

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082224\
 Data File : BN033556.D
 Acq On : 22 Aug 2024 17:07
 Operator : MA/JU
 Sample : P3643-07DL 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 22 17:46:41 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

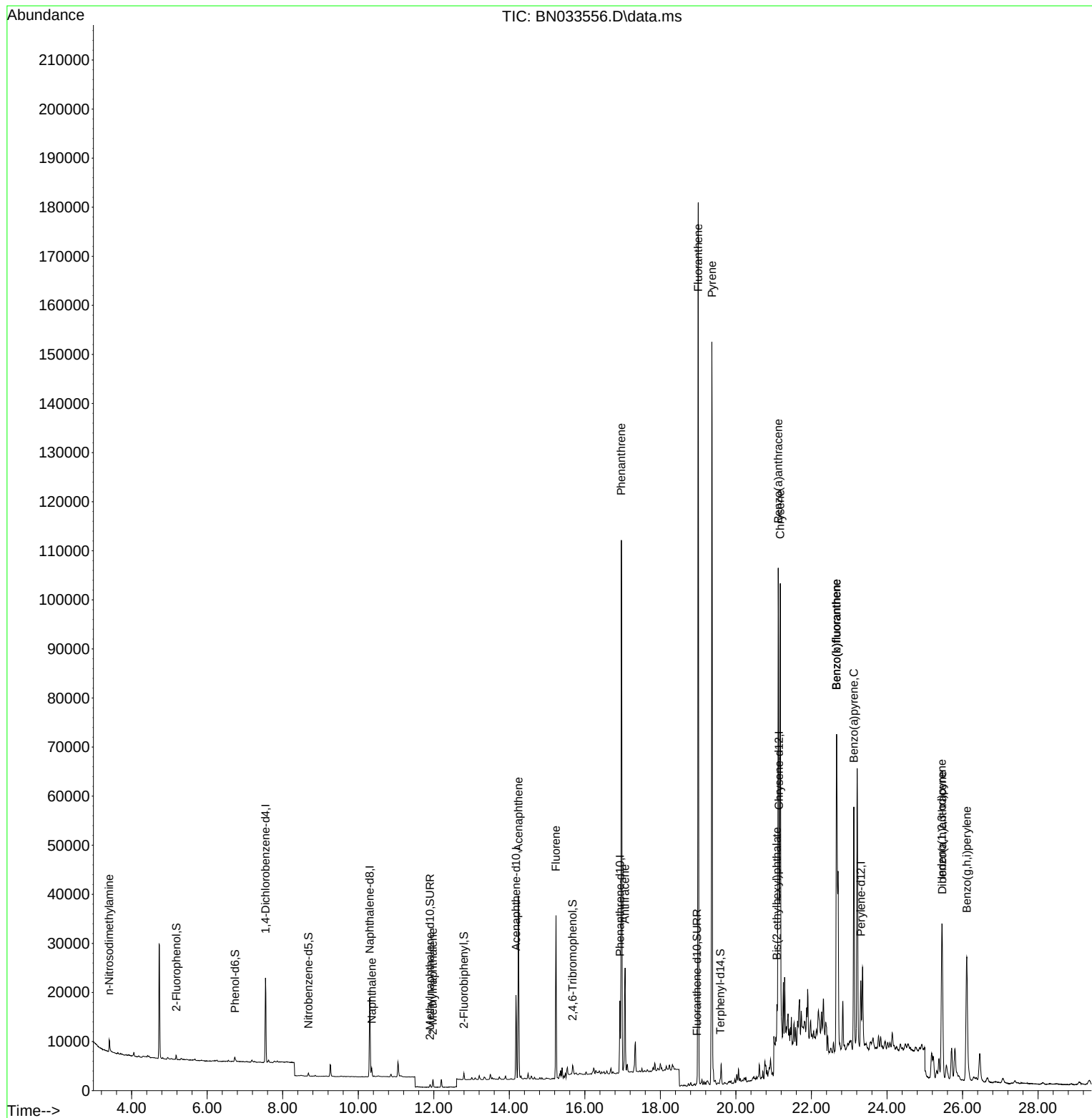
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	8021	0.400	ng	-0.01
7) Naphthalene-d8	10.304	136	20435	0.400	ng	-0.01
13) Acenaphthene-d10	14.178	164	9323	0.400	ng	-0.01
19) Phenanthrene-d10	16.929	188	17605	0.400	ng	-0.01
29) Chrysene-d12	21.139	240	15216	0.400	ng	0.00
35) Perylene-d12	23.309	264	16830	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	633	0.025	ng	0.00
5) Phenol-d6	6.736	99	784	0.026	ng	0.00
8) Nitrobenzene-d5	8.681	82	475	0.028	ng	-0.01
11) 2-Methylnaphthalene-d10	11.903	152	762	0.026	ng	-0.01
14) 2,4,6-Tribromophenol	15.676	330	139	0.028	ng	-0.01
15) 2-Fluorobiphenyl	12.799	172	1033	0.027	ng	-0.01
27) Fluoranthene-d10	18.970	212	1007	0.024	ng	-0.01
31) Terphenyl-d14	19.588	244	745	0.022	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.406	42	531	0.049	ng	# 1
9) Naphthalene	10.357	128	2338	0.043	ng	# 91
12) 2-Methylnaphthalene	11.979	142	1081	0.031	ng	# 91
17) Acenaphthene	14.242	154	16946	0.589	ng	98
18) Fluorene	15.236	166	19093	0.527	ng	100
25) Phenanthrene	16.966	178	111530	2.277	ng	99
26) Anthracene	17.066	178	23450	0.541	ng	98
28) Fluoranthene	19.003	202	154843	2.861	ng	100
30) Pyrene	19.365	202	131887	1.942	ng	# 94
32) Benzo(a)anthracene	21.121	228	82113	1.493	ng	96
33) Chrysene	21.175	228	79588	1.455	ng	96
34) Bis(2-ethylhexyl)phtha...	21.085	149	5485	0.158	ng	# 67
36) Indeno(1,2,3-cd)pyrene	25.455	276	46667	0.668	ng	96
37) Benzo(b)fluoranthene	22.665	252	99117	1.577	ng	96
38) Benzo(k)fluoranthene	22.665	252	99117	1.602	ng	# 94
39) Benzo(a)pyrene	23.124	252	59034	1.135	ng	98
40) Dibenzo(a,h)anthracene	25.466	278	12347	0.221	ng	# 77
41) Benzo(g,h,i)perylene	26.112	276	49801	0.834	ng	99

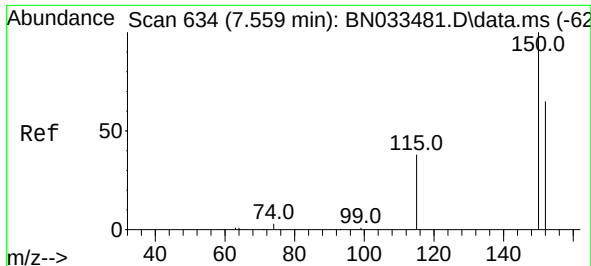
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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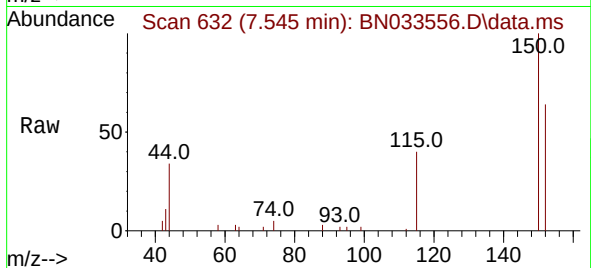
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 19 23:32:18 2024
Response via : Initial Calibration



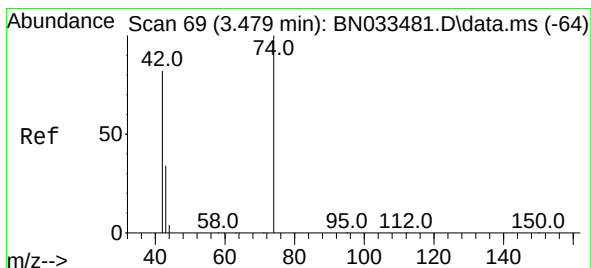
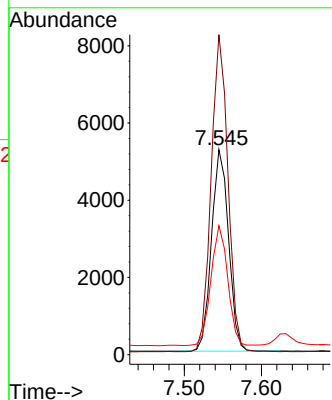
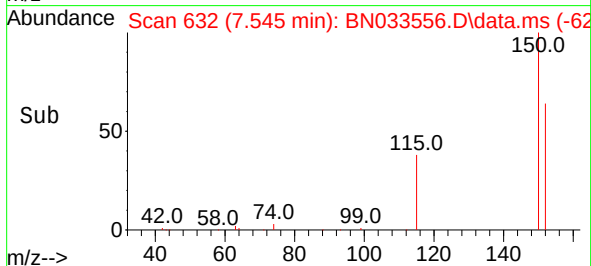


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.014 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

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

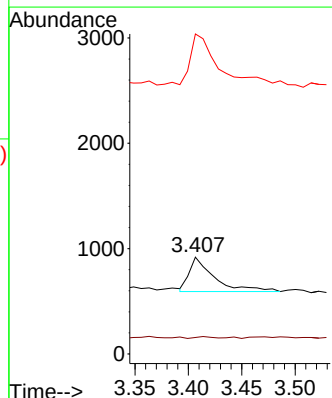
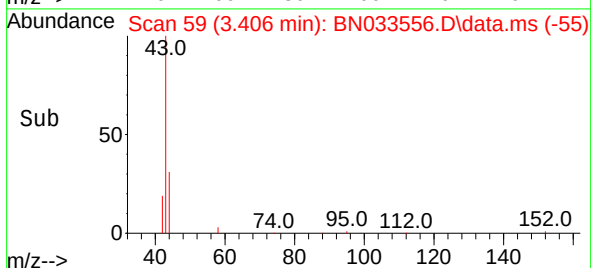
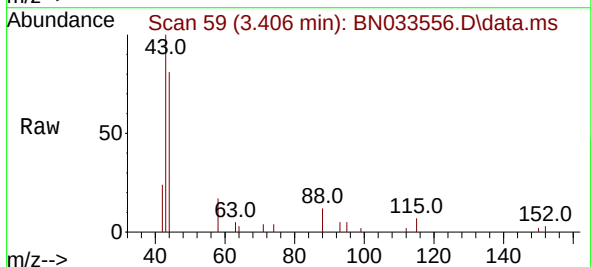


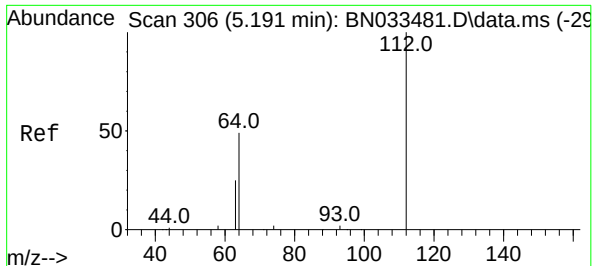
Tgt Ion:152 Resp: 8021
Ion Ratio Lower Upper
152 100
150 156.1 122.2 183.2
115 62.9 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.049 ng
RT: 3.406 min Scan# 59
Delta R.T. -0.072 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

Tgt Ion: 42 Resp: 531
Ion Ratio Lower Upper
42 100
74 3.2 100.2 150.2#
44 189.6 5.3 7.9#

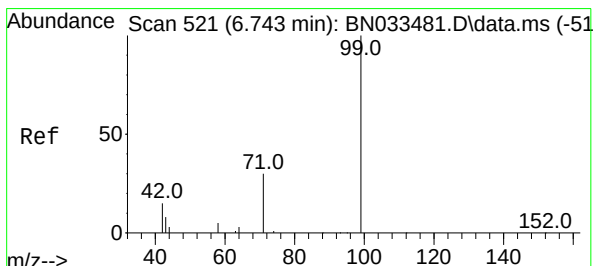
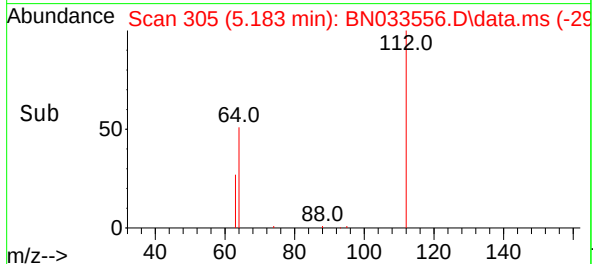
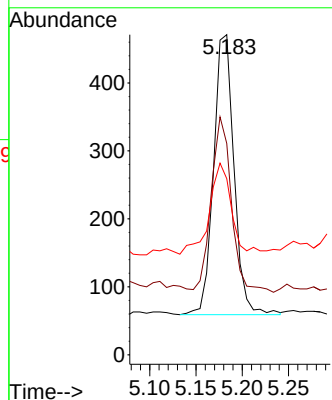
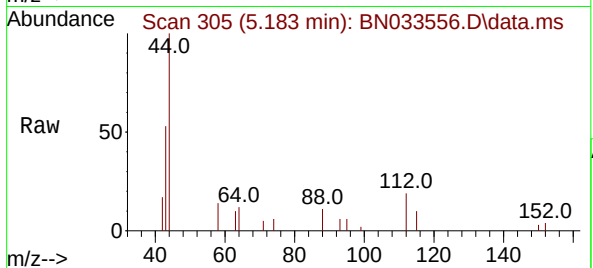




#4
2-Fluorophenol
Concen: 0.025 ng
RT: 5.183 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

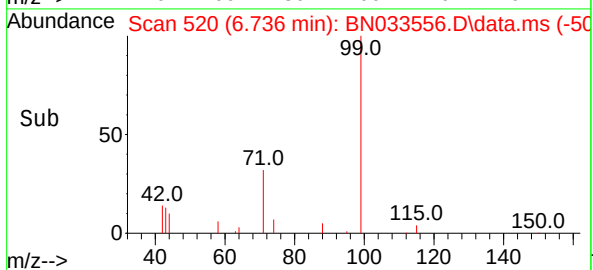
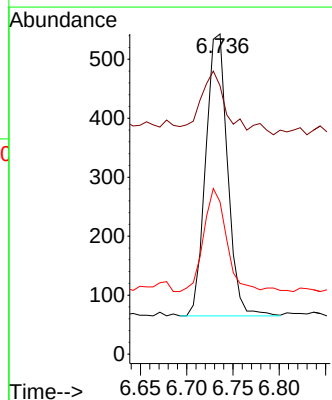
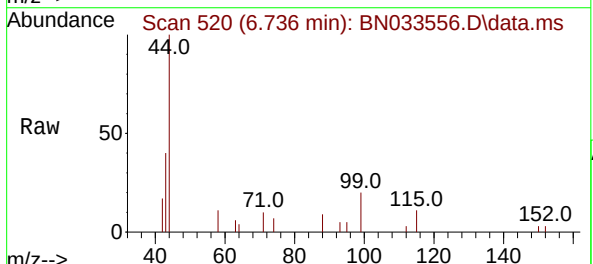
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ClientSampleId :
918-J-SD-0-0.5-081524DL

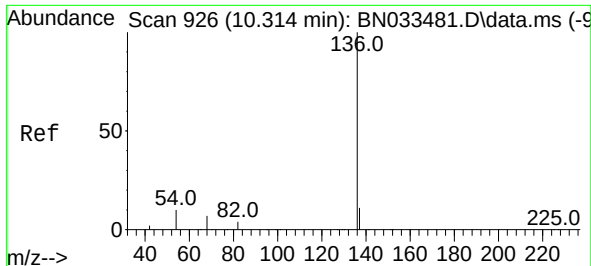
Tgt Ion:112 Resp: 633
Ion Ratio Lower Upper
112 100
64 61.8 47.1 70.7
63 35.1 24.9 37.3



#5
Phenol-d6
Concen: 0.026 ng
RT: 6.736 min Scan# 520
Delta R.T. -0.007 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

Tgt Ion: 99 Resp: 784
Ion Ratio Lower Upper
99 100
42 28.1 16.6 24.8#
71 39.0 26.2 39.4

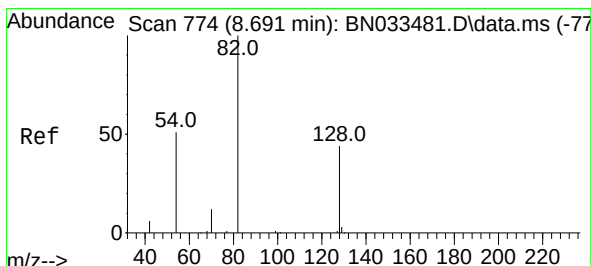
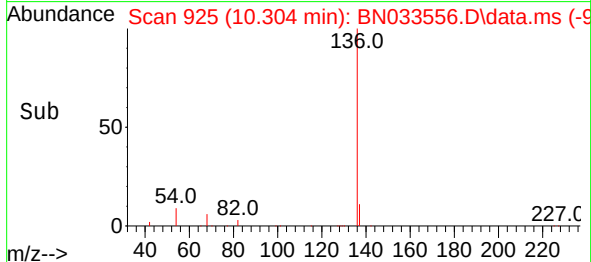
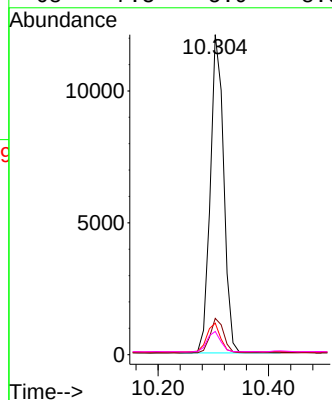
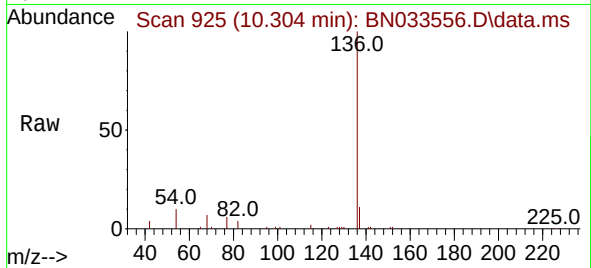




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

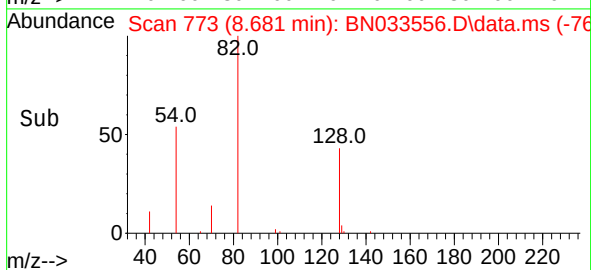
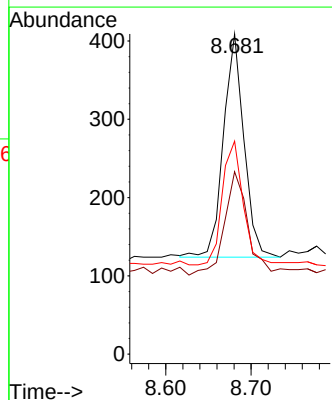
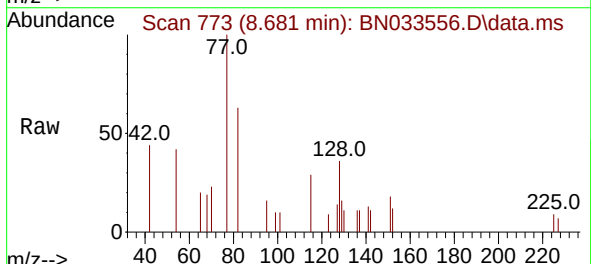
Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524DL

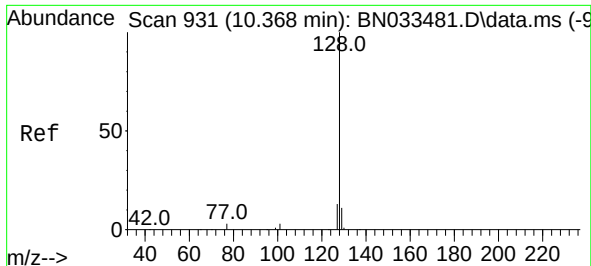
Tgt Ion:	136	Resp:	20435
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.6
54	9.9	8.3	12.5
68	7.3	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.028 ng
RT: 8.681 min Scan# 773
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

Tgt Ion:	82	Resp:	475
Ion Ratio	Lower	Upper	
82	100		
128	57.0	36.0	54.0#
54	66.5	42.0	63.0#

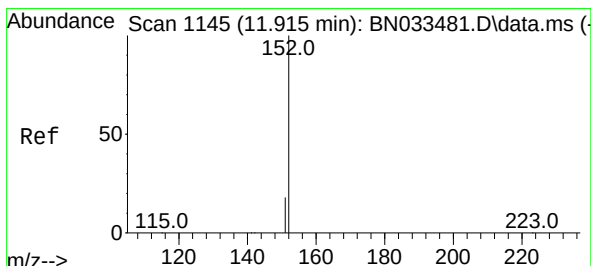
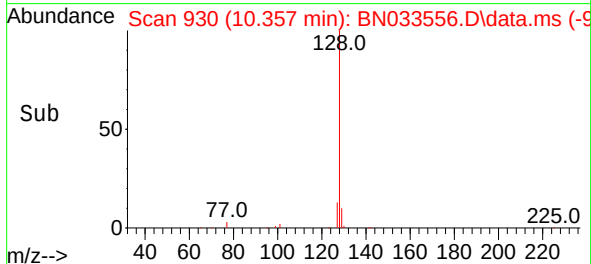
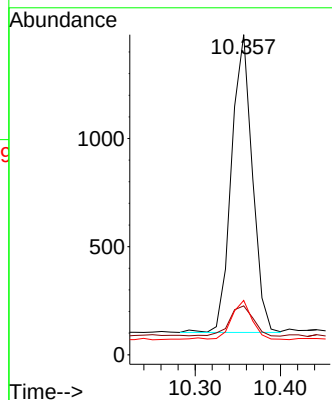
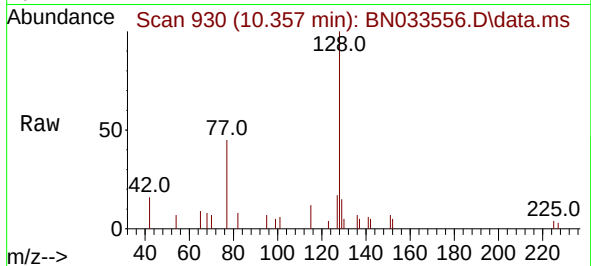




#9
Naphthalene
Concen: 0.043 ng
RT: 10.357 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

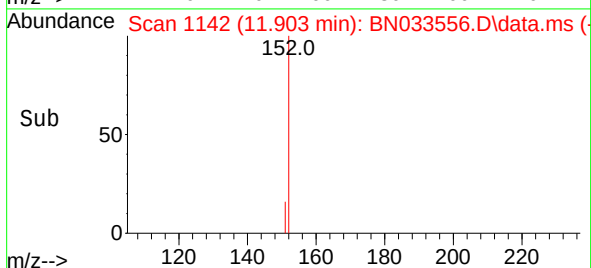
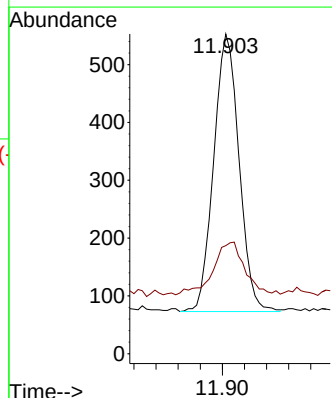
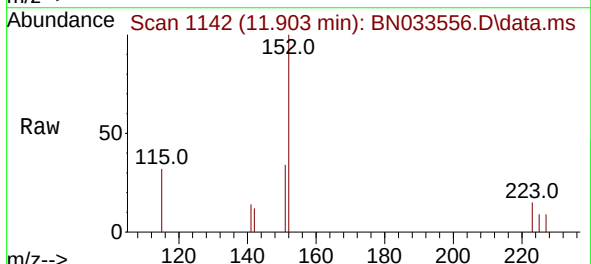
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ClientSampleId :
918-J-SD-0-0.5-081524DL

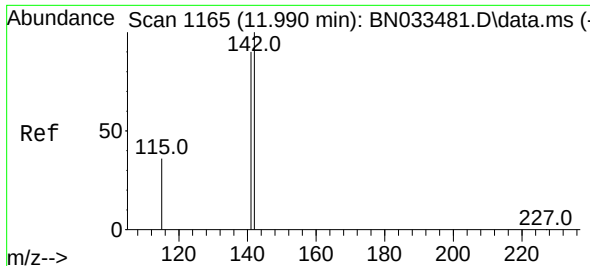
Tgt Ion:128 Resp: 2338
Ion Ratio Lower Upper
128 100
129 15.3 9.1 13.7#
127 17.0 10.7 16.1#



#11
2-Methylnaphthalene-d10
Concen: 0.026 ng
RT: 11.903 min Scan# 1142
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

Tgt Ion:152 Resp: 762
Ion Ratio Lower Upper
152 100
151 24.5 16.6 25.0





#12

2-Methylnaphthalene

Concen: 0.031 ng

RT: 11.979 min Scan# 1162

Delta R.T. -0.011 min

Lab File: BN033556.D

Acq: 22 Aug 2024 17:07

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524DL

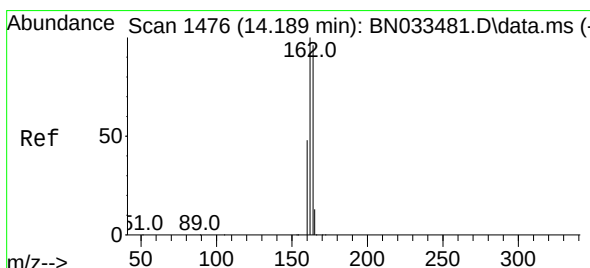
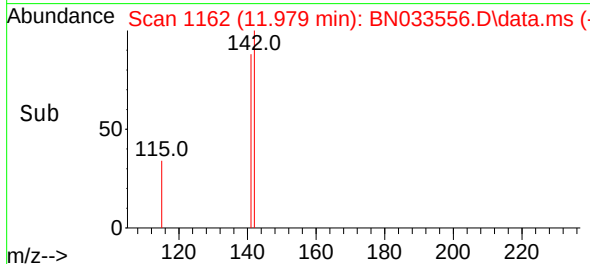
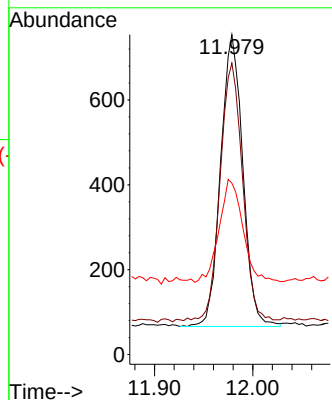
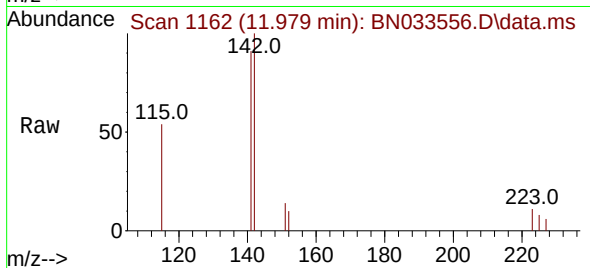
Tgt Ion:142 Resp: 1081

Ion Ratio Lower Upper

142 100

141 91.1 71.7 107.5

115 53.6 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: BN033556.D

Acq: 22 Aug 2024 17:07

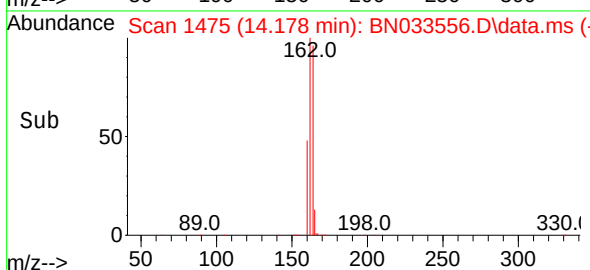
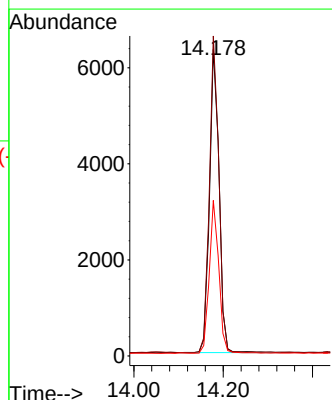
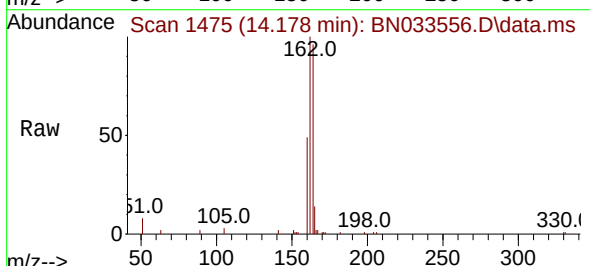
Tgt Ion:164 Resp: 9323

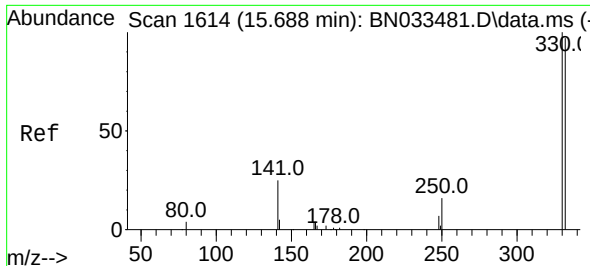
Ion Ratio Lower Upper

164 100

162 104.4 83.5 125.3

160 50.7 40.2 60.4

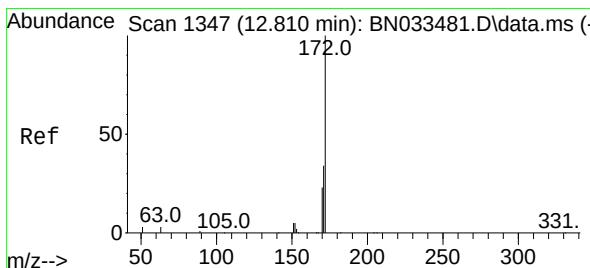
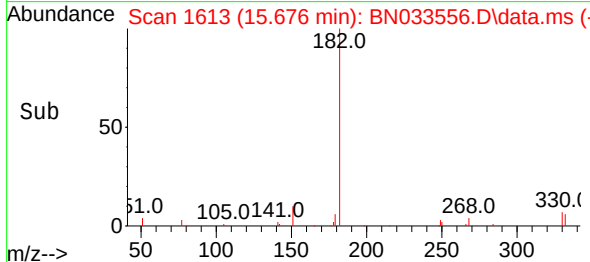
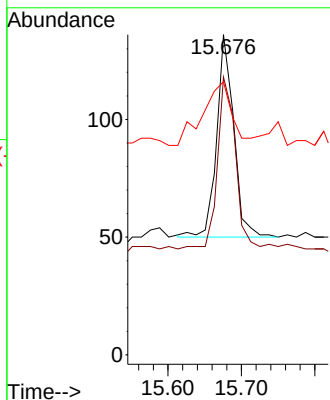
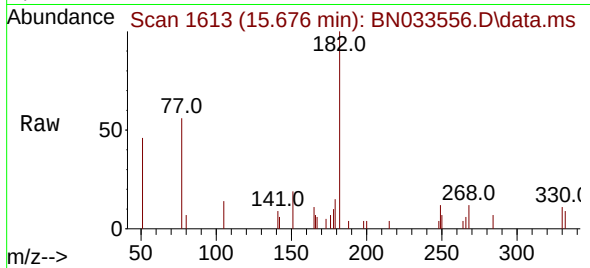




#14
2,4,6-Tribromophenol
Concen: 0.028 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.013 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

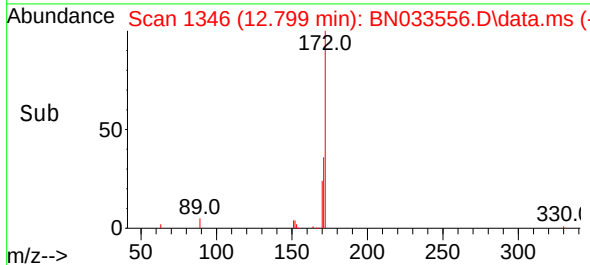
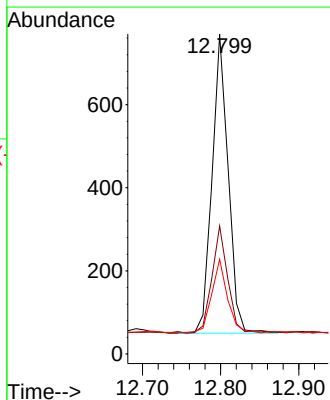
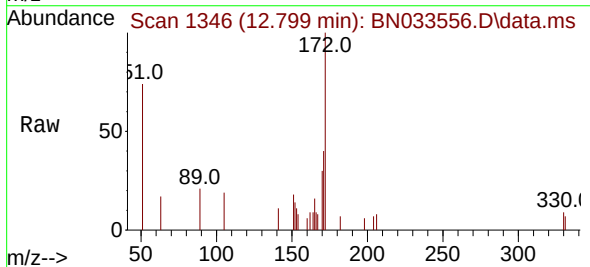
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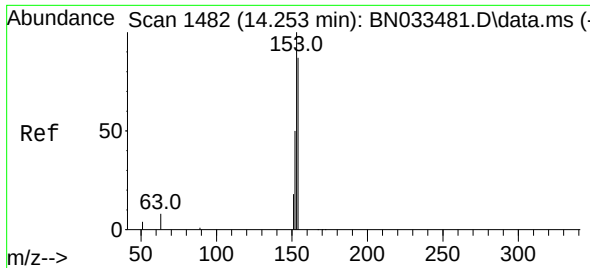
Tgt Ion:330 Resp: 139
Ion Ratio Lower Upper
330 100
332 91.4 77.5 116.3
141 53.2 33.9 50.9#



#15
2-Fluorobiphenyl
Concen: 0.027 ng
RT: 12.799 min Scan# 1346
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

Tgt Ion:172 Resp: 1033
Ion Ratio Lower Upper
172 100
171 40.0 27.7 41.5
170 29.6 18.3 27.5#

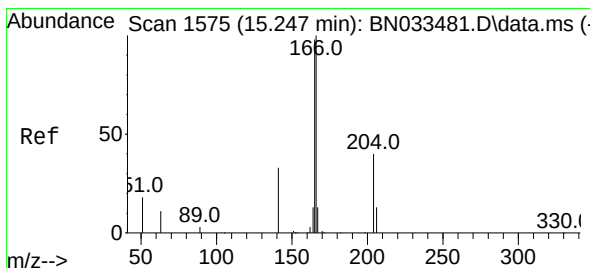
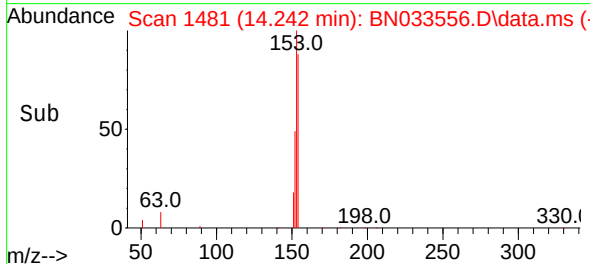
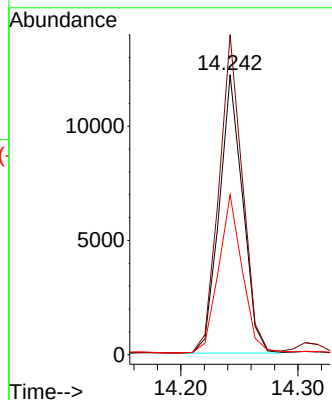
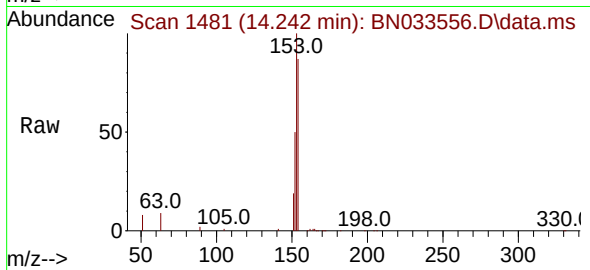




#17
Acenaphthene
Concen: 0.589 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

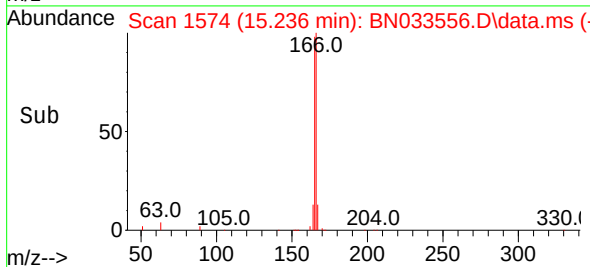
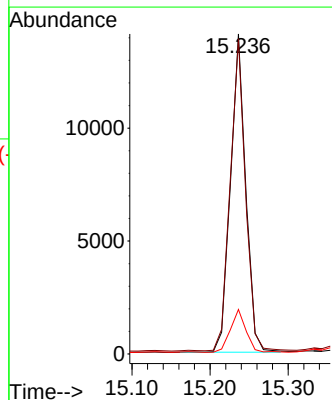
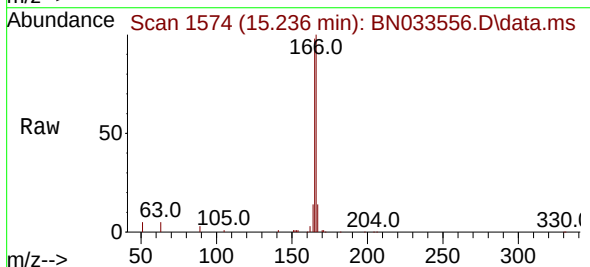
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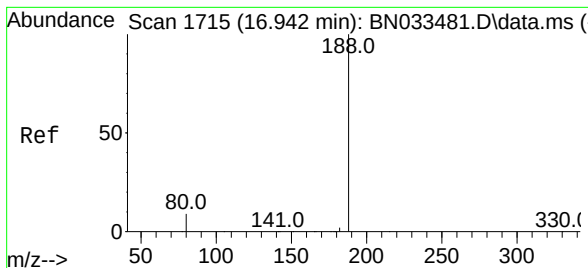
Tgt Ion:154 Resp: 16946
Ion Ratio Lower Upper
154 100
153 114.4 89.0 133.6
152 57.3 45.2 67.8



#18
Fluorene
Concen: 0.527 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.011 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

Tgt Ion:166 Resp: 19093
Ion Ratio Lower Upper
166 100
165 98.0 78.2 117.4
167 13.8 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.929 min Scan# 1714

Delta R.T. -0.013 min

Lab File: BN033556.D

Acq: 22 Aug 2024 17:07

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524DL

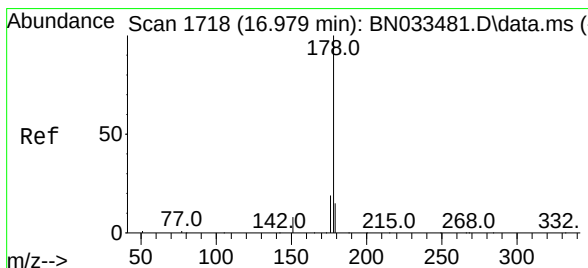
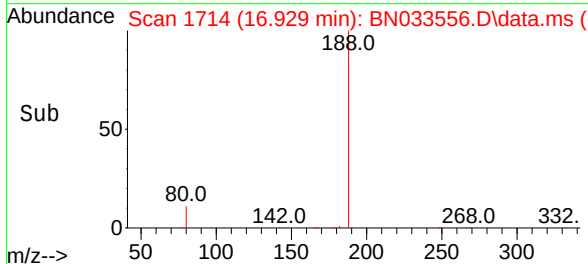
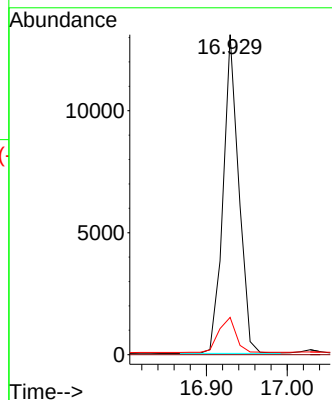
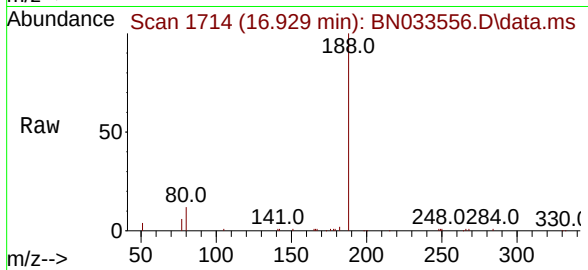
Tgt Ion:188 Resp: 17605

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.7 7.8 11.8



#25

Phenanthrene

Concen: 2.277 ng

RT: 16.966 min Scan# 1717

Delta R.T. -0.013 min

Lab File: BN033556.D

Acq: 22 Aug 2024 17:07

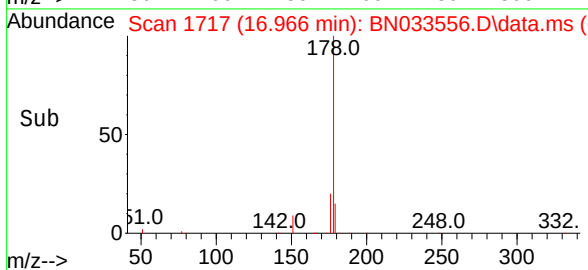
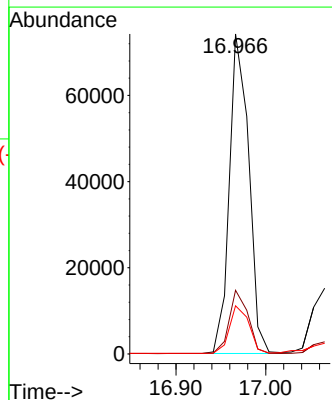
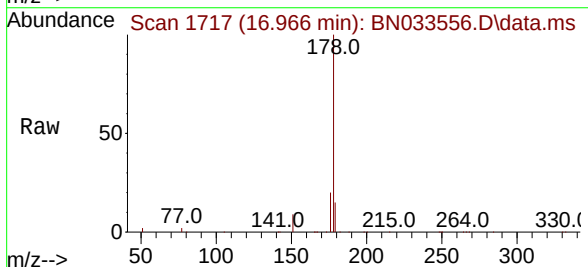
Tgt Ion:178 Resp: 111530

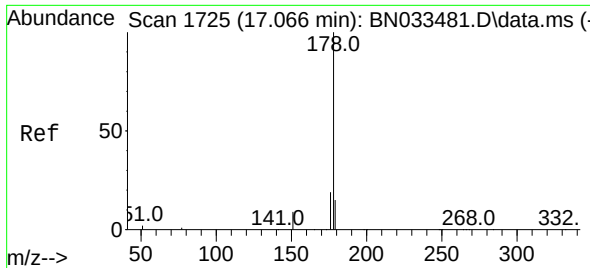
Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

179 15.1 12.3 18.5

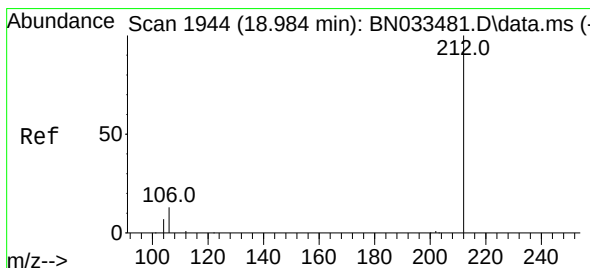
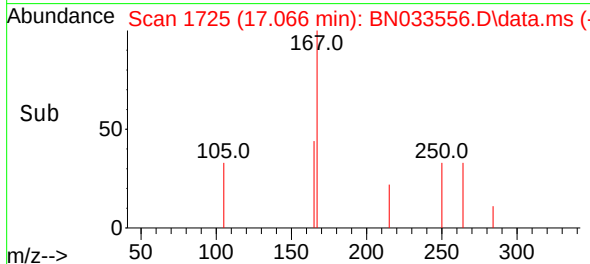
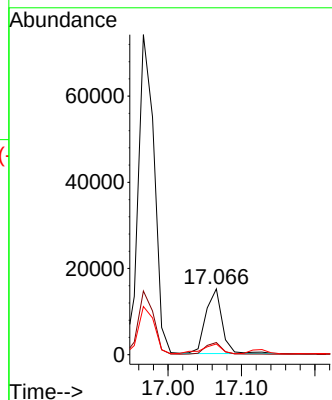
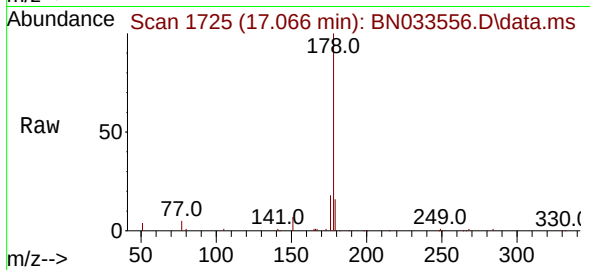




#26
 Anthracene
 Concen: 0.541 ng
 RT: 17.066 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN033556.D
 Acq: 22 Aug 2024 17:07

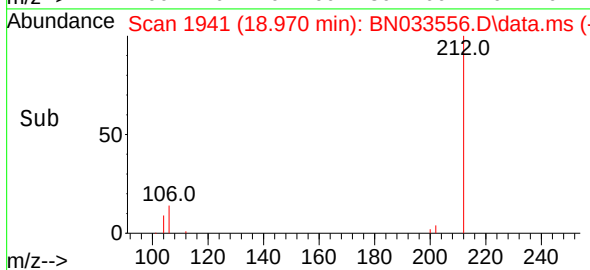
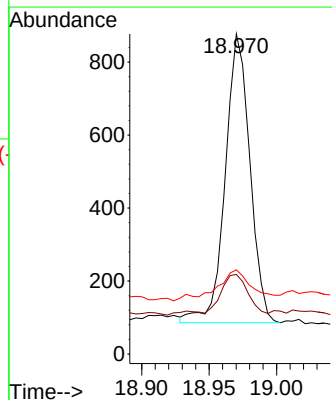
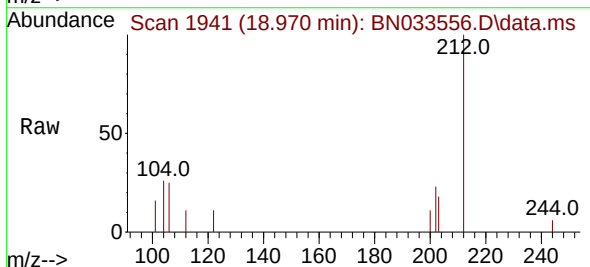
Instrument :
 BNA_N
 ClientSampleId :
 918-J-SD-0-0.5-081524DL

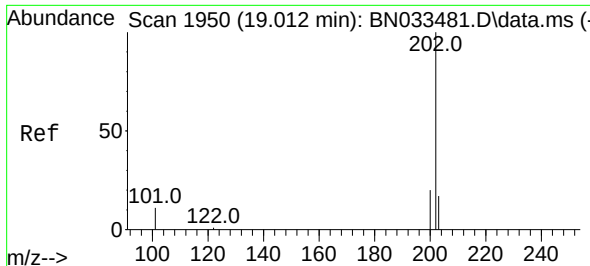
Tgt Ion:178 Resp: 23450
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.0 22.6
 179 17.0 12.4 18.6



#27
 Fluoranthene-d10
 Concen: 0.024 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.014 min
 Lab File: BN033556.D
 Acq: 22 Aug 2024 17:07

Tgt Ion:212 Resp: 1007
 Ion Ratio Lower Upper
 212 100
 106 15.1 12.3 18.5
 104 15.0 7.0 10.4#

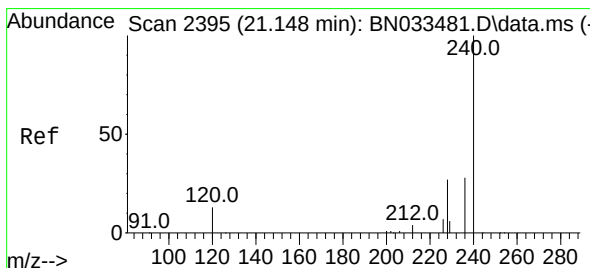
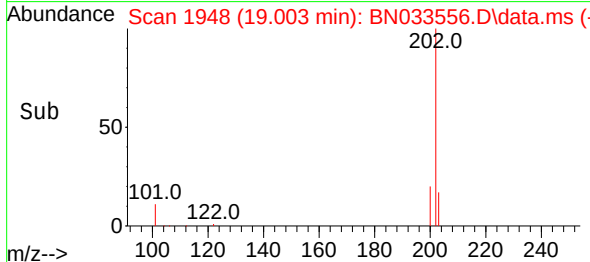
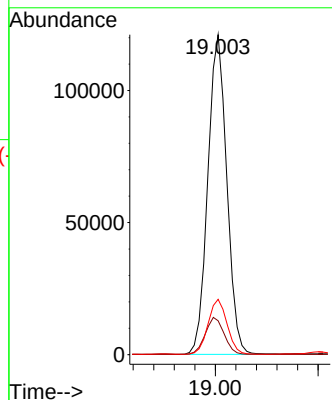
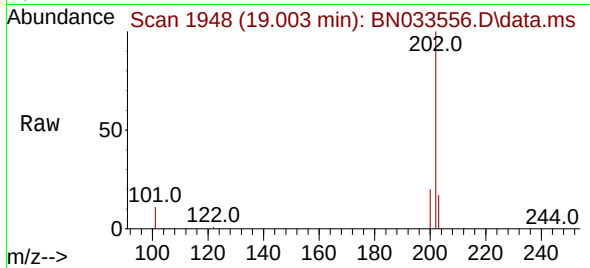




#28
Fluoranthene
Concen: 2.861 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.009 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

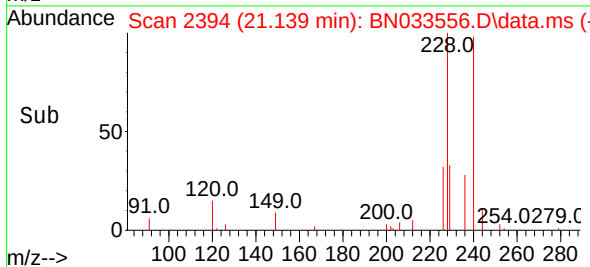
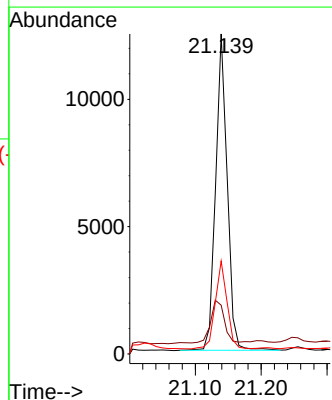
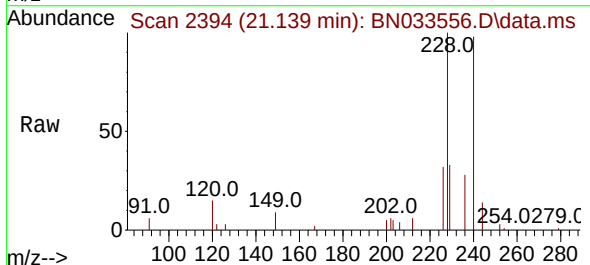
Instrument :
BNA_N
ClientSampleId :
918-J-SD-0-0.5-081524DL

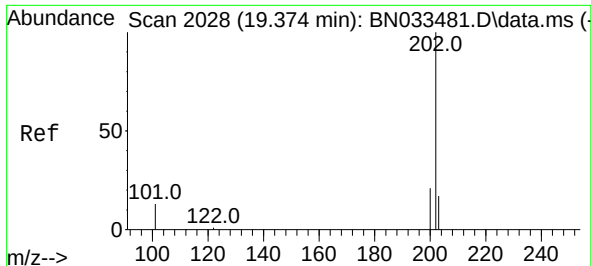
Tgt Ion:202 Resp: 154843
Ion Ratio Lower Upper
202 100
101 11.6 9.5 14.3
203 17.2 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.009 min
Lab File: BN033556.D
Acq: 22 Aug 2024 17:07

Tgt Ion:240 Resp: 15216
Ion Ratio Lower Upper
240 100
120 15.2 12.4 18.6
236 29.0 23.0 34.6





#30

Pyrene

Concen: 1.942 ng

RT: 19.365 min Scan# 2028

Delta R.T. -0.009 min

Lab File: BN033556.D

Acq: 22 Aug 2024 17:07

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524DL

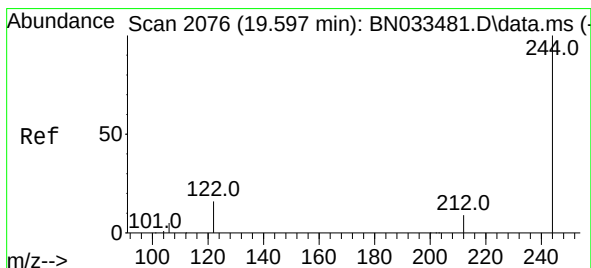
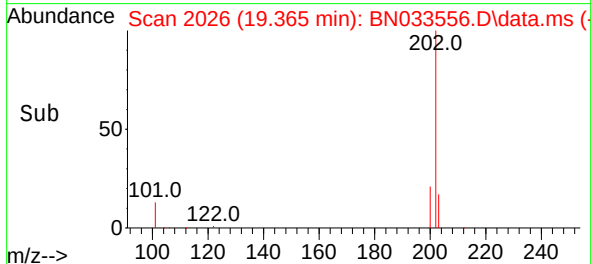
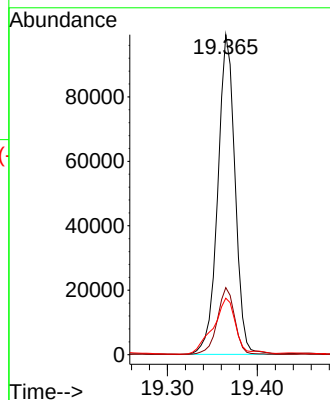
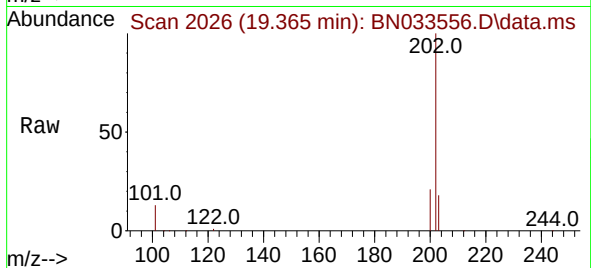
Tgt Ion:202 Resp: 131887

Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 23.0 14.2 21.4#



#31

Terphenyl-d14

Concen: 0.022 ng

RT: 19.588 min Scan# 2074

Delta R.T. -0.009 min

Lab File: BN033556.D

Acq: 22 Aug 2024 17:07

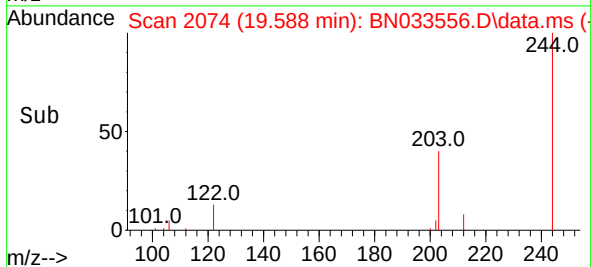
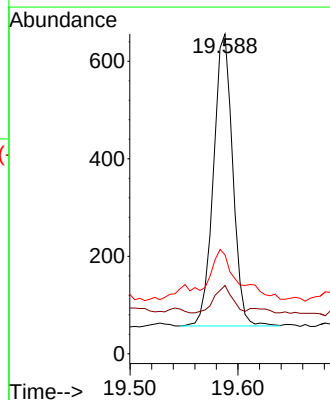
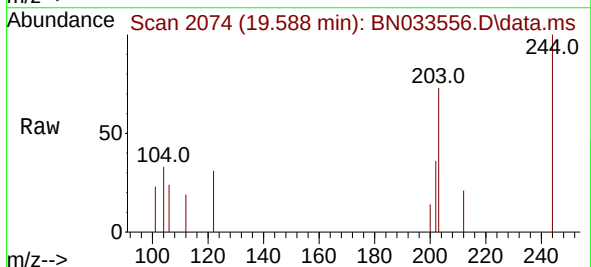
Tgt Ion:244 Resp: 745

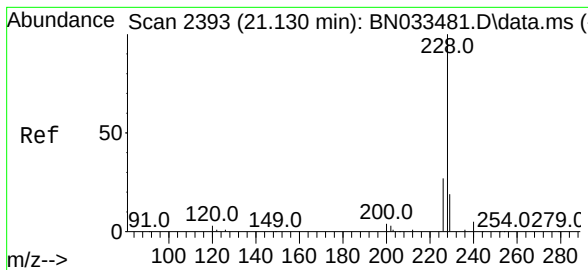
Ion Ratio Lower Upper

244 100

212 21.3 7.8 11.6#

122 30.9 13.3 19.9#





#32

Benzo(a)anthracene

Concen: 1.493 ng

RT: 21.121 min Scan# 24

Delta R.T. -0.009 min

Lab File: BN033556.D

Acq: 22 Aug 2024 17:07

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524DL

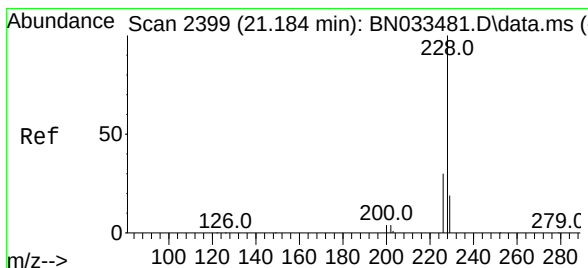
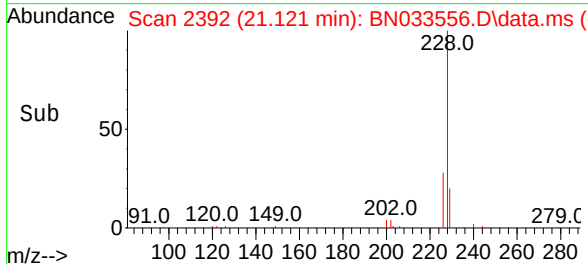
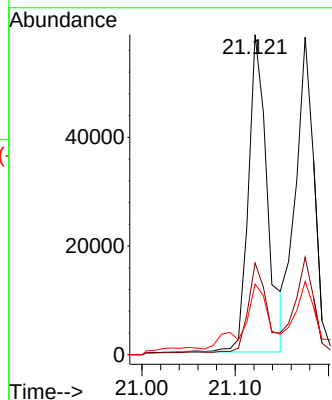
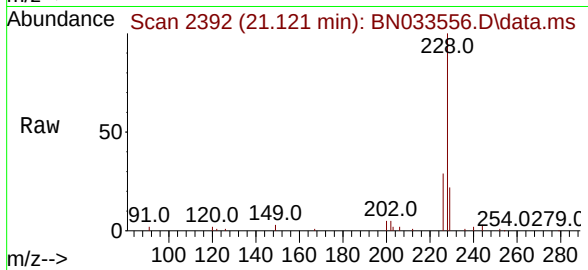
Tgt Ion:228 Resp: 82113

Ion Ratio Lower Upper

228 100

226 28.7 21.8 32.6

229 22.1 15.8 23.6



#33

Chrysene

Concen: 1.455 ng

RT: 21.175 min Scan# 2398

Delta R.T. -0.009 min

Lab File: BN033556.D

Acq: 22 Aug 2024 17:07

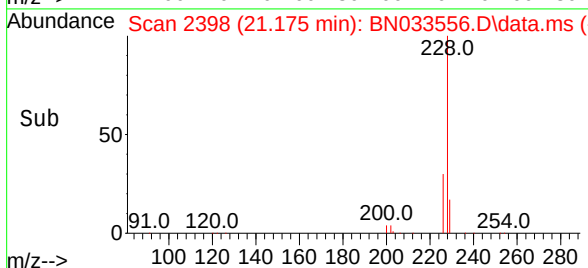
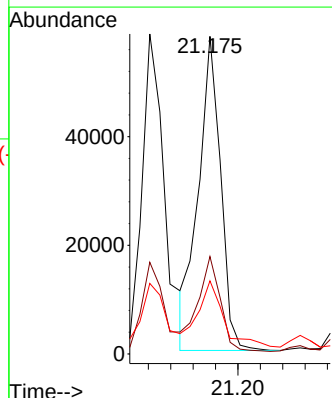
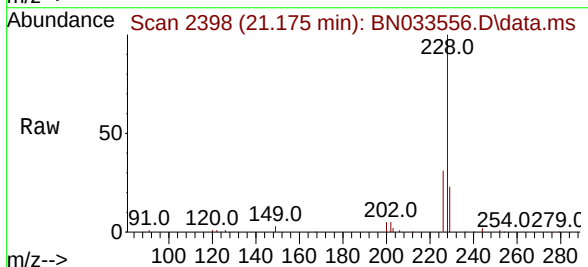
Tgt Ion:228 Resp: 79588

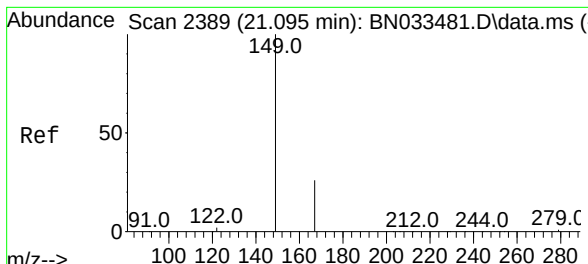
Ion Ratio Lower Upper

228 100

226 30.7 23.8 35.8

229 23.0 15.6 23.4

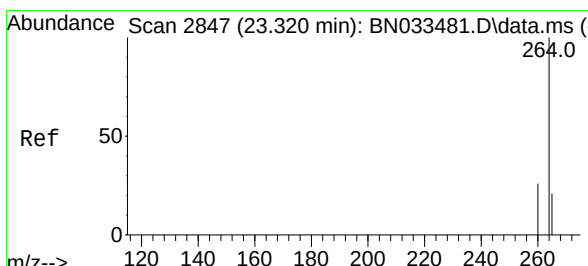
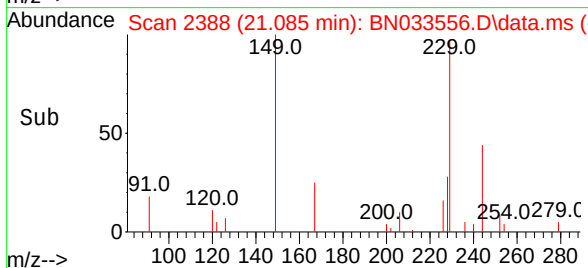
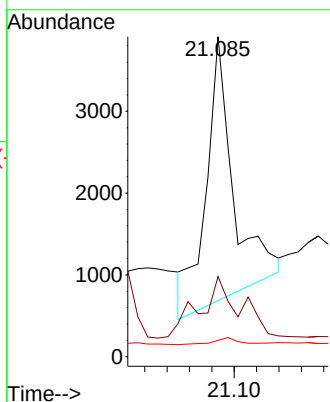
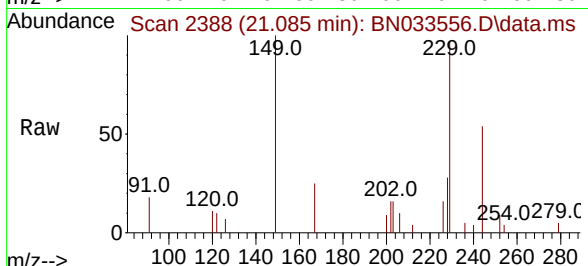




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.158 ng
 RT: 21.085 min Scan# 241
 Delta R.T. -0.009 min
 Lab File: BN033556.D
 Acq: 22 Aug 2024 17:07

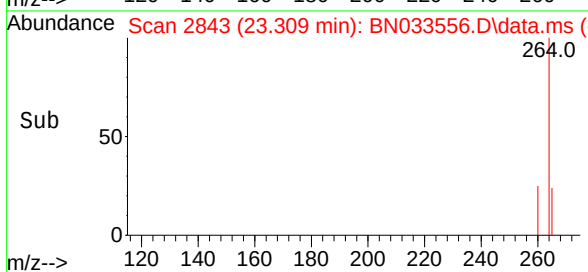
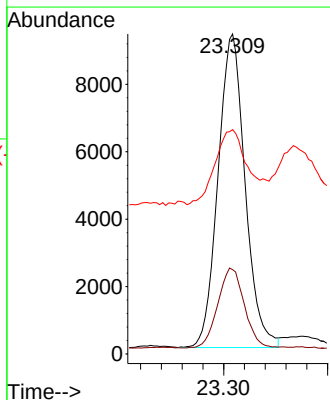
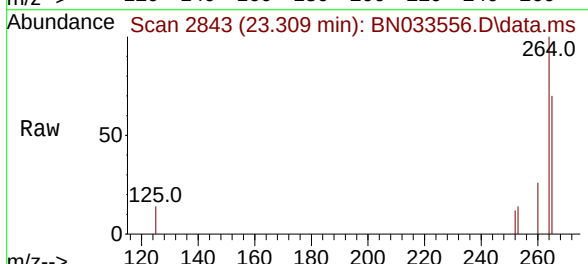
Instrument :
 BNA_N
 ClientSampleId :
 918-J-SD-0-0.5-081524DL

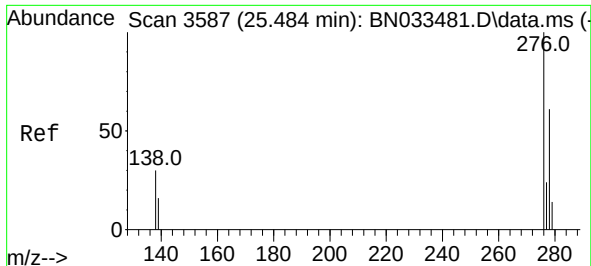
Tgt Ion:	149	Resp:	5485
Ion Ratio	Lower	Upper	
149	100		
167	45.7	21.5	32.3#
279	3.4	2.2	3.2#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.309 min Scan# 2843
 Delta R.T. -0.012 min
 Lab File: BN033556.D
 Acq: 22 Aug 2024 17:07

Tgt Ion:	264	Resp:	16830
Ion Ratio	Lower	Upper	
264	100		
260	26.3	20.8	31.2
265	70.1	52.2	78.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.668 ng

RT: 25.455 min Scan# 3577

Delta R.T. -0.029 min

Lab File: BN033556.D

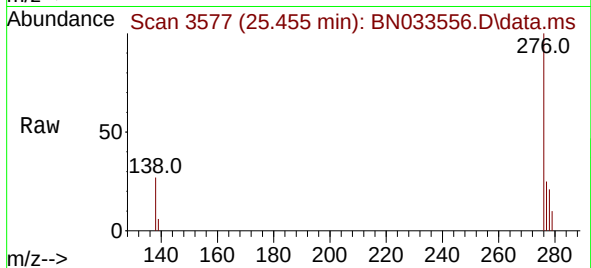
Acq: 22 Aug 2024 17:07

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524DL



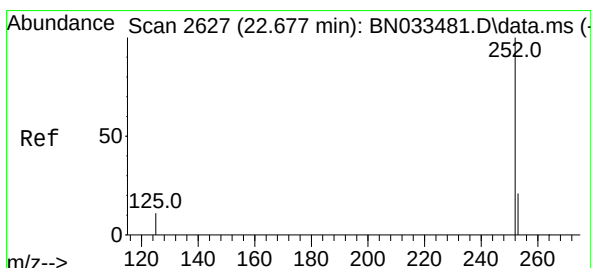
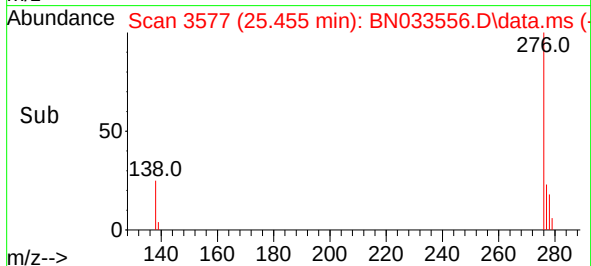
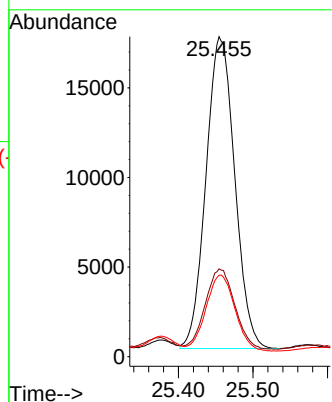
Tgt Ion:276 Resp: 46667

Ion Ratio Lower Upper

276 100

138 26.6 24.4 36.6

277 24.8 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 1.577 ng

RT: 22.665 min Scan# 2623

Delta R.T. -0.012 min

Lab File: BN033556.D

Acq: 22 Aug 2024 17:07

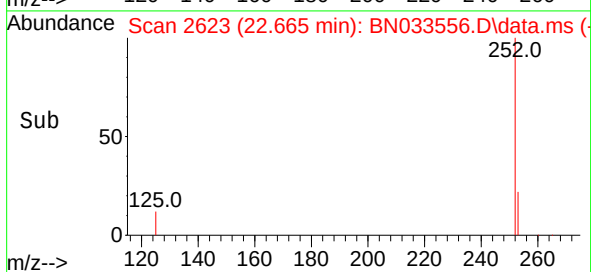
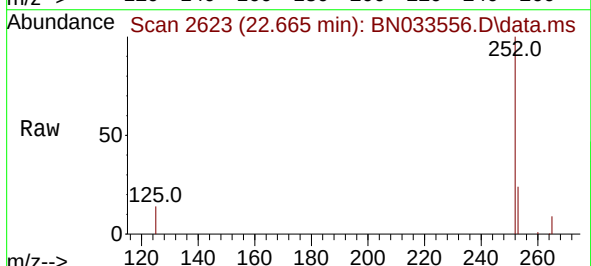
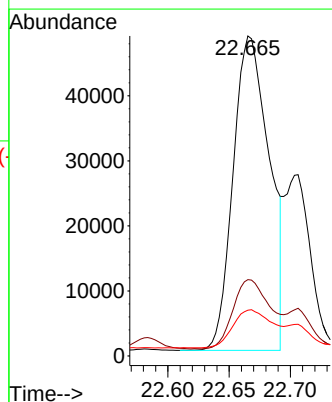
Tgt Ion:252 Resp: 99117

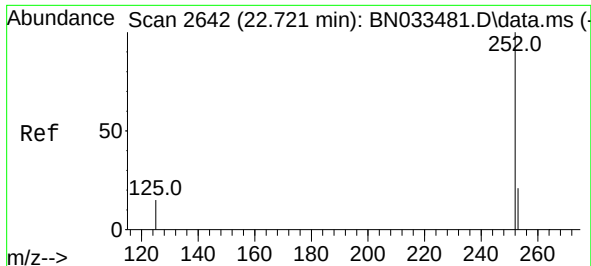
Ion Ratio Lower Upper

252 100

253 23.9 19.8 29.8

125 14.3 13.9 20.9





#38

Benzo(k)fluoranthene

Concen: 1.602 ng

RT: 22.665 min Scan# 2

Delta R.T. -0.056 min

Lab File: BN033556.D

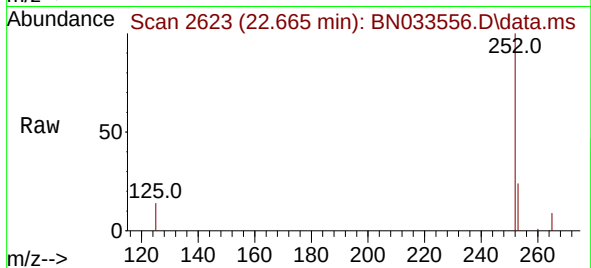
Acq: 22 Aug 2024 17:07

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524DL



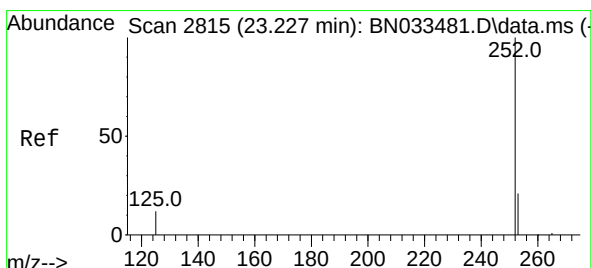
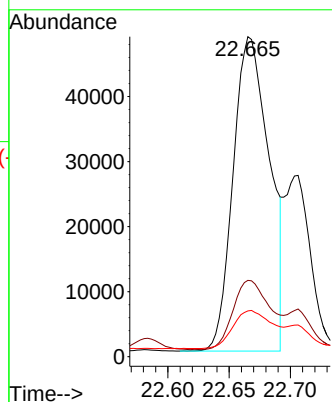
Tgt Ion:252 Resp: 99117

Ion Ratio Lower Upper

252 100

253 23.9 19.8 29.8

125 14.3 15.8 23.8#



#39

Benzo(a)pyrene

Concen: 1.135 ng

RT: 23.124 min Scan# 2780

Delta R.T. -0.102 min

Lab File: BN033556.D

Acq: 22 Aug 2024 17:07

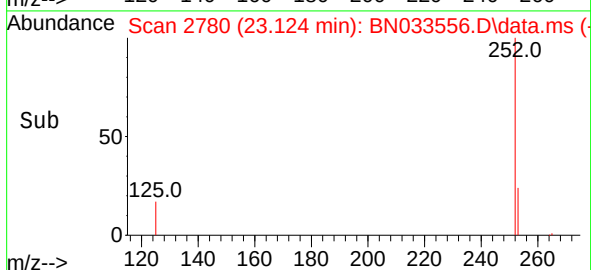
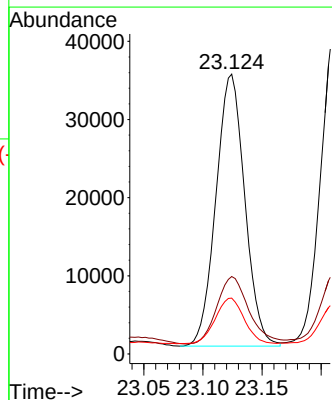
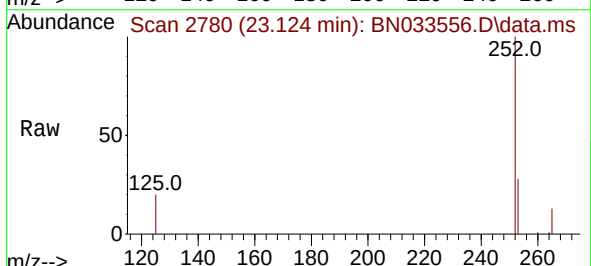
Tgt Ion:252 Resp: 59034

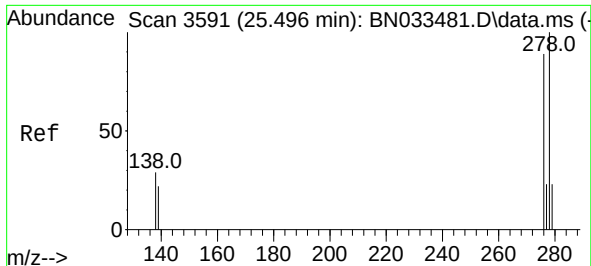
Ion Ratio Lower Upper

252 100

253 27.6 21.5 32.3

125 20.0 17.0 25.4





#40

Dibenzo(a,h)anthracene

Concen: 0.221 ng

RT: 25.466 min Scan# 30

Delta R.T. -0.029 min

Lab File: BN033556.D

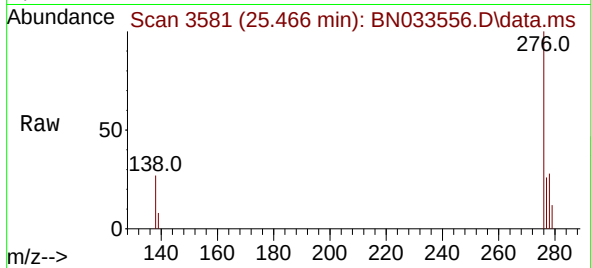
Acq: 22 Aug 2024 17:07

Instrument :

BNA_N

ClientSampleId :

918-J-SD-0-0.5-081524DL



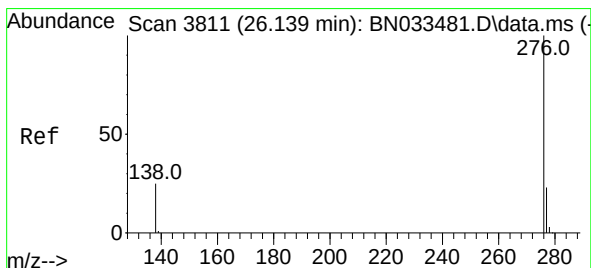
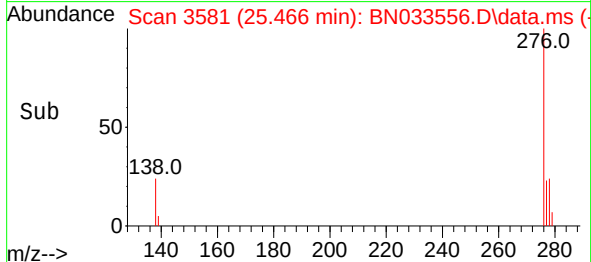
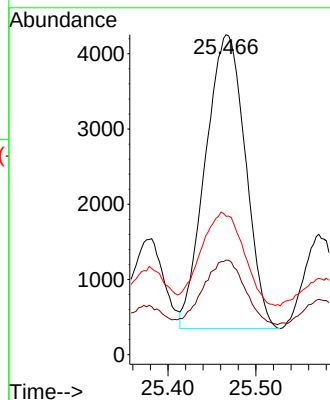
Tgt Ion:278 Resp: 12347

Ion Ratio Lower Upper

278 100

139 29.5 19.1 28.7#

279 43.3 21.0 31.4#



#41

Benzo(g,h,i)perylene

Concen: 0.834 ng

RT: 26.112 min Scan# 3802

Delta R.T. -0.026 min

Lab File: BN033556.D

Acq: 22 Aug 2024 17:07

Tgt Ion:276 Resp: 49801

Ion Ratio Lower Upper

276 100

277 24.9 19.7 29.5

138 27.8 21.8 32.6

