

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033591.D
 Acq On : 23 Aug 2024 15:59
 Operator : MA/JU
 Sample : P3671-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-911-K1-SO-0-0.5-081924-FD

Quant Time: Aug 23 16:53:16 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)

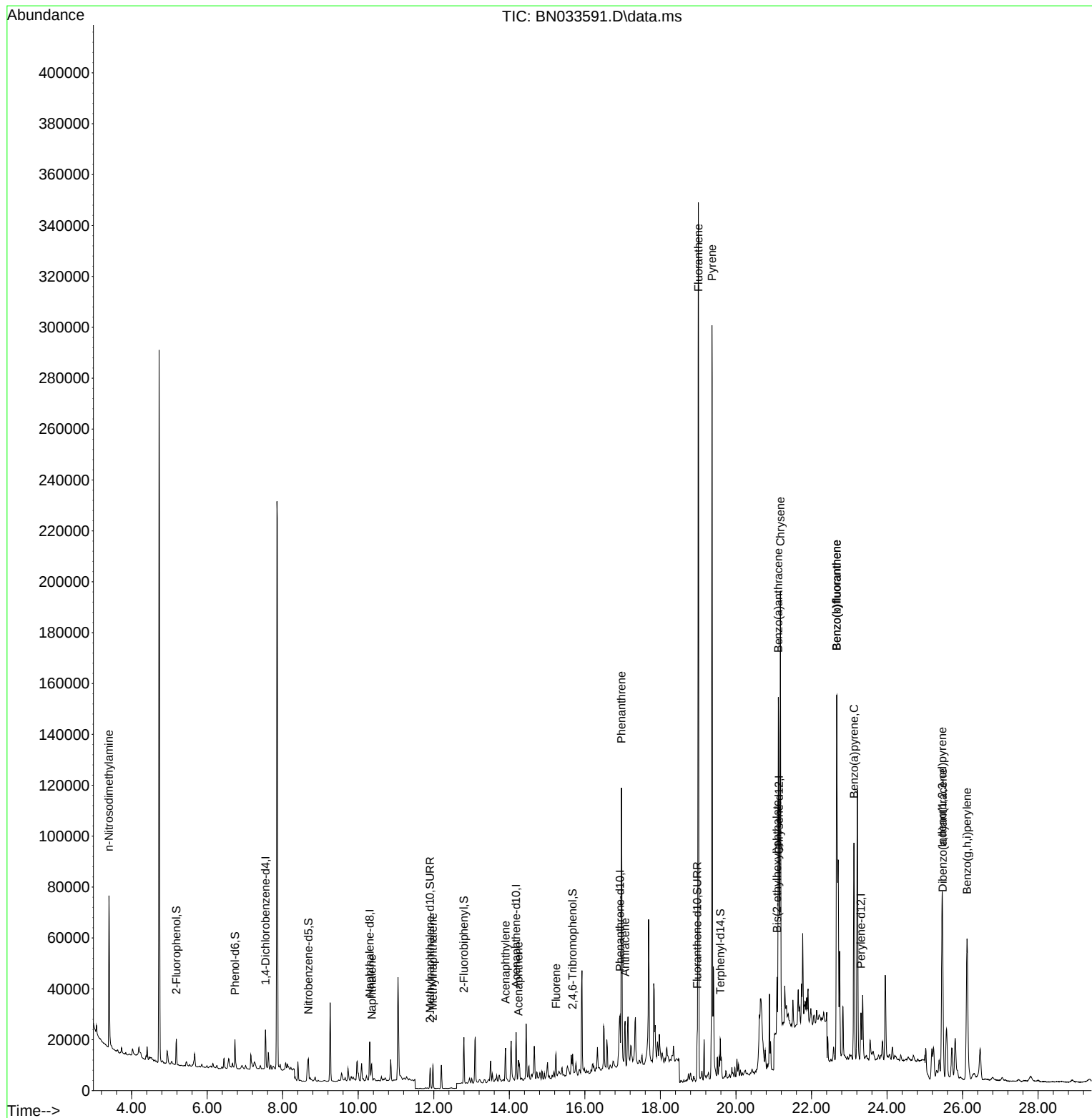
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	6471	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	18310	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	9783	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20641	0.400	ng	# 0.00
29) Chrysene-d12	21.139	240	16828	0.400	ng	# 0.00
35) Perylene-d12	23.309	264	18757	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	7252	0.353	ng	0.00
5) Phenol-d6	6.736	99	9414	0.385	ng	0.00
8) Nitrobenzene-d5	8.681	82	7067	0.465	ng	0.00
11) 2-Methylnaphthalene-d10	11.903	152	10856	0.414	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	2643	0.503	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	14785	0.370	ng	0.00
27) Fluoranthene-d10	18.975	212	19419	0.391	ng	0.00
31) Terphenyl-d14	19.584	244	13742	0.359	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.399	42	7920	0.915	ng	# 1
9) Naphthalene	10.357	128	8486	0.173	ng	96
12) 2-Methylnaphthalene	11.975	142	6355	0.205	ng	98
16) Acenaphthylene	13.900	152	14776	0.344	ng	97
17) Acenaphthene	14.242	154	3411	0.113	ng	95
18) Fluorene	15.236	166	5677	0.149	ng	# 87
25) Phenanthrene	16.967	178	114072	1.987	ng	99
26) Anthracene	17.066	178	18335	0.361	ng	# 93
28) Fluoranthene	19.003	202	293678	4.628	ng	100
30) Pyrene	19.365	202	255373	3.400	ng	# 96
32) Benzo(a)anthracene	21.121	228	119594	1.966	ng	95
33) Chrysene	21.175	228	143608	2.375	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	35602	0.924	ng	# 91
36) Indeno(1,2,3-cd)pyrene	25.461	276	110265	1.416	ng	# 93
37) Benzo(b)fluoranthene	22.668	252	214874	3.068	ng	96
38) Benzo(k)fluoranthene	22.668	252	214874	3.117	ng	# 94
39) Benzo(a)pyrene	23.125	252	106942	1.845	ng	97
40) Dibenzo(a,h)anthracene	25.475	278	25089	0.403	ng	# 86
41) Benzo(g,h,i)perylene	26.118	276	110193	1.655	ng	99

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

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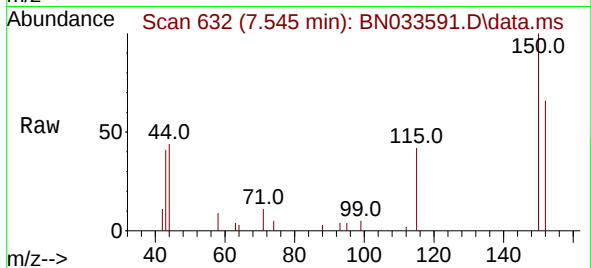
Quant Time: Aug 23 16:53:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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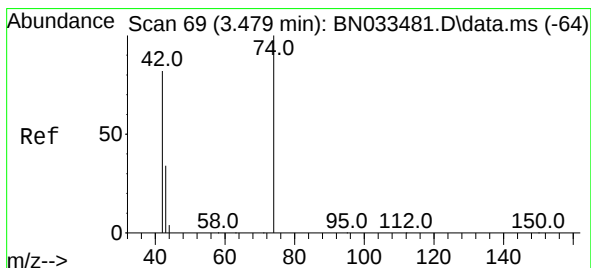
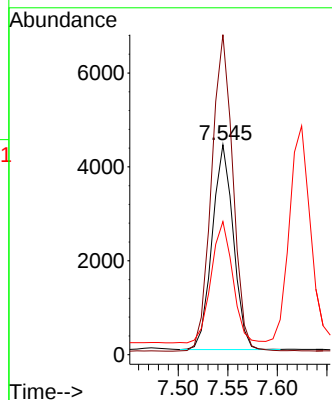
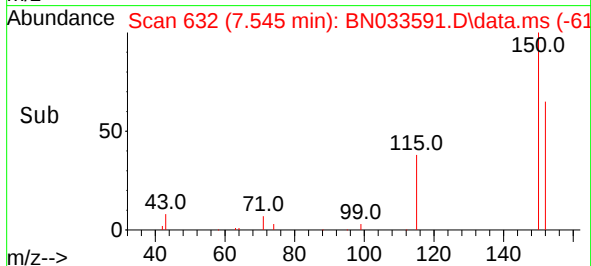


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

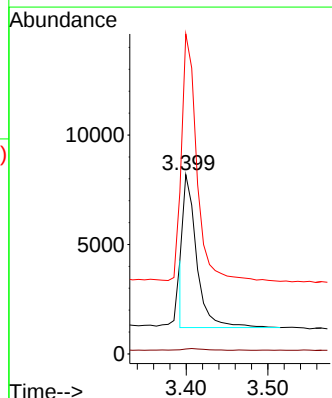
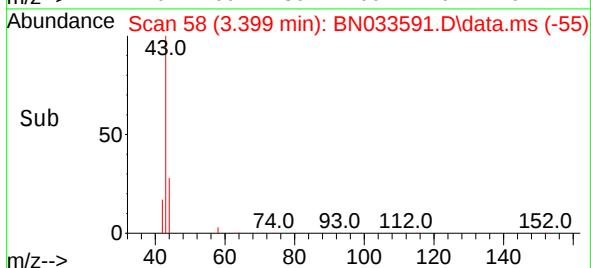
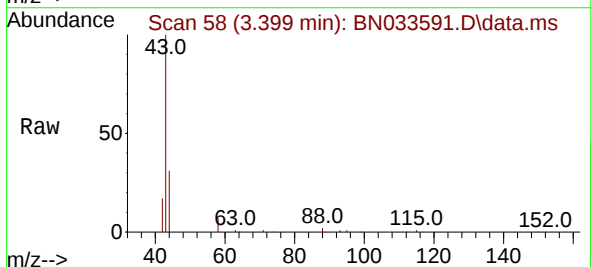


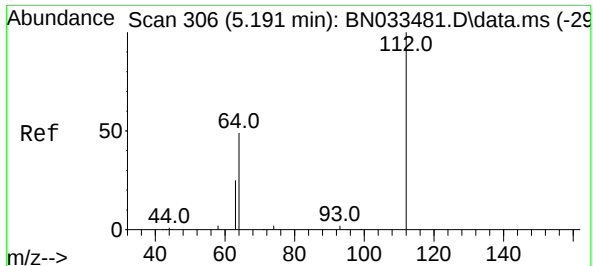
Tgt Ion:152 Resp: 6471
Ion Ratio Lower Upper
152 100
150 152.5 122.2 183.2
115 63.4 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.915 ng
RT: 3.399 min Scan# 58
Delta R.T. -0.079 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

Tgt Ion: 42 Resp: 7920
Ion Ratio Lower Upper
42 100
74 1.5 100.2 150.2#
44 165.7 5.3 7.9#





#4

2-Fluorophenol

Concen: 0.353 ng

RT: 5.183 min Scan# 30

Delta R.T. 0.007 min

Lab File: BN033591.D

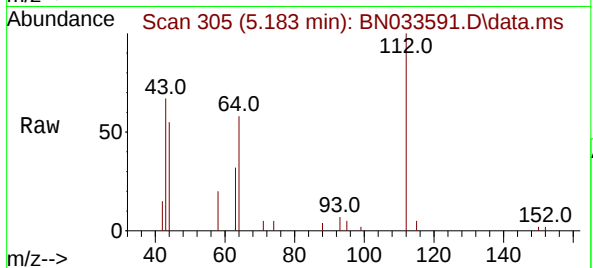
Acq: 23 Aug 2024 15:59

Instrument :

BNA_N

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD



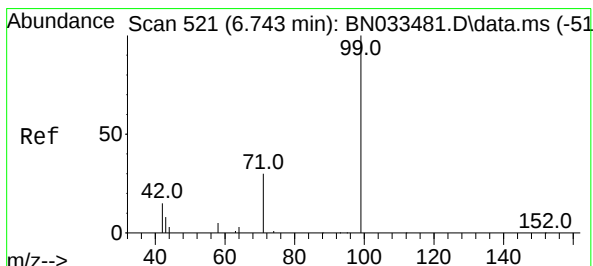
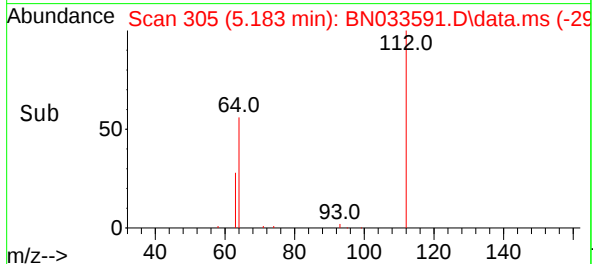
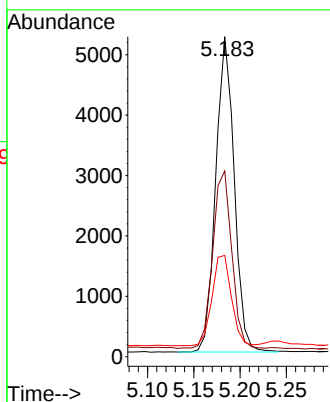
Tgt Ion:112 Resp: 7252

Ion Ratio Lower Upper

112 100

64 57.8 47.1 70.7

63 30.0 24.9 37.3



#5

Phenol-d6

Concen: 0.385 ng

RT: 6.736 min Scan# 520

Delta R.T. 0.007 min

Lab File: BN033591.D

Acq: 23 Aug 2024 15:59

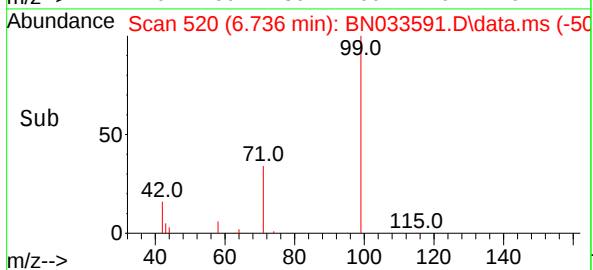
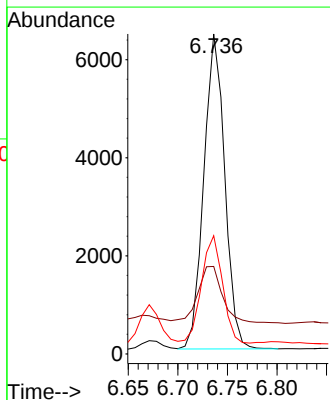
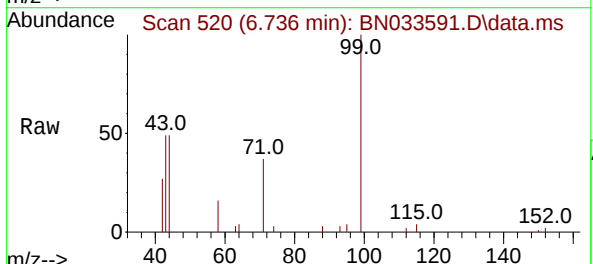
Tgt Ion: 99 Resp: 9414

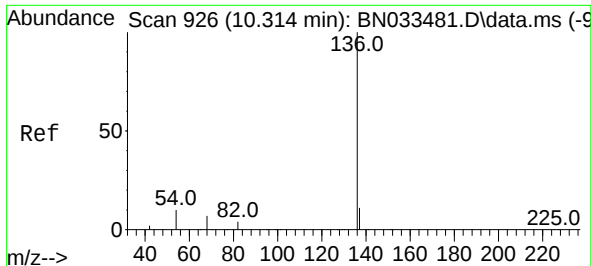
Ion Ratio Lower Upper

99 100

42 20.9 16.6 24.8

71 34.3 26.2 39.4

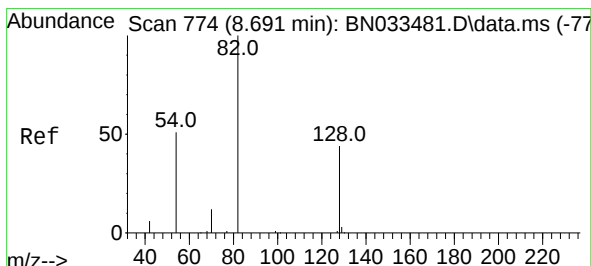
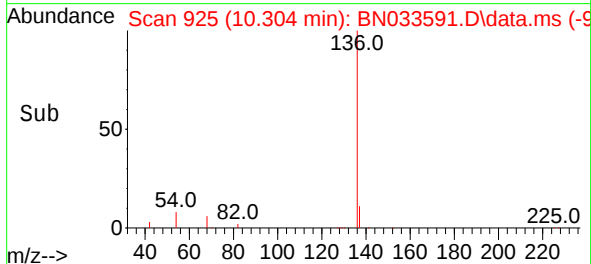
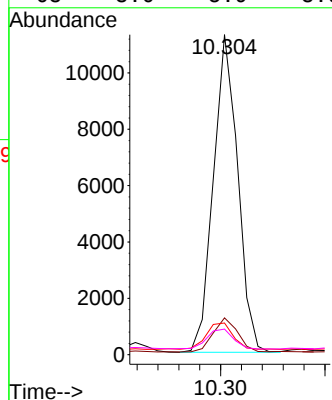
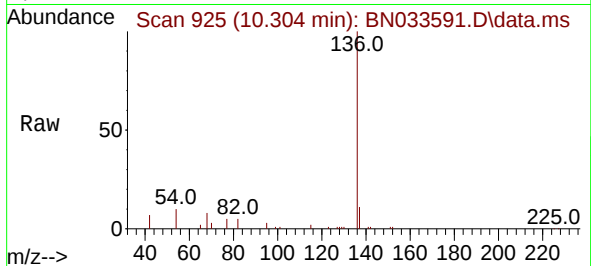




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

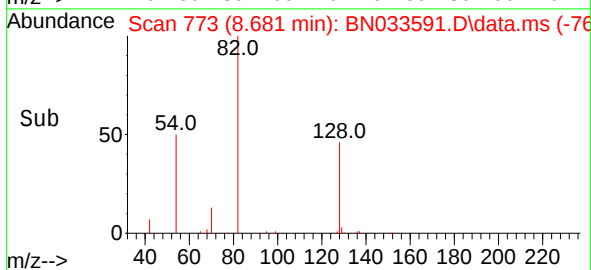
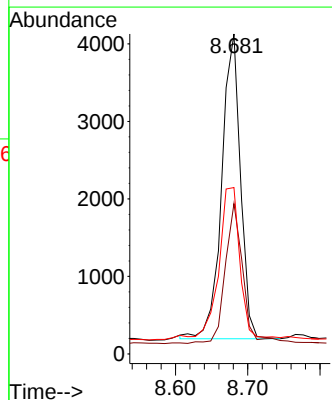
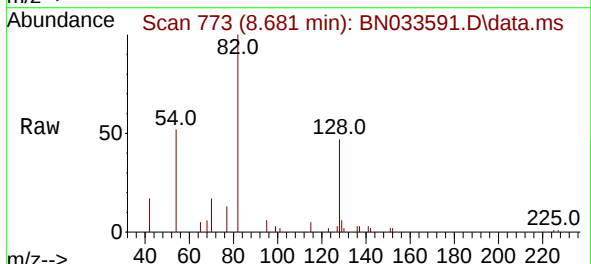
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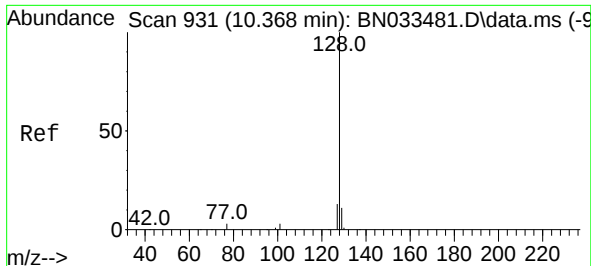
Tgt Ion:	136	Resp:	18310
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.0	13.6
54	9.9	8.3	12.5
68	8.0	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.465 ng
RT: 8.681 min Scan# 773
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

Tgt Ion:	82	Resp:	7067
Ion Ratio	Lower	Upper	
82	100		
128	47.0	36.0	54.0
54	52.0	42.0	63.0

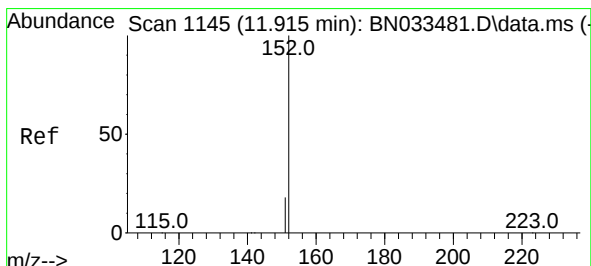
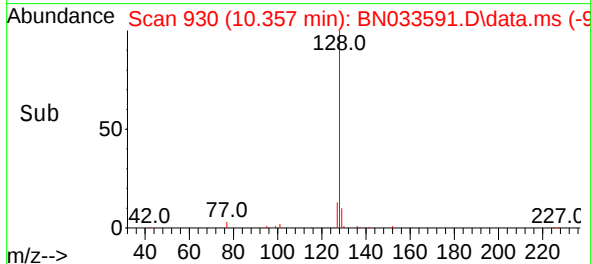
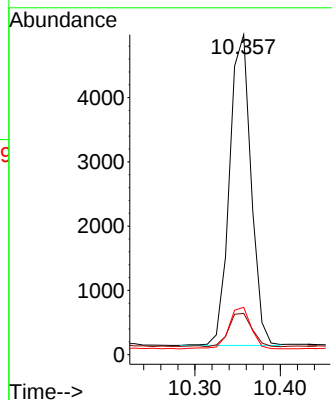
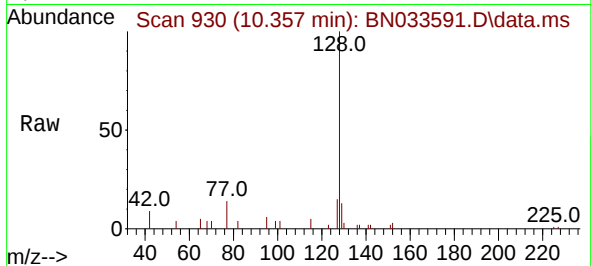




#9
Naphthalene
Concen: 0.173 ng
RT: 10.357 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

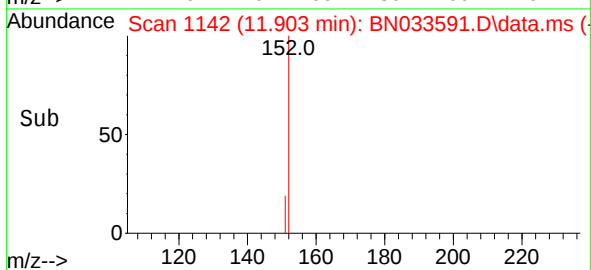
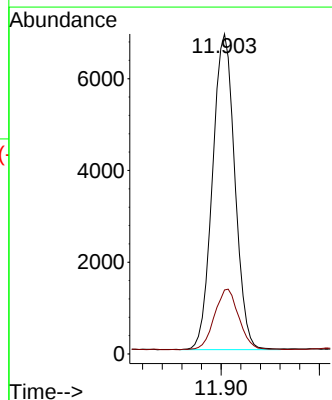
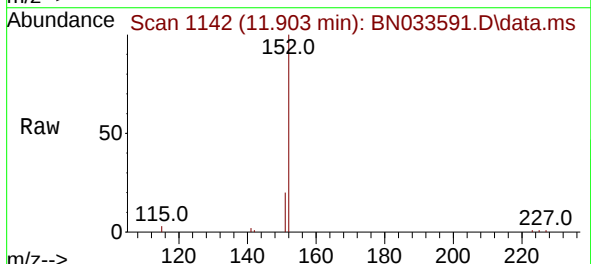
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

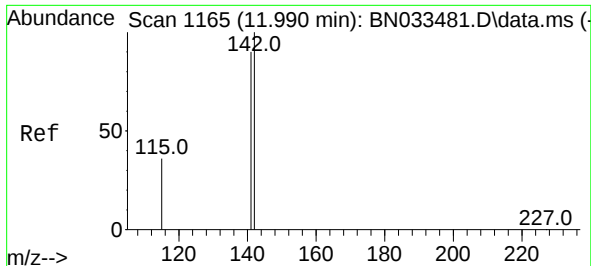
Tgt Ion:128 Resp: 8486
Ion Ratio Lower Upper
128 100
129 12.9 9.1 13.7
127 14.8 10.7 16.1



#11
2-Methylnaphthalene-d10
Concen: 0.414 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

Tgt Ion:152 Resp: 10856
Ion Ratio Lower Upper
152 100
151 21.0 16.6 25.0





#12

2-Methylnaphthalene

Concen: 0.205 ng

RT: 11.975 min Scan# 1161

Delta R.T. -0.004 min

Lab File: BN033591.D

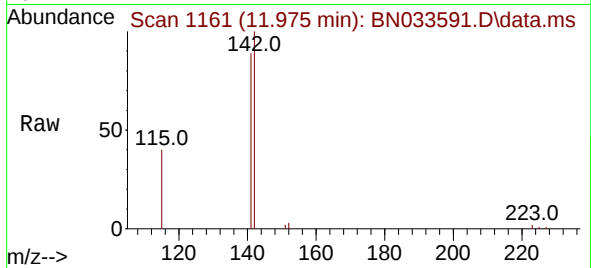
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Instrument :

BNA_N

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD



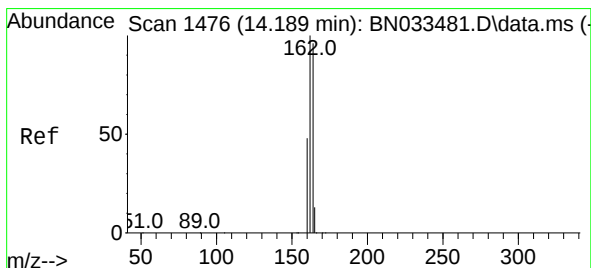
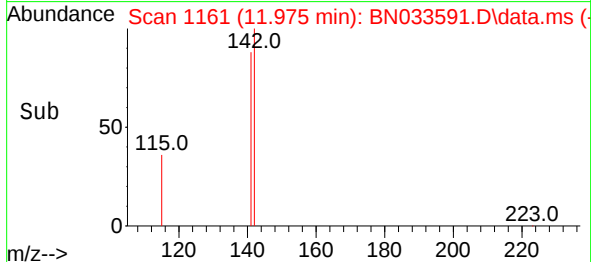
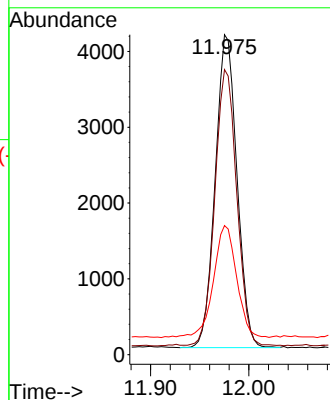
Tgt Ion:142 Resp: 6355

Ion Ratio Lower Upper

142 100

141 89.1 71.7 107.5

115 40.3 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: BN033591.D

Acq: 23 Aug 2024 15:59

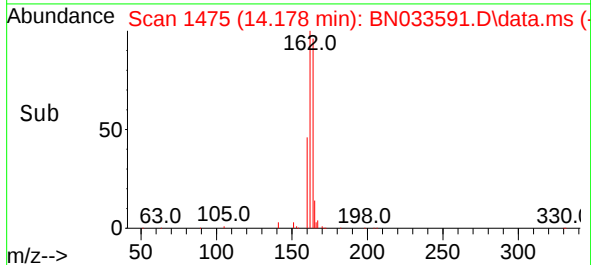
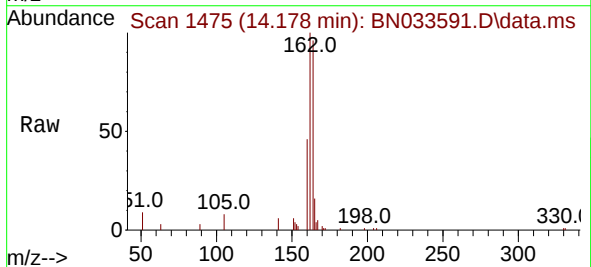
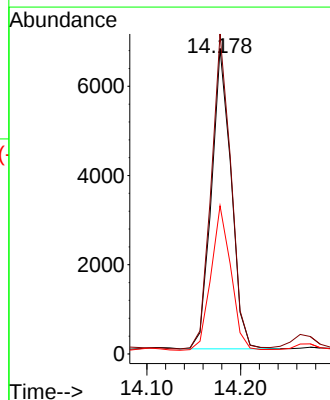
Tgt Ion:164 Resp: 9783

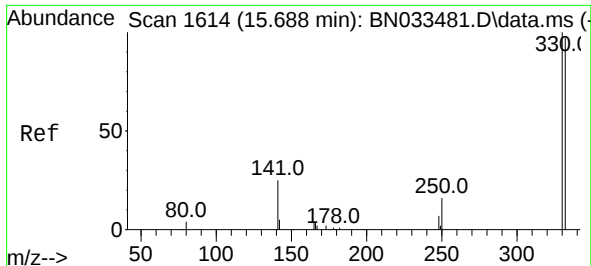
Ion Ratio Lower Upper

164 100

162 104.7 83.5 125.3

160 48.5 40.2 60.4





#14

2,4,6-Tribromophenol

Concen: 0.503 ng

RT: 15.676 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN033591.D

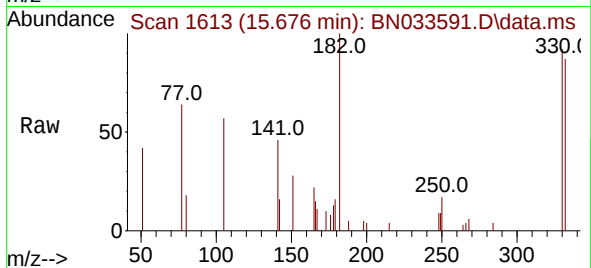
Acq: 23 Aug 2024 15:59

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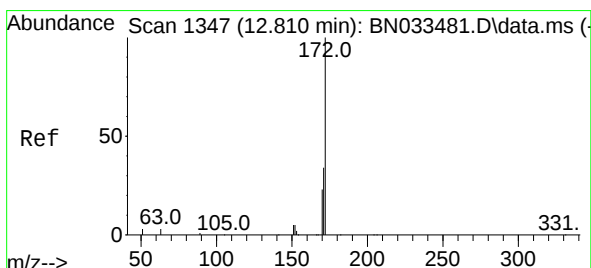
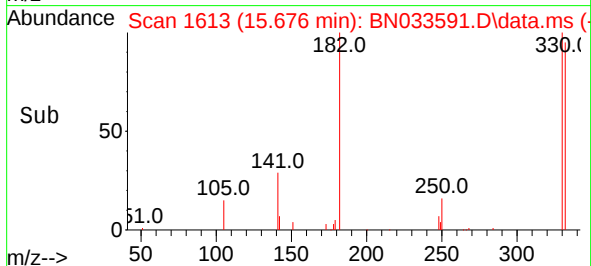
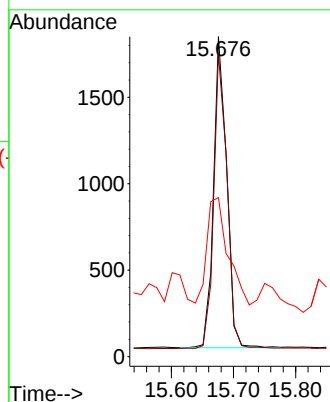
Tgt Ion:330 Resp: 2643

Ion Ratio Lower Upper

330 100

332 95.6 77.5 116.3

141 55.1 33.9 50.9#



#15

2-Fluorobiphenyl

Concen: 0.370 ng

RT: 12.799 min Scan# 1346

Delta R.T. -0.000 min

Lab File: BN033591.D

Acq: 23 Aug 2024 15:59

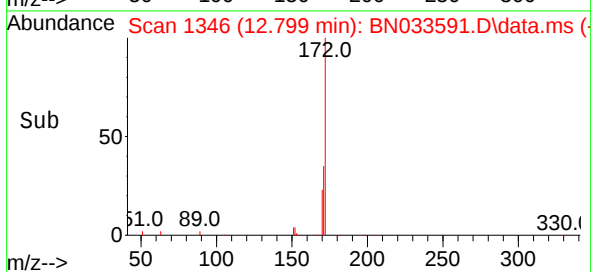
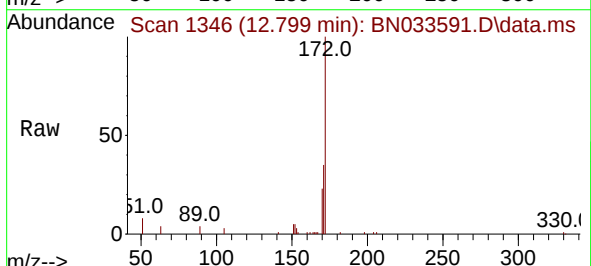
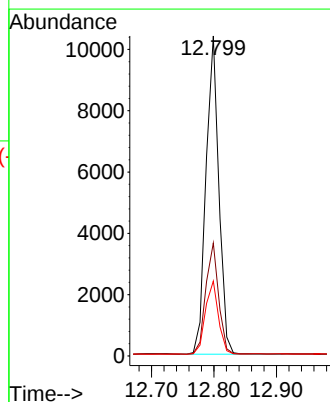
Tgt Ion:172 Resp: 14785

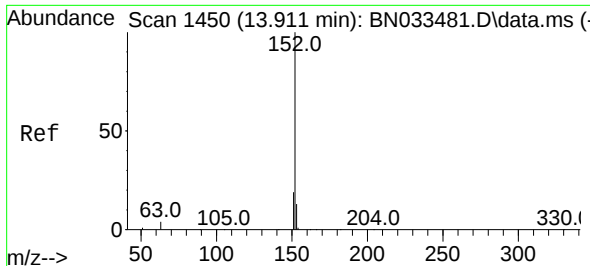
Ion Ratio Lower Upper

172 100

171 35.3 27.7 41.5

170 23.4 18.3 27.5

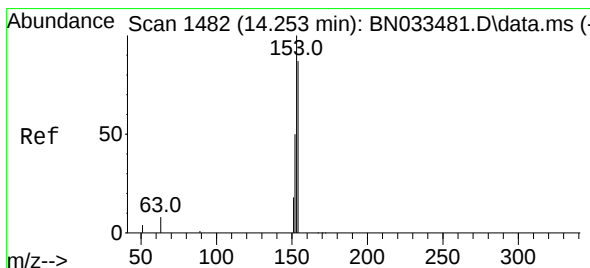
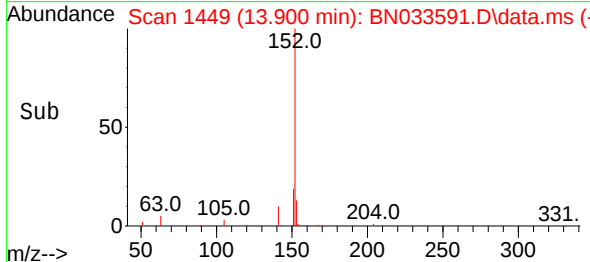
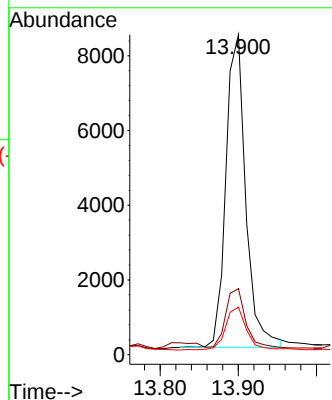
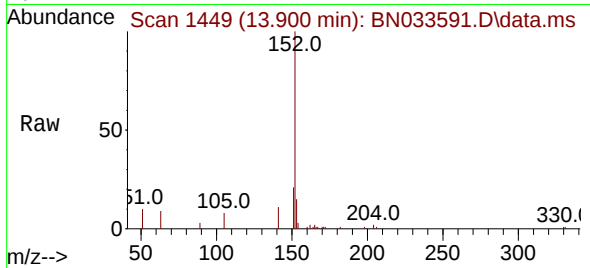




#16
Acenaphthylene
Concen: 0.344 ng
RT: 13.900 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

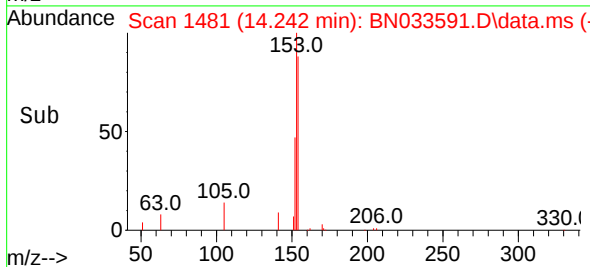
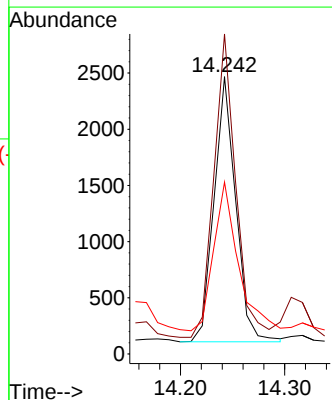
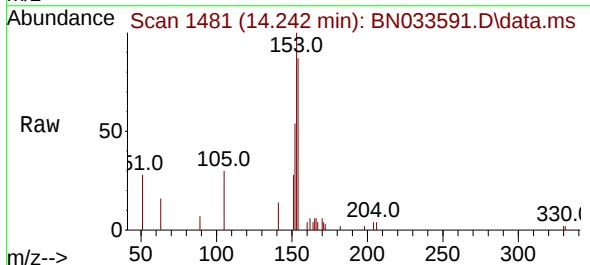
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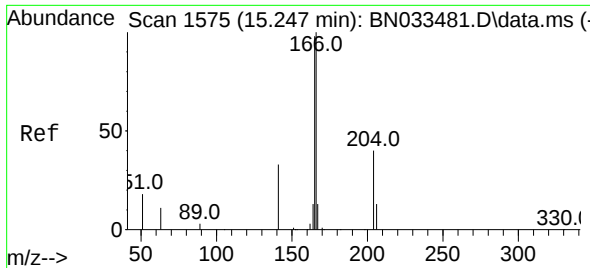
Tgt Ion:	152	Resp:	14776
Ion Ratio	Lower	Upper	
152	100		
151	18.3	15.7	23.5
153	14.6	10.3	15.5



#17
Acenaphthene
Concen: 0.113 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

Tgt Ion:	154	Resp:	3411
Ion Ratio	Lower	Upper	
154	100		
153	115.1	89.0	133.6
152	63.3	45.2	67.8

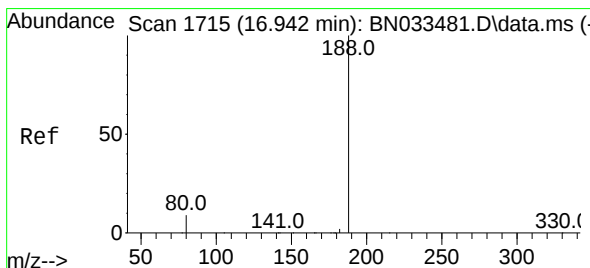
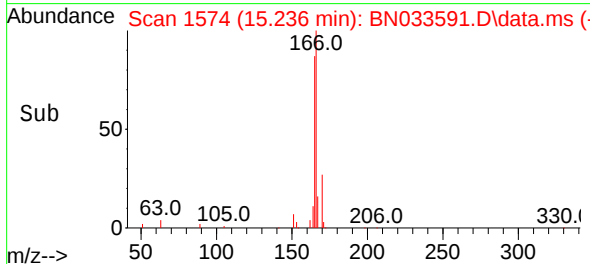
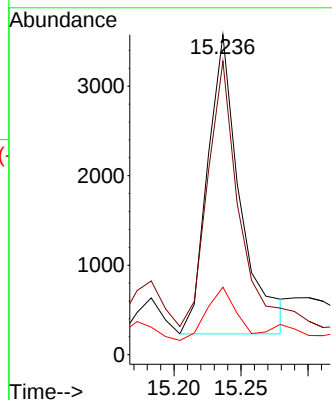
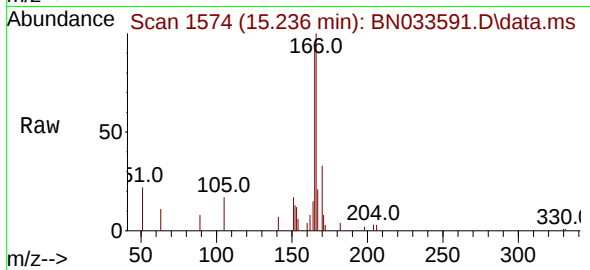




#18
 Fluorene
 Concen: 0.149 ng
 RT: 15.236 min Scan# 1574
 Delta R.T. -0.000 min
 Lab File: BN033591.D
 Acq: 23 Aug 2024 15:59

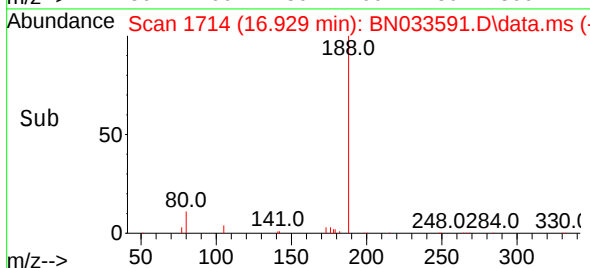
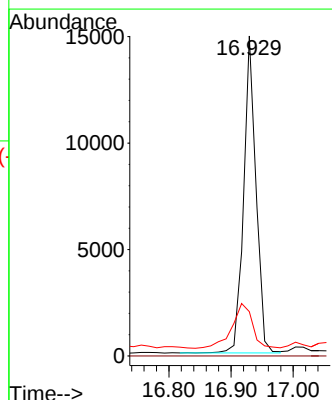
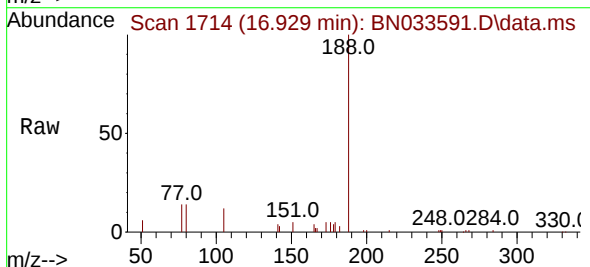
Instrument :
 BNA_N
 ClientSampleId :
 S-911-K1-SO-0-0.5-081924-FD

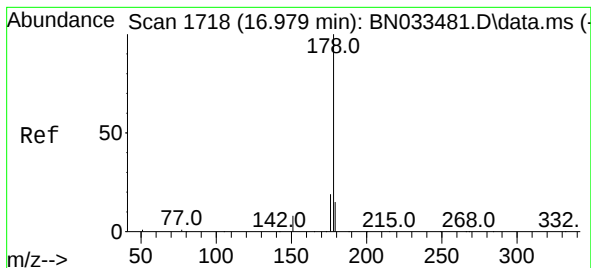
Tgt Ion:166 Resp: 5677
 Ion Ratio Lower Upper
 166 100
 165 84.4 78.2 117.4
 167 17.2 10.6 16.0#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.929 min Scan# 1714
 Delta R.T. -0.000 min
 Lab File: BN033591.D
 Acq: 23 Aug 2024 15:59

Tgt Ion:188 Resp: 20641
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 13.8 7.8 11.8#





#25

Phenanthrene

Concen: 1.987 ng

RT: 16.967 min Scan# 1717

Delta R.T. -0.000 min

Lab File: BN033591.D

Acq: 23 Aug 2024 15:59

Instrument :

BNA_N

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD

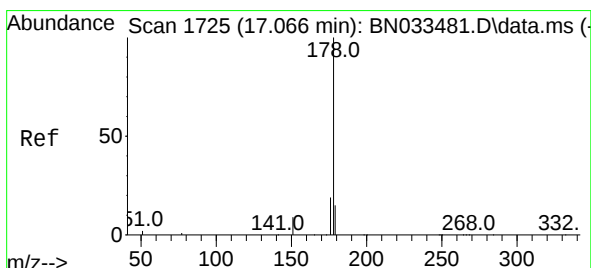
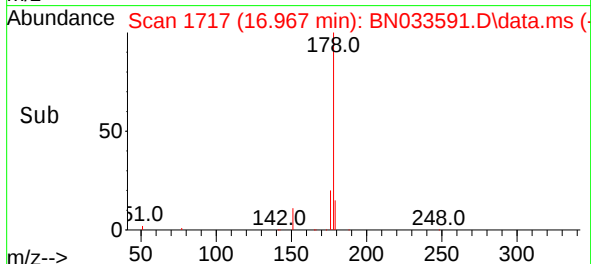
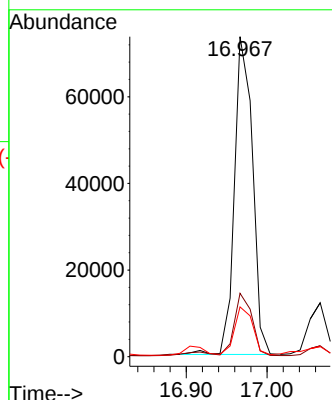
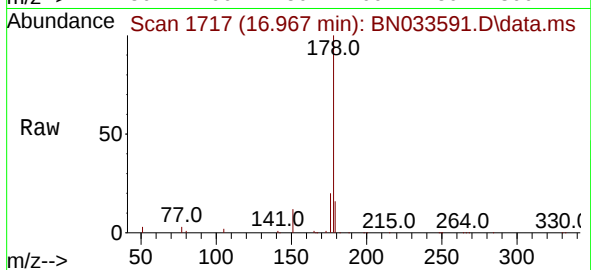
Tgt Ion:178 Resp: 114072

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 14.9 12.3 18.5



#26

Anthracene

Concen: 0.361 ng

RT: 17.066 min Scan# 1725

Delta R.T. -0.000 min

Lab File: BN033591.D

Acq: 23 Aug 2024 15:59

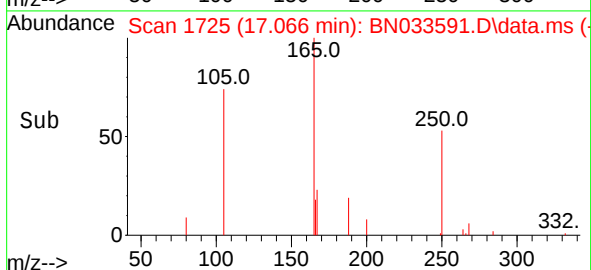
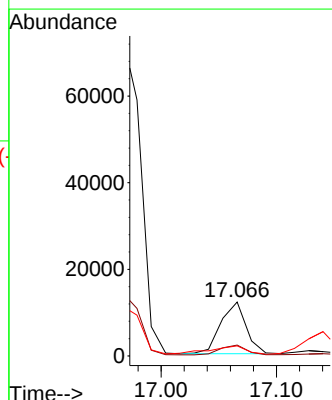
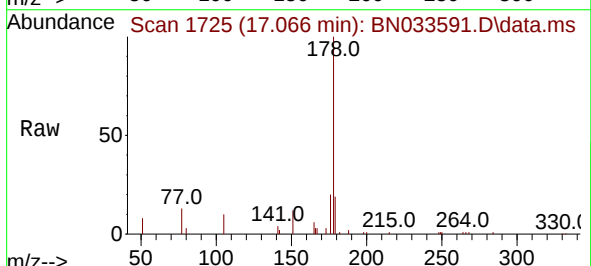
Tgt Ion:178 Resp: 18335

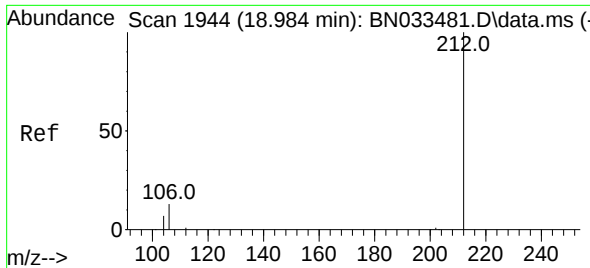
Ion Ratio Lower Upper

178 100

176 19.2 15.0 22.6

179 21.4 12.4 18.6#

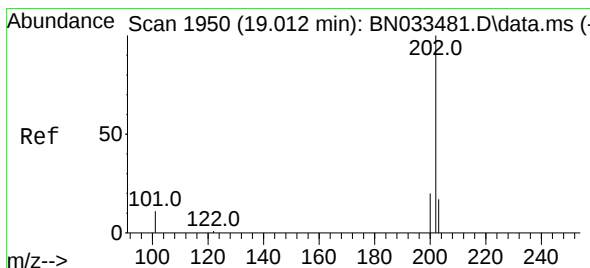
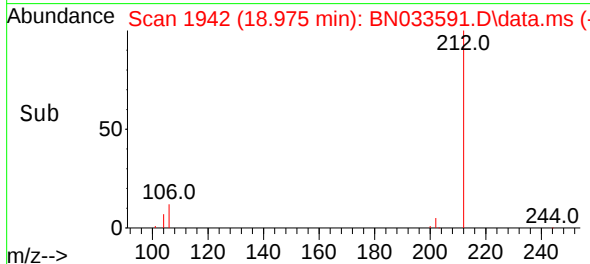
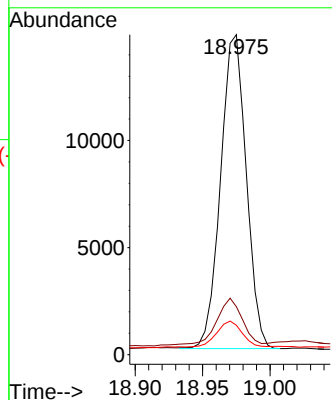
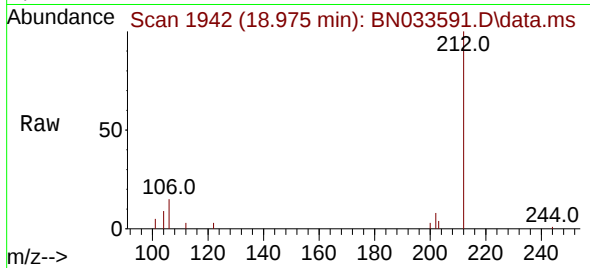




#27
Fluoranthene-d10
Concen: 0.391 ng
RT: 18.975 min Scan# 1942
Delta R.T. 0.005 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

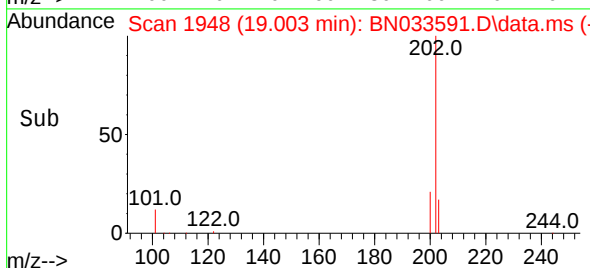
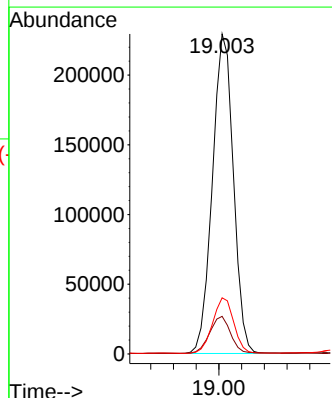
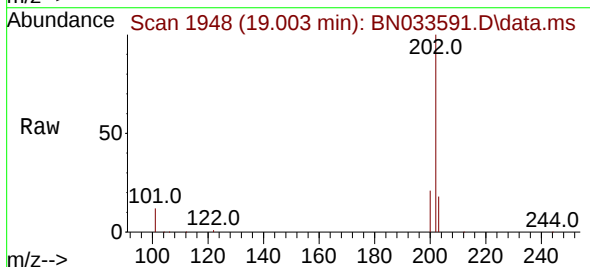
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

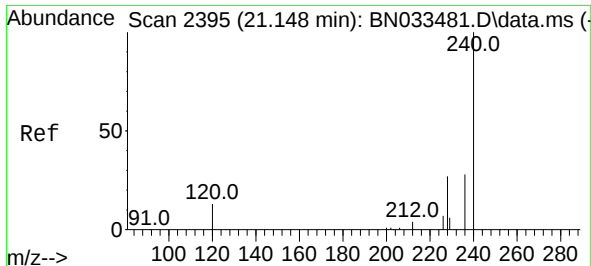
Tgt Ion:212 Resp: 19419
Ion Ratio Lower Upper
212 100
106 15.8 12.3 18.5
104 9.1 7.0 10.4



#28
Fluoranthene
Concen: 4.628 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

Tgt Ion:202 Resp: 293678
Ion Ratio Lower Upper
202 100
101 11.8 9.5 14.3
203 17.4 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.139 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033591.D

Acq: 23 Aug 2024 15:59

Instrument :

BNA_N

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD

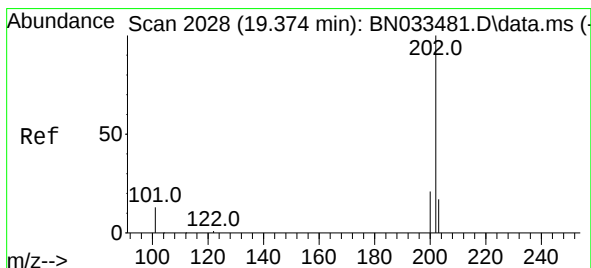
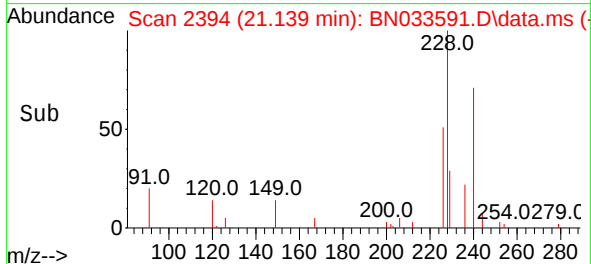
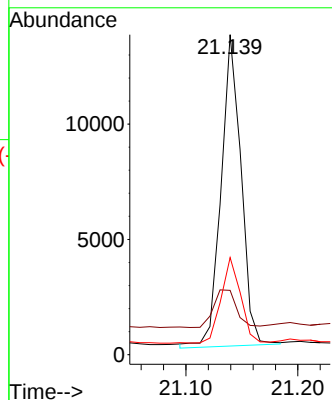
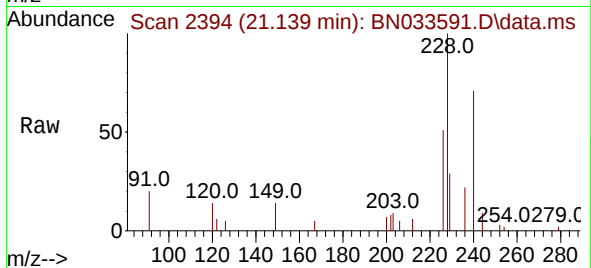
Tgt Ion:240 Resp: 16828

Ion Ratio Lower Upper

240 100

120 20.1 12.4 18.6#

236 30.4 23.0 34.6



#30

Pyrene

Concen: 3.400 ng

RT: 19.365 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BN033591.D

Acq: 23 Aug 2024 15:59

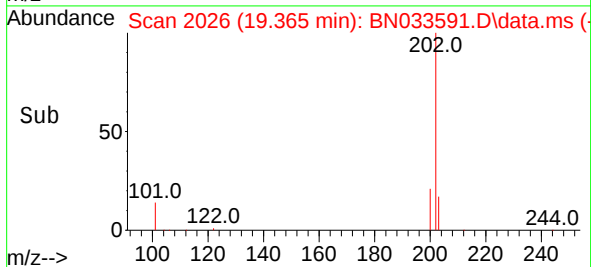
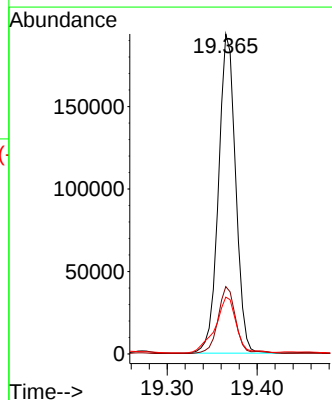
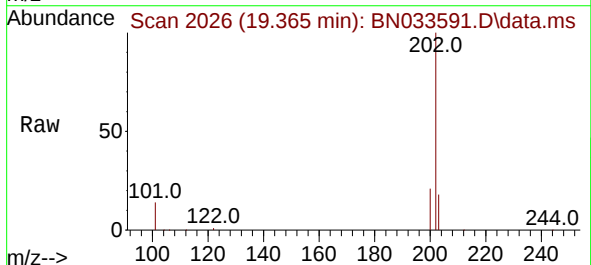
Tgt Ion:202 Resp: 255373

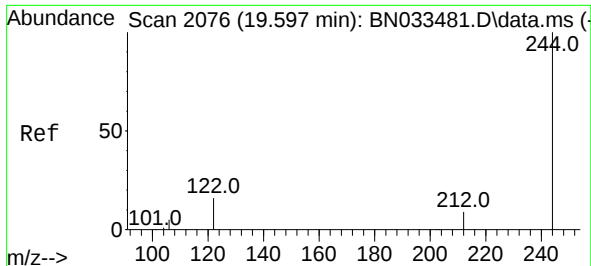
Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 21.4 14.2 21.4#

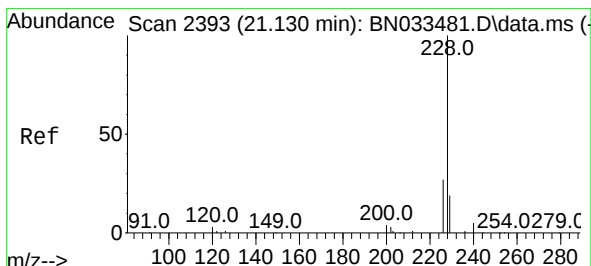
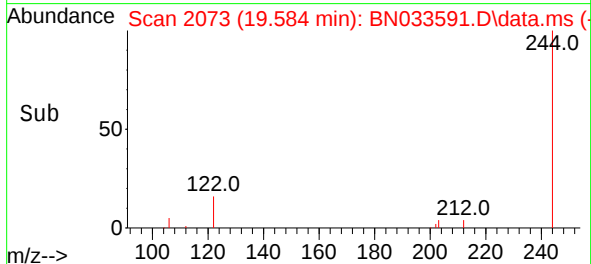
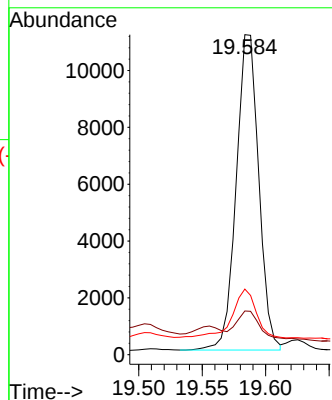
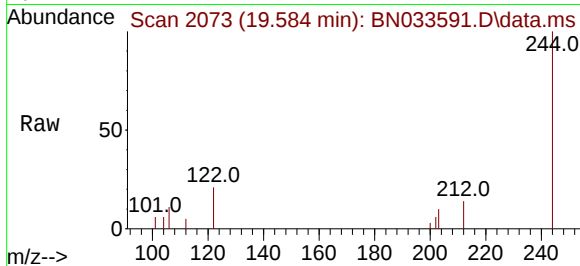




#31
Terphenyl-d14
Concen: 0.359 ng
RT: 19.584 min Scan# 2076
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

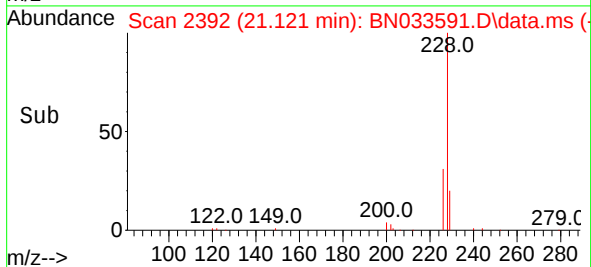
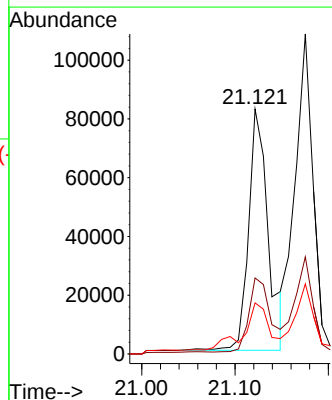
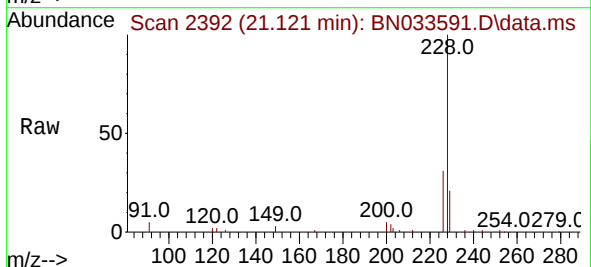
Instrument :
BNA_N
ClientSampleId :
S-911-K1-SO-0-0.5-081924-FD

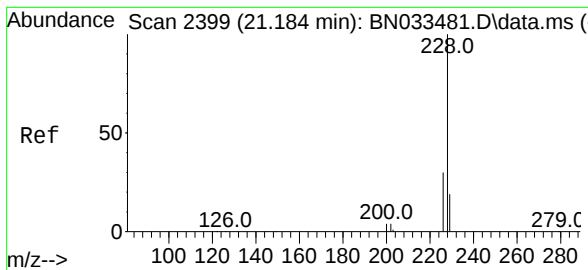
Tgt Ion:244 Resp: 13742
Ion Ratio Lower Upper
244 100
212 13.7 7.8 11.6#
122 20.5 13.3 19.9#



#32
Benzo(a)anthracene
Concen: 1.966 ng
RT: 21.121 min Scan# 2392
Delta R.T. -0.000 min
Lab File: BN033591.D
Acq: 23 Aug 2024 15:59

Tgt Ion:228 Resp: 119594
Ion Ratio Lower Upper
228 100
226 31.0 21.8 32.6
229 20.8 15.8 23.6





#33

Chrysene

Concen: 2.375 ng

RT: 21.175 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN033591.D

Acq: 23 Aug 2024 15:59

Instrument :

BNA_N

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD

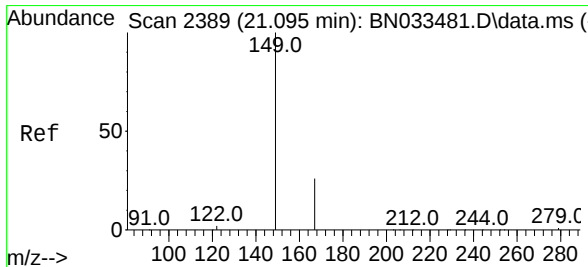
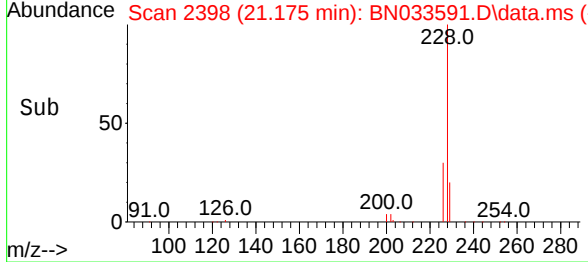
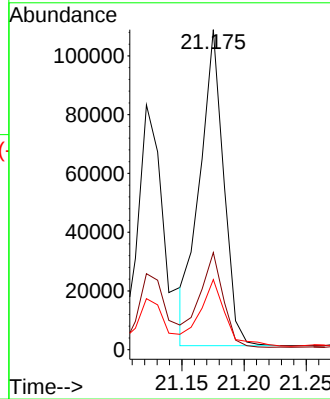
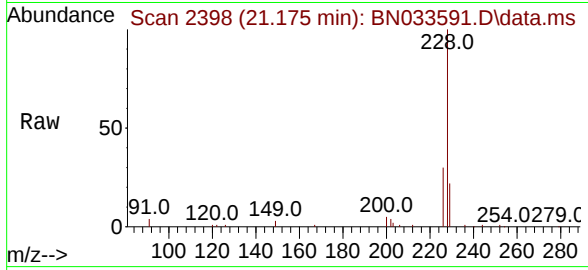
Tgt Ion:228 Resp: 143608

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.8

229 21.9 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.924 ng

RT: 21.086 min Scan# 2388

Delta R.T. -0.000 min

Lab File: BN033591.D

Acq: 23 Aug 2024 15:59

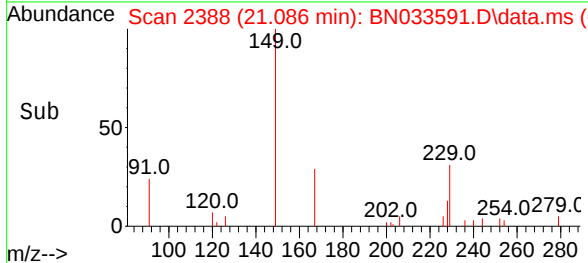
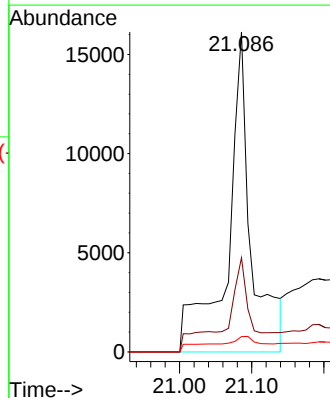
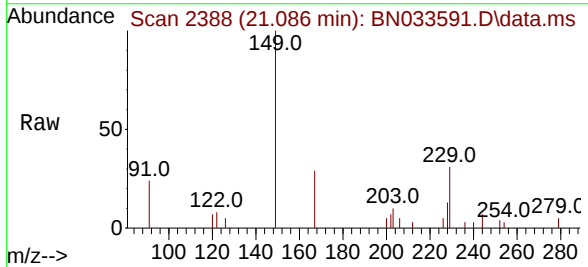
Tgt Ion:149 Resp: 35602

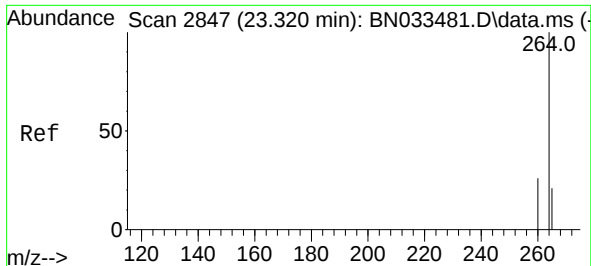
Ion Ratio Lower Upper

149 100

167 30.8 21.5 32.3

279 10.3 2.2 3.2#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.309 min Scan# 21

Delta R.T. 0.006 min

Lab File: BN033591.D

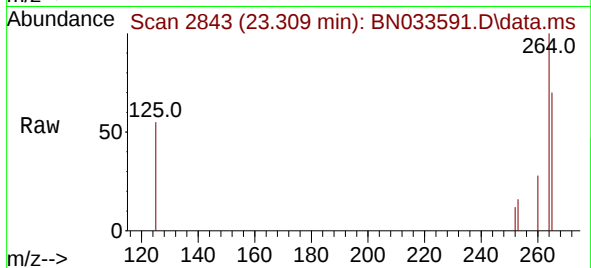
Acq: 23 Aug 2024 15:59

Instrument :

BNA_N

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD



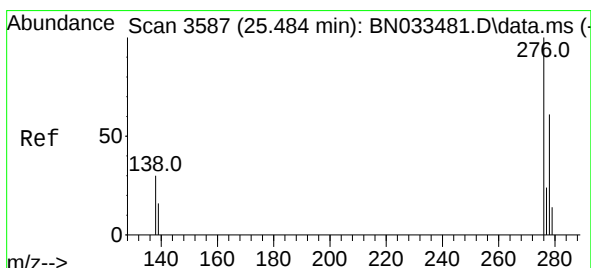
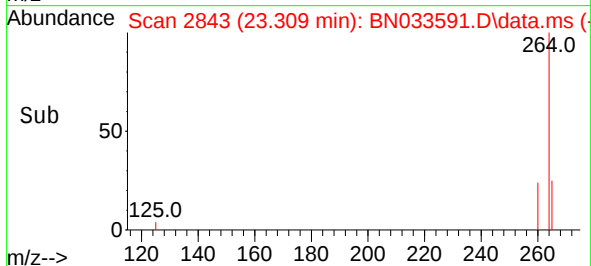
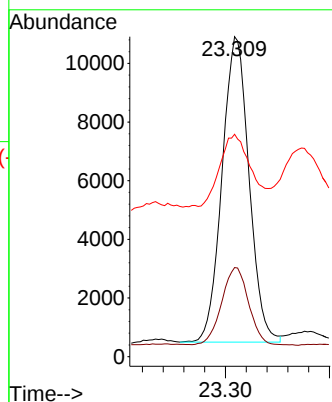
Tgt Ion:264 Resp: 18757

Ion Ratio Lower Upper

264 100

260 27.8 20.8 31.2

265 69.5 52.2 78.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.416 ng

RT: 25.461 min Scan# 3579

Delta R.T. 0.012 min

Lab File: BN033591.D

Acq: 23 Aug 2024 15:59

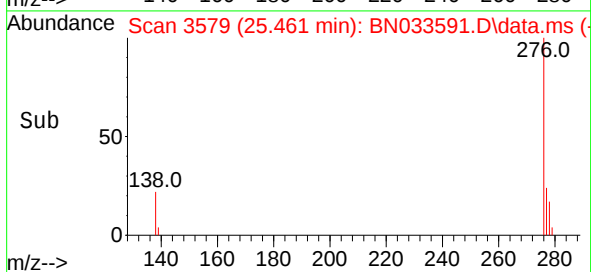
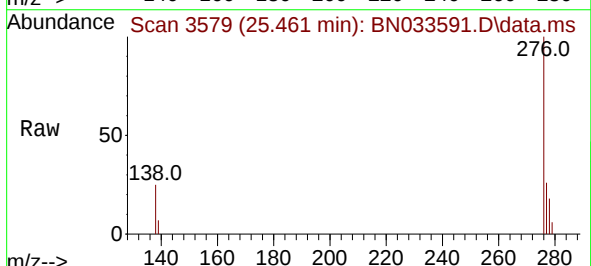
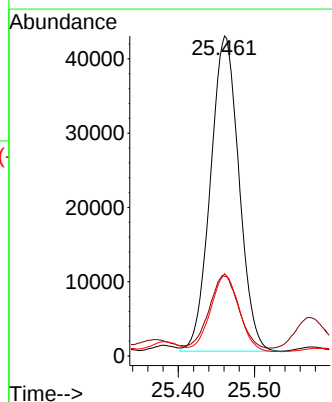
Tgt Ion:276 Resp: 110265

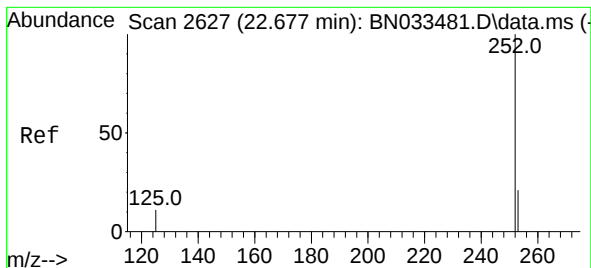
Ion Ratio Lower Upper

276 100

138 23.6 24.4 36.6#

277 24.6 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 3.068 ng

RT: 22.668 min Scan# 2624

Delta R.T. 0.009 min

Lab File: BN033591.D

Acq: 23 Aug 2024 15:59

Instrument :

BNA_N

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD

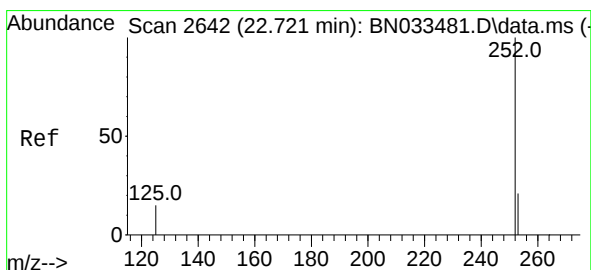
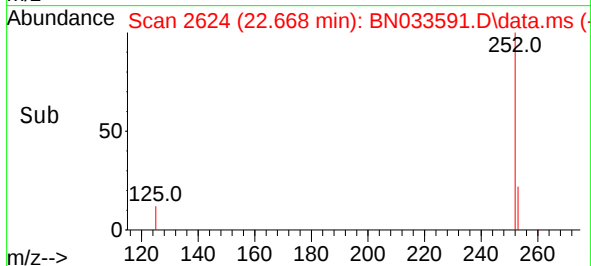
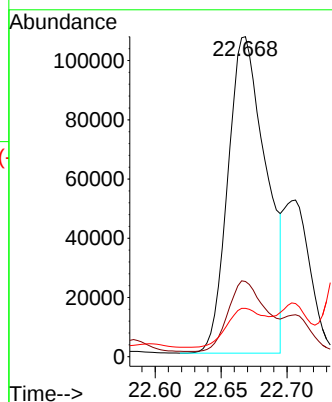
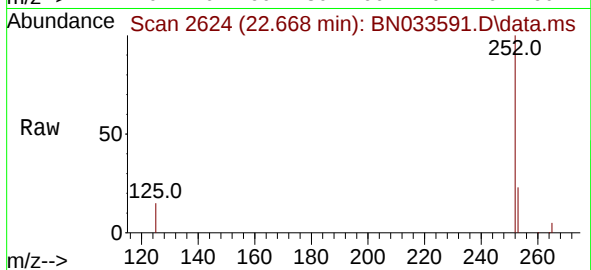
Tgt Ion:252 Resp: 214874

Ion Ratio Lower Upper

252 100

253 23.5 19.8 29.8

125 15.1 13.9 20.9



#38

Benzo(k)fluoranthene

Concen: 3.117 ng

RT: 22.668 min Scan# 2624

Delta R.T. -0.035 min

Lab File: BN033591.D

Acq: 23 Aug 2024 15:59

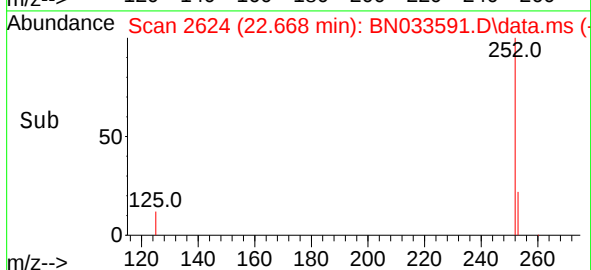
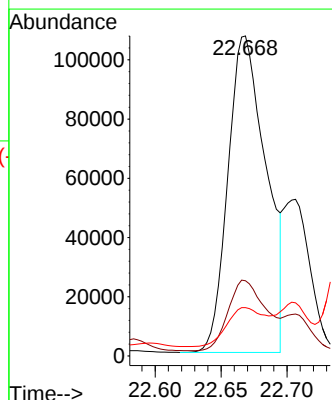
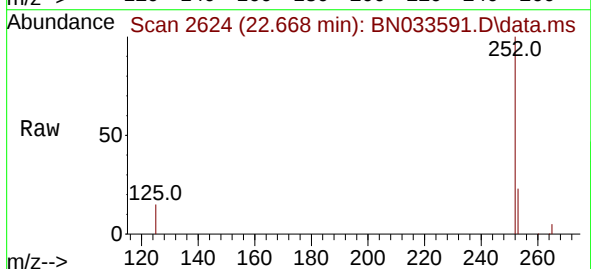
Tgt Ion:252 Resp: 214874

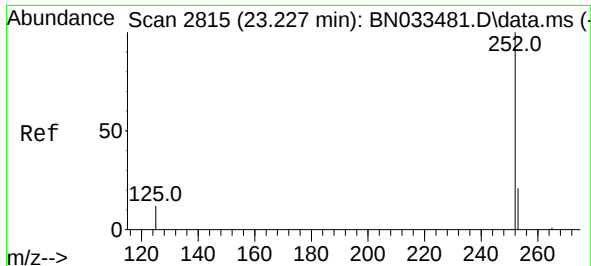
Ion Ratio Lower Upper

252 100

253 23.5 19.8 29.8

125 15.1 15.8 23.8#





#39

Benzo(a)pyrene

Concen: 1.845 ng

RT: 23.125 min Scan# 21

Delta R.T. -0.085 min

Lab File: BN033591.D

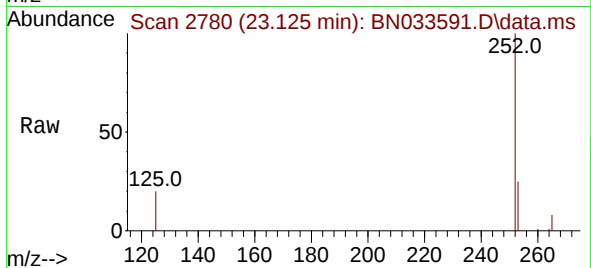
Acq: 23 Aug 2024 15:59

Instrument :

BNA_N

ClientSampleId :

S-911-K1-SO-0-0.5-081924-FD



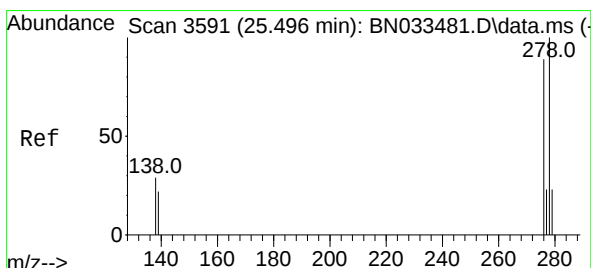
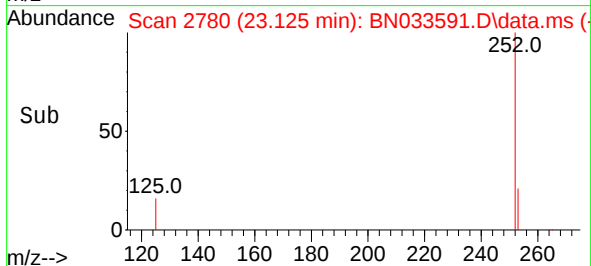
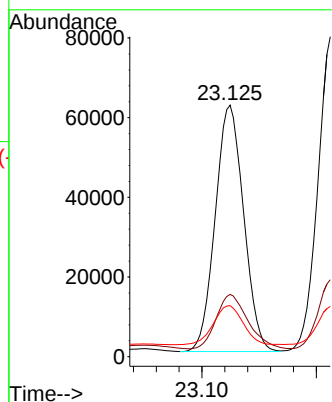
Tgt Ion:252 Resp: 106942

Ion Ratio Lower Upper

252 100

253 24.7 21.5 32.3

125 20.3 17.0 25.4



#40

Dibenzo(a,h)anthracene

Concen: 0.403 ng

RT: 25.475 min Scan# 3584

Delta R.T. 0.006 min

Lab File: BN033591.D

Acq: 23 Aug 2024 15:59

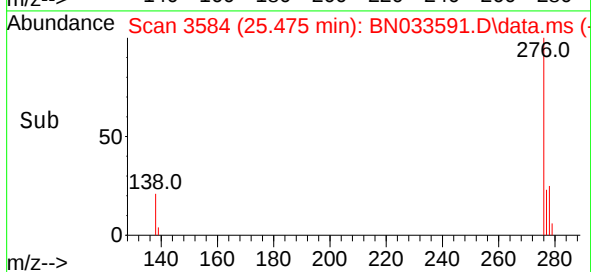
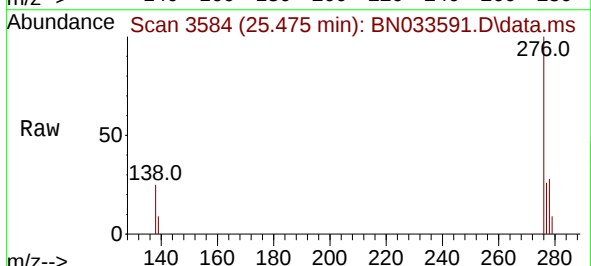
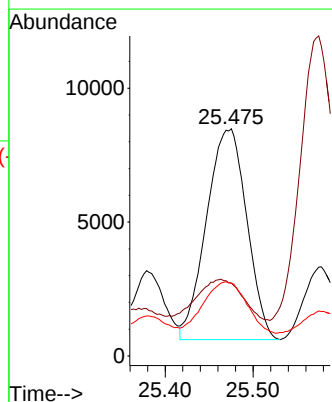
Tgt Ion:278 Resp: 25089

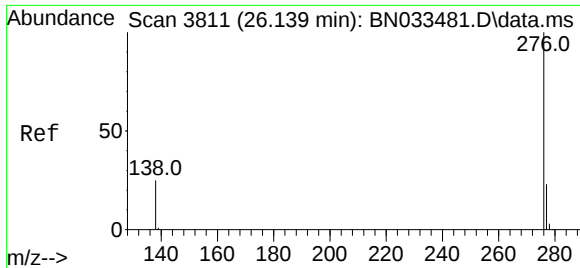
Ion Ratio Lower Upper

278 100

139 32.0 19.1 28.7#

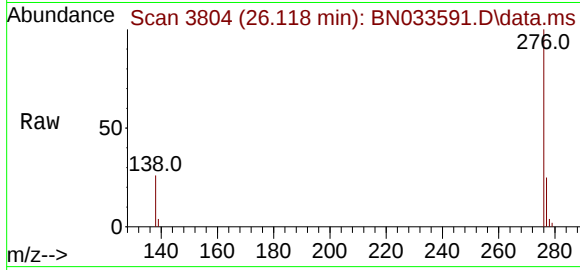
279 32.1 21.0 31.4#





#41
 Benzo(g,h,i)perylene
 Concen: 1.655 ng
 RT: 26.118 min Scan# 3804
 Delta R.T. 0.015 min
 Lab File: BN033591.D
 Acq: 23 Aug 2024 15:59

Instrument :
 BNA_N
 ClientSampleId :
 S-911-K1-SO-0-0.5-081924-FD



Tgt Ion:	276	Resp:	110193
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.7	29.5
138	26.0	21.8	32.6

