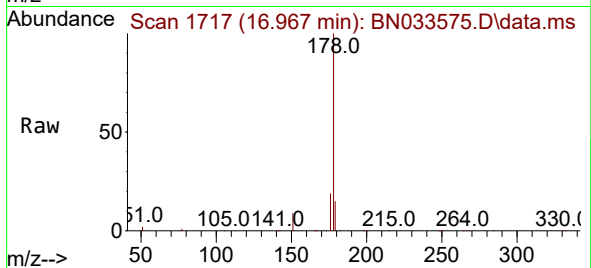
Tgt Ion:178 Resp: 637000

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.2 12.3 18.5



#26

Anthracene

Concen: 2.202 ng

RT: 17.066 min Scan# 1725

Delta R.T. 0.000 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

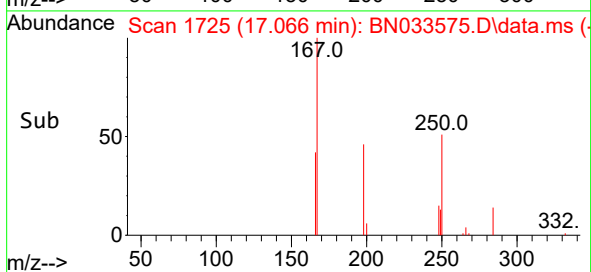
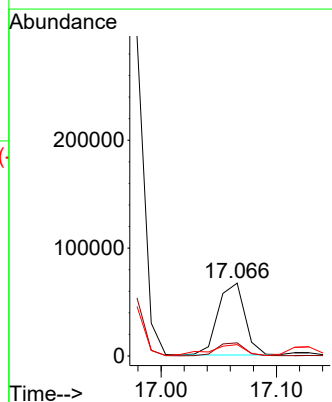
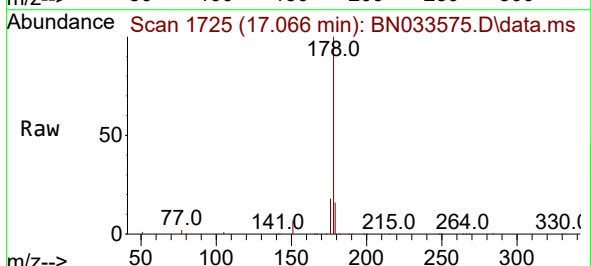
Tgt Ion:178 Resp: 108356

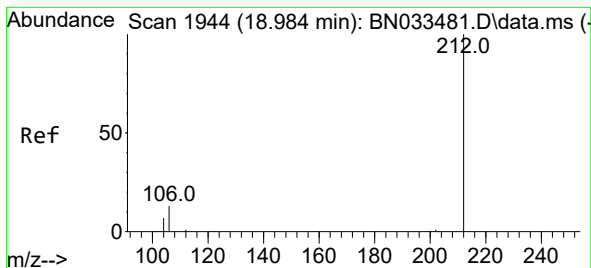
Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

179 19.3 12.4 18.6#





#27

Fluoranthene-d10

Concen: 0.162 ng

RT: 18.970 min Scan# 1941

Delta R.T. 0.000 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

Instrument :

BNA_N

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

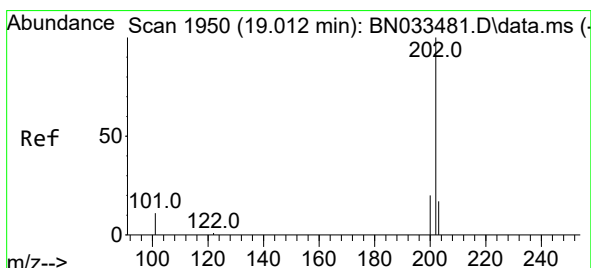
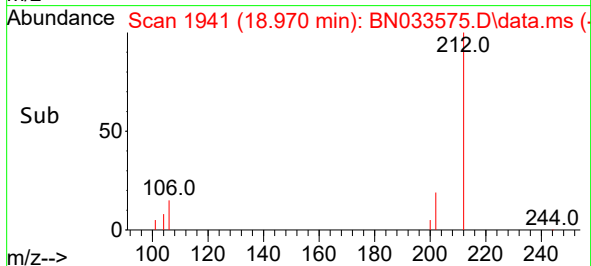
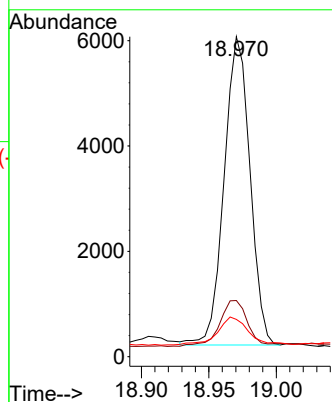
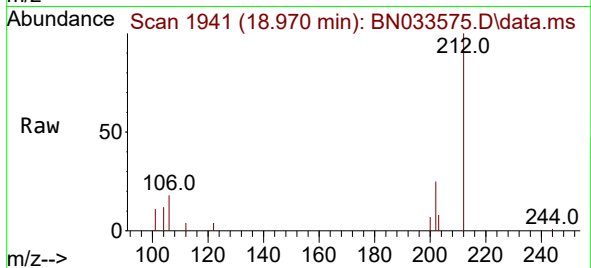
Tgt Ion:212 Resp: 7798

Ion Ratio Lower Upper

212 100

106 16.1 12.3 18.5

104 11.0 7.0 10.4#



#28

Fluoranthene

Concen: 22.123 ng

RT: 19.003 min Scan# 1948

Delta R.T. 0.000 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

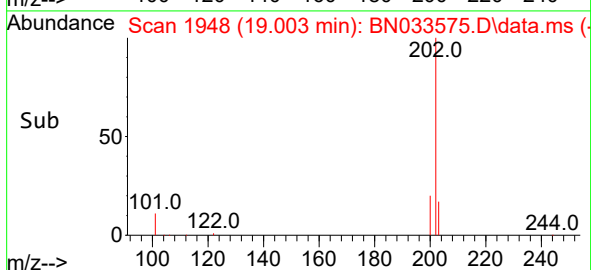
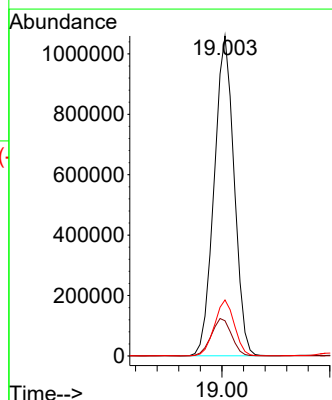
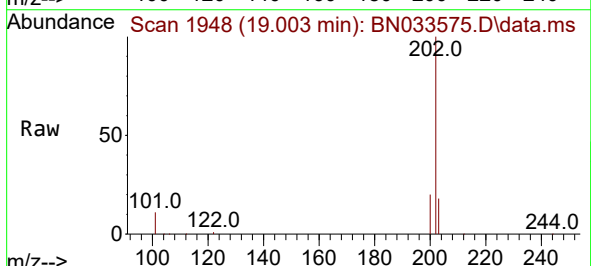
Tgt Ion:202 Resp: 1359855

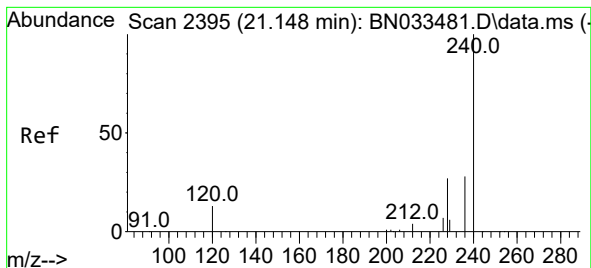
Ion Ratio Lower Upper

202 100

101 11.9 9.5 14.3

203 17.4 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

Instrument :

BNA_N

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

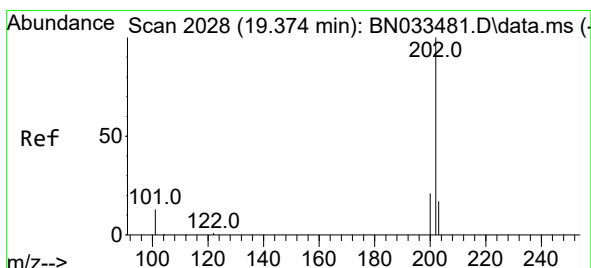
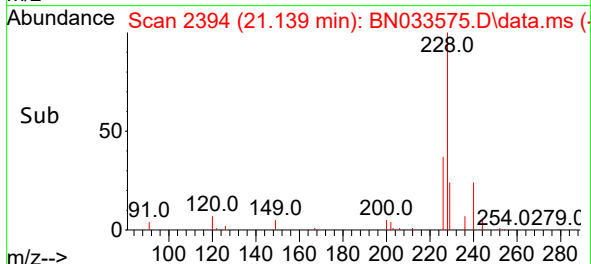
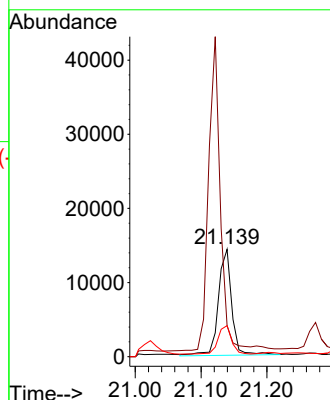
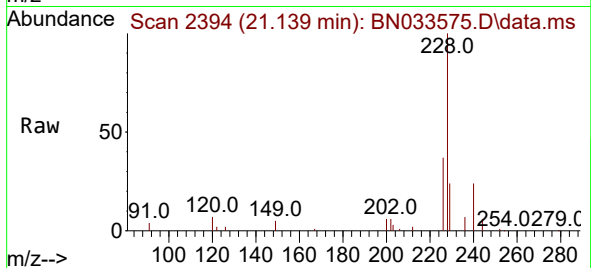
Tgt Ion:240 Resp: 20246

Ion Ratio Lower Upper

240 100

120 28.8 12.4 18.6#

236 28.8 23.0 34.6



#30

Pyrene

Concen: 12.451 ng

RT: 19.365 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

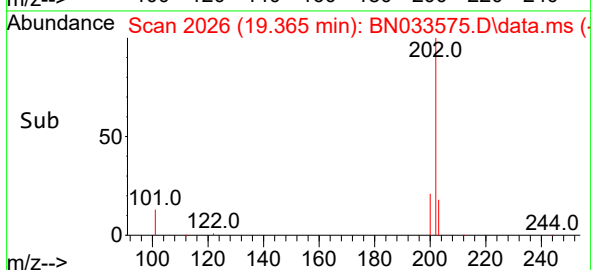
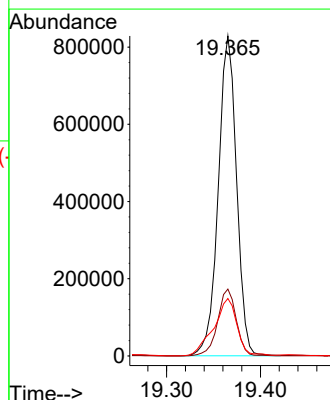
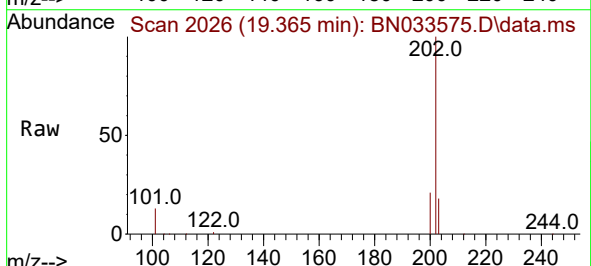
Tgt Ion:202 Resp: 1125075

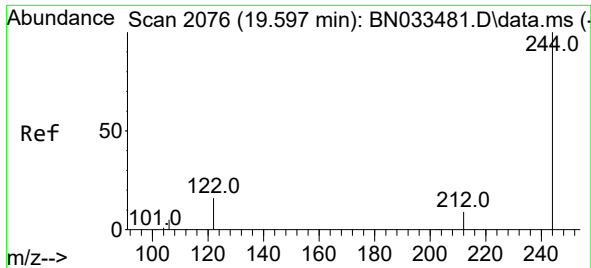
Ion Ratio Lower Upper

202 100

200 21.3 16.6 24.8

203 22.9 14.2 21.4#

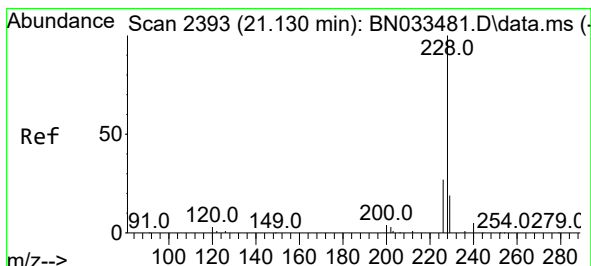
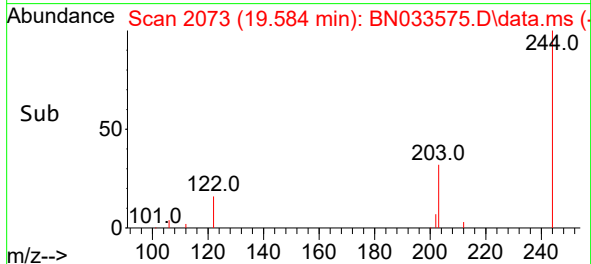
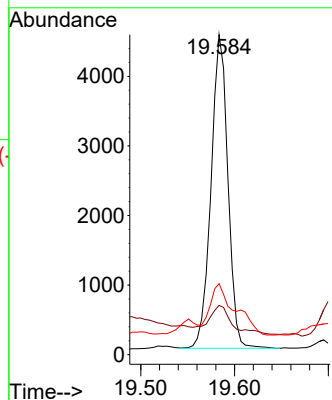
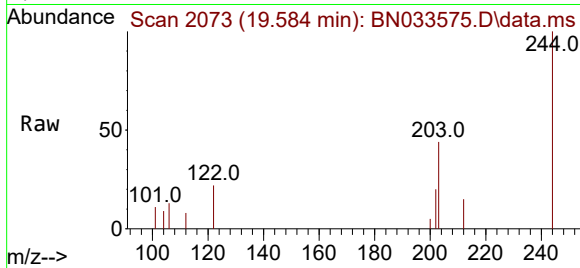




#31
Terphenyl-d14
Concen: 0.122 ng
RT: 19.584 min Scan# 2076
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

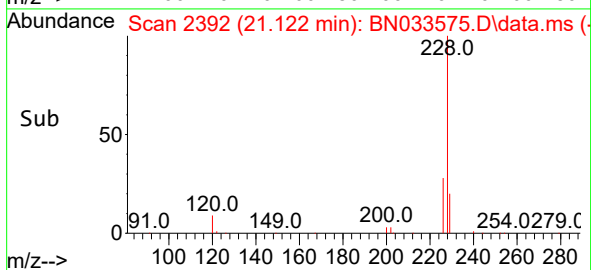
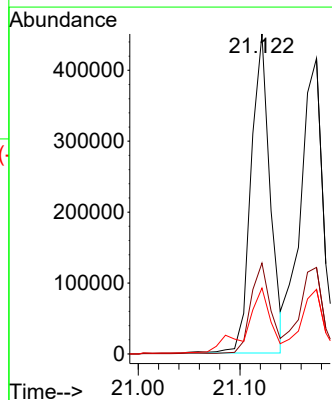
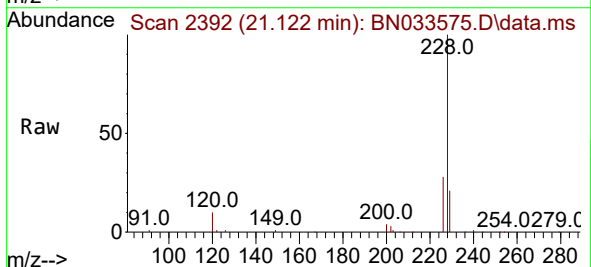
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

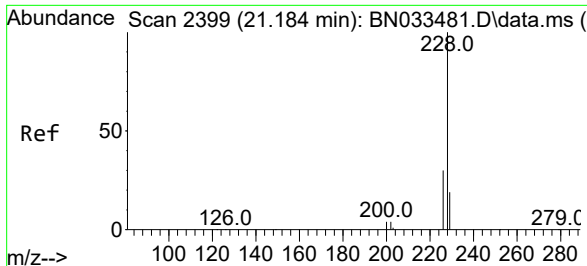
Tgt Ion:244 Resp: 5627
Ion Ratio Lower Upper
244 100
212 15.4 7.8 11.6#
122 22.2 13.3 19.9#



#32
Benzo(a)anthracene
Concen: 8.002 ng
RT: 21.122 min Scan# 2392
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Tgt Ion:228 Resp: 585697
Ion Ratio Lower Upper
228 100
226 28.4 21.8 32.6
229 20.6 15.8 23.6





#33

Chrysene

Concen: 8.636 ng

RT: 21.175 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

Instrument :

BNA_N

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

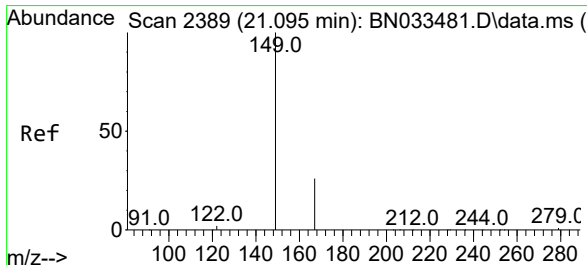
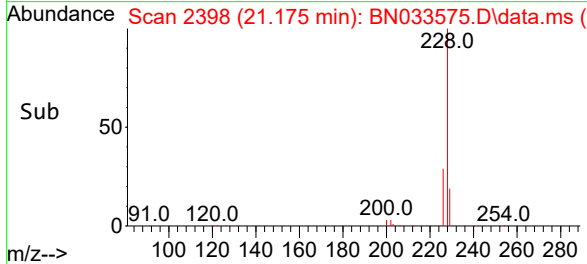
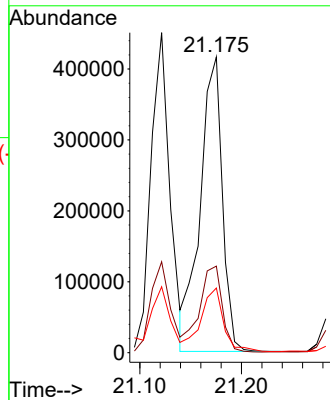
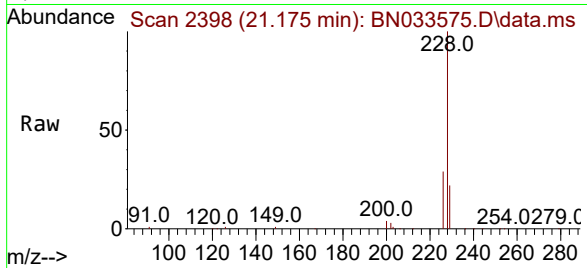
Tgt Ion:228 Resp: 628331

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

229 21.8 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.488 ng

RT: 21.086 min Scan# 2388

Delta R.T. 0.000 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

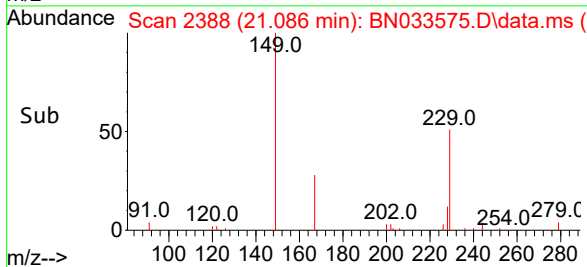
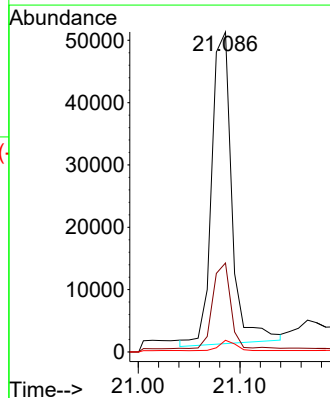
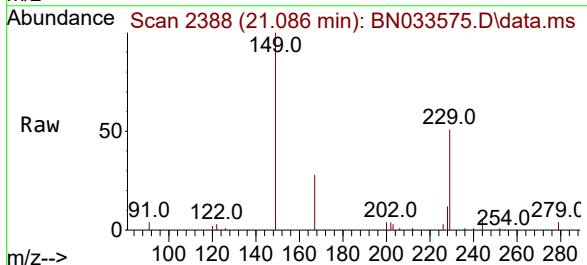
Tgt Ion:149 Resp: 68945

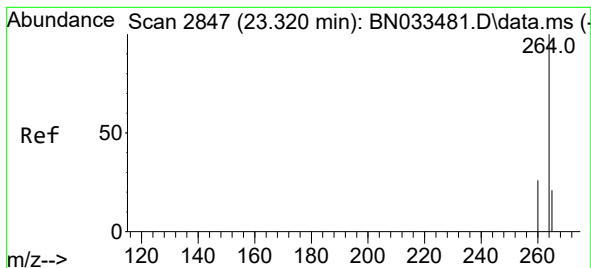
Ion Ratio Lower Upper

149 100

167 30.1 21.5 32.3

279 3.2 2.2 3.2





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.300 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

Instrument :

BNA_N

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

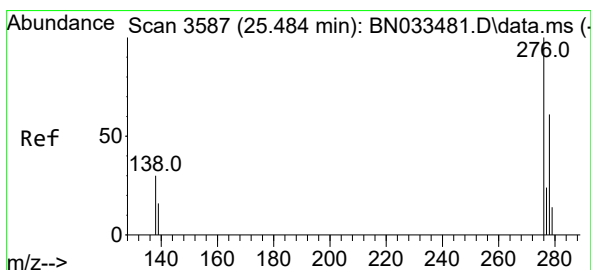
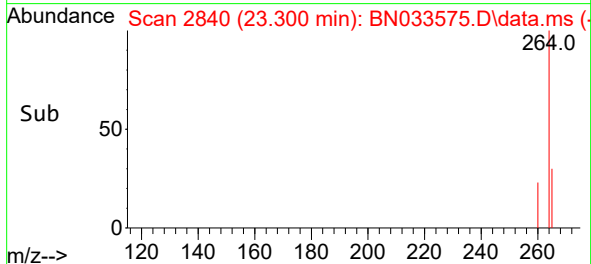
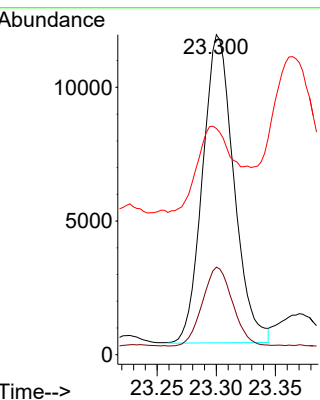
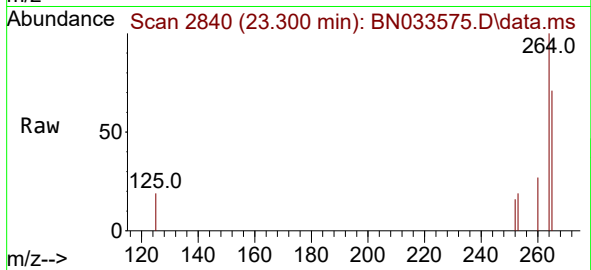
Tgt Ion:264 Resp: 21193

Ion Ratio Lower Upper

264 100

260 27.4 20.8 31.2

265 70.7 52.2 78.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 4.716 ng

RT: 25.449 min Scan# 3575

Delta R.T. 0.000 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

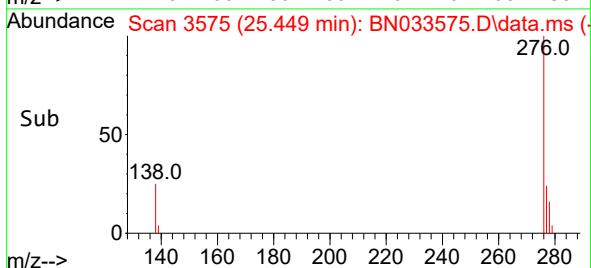
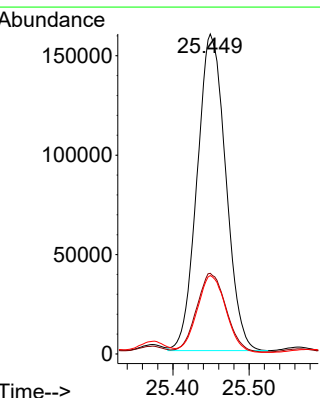
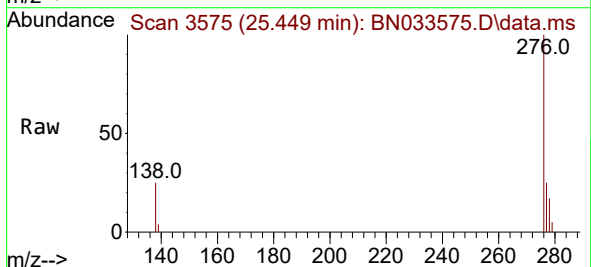
Tgt Ion:276 Resp: 414919

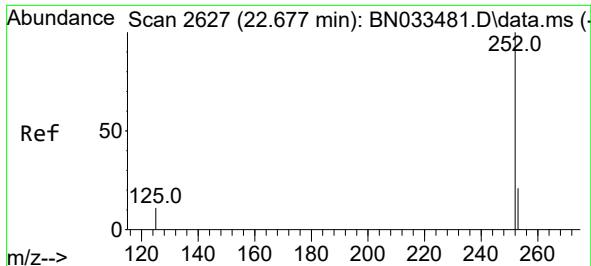
Ion Ratio Lower Upper

276 100

138 25.6 24.4 36.6

277 24.5 19.8 29.6

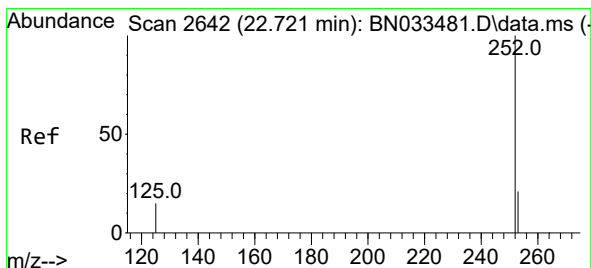
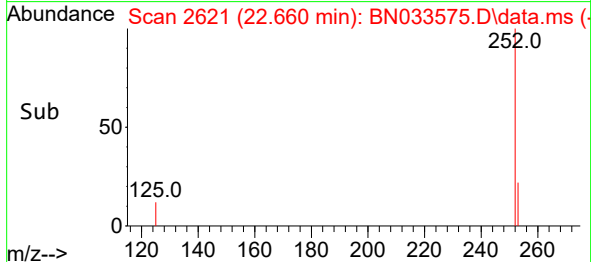
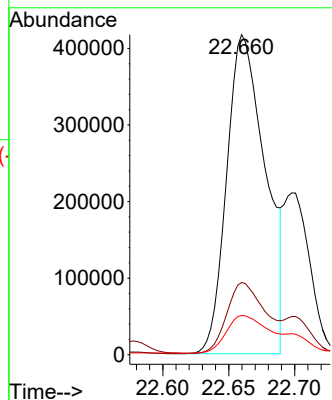
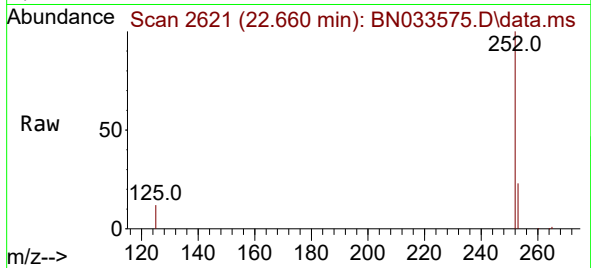




#37
Benzo(b)fluoranthene
Concen: 10.758 ng
RT: 22.660 min Scan# 2621
Delta R.T. 0.000 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

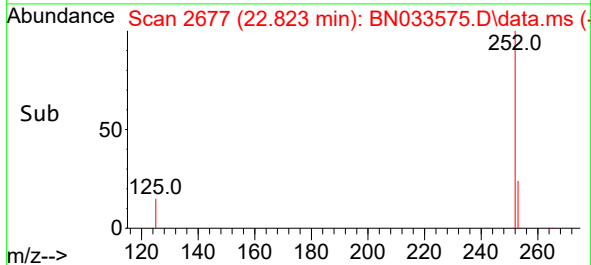
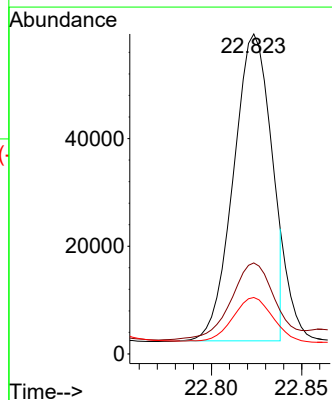
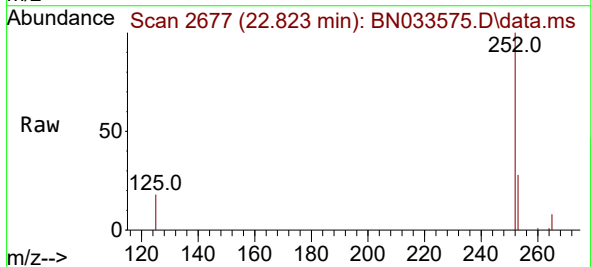
Instrument :
BNA_N
ClientSampleId :
S-903-J-SO-0.5-1.0-081924

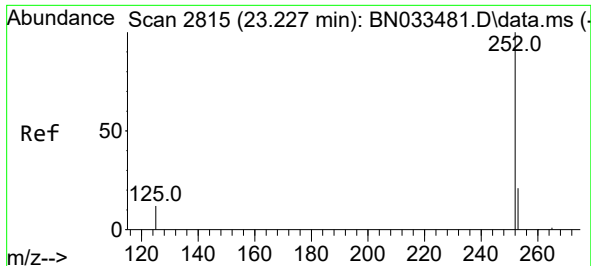
Tgt Ion:252 Resp: 851426
Ion Ratio Lower Upper
252 100
253 22.5 19.8 29.8
125 12.3 13.9 20.9#



#38
Benzo(k)fluoranthene
Concen: 1.067 ng
RT: 22.823 min Scan# 2677
Delta R.T. 0.120 min
Lab File: BN033575.D
Acq: 23 Aug 2024 05:18

Tgt Ion:252 Resp: 83091
Ion Ratio Lower Upper
252 100
253 28.5 19.8 29.8
125 17.6 15.8 23.8





#39

Benzo(a)pyrene

Concen: 6.343 ng

RT: 23.119 min Scan# 21

Delta R.T. -0.091 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

Instrument :

BNA_N

ClientSampleId :

S-903-J-SO-0.5-1.0-081924

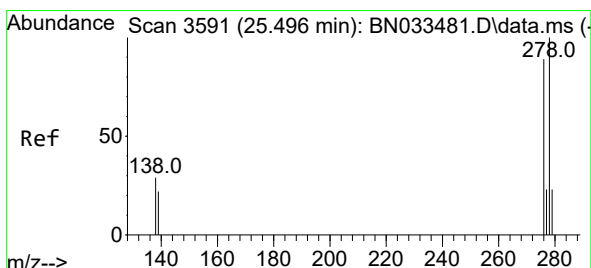
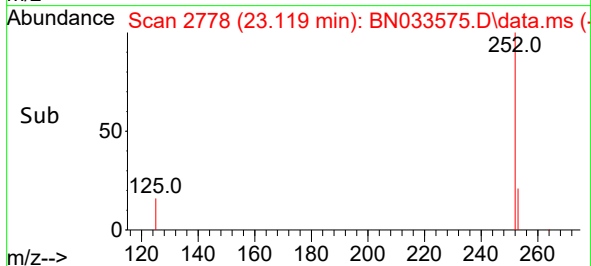
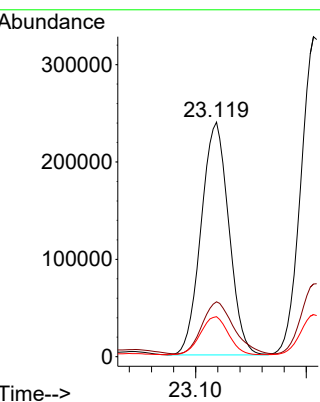
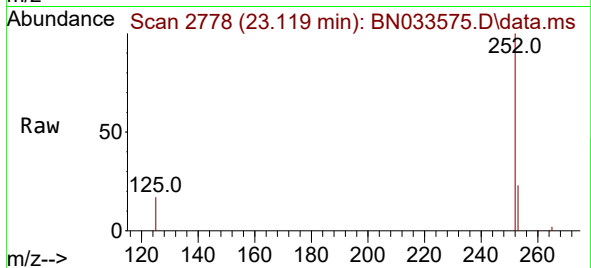
Tgt Ion:252 Resp: 415350

Ion Ratio Lower Upper

252 100

253 23.4 21.5 32.3

125 17.1 17.0 25.4



#40

Dibenzo(a,h)anthracene

Concen: 1.335 ng

RT: 25.458 min Scan# 3578

Delta R.T. -0.012 min

Lab File: BN033575.D

Acq: 23 Aug 2024 05:18

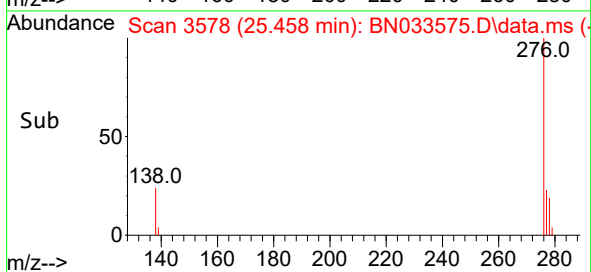
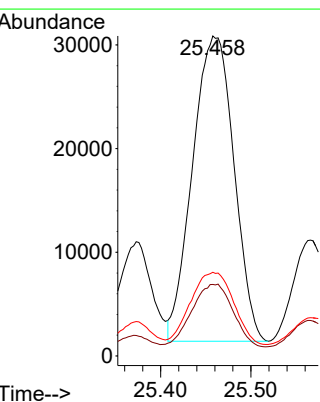
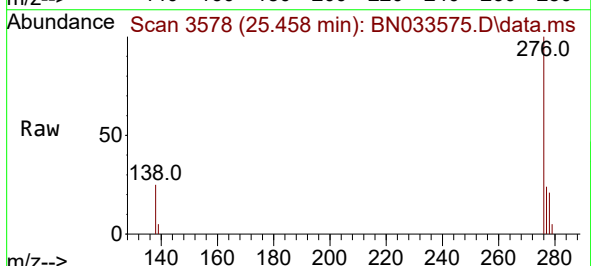
Tgt Ion:278 Resp: 93909

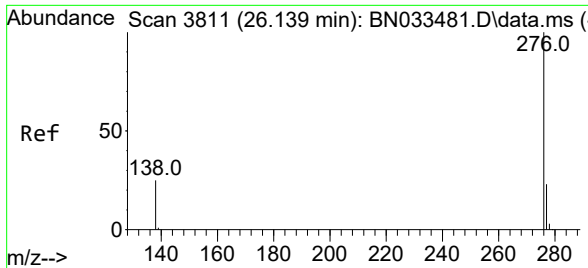
Ion Ratio Lower Upper

278 100

139 22.3 19.1 28.7

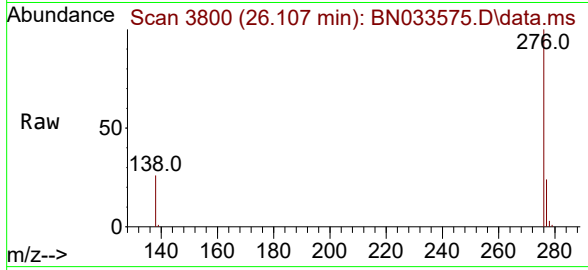
279 26.2 21.0 31.4





#41
 Benzo(g,h,i)perylene
 Concen: 5.450 ng
 RT: 26.107 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: BN033575.D
 Acq: 23 Aug 2024 05:18

Instrument :
 BNA_N
 ClientSampleId :
 S-903-J-SO-0.5-1.0-081924



Tgt Ion:276 Resp: 410026
 Ion Ratio Lower Upper
 276 100
 277 23.9 19.7 29.5
 138 25.6 21.8 32.6

