

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033559.D
 Acq On : 22 Aug 2024 18:56
 Operator : MA/JU
 Sample : P3660-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-901-J-0.5-1-081624

Quant Time: Aug 23 00:02:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

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

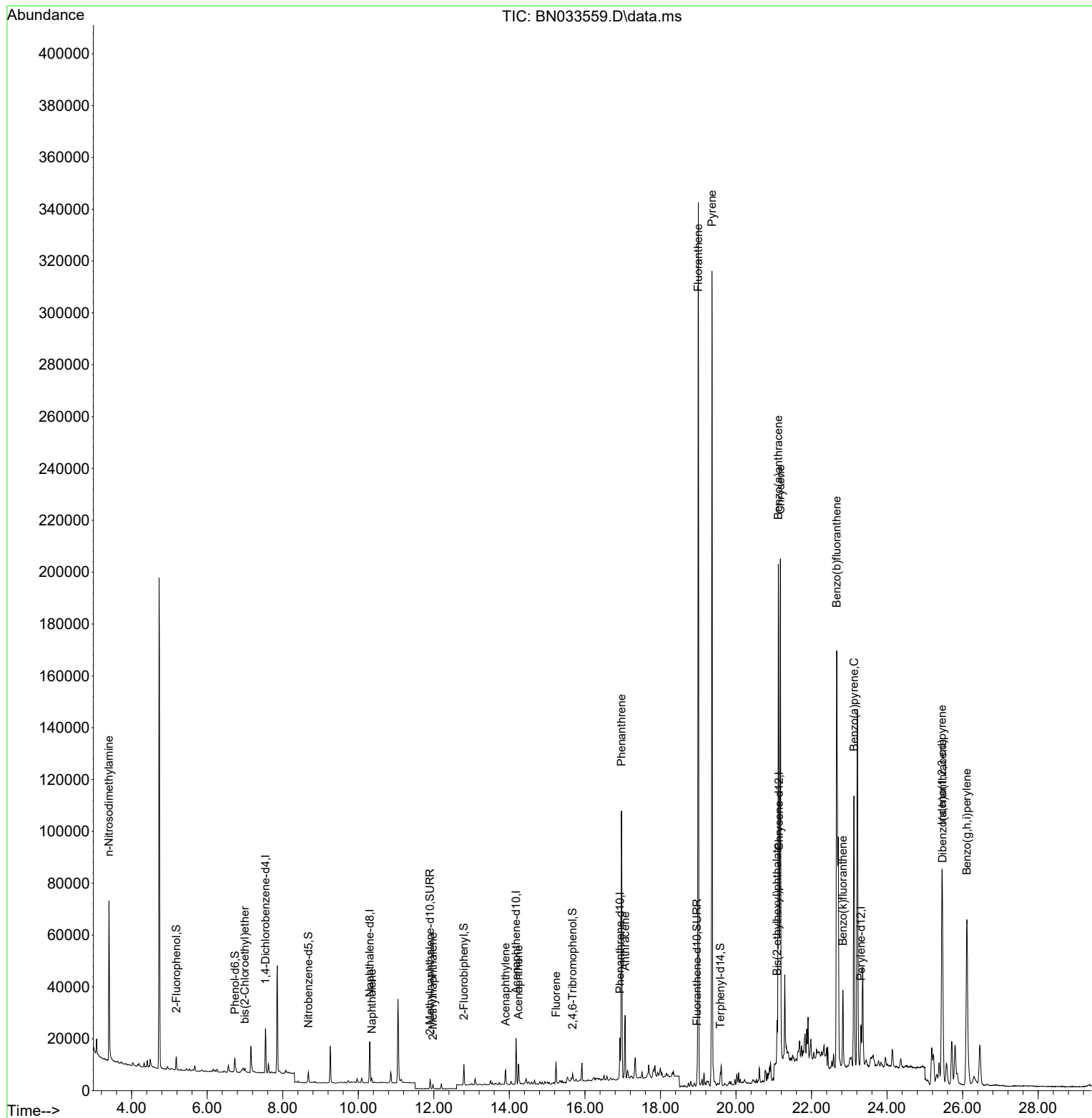
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	7749	0.400	ng	-0.01
7) Naphthalene-d8	10.304	136	19594	0.400	ng	-0.01
13) Acenaphthene-d10	14.178	164	9500	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	19308	0.400	ng	-0.01
29) Chrysene-d12	21.139	240	17490	0.400	ng	0.00
35) Perylene-d12	23.309	264	18970	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	3711	0.151	ng	0.00
5) Phenol-d6	6.736	99	4632	0.158	ng	0.00
8) Nitrobenzene-d5	8.681	82	3065	0.189	ng	-0.01
11) 2-Methylnaphthalene-d10	11.903	152	4681	0.167	ng	-0.01
14) 2,4,6-Tribromophenol	15.676	330	809	0.158	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	6134	0.158	ng	-0.01
27) Fluoranthene-d10	18.970	212	6368	0.137	ng	-0.01
31) Terphenyl-d14	19.588	244	4082	0.103	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.399	42	8864	0.855	ng	# 1
6) bis(2-Chloroethyl)ether	6.996	93	1855	0.089	ng	# 24
9) Naphthalene	10.357	128	2230	0.043	ng	# 89
12) 2-Methylnaphthalene	11.979	142	1173	0.035	ng	# 90
16) Acenaphthylene	13.900	152	6660	0.160	ng	98
17) Acenaphthene	14.242	154	3749	0.128	ng	97
18) Fluorene	15.236	166	5130	0.139	ng	98
25) Phenanthrene	16.966	178	112086	2.087	ng	99
26) Anthracene	17.066	178	26332	0.554	ng	98
28) Fluoranthene	19.003	202	297294	5.008	ng	100
30) Pyrene	19.365	202	277619	3.556	ng	# 95
32) Benzo(a)anthracene	21.121	228	171971	2.720	ng	97
33) Chrysene	21.175	228	160245	2.550	ng	98
34) Bis(2-ethylhexyl)phtha...	21.085	149	12251	0.306	ng	# 93
36) Indeno(1,2,3-cd)pyrene	25.457	276	122698	1.558	ng	95
37) Benzo(b)fluoranthene	22.665	252	252813	3.569	ng	# 94
38) Benzo(k)fluoranthene	22.829	252	31130	0.446	ng	93
39) Benzo(a)pyrene	23.124	252	125194	2.136	ng	94
40) Dibenzo(a,h)anthracene	25.469	278	30079	0.478	ng	95
41) Benzo(g,h,i)perylene	26.112	276	122111	1.813	ng	99

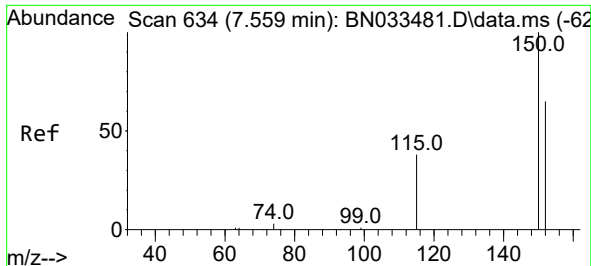
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
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Instrument :
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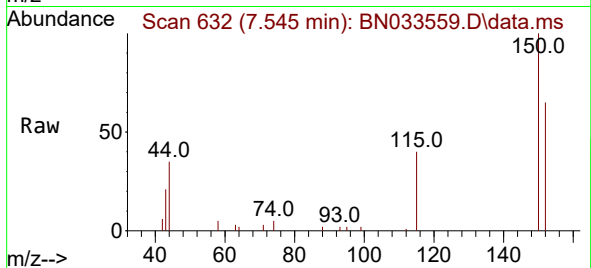
Quant Time: Aug 23 00:02:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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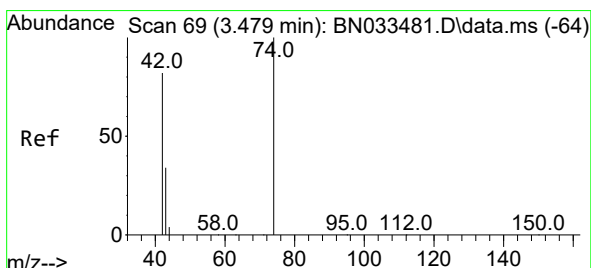
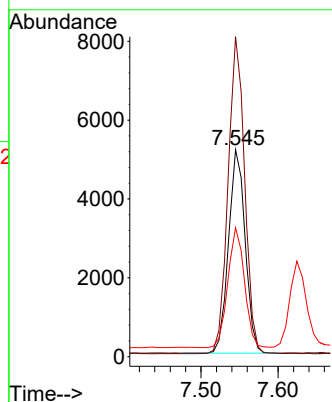
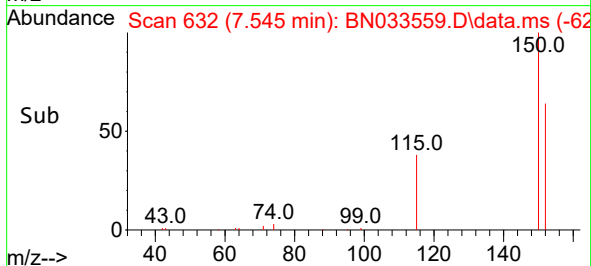


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.014 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624

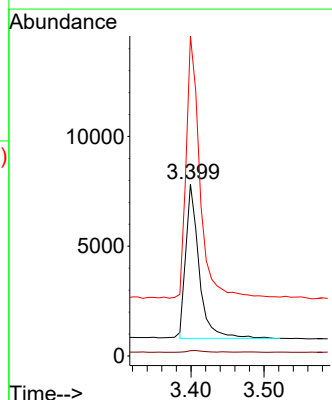
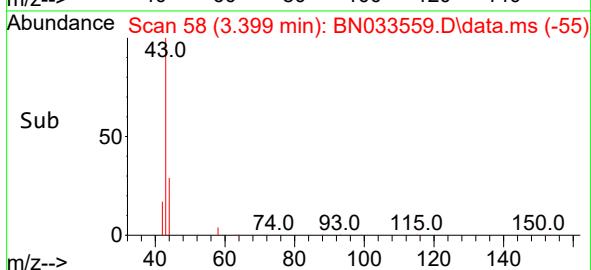
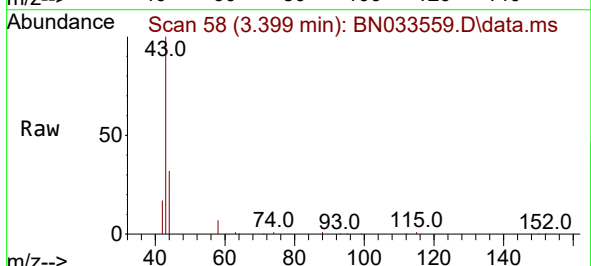


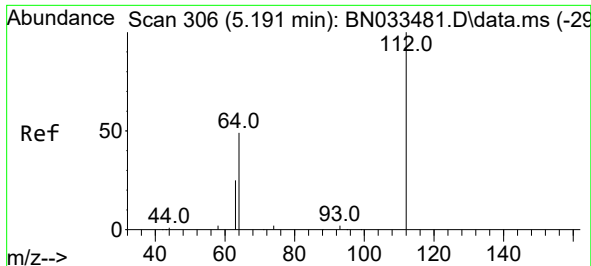
Tgt Ion:152 Resp: 7749
Ion Ratio Lower Upper
152 100
150 154.6 122.2 183.2
115 62.3 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.855 ng
RT: 3.399 min Scan# 58
Delta R.T. -0.080 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Tgt Ion: 42 Resp: 8864
Ion Ratio Lower Upper
42 100
74 1.2 100.2 150.2#
44 170.4 5.3 7.9#

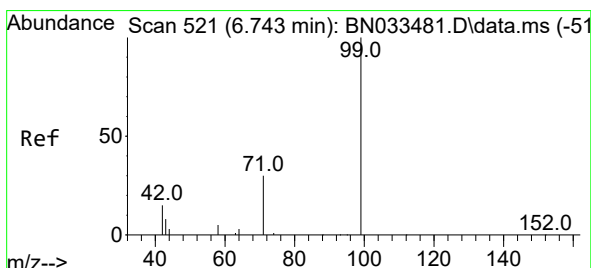
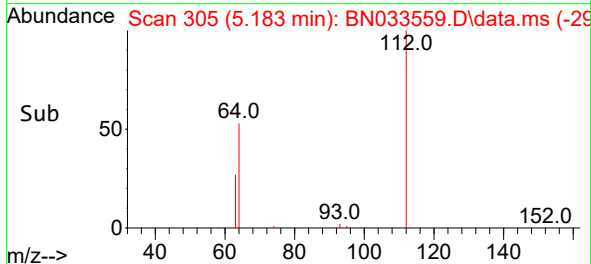
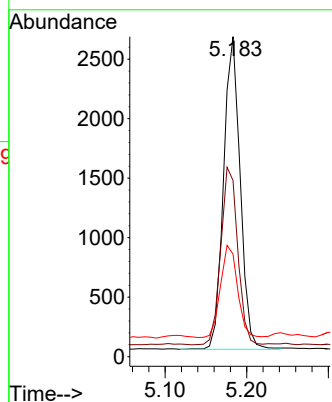
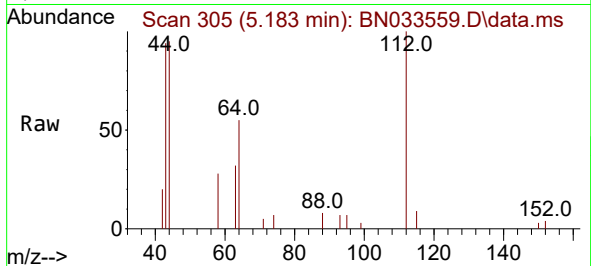




#4
2-Fluorophenol
Concen: 0.151 ng
RT: 5.183 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

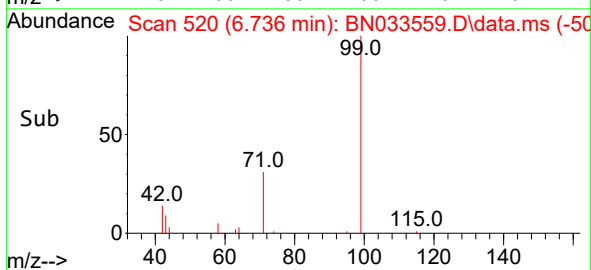
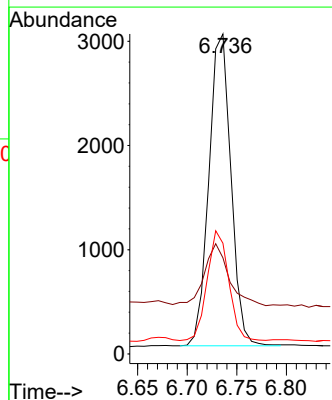
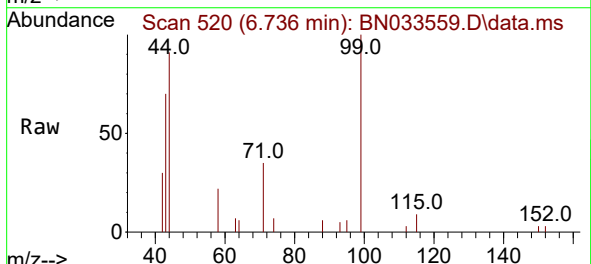
Instrument :
BNA_N
ClientSampleId :
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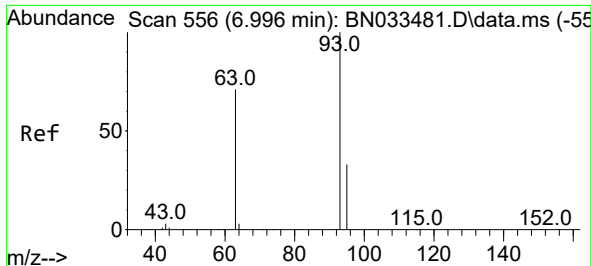
Tgt Ion:112 Resp: 3711
Ion Ratio Lower Upper
112 100
64 57.8 47.1 70.7
63 30.0 24.9 37.3



#5
Phenol-d6
Concen: 0.158 ng
RT: 6.736 min Scan# 520
Delta R.T. -0.007 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Tgt Ion: 99 Resp: 4632
Ion Ratio Lower Upper
99 100
42 21.5 16.6 24.8
71 34.4 26.2 39.4

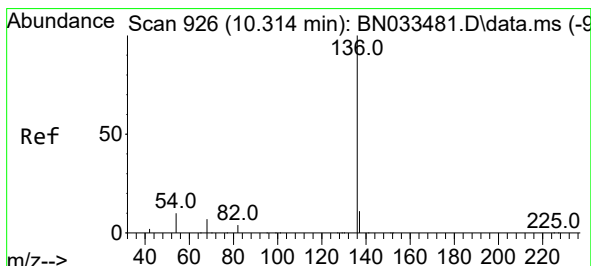
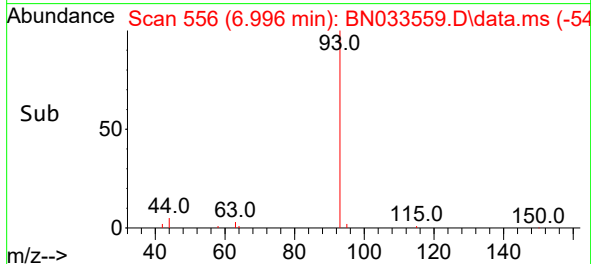
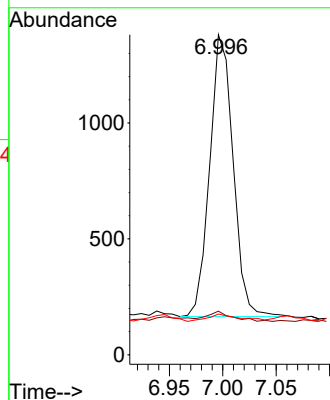
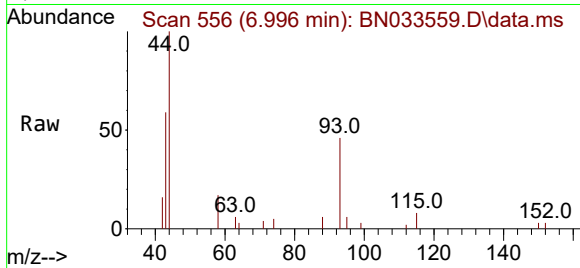




#6
bis(2-Chloroethyl)ether
Concen: 0.089 ng
RT: 6.996 min Scan# 511
Delta R.T. -0.000 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

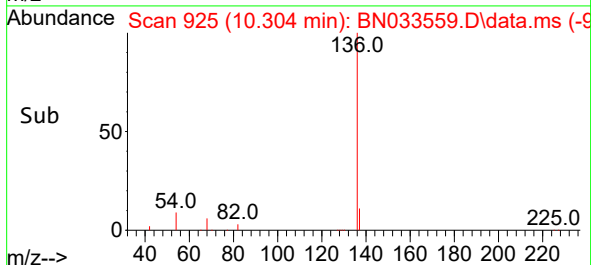
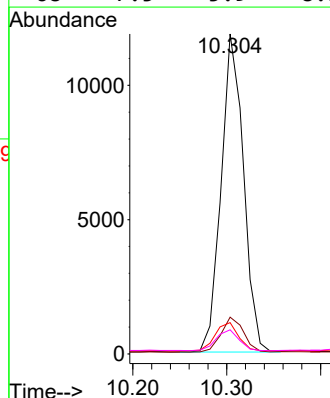
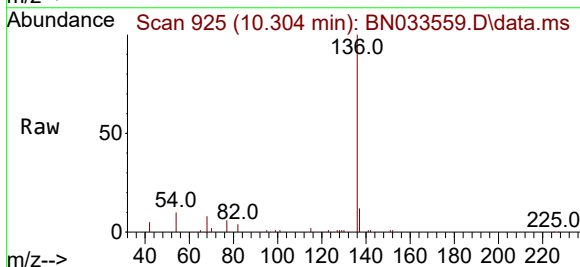
Instrument :
BNA_N
ClientSampleId :
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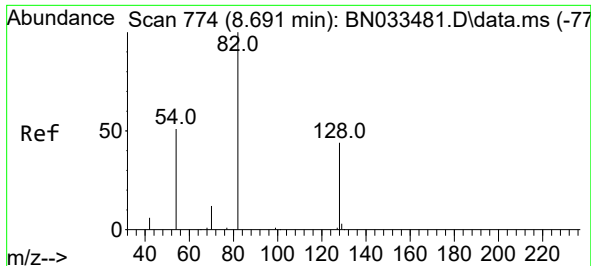
Tgt Ion: 93 Resp: 1855
Ion Ratio Lower Upper
93 100
63 3.8 63.0 94.4#
95 3.6 26.0 39.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Tgt Ion:136 Resp: 19594
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.8 8.3 12.5
68 7.5 5.9 8.9

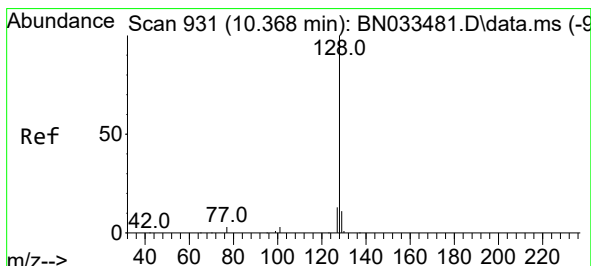
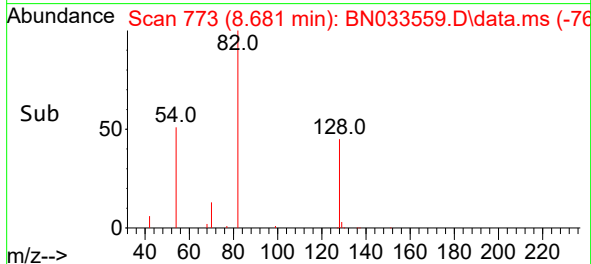
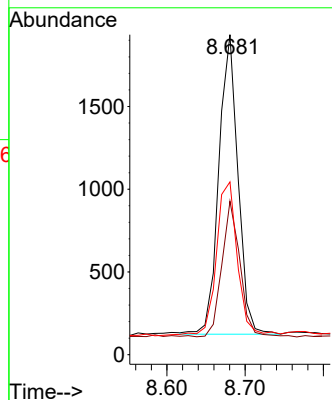
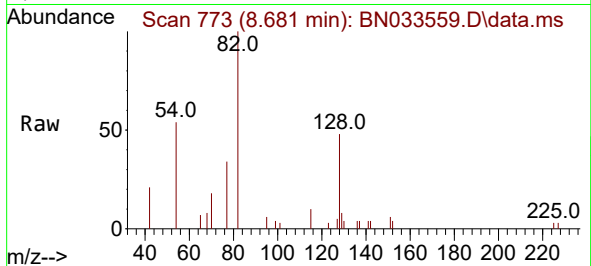




#8
Nitrobenzene-d5
Concen: 0.189 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

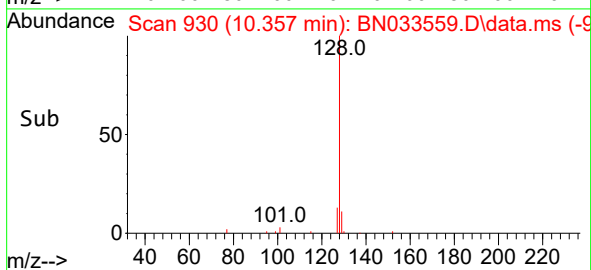
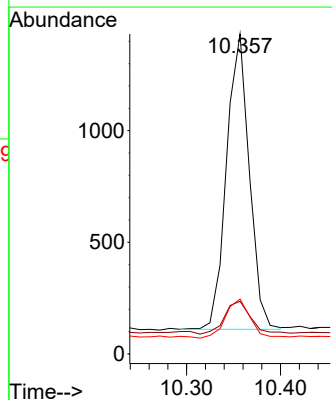
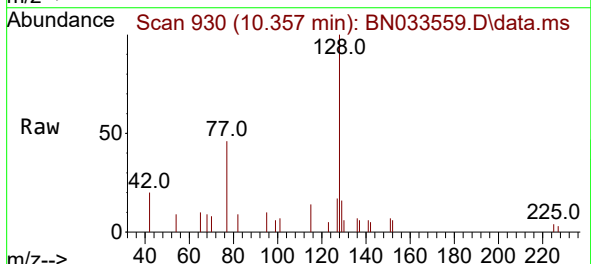
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BNA_N
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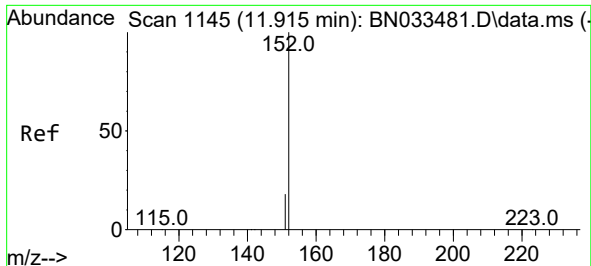
Tgt Ion: 82 Resp: 3065
Ion Ratio Lower Upper
82 100
128 47.9 36.0 54.0
54 54.0 42.0 63.0



#9
Naphthalene
Concen: 0.043 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Tgt Ion: 128 Resp: 2230
Ion Ratio Lower Upper
128 100
129 16.5 9.1 13.7#
127 17.2 10.7 16.1#

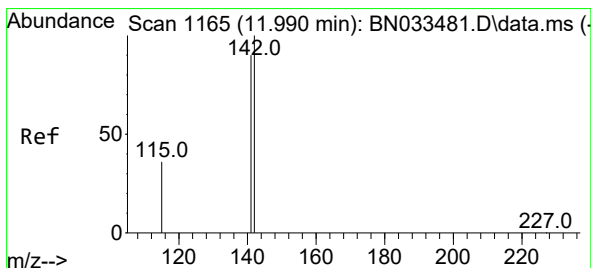
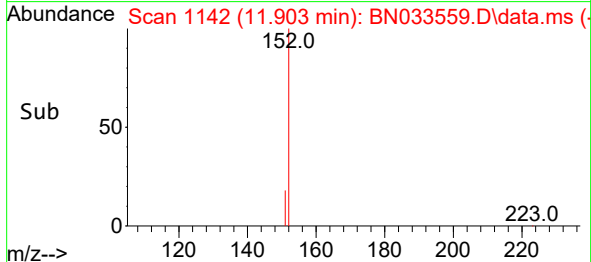
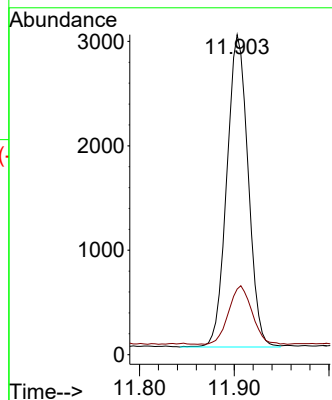
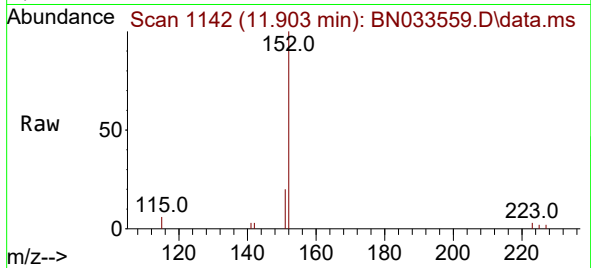




#11
2-Methylnaphthalene-d10
Concen: 0.167 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

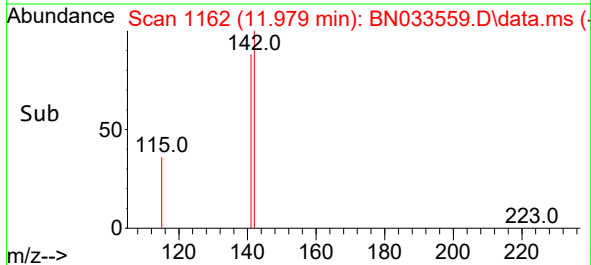
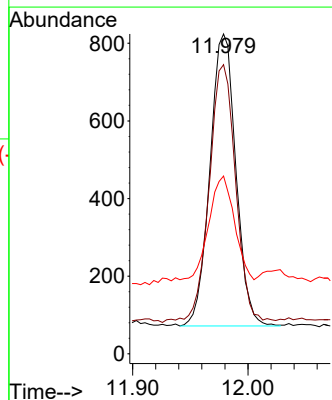
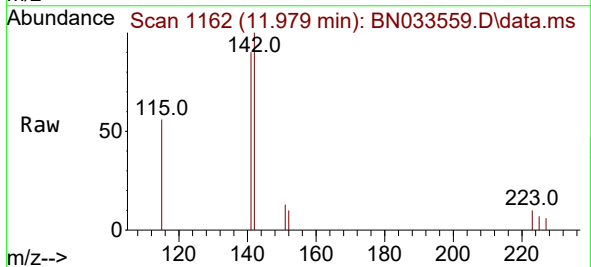
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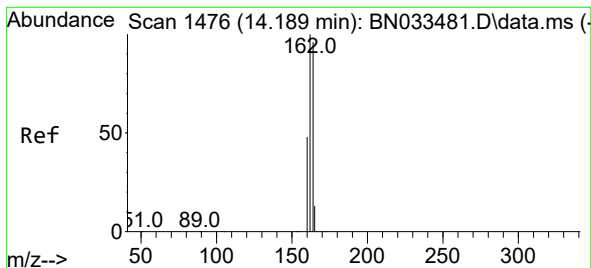
Tgt Ion:152 Resp: 4681
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.035 ng
RT: 11.979 min Scan# 1162
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Tgt Ion:142 Resp: 1173
Ion Ratio Lower Upper
142 100
141 90.4 71.7 107.5
115 55.6 29.4 44.2#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.178 min Scan# 1475

Delta R.T. -0.011 min

Lab File: BN033559.D

Acq: 22 Aug 2024 18:56

Instrument :

BNA_N

ClientSampleId :

S-901-J-0.5-1-081624

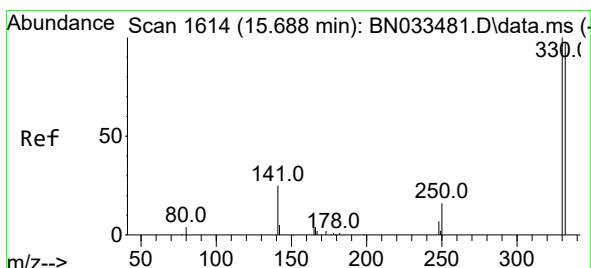
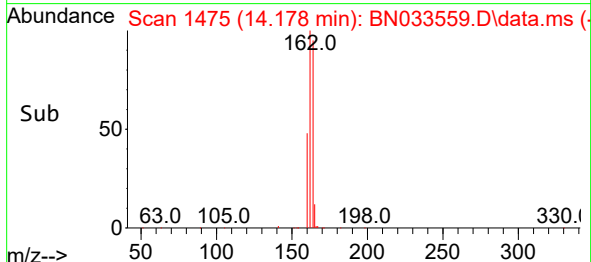
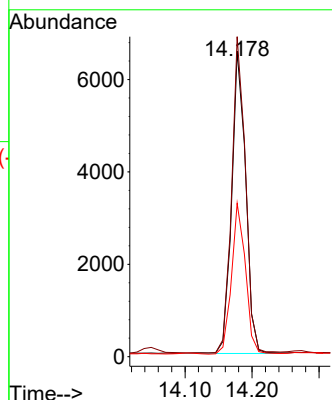
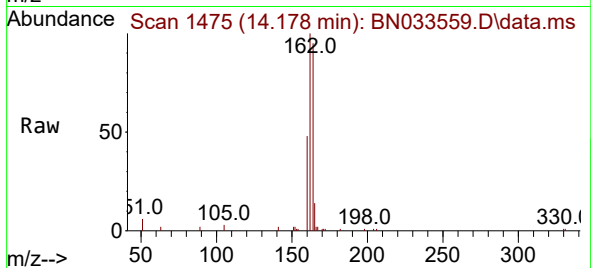
Tgt Ion:164 Resp: 9500

Ion Ratio Lower Upper

164 100

162 104.7 83.5 125.3

160 50.2 40.2 60.4



#14

2,4,6-Tribromophenol

Concen: 0.158 ng

RT: 15.676 min Scan# 1613

Delta R.T. -0.013 min

Lab File: BN033559.D

Acq: 22 Aug 2024 18:56

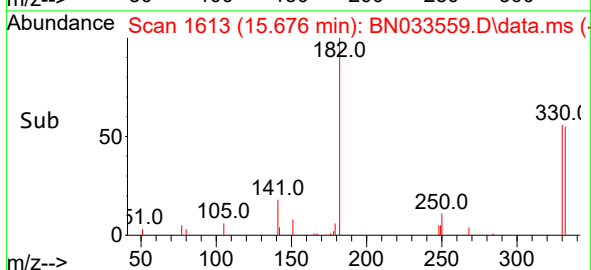
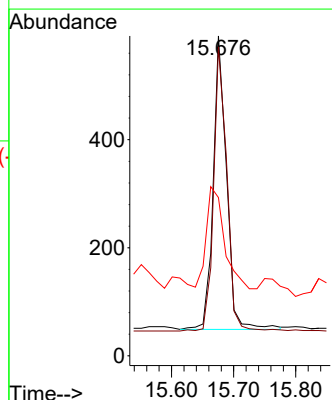
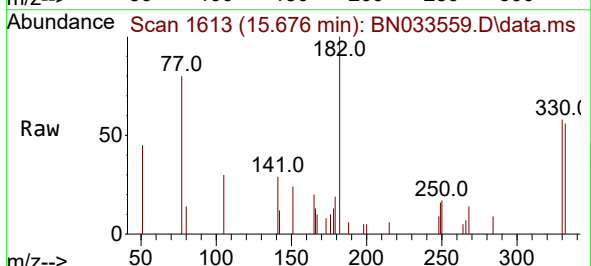
Tgt Ion:330 Resp: 809

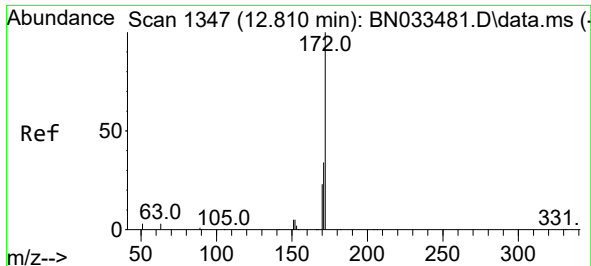
Ion Ratio Lower Upper

330 100

332 95.6 77.5 116.3

141 46.8 33.9 50.9

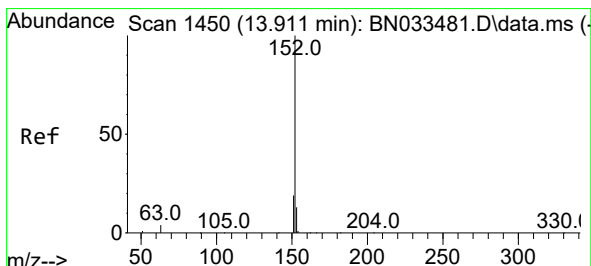
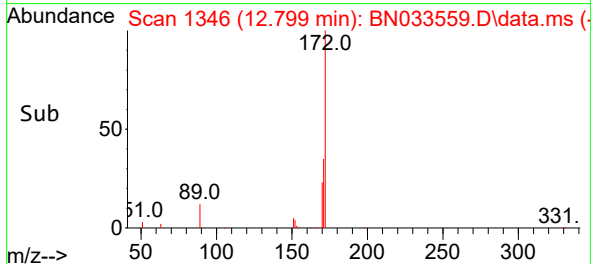
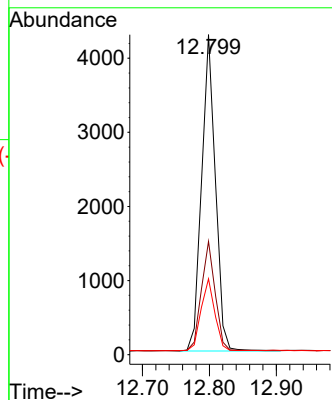
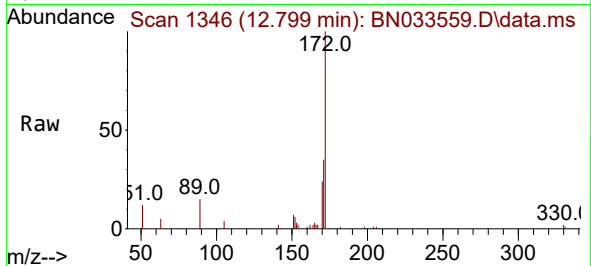




#15
2-Fluorobiphenyl
Concen: 0.158 ng
RT: 12.799 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

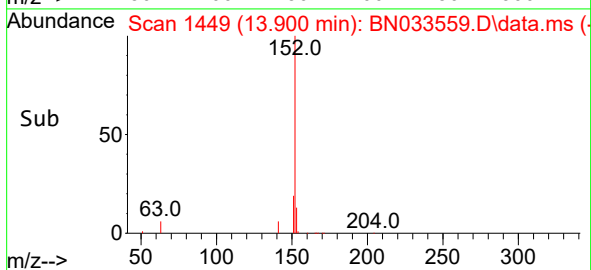
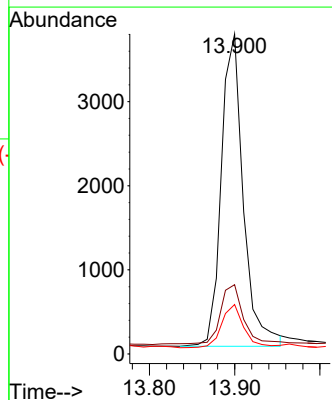
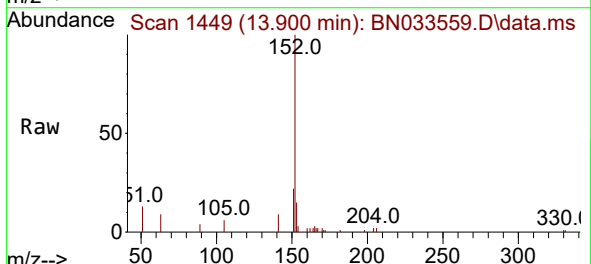
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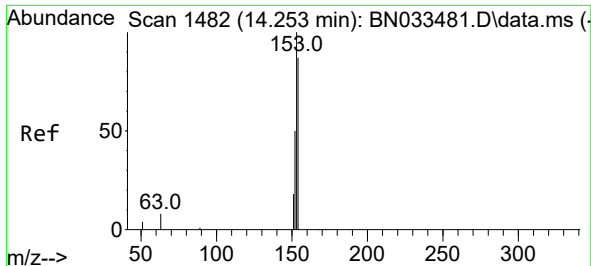
Tgt Ion:172	Resp:	6134
Ion Ratio	Lower	Upper
172	100	
171	35.4	27.7 41.5
170	23.7	18.3 27.5



#16
Acenaphthylene
Concen: 0.160 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Tgt Ion:152	Resp:	6660
Ion Ratio	Lower	Upper
152	100	
151	19.1	15.7 23.5
153	13.8	10.3 15.5

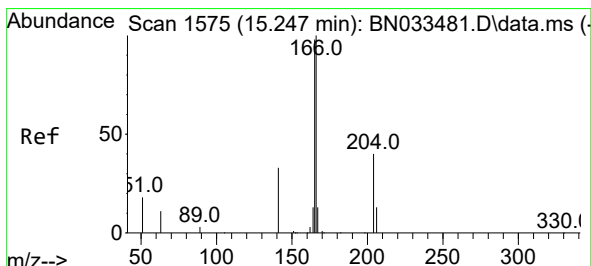
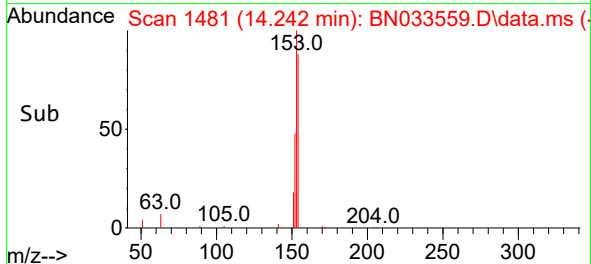
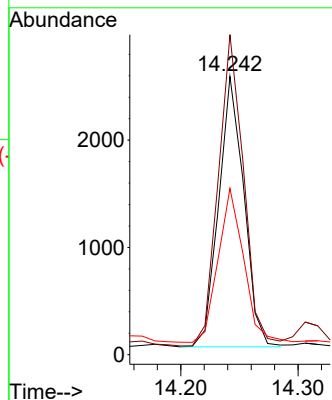
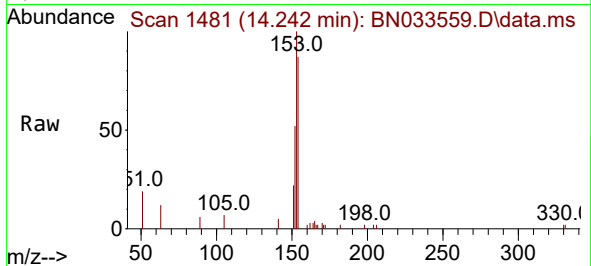




#17
Acenaphthene
Concen: 0.128 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

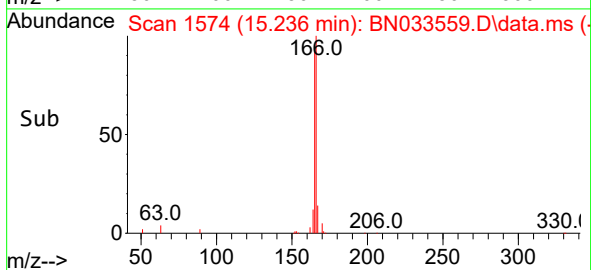
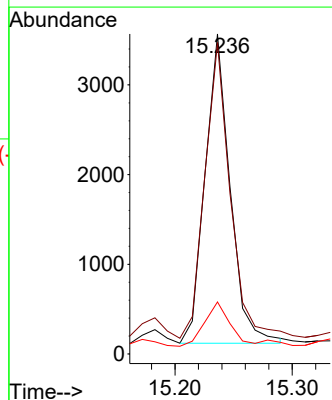
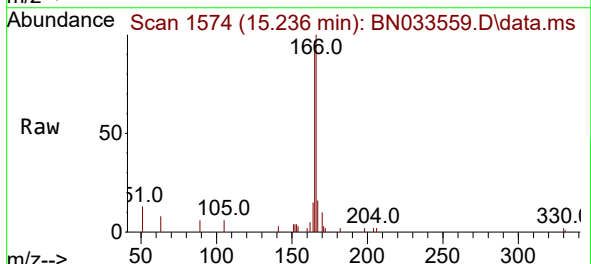
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624

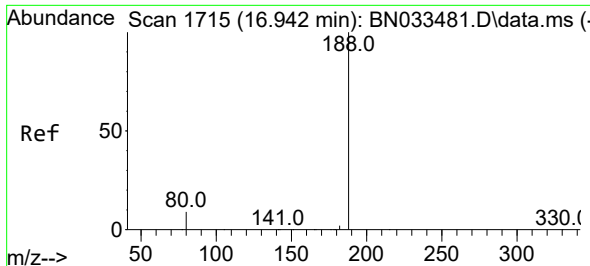
Tgt Ion:154 Resp: 3749
Ion Ratio Lower Upper
154 100
153 115.6 89.0 133.6
152 57.6 45.2 67.8



#18
Fluorene
Concen: 0.139 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Tgt Ion:166 Resp: 5130
Ion Ratio Lower Upper
166 100
165 96.4 78.2 117.4
167 14.6 10.6 16.0

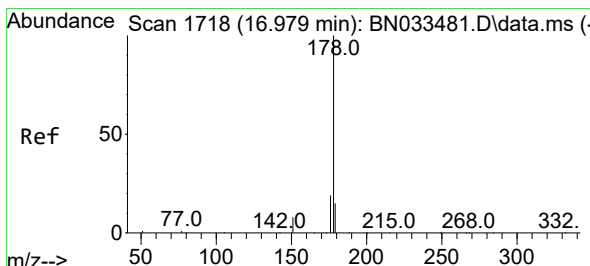
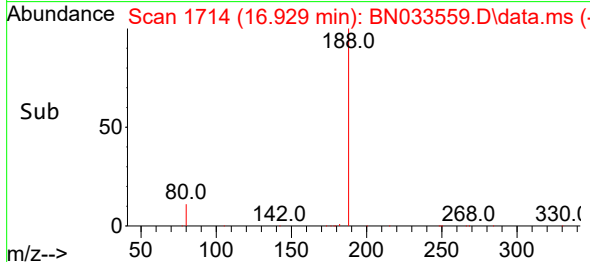
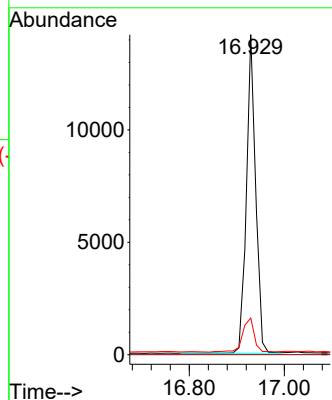
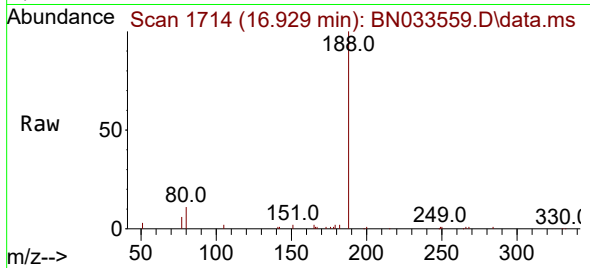




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.013 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

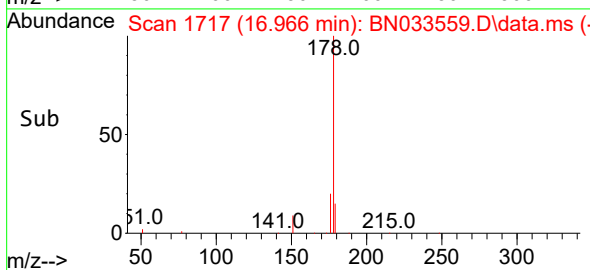
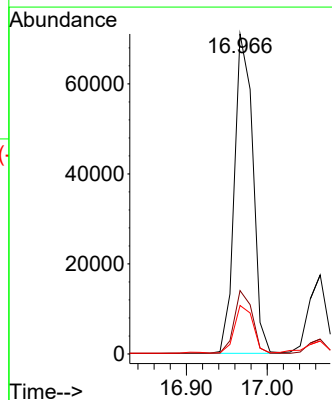
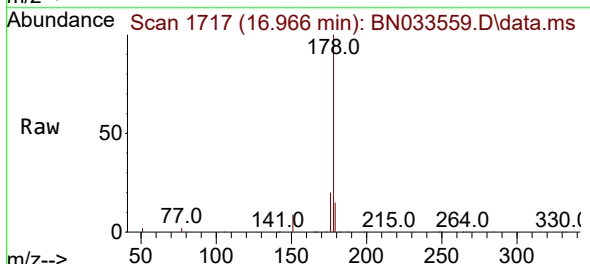
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624

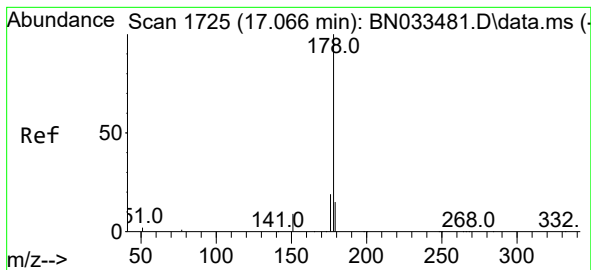
Tgt Ion:188 Resp: 19308
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 7.8 11.8



#25
Phenanthrene
Concen: 2.087 ng
RT: 16.966 min Scan# 1717
Delta R.T. -0.013 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Tgt Ion:178 Resp: 112086
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 14.9 12.3 18.5

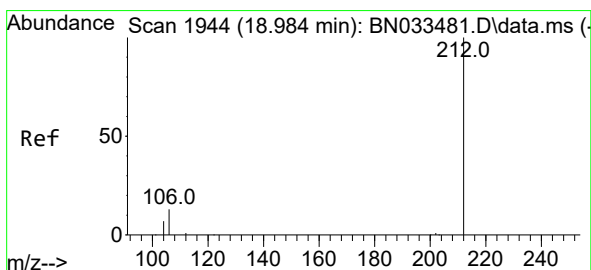
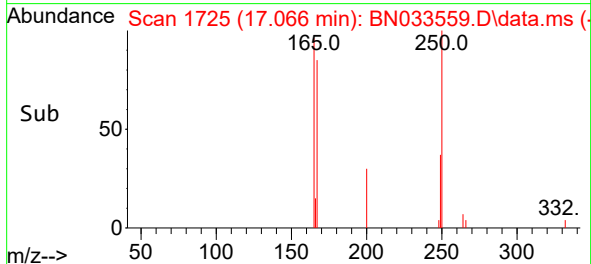
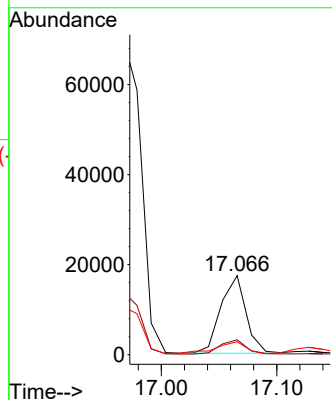
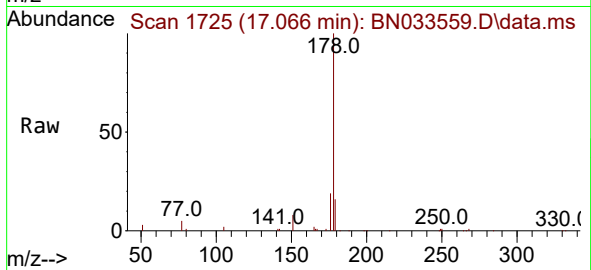




#26
 Anthracene
 Concen: 0.554 ng
 RT: 17.066 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN033559.D
 Acq: 22 Aug 2024 18:56

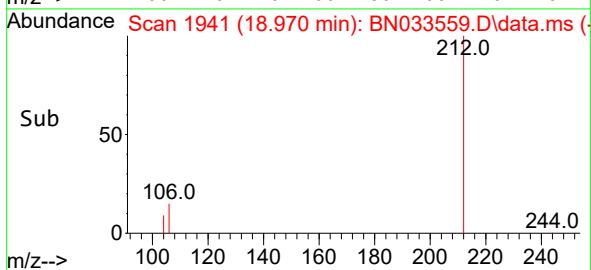
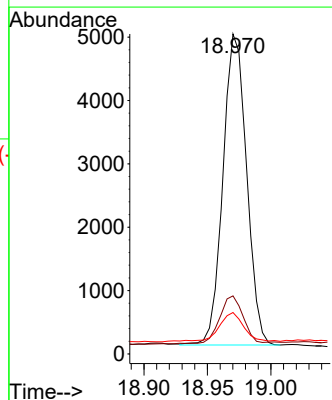
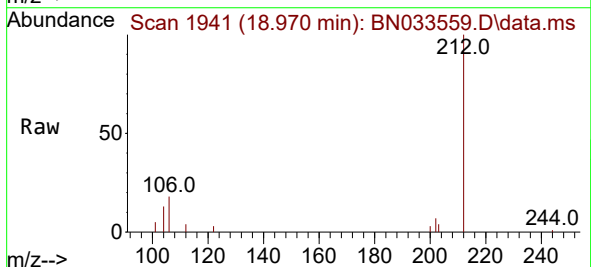
Instrument :
 BNA_N
 ClientSampleId :
 S-901-J-0.5-1-081624

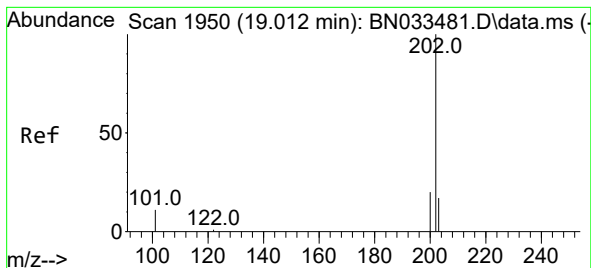
Tgt Ion:178 Resp: 26332
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 17.0 12.4 18.6



#27
 Fluoranthene-d10
 Concen: 0.137 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.014 min
 Lab File: BN033559.D
 Acq: 22 Aug 2024 18:56

Tgt Ion:212 Resp: 6368
 Ion Ratio Lower Upper
 212 100
 106 15.9 12.3 18.5
 104 10.0 7.0 10.4





#28

Fluoranthene

Concen: 5.008 ng

RT: 19.003 min Scan# 1948

Delta R.T. -0.009 min

Lab File: BN033559.D

Acq: 22 Aug 2024 18:56

Instrument :

BNA_N

ClientSampleId :

S-901-J-0.5-1-081624

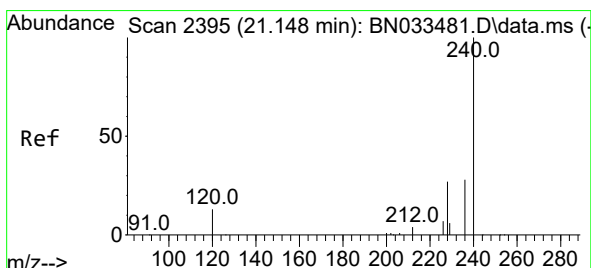
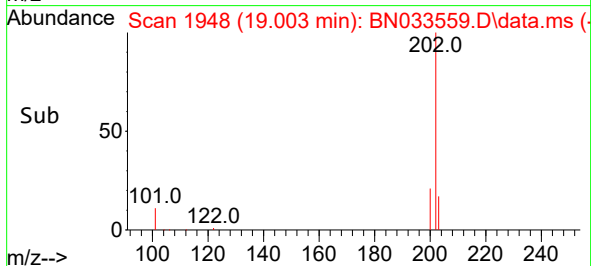
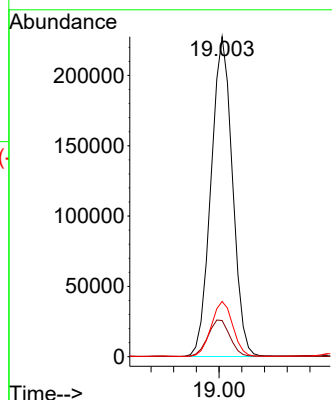
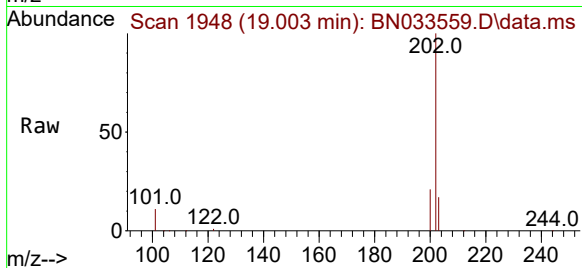
Tgt Ion:202 Resp: 297294

Ion Ratio Lower Upper

202 100

101 11.8 9.5 14.3

203 17.3 13.8 20.6



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.139 min Scan# 2394

Delta R.T. -0.009 min

Lab File: BN033559.D

Acq: 22 Aug 2024 18:56

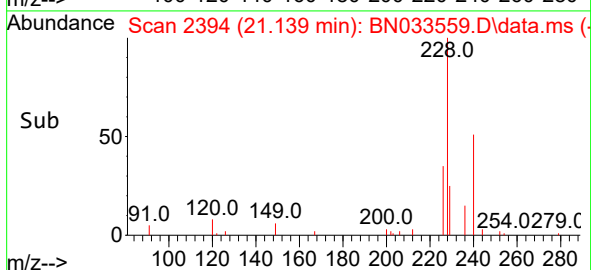
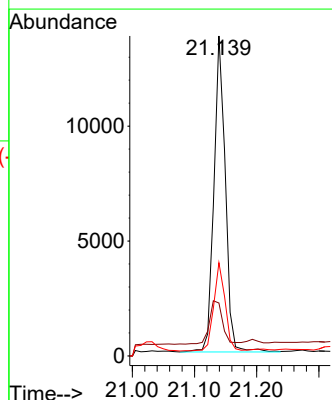
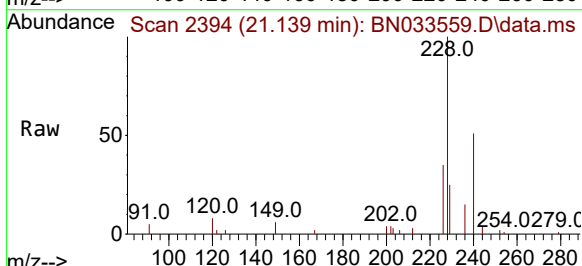
Tgt Ion:240 Resp: 17490

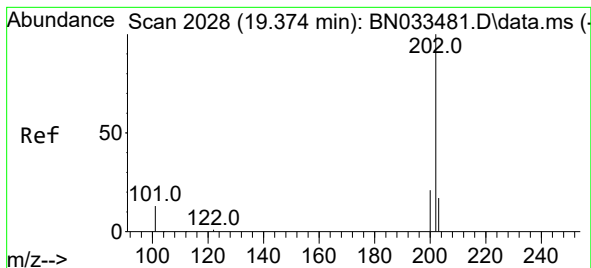
Ion Ratio Lower Upper

240 100

120 16.5 12.4 18.6

236 29.2 23.0 34.6





#30

Pyrene

Concen: 3.556 ng

RT: 19.365 min Scan# 2028

Delta R.T. -0.009 min

Lab File: BN033559.D

Acq: 22 Aug 2024 18:56

Instrument :

BNA_N

ClientSampleId :

S-901-J-0.5-1-081624

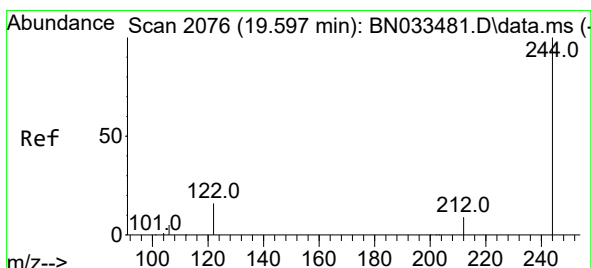
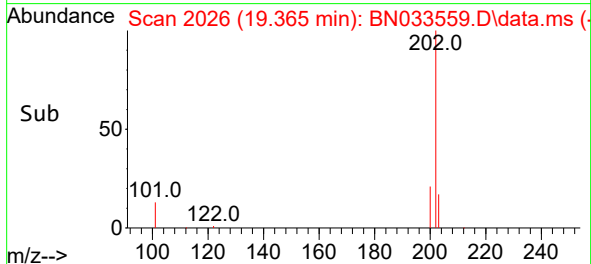
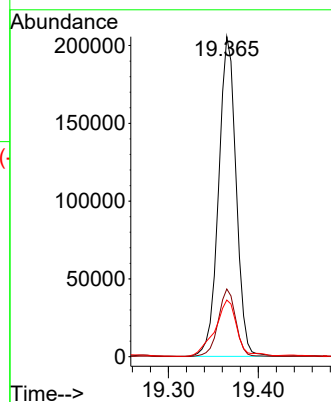
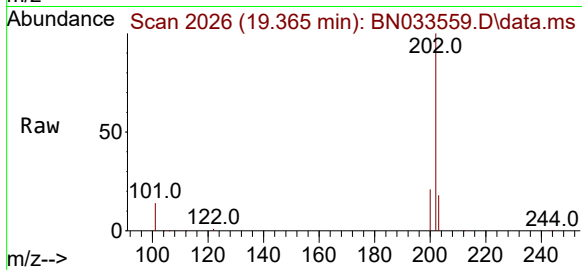
Tgt Ion:202 Resp: 277619

Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 22.1 14.2 21.4#



#31

Terphenyl-d14

Concen: 0.103 ng

RT: 19.588 min Scan# 2074

Delta R.T. -0.009 min

Lab File: BN033559.D

Acq: 22 Aug 2024 18:56

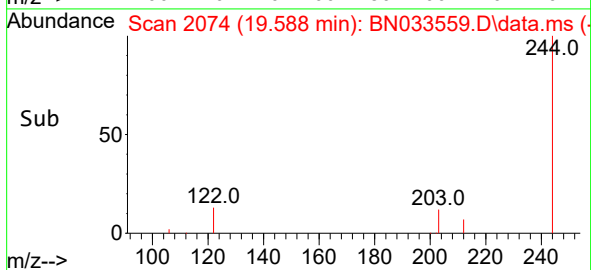
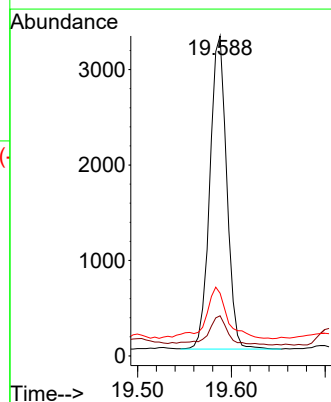
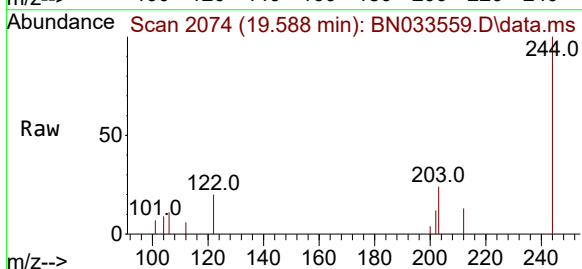
Tgt Ion:244 Resp: 4082

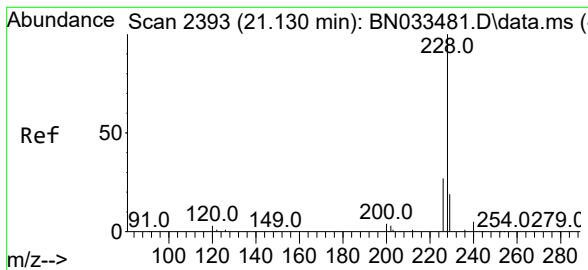
Ion Ratio Lower Upper

244 100

212 12.5 7.8 11.6#

122 19.6 13.3 19.9

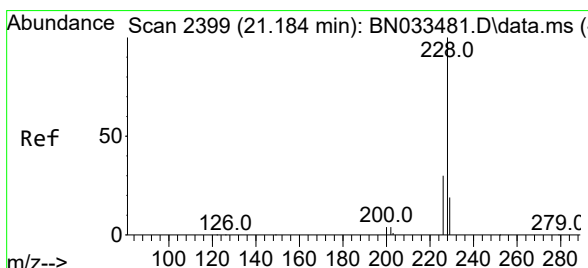
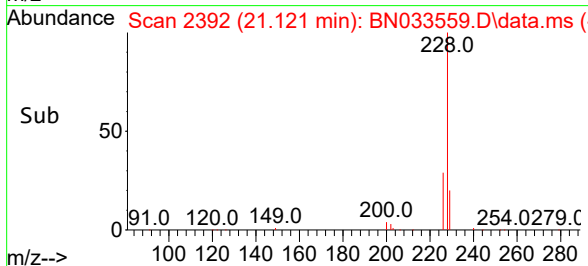
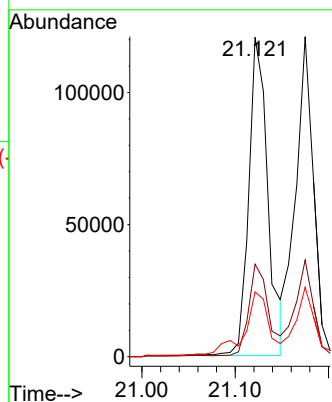
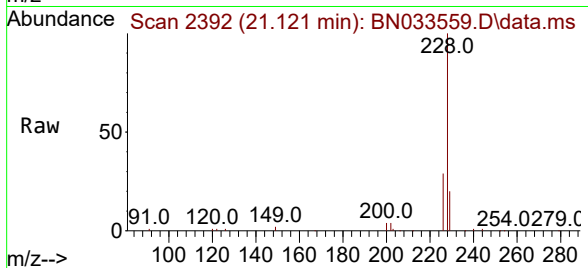




#32
Benzo(a)anthracene
Concen: 2.720 ng
RT: 21.121 min Scan# 21121
Delta R.T. -0.009 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

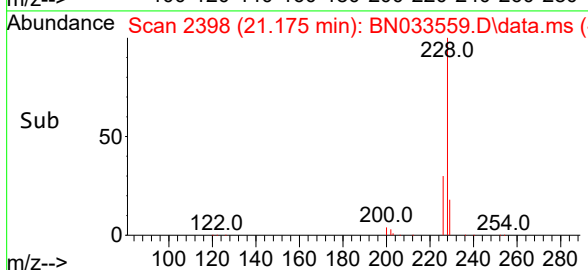
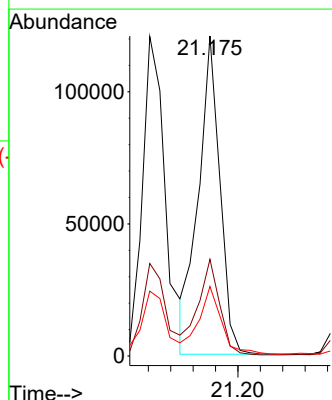
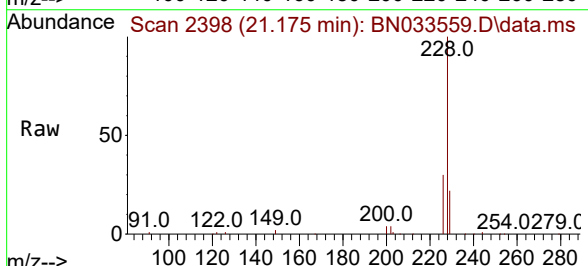
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624

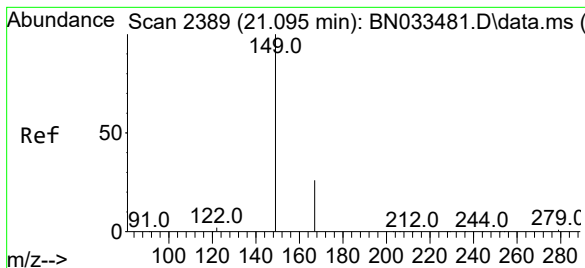
Tgt Ion:228 Resp: 171971
Ion Ratio Lower Upper
228 100
226 29.0 21.8 32.6
229 20.3 15.8 23.6



#33
Chrysene
Concen: 2.550 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.009 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Tgt Ion:228 Resp: 160245
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.8
229 21.7 15.6 23.4

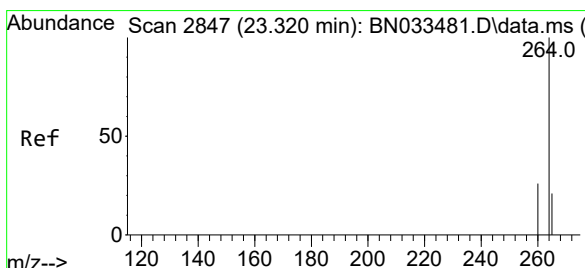
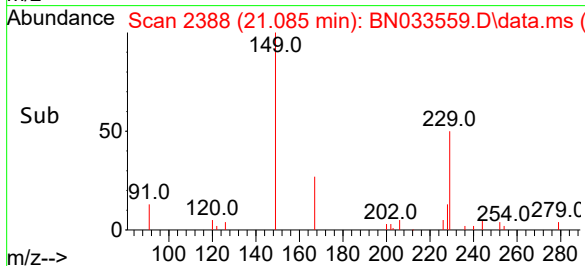
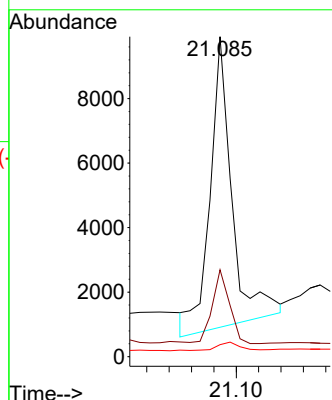
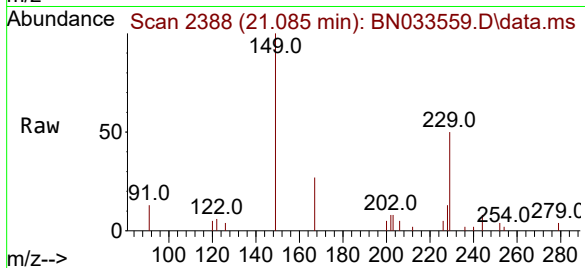




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.306 ng
RT: 21.085 min Scan# 21088
Delta R.T. -0.009 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

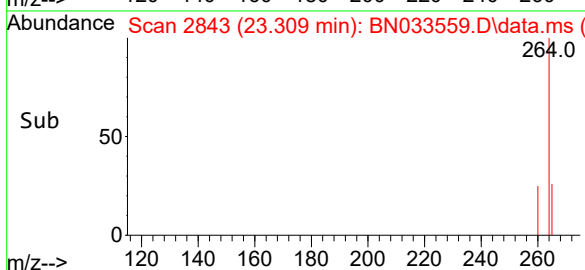
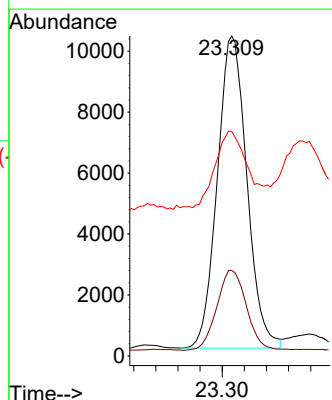
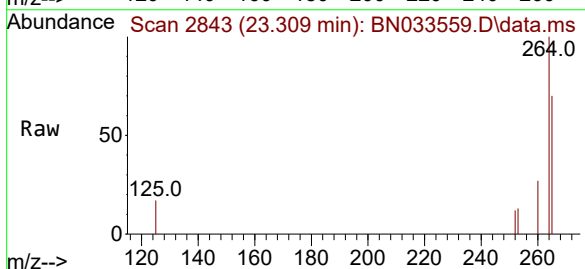
Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624

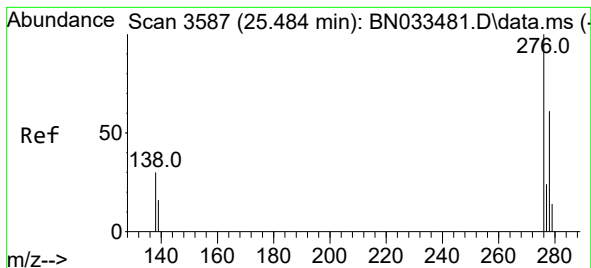
Tgt Ion:149 Resp: 12251
Ion Ratio Lower Upper
149 100
167 23.0 21.5 32.3
279 4.1 2.2 3.2#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.309 min Scan# 2843
Delta R.T. -0.012 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Tgt Ion:264 Resp: 18970
Ion Ratio Lower Upper
264 100
260 26.7 20.8 31.2
265 70.2 52.2 78.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 1.558 ng

RT: 25.457 min Scan# 3578

Delta R.T. -0.026 min

Lab File: BN033559.D

Acq: 22 Aug 2024 18:56

Instrument :

BNA_N

ClientSampleId :

S-901-J-0.5-1-081624

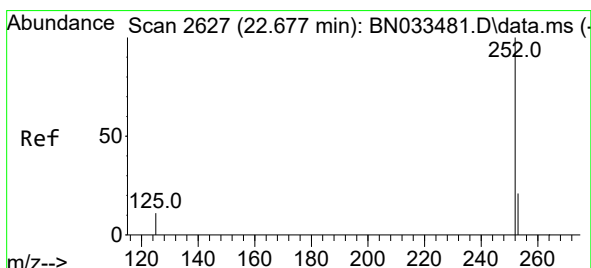
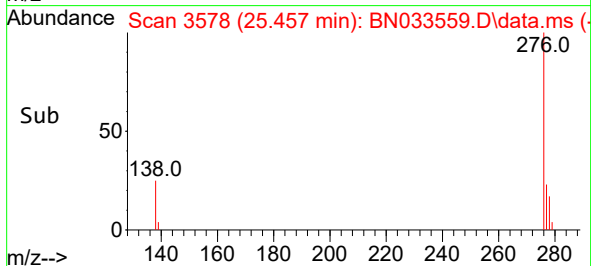
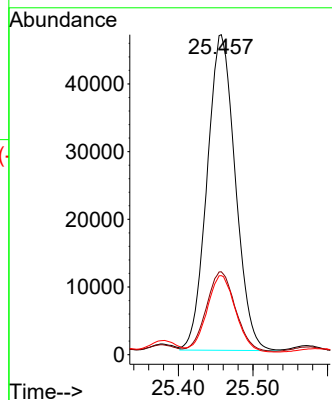
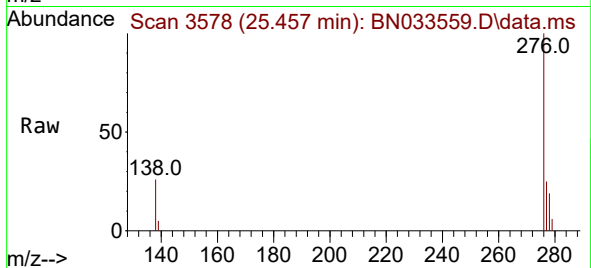
Tgt Ion:276 Resp: 122698

Ion Ratio Lower Upper

276 100

138 25.8 24.4 36.6

277 24.4 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 3.569 ng

RT: 22.665 min Scan# 2623

Delta R.T. -0.012 min

Lab File: BN033559.D

Acq: 22 Aug 2024 18:56

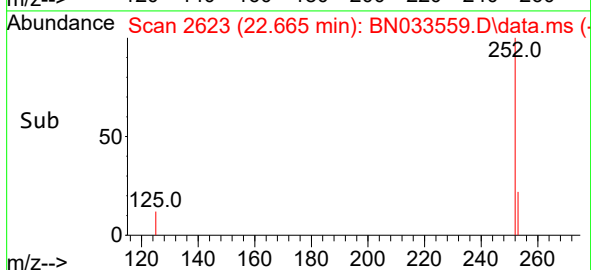
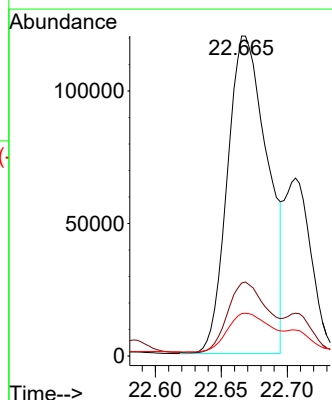
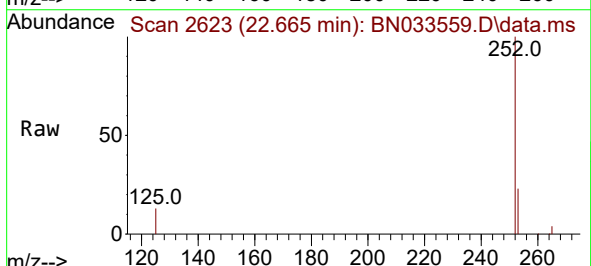
Tgt Ion:252 Resp: 252813

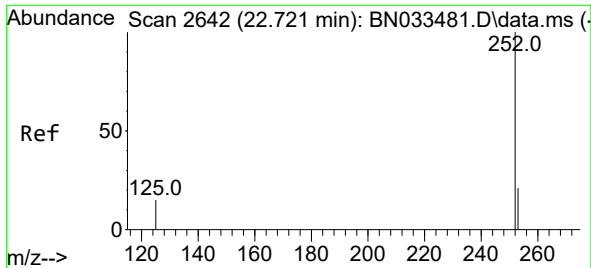
Ion Ratio Lower Upper

252 100

253 22.8 19.8 29.8

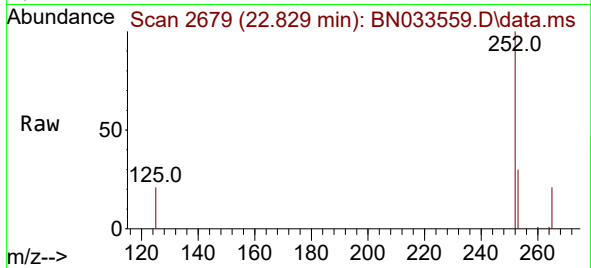
125 13.3 13.9 20.9#



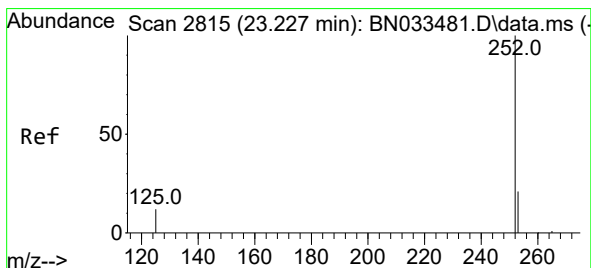
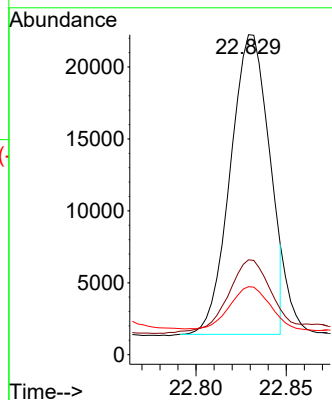


#38
Benzo(k)fluoranthene
Concen: 0.446 ng
RT: 22.829 min Scan# 21
Delta R.T. 0.108 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624

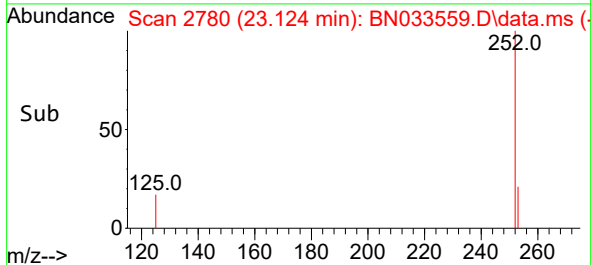
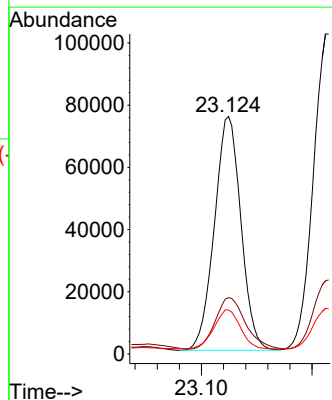
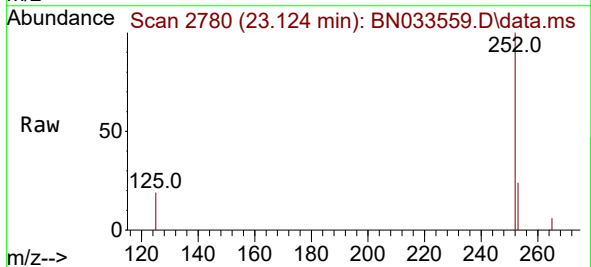


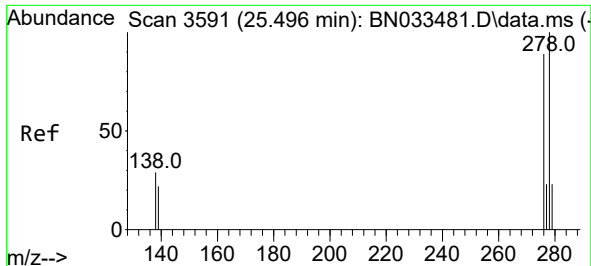
Tgt Ion:252 Resp: 31130
Ion Ratio Lower Upper
252 100
253 29.6 19.8 29.8
125 21.2 15.8 23.8



#39
Benzo(a)pyrene
Concen: 2.136 ng
RT: 23.124 min Scan# 2780
Delta R.T. -0.102 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Tgt Ion:252 Resp: 125194
Ion Ratio Lower Upper
252 100
253 23.7 21.5 32.3
125 18.5 17.0 25.4

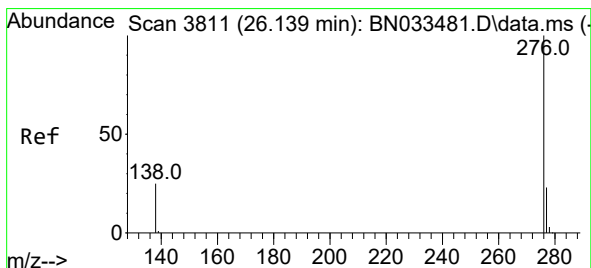
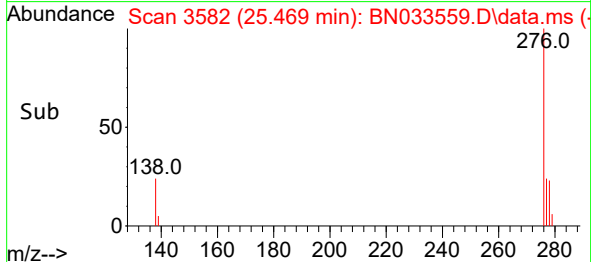
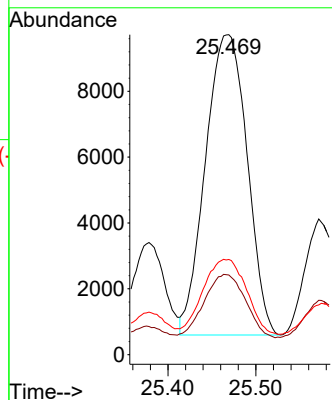
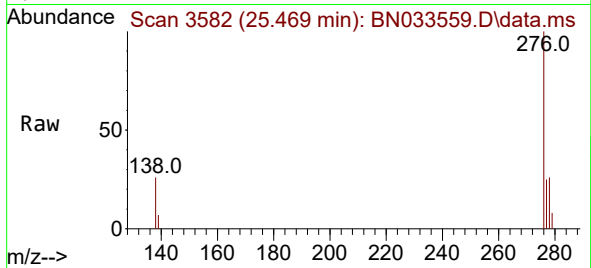




#40
Dibenzo(a,h)anthracene
Concen: 0.478 ng
RT: 25.469 min Scan# 31
Delta R.T. -0.026 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Instrument :
BNA_N
ClientSampleId :
S-901-J-0.5-1-081624

Tgt Ion:278 Resp: 30079
Ion Ratio Lower Upper
278 100
139 24.9 19.1 28.7
279 29.8 21.0 31.4



#41
Benzo(g,h,i)perylene
Concen: 1.813 ng
RT: 26.112 min Scan# 3802
Delta R.T. -0.026 min
Lab File: BN033559.D
Acq: 22 Aug 2024 18:56

Tgt Ion:276 Resp: 122111
Ion Ratio Lower Upper
276 100
277 24.0 19.7 29.5
138 26.4 21.8 32.6

