

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
 Data File : BN033539.D
 Acq On : 21 Aug 2024 12:29
 Operator : MA/JU
 Sample : P3643-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 918-J-SD-0-0.5-081524

Quant Time: Aug 21 12:57:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 23:32:18 2024
 Response via : Initial Calibration

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

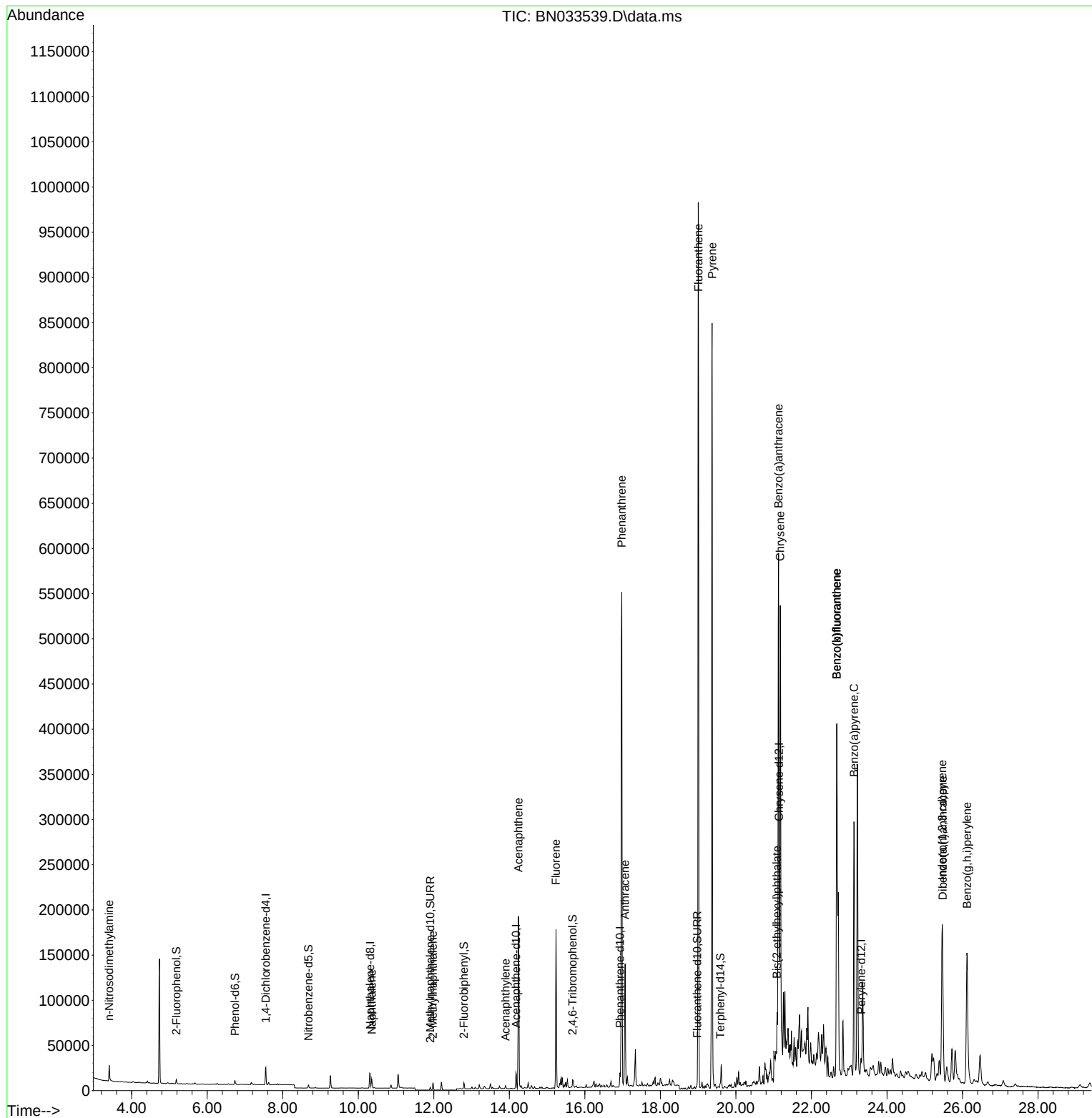
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	8918	0.400	ng	0.00
7) Naphthalene-d8	10.314	136	22419	0.400	ng	# 0.00
13) Acenaphthene-d10	14.178	164	10205	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	20340	0.400	ng	#-0.01
29) Chrysene-d12	21.139	240	19172	0.400	ng	# 0.00
35) Perylene-d12	23.314	264	22321	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	3352	0.118	ng	0.00
5) Phenol-d6	6.736	99	3857	0.114	ng	0.00
8) Nitrobenzene-d5	8.681	82	2415	0.130	ng	-0.01
11) 2-Methylnaphthalene-d10	11.907	152	3944	0.123	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	550	0.100	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	5353	0.128	ng	-0.01
27) Fluoranthene-d10	18.975	212	5884	0.120	ng	0.00
31) Terphenyl-d14	19.588	244	3667	0.084	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.407	42	2394	0.201	ng	# 1
9) Naphthalene	10.357	128	12162	0.203	ng	99
12) 2-Methylnaphthalene	11.979	142	5619	0.148	ng	99
16) Acenaphthylene	13.900	152	2560	0.057	ng	# 90
17) Acenaphthene	14.242	154	92202	2.929	ng	98
18) Fluorene	15.236	166	105305	2.654	ng	99
25) Phenanthrene	16.979	178	619126	10.941	ng	100
26) Anthracene	17.066	178	137980	2.756	ng	98
28) Fluoranthene	19.003	202	876171	14.012	ng	100
30) Pyrene	19.370	202	759194	8.872	ng	# 94
32) Benzo(a)anthracene	21.130	228	484414	6.989	ng	96
33) Chrysene	21.175	228	478108	6.939	ng	95
34) Bis(2-ethylhexyl)phtha...	21.086	149	23875	0.544	ng	# 53
36) Indeno(1,2,3-cd)pyrene	25.463	276	263310	2.841	ng	96
37) Benzo(b)fluoranthene	22.671	252	589092	7.067	ng	# 94
38) Benzo(k)fluoranthene	22.671	252	589092	7.180	ng	# 92
39) Benzo(a)pyrene	23.127	252	341526	4.952	ng	96
40) Dibenzo(a,h)anthracene	25.475	278	68489	0.924	ng	# 89
41) Benzo(g,h,i)perylene	26.118	276	275680	3.479	ng	100

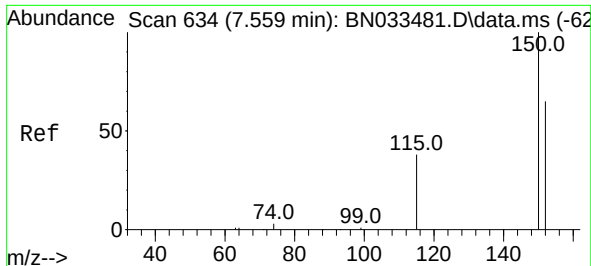
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
Data File : BN033539.D
Acq On : 21 Aug 2024 12:29
Operator : MA/JU
Sample : P3643-07
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524

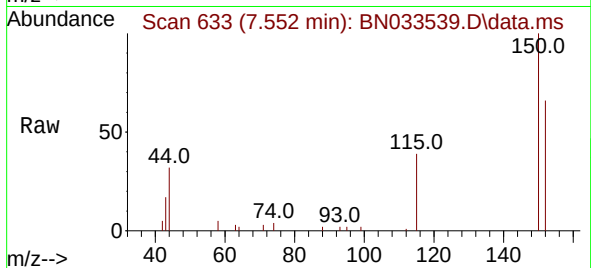
Quant Time: Aug 21 12:57:34 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:32:18 2024
Response via : Initial Calibration



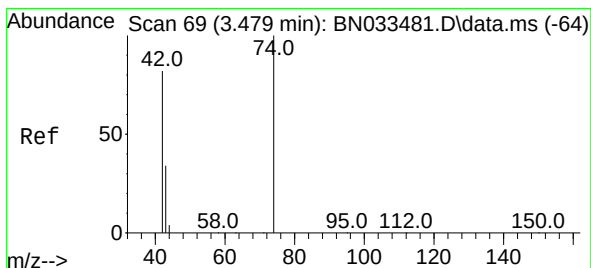
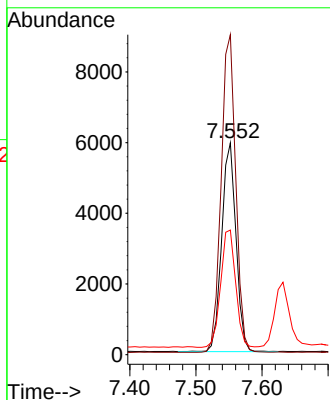
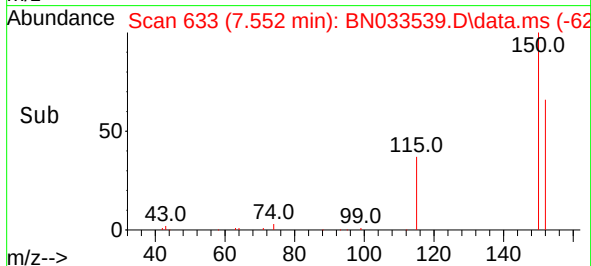


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.552 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN033539.D
Acq: 21 Aug 2024 12:29

Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524

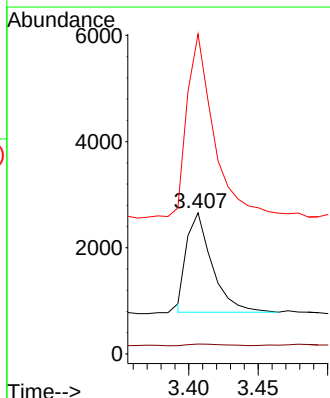
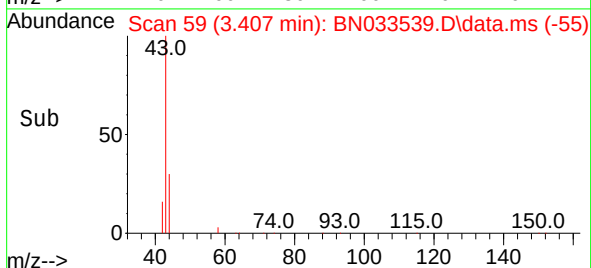
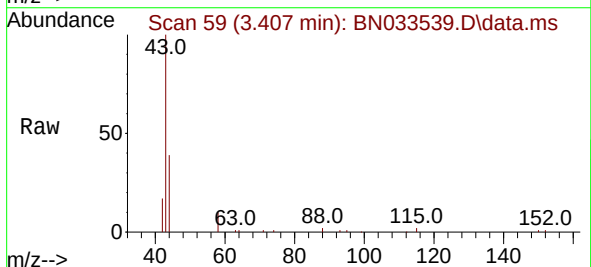


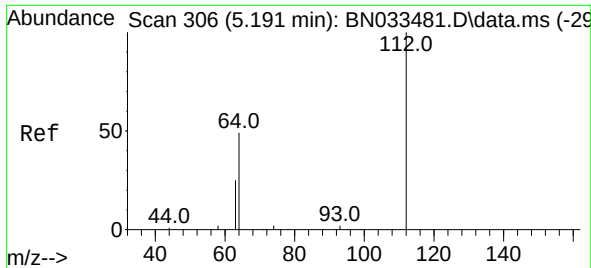
Tgt Ion:152 Resp: 8918
Ion Ratio Lower Upper
152 100
150 151.1 122.2 183.2
115 58.8 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.201 ng
RT: 3.407 min Scan# 59
Delta R.T. -0.072 min
Lab File: BN033539.D
Acq: 21 Aug 2024 12:29

Tgt Ion: 42 Resp: 2394
Ion Ratio Lower Upper
42 100
74 2.1 100.2 150.2#
44 192.4 5.3 7.9#





#4

2-Fluorophenol

Concen: 0.118 ng

RT: 5.183 min Scan# 305

Delta R.T. -0.007 min

Lab File: BN033539.D

Acq: 21 Aug 2024 12:29

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524

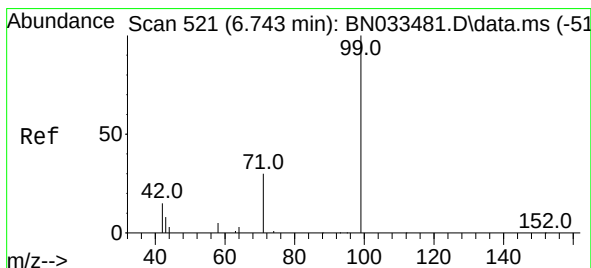
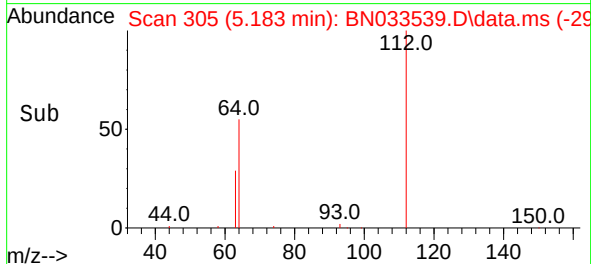
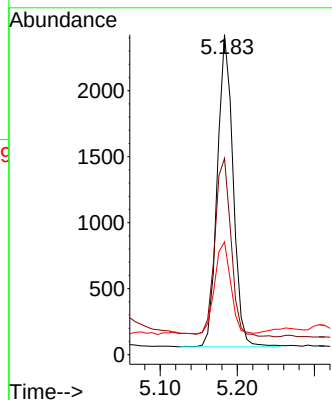
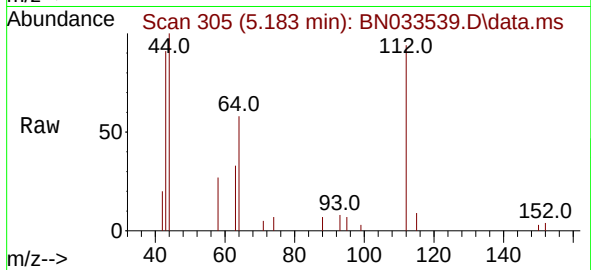
Tgt Ion:112 Resp: 3352

Ion Ratio Lower Upper

112 100

64 58.7 47.1 70.7

63 29.8 24.9 37.3



#5

Phenol-d6

Concen: 0.114 ng

RT: 6.736 min Scan# 520

Delta R.T. -0.007 min

Lab File: BN033539.D

Acq: 21 Aug 2024 12:29

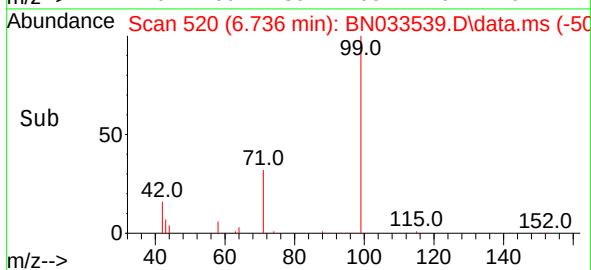
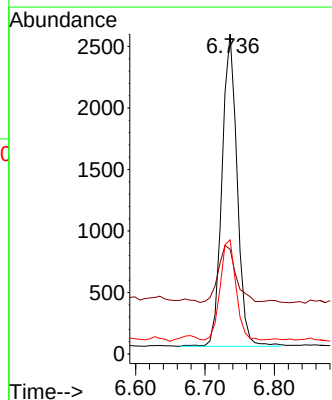
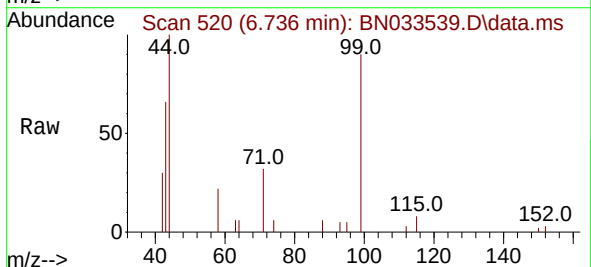
Tgt Ion: 99 Resp: 3857

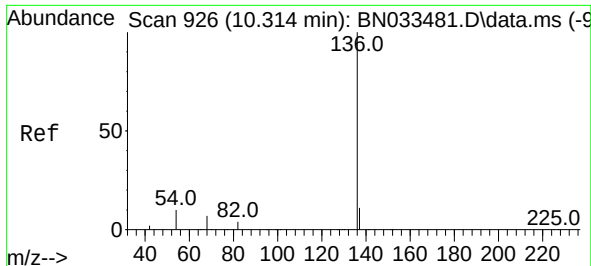
Ion Ratio Lower Upper

99 100

42 21.1 16.6 24.8

71 33.4 26.2 39.4

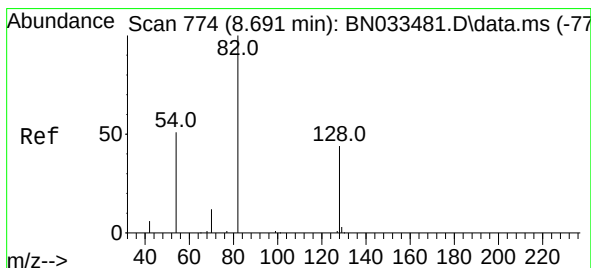
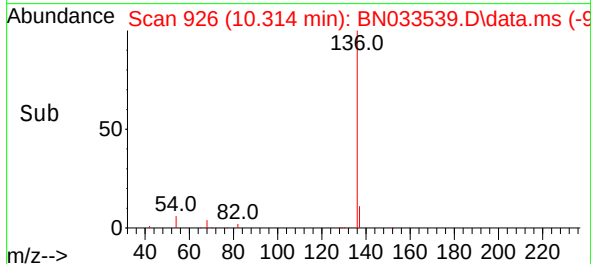
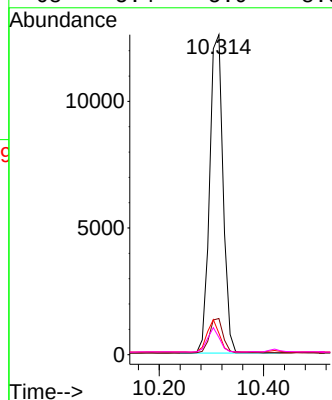
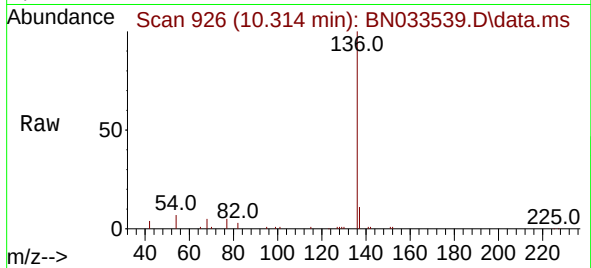




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN033539.D
Acq: 21 Aug 2024 12:29

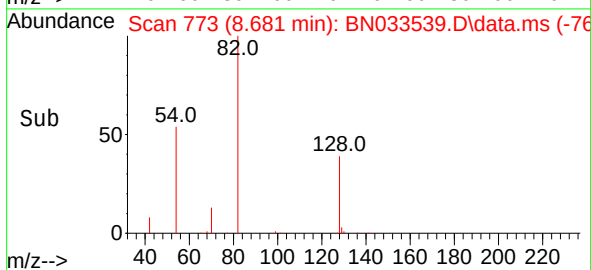
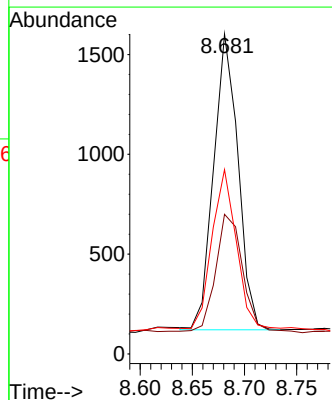
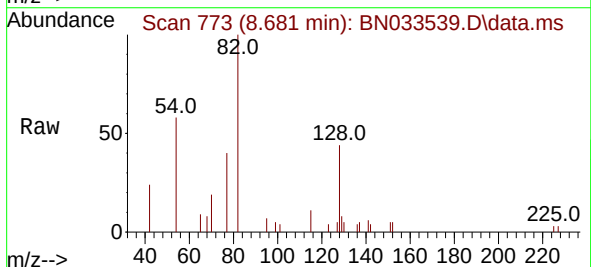
Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524

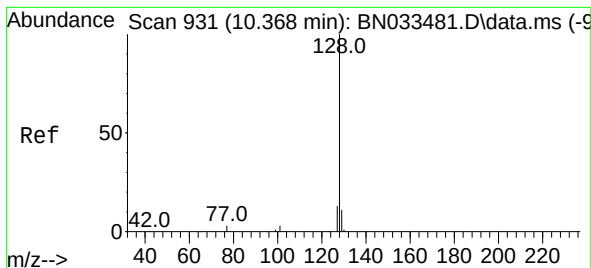
Tgt Ion:	136	Resp:	22419
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.6
54	6.7	8.3	12.5#
68	5.4	5.9	8.9#



#8
Nitrobenzene-d5
Concen: 0.130 ng
RT: 8.681 min Scan# 773
Delta R.T. -0.011 min
Lab File: BN033539.D
Acq: 21 Aug 2024 12:29

Tgt Ion:	82	Resp:	2415
Ion Ratio	Lower	Upper	
82	100		
128	43.7	36.0	54.0
54	57.6	42.0	63.0





#9

Naphthalene

Concen: 0.203 ng

RT: 10.357 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN033539.D

Acq: 21 Aug 2024 12:29

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524

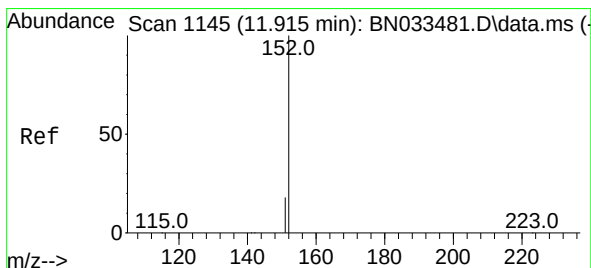
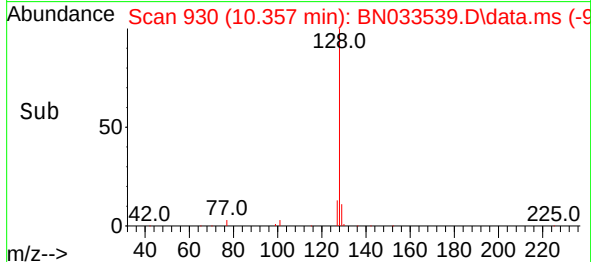
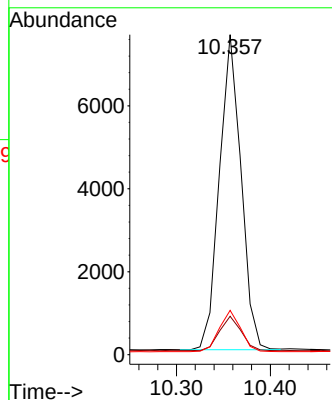
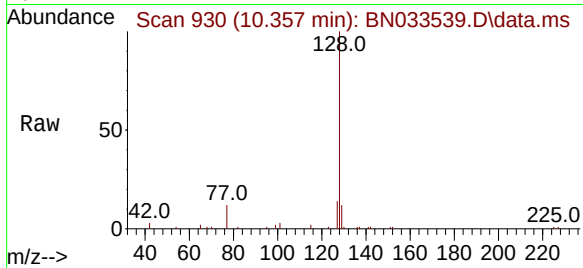
Tgt Ion:128 Resp: 12162

Ion Ratio Lower Upper

128 100

129 12.0 9.1 13.7

127 13.9 10.7 16.1



#11

2-Methylnaphthalene-d10

Concen: 0.123 ng

RT: 11.907 min Scan# 1143

Delta R.T. -0.008 min

Lab File: BN033539.D

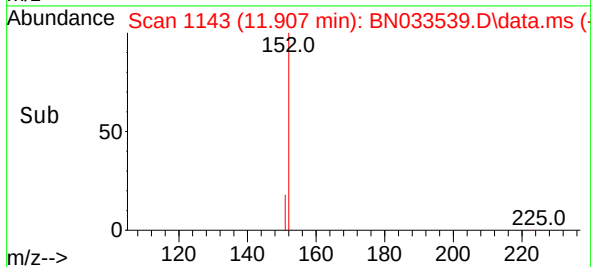
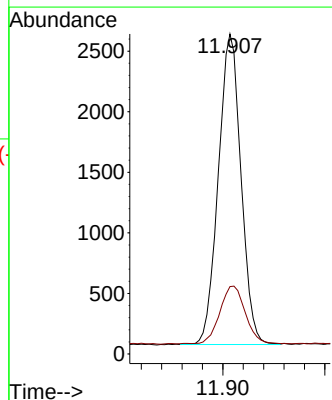
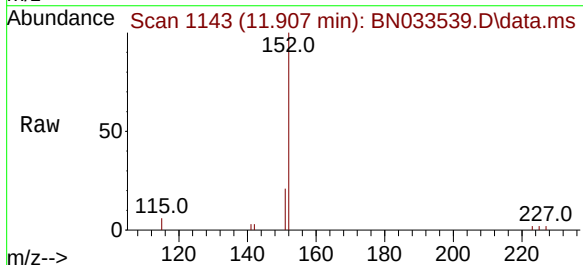
Acq: 21 Aug 2024 12:29

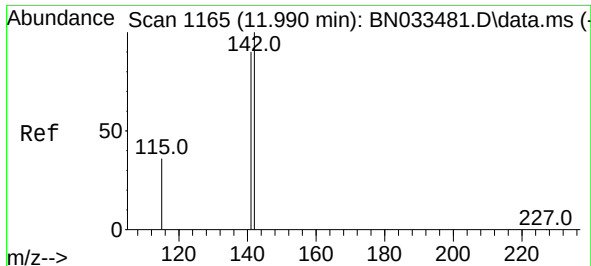
Tgt Ion:152 Resp: 3944

Ion Ratio Lower Upper

152 100

151 21.0 16.6 25.0





#12

2-Methylnaphthalene

Concen: 0.148 ng

RT: 11.979 min Scan# 1162

Delta R.T. -0.011 min

Lab File: BN033539.D

Acq: 21 Aug 2024 12:29

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524

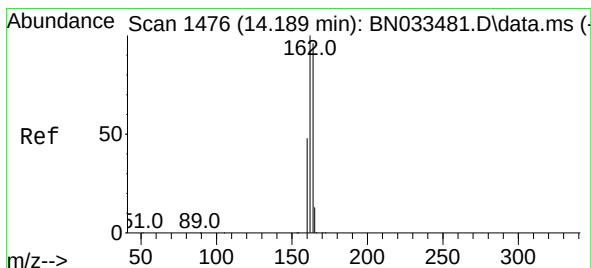
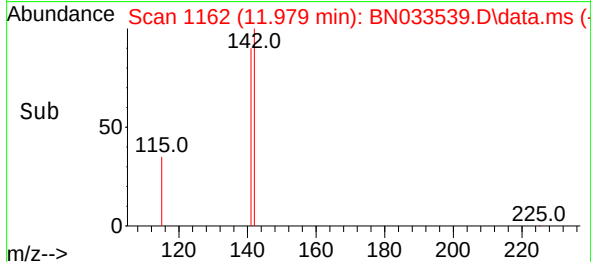
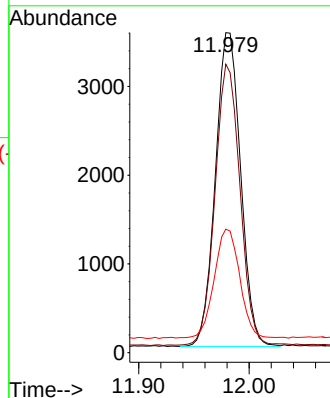
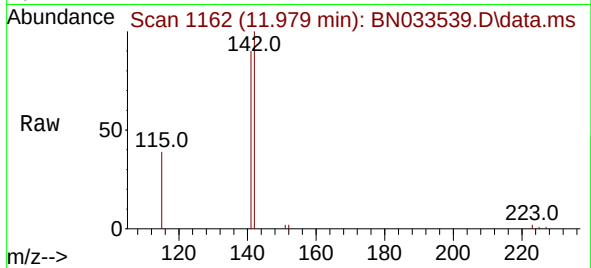
Tgt Ion:142 Resp: 5619

Ion Ratio Lower Upper

142 100

141 90.1 71.7 107.5

115 38.6 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: BN033539.D

Acq: 21 Aug 2024 12:29

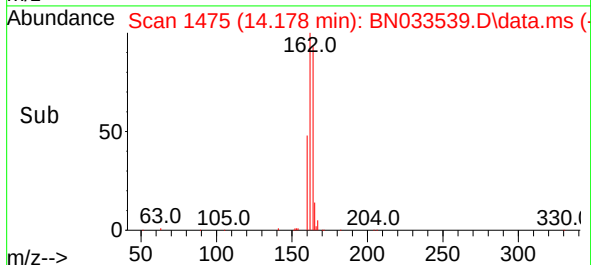
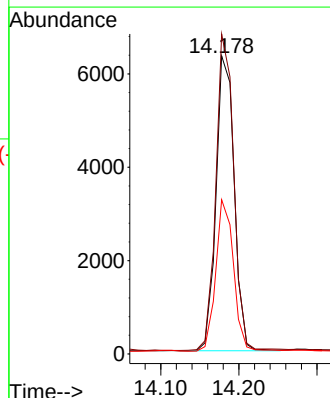
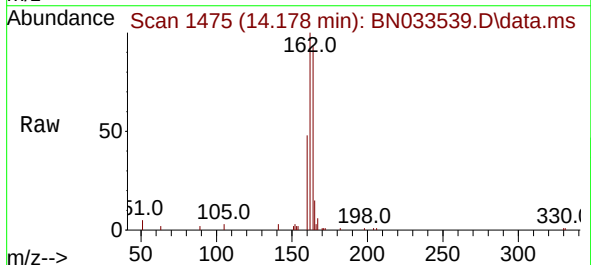
Tgt Ion:164 Resp: 10205

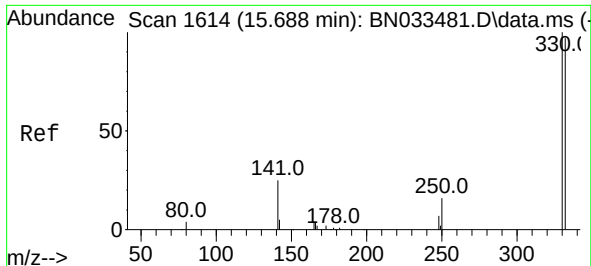
Ion Ratio Lower Upper

164 100

162 107.3 83.5 125.3

160 51.7 40.2 60.4





#14

2,4,6-Tribromophenol

Concen: 0.100 ng

RT: 15.676 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN033539.D

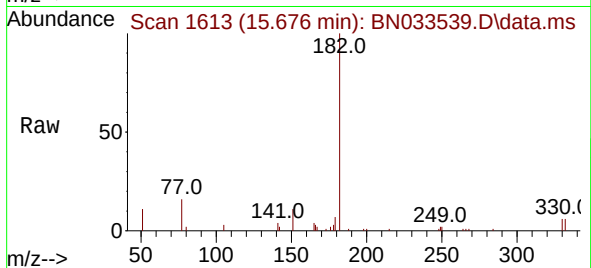
Acq: 21 Aug 2024 12:29

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524



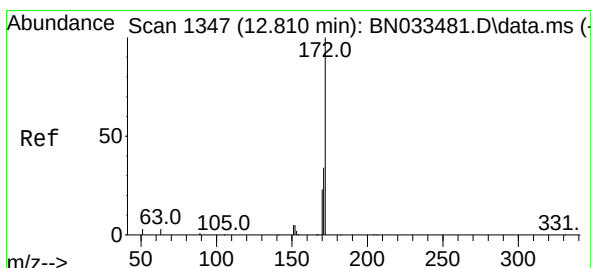
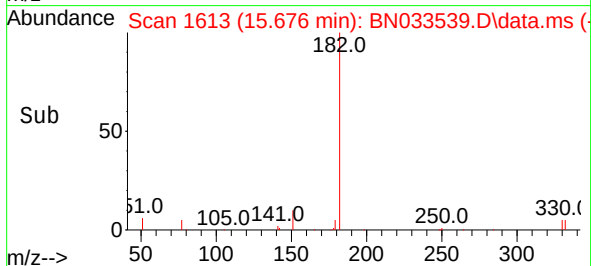
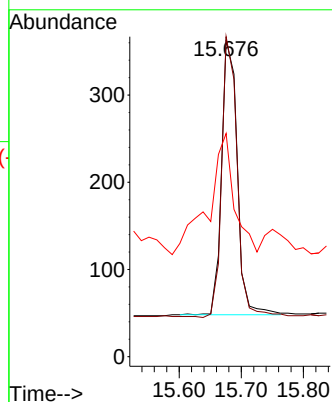
Tgt Ion:330 Resp: 550

Ion Ratio Lower Upper

330 100

332 99.5 77.5 116.3

141 67.5 33.9 50.9#



#15

2-Fluorobiphenyl

Concen: 0.128 ng

RT: 12.799 min Scan# 1346

Delta R.T. -0.011 min

Lab File: BN033539.D

Acq: 21 Aug 2024 12:29

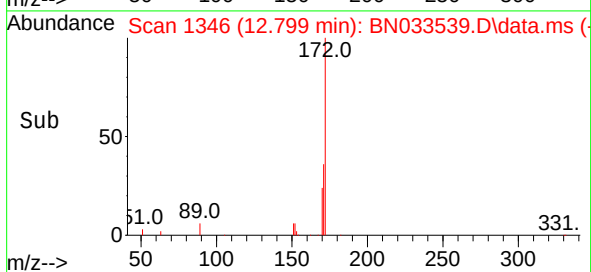
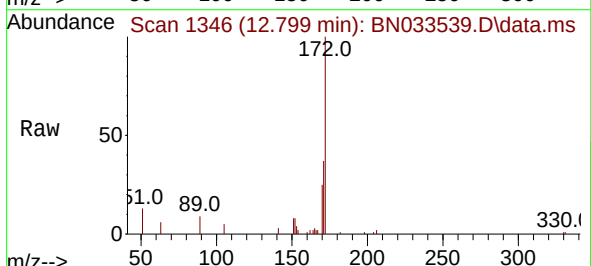
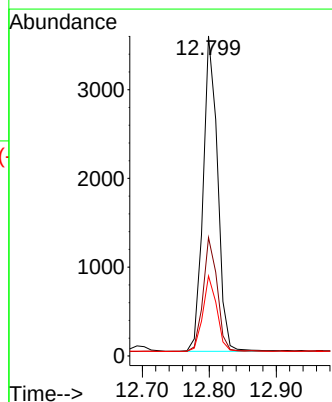
Tgt Ion:172 Resp: 5353

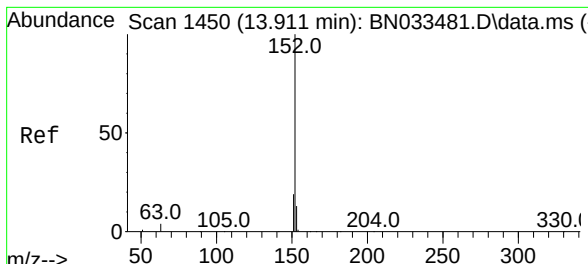
Ion Ratio Lower Upper

172 100

171 37.0 27.7 41.5

170 25.0 18.3 27.5

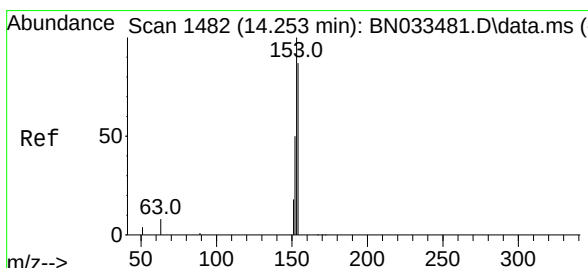
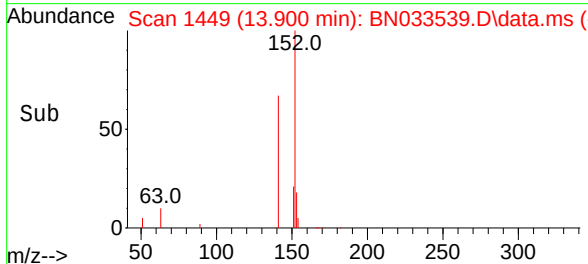
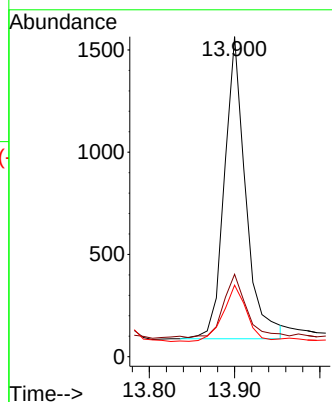
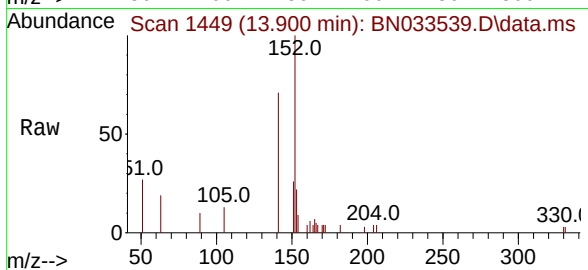




#16
Acenaphthylene
Concen: 0.057 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.011 min
Lab File: BN033539.D
Acq: 21 Aug 2024 12:29

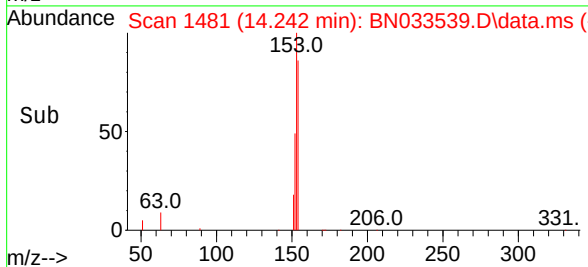
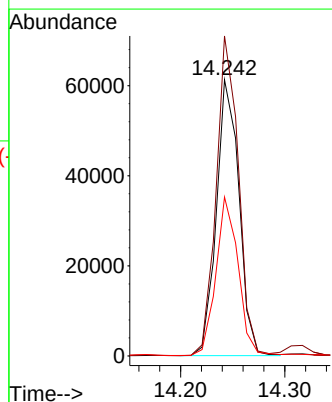
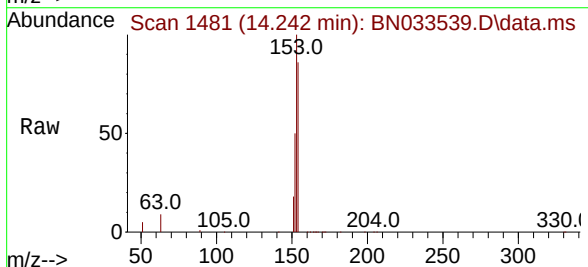
Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524

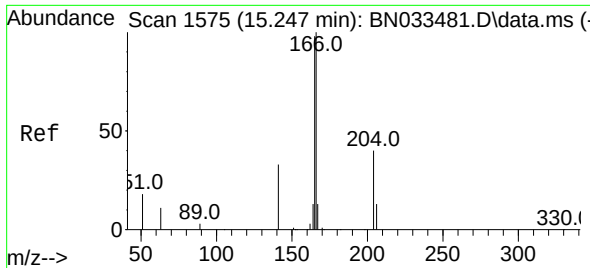
Tgt Ion:152 Resp: 2560
Ion Ratio Lower Upper
152 100
151 21.8 15.7 23.5
153 20.4 10.3 15.5#



#17
Acenaphthene
Concen: 2.929 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033539.D
Acq: 21 Aug 2024 12:29

Tgt Ion:154 Resp: 92202
Ion Ratio Lower Upper
154 100
153 113.9 89.0 133.6
152 56.4 45.2 67.8

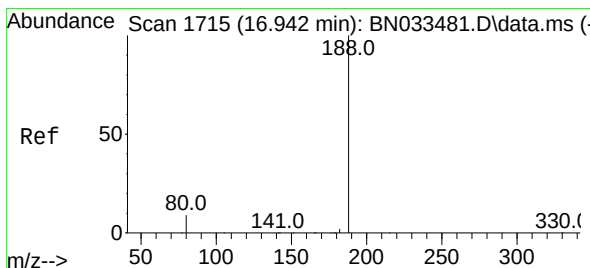
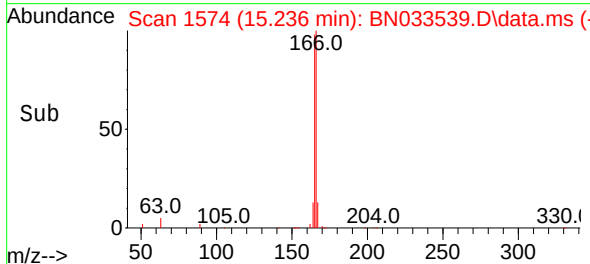
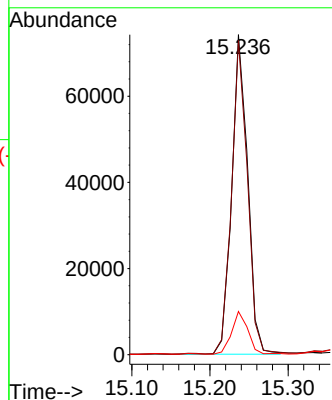
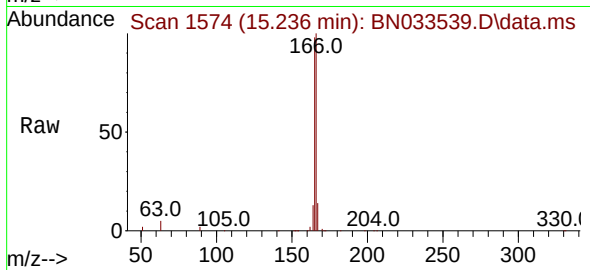




#18
Fluorene
Concen: 2.654 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033539.D
Acq: 21 Aug 2024 12:29

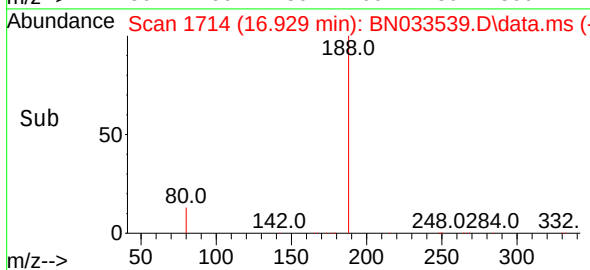
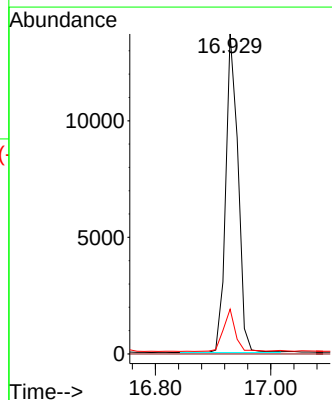
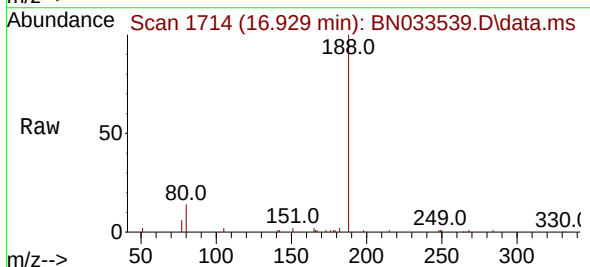
Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524

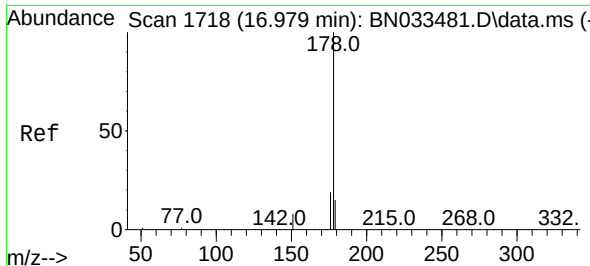
Tgt Ion:166 Resp: 105305
Ion Ratio Lower Upper
166 100
165 97.2 78.2 117.4
167 13.7 10.6 16.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BN033539.D
Acq: 21 Aug 2024 12:29

Tgt Ion:188 Resp: 20340
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.0 7.8 11.8#

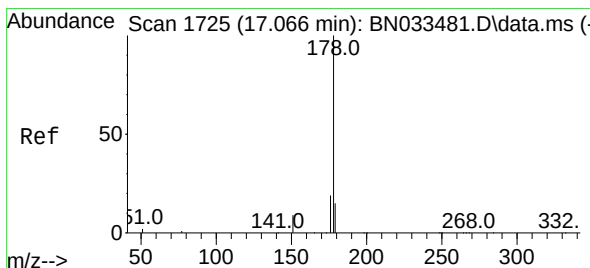
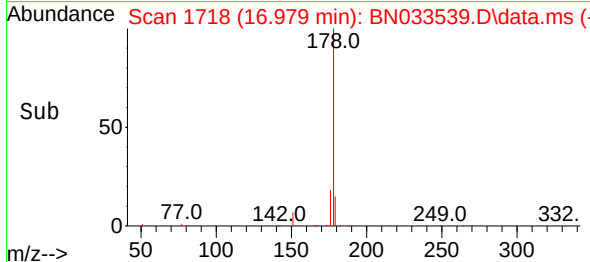
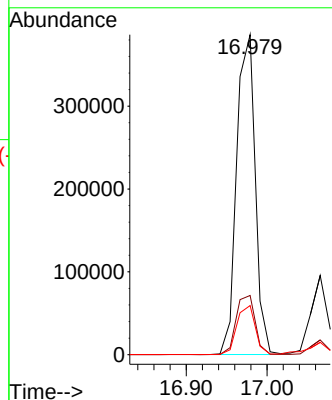
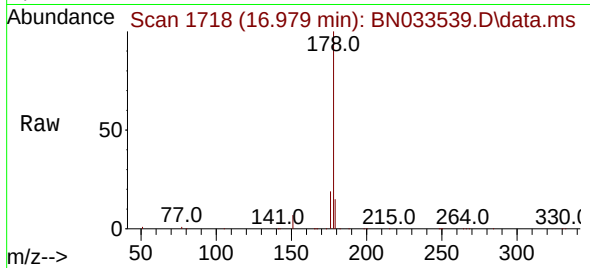




#25
Phenanthrene
Concen: 10.941 ng
RT: 16.979 min Scan# 1718
Delta R.T. -0.000 min
Lab File: BN033539.D
Acq: 21 Aug 2024 12:29

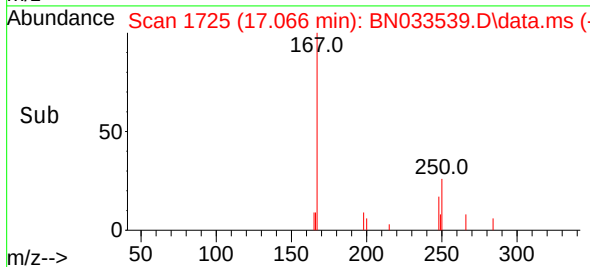
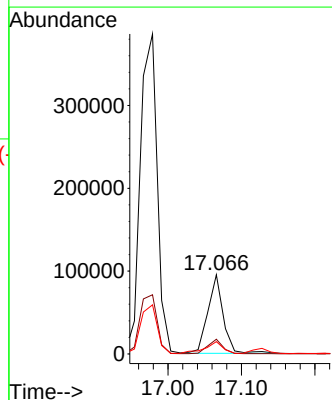
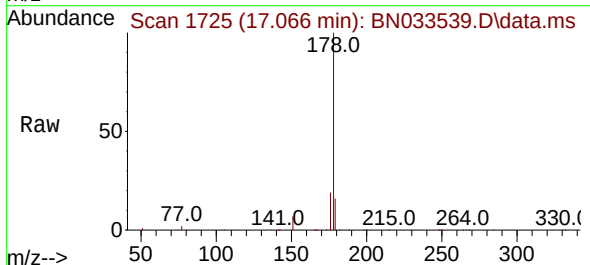
Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524

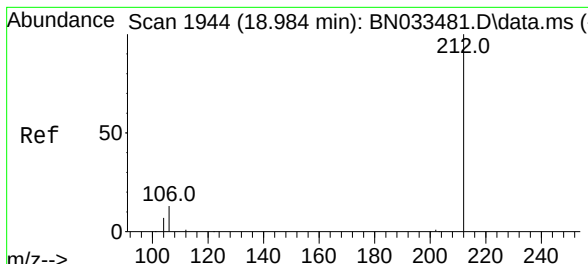
Tgt Ion:178 Resp: 619126
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.2 12.3 18.5



#26
Anthracene
Concen: 2.756 ng
RT: 17.066 min Scan# 1725
Delta R.T. -0.000 min
Lab File: BN033539.D
Acq: 21 Aug 2024 12:29

Tgt Ion:178 Resp: 137980
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 16.6 12.4 18.6

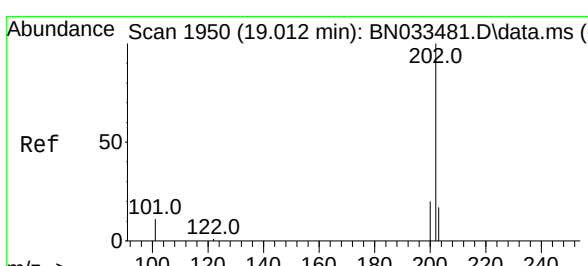
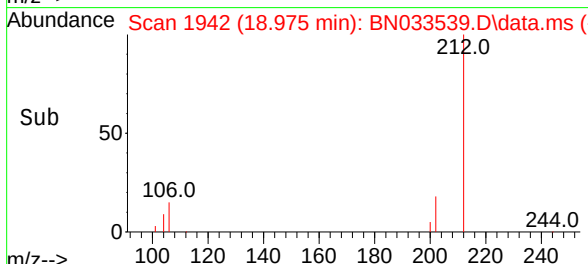
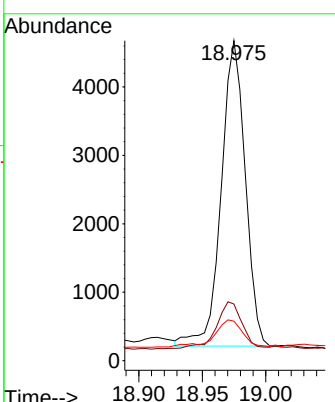
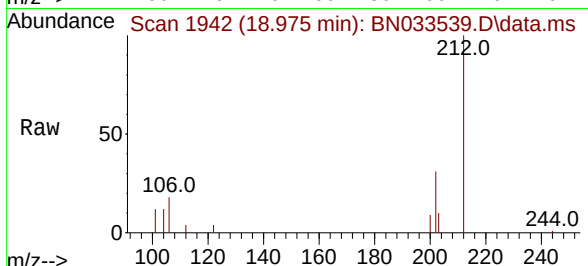




#27
 Fluoranthene-d10
 Concen: 0.120 ng
 RT: 18.975 min Scan# 1942
 Delta R.T. -0.009 min
 Lab File: BN033539.D
 Acq: 21 Aug 2024 12:29

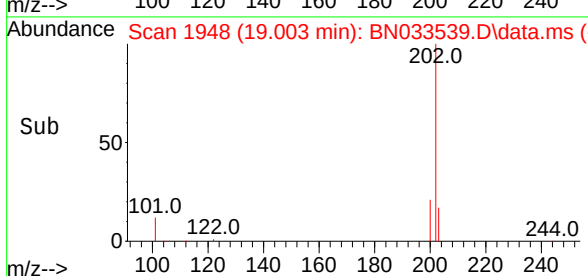
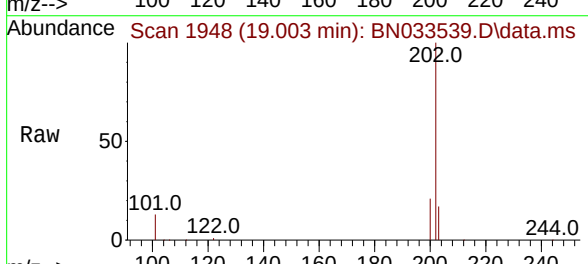
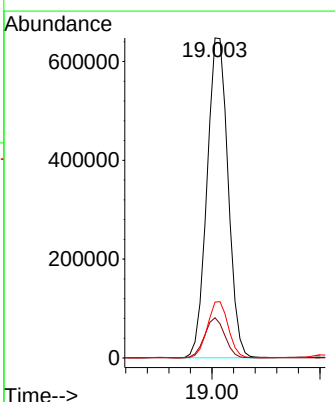
Instrument :
 BNA_N
 ClientSampleId :
 918-J-SD-0-0.5-081524

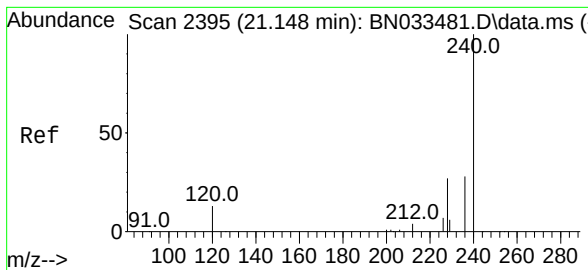
Tgt Ion:	212	Resp:	5884
Ion Ratio	Lower	Upper	
212	100		
106	16.9	12.3	18.5
104	10.7	7.0	10.4



#28
 Fluoranthene
 Concen: 14.012 ng
 RT: 19.003 min Scan# 1948
 Delta R.T. -0.009 min
 Lab File: BN033539.D
 Acq: 21 Aug 2024 12:29

Tgt Ion:	202	Resp:	876171
Ion Ratio	Lower	Upper	
202	100		
101	12.1	9.5	14.3
203	17.4	13.8	20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.139 min Scan# 24

Delta R.T. -0.009 min

Lab File: BN033539.D

Acq: 21 Aug 2024 12:29

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524

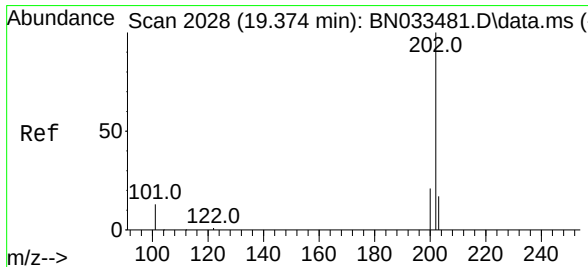
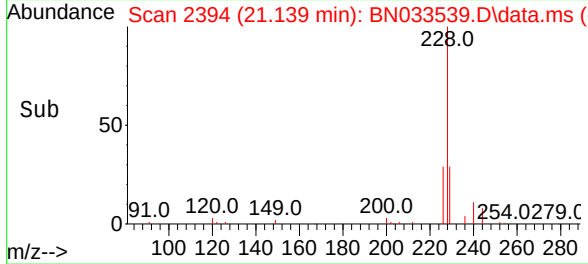
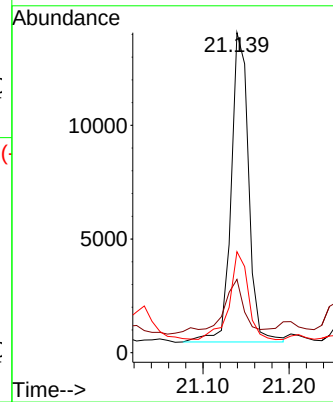
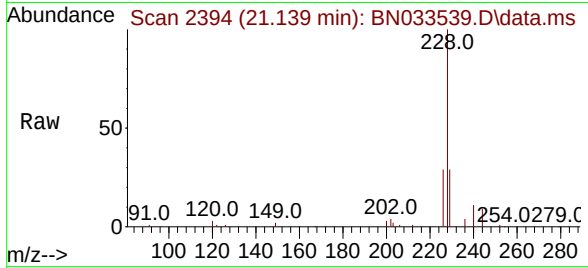
Tgt Ion:240 Resp: 19172

Ion Ratio Lower Upper

240 100

120 22.9 12.4 18.6#

236 31.5 23.0 34.6



#30

Pyrene

Concen: 8.872 ng

RT: 19.370 min Scan# 2027

Delta R.T. -0.005 min

Lab File: BN033539.D

Acq: 21 Aug 2024 12:29

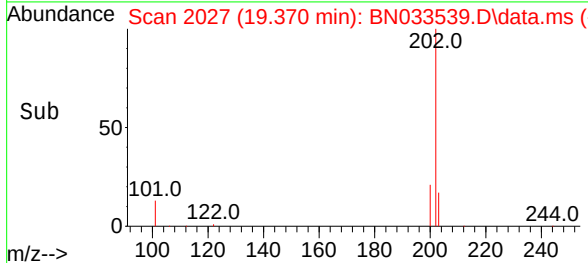
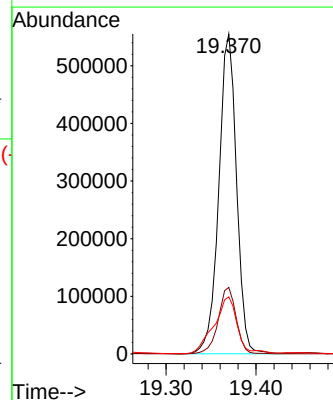
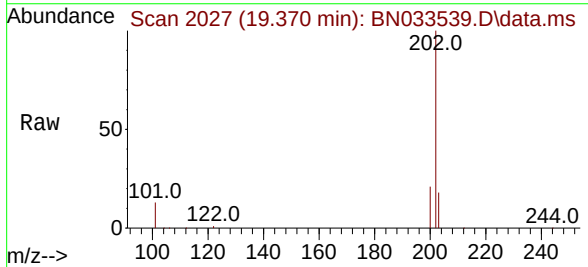
Tgt Ion:202 Resp: 759194

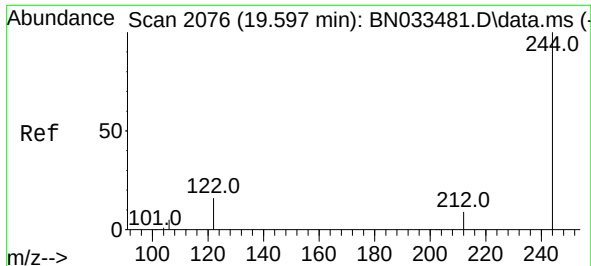
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

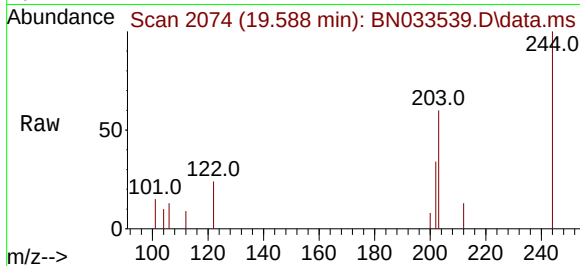
203 23.3 14.2 21.4#



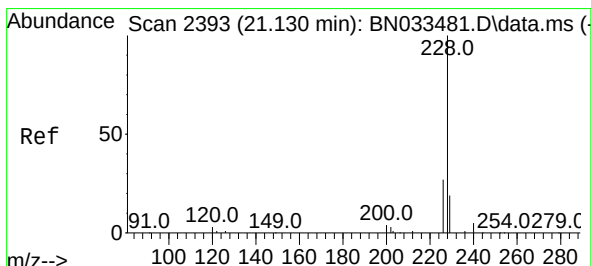
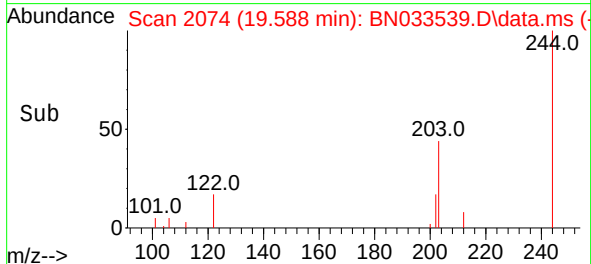
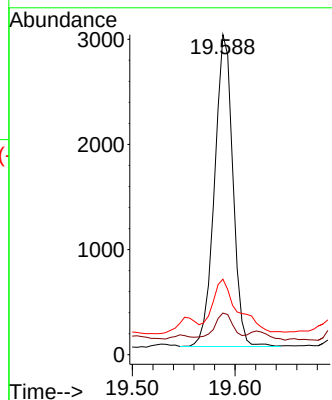


#31
 Terphenyl-d14
 Concen: 0.084 ng
 RT: 19.588 min Scan# 2074
 Delta R.T. -0.009 min
 Lab File: BN033539.D
 Acq: 21 Aug 2024 12:29

Instrument :
 BNA_N
 ClientSampleId :
 918-J-SD-0-0.5-081524

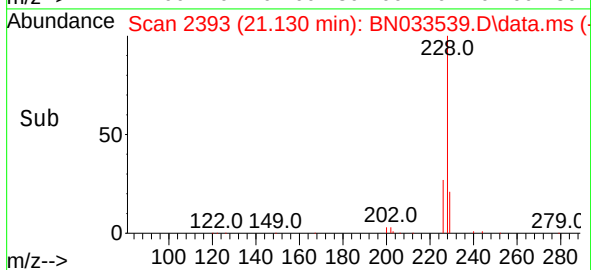
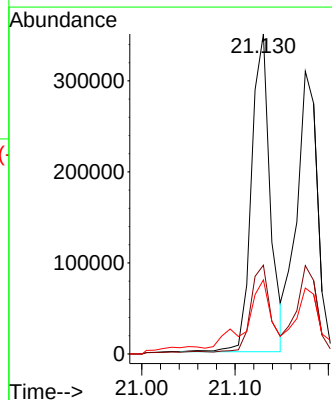
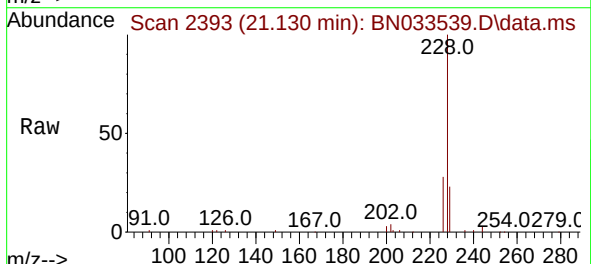


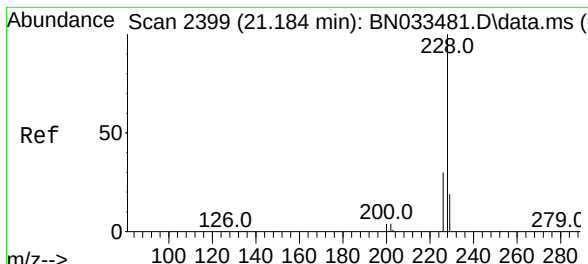
Tgt Ion:244 Resp: 3667
 Ion Ratio Lower Upper
 244 100
 212 13.0 7.8 11.6#
 122 23.6 13.3 19.9#



#32
 Benzo(a)anthracene
 Concen: 6.989 ng
 RT: 21.130 min Scan# 2393
 Delta R.T. -0.000 min
 Lab File: BN033539.D
 Acq: 21 Aug 2024 12:29

Tgt Ion:228 Resp: 484414
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.8 32.6
 229 23.1 15.8 23.6



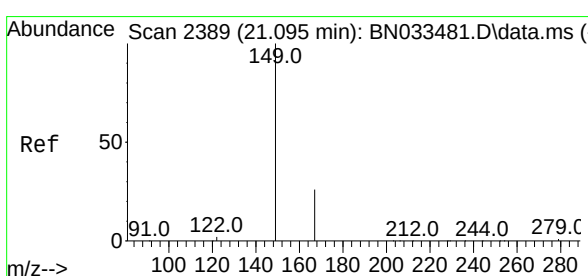
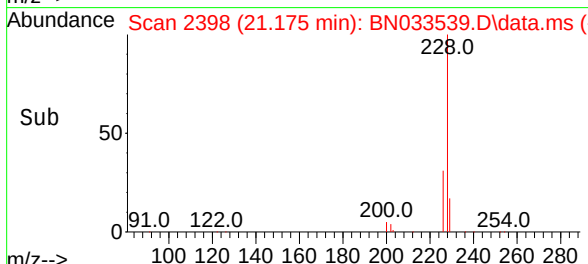
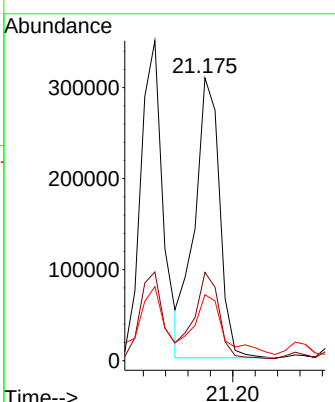
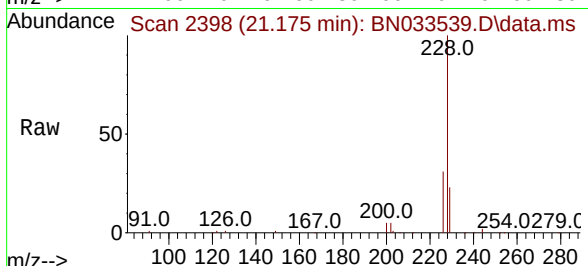


#33
 Chrysene
 Concen: 6.939 ng
 RT: 21.175 min Scan# 24
 Delta R.T. -0.009 min
 Lab File: BN033539.D
 Acq: 21 Aug 2024 12:29

Instrument :
 BNA_N
 ClientSampleId :
 918-J-SD-0-0.5-081524

Tgt Ion:228 Resp: 478108

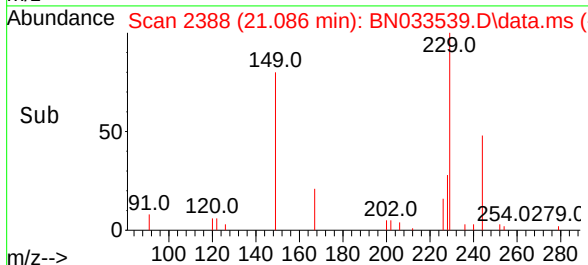
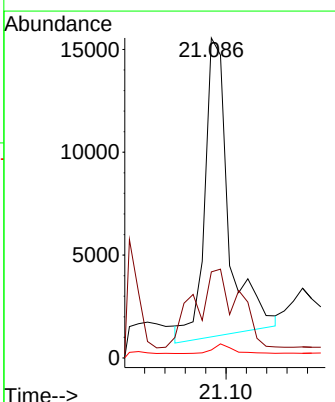
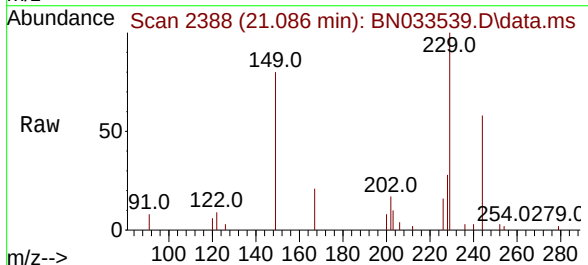
Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.8	35.8
229	23.3	15.6	23.4

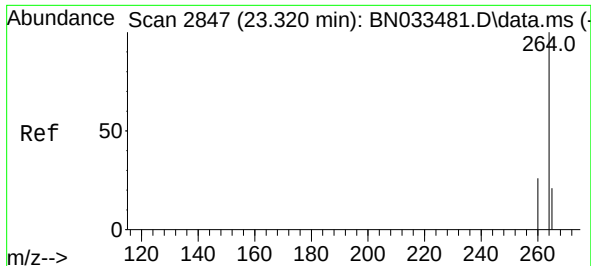


#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.544 ng
 RT: 21.086 min Scan# 2388
 Delta R.T. -0.009 min
 Lab File: BN033539.D
 Acq: 21 Aug 2024 12:29

Tgt Ion:149 Resp: 23875

Ion	Ratio	Lower	Upper
149	100		
167	53.4	21.5	32.3#
279	3.9	2.2	3.2#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.314 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN033539.D

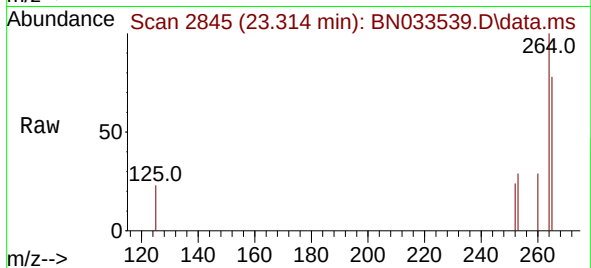
Acq: 21 Aug 2024 12:29

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524



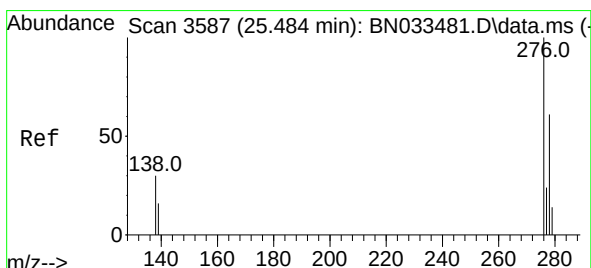
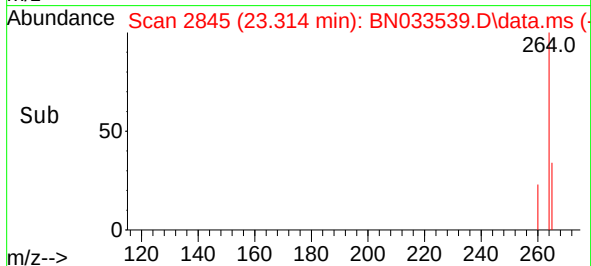
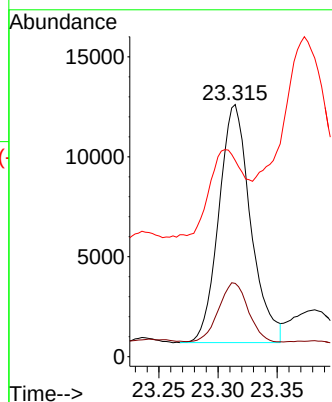
Tgt Ion:264 Resp: 22321

Ion Ratio Lower Upper

264 100

260 29.1 20.8 31.2

265 77.8 52.2 78.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 2.841 ng

RT: 25.463 min Scan# 3580

Delta R.T. -0.020 min

Lab File: BN033539.D

Acq: 21 Aug 2024 12:29

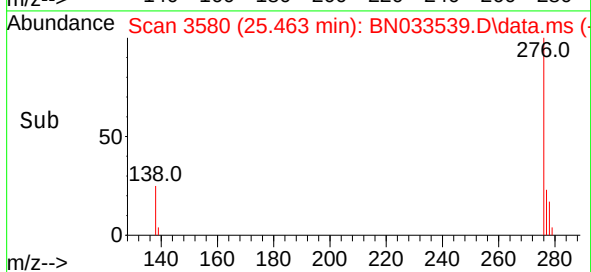
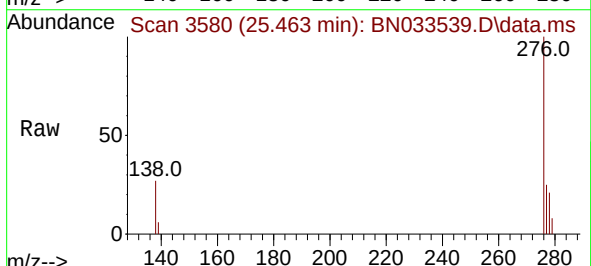
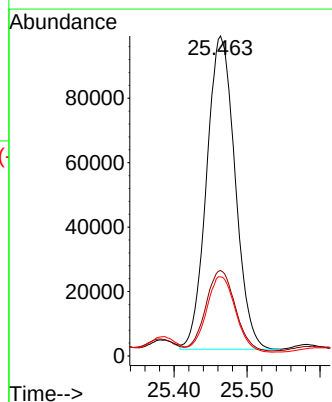
Tgt Ion:276 Resp: 263310

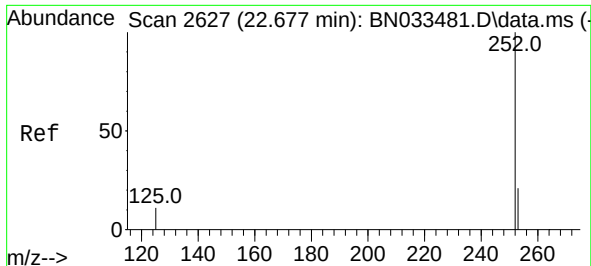
Ion Ratio Lower Upper

276 100

138 26.5 24.4 36.6

277 24.6 19.8 29.6

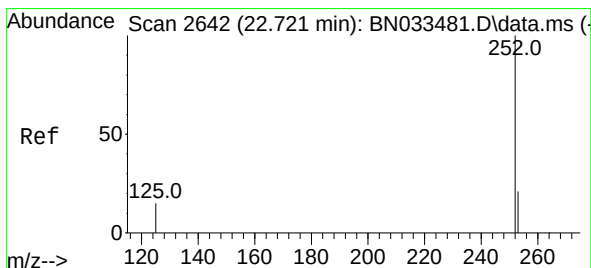
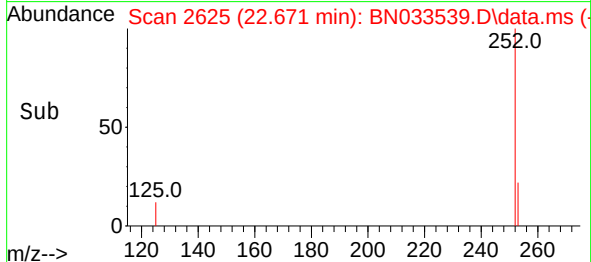
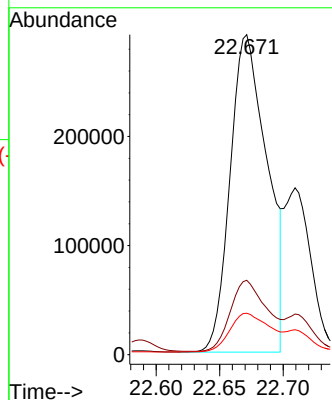
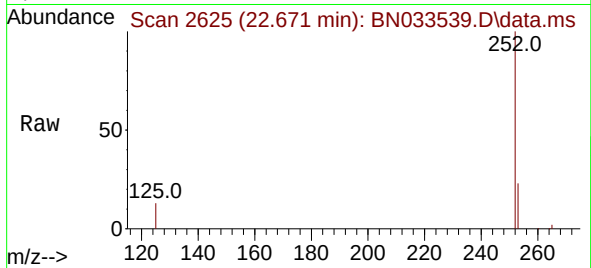




#37
Benzo(b)fluoranthene
Concen: 7.067 ng
RT: 22.671 min Scan# 2625
Delta R.T. -0.006 min
Lab File: BN033539.D
Acq: 21 Aug 2024 12:29

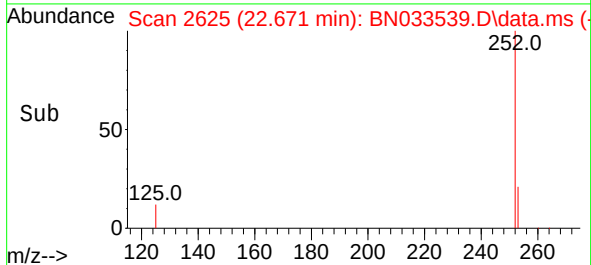
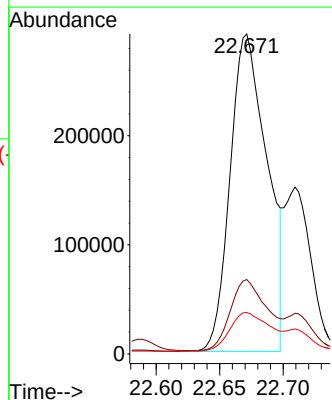
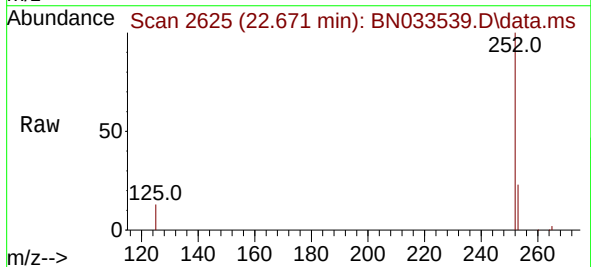
Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524

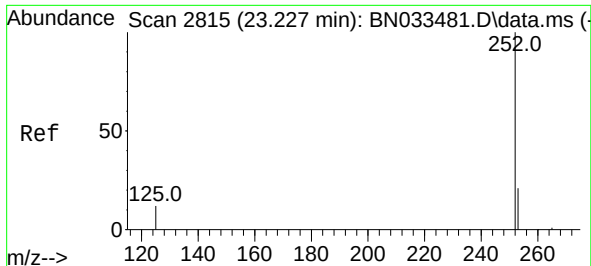
Tgt Ion:252 Resp: 589092
Ion Ratio Lower Upper
252 100
253 23.2 19.8 29.8
125 13.0 13.9 20.9#



#38
Benzo(k)fluoranthene
Concen: 7.180 ng
RT: 22.671 min Scan# 2625
Delta R.T. -0.050 min
Lab File: BN033539.D
Acq: 21 Aug 2024 12:29

Tgt Ion:252 Resp: 589092
Ion Ratio Lower Upper
252 100
253 23.2 19.8 29.8
125 13.0 15.8 23.8#





#39

Benzo(a)pyrene

Concen: 4.952 ng

RT: 23.127 min Scan# 21

Delta R.T. -0.099 min

Lab File: BN033539.D

Acq: 21 Aug 2024 12:29

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524

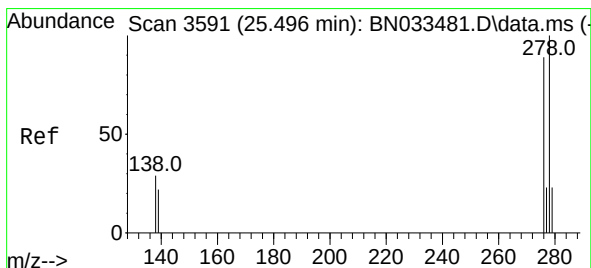
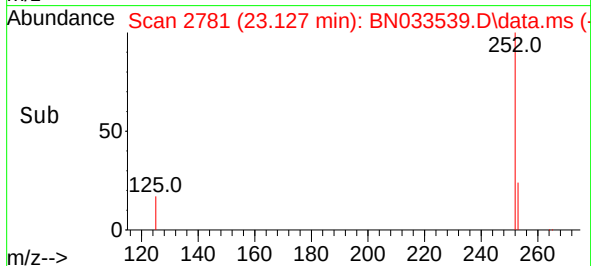
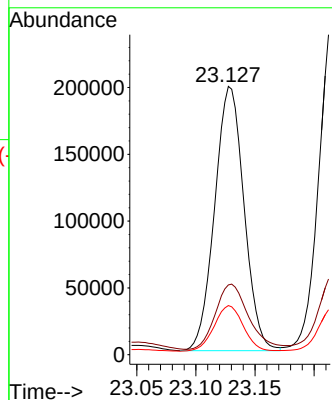
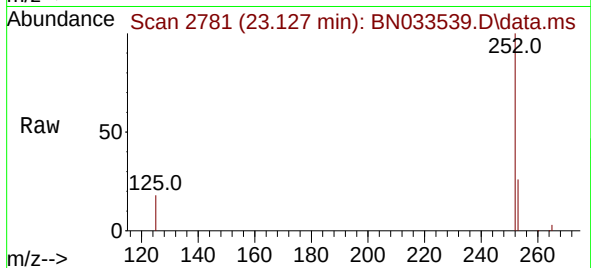
Tgt Ion:252 Resp: 341526

Ion Ratio Lower Upper

252 100

253 26.0 21.5 32.3

125 18.3 17.0 25.4



#40

Dibenzo(a,h)anthracene

Concen: 0.924 ng

RT: 25.475 min Scan# 3584

Delta R.T. -0.020 min

Lab File: BN033539.D

Acq: 21 Aug 2024 12:29

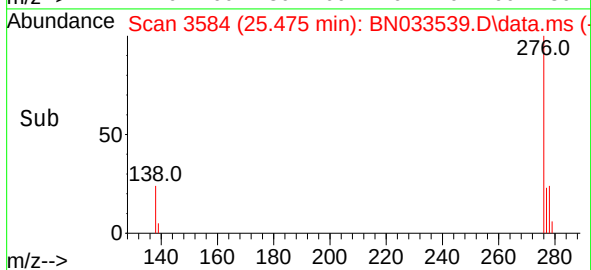
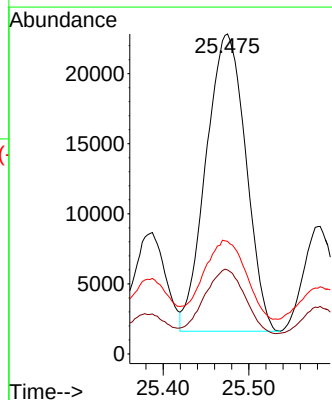
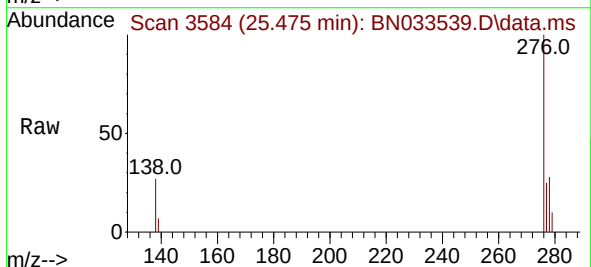
Tgt Ion:278 Resp: 68489

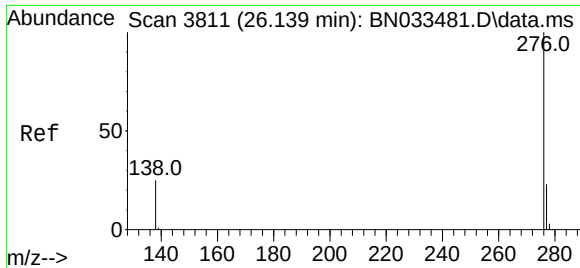
Ion Ratio Lower Upper

278 100

139 26.3 19.1 28.7

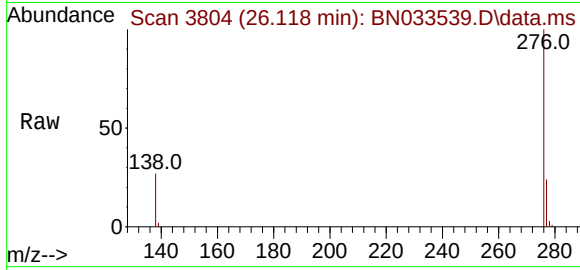
279 35.2 21.0 31.4#





#41
 Benzo(g,h,i)perylene
 Concen: 3.479 ng
 RT: 26.118 min Scan# 3804
 Delta R.T. -0.020 min
 Lab File: BN033539.D
 Acq: 21 Aug 2024 12:29

Instrument :
 BNA_N
 ClientSampleId :
 918-J-SD-0-0.5-081524



Tgt Ion:	276	Resp:	275680
Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.7	29.5
138	27.3	21.8	32.6

