

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033568.D
 Acq On : 23 Aug 2024 01:05
 Operator : MA/JU
 Sample : P3671-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-905-J-SO-0-0.5-081924

Quant Time: Aug 23 01:36:17 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)

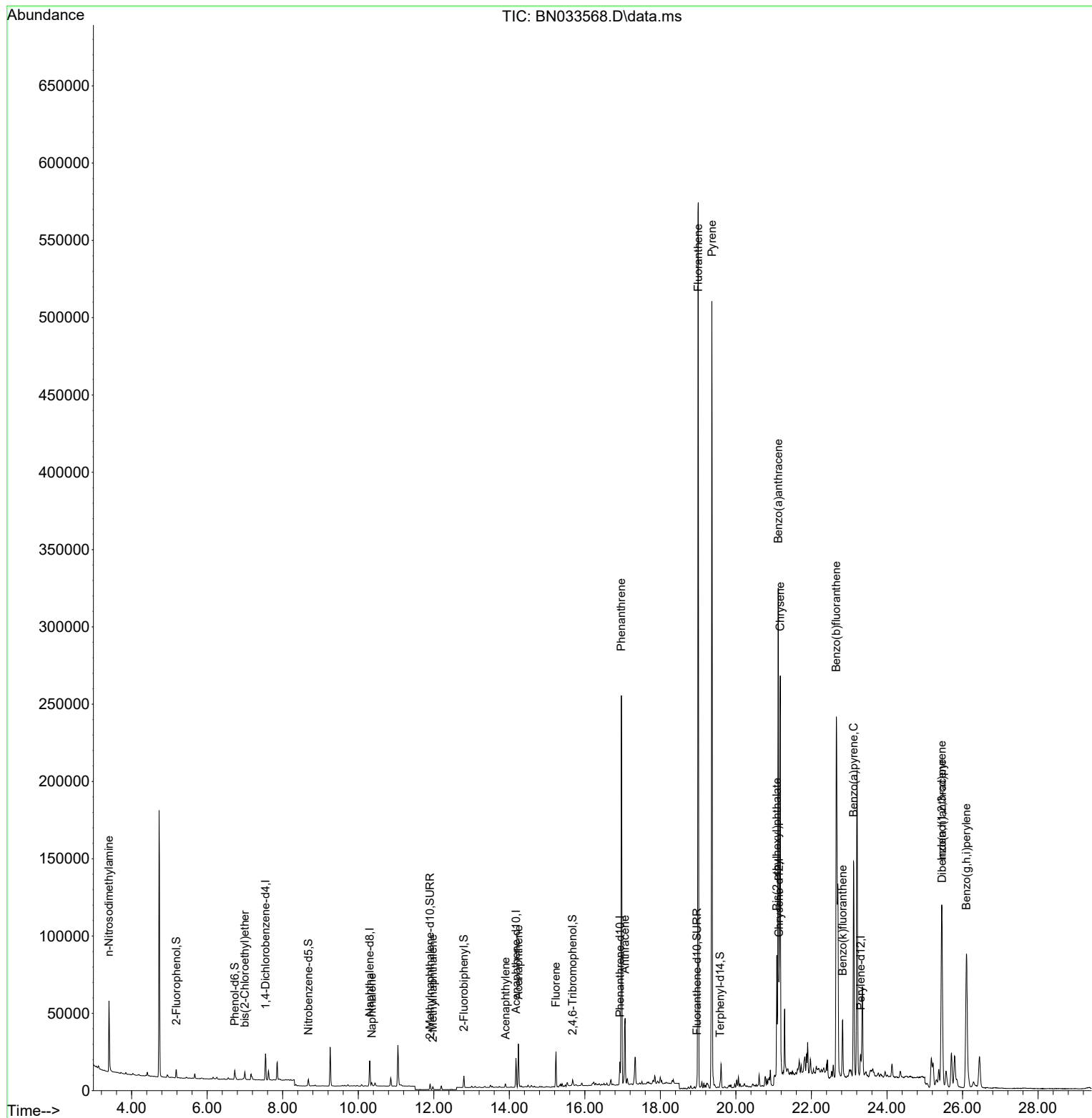
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	7735	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	20459	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	9843	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	18367	0.400	ng	0.00
29) Chrysene-d12	21.139	240	15413	0.400	ng	0.00
35) Perylene-d12	23.303	264	16704	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	3935	0.160	ng	0.00
5) Phenol-d6	6.729	99	4875	0.167	ng	0.00
8) Nitrobenzene-d5	8.681	82	3190	0.188	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	4662	0.159	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	780	0.147	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	6144	0.153	ng	0.00
27) Fluoranthene-d10	18.970	212	5035	0.114	ng	0.00
31) Terphenyl-d14	19.583	244	3133	0.089	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.399	42	6003	0.580	ng	# 1
6) bis(2-Chloroethyl)ether	6.996	93	6051	0.292	ng	# 23
9) Naphthalene	10.357	128	2589	0.047	ng	# 90
12) 2-Methylnaphthalene	11.979	142	1314	0.038	ng	# 92
16) Acenaphthylene	13.900	152	2481	0.057	ng	97
17) Acenaphthene	14.242	154	12835	0.423	ng	98
18) Fluorene	15.236	166	13939	0.364	ng	98
25) Phenanthrene	16.967	178	255438	4.999	ng	100
26) Anthracene	17.066	178	48729	1.078	ng	# 96
28) Fluoranthene	19.003	202	508617	9.008	ng	100
30) Pyrene	19.365	202	439507	6.389	ng	# 95
32) Benzo(a)anthracene	21.121	228	253086	4.542	ng	99
33) Chrysene	21.175	228	245143	4.426	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	60608	1.718	ng	97
36) Indeno(1,2,3-cd)pyrene	25.452	276	172583	2.489	ng	95
37) Benzo(b)fluoranthene	22.660	252	362431	5.810	ng	# 94
38) Benzo(k)fluoranthene	22.826	252	39124	0.637	ng	94
39) Benzo(a)pyrene	23.116	252	178657	3.461	ng	93
40) Dibenzo(a,h)anthracene	25.460	278	41081	0.741	ng	97
41) Benzo(g,h,i)perylene	26.104	276	169795	2.863	ng	98

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

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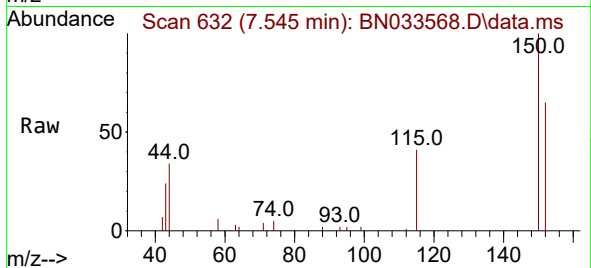
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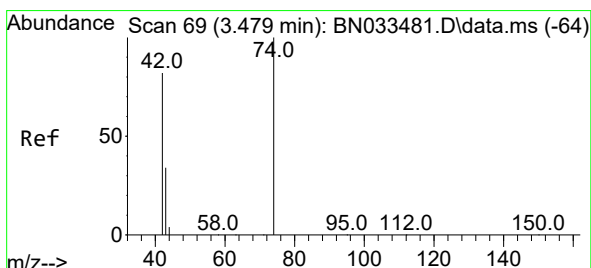
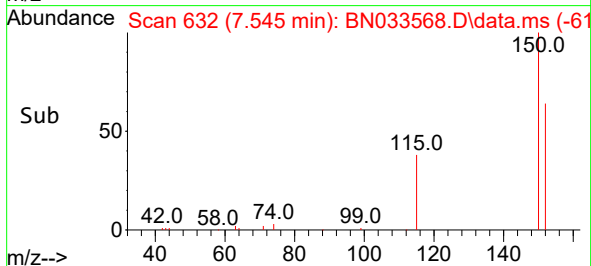
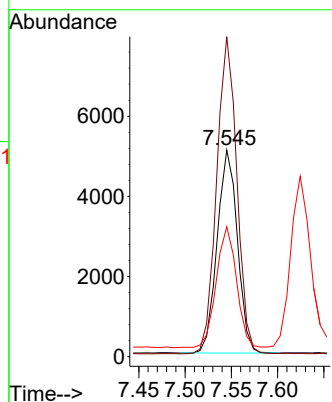


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

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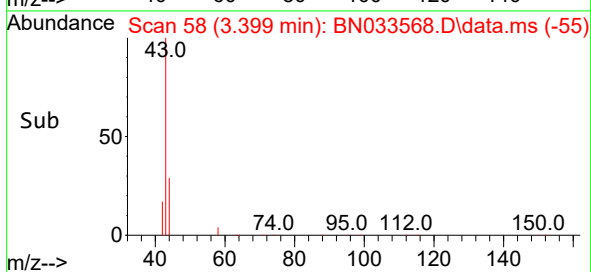
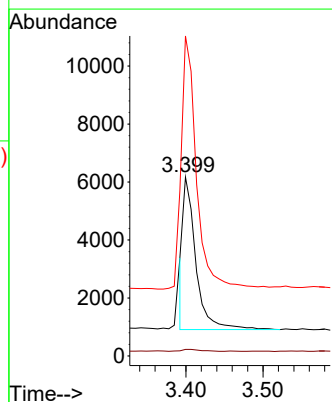
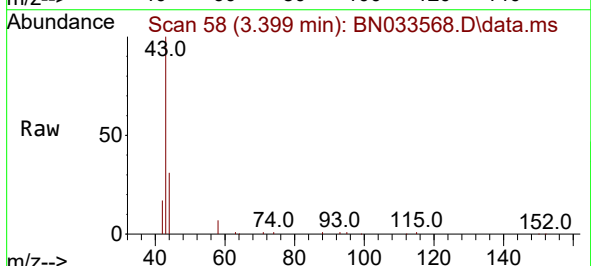


Tgt Ion:152 Resp: 7735
Ion Ratio Lower Upper
152 100
150 154.8 122.2 183.2
115 62.9 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.580 ng
RT: 3.399 min Scan# 58
Delta R.T. -0.080 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion: 42 Resp: 6003
Ion Ratio Lower Upper
42 100
74 1.6 100.2 150.2#
44 167.2 5.3 7.9#

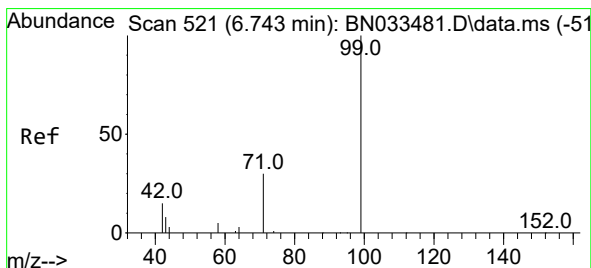
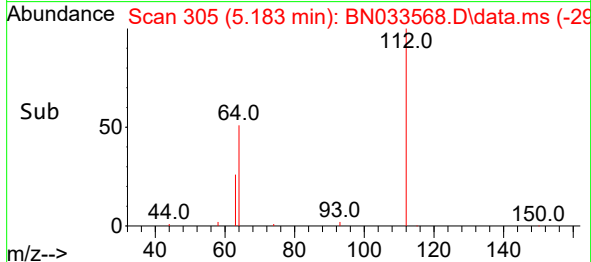
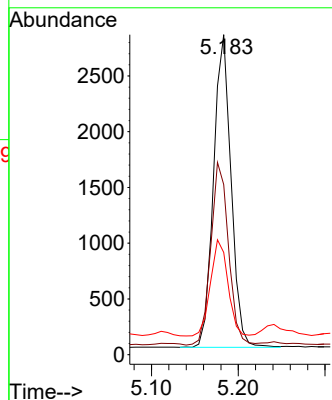
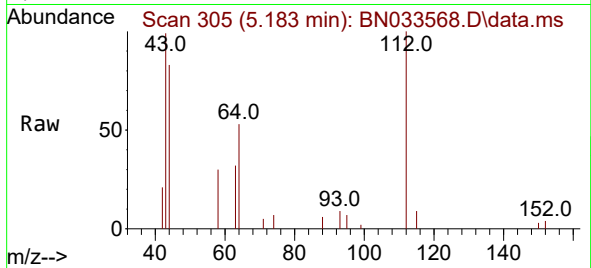




#4
2-Fluorophenol
Concen: 0.160 ng
RT: 5.183 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

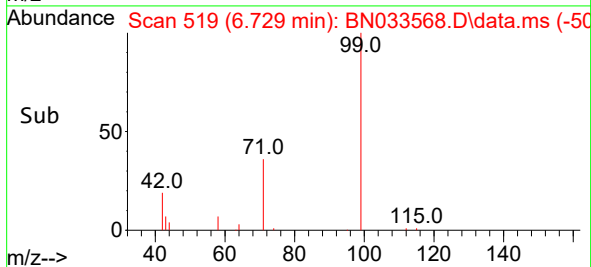
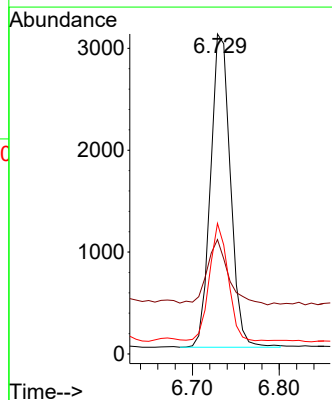
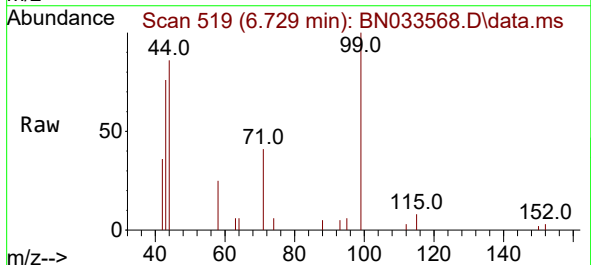
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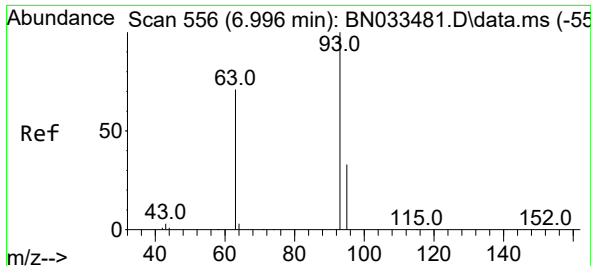
Tgt Ion:	112	Resp:	3935
Ion Ratio	Lower	Upper	
112	100		
64	59.2	47.1	70.7
63	30.6	24.9	37.3



#5
Phenol-d6
Concen: 0.167 ng
RT: 6.729 min Scan# 519
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion:	99	Resp:	4875
Ion Ratio	Lower	Upper	
99	100		
42	22.7	16.6	24.8
71	35.2	26.2	39.4

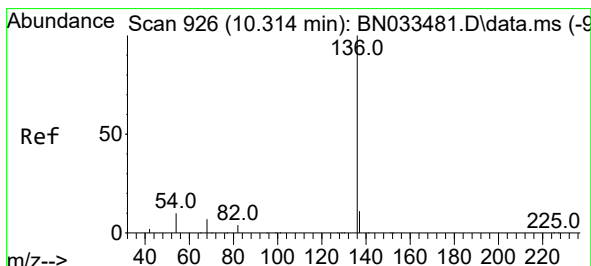
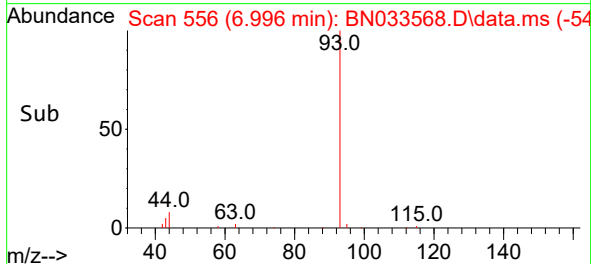
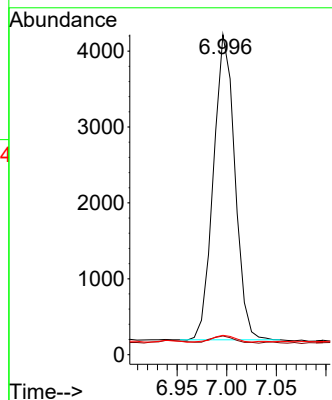
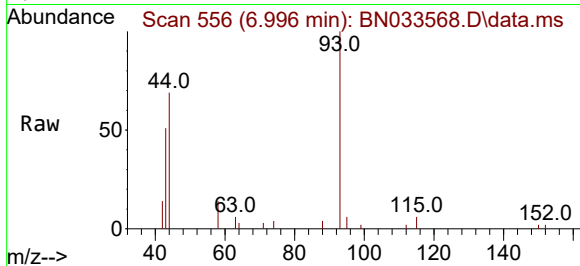




#6
bis(2-Chloroethyl)ether
Concen: 0.292 ng
RT: 6.996 min Scan# 556
Delta R.T. 0.014 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

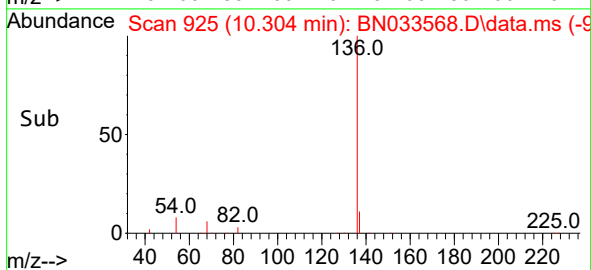
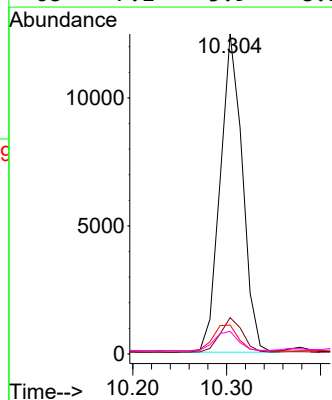
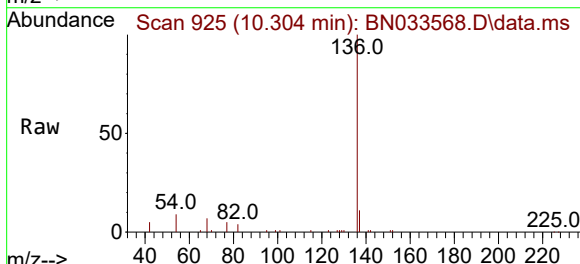
Instrument :
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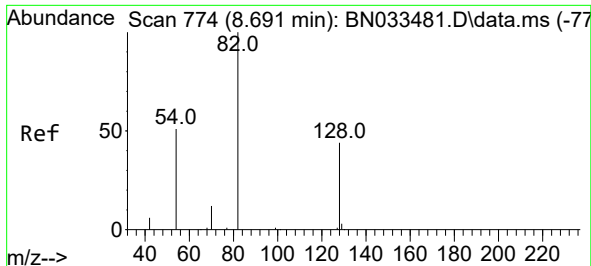
Tgt Ion: 93 Resp: 6051
Ion Ratio Lower Upper
93 100
63 2.5 63.0 94.4#
95 2.3 26.0 39.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion: 136 Resp: 20459
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 9.1 8.3 12.5
68 7.1 5.9 8.9

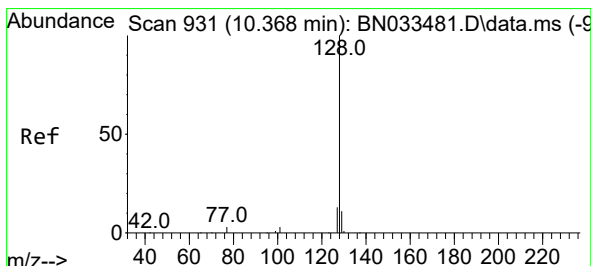
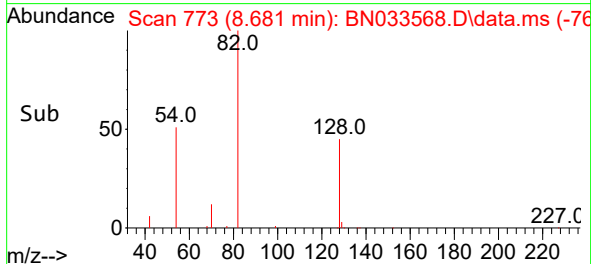
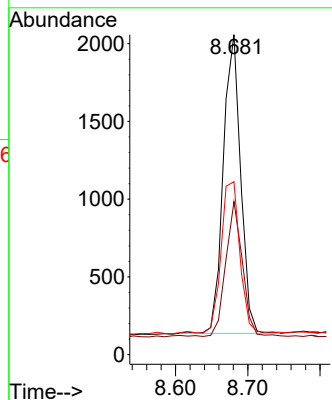
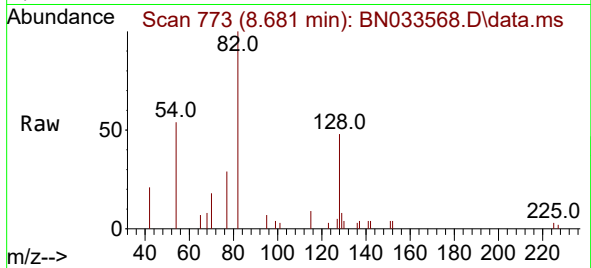




#8
Nitrobenzene-d5
Concen: 0.188 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

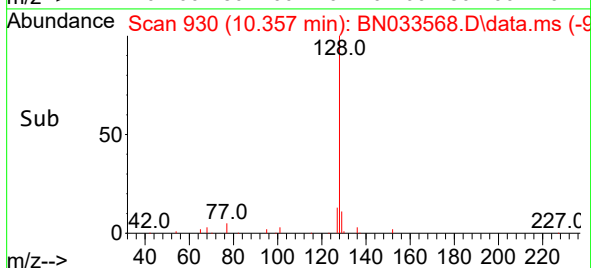
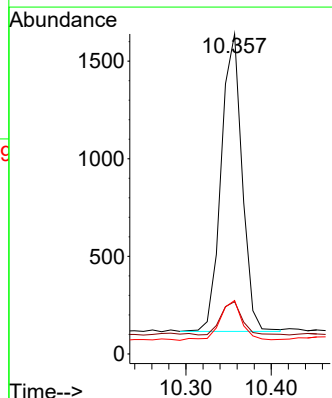
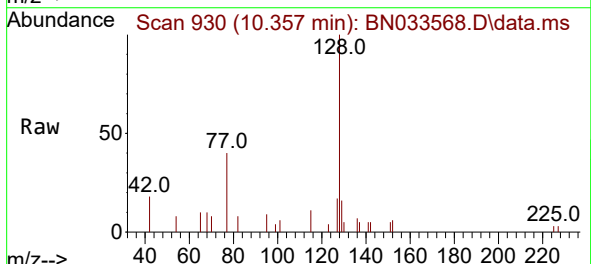
Instrument :
BNA_N
ClientSampleId :
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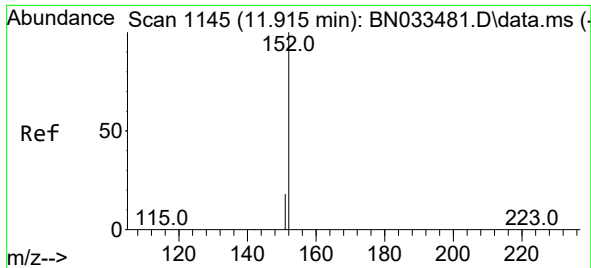
Tgt Ion: 82 Resp: 3190
Ion Ratio Lower Upper
82 100
128 47.9 36.0 54.0
54 54.0 42.0 63.0



#9
Naphthalene
Concen: 0.047 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion: 128 Resp: 2589
Ion Ratio Lower Upper
128 100
129 16.4 9.1 13.7#
127 16.7 10.7 16.1#

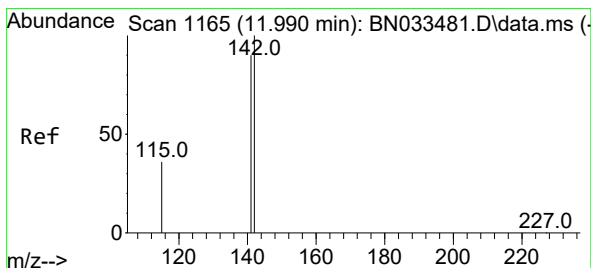
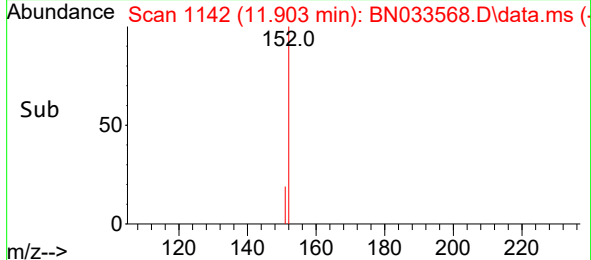
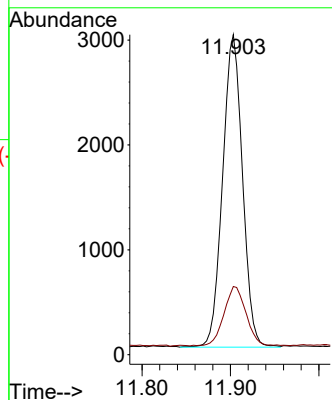
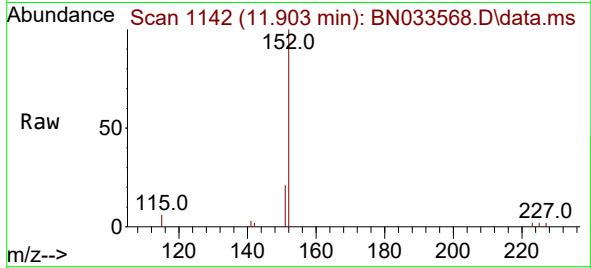




#11
2-Methylnaphthalene-d10
Concen: 0.159 ng
RT: 11.903 min Scan# 1145
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

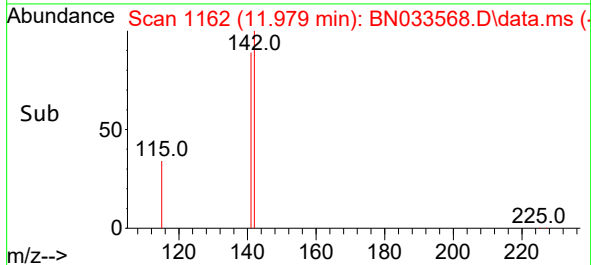
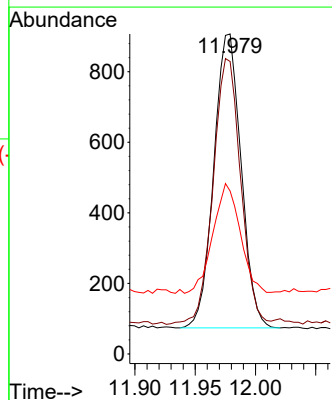
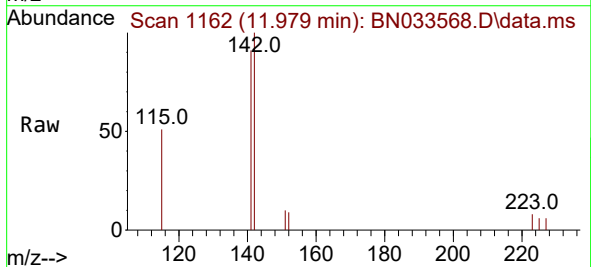
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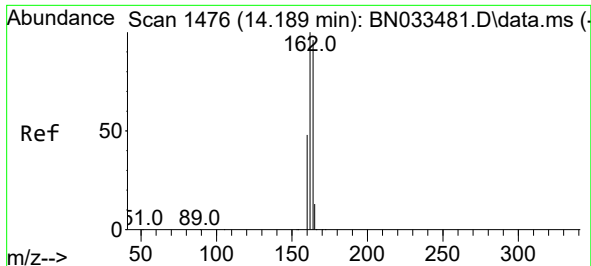
Tgt Ion:152 Resp: 4662
Ion Ratio Lower Upper
152 100
151 21.1 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.038 ng
RT: 11.979 min Scan# 1162
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion:142 Resp: 1314
Ion Ratio Lower Upper
142 100
141 91.4 71.7 107.5
115 50.9 29.4 44.2#

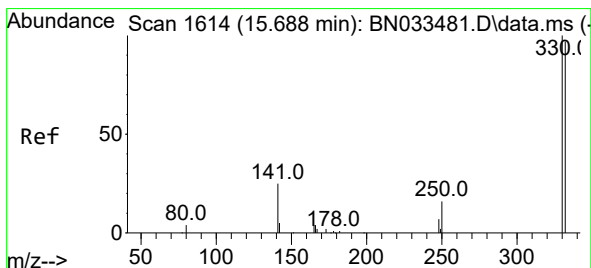
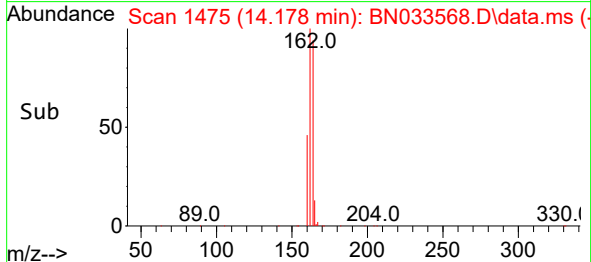
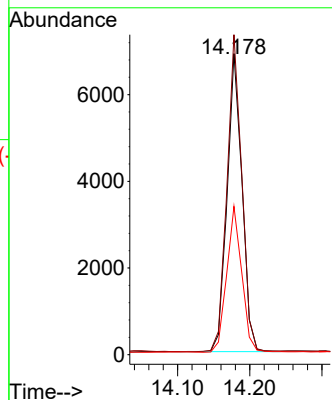
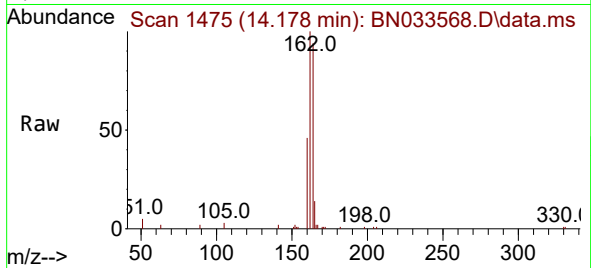




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

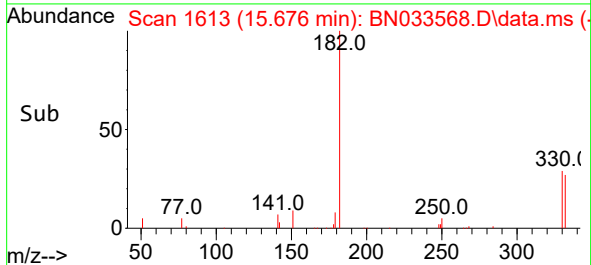
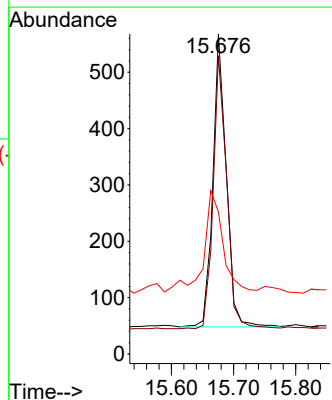
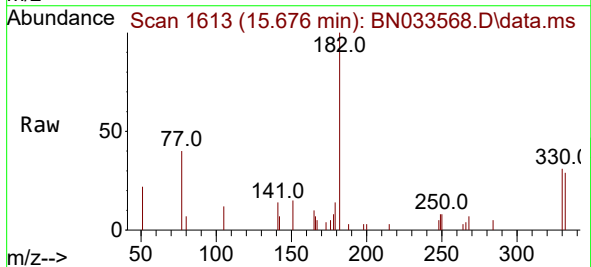
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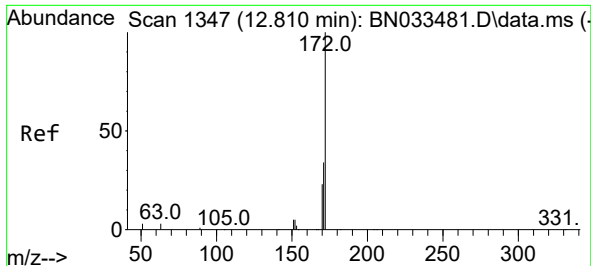
Tgt Ion:164 Resp: 9843
Ion Ratio Lower Upper
164 100
162 106.3 83.5 125.3
160 49.3 40.2 60.4



#14
2,4,6-Tribromophenol
Concen: 0.147 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion:330 Resp: 780
Ion Ratio Lower Upper
330 100
332 93.6 77.5 116.3
141 44.9 33.9 50.9

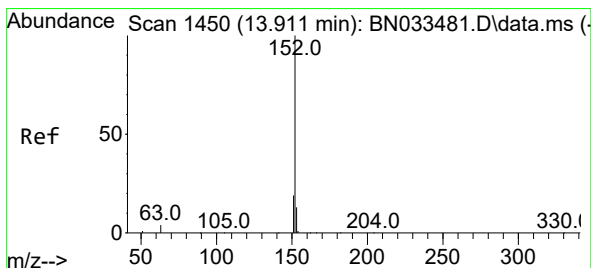
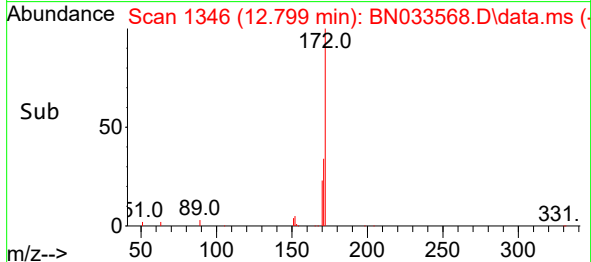
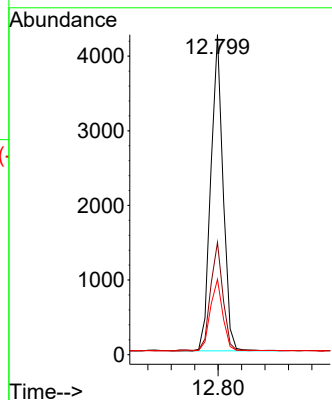
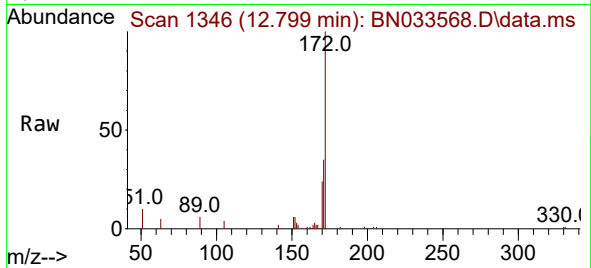




#15
2-Fluorobiphenyl
Concen: 0.153 ng
RT: 12.799 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

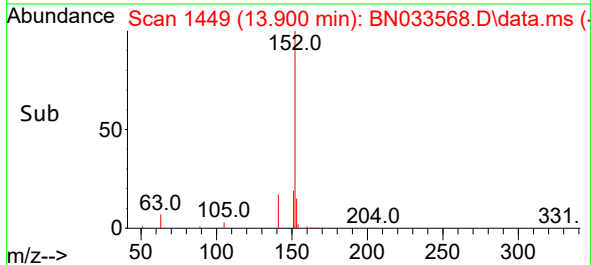
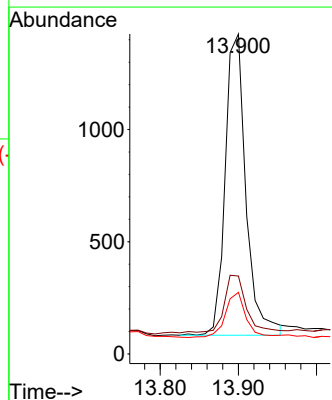
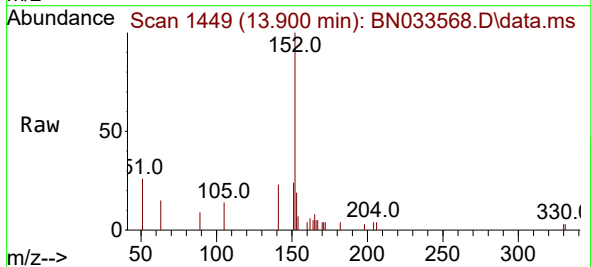
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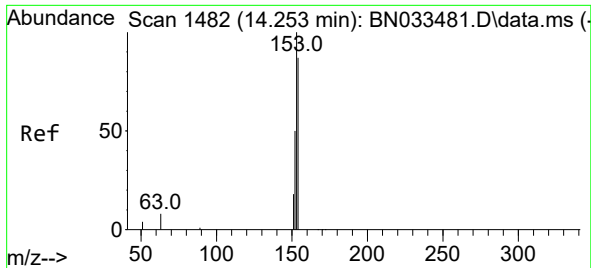
Tgt Ion:172 Resp: 6144
Ion Ratio Lower Upper
172 100
171 35.1 27.7 41.5
170 23.5 18.3 27.5



#16
Acenaphthylene
Concen: 0.057 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion:152 Resp: 2481
Ion Ratio Lower Upper
152 100
151 20.4 15.7 23.5
153 14.9 10.3 15.5

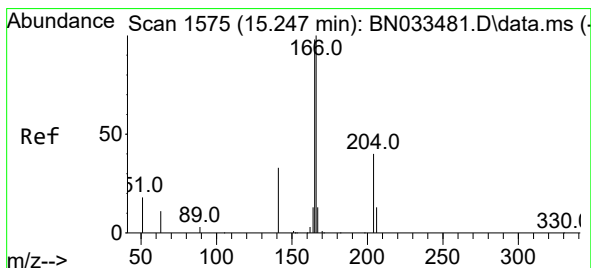
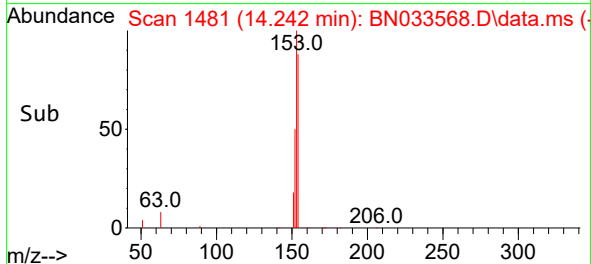
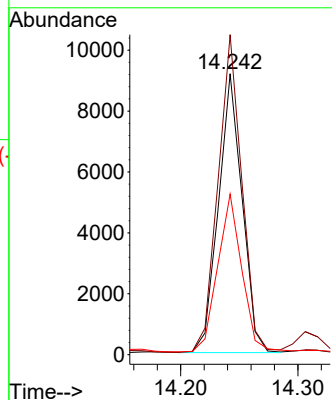
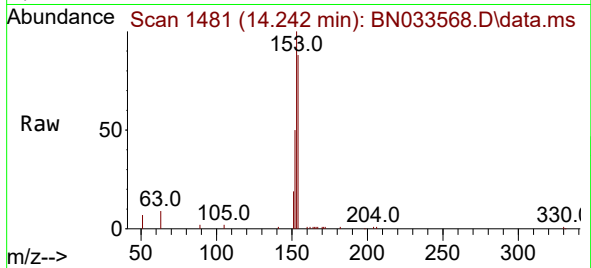




#17
Acenaphthene
Concen: 0.423 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

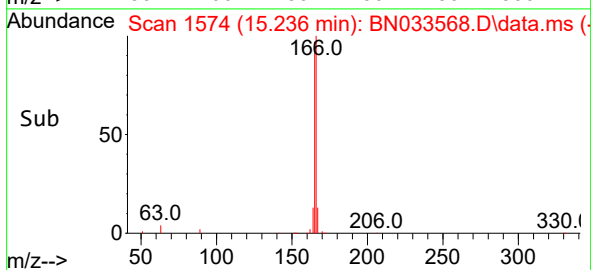
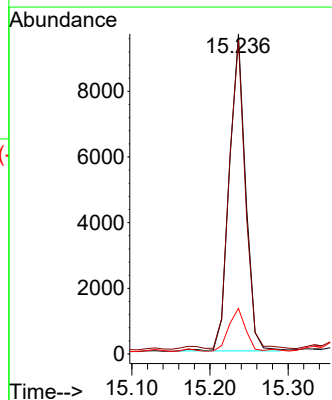
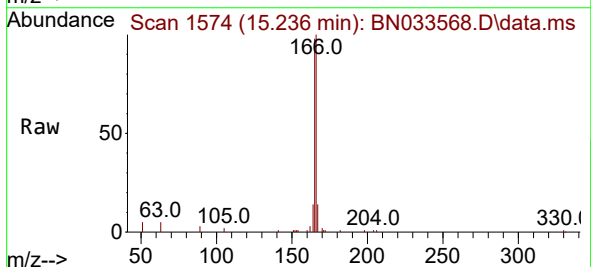
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924

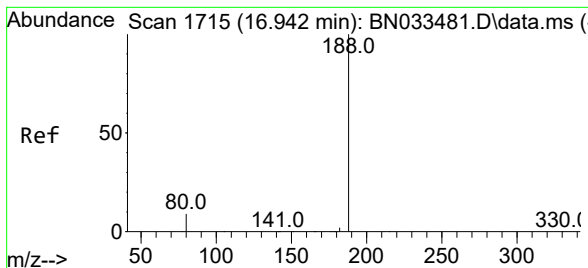
Tgt Ion:154 Resp: 12835
Ion Ratio Lower Upper
154 100
153 114.3 89.0 133.6
152 57.6 45.2 67.8



#18
Fluorene
Concen: 0.364 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion:166 Resp: 13939
Ion Ratio Lower Upper
166 100
165 95.8 78.2 117.4
167 14.4 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: BN033568.D

Acq: 23 Aug 2024 01:05

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924

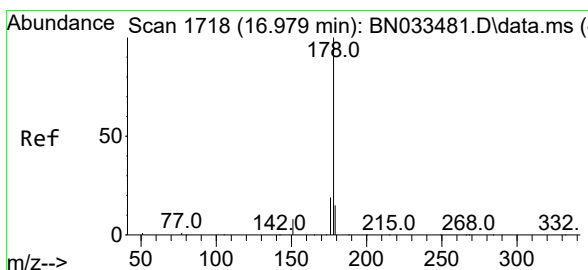
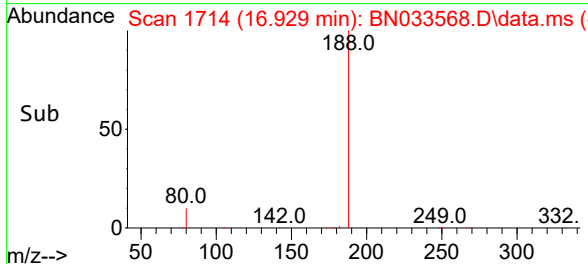
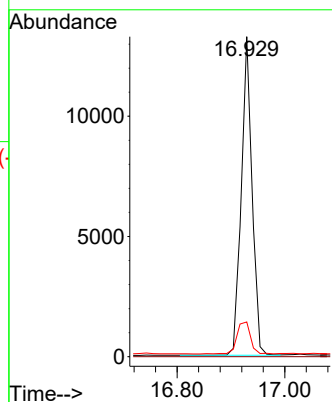
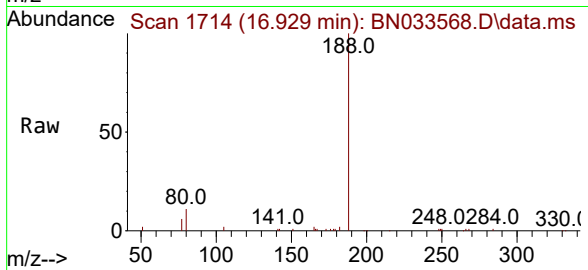
Tgt Ion:188 Resp: 18367

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.8 7.8 11.8



#25

Phenanthrene

Concen: 4.999 ng

RT: 16.967 min Scan# 1717

Delta R.T. -0.000 min

Lab File: BN033568.D

Acq: 23 Aug 2024 01:05

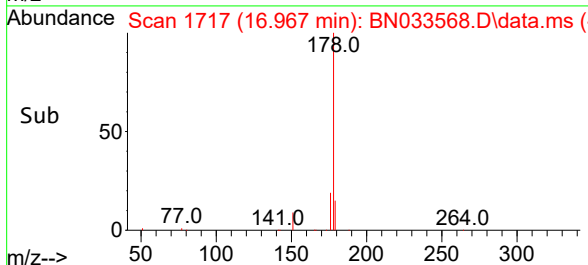
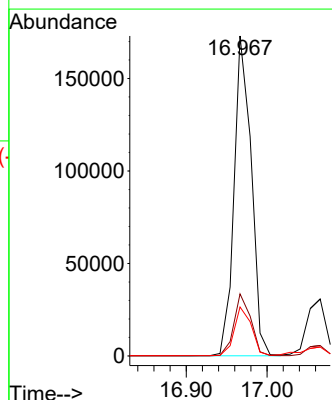
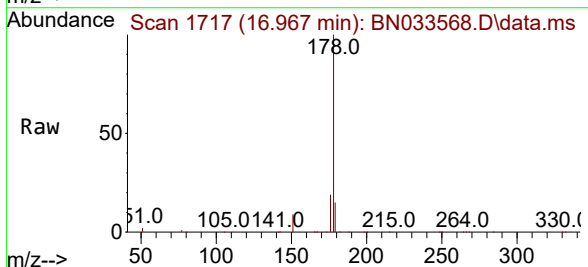
Tgt Ion:178 Resp: 255438

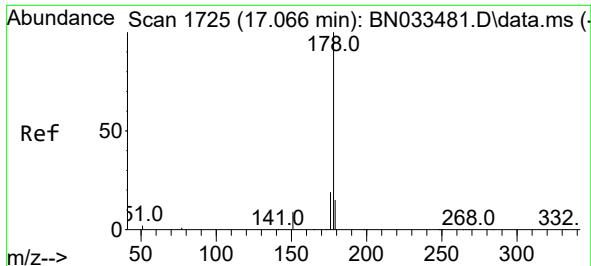
Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.3 12.3 18.5

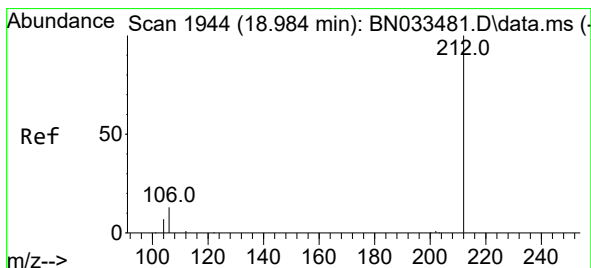
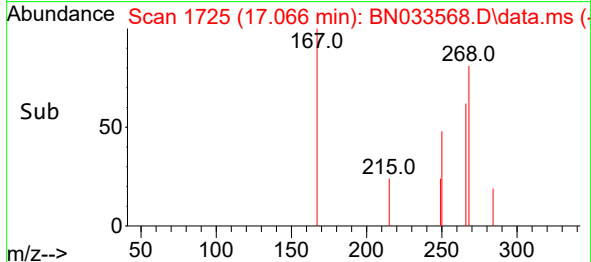
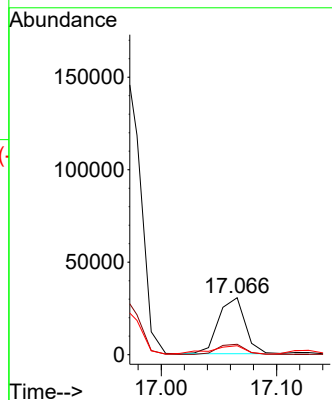
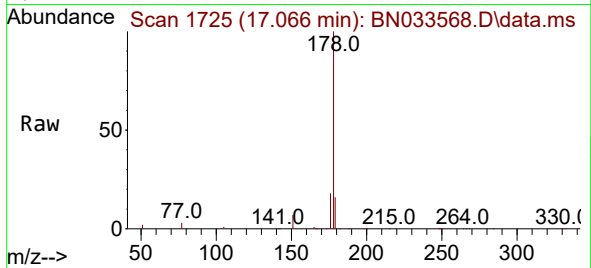




#26
 Anthracene
 Concen: 1.078 ng
 RT: 17.066 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN033568.D
 Acq: 23 Aug 2024 01:05

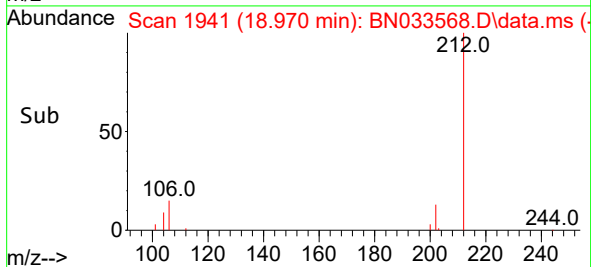
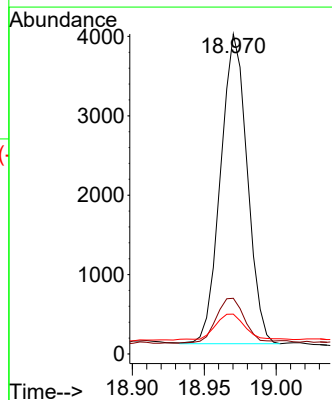
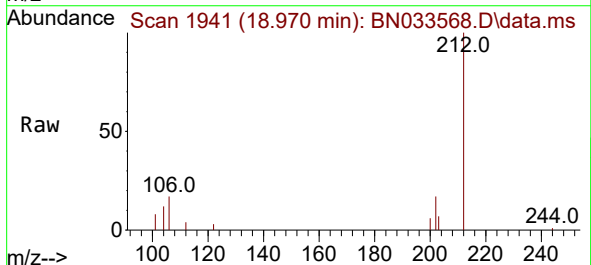
Instrument :
 BNA_N
 ClientSampleId :
 S-905-J-SO-0-0.5-081924

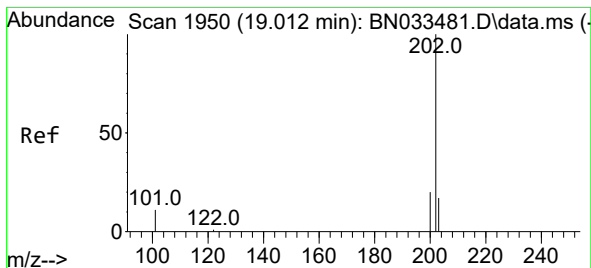
Tgt Ion:178 Resp: 48729
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.6
 179 19.5 12.4 18.6#



#27
 Fluoranthene-d10
 Concen: 0.114 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN033568.D
 Acq: 23 Aug 2024 01:05

Tgt Ion:212 Resp: 5035
 Ion Ratio Lower Upper
 212 100
 106 16.0 12.3 18.5
 104 10.8 7.0 10.4#





#28

Fluoranthene

Concen: 9.008 ng

RT: 19.003 min Scan# 1948

Delta R.T. -0.000 min

Lab File: BN033568.D

Acq: 23 Aug 2024 01:05

Instrument :

BNA_N

ClientSampleId :

S-905-J-SO-0-0.5-081924

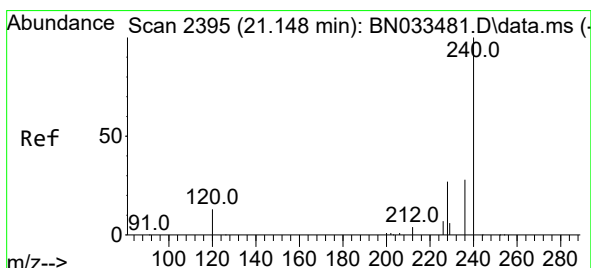
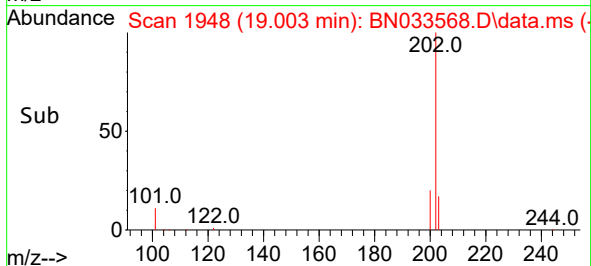
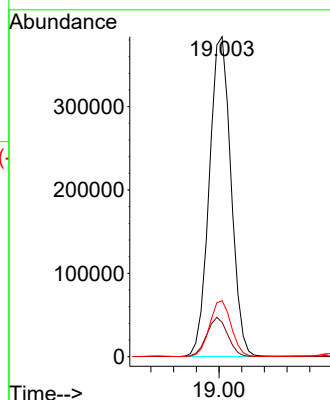
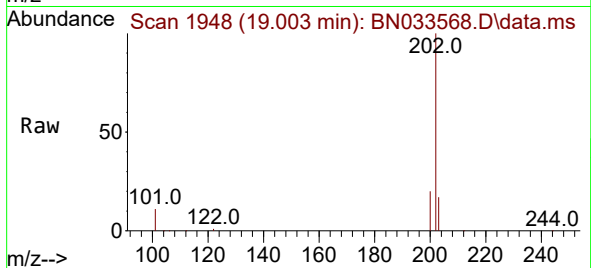
Tgt Ion:202 Resp: 508617

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. -0.000 min

Lab File: BN033568.D

Acq: 23 Aug 2024 01:05

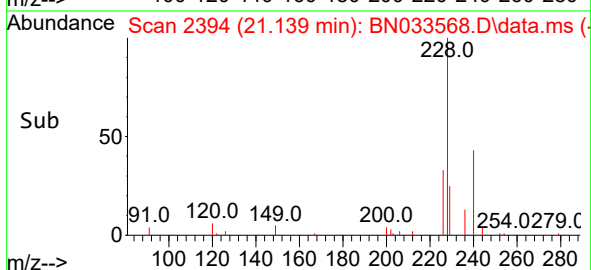
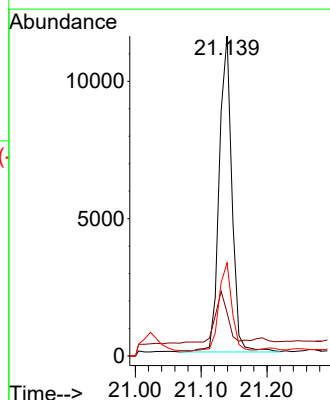
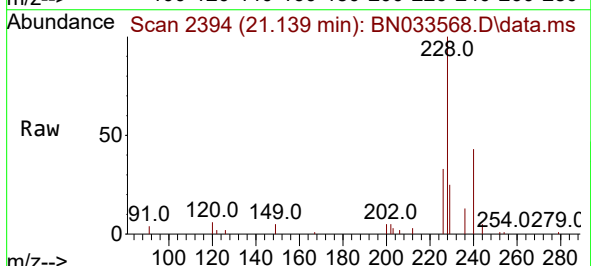
Tgt Ion:240 Resp: 15413

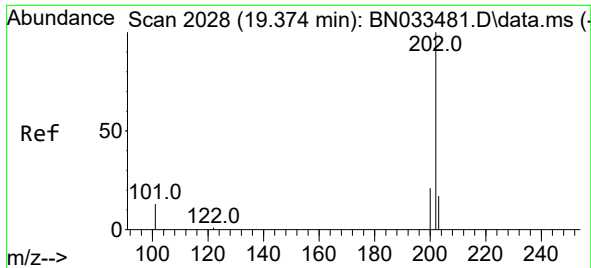
Ion Ratio Lower Upper

240 100

120 13.5 12.4 18.6

236 29.1 23.0 34.6

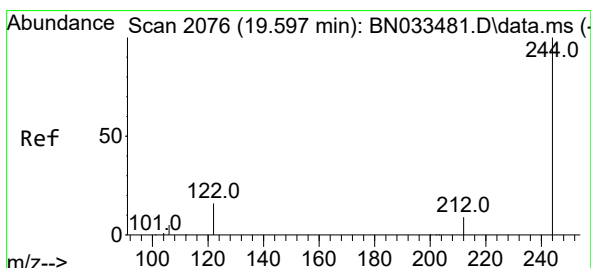
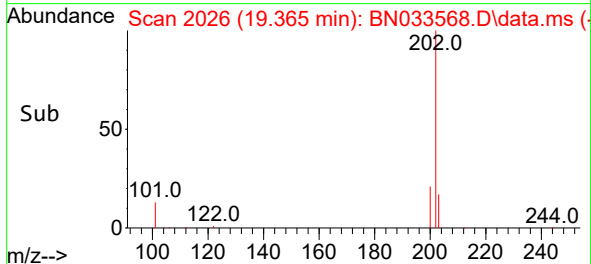
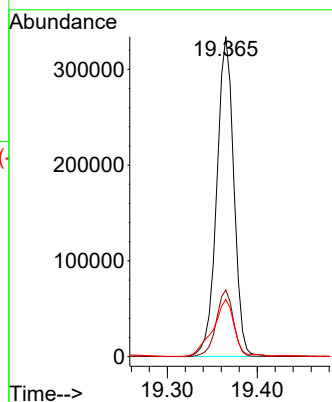
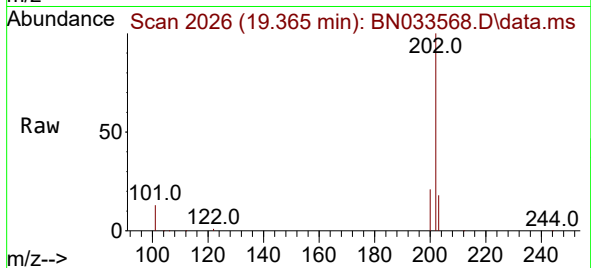




#30
Pyrene
Concen: 6.389 ng
RT: 19.365 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

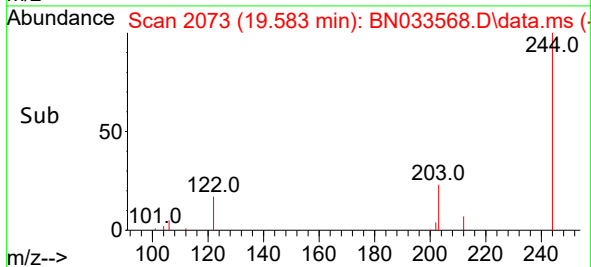
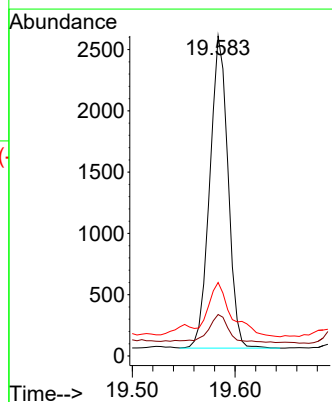
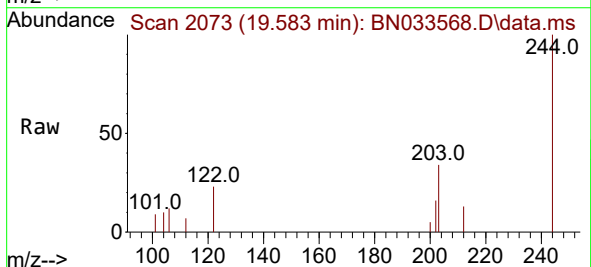
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924

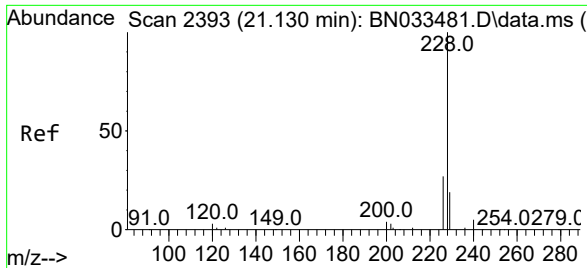
Tgt Ion:202 Resp: 439507
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 22.3 14.2 21.4#



#31
Terphenyl-d14
Concen: 0.089 ng
RT: 19.583 min Scan# 2073
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion:244 Resp: 3133
Ion Ratio Lower Upper
244 100
212 12.9 7.8 11.6#
122 23.0 13.3 19.9#

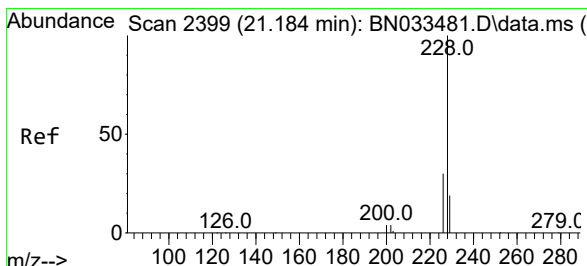
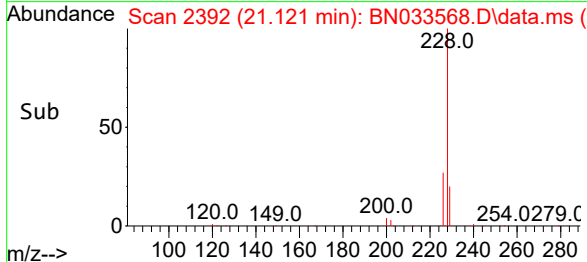
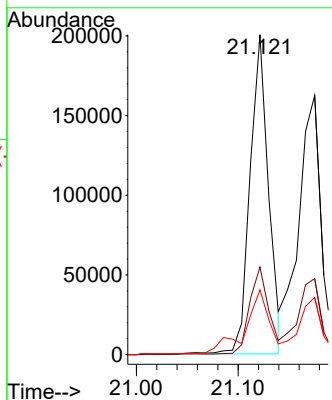
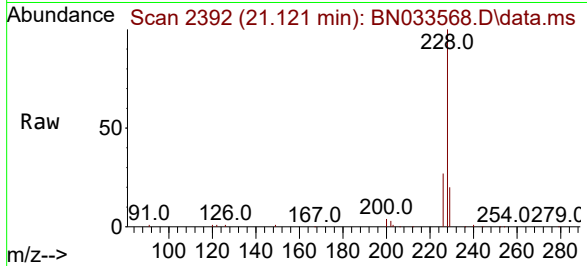




#32
Benzo(a)anthracene
Concen: 4.542 ng
RT: 21.121 min Scan# 21121
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

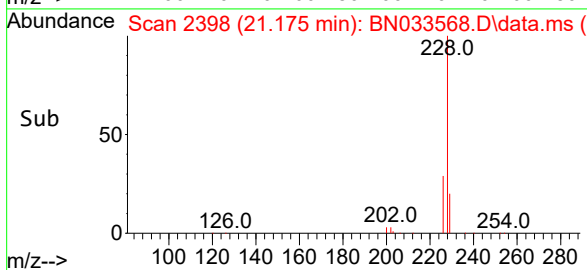
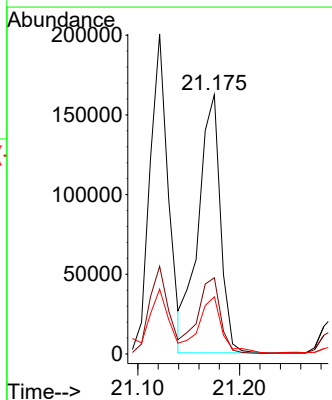
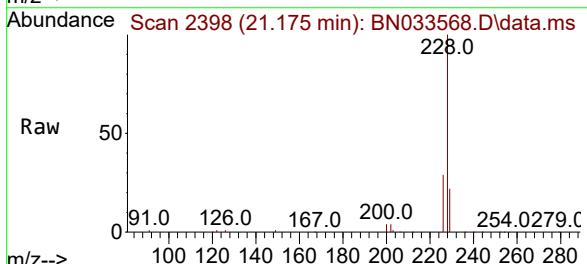
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924

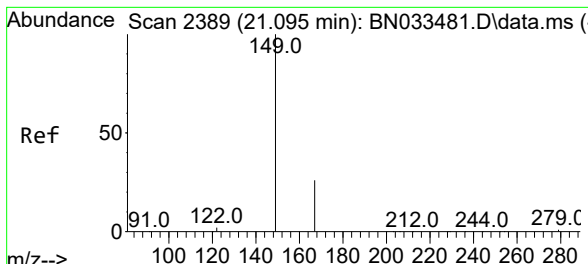
Tgt Ion:228 Resp: 253086
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.6
229 20.2 15.8 23.6



#33
Chrysene
Concen: 4.426 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion:228 Resp: 245143
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.8
229 22.0 15.6 23.4

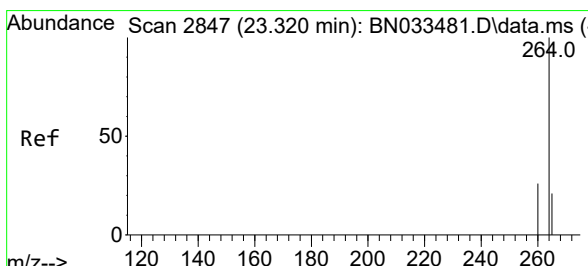
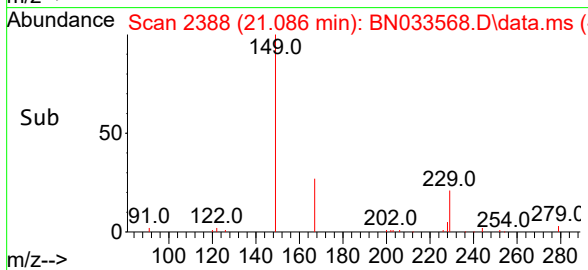
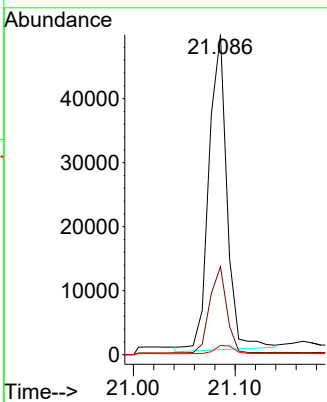
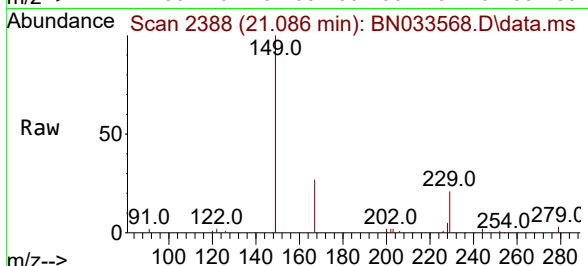




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 1.718 ng
 RT: 21.086 min Scan# 2108
 Delta R.T. -0.000 min
 Lab File: BN033568.D
 Acq: 23 Aug 2024 01:05

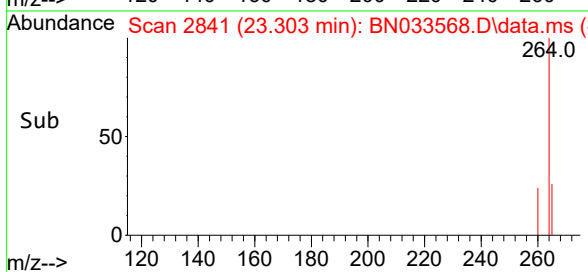
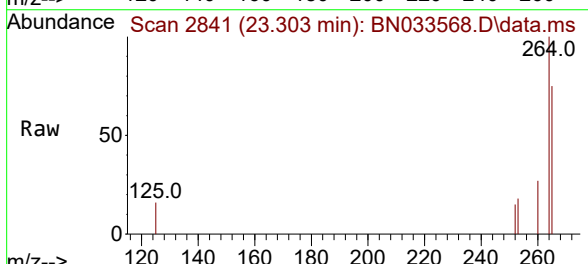
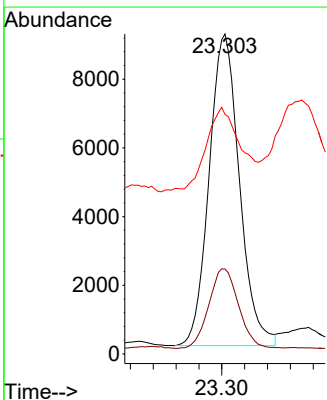
Instrument :
 BNA_N
 ClientSampleId :
 S-905-J-SO-0-0.5-081924

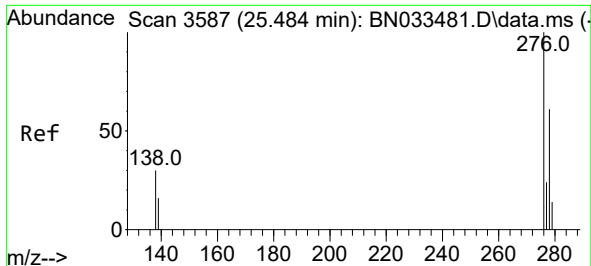
Tgt Ion:	149	Resp:	60608
Ion Ratio	Lower	Upper	
149	100		
167	28.3	21.5	32.3
279	3.1	2.2	3.2



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.303 min Scan# 2841
 Delta R.T. -0.000 min
 Lab File: BN033568.D
 Acq: 23 Aug 2024 01:05

Tgt Ion:	264	Resp:	16704
Ion Ratio	Lower	Upper	
264	100		
260	26.6	20.8	31.2
265	74.8	52.2	78.2

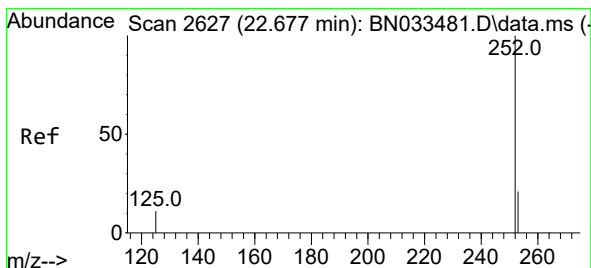
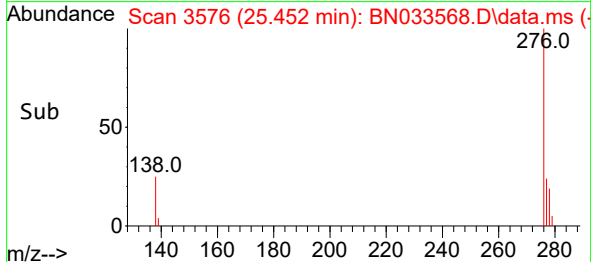
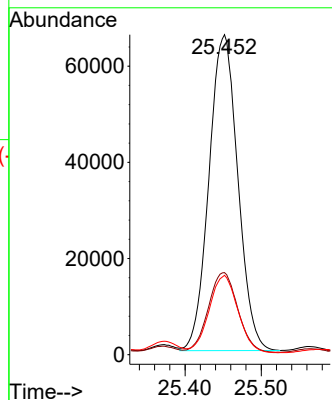
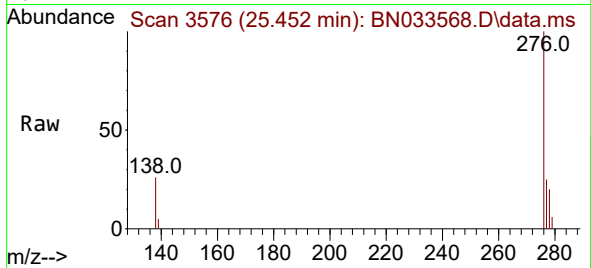




#36
Indeno(1,2,3-cd)pyrene
Concen: 2.489 ng
RT: 25.452 min Scan# 3576
Delta R.T. 0.003 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

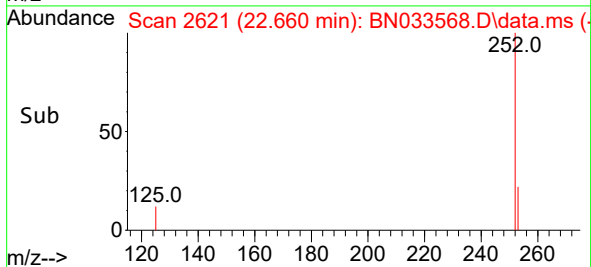
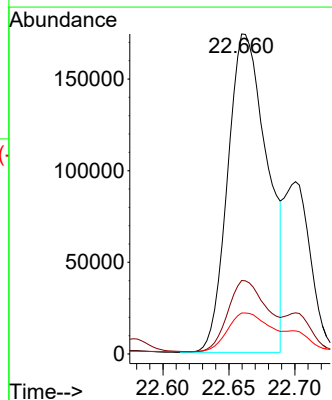
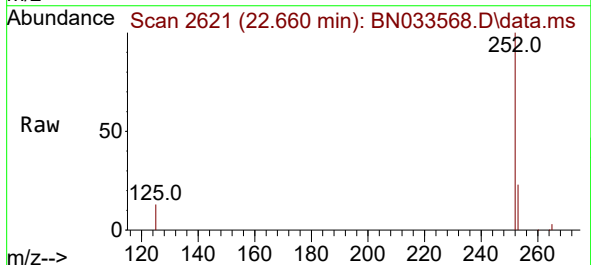
Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924

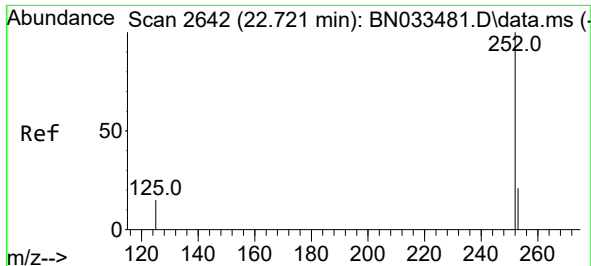
Tgt Ion:276 Resp: 172583
Ion Ratio Lower Upper
276 100
138 25.7 24.4 36.6
277 24.5 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 5.810 ng
RT: 22.660 min Scan# 2621
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

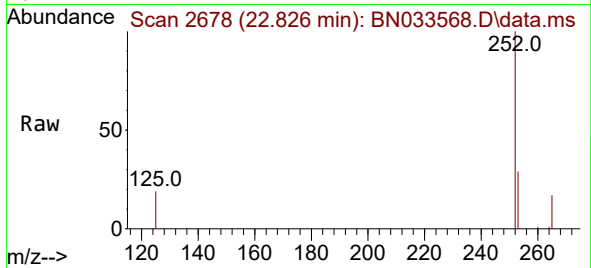
Tgt Ion:252 Resp: 362431
Ion Ratio Lower Upper
252 100
253 23.0 19.8 29.8
125 12.8 13.9 20.9#



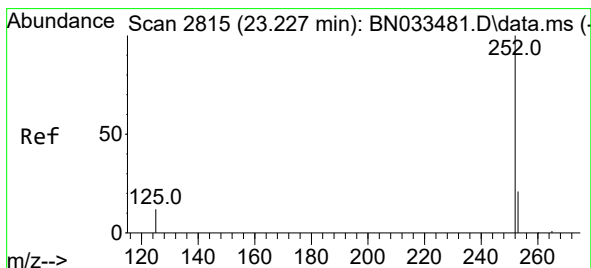
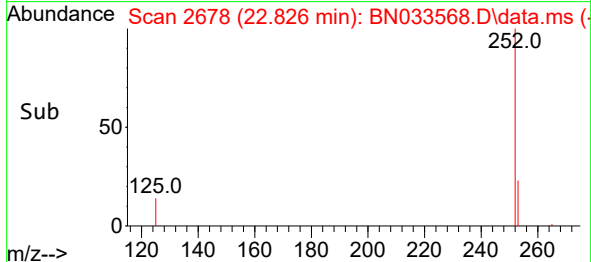
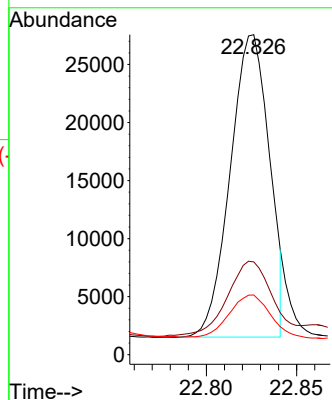


#38
Benzo(k)fluoranthene
Concen: 0.637 ng
RT: 22.826 min Scan# 21
Delta R.T. 0.123 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924

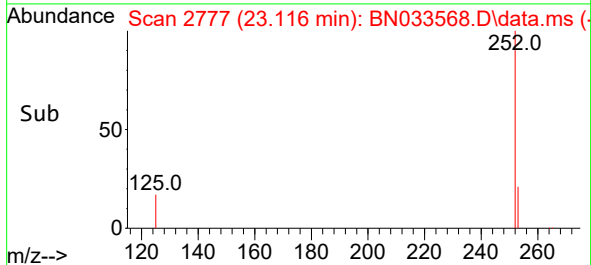
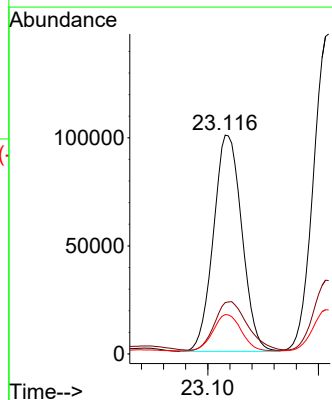
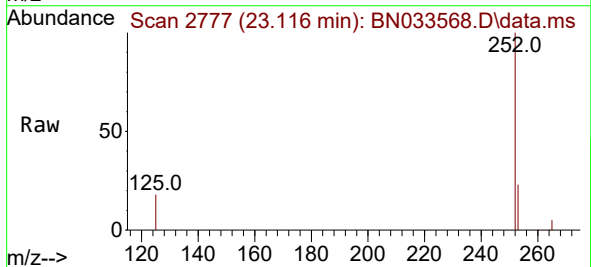


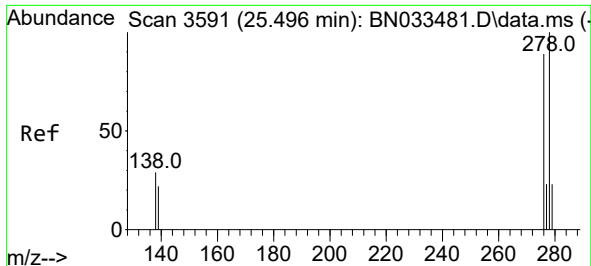
Tgt Ion:252 Resp: 39124
Ion Ratio Lower Upper
252 100
253 29.0 19.8 29.8
125 18.7 15.8 23.8



#39
Benzo(a)pyrene
Concen: 3.461 ng
RT: 23.116 min Scan# 2777
Delta R.T. -0.094 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion:252 Resp: 178657
Ion Ratio Lower Upper
252 100
253 23.5 21.5 32.3
125 18.0 17.0 25.4

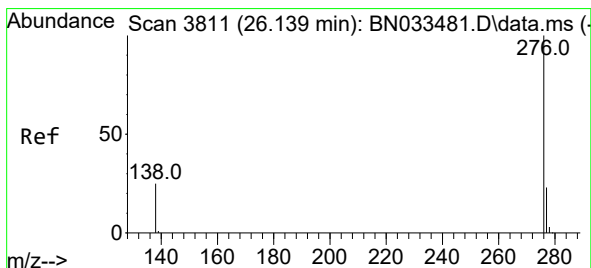
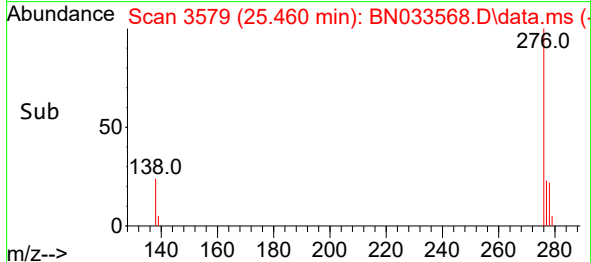
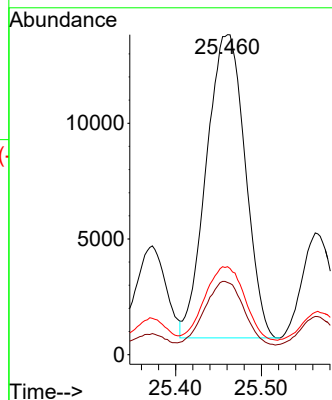
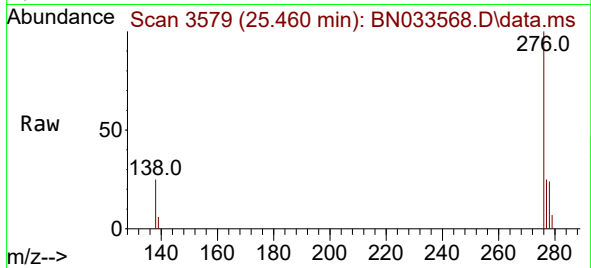




#40
Dibenzo(a,h)anthracene
Concen: 0.741 ng
RT: 25.460 min Scan# 31
Delta R.T. -0.009 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Instrument :
BNA_N
ClientSampleId :
S-905-J-SO-0-0.5-081924

Tgt Ion:278 Resp: 41081
Ion Ratio Lower Upper
278 100
139 22.5 19.1 28.7
279 27.5 21.0 31.4



#41
Benzo(g,h,i)perylene
Concen: 2.863 ng
RT: 26.104 min Scan# 3799
Delta R.T. -0.000 min
Lab File: BN033568.D
Acq: 23 Aug 2024 01:05

Tgt Ion:276 Resp: 169795
Ion Ratio Lower Upper
276 100
277 24.0 19.7 29.5
138 26.1 21.8 32.6

