

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033593.D
 Acq On : 23 Aug 2024 17:11
 Operator : MA/JU
 Sample : P3660-05DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-906-J-0-0.5-081624DL

Quant Time: Aug 24 02:17:34 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

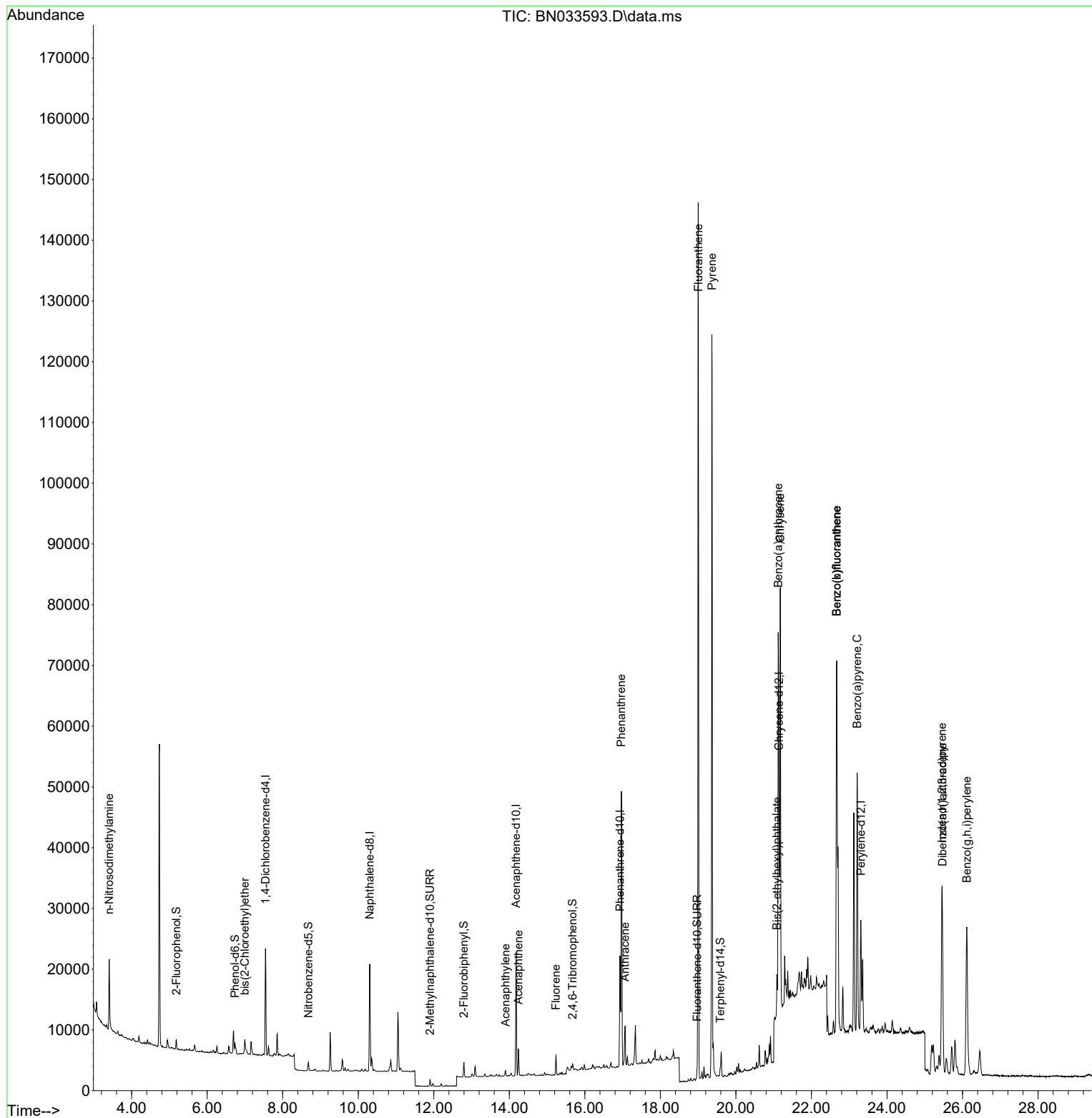
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8078	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	21842	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	11130	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	22812	0.400	ng	# 0.00
29) Chrysene-d12	21.139	240	19264	0.400	ng	0.00
35) Perylene-d12	23.309	264	21733	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	1189	0.046	ng	0.00
5) Phenol-d6	6.736	99	1481	0.048	ng	0.00
8) Nitrobenzene-d5	8.681	82	1027	0.057	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	1455	0.047	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	316	0.053	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	1899	0.042	ng	0.00
27) Fluoranthene-d10	18.975	212	1944	0.035	ng	0.00
31) Terphenyl-d14	19.588	244	1257	0.029	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.406	42	2183	0.202	ng	# 1
6) bis(2-Chloroethyl)ether	6.996	93	2615	0.121	ng	# 23
16) Acenaphthylene	13.900	152	1075	0.022	ng	97
17) Acenaphthene	14.242	154	2077	0.060	ng	98
18) Fluorene	15.236	166	2116	0.049	ng	98
25) Phenanthrene	16.966	178	48586	0.766	ng	96
26) Anthracene	17.066	178	6889	0.123	ng	# 93
28) Fluoranthene	19.003	202	125217	1.785	ng	100
30) Pyrene	19.365	202	106380	1.237	ng	# 95
32) Benzo(a)anthracene	21.121	228	53000	0.761	ng	97
33) Chrysene	21.175	228	59586	0.861	ng	97
34) Bis(2-ethylhexyl)phtha...	21.085	149	19107	0.433	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.457	276	47213	0.523	ng	# 93
37) Benzo(b)fluoranthene	22.668	252	93531	1.152	ng	98
38) Benzo(k)fluoranthene	22.668	252	93531	1.171	ng	# 96
39) Benzo(a)pyrene	23.212	252	55119	0.821	ng	97
40) Dibenzo(a,h)anthracene	25.469	278	10578	0.147	ng	# 75
41) Benzo(g,h,i)perylene	26.112	276	47625	0.617	ng	99

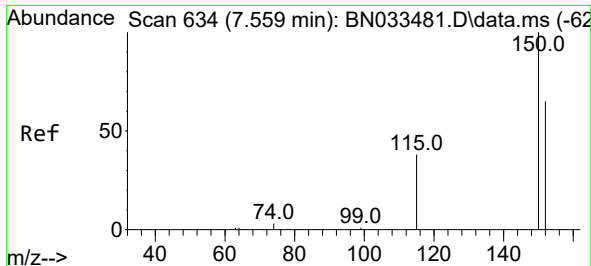
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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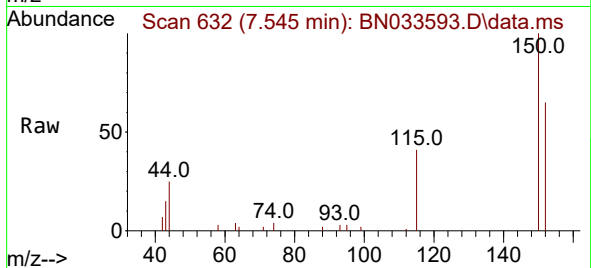
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 00:22:18 2024
Response via : Initial Calibration



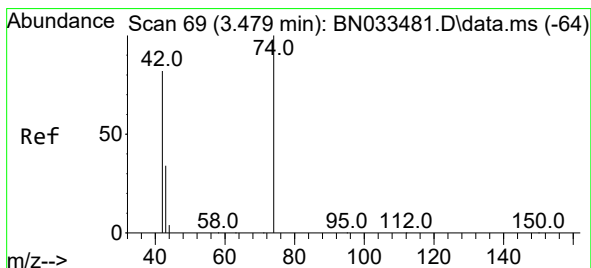
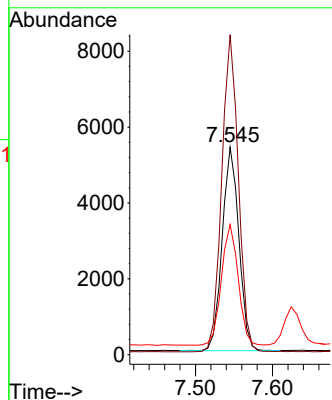
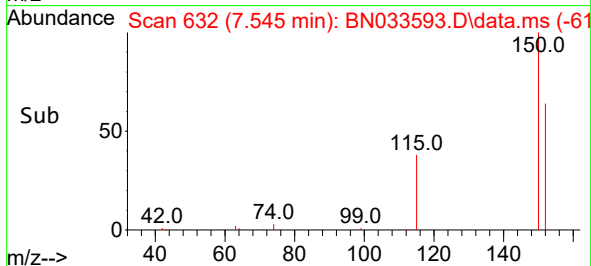


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

Instrument :
BNA_N
ClientSampleId :
S-906-J-0-0.5-081624DL

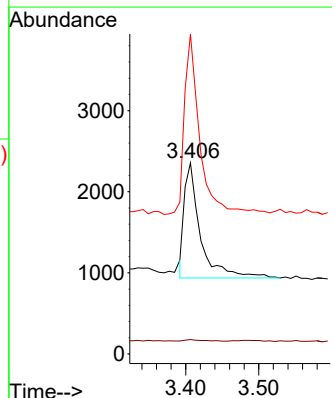
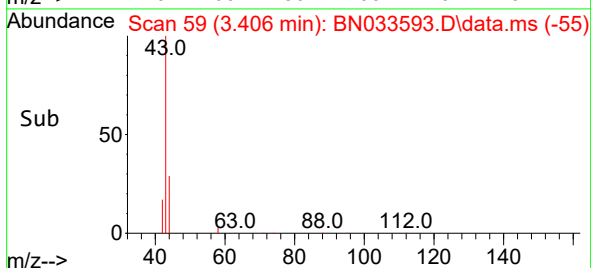
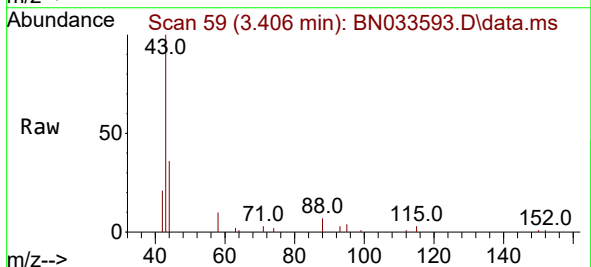


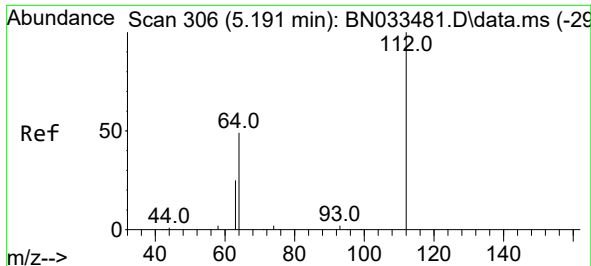
Tgt Ion:152 Resp: 8078
Ion Ratio Lower Upper
152 100
150 154.2 122.2 183.2
115 62.6 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.202 ng
RT: 3.406 min Scan# 59
Delta R.T. -0.072 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

Tgt Ion: 42 Resp: 2183
Ion Ratio Lower Upper
42 100
74 1.5 100.2 150.2#
44 138.9 5.3 7.9#

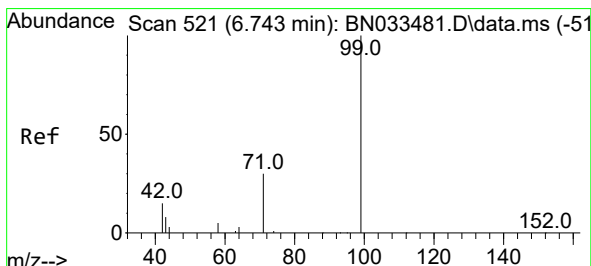
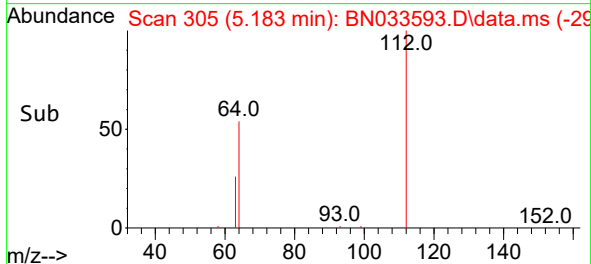
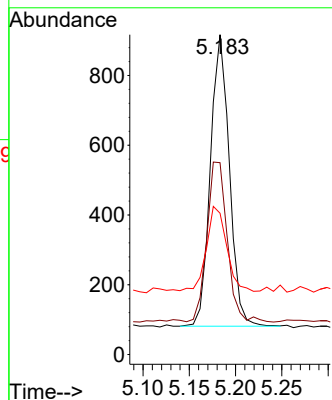
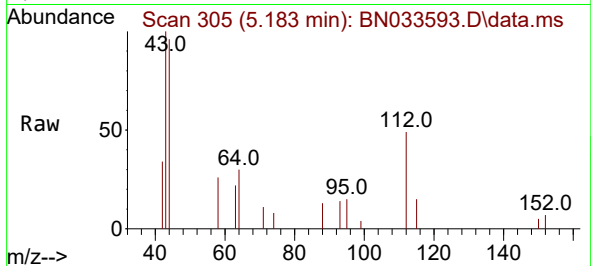




#4
2-Fluorophenol
Concen: 0.046 ng
RT: 5.183 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

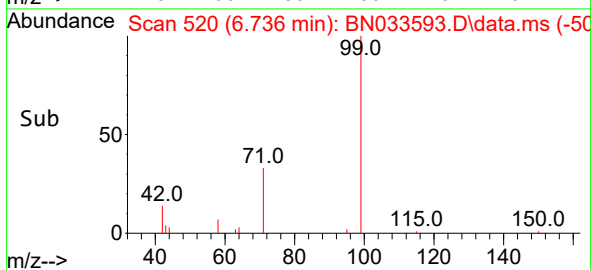
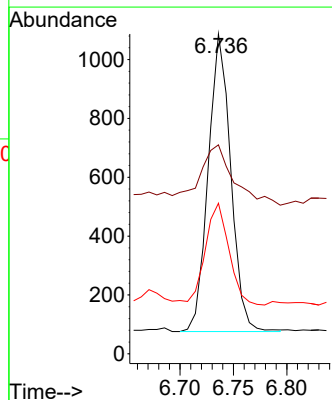
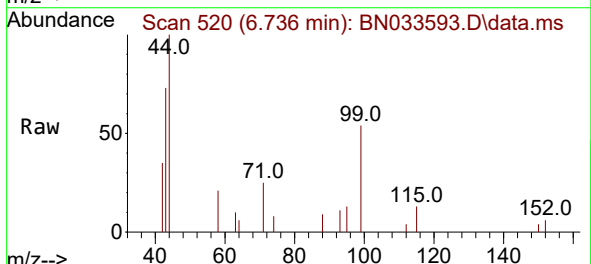
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ClientSampleId :
S-906-J-0-0.5-081624DL

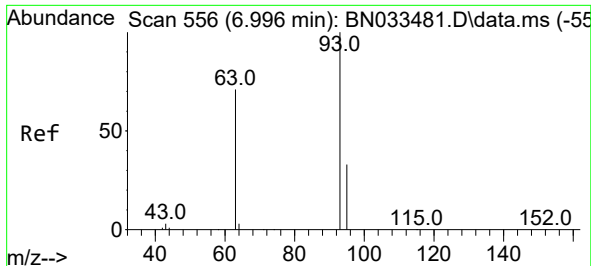
Tgt Ion:112 Resp: 1189
Ion Ratio Lower Upper
112 100
64 59.0 47.1 70.7
63 31.5 24.9 37.3



#5
Phenol-d6
Concen: 0.048 ng
RT: 6.736 min Scan# 520
Delta R.T. 0.007 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

Tgt Ion: 99 Resp: 1481
Ion Ratio Lower Upper
99 100
42 30.9 16.6 24.8#
71 36.5 26.2 39.4

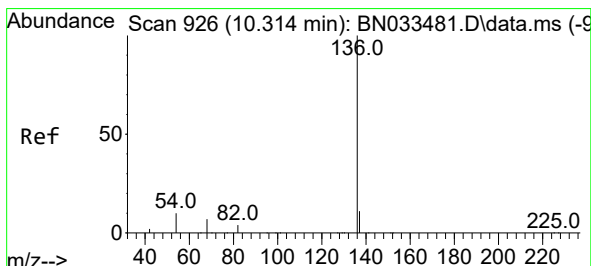
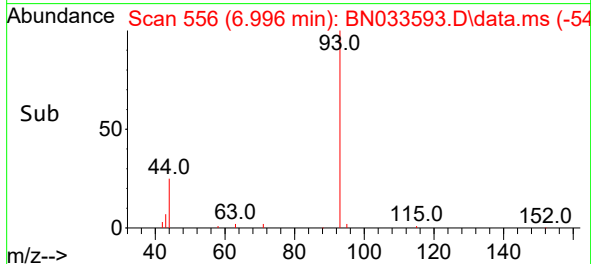
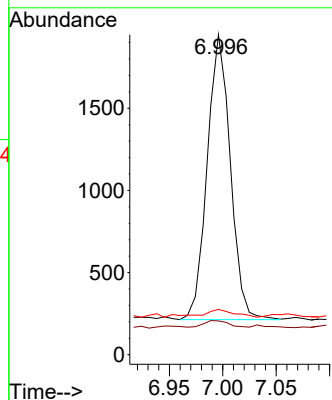
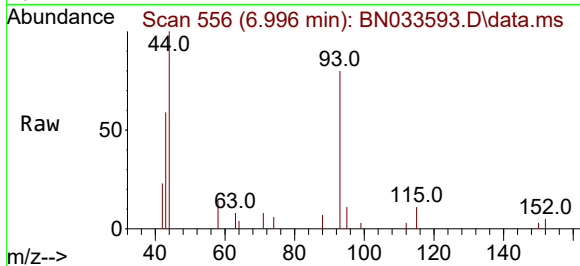




#6
bis(2-Chloroethyl)ether
Concen: 0.121 ng
RT: 6.996 min Scan# 511
Delta R.T. 0.014 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

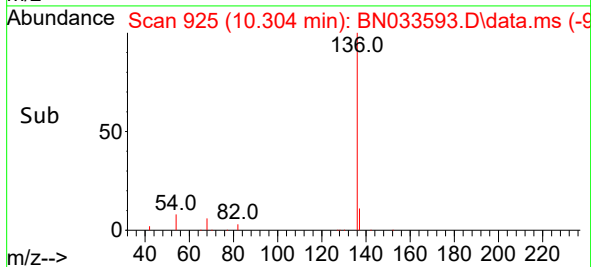
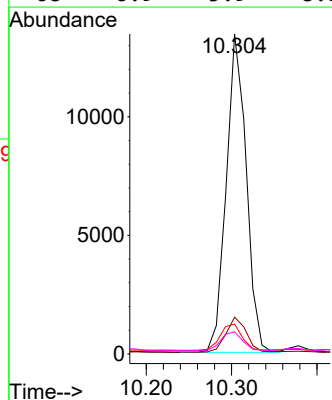
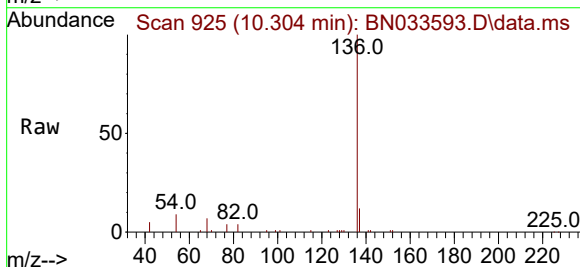
Instrument :
BNA_N
ClientSampleId :
S-906-J-0-0.5-081624DL

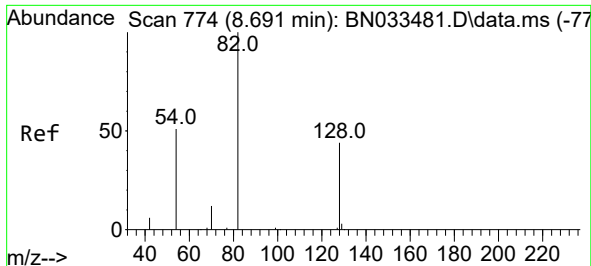
Tgt Ion: 93 Resp: 2615
Ion Ratio Lower Upper
93 100
63 2.5 63.0 94.4#
95 3.1 26.0 39.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

Tgt Ion: 136 Resp: 21842
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.3 8.3 12.5
68 6.9 5.9 8.9

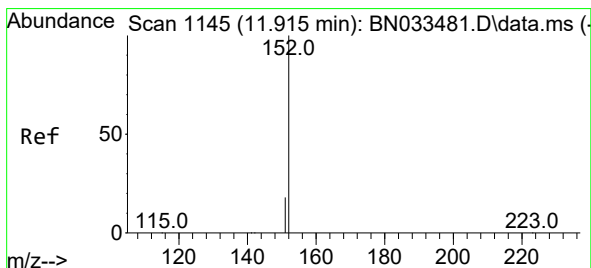
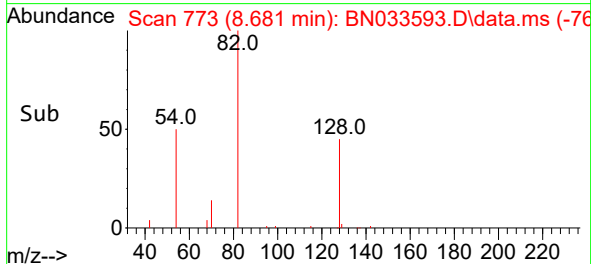
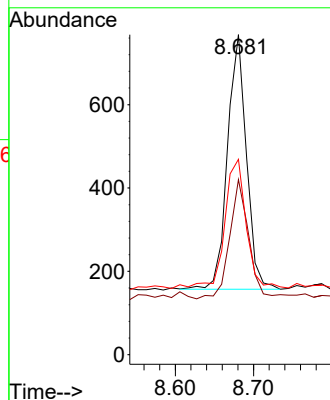
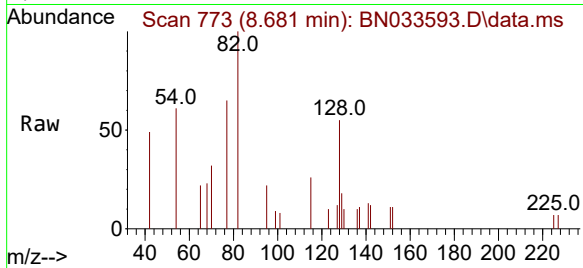




#8
Nitrobenzene-d5
Concen: 0.057 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

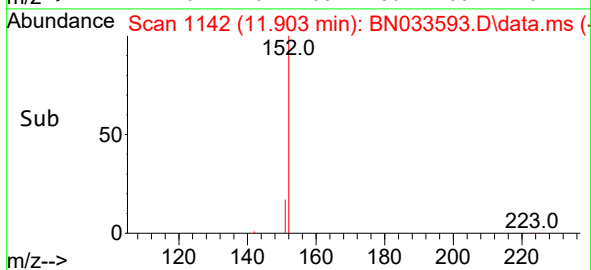
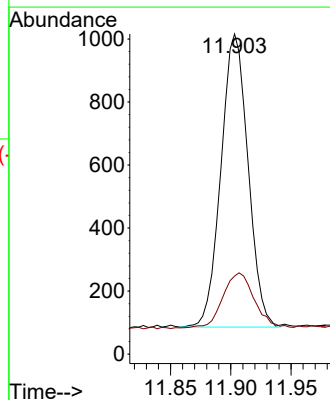
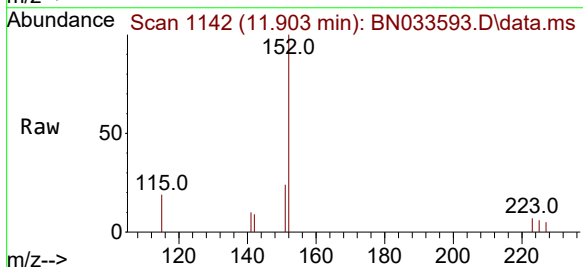
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BNA_N
ClientSampleId :
S-906-J-0-0.5-081624DL

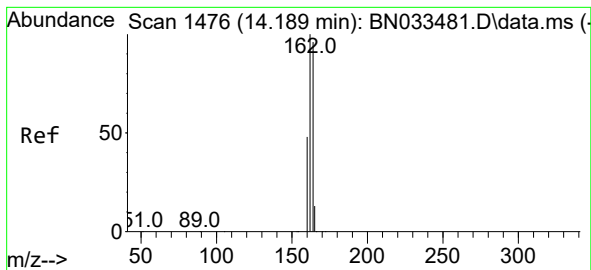
Tgt Ion: 82 Resp: 1027
Ion Ratio Lower Upper
82 100
128 54.7 36.0 54.0#
54 61.1 42.0 63.0



#11
2-Methylnaphthalene-d10
Concen: 0.047 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

Tgt Ion: 152 Resp: 1455
Ion Ratio Lower Upper
152 100
151 22.7 16.6 25.0





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.178 min Scan# 1475

Delta R.T. -0.000 min

Lab File: BN033593.D

Acq: 23 Aug 2024 17:11

Instrument :

BNA_N

ClientSampleId :

S-906-J-0-0.5-081624DL

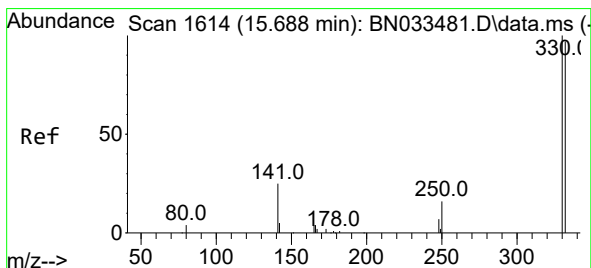
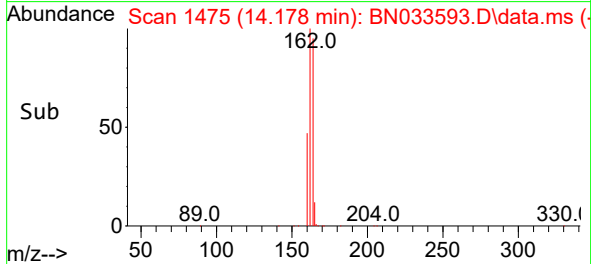
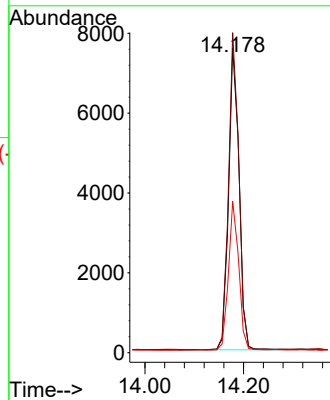
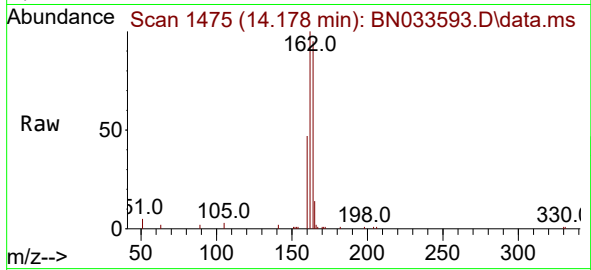
Tgt Ion:164 Resp: 11130

Ion Ratio Lower Upper

164 100

162 105.0 83.5 125.3

160 49.6 40.2 60.4



#14

2,4,6-Tribromophenol

Concen: 0.053 ng

RT: 15.676 min Scan# 1613

Delta R.T. -0.000 min

Lab File: BN033593.D

Acq: 23 Aug 2024 17:11

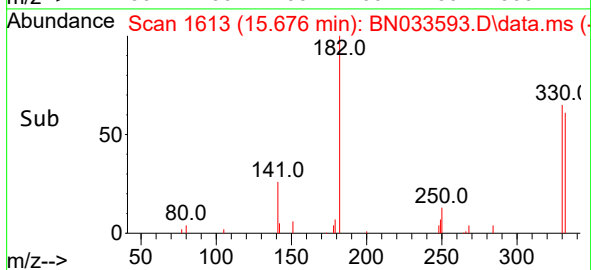
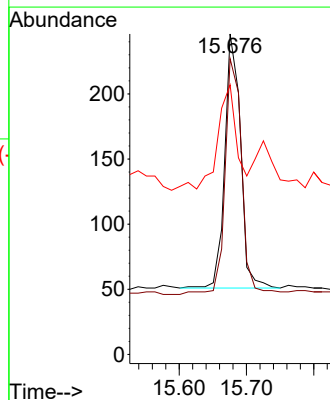
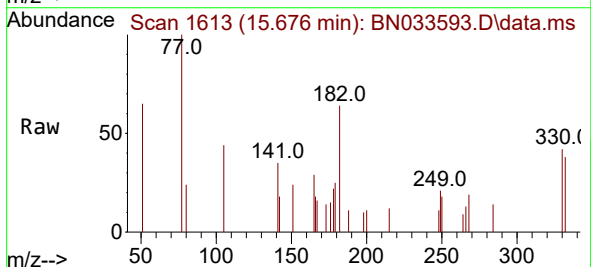
Tgt Ion:330 Resp: 316

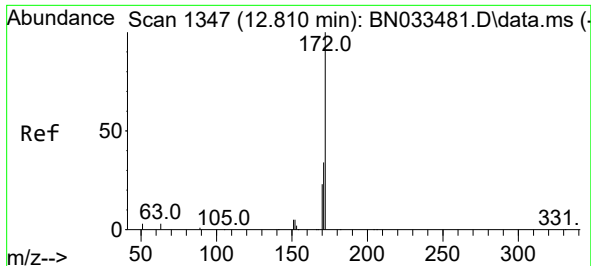
Ion Ratio Lower Upper

330 100

332 98.4 77.5 116.3

141 44.3 33.9 50.9

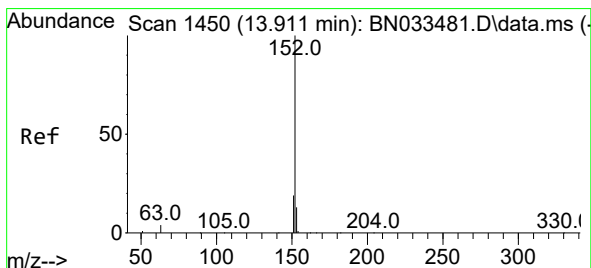
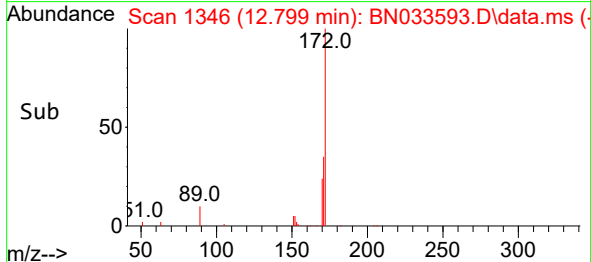
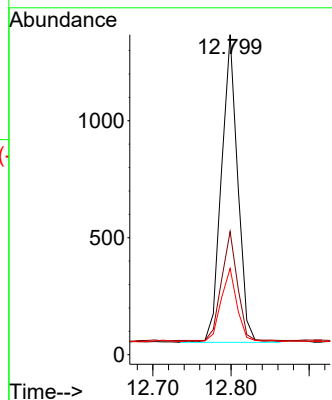
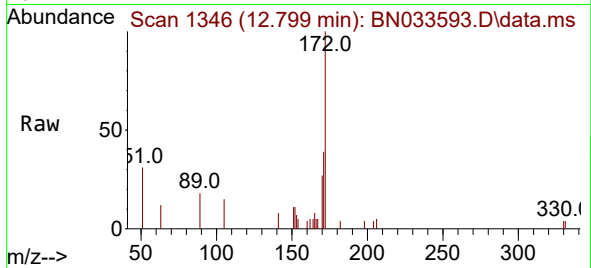




#15
2-Fluorobiphenyl
Concen: 0.042 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

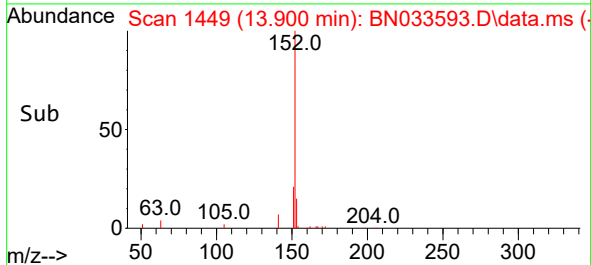
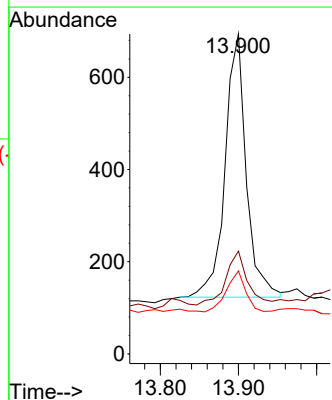
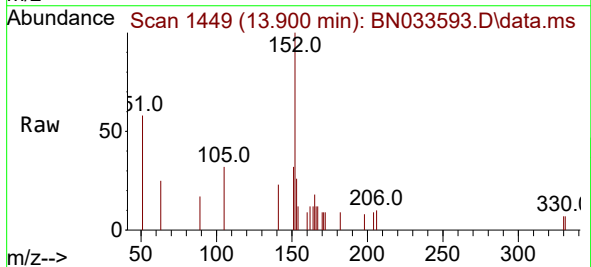
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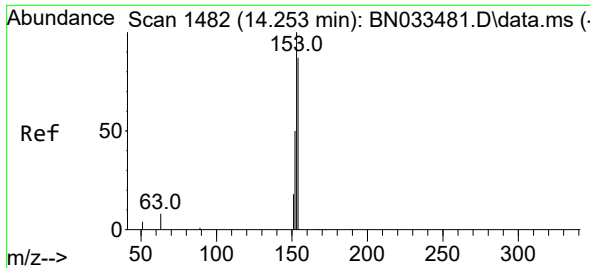
Tgt Ion:172	Resp:	1899
Ion Ratio	Lower	Upper
172	100	
171	38.5	27.7 41.5
170	27.0	18.3 27.5



#16
Acenaphthylene
Concen: 0.022 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

Tgt Ion:152	Resp:	1075
Ion Ratio	Lower	Upper
152	100	
151	20.9	15.7 23.5
153	14.0	10.3 15.5

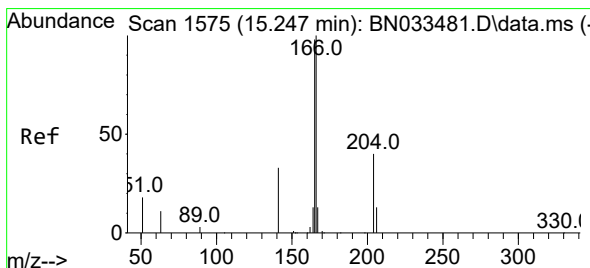
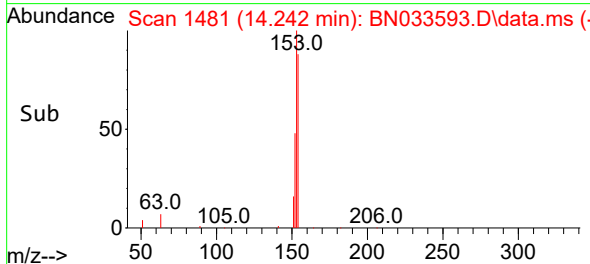
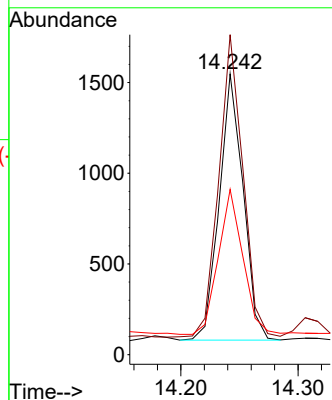
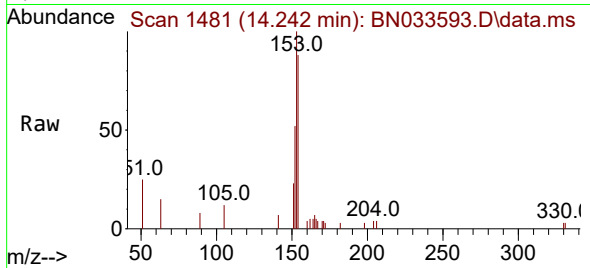




#17
Acenaphthene
Concen: 0.060 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

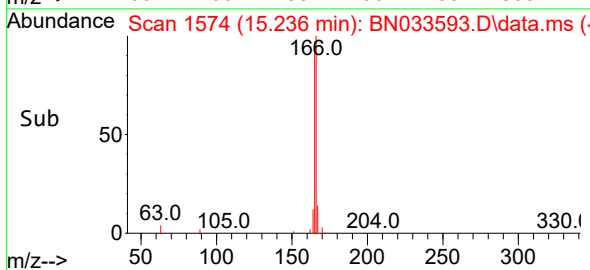
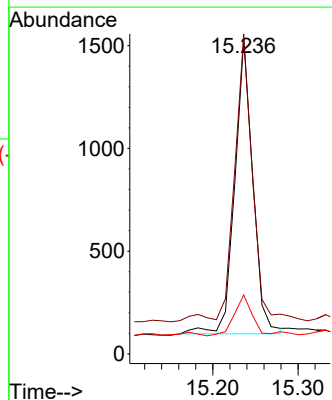
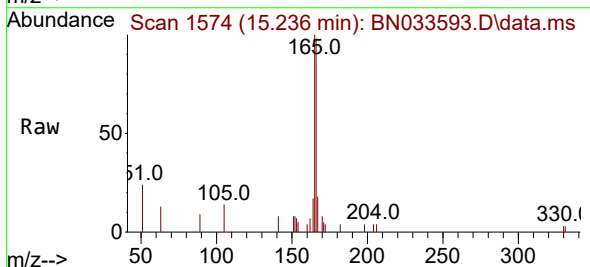
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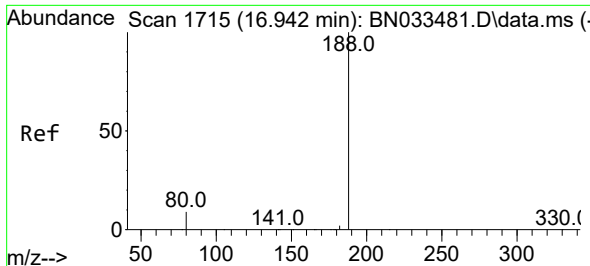
Tgt Ion:154 Resp: 2077
Ion Ratio Lower Upper
154 100
153 114.2 89.0 133.6
152 55.8 45.2 67.8



#18
Fluorene
Concen: 0.049 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

Tgt Ion:166 Resp: 2116
Ion Ratio Lower Upper
166 100
165 95.6 78.2 117.4
167 13.8 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: BN033593.D

Acq: 23 Aug 2024 17:11

Instrument :

BNA_N

ClientSampleId :

S-906-J-0-0.5-081624DL

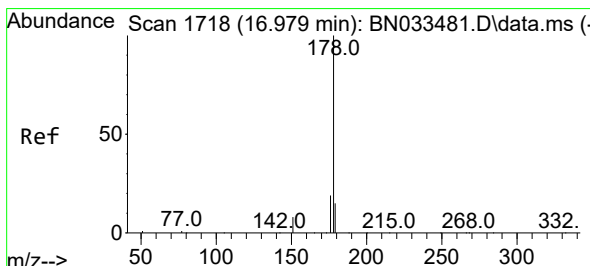
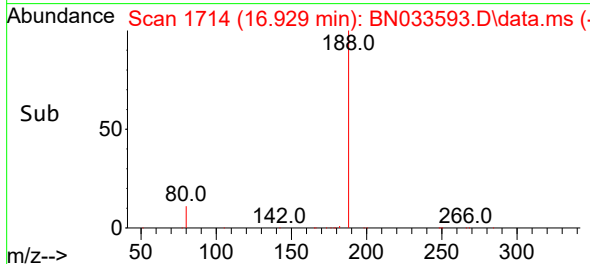
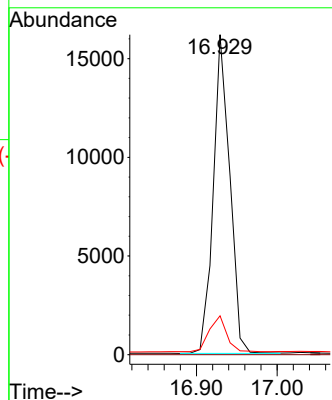
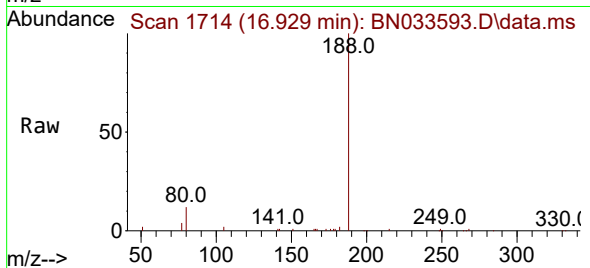
Tgt Ion:188 Resp: 22812

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.1 7.8 11.8#



#25

Phenanthrene

Concen: 0.766 ng

RT: 16.966 min Scan# 1717

Delta R.T. -0.000 min

Lab File: BN033593.D

Acq: 23 Aug 2024 17:11

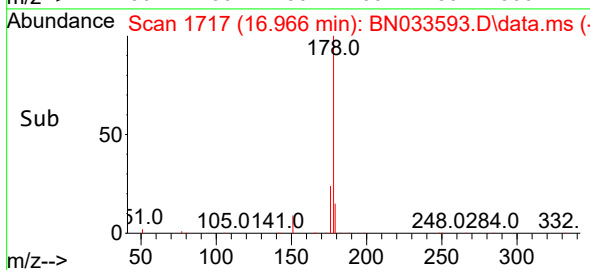
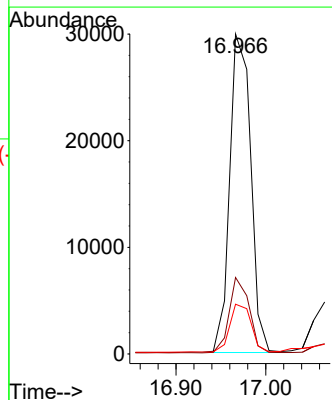
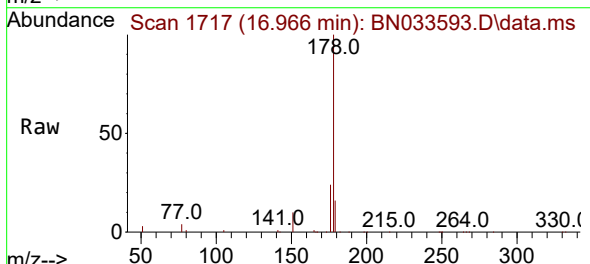
Tgt Ion:178 Resp: 48586

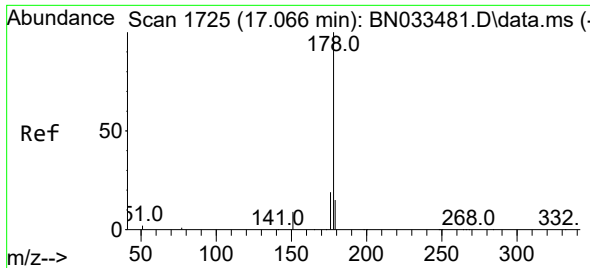
Ion Ratio Lower Upper

178 100

176 22.4 15.3 22.9

179 15.3 12.3 18.5

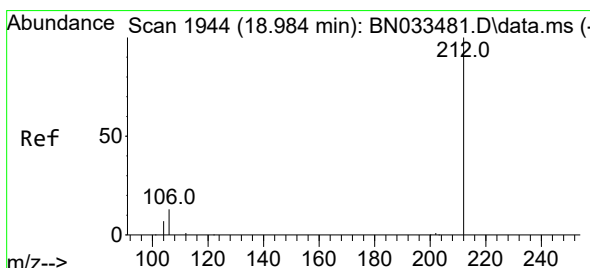
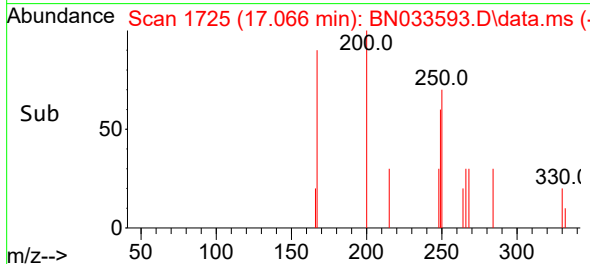
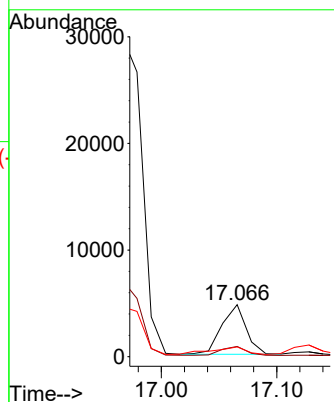
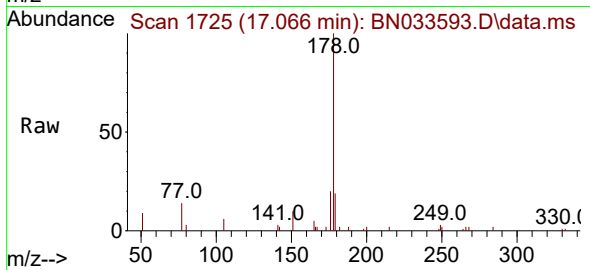




#26
 Anthracene
 Concen: 0.123 ng
 RT: 17.066 min Scan# 1725
 Delta R.T. -0.000 min
 Lab File: BN033593.D
 Acq: 23 Aug 2024 17:11

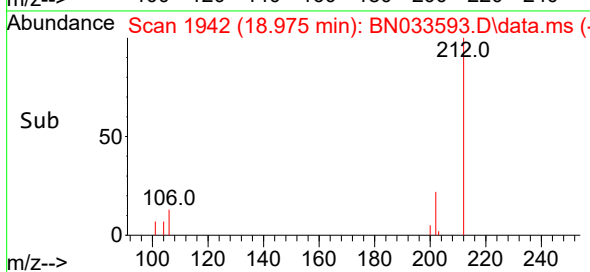
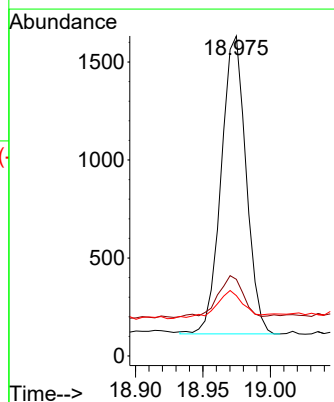
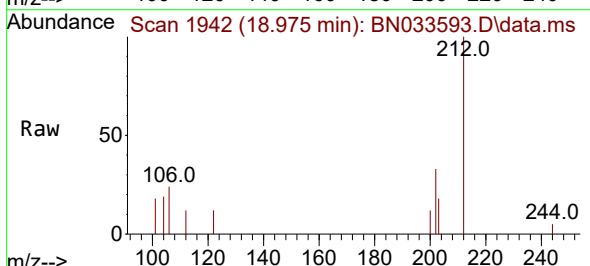
Instrument :
 BNA_N
 ClientSampleId :
 S-906-J-0-0.5-081624DL

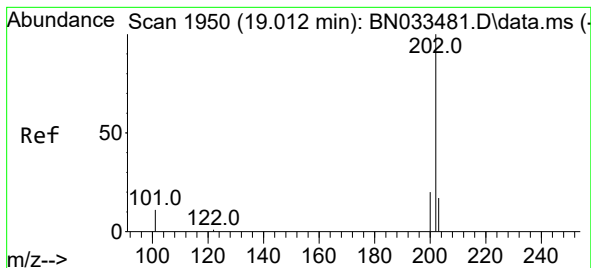
Tgt Ion:178 Resp: 6889
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.6
 179 21.0 12.4 18.6#



#27
 Fluoranthene-d10
 Concen: 0.035 ng
 RT: 18.975 min Scan# 1942
 Delta R.T. 0.004 min
 Lab File: BN033593.D
 Acq: 23 Aug 2024 17:11

Tgt Ion:212 Resp: 1944
 Ion Ratio Lower Upper
 212 100
 106 14.3 12.3 18.5
 104 10.5 7.0 10.4#





#28

Fluoranthene

Concen: 1.785 ng

RT: 19.003 min Scan# 1948

Delta R.T. -0.000 min

Lab File: BN033593.D

Acq: 23 Aug 2024 17:11

Instrument :

BNA_N

ClientSampleId :

S-906-J-0-0.5-081624DL

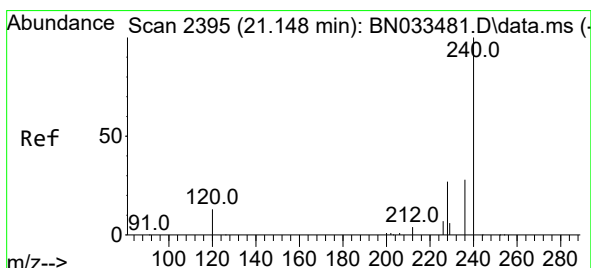
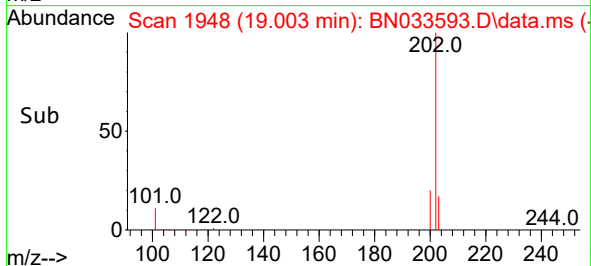
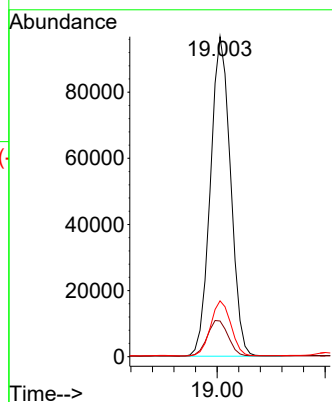
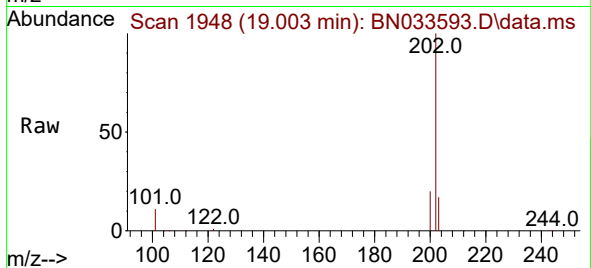
Tgt Ion:202 Resp: 125217

Ion Ratio Lower Upper

202 100

101 11.6 9.5 14.3

203 17.2 13.8 20.6



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.139 min Scan# 2394

Delta R.T. -0.000 min

Lab File: BN033593.D

Acq: 23 Aug 2024 17:11

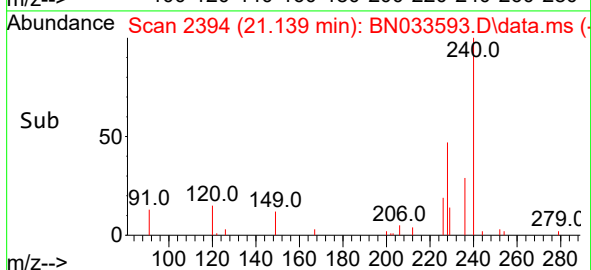
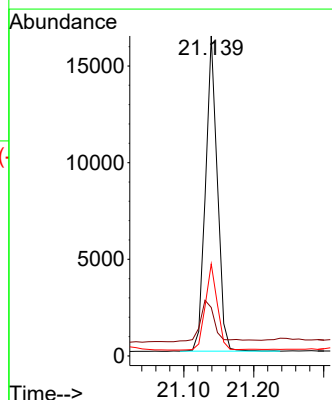
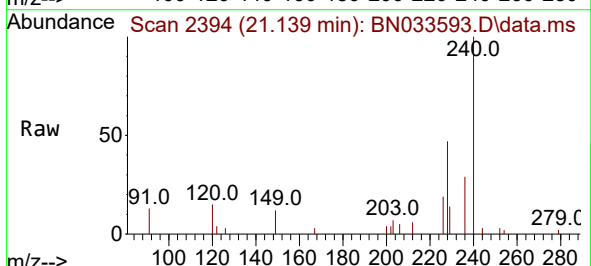
Tgt Ion:240 Resp: 19264

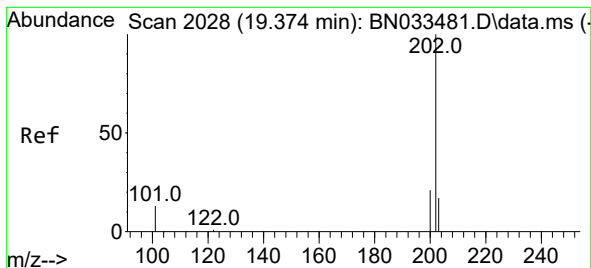
Ion Ratio Lower Upper

240 100

120 15.1 12.4 18.6

236 28.8 23.0 34.6





#30

Pyrene

Concen: 1.237 ng

RT: 19.365 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BN033593.D

Acq: 23 Aug 2024 17:11

Instrument :

BNA_N

ClientSampleId :

S-906-J-0-0.5-081624DL

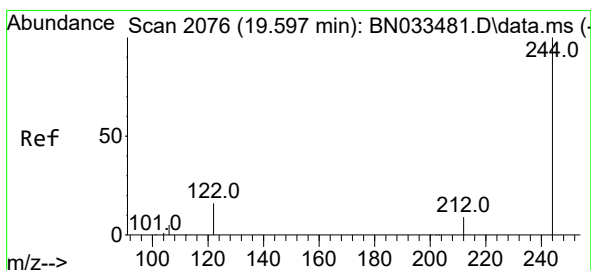
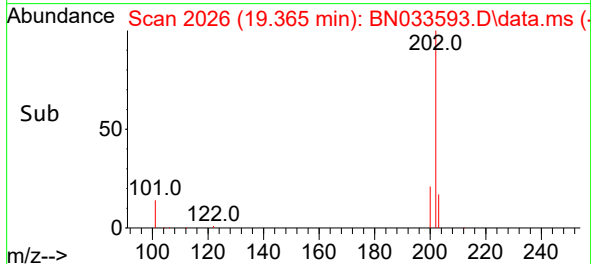
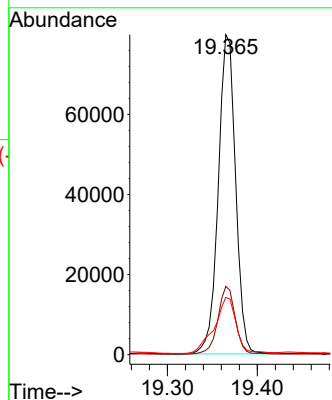
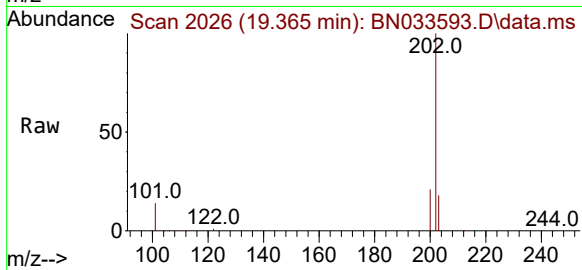
Tgt Ion:202 Resp: 106380

Ion Ratio Lower Upper

202 100

200 21.4 16.6 24.8

203 22.1 14.2 21.4#



#31

Terphenyl-d14

Concen: 0.029 ng

RT: 19.588 min Scan# 2074

Delta R.T. 0.004 min

Lab File: BN033593.D

Acq: 23 Aug 2024 17:11

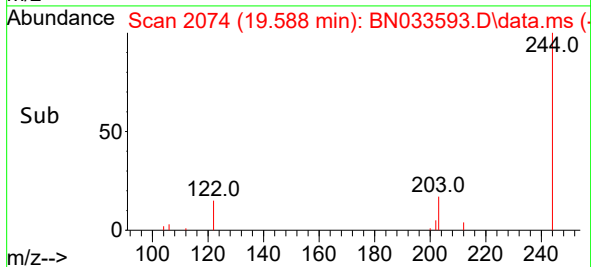
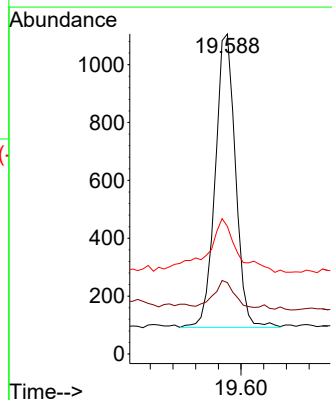
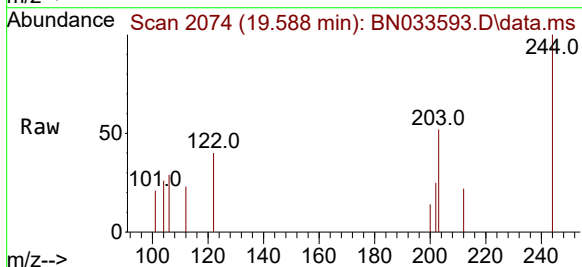
Tgt Ion:244 Resp: 1257

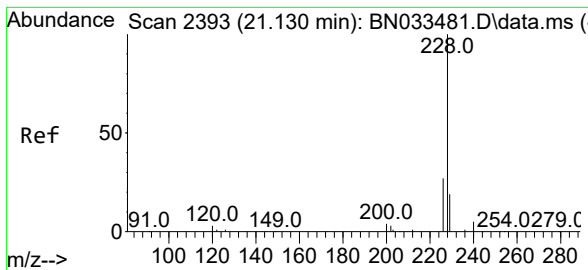
Ion Ratio Lower Upper

244 100

212 22.3 7.8 11.6#

122 39.9 13.3 19.9#





#32

Benzo(a)anthracene

Concen: 0.761 ng

RT: 21.121 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033593.D

Acq: 23 Aug 2024 17:11

Instrument :

BNA_N

ClientSampleId :

S-906-J-0-0.5-081624DL

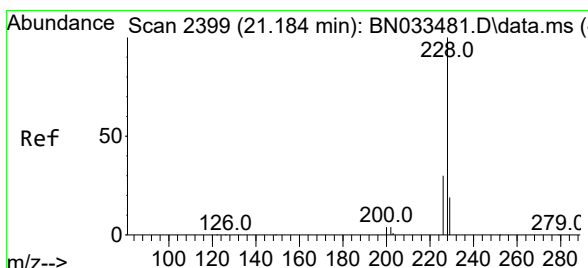
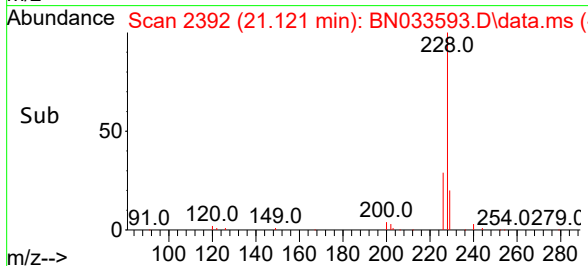
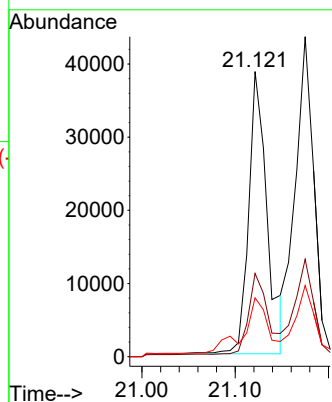
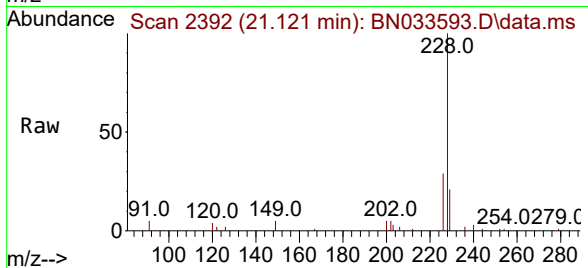
Tgt Ion:228 Resp: 53000

Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.6

229 20.7 15.8 23.6



#33

Chrysene

Concen: 0.861 ng

RT: 21.175 min Scan# 2398

Delta R.T. -0.000 min

Lab File: BN033593.D

Acq: 23 Aug 2024 17:11

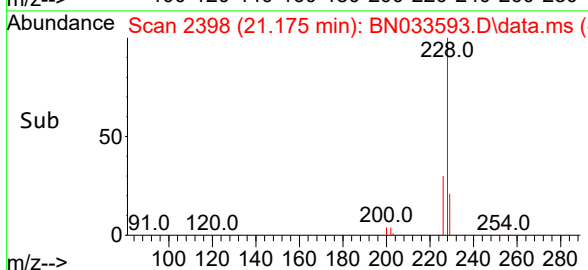
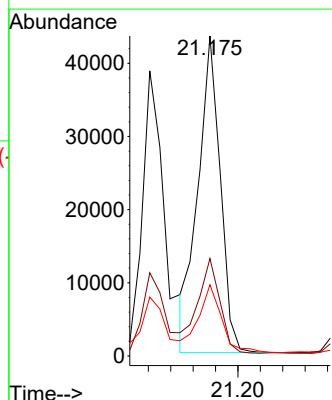
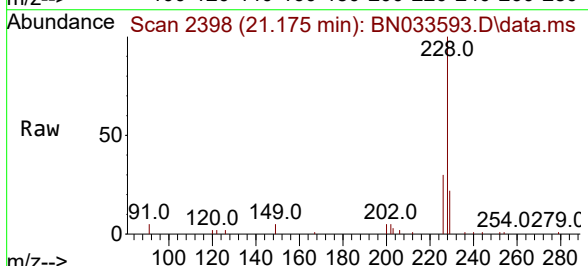
Tgt Ion:228 Resp: 59586

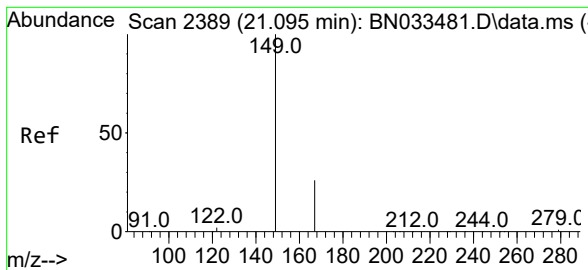
Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.8

229 22.3 15.6 23.4

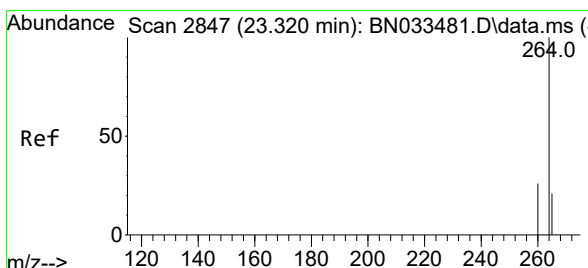
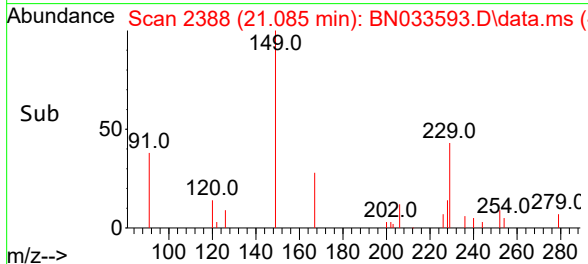
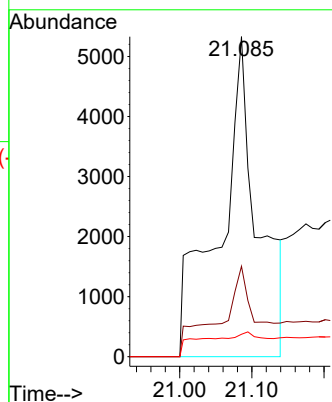
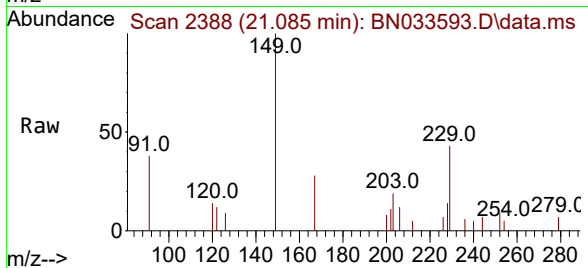




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.433 ng
 RT: 21.085 min Scan# 2107
 Delta R.T. -0.000 min
 Lab File: BN033593.D
 Acq: 23 Aug 2024 17:11

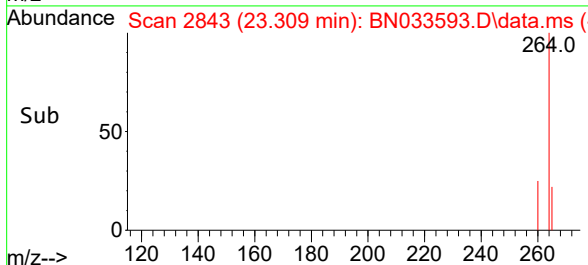
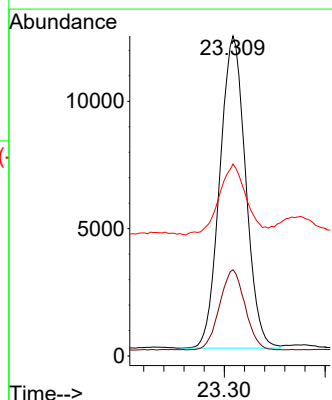
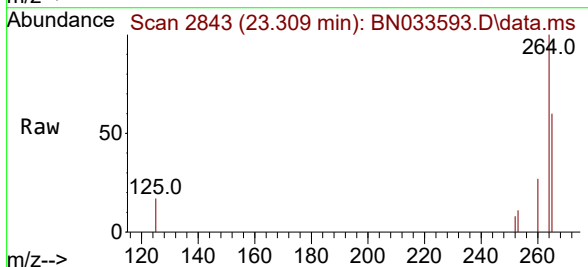
Instrument :
 BNA_N
 ClientSampleId :
 S-906-J-0-0.5-081624DL

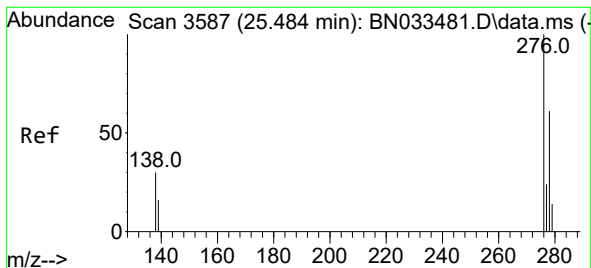
Tgt Ion:149 Resp: 19107
 Ion Ratio Lower Upper
 149 100
 167 27.5 21.5 32.3
 279 12.9 2.2 3.2#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.309 min Scan# 2843
 Delta R.T. 0.006 min
 Lab File: BN033593.D
 Acq: 23 Aug 2024 17:11

Tgt Ion:264 Resp: 21733
 Ion Ratio Lower Upper
 264 100
 260 26.9 20.8 31.2
 265 59.9 52.2 78.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.523 ng

RT: 25.457 min Scan# 3

Delta R.T. 0.009 min

Lab File: BN033593.D

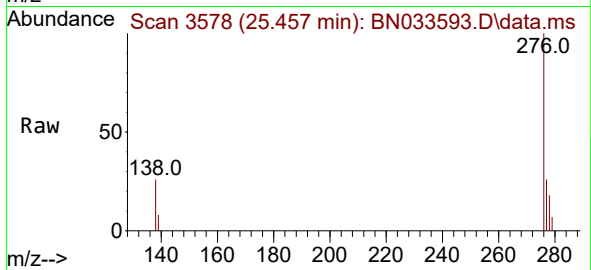
Acq: 23 Aug 2024 17:11

Instrument :

BNA_N

ClientSampleId :

S-906-J-0-0.5-081624DL



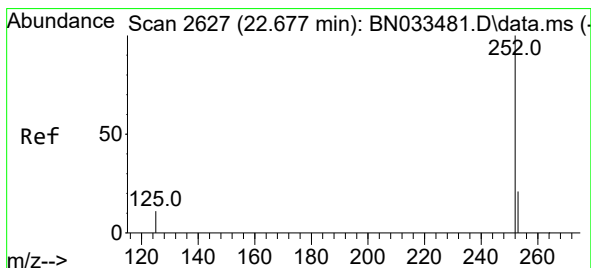
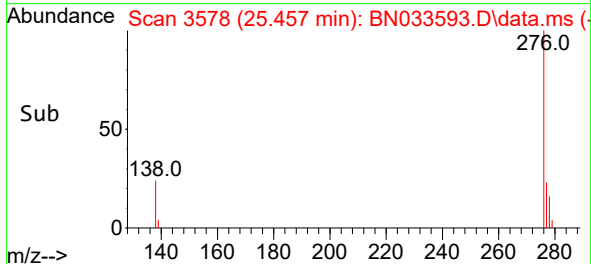
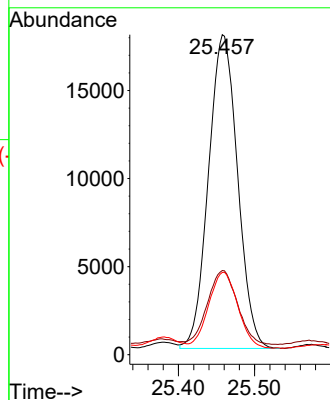
Tgt Ion:276 Resp: 47213

Ion Ratio Lower Upper

276 100

138 24.1 24.4 36.6#

277 24.4 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 1.152 ng

RT: 22.668 min Scan# 2624

Delta R.T. 0.009 min

Lab File: BN033593.D

Acq: 23 Aug 2024 17:11

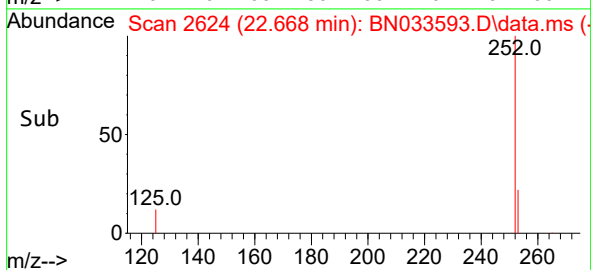
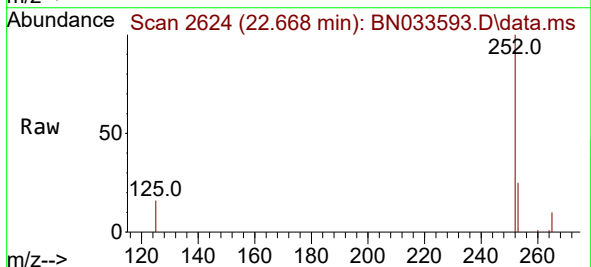
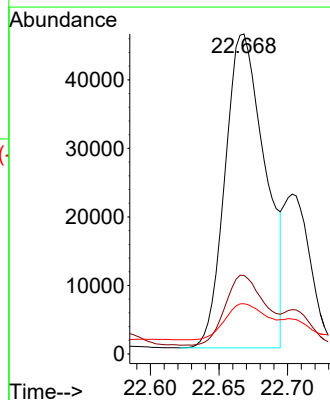
Tgt Ion:252 Resp: 93531

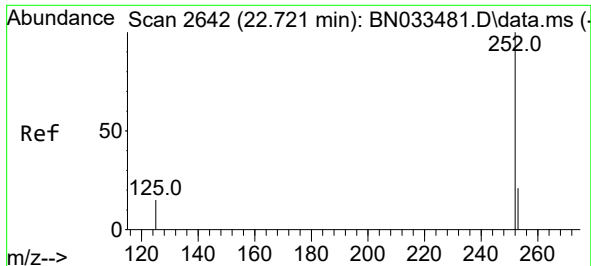
Ion Ratio Lower Upper

252 100

253 24.6 19.8 29.8

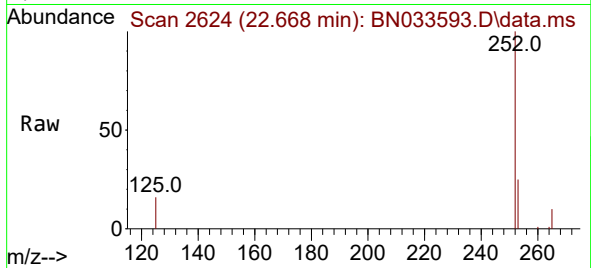
125 15.7 13.9 20.9



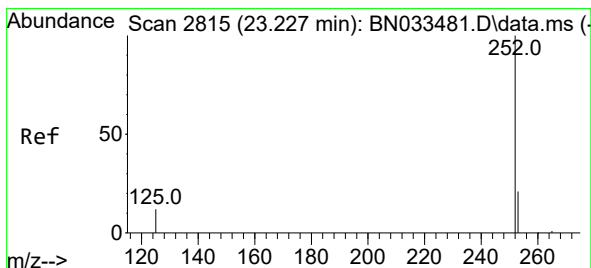
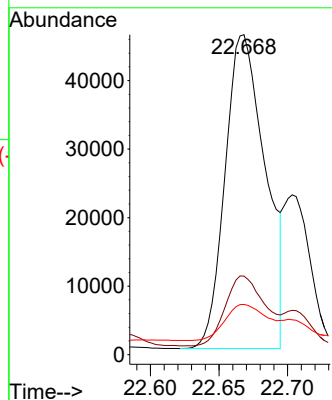


#38
Benzo(k)fluoranthene
Concen: 1.171 ng
RT: 22.668 min Scan# 20
Delta R.T. -0.035 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

Instrument :
BNA_N
ClientSampleId :
S-906-J-0-0.5-081624DL

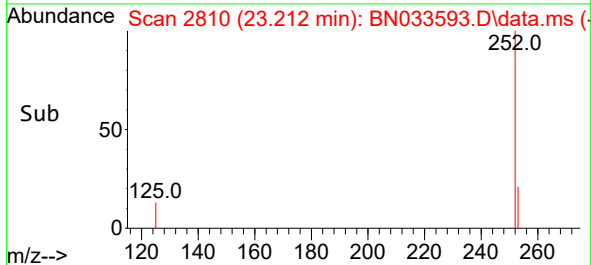
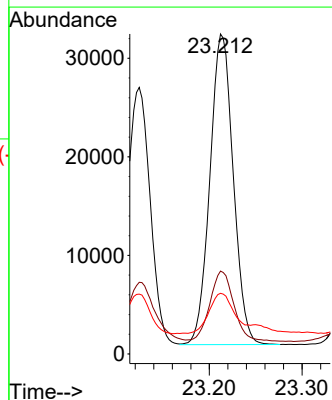
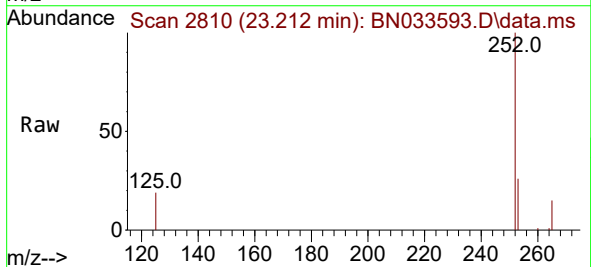


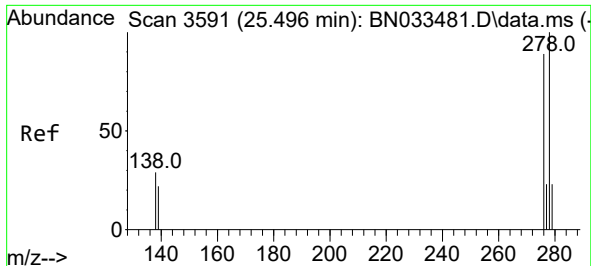
Tgt Ion:252 Resp: 93531
Ion Ratio Lower Upper
252 100
253 24.6 19.8 29.8
125 15.7 15.8 23.8#



#39
Benzo(a)pyrene
Concen: 0.821 ng
RT: 23.212 min Scan# 2810
Delta R.T. 0.003 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

Tgt Ion:252 Resp: 55119
Ion Ratio Lower Upper
252 100
253 25.9 21.5 32.3
125 19.0 17.0 25.4

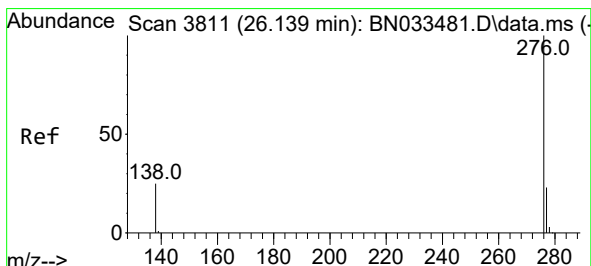
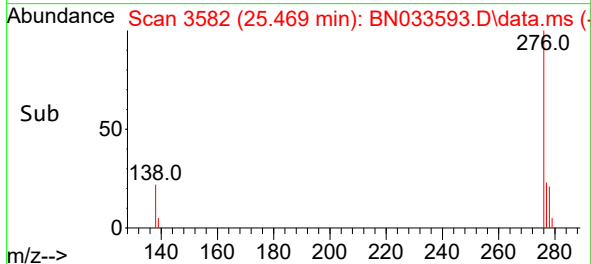
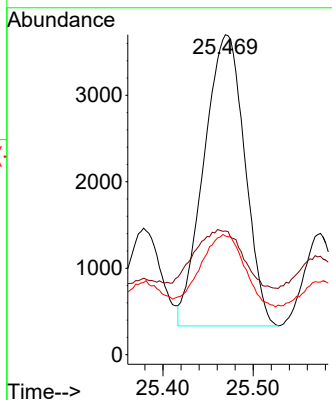
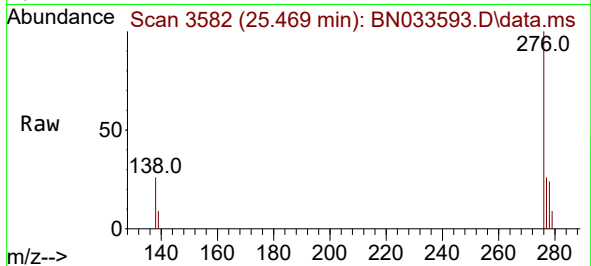




#40
Dibenzo(a,h)anthracene
Concen: 0.147 ng
RT: 25.469 min Scan# 310
Delta R.T. -0.000 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

Instrument :
BNA_N
ClientSampleId :
S-906-J-0-0.5-081624DL

Tgt Ion:278 Resp: 10578
Ion Ratio Lower Upper
278 100
139 38.7 19.1 28.7#
279 37.1 21.0 31.4#



#41
Benzo(g,h,i)perylene
Concen: 0.617 ng
RT: 26.112 min Scan# 3802
Delta R.T. 0.009 min
Lab File: BN033593.D
Acq: 23 Aug 2024 17:11

Tgt Ion:276 Resp: 47625
Ion Ratio Lower Upper
276 100
277 25.3 19.7 29.5
138 26.6 21.8 32.6

