

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082024\
 Data File : BN033512.D
 Acq On : 20 Aug 2024 18:52
 Operator : MA/JU
 Sample : P3645-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 914-J-WS-081524

Quant Time: Aug 20 23:21:38 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

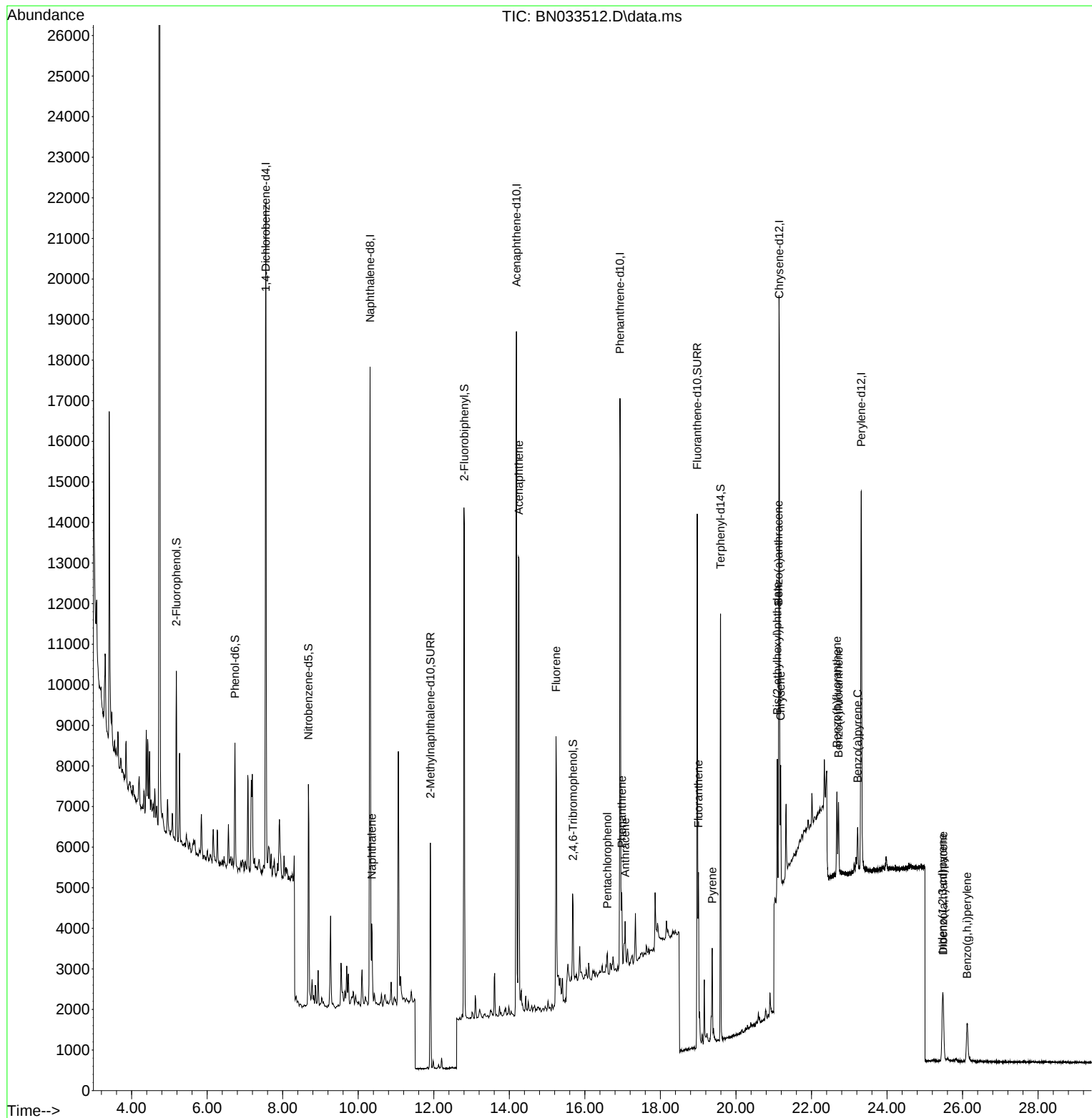
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.552	152	7581	0.400	ng	0.00
7) Naphthalene-d8	10.314	136	20168	0.400	ng	# 0.00
13) Acenaphthene-d10	14.189	164	10160	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20244	0.400	ng	#-0.01
29) Chrysene-d12	21.148	240	12892	0.400	ng	# 0.00
35) Perylene-d12	23.315	264	12153	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	2994	0.124	ng	0.00
5) Phenol-d6	6.736	99	2517	0.088	ng	0.00
8) Nitrobenzene-d5	8.681	82	4096	0.245	ng	-0.01
11) 2-Methylnaphthalene-d10	11.911	152	7412	0.257	ng	0.00
14) 2,4,6-Tribromophenol	15.688	330	1161	0.213	ng	0.00
15) 2-Fluorobiphenyl	12.810	172	11438	0.276	ng	0.00
27) Fluoranthene-d10	18.975	212	13730	0.282	ng	0.00
31) Terphenyl-d14	19.593	244	9371	0.320	ng	0.00
Target Compounds						
9) Naphthalene	10.357	128	2463	0.046	ng	# 92
17) Acenaphthene	14.253	154	5851	0.187	ng	97
18) Fluorene	15.236	166	6857	0.174	ng	# 62
24) Pentachlorophenol	16.594	266	252	0.043	ng	96
25) Phenanthrene	16.979	178	1898	0.034	ng	96
26) Anthracene	17.066	178	1043	0.021	ng	# 83
28) Fluoranthene	19.008	202	3827	0.061	ng	99
30) Pyrene	19.370	202	2090	0.036	ng	# 95
32) Benzo(a)anthracene	21.130	228	1869	0.040	ng	# 90
33) Chrysene	21.184	228	2847	0.061	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.095	149	3035	0.103	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.469	276	2092	0.041	ng	97
37) Benzo(b)fluoranthene	22.671	252	2441	0.054	ng	# 43
38) Benzo(k)fluoranthene	22.715	252	2037	0.046	ng	# 38
39) Benzo(a)pyrene	23.221	252	1545	0.041	ng	# 11
40) Dibenzo(a,h)anthracene	25.487	278	1593	0.039	ng	# 54
41) Benzo(g,h,i)perylene	26.121	276	1802	0.042	ng	# 74

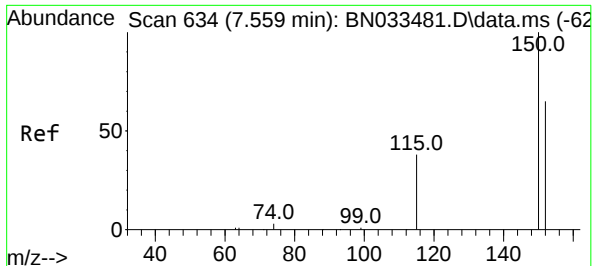
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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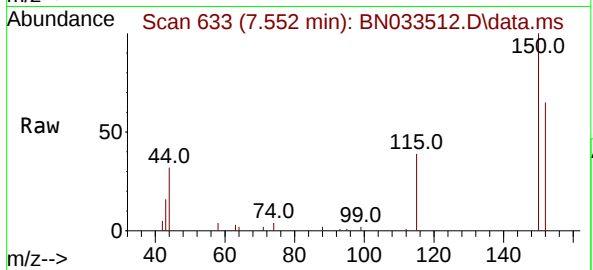
Quant Time: Aug 20 23:21:38 2024
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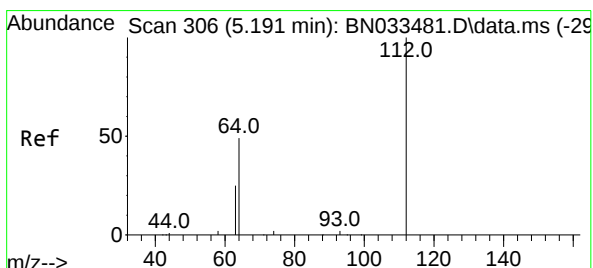
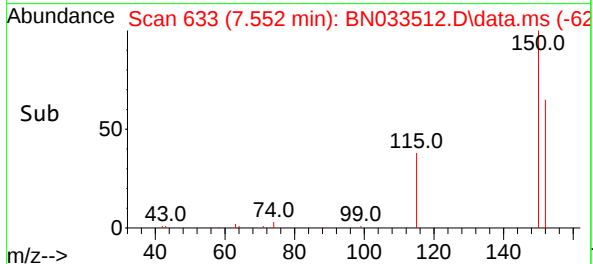
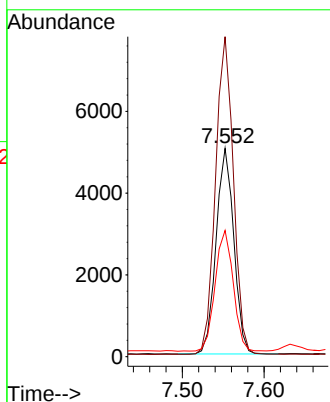


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.552 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

Instrument :
BNA_N
ClientSampleId :
914-J-WS-081524

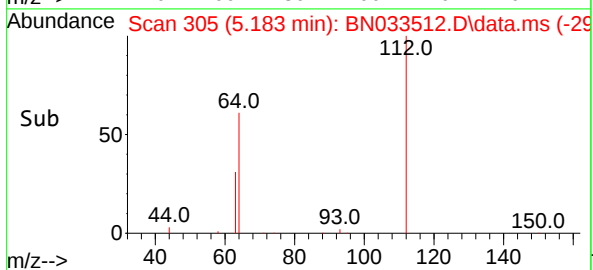
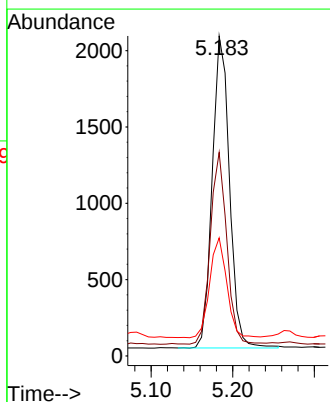
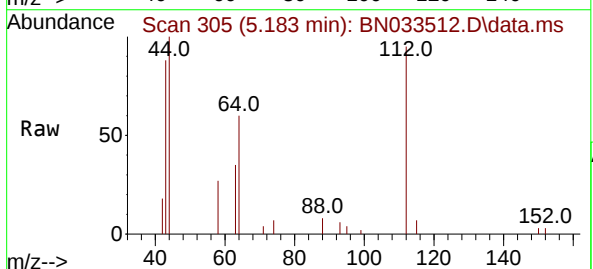


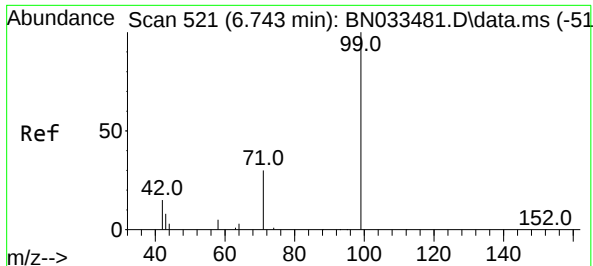
Tgt Ion:152 Resp: 7581
Ion Ratio Lower Upper
152 100
150 153.6 122.2 183.2
115 60.6 47.2 70.8



#4
2-Fluorophenol
Concen: 0.124 ng
RT: 5.183 min Scan# 305
Delta R.T. -0.007 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

Tgt Ion:112 Resp: 2994
Ion Ratio Lower Upper
112 100
64 58.8 47.1 70.7
63 31.8 24.9 37.3

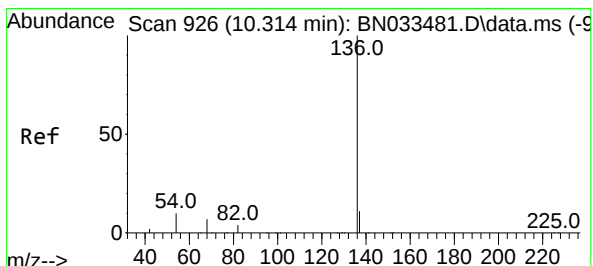
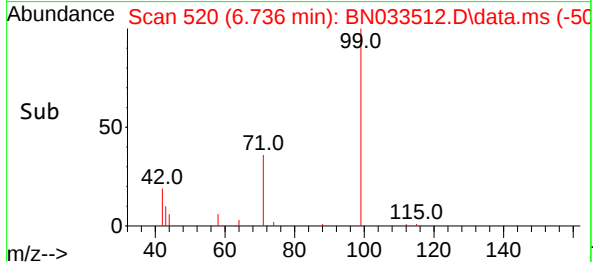
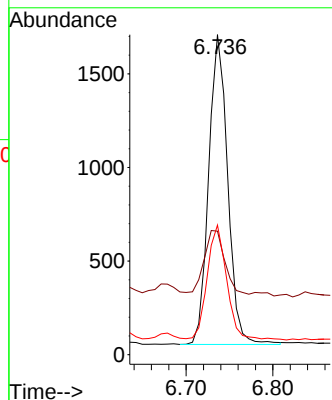
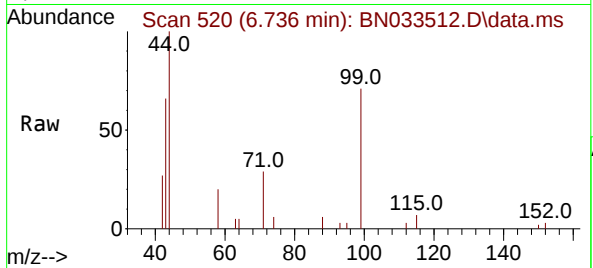




#5
Phenol-d6
Concen: 0.088 ng
RT: 6.736 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

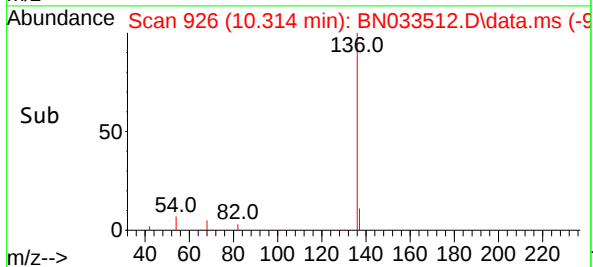
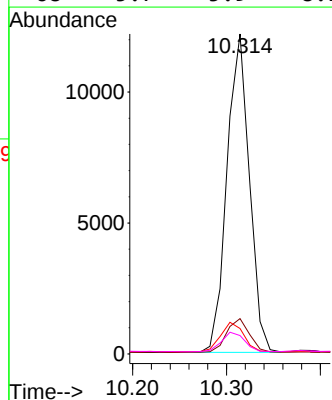
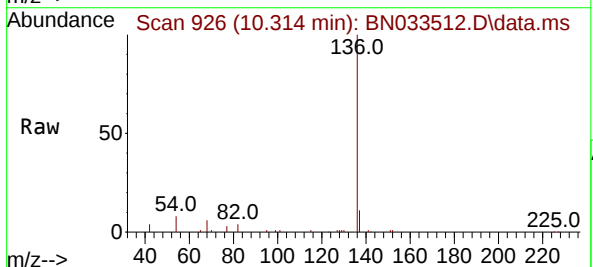
Instrument :
BNA_N
ClientSampleId :
914-J-WS-081524

Tgt Ion: 99 Resp: 2517
Ion Ratio Lower Upper
99 100
42 22.1 16.6 24.8
71 37.2 26.2 39.4



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.314 min Scan# 926
Delta R.T. 0.000 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

Tgt Ion: 136 Resp: 20168
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 8.0 8.3 12.5#
68 5.7 5.9 8.9#

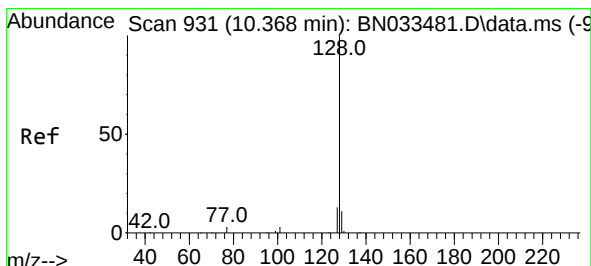
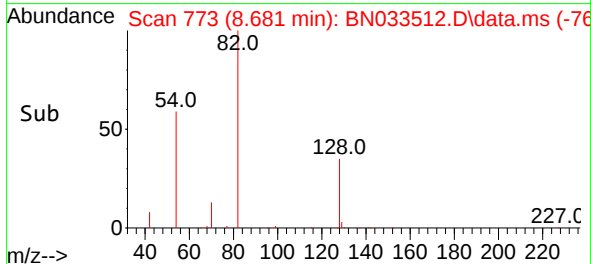
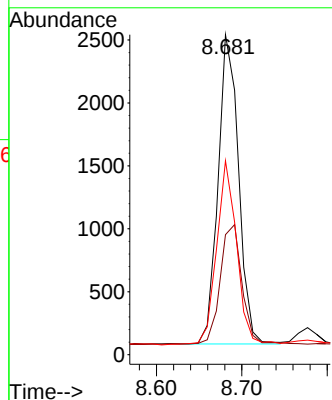
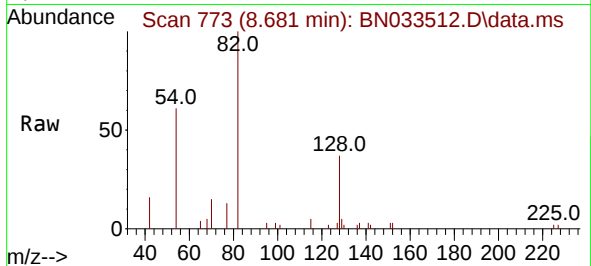




#8
Nitrobenzene-d5
Concen: 0.245 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

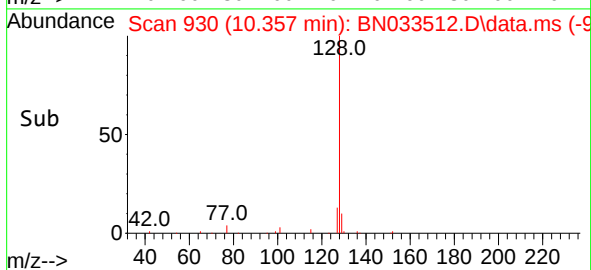
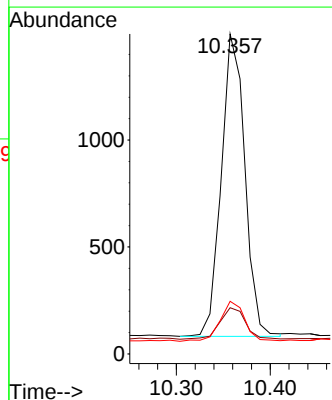
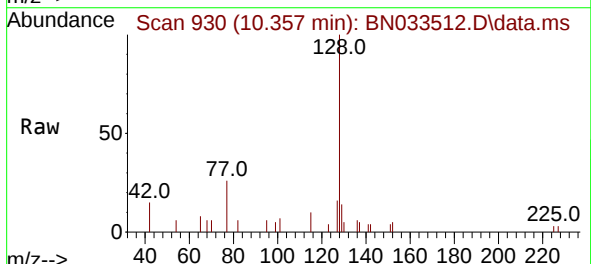
Instrument :
BNA_N
ClientSampleId :
914-J-WS-081524

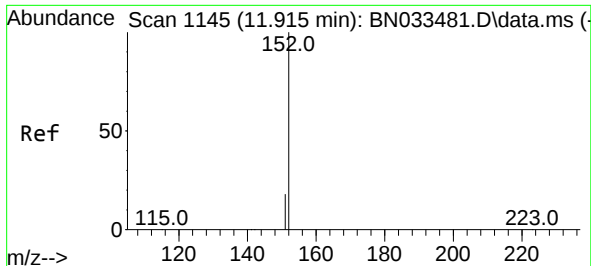
Tgt Ion: 82 Resp: 4096
Ion Ratio Lower Upper
82 100
128 37.5 36.0 54.0
54 60.6 42.0 63.0



#9
Naphthalene
Concen: 0.046 ng
RT: 10.357 min Scan# 930
Delta R.T. -0.011 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

Tgt Ion: 128 Resp: 2463
Ion Ratio Lower Upper
128 100
129 14.4 9.1 13.7#
127 16.4 10.7 16.1#

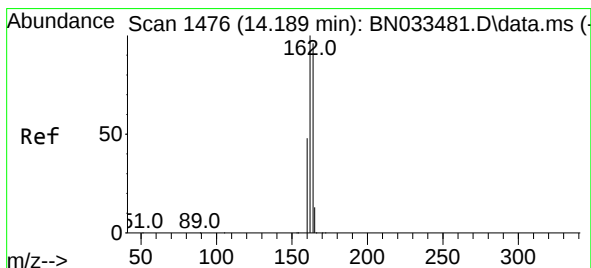
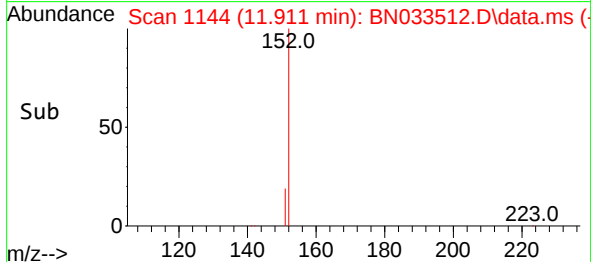
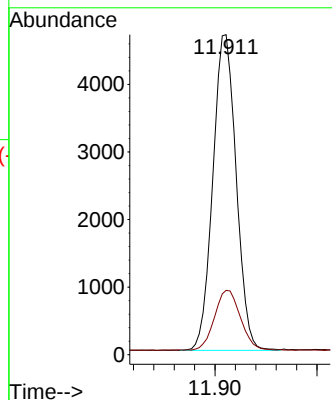
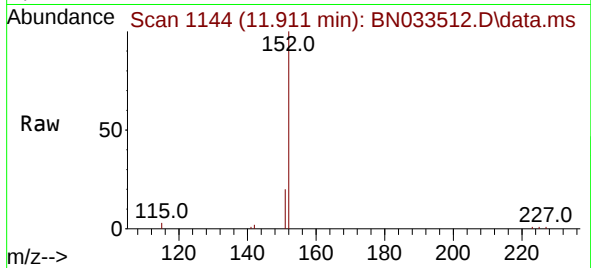




#11
2-Methylnaphthalene-d10
Concen: 0.257 ng
RT: 11.911 min Scan# 1144
Delta R.T. -0.004 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

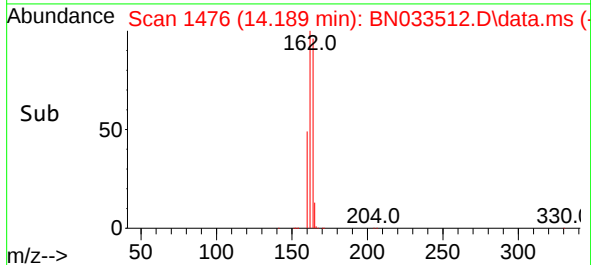
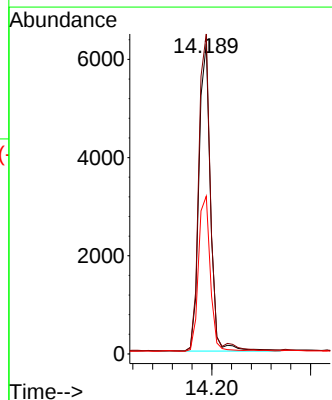
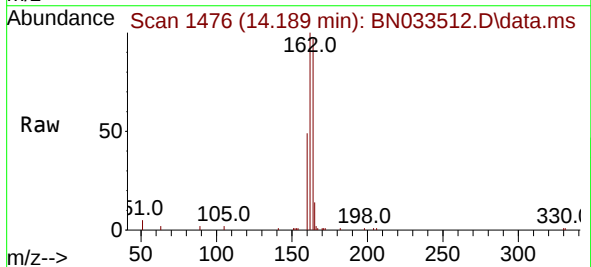
Instrument :
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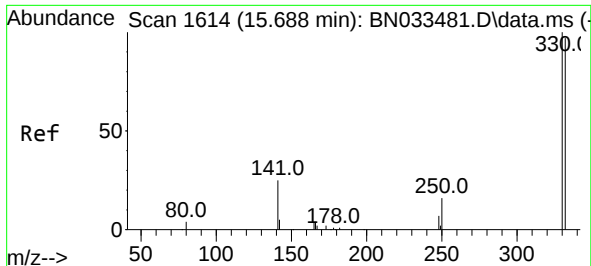
Tgt Ion:152 Resp: 7412
Ion Ratio Lower Upper
152 100
151 21.2 16.6 25.0



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.189 min Scan# 1476
Delta R.T. 0.000 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

Tgt Ion:164 Resp: 10160
Ion Ratio Lower Upper
164 100
162 103.1 83.5 125.3
160 50.8 40.2 60.4

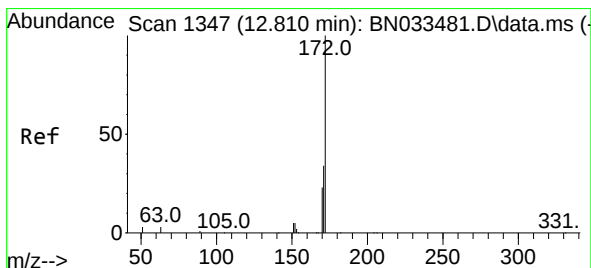
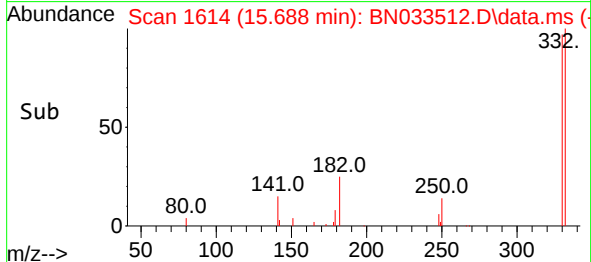
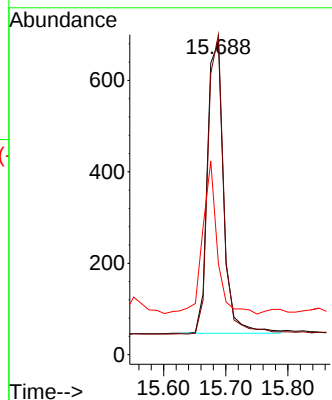
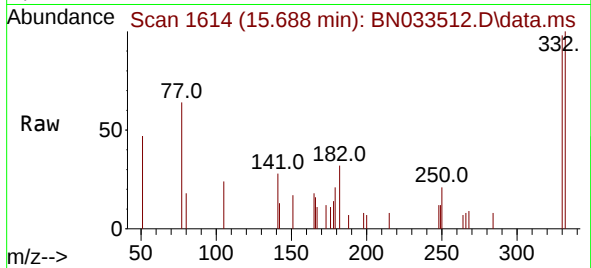




#14
2,4,6-Tribromophenol
Concen: 0.213 ng
RT: 15.688 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

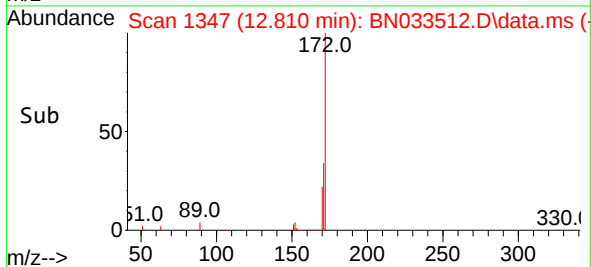
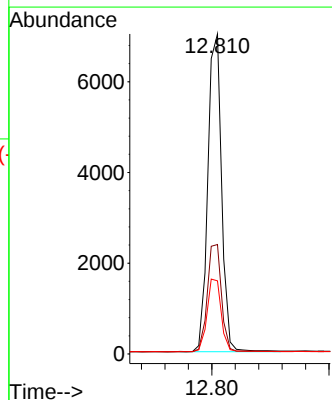
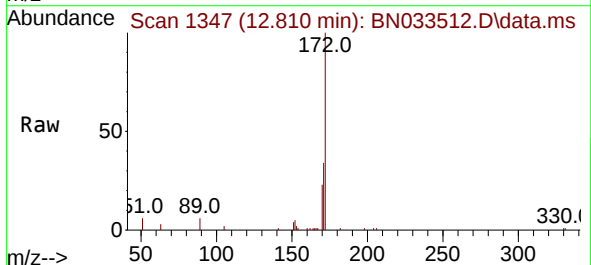
Instrument :
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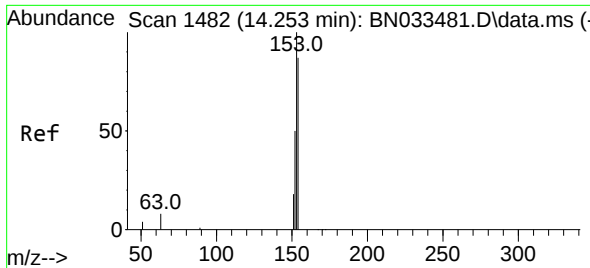
Tgt Ion:	330	Resp:	1161
Ion Ratio	Lower	Upper	
330	100		
332	99.3	77.5	116.3
141	47.0	33.9	50.9



#15
2-Fluorobiphenyl
Concen: 0.276 ng
RT: 12.810 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

Tgt Ion:	172	Resp:	11438
Ion Ratio	Lower	Upper	
172	100		
171	34.2	27.7	41.5
170	22.9	18.3	27.5

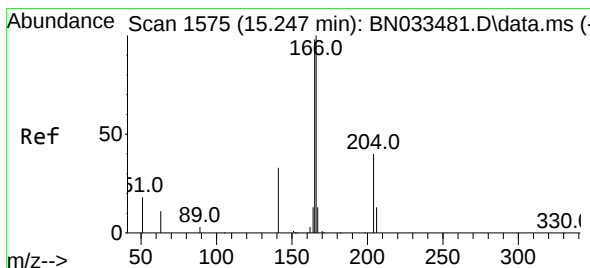
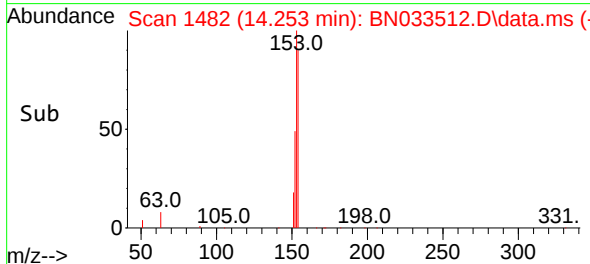
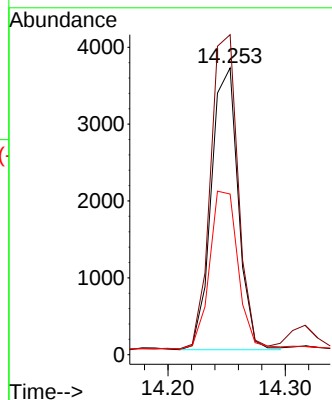
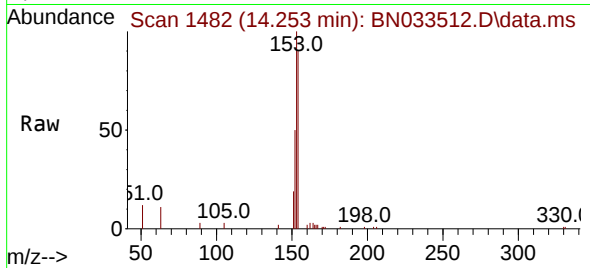




#17
Acenaphthene
Concen: 0.187 ng
RT: 14.253 min Scan# 1482
Delta R.T. 0.000 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

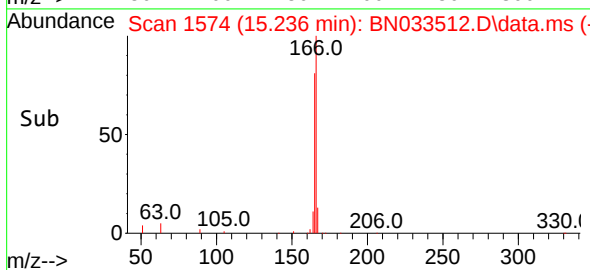
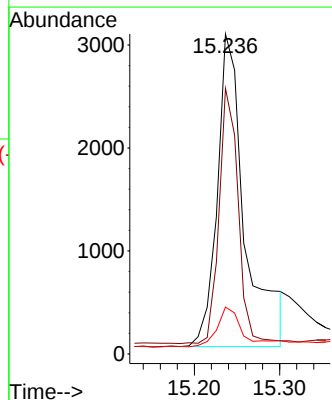
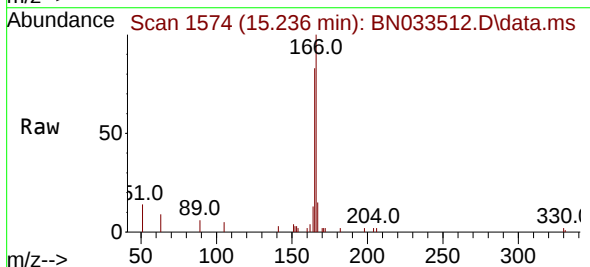
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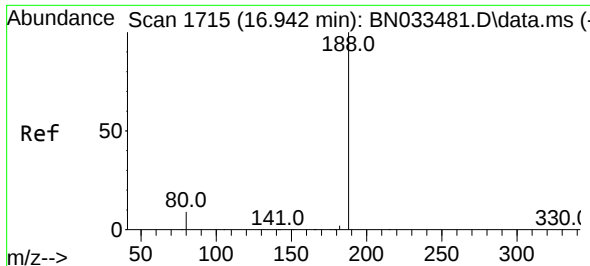
Tgt Ion:154 Resp: 5851
Ion Ratio Lower Upper
154 100
153 114.0 89.0 133.6
152 58.8 45.2 67.8



#18
Fluorene
Concen: 0.174 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

Tgt Ion:166 Resp: 6857
Ion Ratio Lower Upper
166 100
165 56.0 78.2 117.4#
167 11.0 10.6 16.0

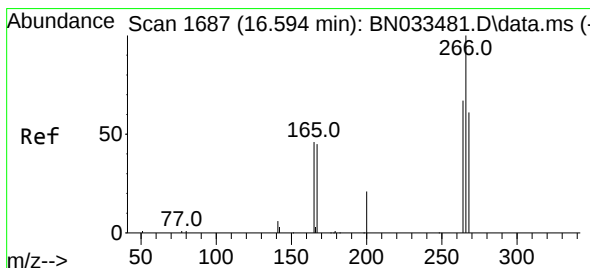
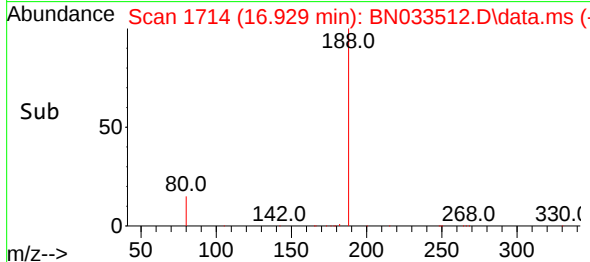
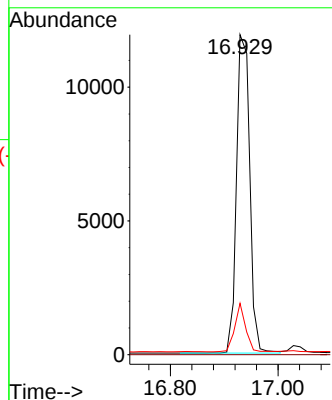
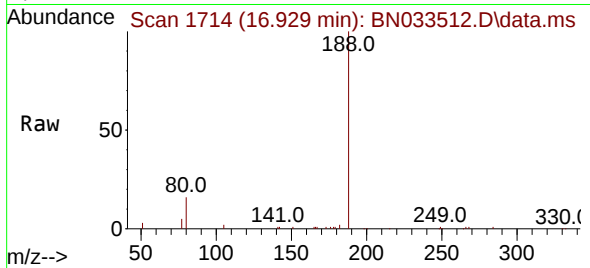




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.012 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

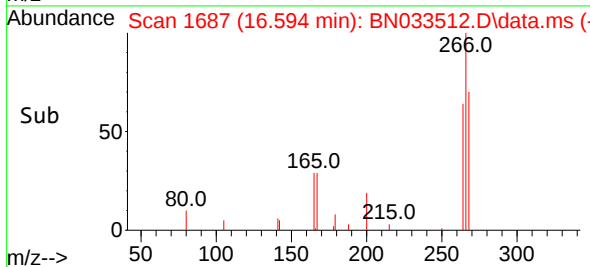
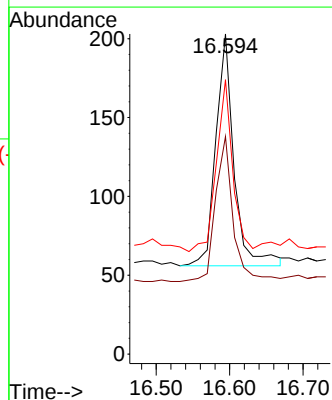
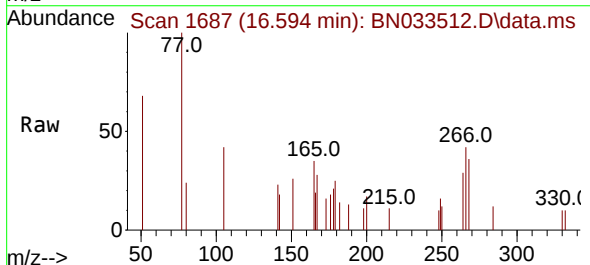
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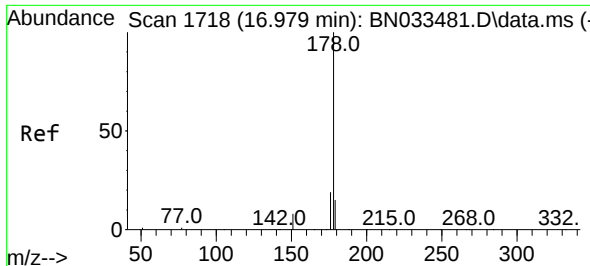
Tgt Ion:188 Resp: 20244
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.0 7.8 11.8#



#24
Pentachlorophenol
Concen: 0.043 ng
RT: 16.594 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

Tgt Ion:266 Resp: 252
Ion Ratio Lower Upper
266 100
264 61.1 51.9 77.9
268 66.3 51.0 76.4

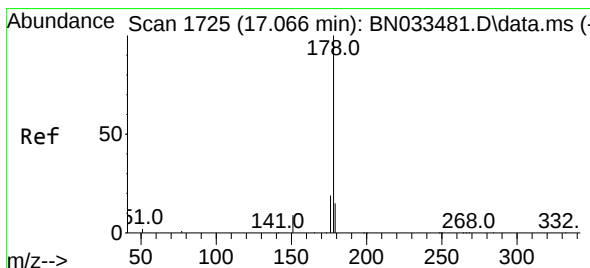
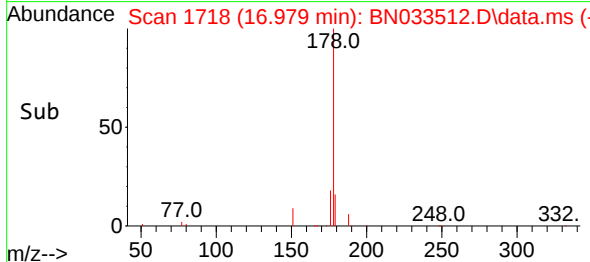
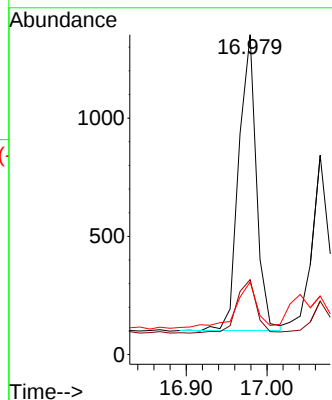
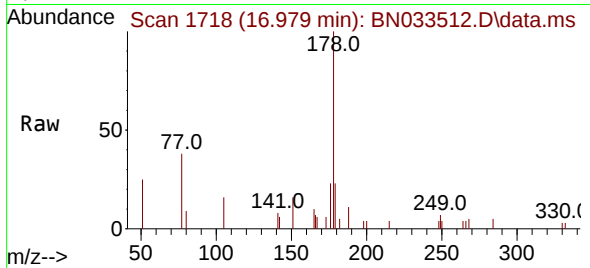




#25
Phenanthrene
Concen: 0.034 ng
RT: 16.979 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

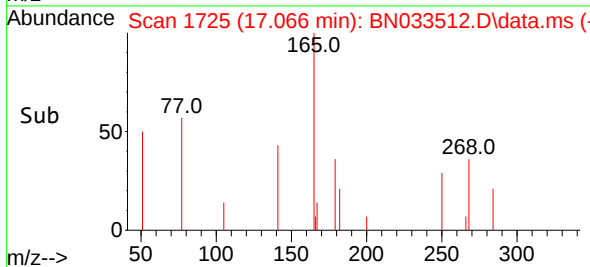
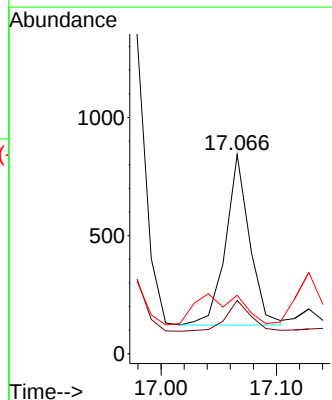
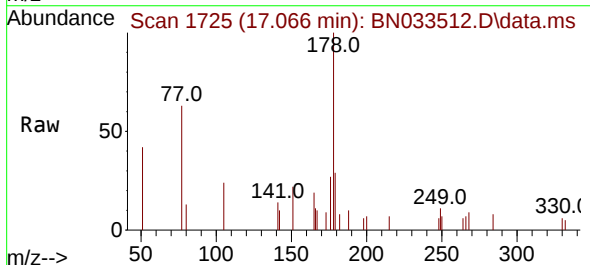
Instrument :
BNA_N
ClientSampleId :
914-J-WS-081524

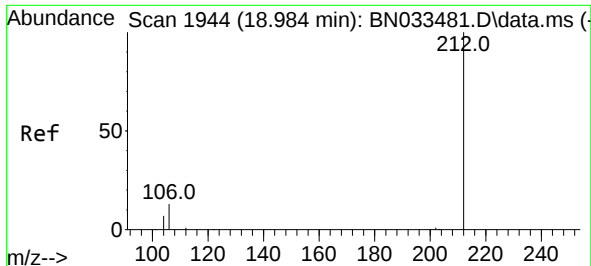
Tgt Ion:178 Resp: 1898
Ion Ratio Lower Upper
178 100
176 20.2 15.3 22.9
179 17.4 12.3 18.5



#26
Anthracene
Concen: 0.021 ng
RT: 17.066 min Scan# 1725
Delta R.T. 0.000 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

Tgt Ion:178 Resp: 1043
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 0.0 12.4 18.6#

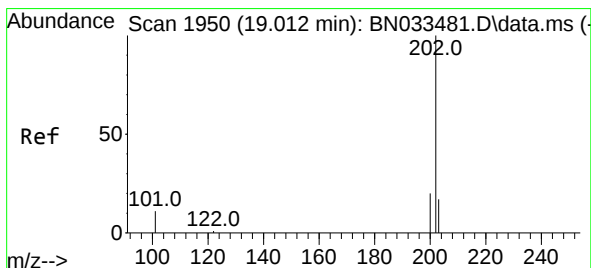
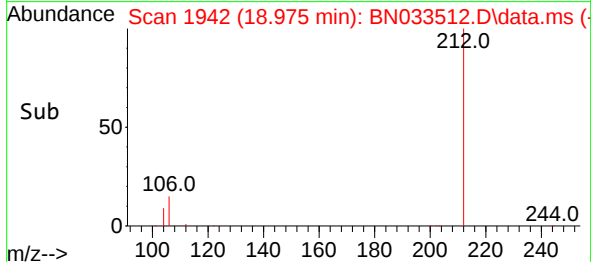
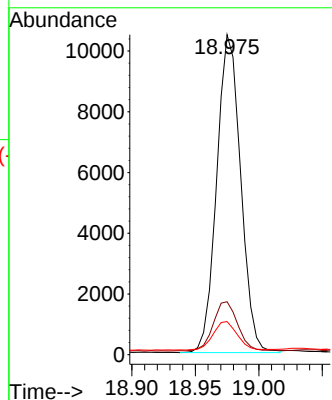
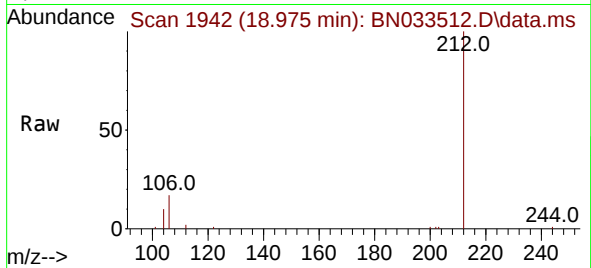




#27
Fluoranthene-d10
Concen: 0.282 ng
RT: 18.975 min Scan# 1942
Delta R.T. -0.009 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

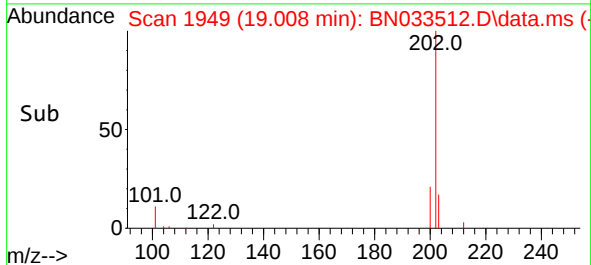
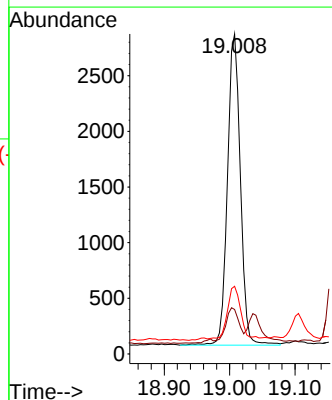
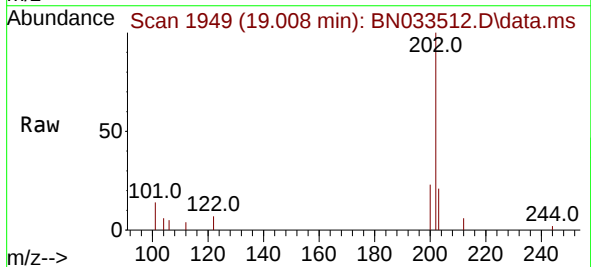
Instrument :
BNA_N
ClientSampleId :
914-J-WS-081524

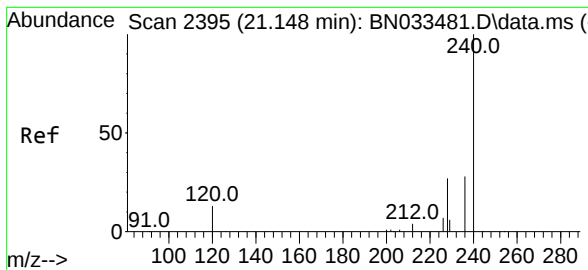
Tgt Ion:212 Resp: 13730
Ion Ratio Lower Upper
212 100
106 15.9 12.3 18.5
104 9.0 7.0 10.4



#28
Fluoranthene
Concen: 0.061 ng
RT: 19.008 min Scan# 1949
Delta R.T. -0.005 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

Tgt Ion:202 Resp: 3827
Ion Ratio Lower Upper
202 100
101 11.3 9.5 14.3
203 17.3 13.8 20.6





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.148 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN033512.D

Acq: 20 Aug 2024 18:52

Instrument :

BNA_N

ClientSampleId :

914-J-WS-081524

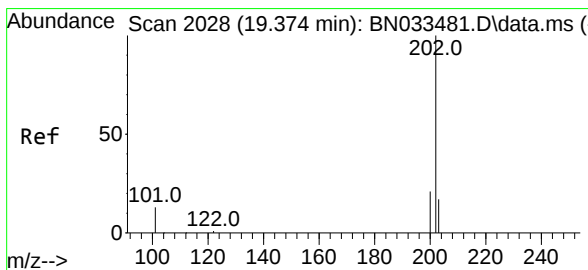
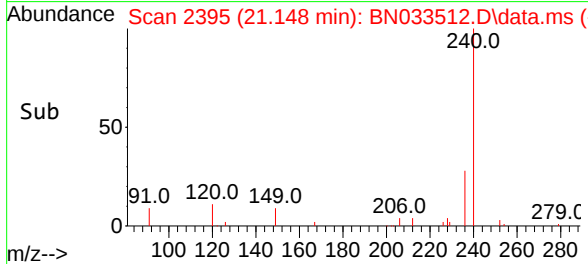
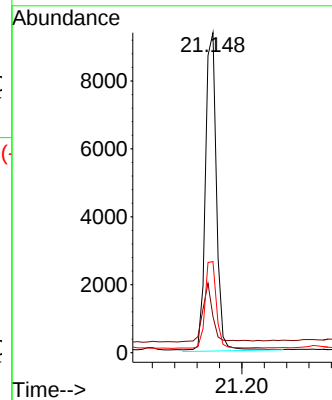
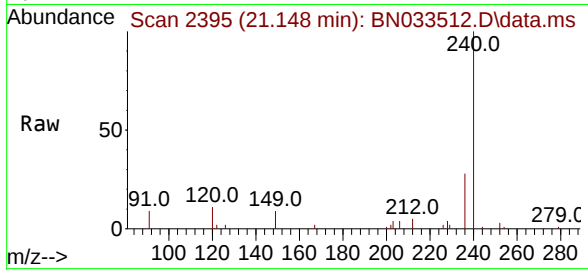
Tgt Ion:240 Resp: 12892

Ion Ratio Lower Upper

240 100

120 11.3 12.4 18.6#

236 28.4 23.0 34.6



#30

Pyrene

Concen: 0.036 ng

RT: 19.370 min Scan# 2027

Delta R.T. -0.005 min

Lab File: BN033512.D

Acq: 20 Aug 2024 18:52

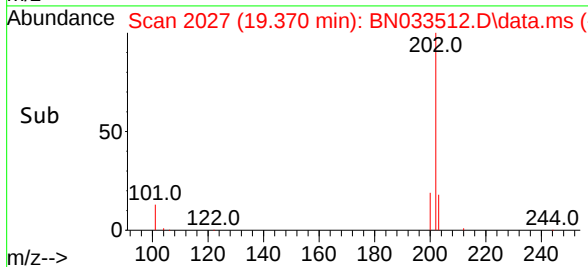
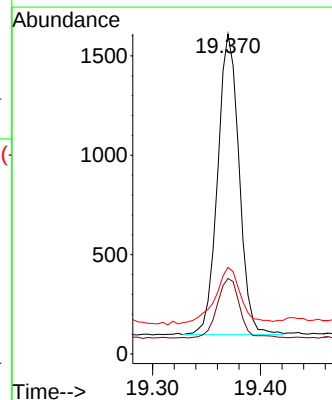
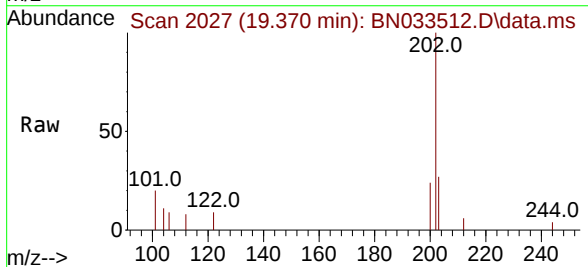
Tgt Ion:202 Resp: 2090

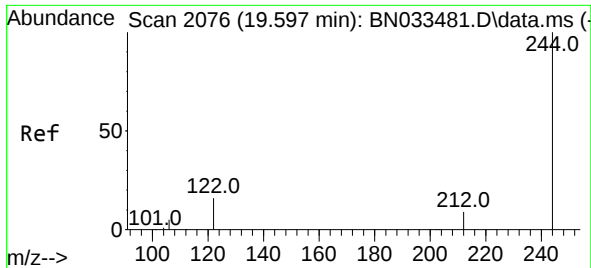
Ion Ratio Lower Upper

202 100

200 20.9 16.6 24.8

203 22.5 14.2 21.4#

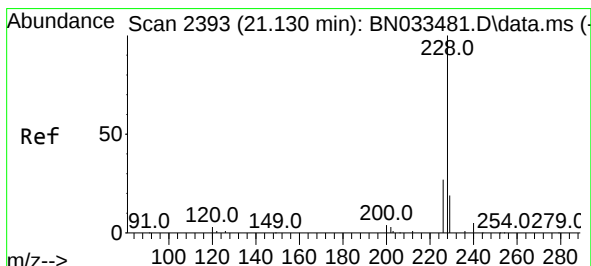
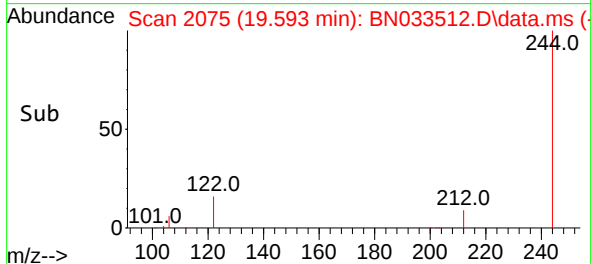
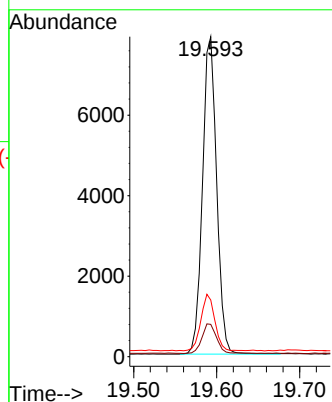
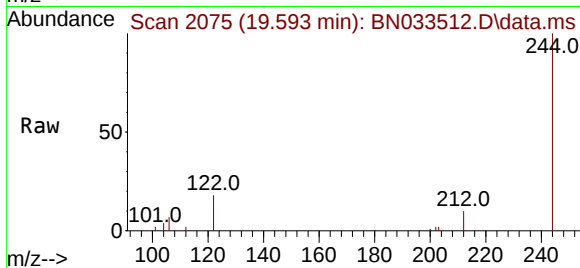




#31
Terphenyl-d14
Concen: 0.320 ng
RT: 19.593 min Scan# 2076
Delta R.T. -0.005 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

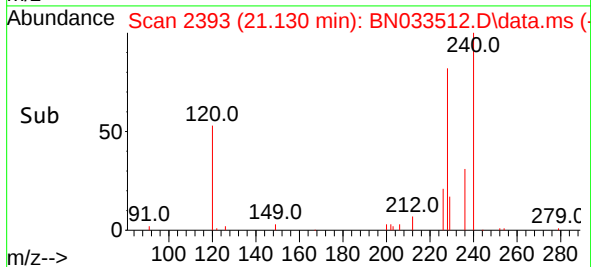
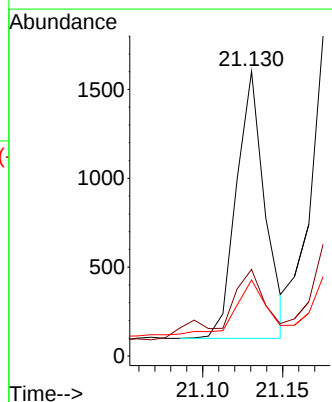
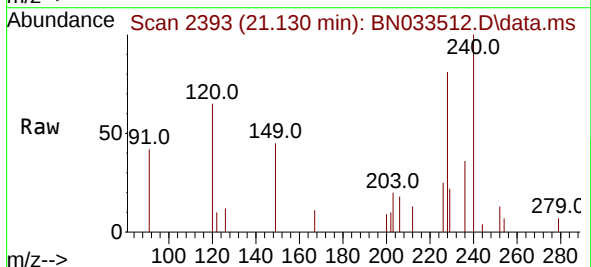
Instrument :
BNA_N
ClientSampleId :
914-J-WS-081524

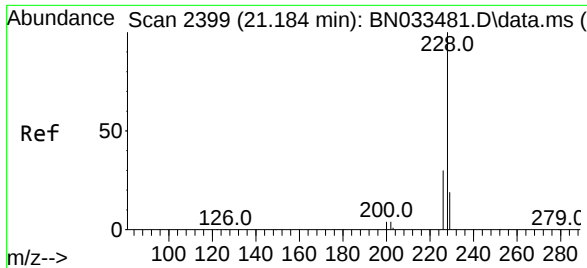
Tgt Ion:244 Resp: 9371
Ion Ratio Lower Upper
244 100
212 10.1 7.8 11.6
122 17.7 13.3 19.9



#32
Benzo(a)anthracene
Concen: 0.040 ng
RT: 21.130 min Scan# 2393
Delta R.T. 0.000 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

Tgt Ion:228 Resp: 1869
Ion Ratio Lower Upper
228 100
226 30.4 21.8 32.6
229 26.7 15.8 23.6#

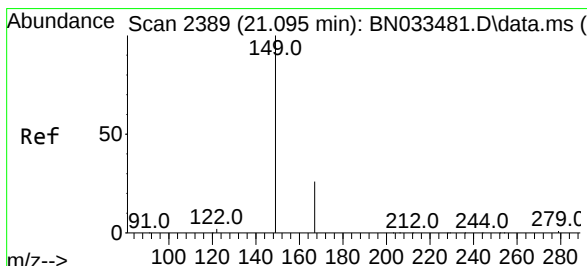
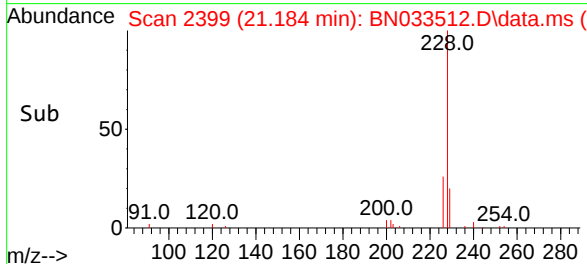
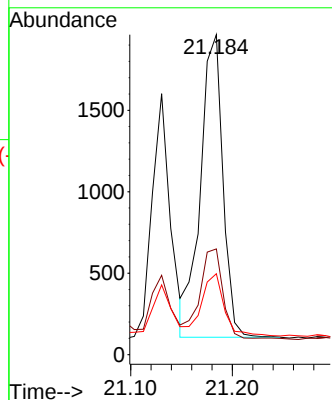
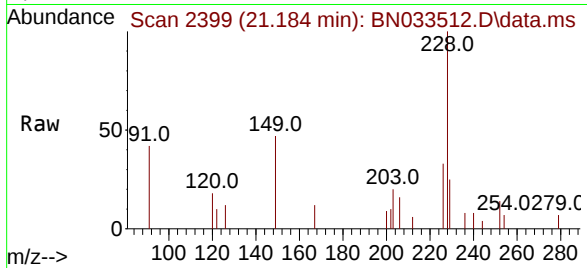




#33
Chrysene
Concen: 0.061 ng
RT: 21.184 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

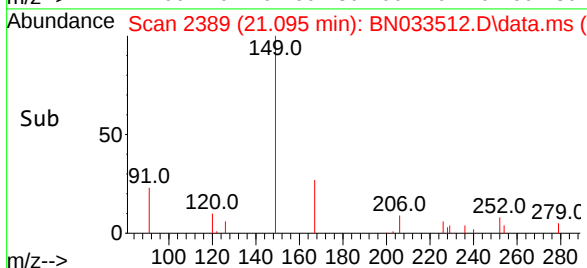
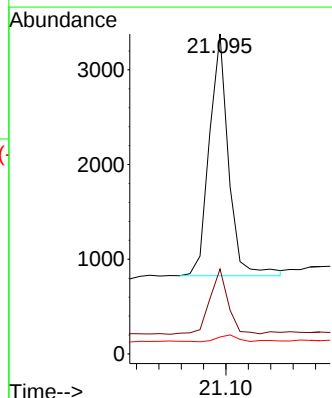
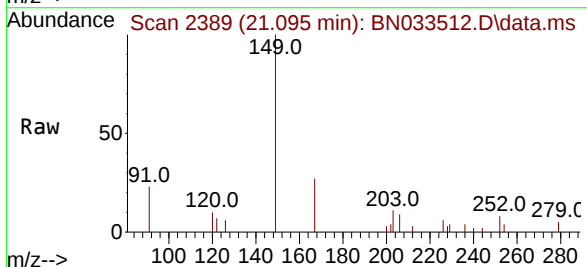
Instrument :
BNA_N
ClientSampleId :
914-J-WS-081524

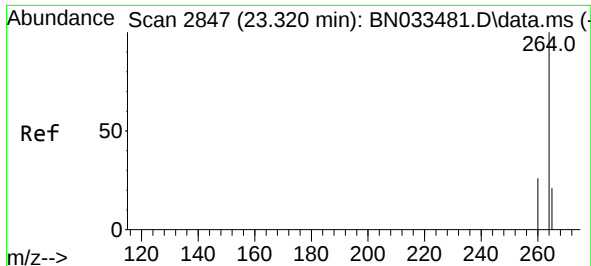
Tgt Ion:228 Resp: 2847
Ion Ratio Lower Upper
228 100
226 33.0 23.8 35.8
229 25.3 15.6 23.4#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.103 ng
RT: 21.095 min Scan# 2389
Delta R.T. 0.000 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

Tgt Ion:149 Resp: 3035
Ion Ratio Lower Upper
149 100
167 24.7 21.5 32.3
279 3.5 2.2 3.2#

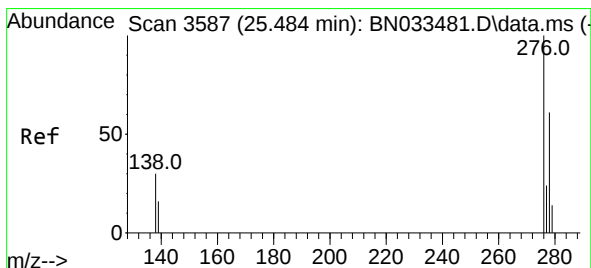
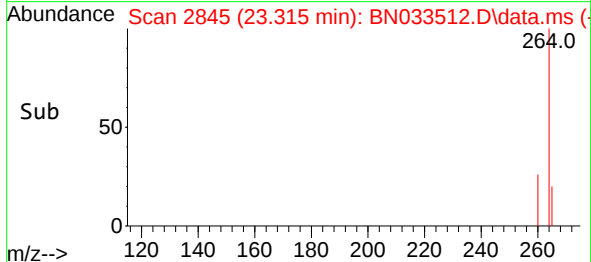
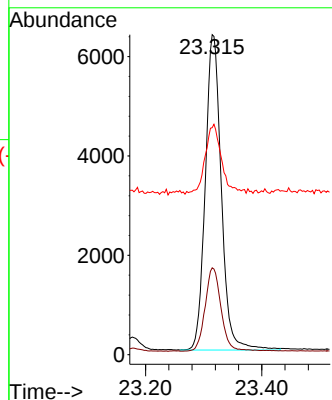
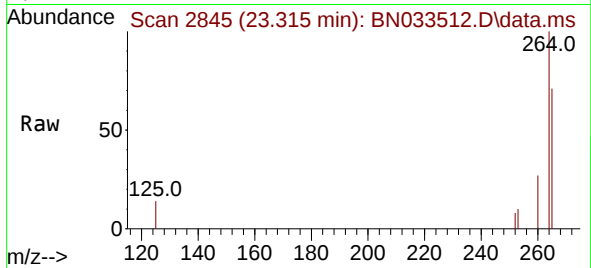




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.315 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BN033512.D
 Acq: 20 Aug 2024 18:52

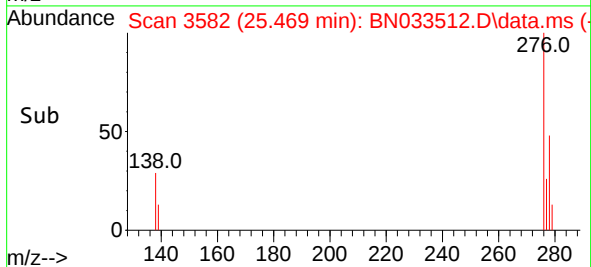
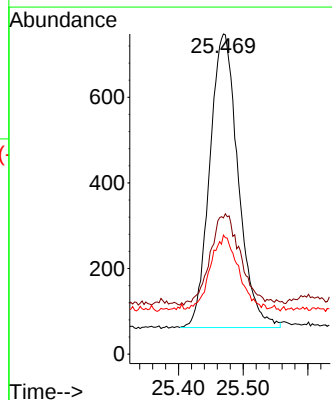
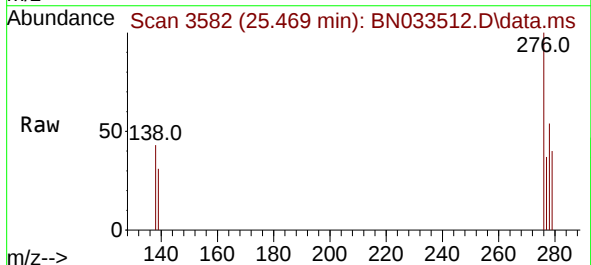
Instrument :
 BNA_N
 ClientSampleId :
 914-J-WS-081524

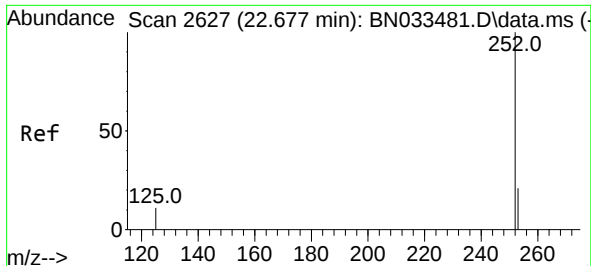
Tgt Ion:264 Resp: 12153
 Ion Ratio Lower Upper
 264 100
 260 27.2 20.8 31.2
 265 70.9 52.2 78.2



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.041 ng
 RT: 25.469 min Scan# 3582
 Delta R.T. -0.015 min
 Lab File: BN033512.D
 Acq: 20 Aug 2024 18:52

Tgt Ion:276 Resp: 2092
 Ion Ratio Lower Upper
 276 100
 138 32.8 24.4 36.6
 277 25.0 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.054 ng

RT: 22.671 min Scan# 2625

Delta R.T. -0.006 min

Lab File: BN033512.D

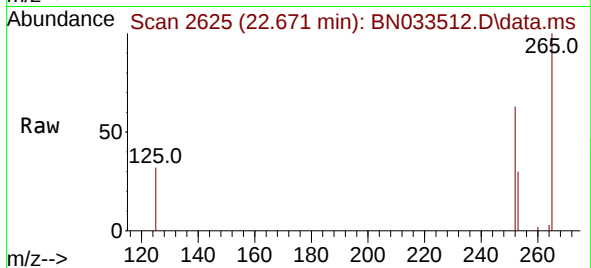
Acq: 20 Aug 2024 18:52

Instrument :

BNA_N

ClientSampleId :

914-J-WS-081524



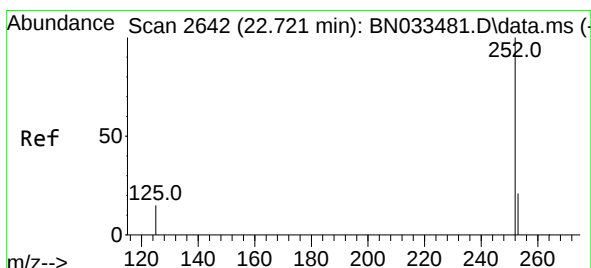
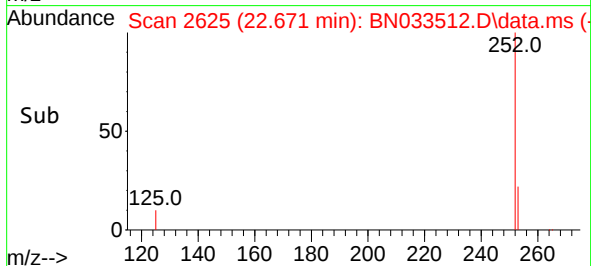
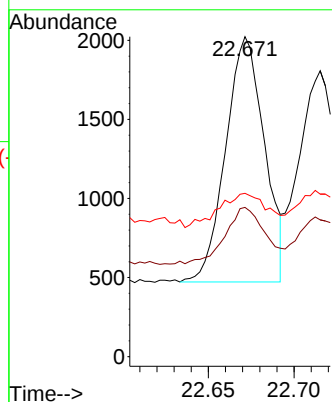
Tgt Ion:252 Resp: 2441

Ion Ratio Lower Upper

252 100

253 46.7 19.8 29.8#

125 51.1 13.9 20.9#



#38

Benzo(k)fluoranthene

Concen: 0.046 ng

RT: 22.715 min Scan# 2640

Delta R.T. -0.006 min

Lab File: BN033512.D

Acq: 20 Aug 2024 18:52

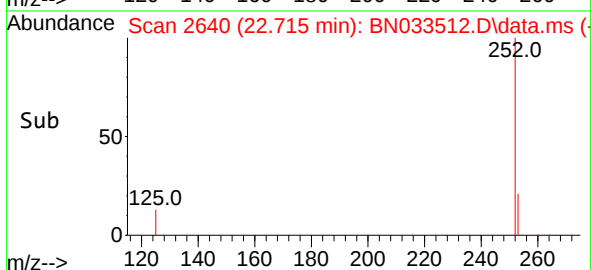
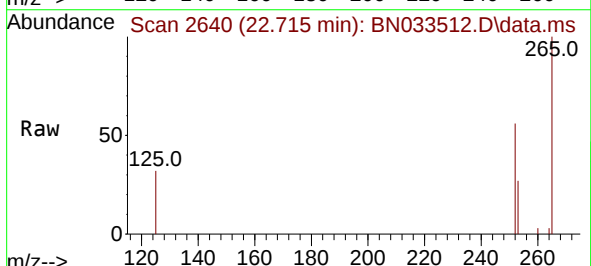
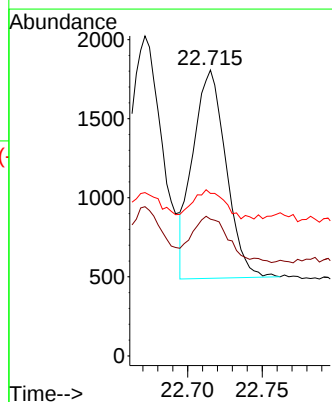
Tgt Ion:252 Resp: 2037

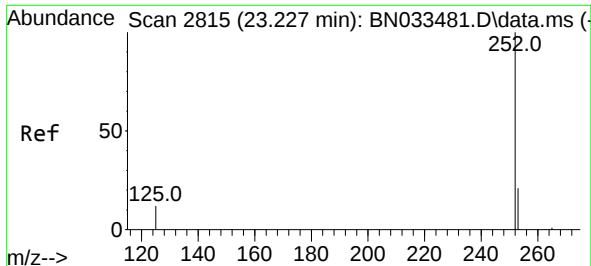
Ion Ratio Lower Upper

252 100

253 47.8 19.8 29.8#

125 56.9 15.8 23.8#

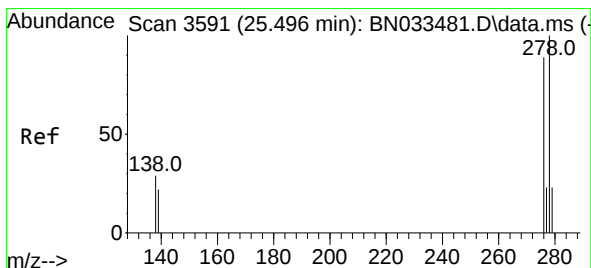
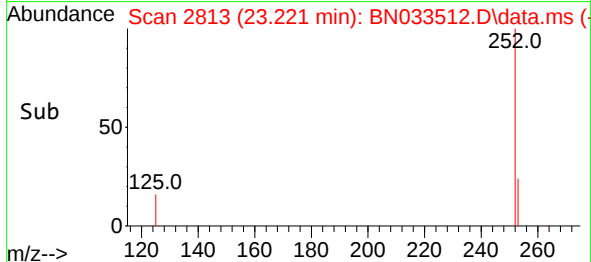
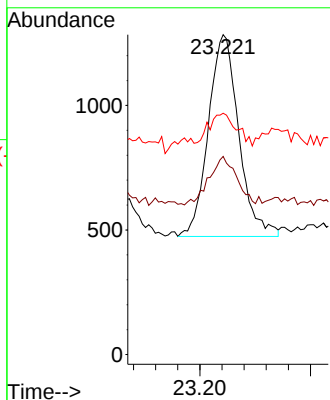
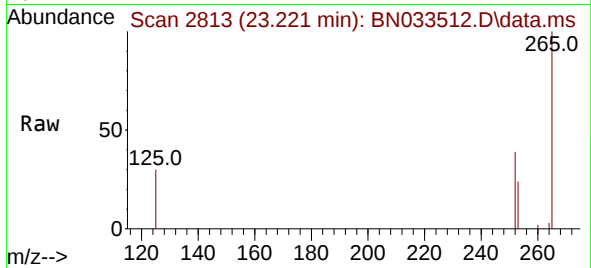




#39
Benzo(a)pyrene
Concen: 0.041 ng
RT: 23.221 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

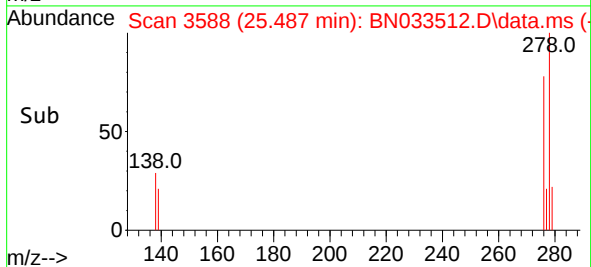
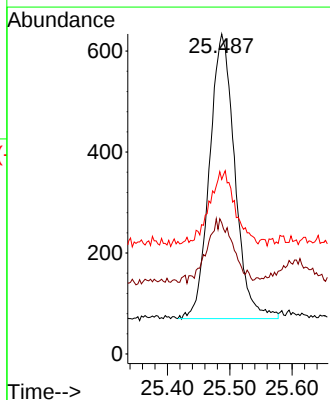
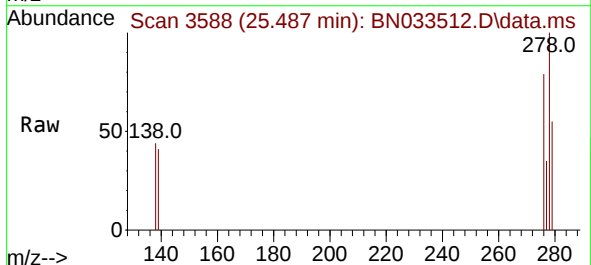
Instrument :
BNA_N
ClientSampleId :
914-J-WS-081524

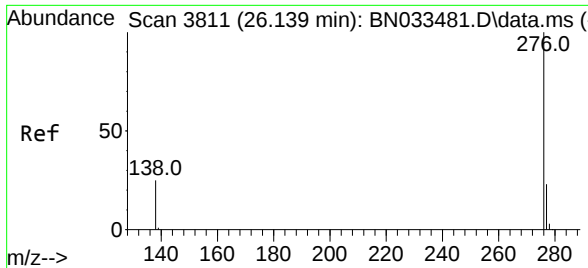
Tgt Ion:252 Resp: 1545
Ion Ratio Lower Upper
252 100
253 61.9 21.5 32.3#
125 75.5 17.0 25.4#



#40
Dibenzo(a,h)anthracene
Concen: 0.039 ng
RT: 25.487 min Scan# 3588
Delta R.T. -0.009 min
Lab File: BN033512.D
Acq: 20 Aug 2024 18:52

Tgt Ion:278 Resp: 1593
Ion Ratio Lower Upper
278 100
139 41.0 19.1 28.7#
279 54.6 21.0 31.4#





#41
 Benzo(g,h,i)perylene
 Concen: 0.042 ng
 RT: 26.121 min Scan# 3805
 Delta R.T. -0.017 min
 Lab File: BN033512.D
 Acq: 20 Aug 2024 18:52

Instrument :
 BNA_N
 ClientSampleId :
 914-J-WS-081524

Tgt Ion:	276	Resp:	1802
Ion	Ratio	Lower	Upper
276	100		
277	35.6	19.7	29.5#
138	42.9	21.8	32.6#

