

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033585.D
 Acq On : 23 Aug 2024 12:22
 Operator : MA/JU
 Sample : P3641-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-907-K1-0.5-1.0-081524

Quant Time: Aug 23 13:39:22 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)

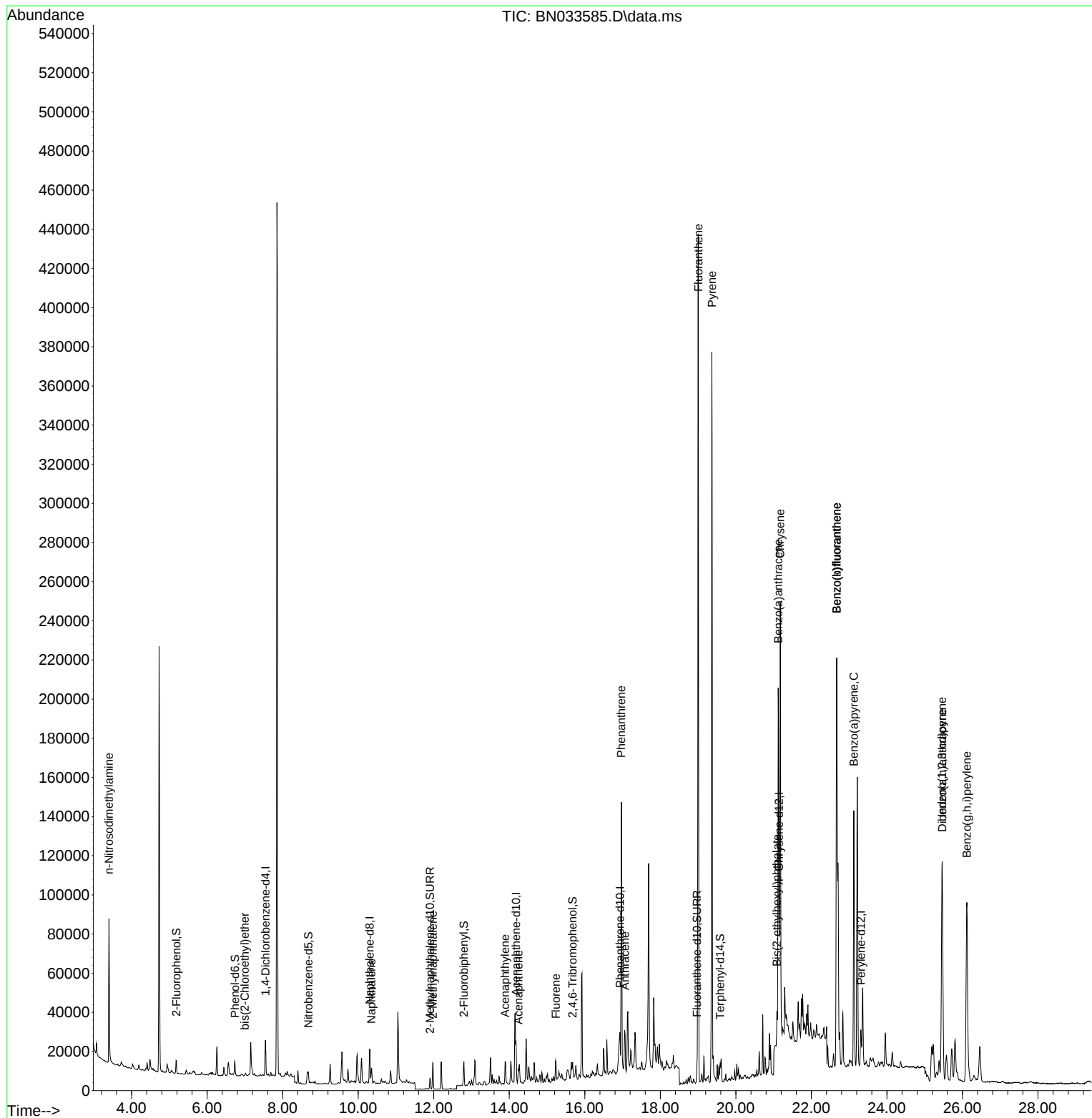
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	7624	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	20848	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	11131	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	22566	0.400	ng	# 0.00
29) Chrysene-d12	21.139	240	18157	0.400	ng	# 0.00
35) Perylene-d12	23.309	264	20705	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.183	112	4924	0.203	ng	0.00
5) Phenol-d6	6.736	99	6132	0.213	ng	0.00
8) Nitrobenzene-d5	8.681	82	4932	0.285	ng	0.00
11) 2-Methylnaphthalene-d10	11.900	152	7470	0.250	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	1577	0.264	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	10113	0.222	ng	0.00
27) Fluoranthene-d10	18.970	212	11457	0.211	ng	0.00
31) Terphenyl-d14	19.584	244	7904	0.192	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.399	42	8543	0.837	ng	# 1
6) bis(2-Chloroethyl)ether	6.996	93	927	0.045	ng	# 19
9) Naphthalene	10.346	128	10298	0.185	ng	95
12) 2-Methylnaphthalene	11.975	142	9286	0.263	ng	98
16) Acenaphthylene	13.889	152	13237	0.271	ng	98
17) Acenaphthene	14.242	154	3144	0.092	ng	93
18) Fluorene	15.236	166	5926	0.137	ng	84
25) Phenanthrene	16.967	178	132565	2.112	ng	100
26) Anthracene	17.066	178	22296	0.401	ng	# 95
28) Fluoranthene	19.003	202	376844	5.432	ng	100
30) Pyrene	19.365	202	323718	3.995	ng	# 95
32) Benzo(a)anthracene	21.121	228	165578	2.522	ng	96
33) Chrysene	21.175	228	194762	2.985	ng	98
34) Bis(2-ethylhexyl)phtha...	21.086	149	30058	0.723	ng	# 72
36) Indeno(1,2,3-cd)pyrene	25.461	276	171730	1.998	ng	# 93
37) Benzo(b)fluoranthene	22.668	252	313428	4.054	ng	# 94
38) Benzo(k)fluoranthene	22.668	252	313428	4.118	ng	# 92
39) Benzo(a)pyrene	23.125	252	159112	2.487	ng	94
40) Dibenzo(a,h)anthracene	25.466	278	37179	0.541	ng	92
41) Benzo(g,h,i)perylene	26.115	276	174579	2.375	ng	98

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

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S-907-K1-0.5-1.0-081524

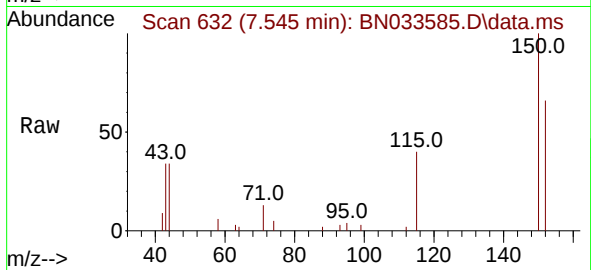
Quant Time: Aug 23 13:39:22 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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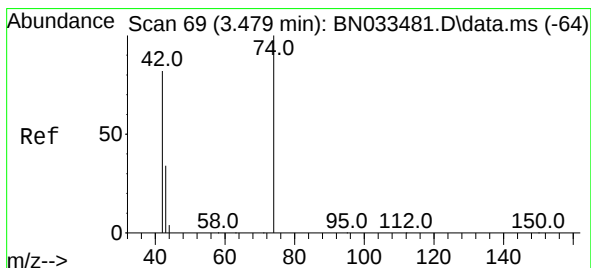
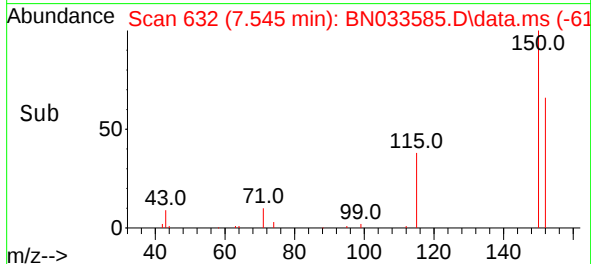
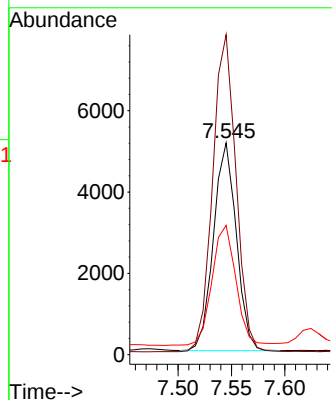


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524

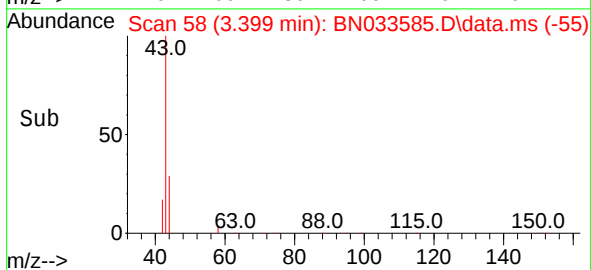
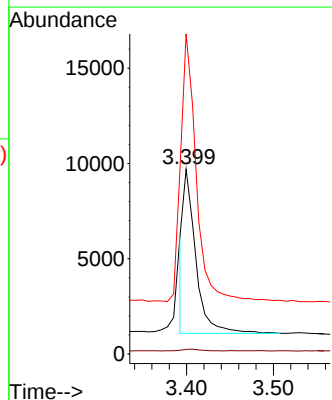
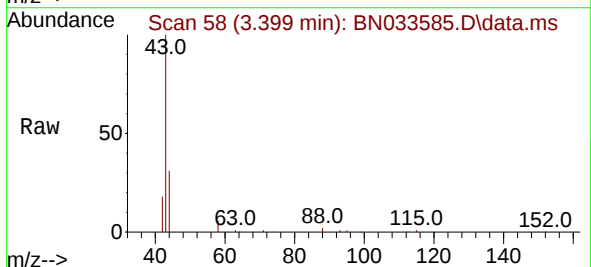


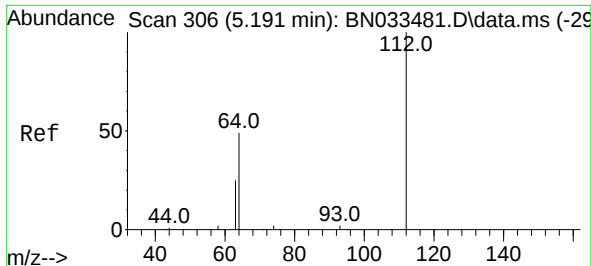
Tgt Ion:152 Resp: 7624
Ion Ratio Lower Upper
152 100
150 151.0 122.2 183.2
115 61.0 47.2 70.8



#3
n-Nitrosodimethylamine
Concen: 0.837 ng
RT: 3.399 min Scan# 58
Delta R.T. -0.079 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

Tgt Ion: 42 Resp: 8543
Ion Ratio Lower Upper
42 100
74 1.2 100.2 150.2#
44 169.9 5.3 7.9#

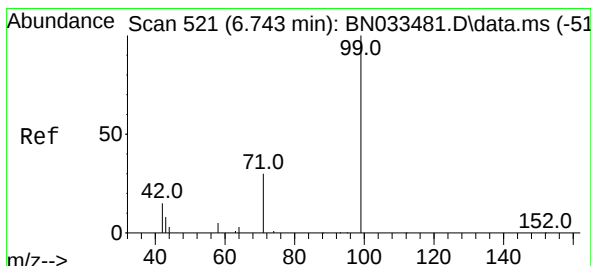
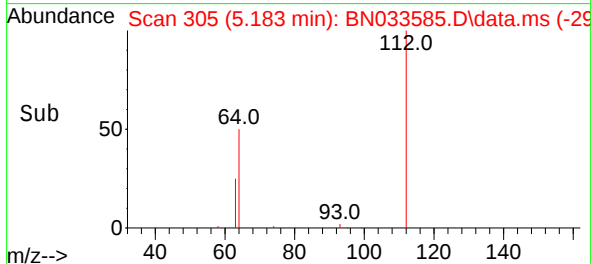
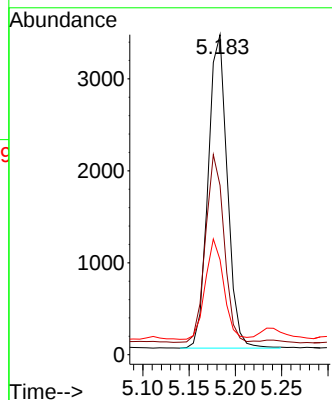
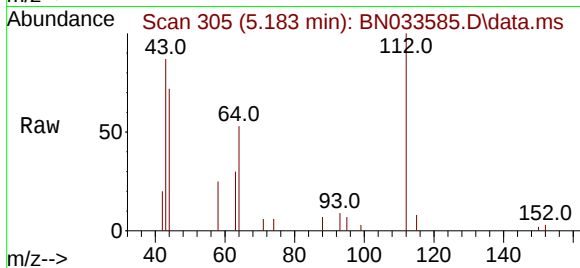




#4
2-Fluorophenol
Concen: 0.203 ng
RT: 5.183 min Scan# 306
Delta R.T. 0.007 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

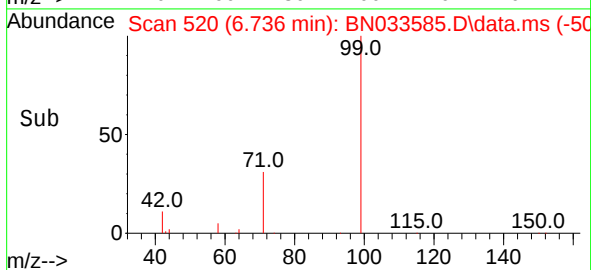
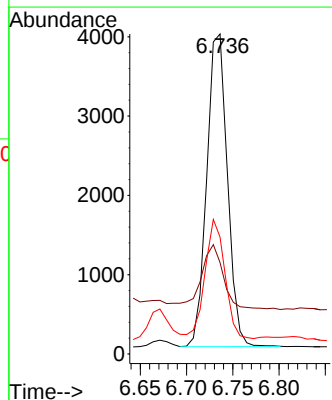
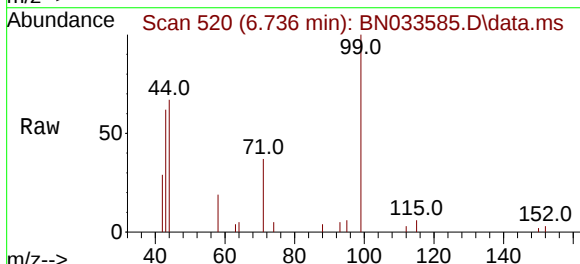
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524

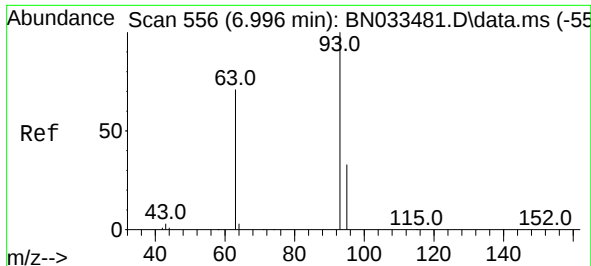
Tgt Ion:	112	Resp:	4924
Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.1	70.7
63	30.6	24.9	37.3



#5
Phenol-d6
Concen: 0.213 ng
RT: 6.736 min Scan# 520
Delta R.T. 0.007 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

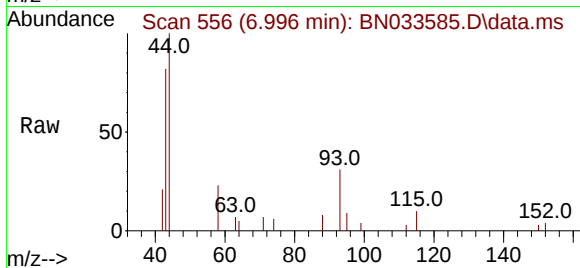
Tgt Ion:	99	Resp:	6132
Ion	Ratio	Lower	Upper
99	100		
42	22.0	16.6	24.8
71	36.6	26.2	39.4



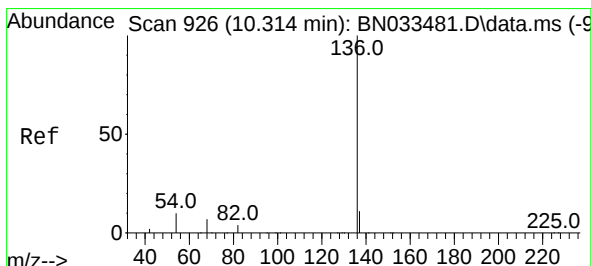
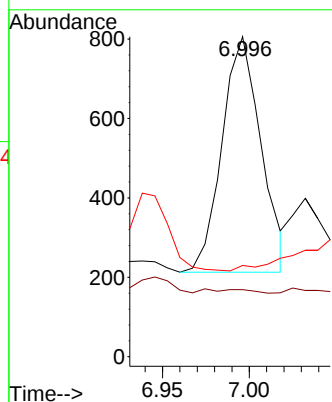
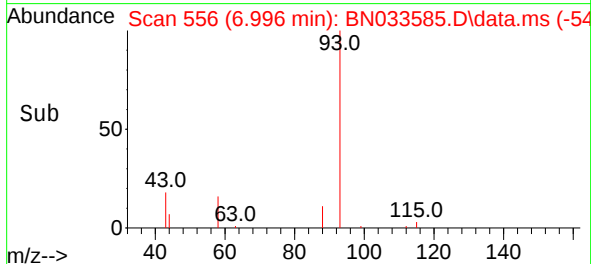


#6
bis(2-Chloroethyl)ether
Concen: 0.045 ng
RT: 6.996 min Scan# 556
Delta R.T. 0.014 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

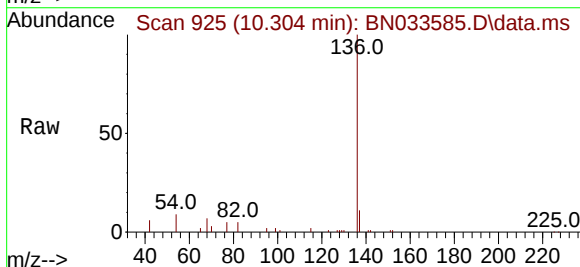
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524



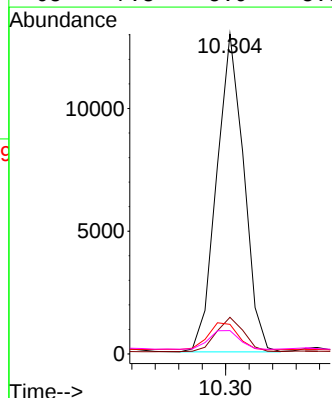
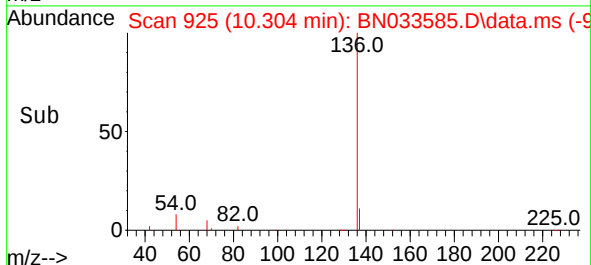
Tgt Ion: 93 Resp: 927
Ion Ratio Lower Upper
93 100
63 0.0 63.0 94.4#
95 0.0 26.0 39.0#

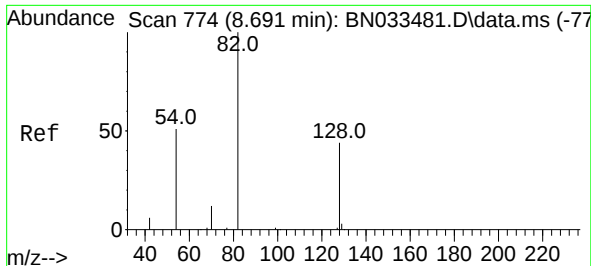


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 925
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22



Tgt Ion: 136 Resp: 20848
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.6
54 9.2 8.3 12.5
68 7.3 5.9 8.9

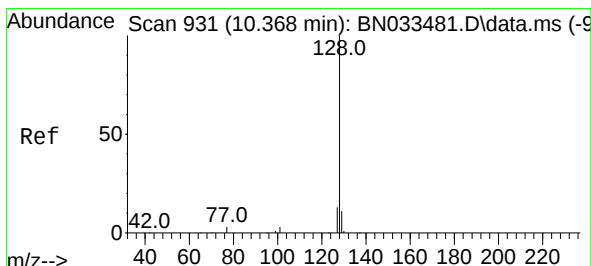
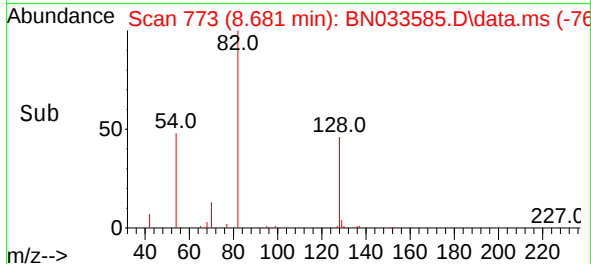
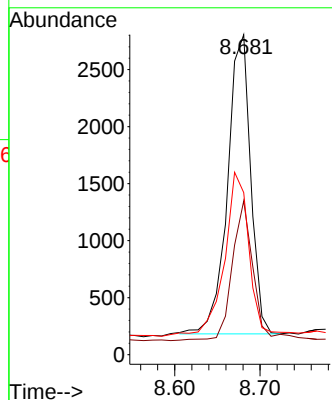
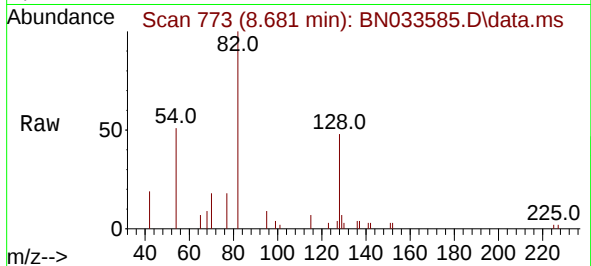




#8
Nitrobenzene-d5
Concen: 0.285 ng
RT: 8.681 min Scan# 71
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

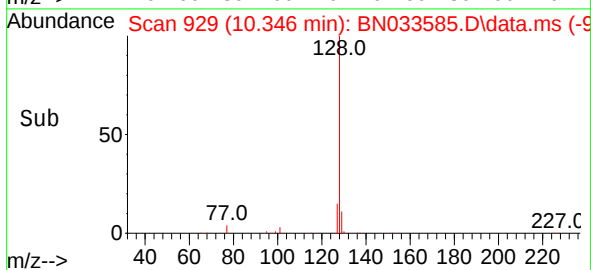
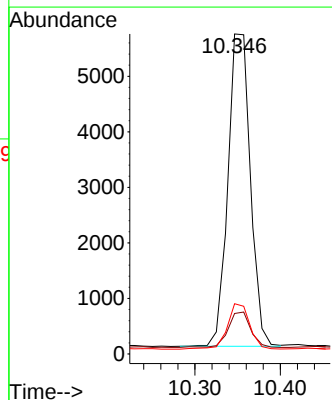
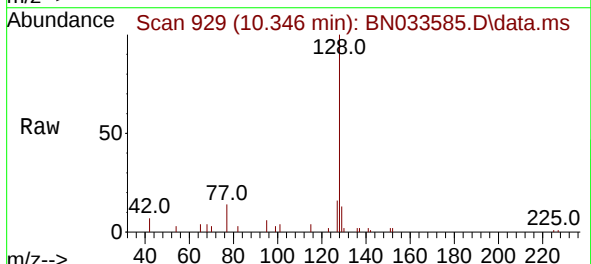
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S-907-K1-0.5-1.0-081524

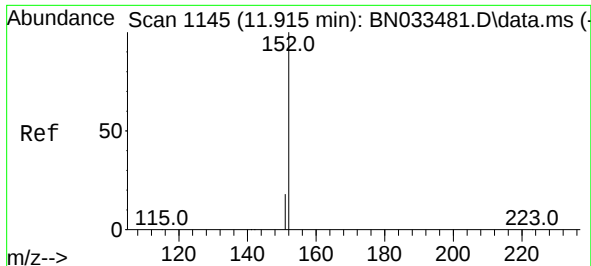
Tgt Ion: 82 Resp: 4932
Ion Ratio Lower Upper
82 100
128 48.0 36.0 54.0
54 50.6 42.0 63.0



#9
Naphthalene
Concen: 0.185 ng
RT: 10.346 min Scan# 929
Delta R.T. -0.011 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

Tgt Ion: 128 Resp: 10298
Ion Ratio Lower Upper
128 100
129 12.7 9.1 13.7
127 15.7 10.7 16.1





#11

2-Methylnaphthalene-d10

Concen: 0.250 ng

RT: 11.900 min Scan# 1141

Delta R.T. -0.004 min

Lab File: BN033585.D

Acq: 23 Aug 2024 12:22

Instrument :

BNA_N

ClientSampleId :

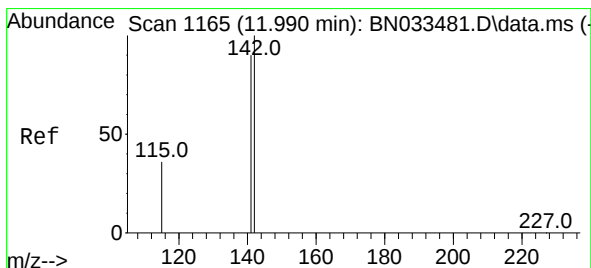
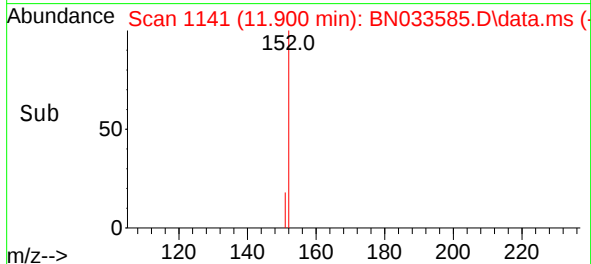
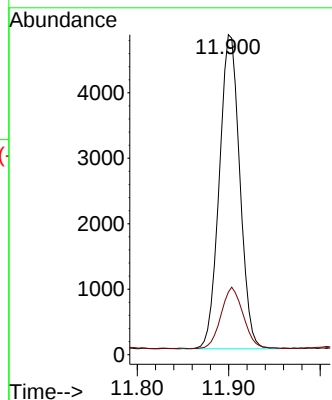
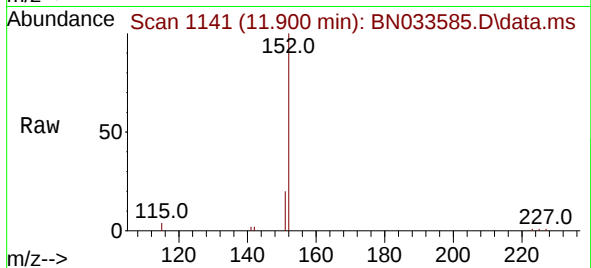
S-907-K1-0.5-1.0-081524

Tgt Ion:152 Resp: 7470

Ion Ratio Lower Upper

152 100

151 21.3 16.6 25.0



#12

2-Methylnaphthalene

Concen: 0.263 ng

RT: 11.975 min Scan# 1161

Delta R.T. -0.004 min

Lab File: BN033585.D

Acq: 23 Aug 2024 12:22

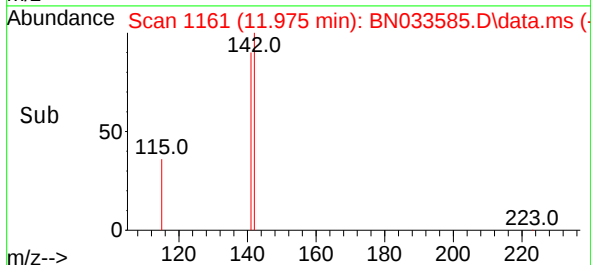
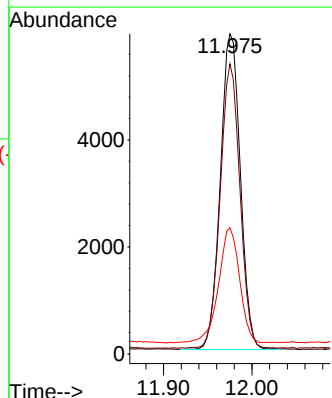
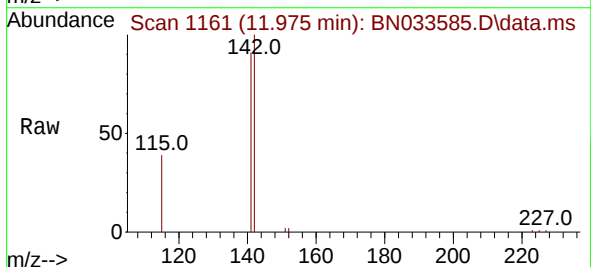
Tgt Ion:142 Resp: 9286

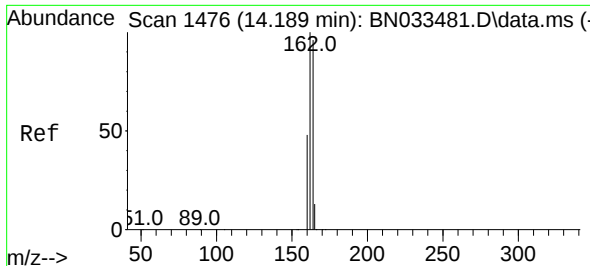
Ion Ratio Lower Upper

142 100

141 90.7 71.7 107.5

115 39.5 29.4 44.2

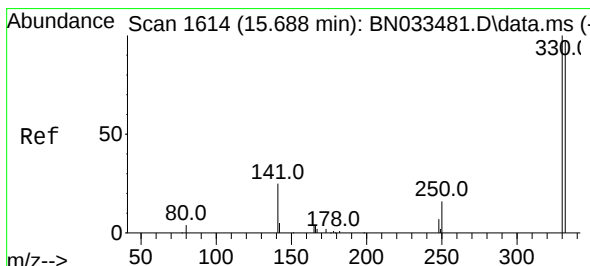
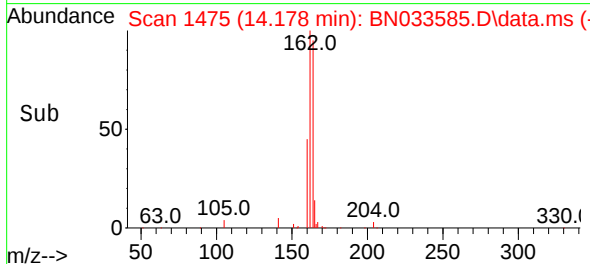
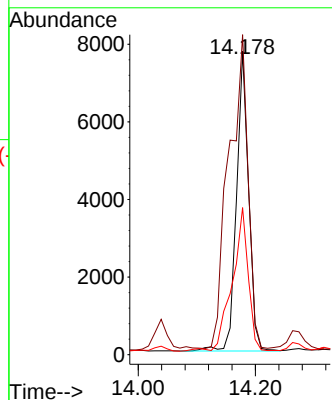
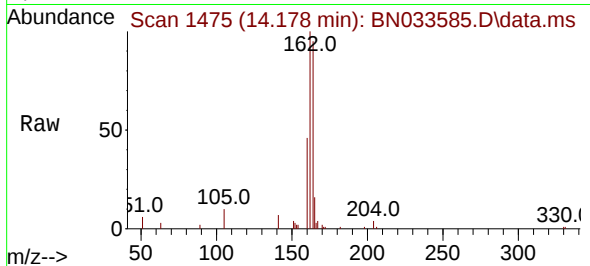




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.178 min Scan# 1476
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

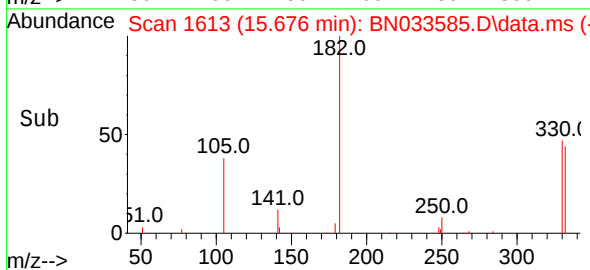
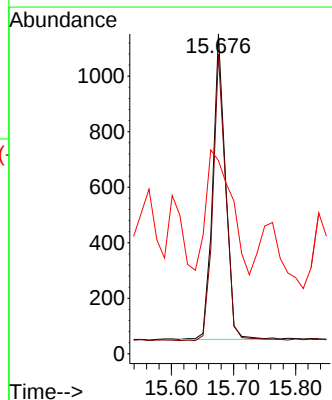
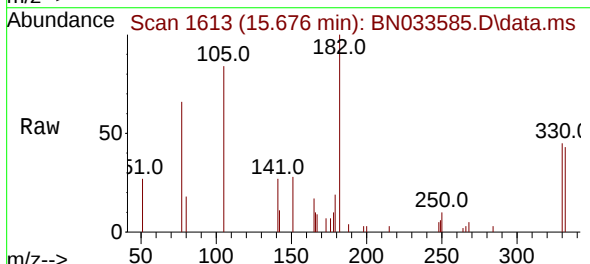
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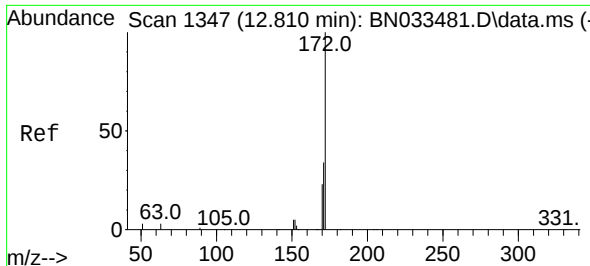
Tgt Ion:164 Resp: 11131
Ion Ratio Lower Upper
164 100
162 105.5 83.5 125.3
160 48.5 40.2 60.4



#14
2,4,6-Tribromophenol
Concen: 0.264 ng
RT: 15.676 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

Tgt Ion:330 Resp: 1577
Ion Ratio Lower Upper
330 100
332 94.4 77.5 116.3
141 79.0 33.9 50.9#





#15

2-Fluorobiphenyl

Concen: 0.222 ng

RT: 12.799 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BN033585.D

Acq: 23 Aug 2024 12:22

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0.5-1.0-081524

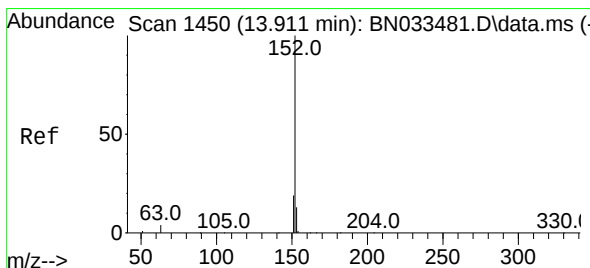
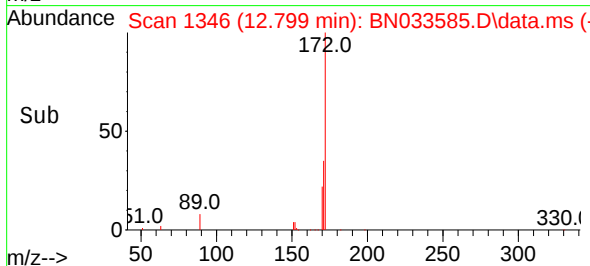
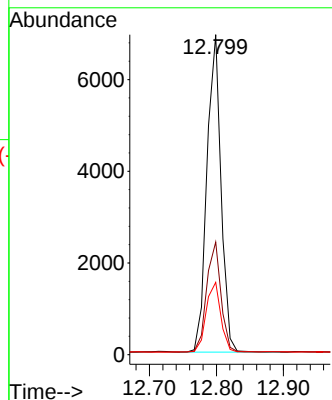
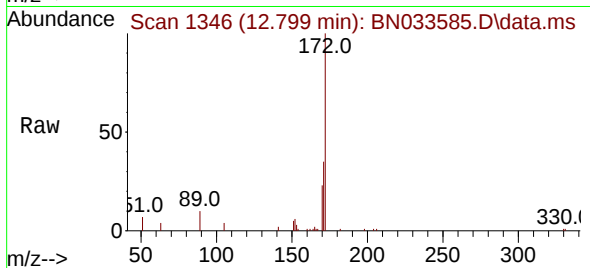
Tgt Ion:172 Resp: 10113

Ion Ratio Lower Upper

172 100

171 35.2 27.7 41.5

170 22.6 18.3 27.5



#16

Acenaphthylene

Concen: 0.271 ng

RT: 13.889 min Scan# 1448

Delta R.T. -0.011 min

Lab File: BN033585.D

Acq: 23 Aug 2024 12:22

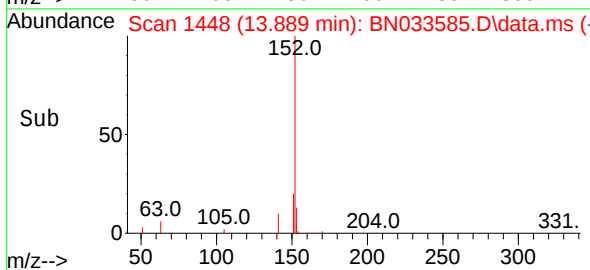
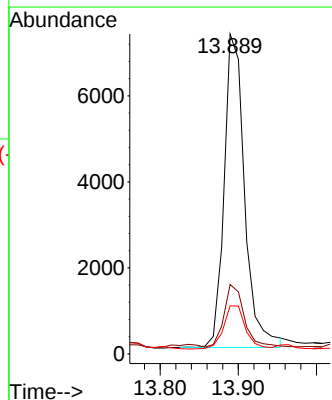
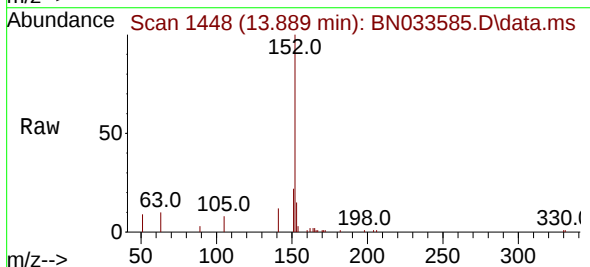
Tgt Ion:152 Resp: 13237

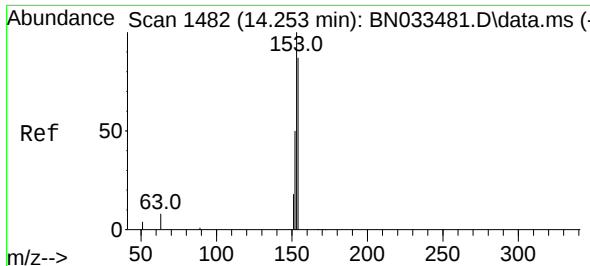
Ion Ratio Lower Upper

152 100

151 19.4 15.7 23.5

153 14.9 10.3 15.5

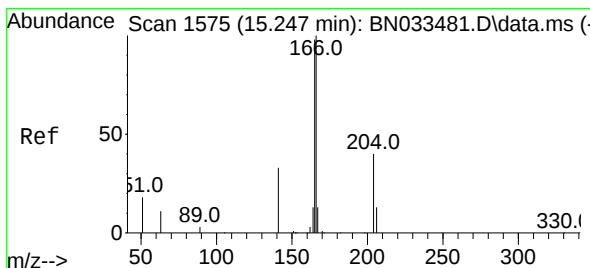
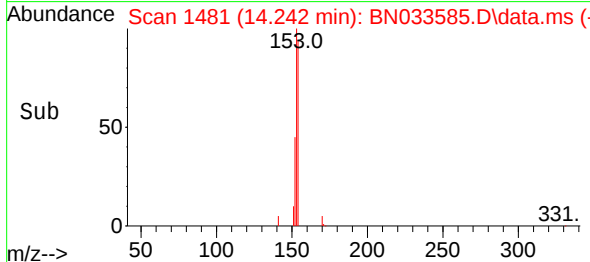
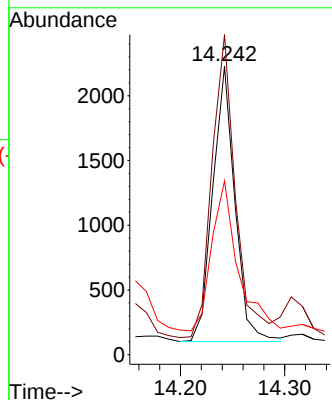
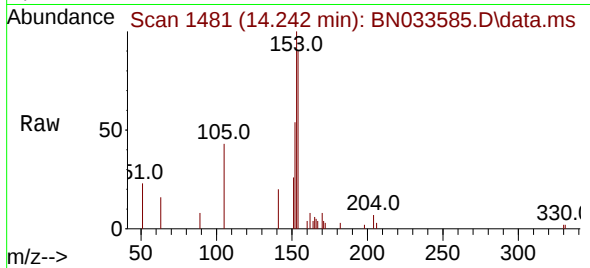




#17
Acenaphthene
Concen: 0.092 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

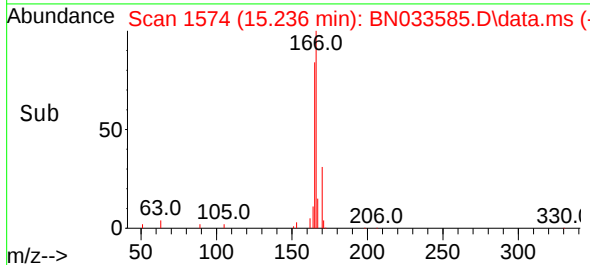
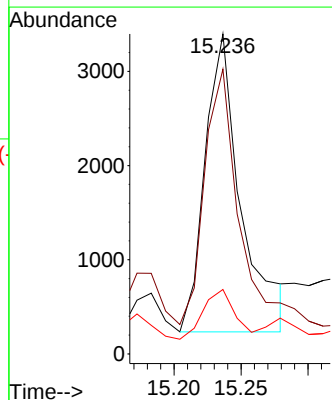
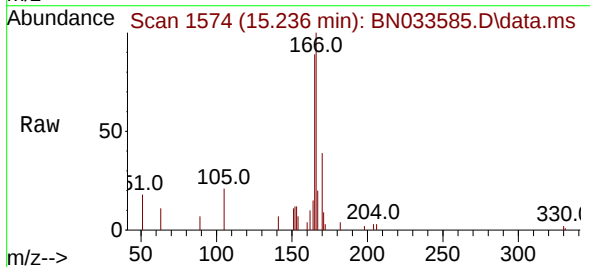
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524

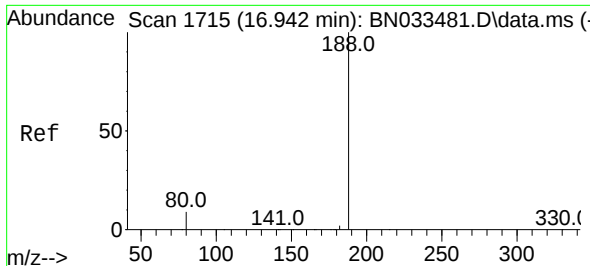
Tgt Ion:154 Resp: 3144
Ion Ratio Lower Upper
154 100
153 116.2 89.0 133.6
152 64.1 45.2 67.8



#18
Fluorene
Concen: 0.137 ng
RT: 15.236 min Scan# 1574
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

Tgt Ion:166 Resp: 5926
Ion Ratio Lower Upper
166 100
165 80.6 78.2 117.4
167 14.7 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: BN033585.D

Acq: 23 Aug 2024 12:22

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0.5-1.0-081524

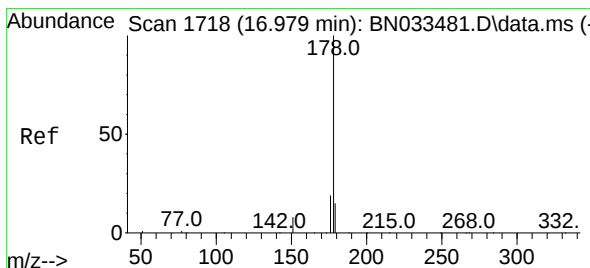
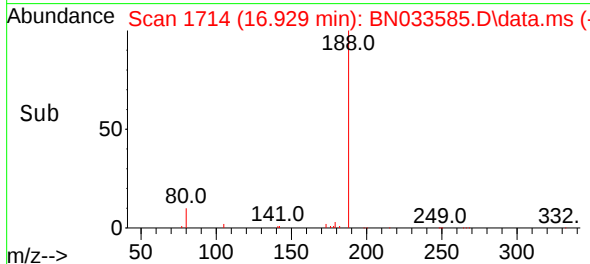
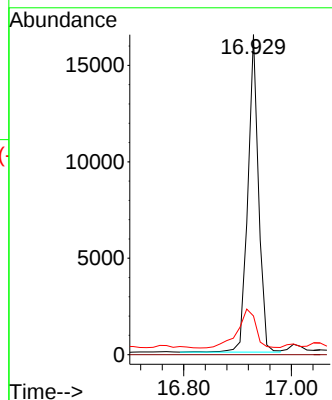
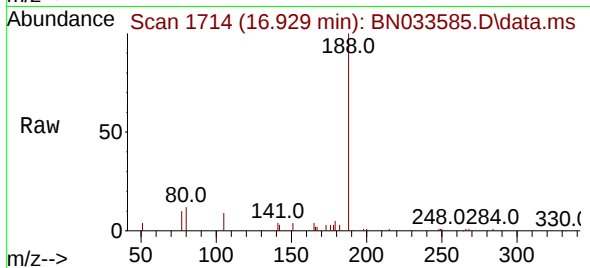
Tgt Ion:188 Resp: 22566

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.1 7.8 11.8#



#25

Phenanthrene

Concen: 2.112 ng

RT: 16.967 min Scan# 1717

Delta R.T. -0.000 min

Lab File: BN033585.D

Acq: 23 Aug 2024 12:22

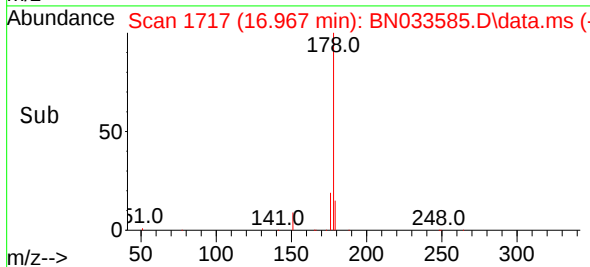
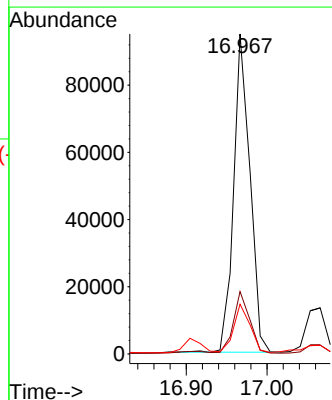
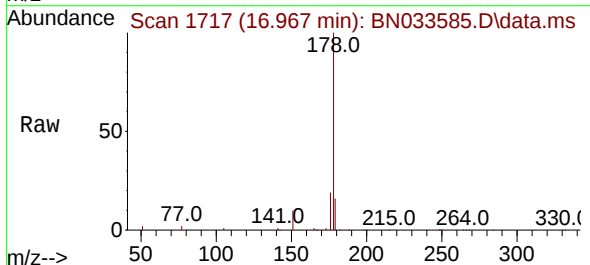
Tgt Ion:178 Resp: 132565

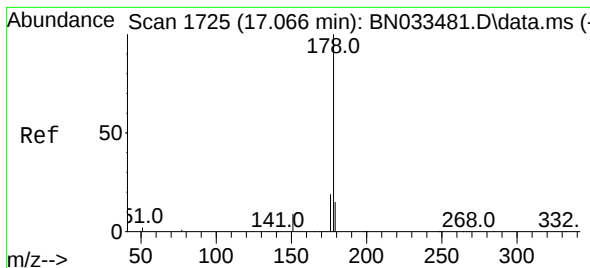
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 15.0 12.3 18.5





#26

Anthracene

Concen: 0.401 ng

RT: 17.066 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN033585.D

Acq: 23 Aug 2024 12:22

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0.5-1.0-081524

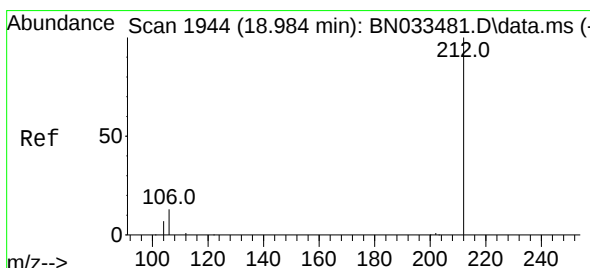
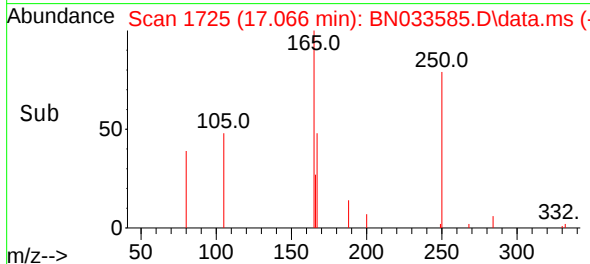
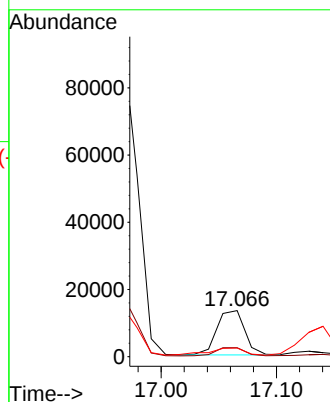
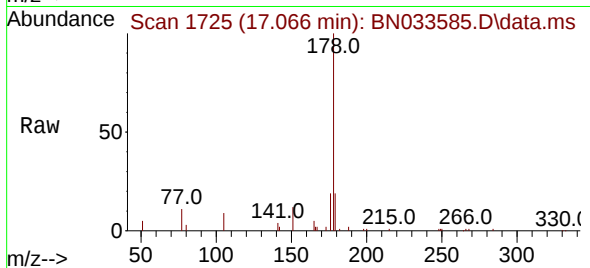
Tgt Ion:178 Resp: 22296

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 20.2 12.4 18.6#



#27

Fluoranthene-d10

Concen: 0.211 ng

RT: 18.970 min Scan# 1941

Delta R.T. -0.000 min

Lab File: BN033585.D

Acq: 23 Aug 2024 12:22

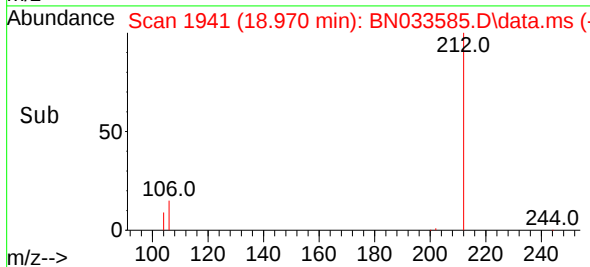
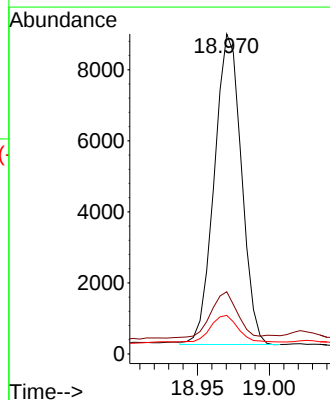
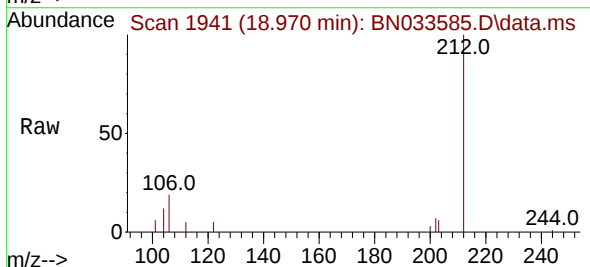
Tgt Ion:212 Resp: 11457

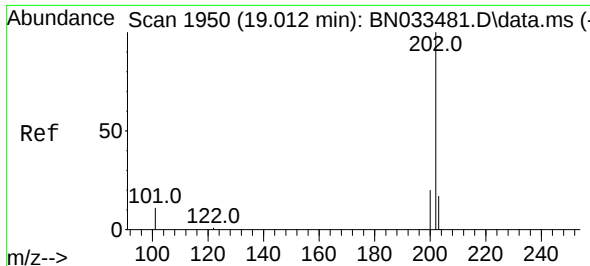
Ion Ratio Lower Upper

212 100

106 15.6 12.3 18.5

104 11.5 7.0 10.4#

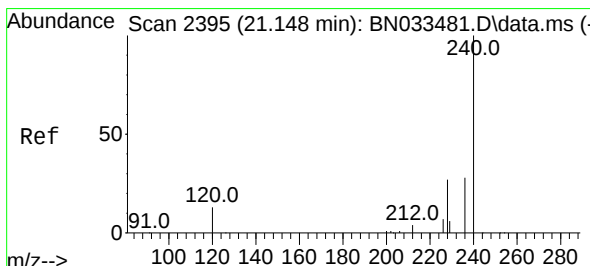
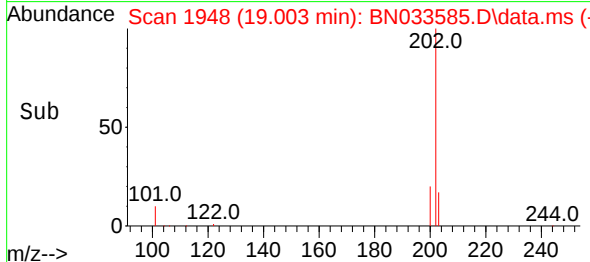
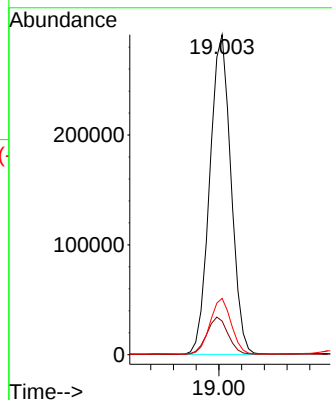
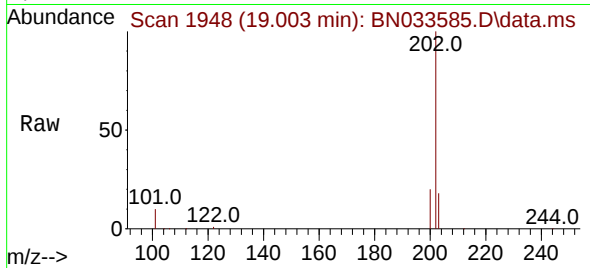




#28
Fluoranthene
Concen: 5.432 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

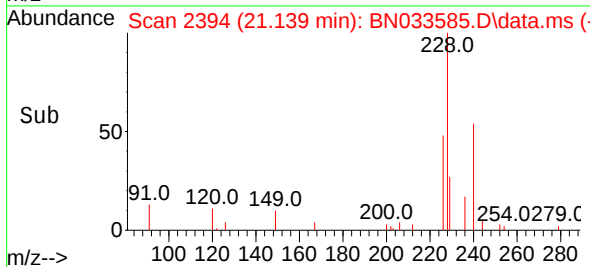
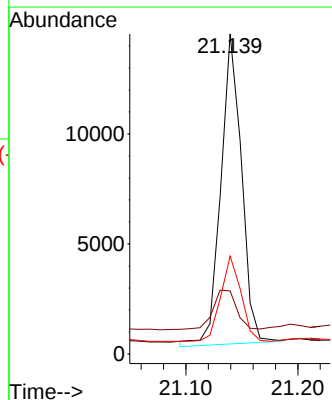
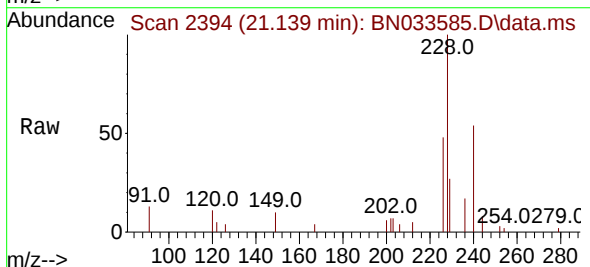
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524

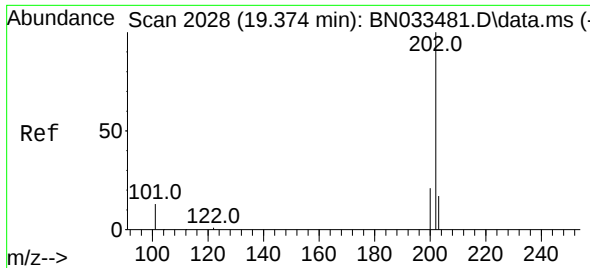
Tgt Ion:202 Resp: 376844
Ion Ratio Lower Upper
202 100
101 11.7 9.5 14.3
203 17.3 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

Tgt Ion:240 Resp: 18157
Ion Ratio Lower Upper
240 100
120 19.7 12.4 18.6#
236 30.6 23.0 34.6





#30

Pyrene

Concen: 3.995 ng

RT: 19.365 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BN033585.D

Acq: 23 Aug 2024 12:22

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0.5-1.0-081524

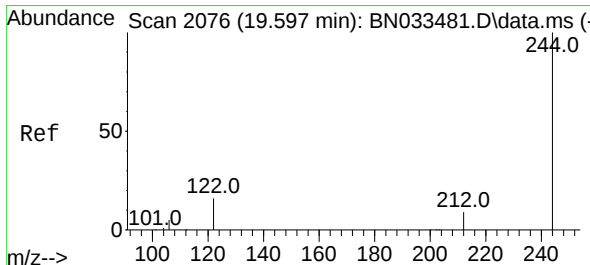
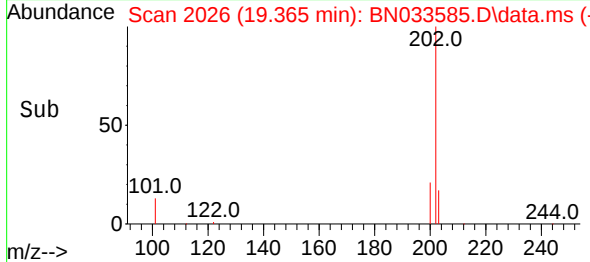
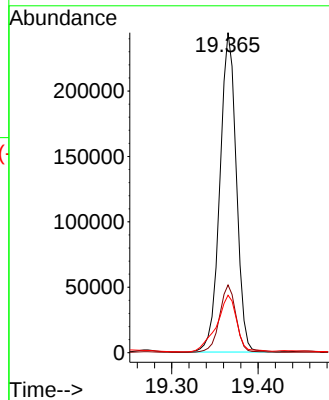
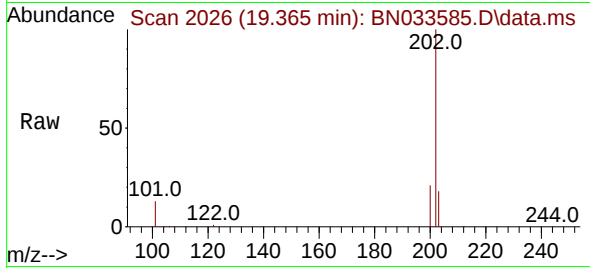
Tgt Ion:202 Resp: 323718

Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 21.7 14.2 21.4#



#31

Terphenyl-d14

Concen: 0.192 ng

RT: 19.584 min Scan# 2073

Delta R.T. -0.000 min

Lab File: BN033585.D

Acq: 23 Aug 2024 12:22

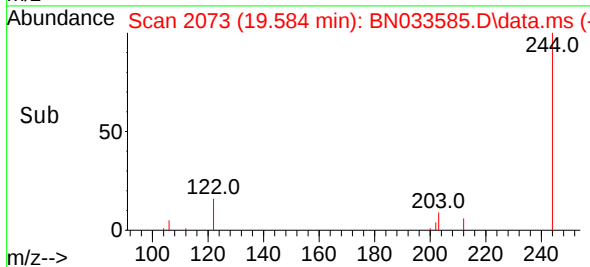
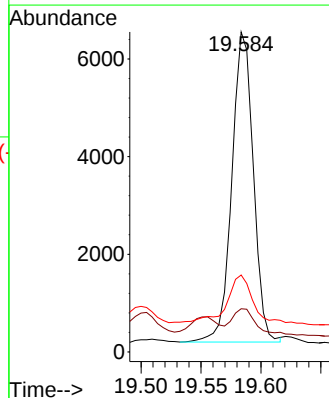
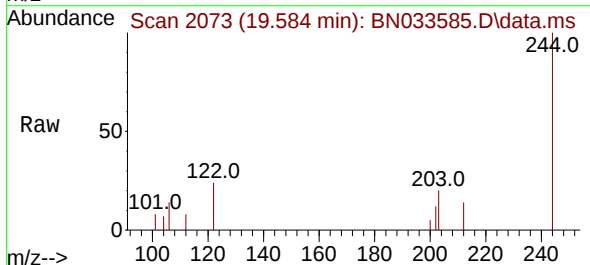
Tgt Ion:244 Resp: 7904

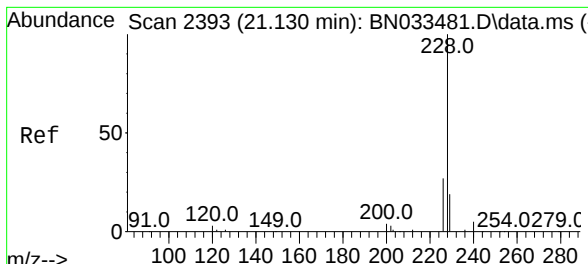
Ion Ratio Lower Upper

244 100

212 13.5 7.8 11.6#

122 24.0 13.3 19.9#



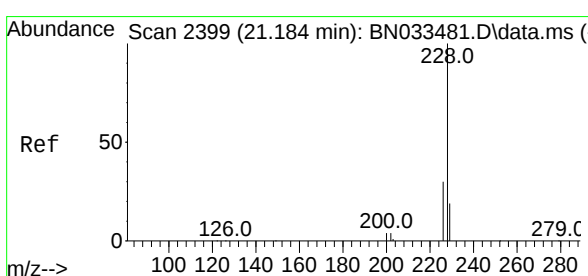
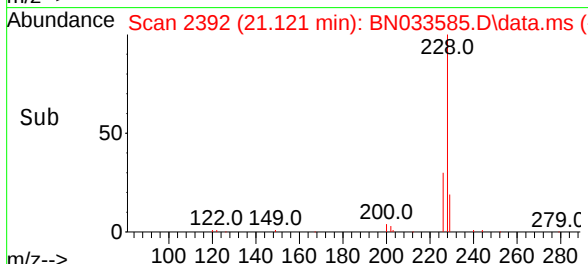
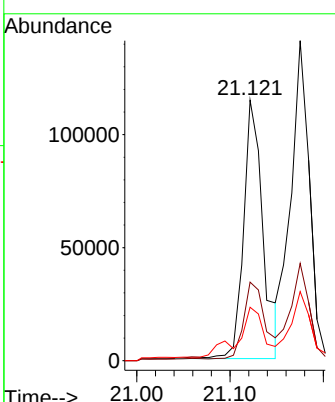
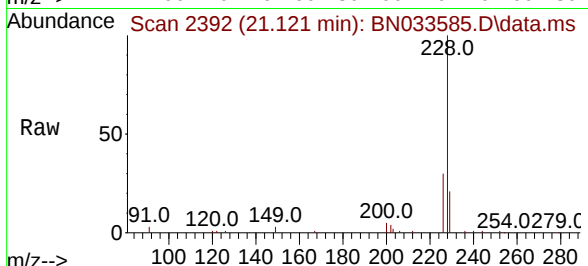


#32
Benzo(a)anthracene
Concen: 2.522 ng
RT: 21.121 min Scan# 24
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524

Tgt Ion:228 Resp: 165578

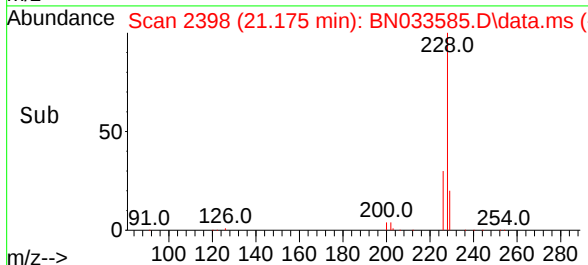
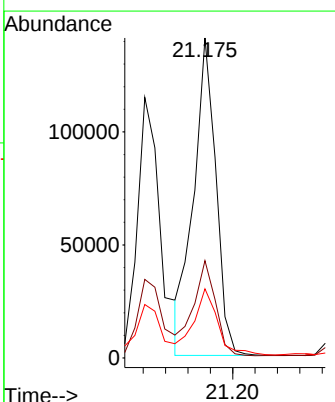
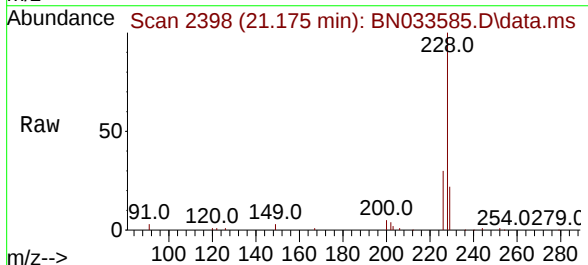
Ion	Ratio	Lower	Upper
228	100		
226	30.2	21.8	32.6
229	20.5	15.8	23.6

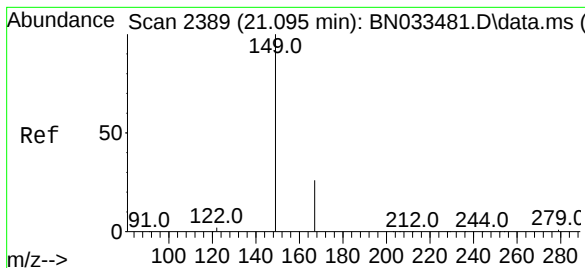


#33
Chrysene
Concen: 2.985 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

Tgt Ion:228 Resp: 194762

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.8
229	21.6	15.6	23.4

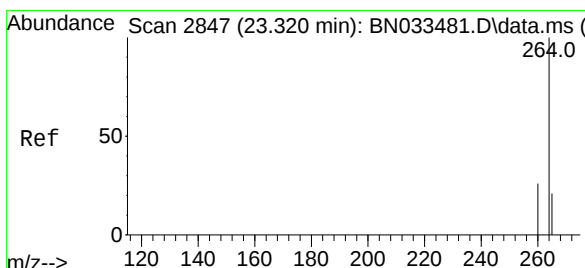
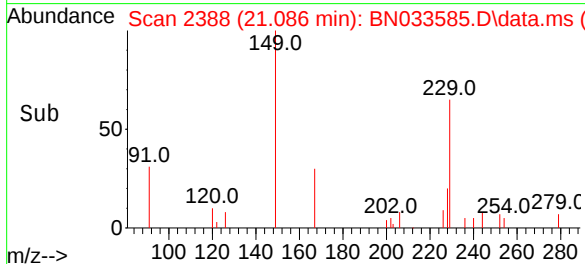
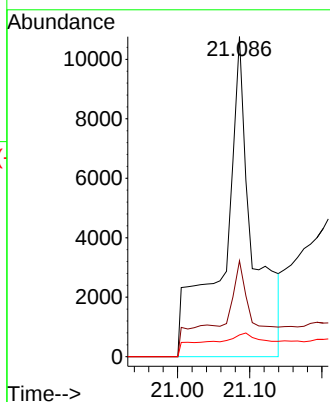
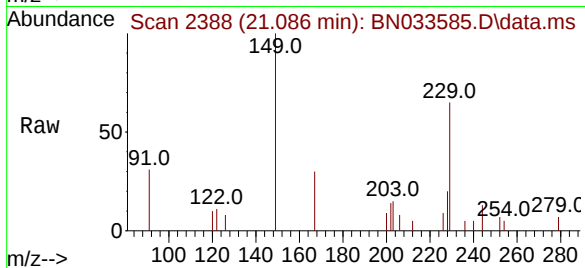




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.723 ng
RT: 21.086 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

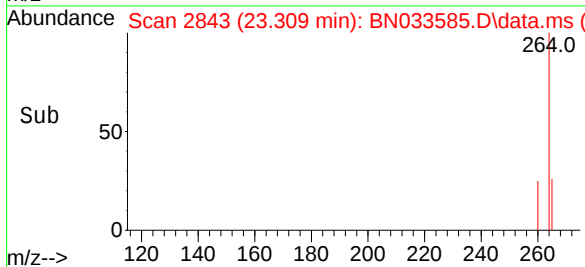
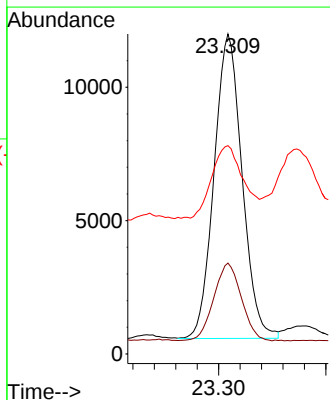
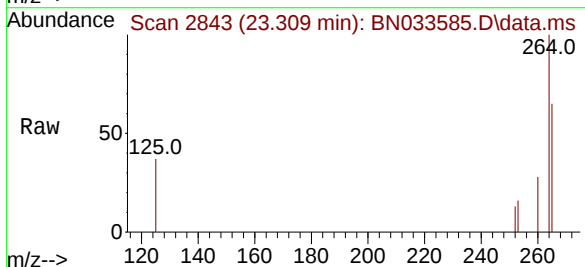
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524

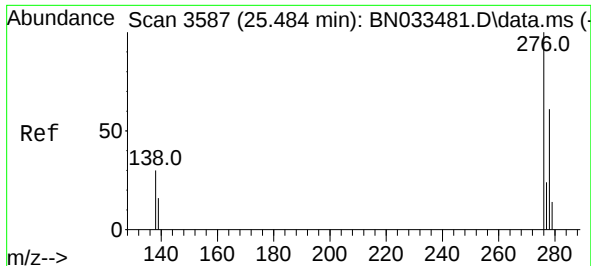
Tgt Ion:149 Resp: 30058
Ion Ratio Lower Upper
149 100
167 12.8 21.5 32.3#
279 15.5 2.2 3.2#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.309 min Scan# 2843
Delta R.T. 0.006 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

Tgt Ion:264 Resp: 20705
Ion Ratio Lower Upper
264 100
260 28.4 20.8 31.2
265 65.1 52.2 78.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 1.998 ng

RT: 25.461 min Scan# 3579

Delta R.T. 0.012 min

Lab File: BN033585.D

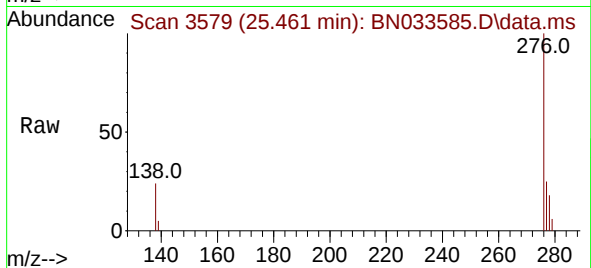
Acq: 23 Aug 2024 12:22

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0.5-1.0-081524



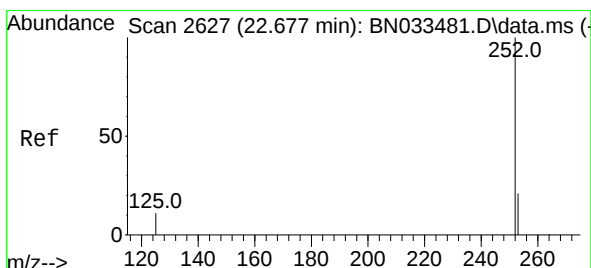
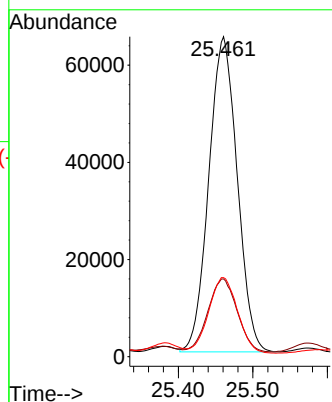
Tgt Ion:276 Resp: 171730

Ion Ratio Lower Upper

276 100

138 23.8 24.4 36.6#

277 24.4 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 4.054 ng

RT: 22.668 min Scan# 2624

Delta R.T. 0.009 min

Lab File: BN033585.D

Acq: 23 Aug 2024 12:22

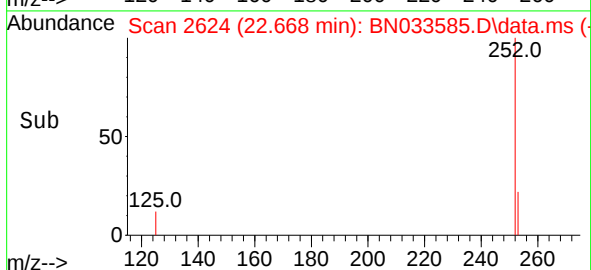
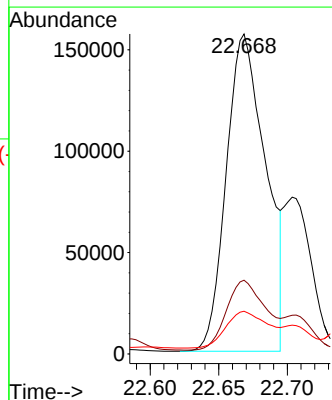
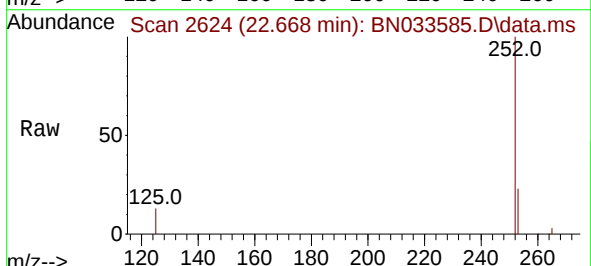
Tgt Ion:252 Resp: 313428

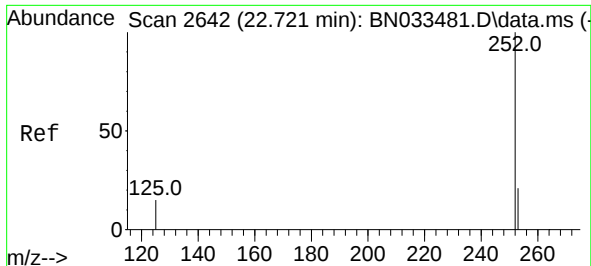
Ion Ratio Lower Upper

252 100

253 23.1 19.8 29.8

125 13.4 13.9 20.9#





#38

Benzo(k)fluoranthene

Concen: 4.118 ng

RT: 22.668 min Scan# 2

Delta R.T. -0.035 min

Lab File: BN033585.D

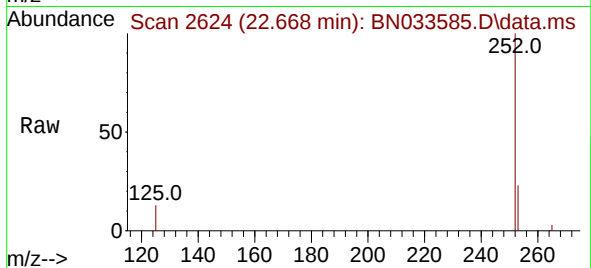
Acq: 23 Aug 2024 12:22

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0.5-1.0-081524



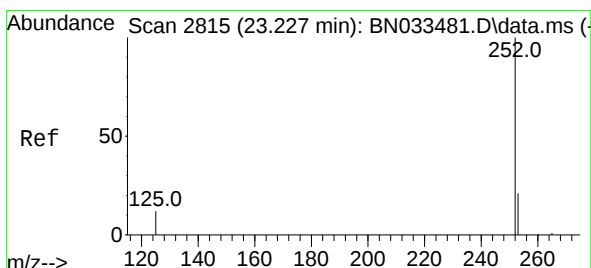
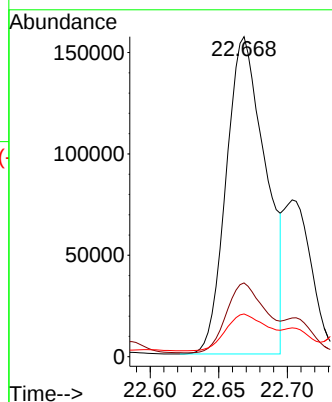
Tgt Ion:252 Resp: 313428

Ion Ratio Lower Upper

252 100

253 23.1 19.8 29.8

125 13.4 15.8 23.8#



#39

Benzo(a)pyrene

Concen: 2.487 ng

RT: 23.125 min Scan# 2780

Delta R.T. -0.085 min

Lab File: BN033585.D

Acq: 23 Aug 2024 12:22

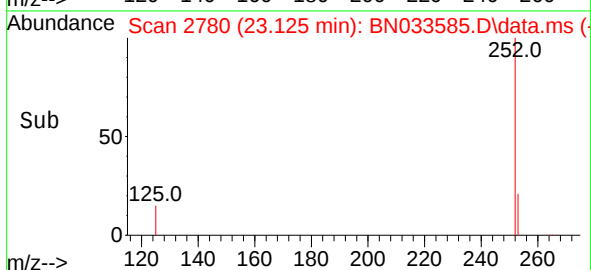
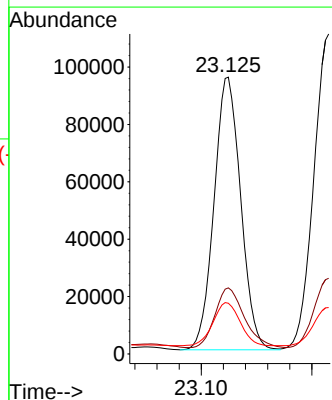
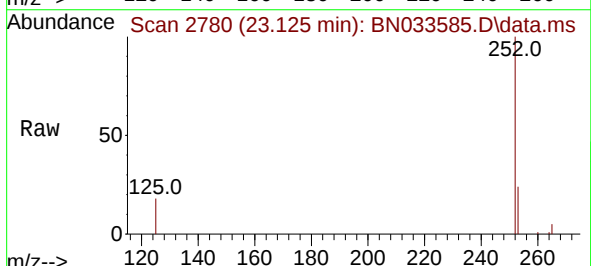
Tgt Ion:252 Resp: 159112

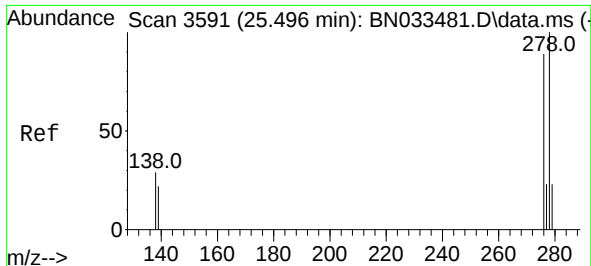
Ion Ratio Lower Upper

252 100

253 23.9 21.5 32.3

125 18.3 17.0 25.4

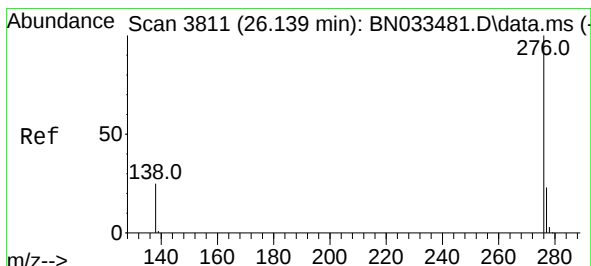
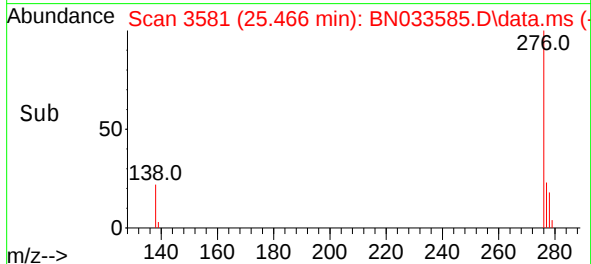
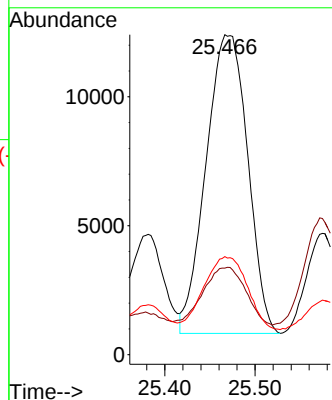
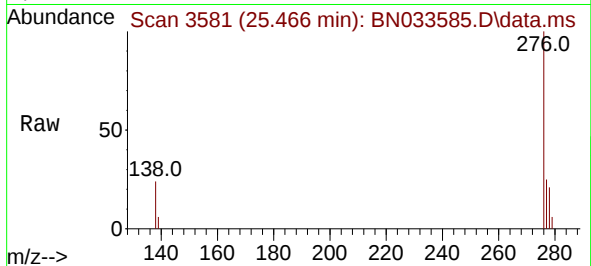




#40
Dibenzo(a,h)anthracene
Concen: 0.541 ng
RT: 25.466 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

Instrument :
BNA_N
ClientSampleId :
S-907-K1-0.5-1.0-081524

Tgt Ion:278 Resp: 37179
Ion Ratio Lower Upper
278 100
139 27.0 19.1 28.7
279 30.7 21.0 31.4



#41
Benzo(g,h,i)perylene
Concen: 2.375 ng
RT: 26.115 min Scan# 3803
Delta R.T. 0.012 min
Lab File: BN033585.D
Acq: 23 Aug 2024 12:22

Tgt Ion:276 Resp: 174579
Ion Ratio Lower Upper
276 100
277 24.7 19.7 29.5
138 25.0 21.8 32.6

