

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082324\
 Data File : BN033584.D
 Acq On : 23 Aug 2024 11:46
 Operator : MA/JU
 Sample : P3641-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S-907-K1-0-0.5-081524

Quant Time: Aug 23 13:39:01 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)

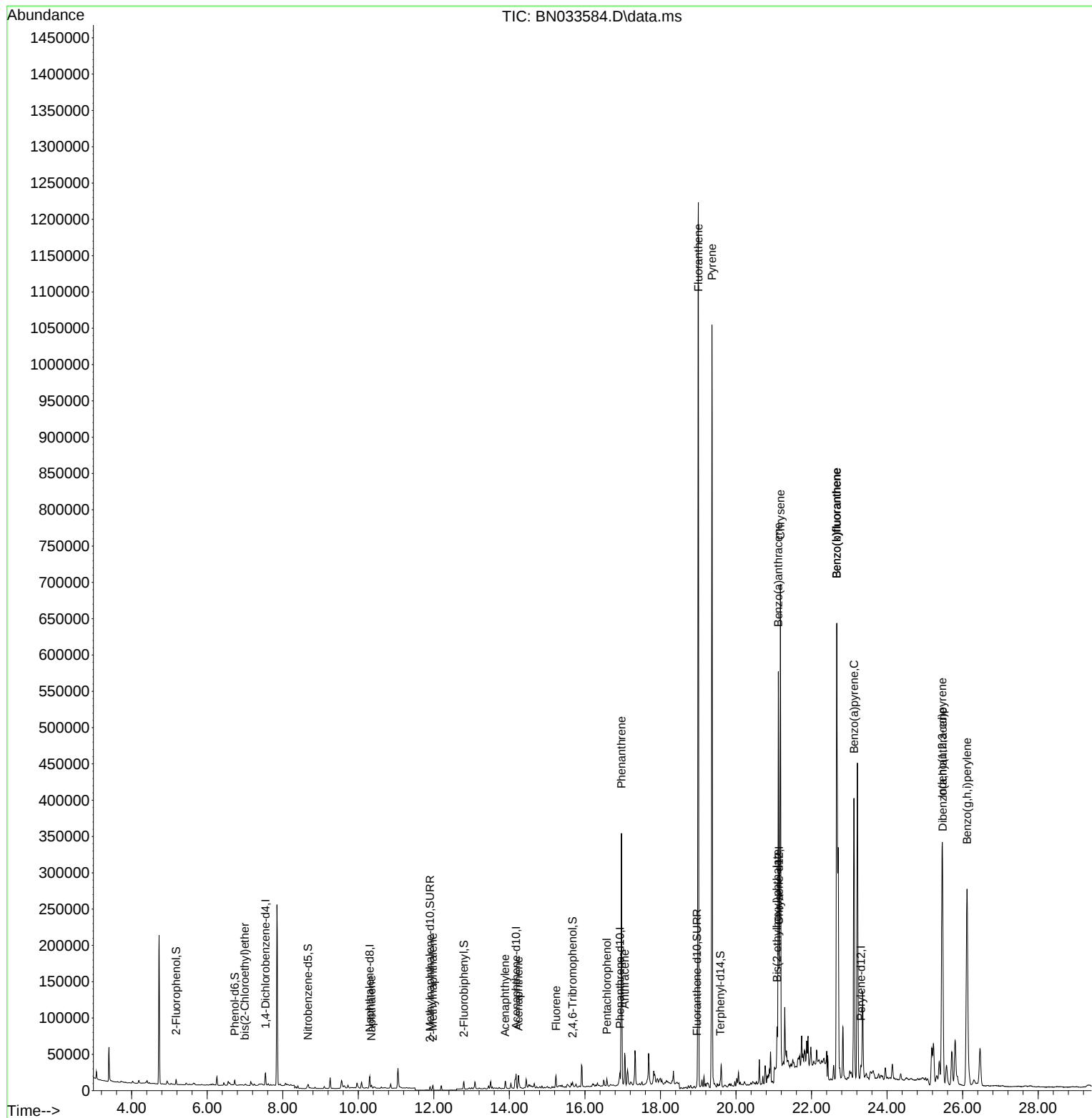
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.545	152	7384	0.400	ng	0.00
7) Naphthalene-d8	10.304	136	19547	0.400	ng	0.00
13) Acenaphthene-d10	14.178	164	10113	0.400	ng	0.00
19) Phenanthrene-d10	16.929	188	20336	0.400	ng	0.00
29) Chrysene-d12	21.139	240	20362	0.400	ng	# 0.00
35) Perylene-d12	23.309	264	21156	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.176	112	4632	0.197	ng	0.00
5) Phenol-d6	6.729	99	5561	0.199	ng	0.00
8) Nitrobenzene-d5	8.670	82	4311	0.266	ng	-0.01
11) 2-Methylnaphthalene-d10	11.900	152	6472	0.231	ng	0.00
14) 2,4,6-Tribromophenol	15.676	330	1195	0.220	ng	0.00
15) 2-Fluorobiphenyl	12.799	172	8810	0.213	ng	0.00
27) Fluoranthene-d10	18.970	212	10173	0.208	ng	0.00
31) Terphenyl-d14	19.583	244	7039	0.152	ng	0.00
Target Compounds						
						Qvalue
6) bis(2-Chloroethyl)ether	6.996	93	1672	0.084	ng	# 22
9) Naphthalene	10.346	128	5561	0.106	ng	94
12) 2-Methylnaphthalene	11.975	142	4570	0.138	ng	# 96
16) Acenaphthylene	13.889	152	12658	0.285	ng	98
17) Acenaphthene	14.242	154	8634	0.277	ng	97
18) Fluorene	15.236	166	11742	0.299	ng	87
24) Pentachlorophenol	16.582	266	298	0.050	ng	# 83
25) Phenanthrene	16.967	178	329969	5.832	ng	99
26) Anthracene	17.053	178	49733	0.994	ng	# 95
28) Fluoranthene	19.003	202	1086580	17.380	ng	99
30) Pyrene	19.365	202	911848	10.034	ng	# 95
32) Benzo(a)anthracene	21.121	228	486120	6.603	ng	97
33) Chrysene	21.175	228	571214	7.806	ng	97
34) Bis(2-ethylhexyl)phtha...	21.086	149	33725	0.724	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.463	276	523134	5.956	ng	# 93
37) Benzo(b)fluoranthene	22.668	252	945099	11.963	ng	# 93
38) Benzo(k)fluoranthene	22.668	252	945099	12.154	ng	# 91
39) Benzo(a)pyrene	23.124	252	493253	7.545	ng	92
40) Dibenzo(a,h)anthracene	25.472	278	111011	1.581	ng	98
41) Benzo(g,h,i)perylene	26.118	276	534505	7.117	ng	97

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

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S-907-K1-0-0.5-081524

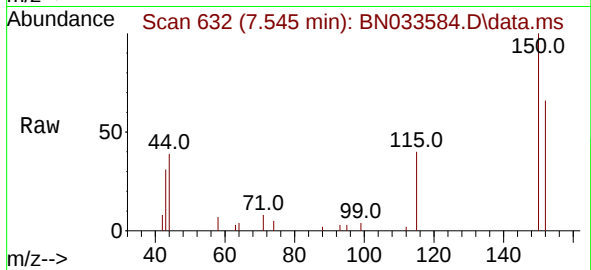
Quant Time: Aug 23 13:39:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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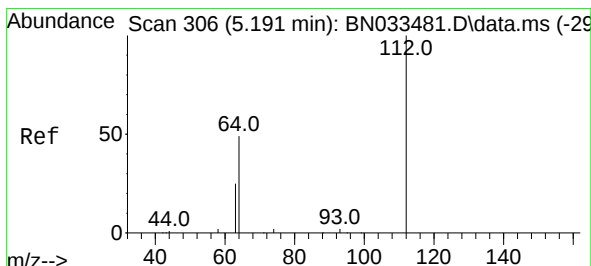
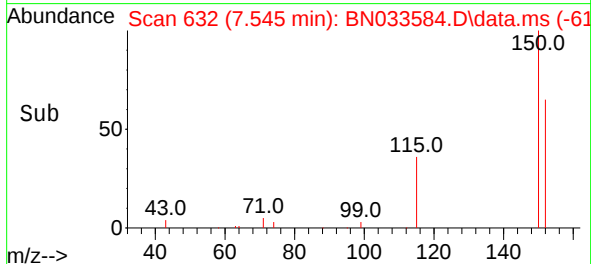
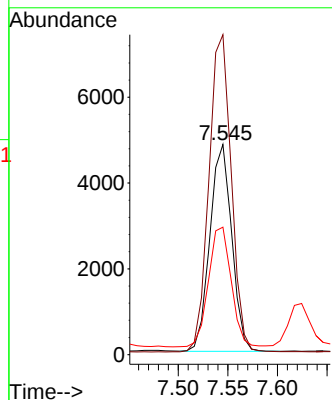


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.545 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

Instrument :
BNA_N
ClientSampleId :
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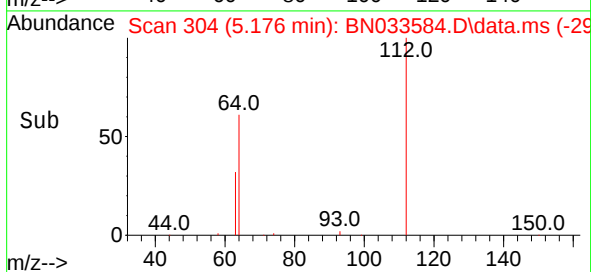
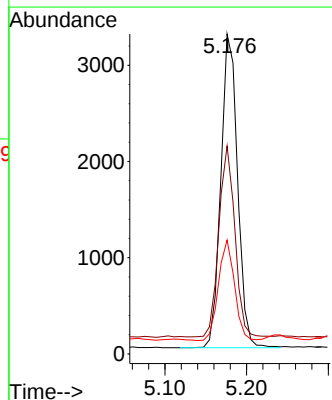
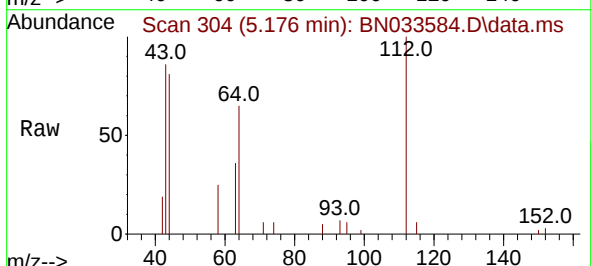


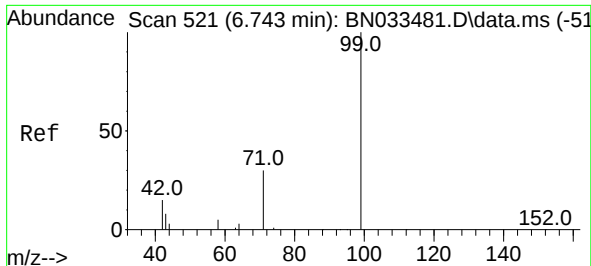
Tgt Ion:152 Resp: 7384
Ion Ratio Lower Upper
152 100
150 152.2 122.2 183.2
115 60.7 47.2 70.8



#4
2-Fluorophenol
Concen: 0.197 ng
RT: 5.176 min Scan# 304
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

Tgt Ion:112 Resp: 4632
Ion Ratio Lower Upper
112 100
64 58.3 47.1 70.7
63 30.7 24.9 37.3

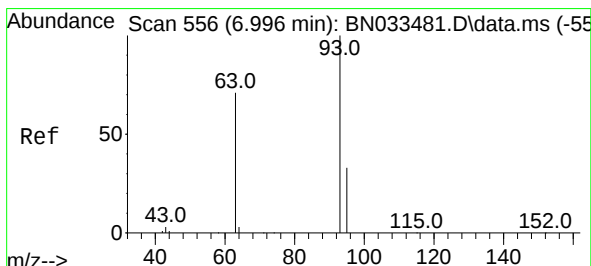
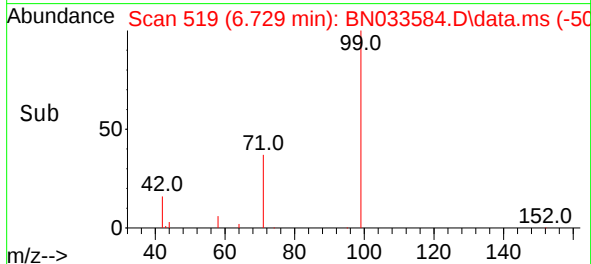
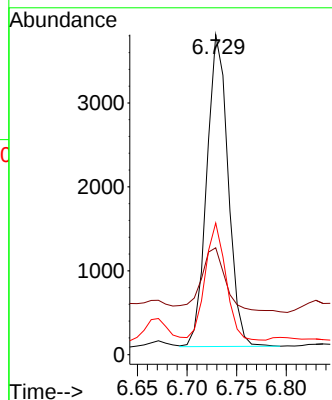
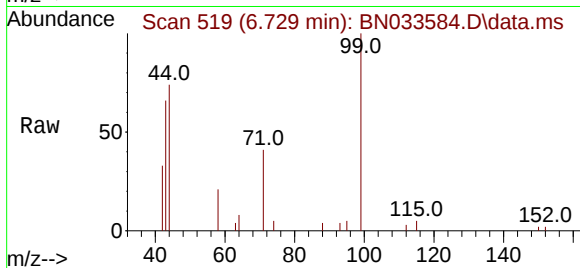




#5
Phenol-d6
Concen: 0.199 ng
RT: 6.729 min Scan# 519
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

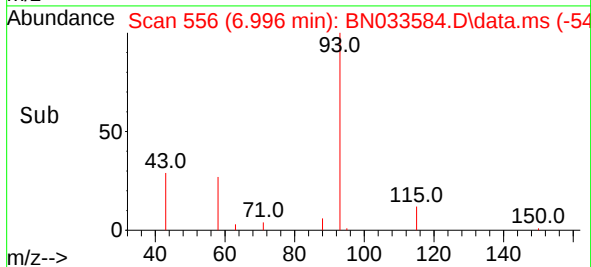
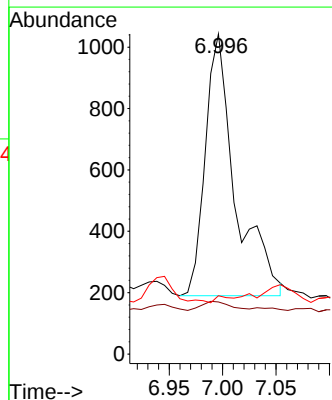
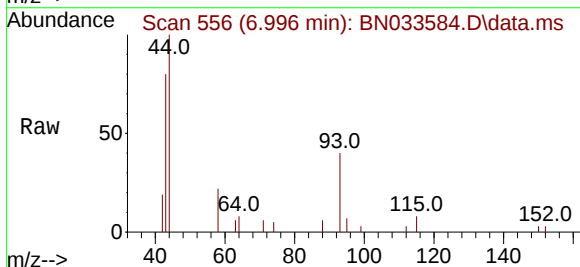
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524

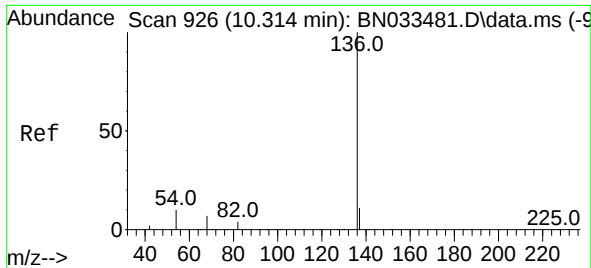
Tgt Ion: 99 Resp: 5561
Ion Ratio Lower Upper
99 100
42 24.9 16.6 24.8#
71 36.6 26.2 39.4



#6
bis(2-Chloroethyl)ether
Concen: 0.084 ng
RT: 6.996 min Scan# 556
Delta R.T. 0.014 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

Tgt Ion: 93 Resp: 1672
Ion Ratio Lower Upper
93 100
63 3.3 63.0 94.4#
95 0.0 26.0 39.0#

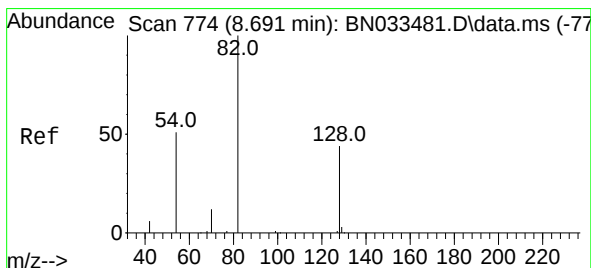
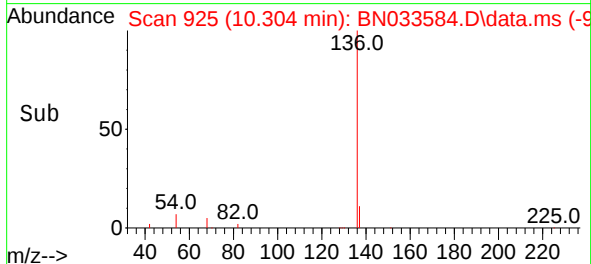
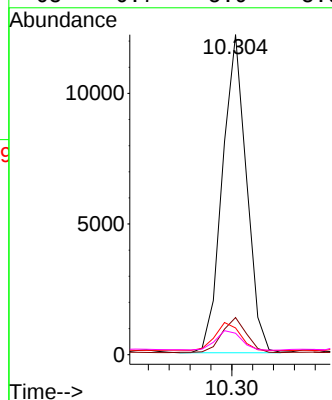
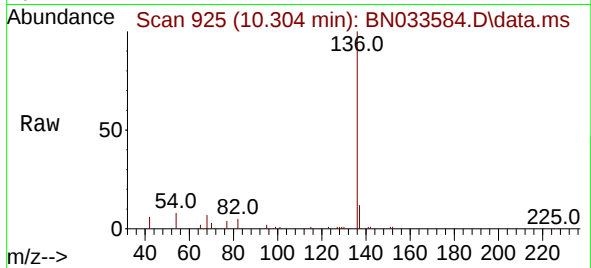




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.304 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

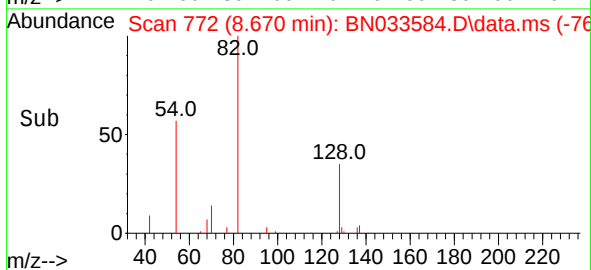
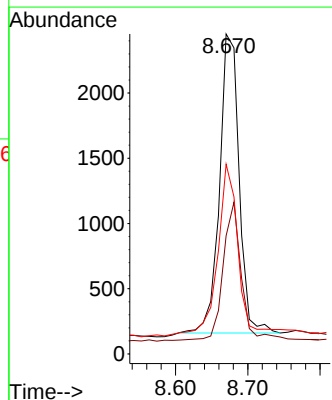
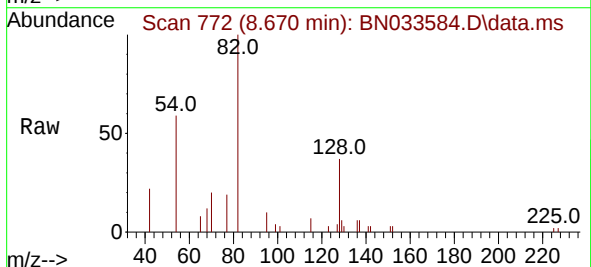
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524

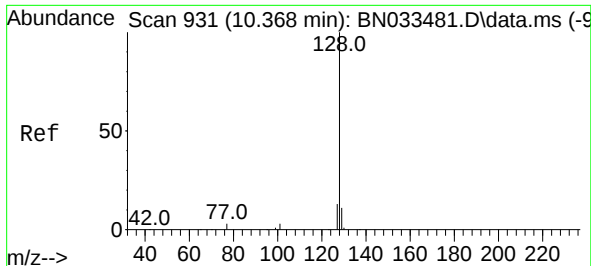
Tgt Ion:	136	Resp:	19547
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.0	13.6
54	8.4	8.3	12.5
68	6.7	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.266 ng
RT: 8.670 min Scan# 772
Delta R.T. -0.011 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

Tgt Ion:	82	Resp:	4311
Ion Ratio	Lower	Upper	
82	100		
128	36.9	36.0	54.0
54	59.3	42.0	63.0

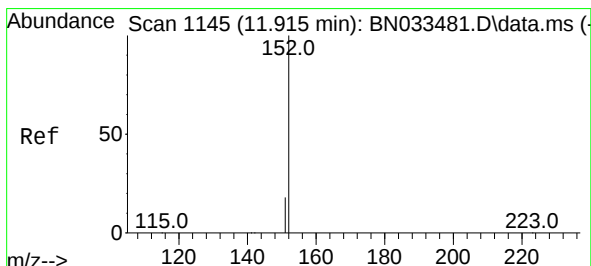
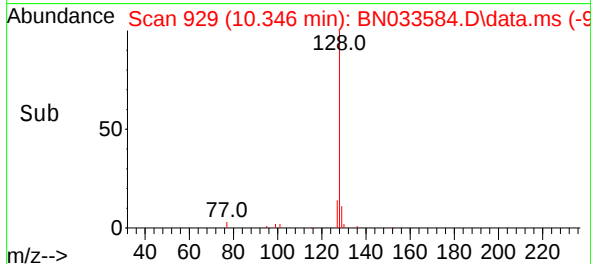
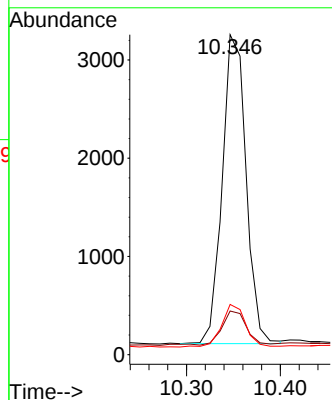
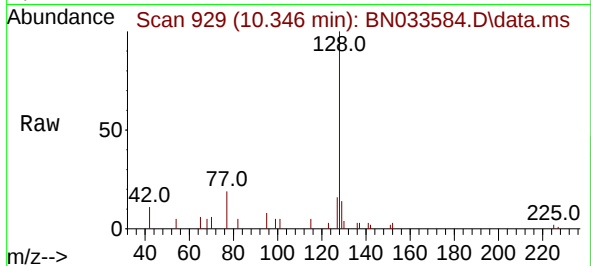




#9
Naphthalene
Concen: 0.106 ng
RT: 10.346 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

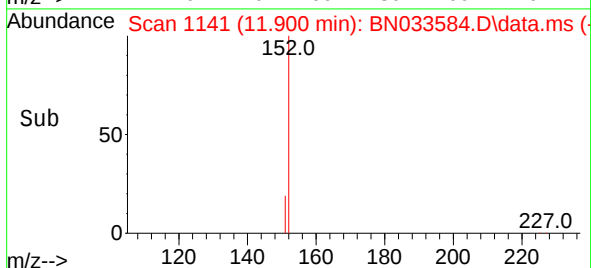
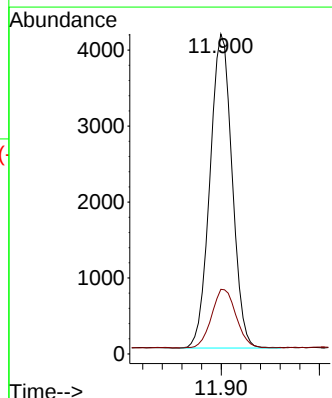
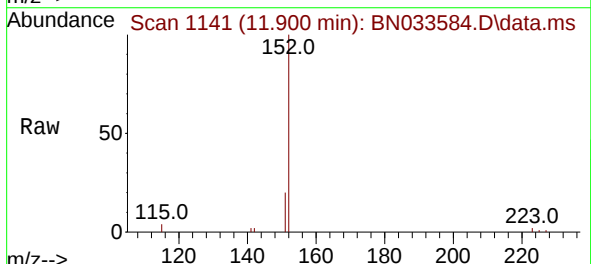
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524

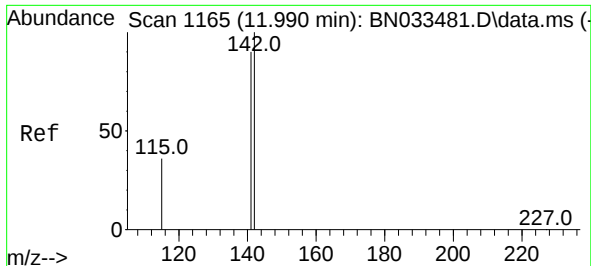
Tgt Ion:128 Resp: 5561
Ion Ratio Lower Upper
128 100
129 13.6 9.1 13.7
127 15.7 10.7 16.1



#11
2-Methylnaphthalene-d10
Concen: 0.231 ng
RT: 11.900 min Scan# 1141
Delta R.T. -0.004 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

Tgt Ion:152 Resp: 6472
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0





#12

2-Methylnaphthalene

Concen: 0.138 ng

RT: 11.975 min Scan# 1161

Delta R.T. -0.004 min

Lab File: BN033584.D

Acq: 23 Aug 2024 11:46

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524

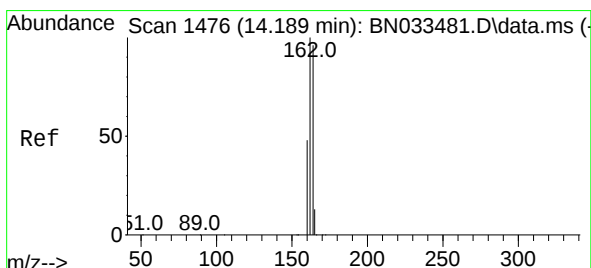
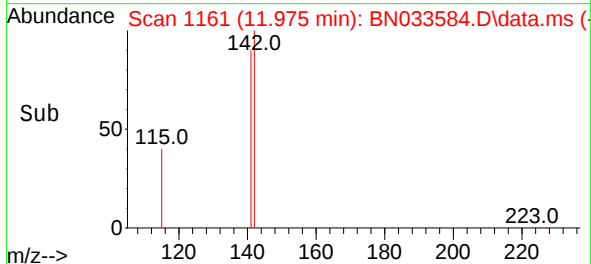
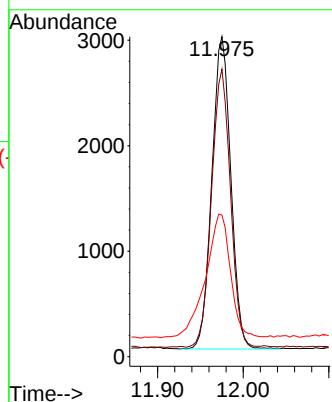
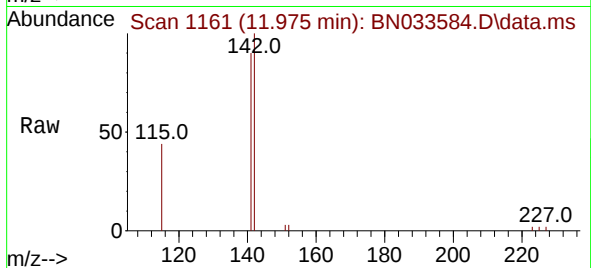
Tgt Ion:142 Resp: 4570

Ion Ratio Lower Upper

142 100

141 89.8 71.7 107.5

115 44.3 29.4 44.2#



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.178 min Scan# 1475

Delta R.T. -0.000 min

Lab File: BN033584.D

Acq: 23 Aug 2024 11:46

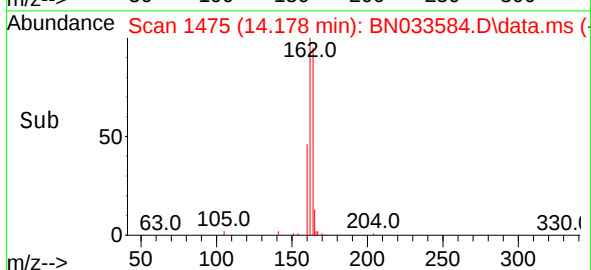
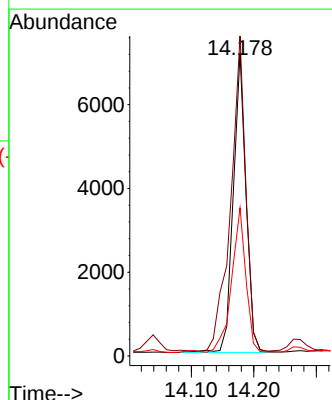
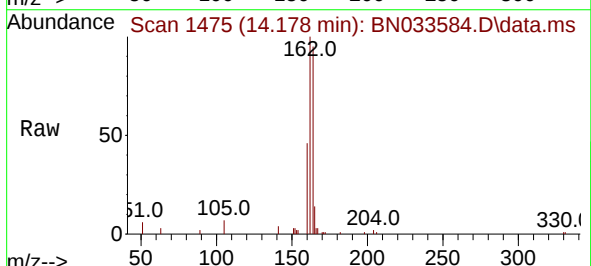
Tgt Ion:164 Resp: 10113

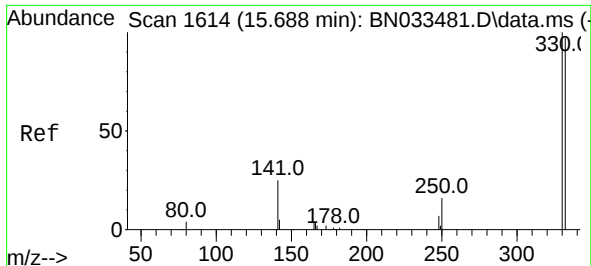
Ion Ratio Lower Upper

164 100

162 105.6 83.5 125.3

160 48.9 40.2 60.4

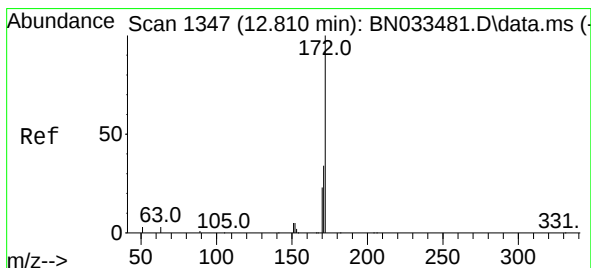
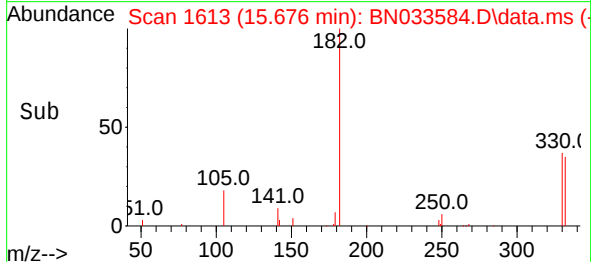
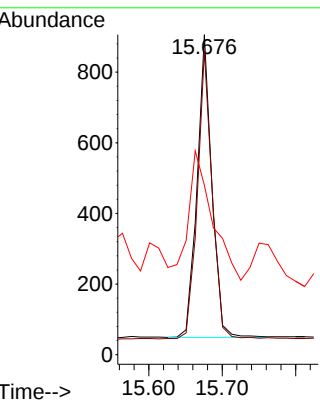
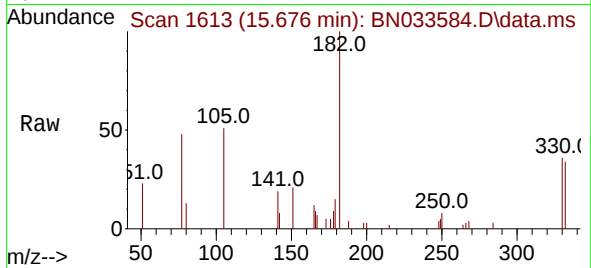




#14
2,4,6-Tribromophenol
Concen: 0.220 ng
RT: 15.676 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

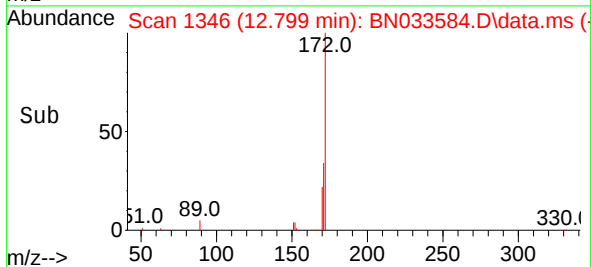
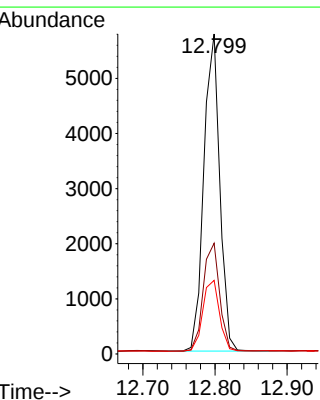
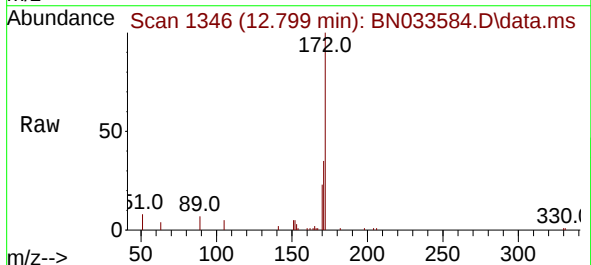
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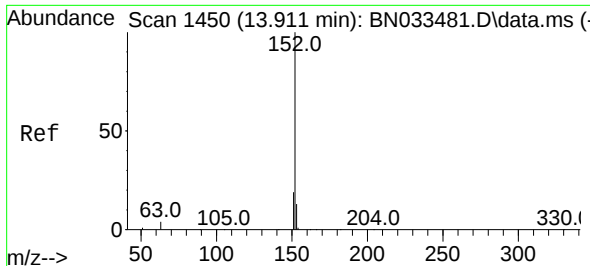
Tgt Ion:330 Resp: 1195
Ion Ratio Lower Upper
330 100
332 95.3 77.5 116.3
141 69.0 33.9 50.9#



#15
2-Fluorobiphenyl
Concen: 0.213 ng
RT: 12.799 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

Tgt Ion:172 Resp: 8810
Ion Ratio Lower Upper
172 100
171 34.6 27.7 41.5
170 23.0 18.3 27.5

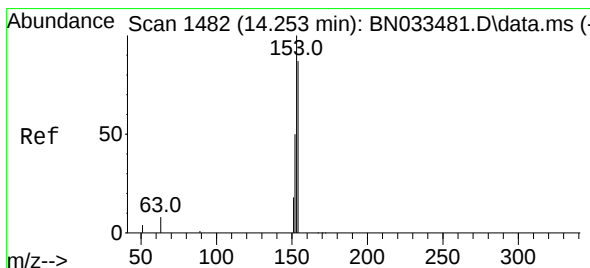
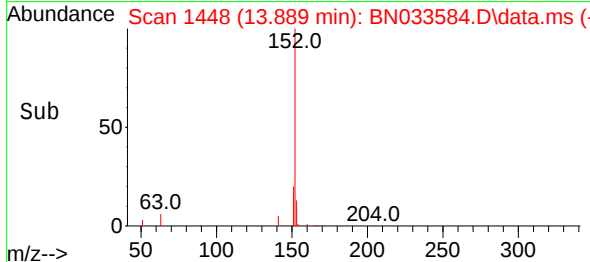
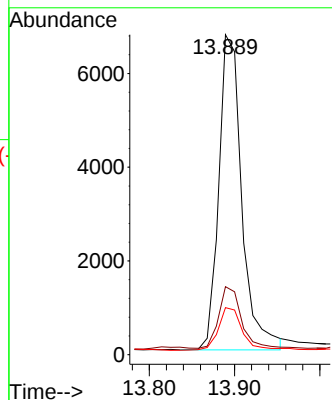
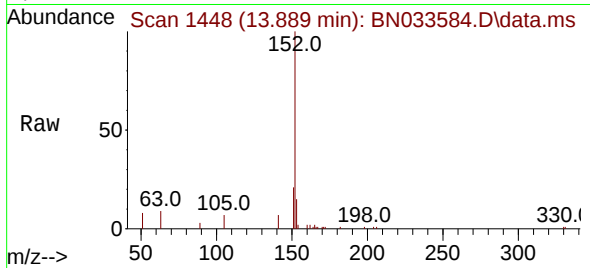




#16
Acenaphthylene
Concen: 0.285 ng
RT: 13.889 min Scan# 1448
Delta R.T. -0.011 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

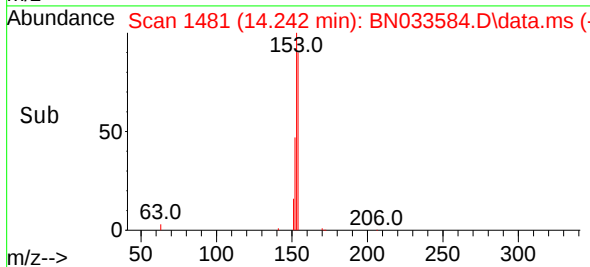
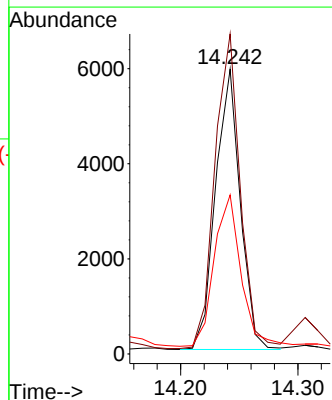
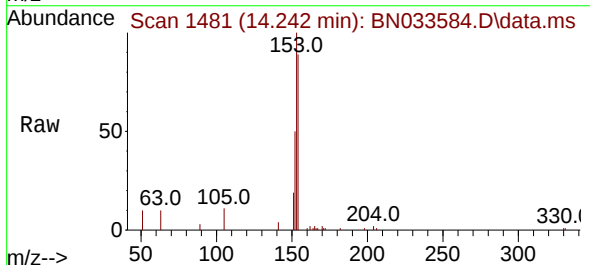
Instrument :
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ClientSampleId :
S-907-K1-0-0.5-081524

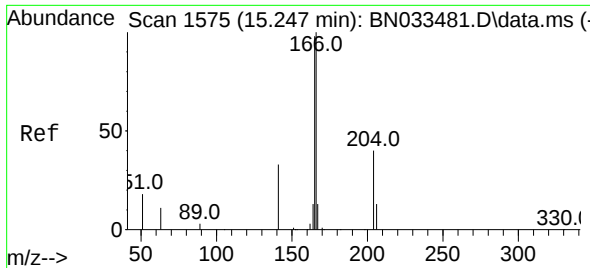
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.7	23.5
153	14.1	10.3	15.5



#17
Acenaphthene
Concen: 0.277 ng
RT: 14.242 min Scan# 1481
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.0	89.0	133.6
152	58.3	45.2	67.8

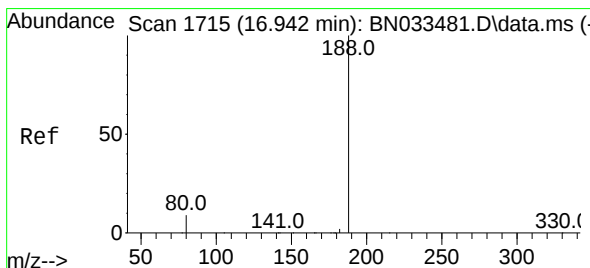
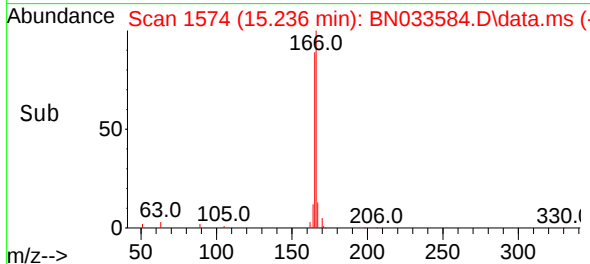
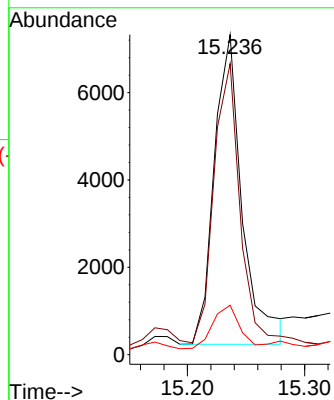
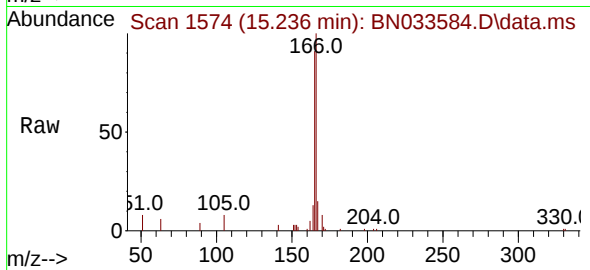




#18
Fluorene
Concen: 0.299 ng
RT: 15.236 min Scan# 11742
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

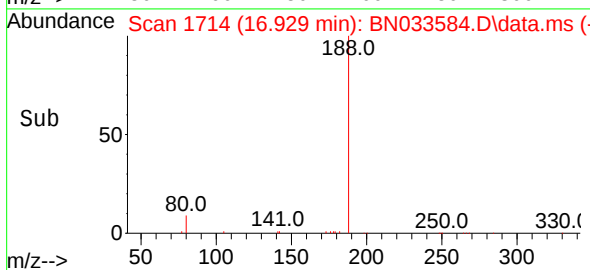
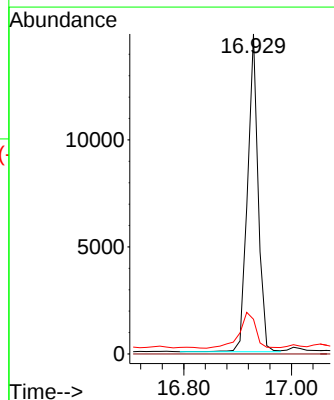
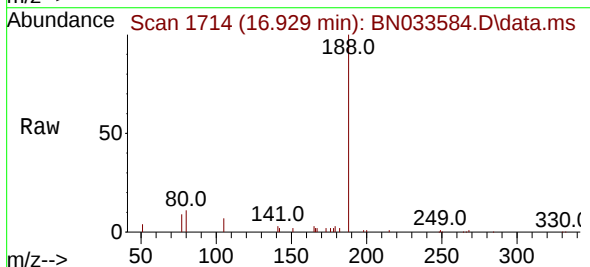
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524

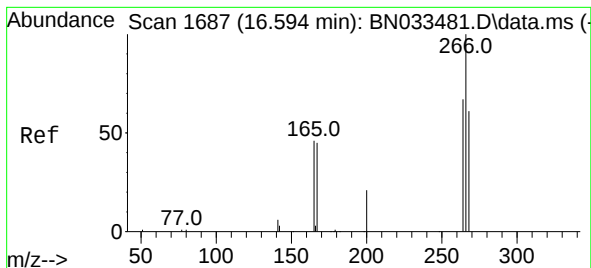
Tgt Ion:166 Resp: 11742
Ion Ratio Lower Upper
166 100
165 83.5 78.2 117.4
167 14.1 10.6 16.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.929 min Scan# 1714
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

Tgt Ion:188 Resp: 20336
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.9 7.8 11.8





#24

Pentachlorophenol

Concen: 0.050 ng

RT: 16.582 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN033584.D

Acq: 23 Aug 2024 11:46

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524

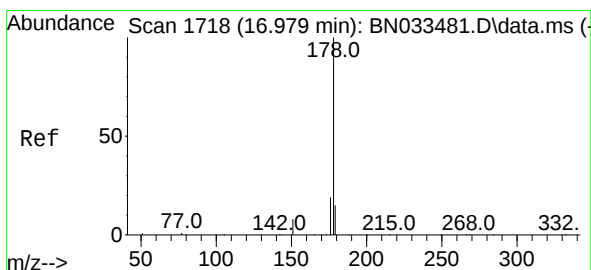
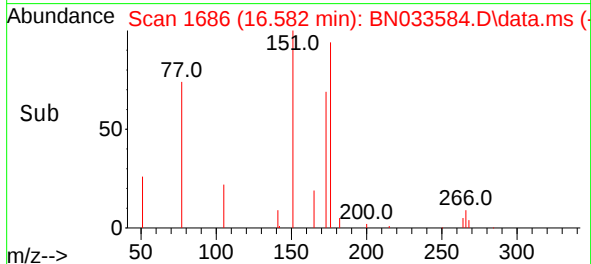
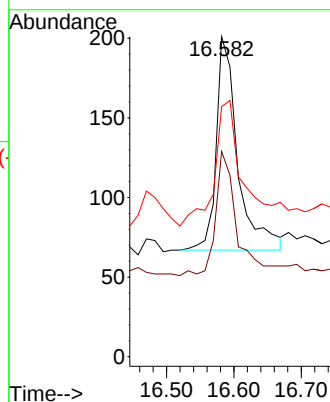
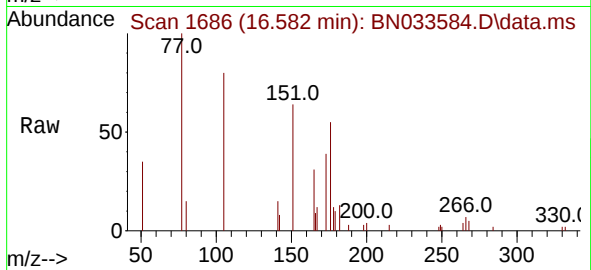
Tgt Ion:266 Resp: 298

Ion Ratio Lower Upper

266 100

264 56.4 51.9 77.9

268 81.9 51.0 76.4#



#25

Phenanthrene

Concen: 5.832 ng

RT: 16.967 min Scan# 1717

Delta R.T. -0.000 min

Lab File: BN033584.D

Acq: 23 Aug 2024 11:46

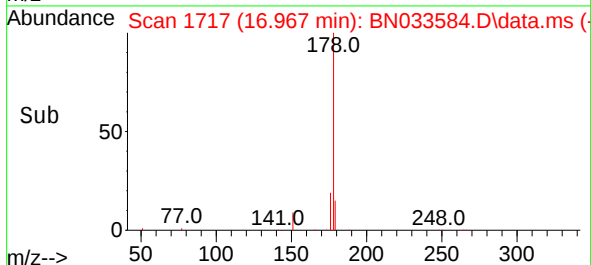
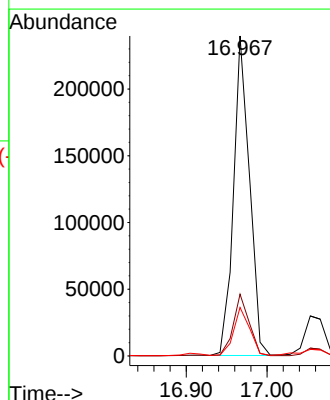
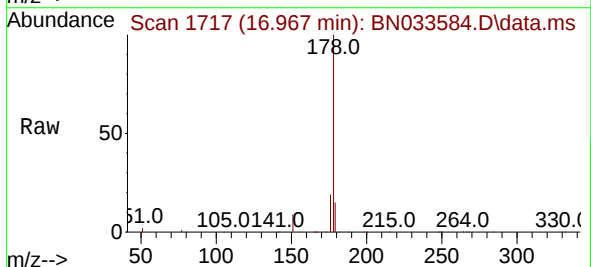
Tgt Ion:178 Resp: 329969

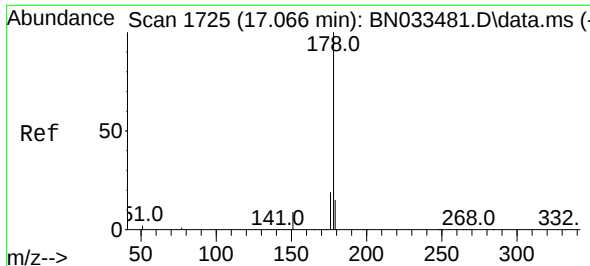
Ion Ratio Lower Upper

178 100

176 19.1 15.3 22.9

179 14.9 12.3 18.5

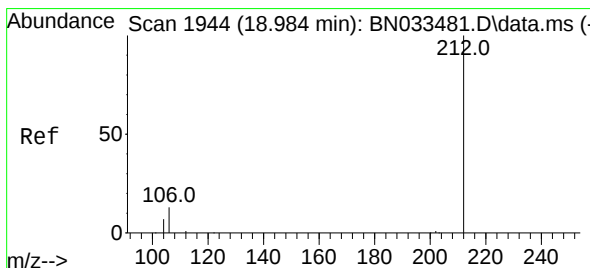
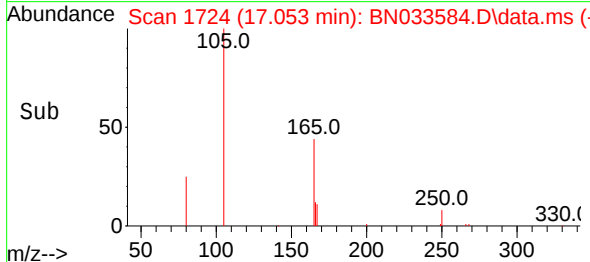
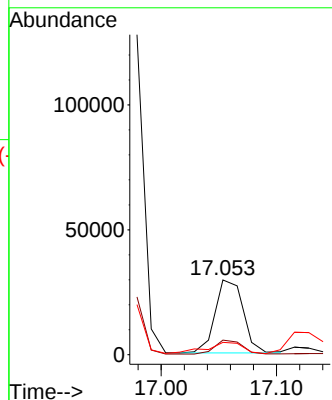
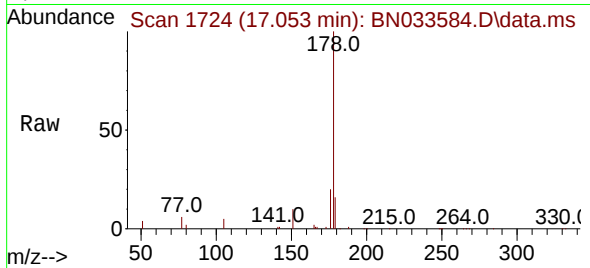




#26
 Anthracene
 Concen: 0.994 ng
 RT: 17.053 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BN033584.D
 Acq: 23 Aug 2024 11:46

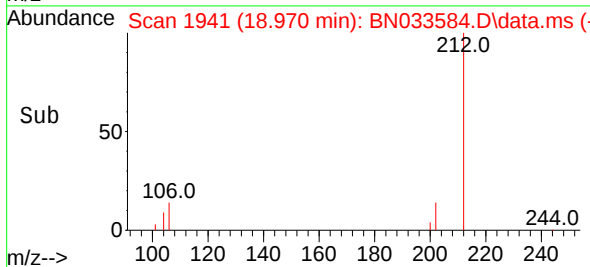
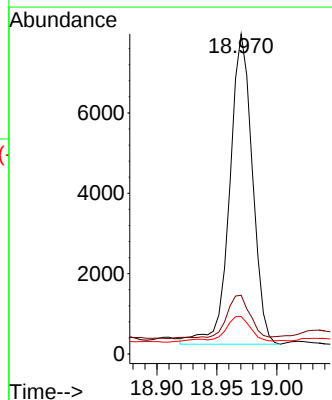
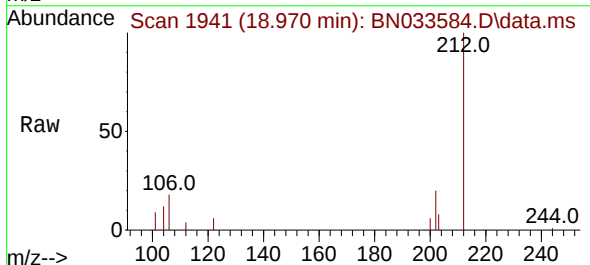
Instrument :
 BNA_N
 ClientSampleId :
 S-907-K1-0-0.5-081524

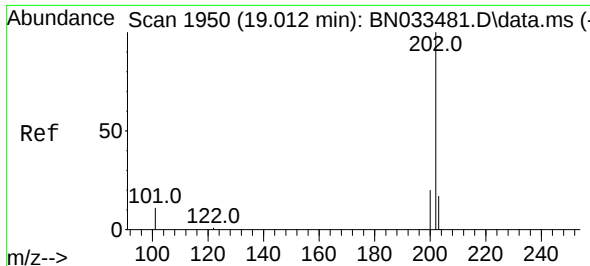
Tgt Ion:178 Resp: 49733
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 19.7 12.4 18.6#



#27
 Fluoranthene-d10
 Concen: 0.208 ng
 RT: 18.970 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN033584.D
 Acq: 23 Aug 2024 11:46

Tgt Ion:212 Resp: 10173
 Ion Ratio Lower Upper
 212 100
 106 14.7 12.3 18.5
 104 10.0 7.0 10.4

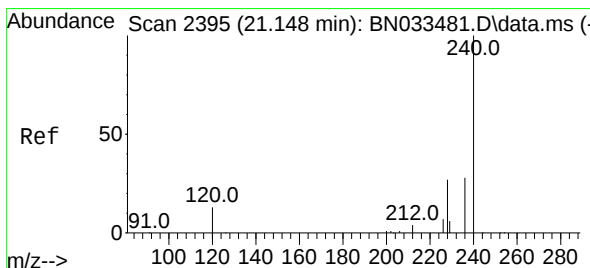
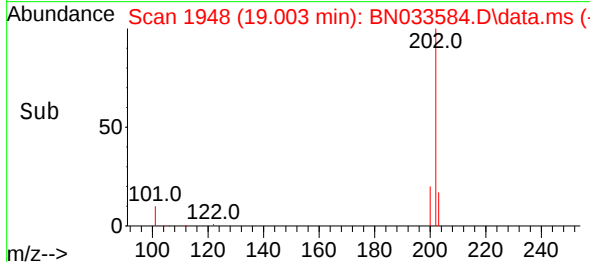
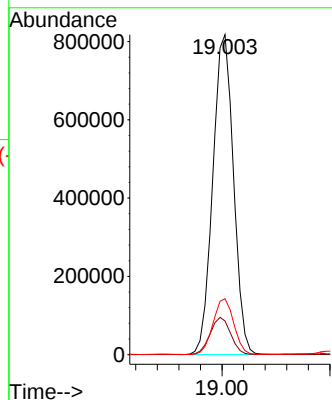
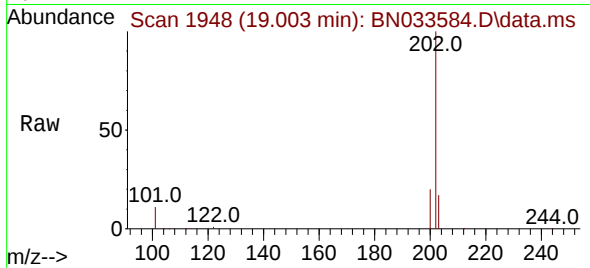




#28
Fluoranthene
Concen: 17.380 ng
RT: 19.003 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

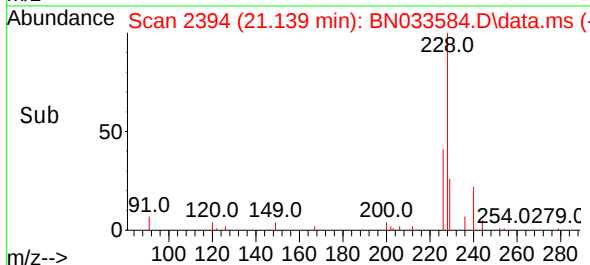
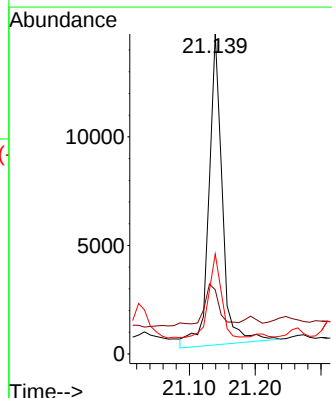
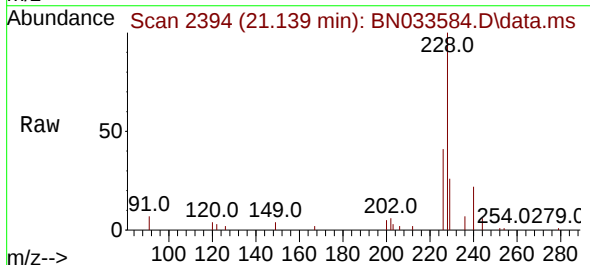
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524

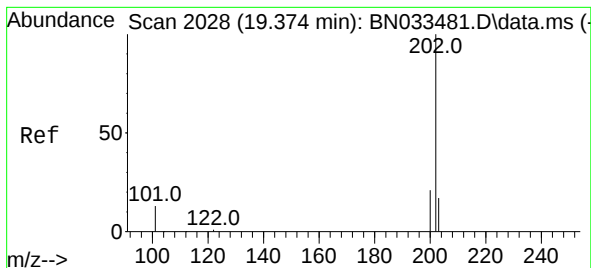
Tgt Ion:202 Resp: 1086580
Ion Ratio Lower Upper
202 100
101 11.6 9.5 14.3
203 17.4 13.8 20.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.139 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

Tgt Ion:240 Resp: 20362
Ion Ratio Lower Upper
240 100
120 20.0 12.4 18.6#
236 31.3 23.0 34.6





#30

Pyrene

Concen: 10.034 ng

RT: 19.365 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BN033584.D

Acq: 23 Aug 2024 11:46

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524

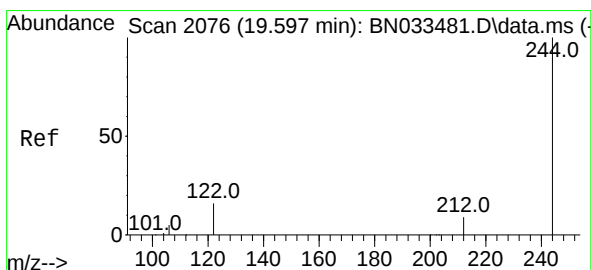
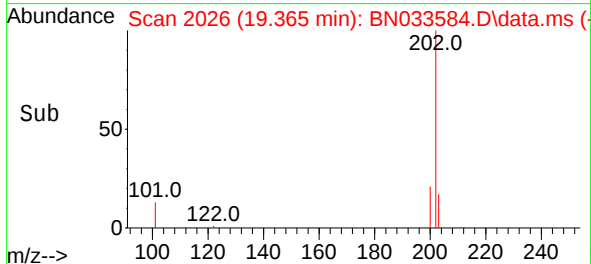
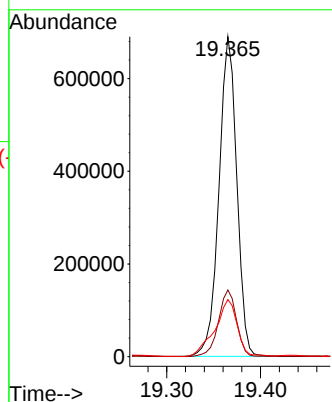
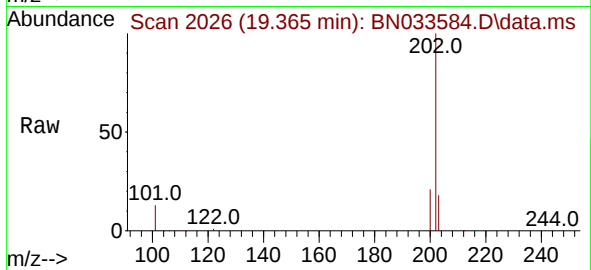
Tgt Ion:202 Resp: 911848

Ion Ratio Lower Upper

202 100

200 21.1 16.6 24.8

203 22.2 14.2 21.4#



#31

Terphenyl-d14

Concen: 0.152 ng

RT: 19.583 min Scan# 2073

Delta R.T. -0.000 min

Lab File: BN033584.D

Acq: 23 Aug 2024 11:46

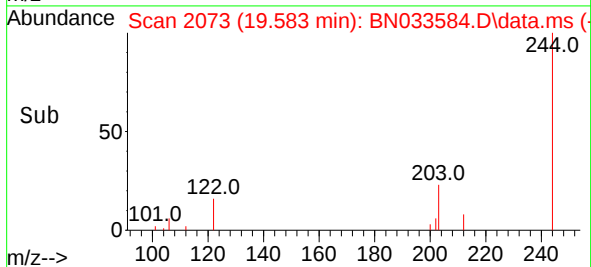
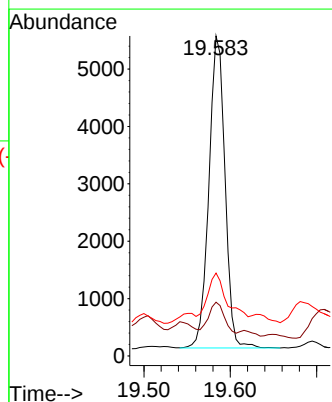
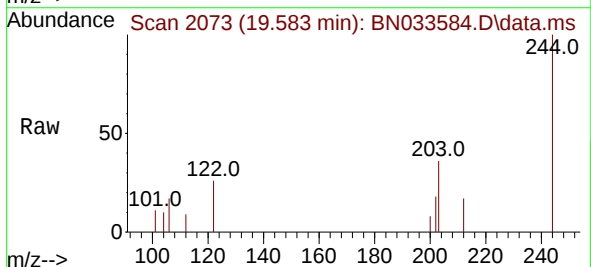
Tgt Ion:244 Resp: 7039

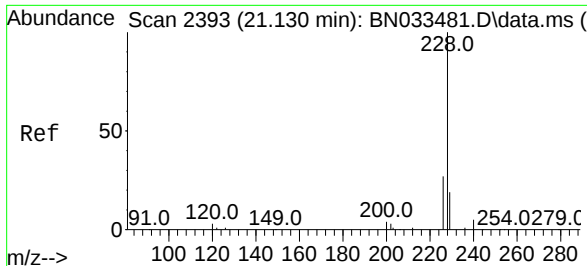
Ion Ratio Lower Upper

244 100

212 16.8 7.8 11.6#

122 25.9 13.3 19.9#

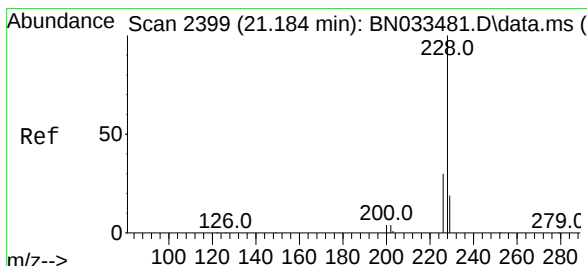
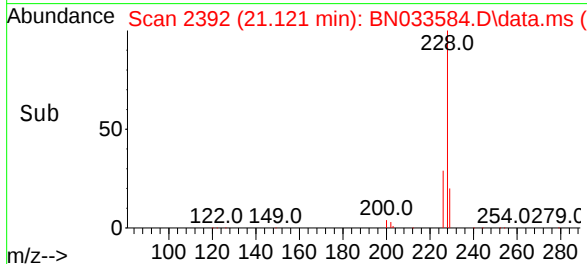
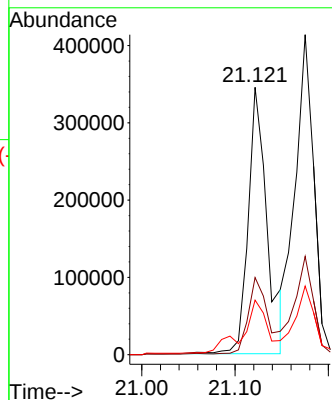
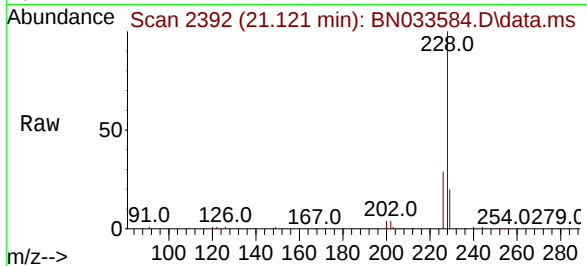




#32
Benzo(a)anthracene
Concen: 6.603 ng
RT: 21.121 min Scan# 2392
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

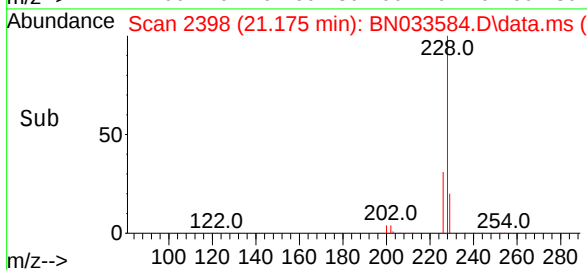
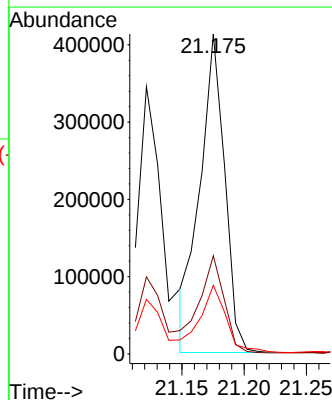
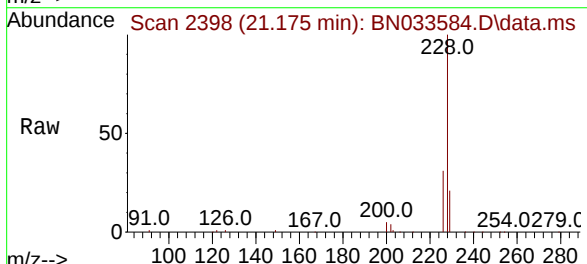
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524

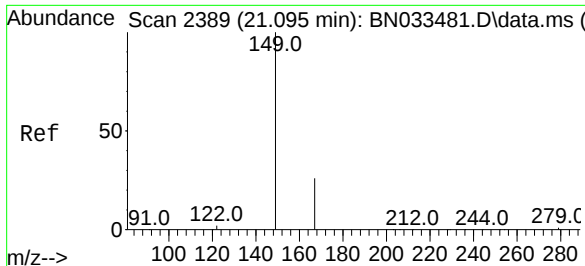
Tgt Ion:228 Resp: 486120
Ion Ratio Lower Upper
228 100
226 28.9 21.8 32.6
229 20.4 15.8 23.6



#33
Chrysene
Concen: 7.806 ng
RT: 21.175 min Scan# 2398
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

Tgt Ion:228 Resp: 571214
Ion Ratio Lower Upper
228 100
226 30.7 23.8 35.8
229 21.5 15.6 23.4

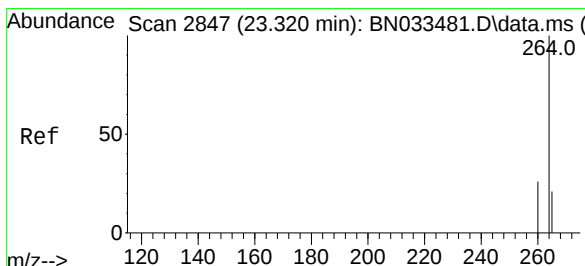
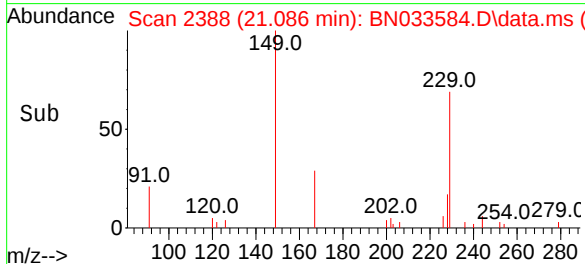
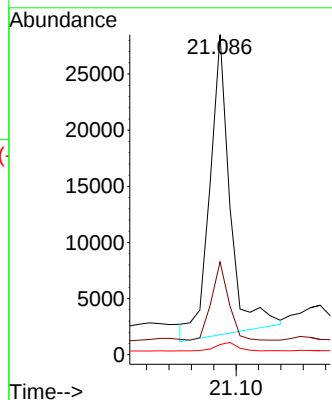
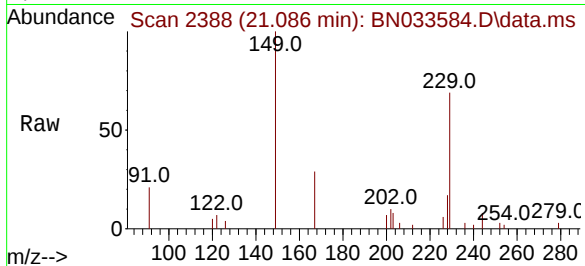




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.724 ng
RT: 21.086 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

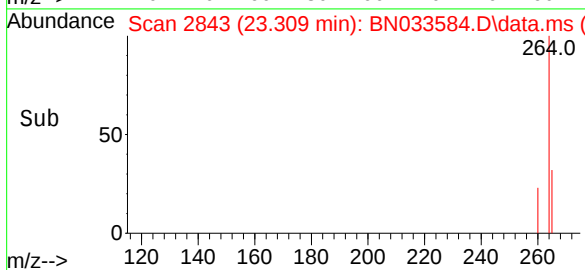
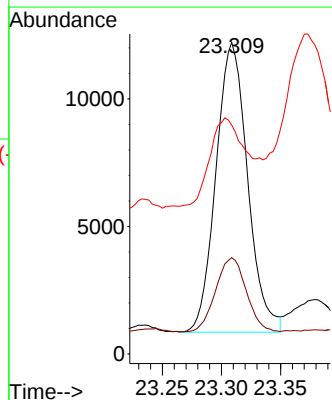
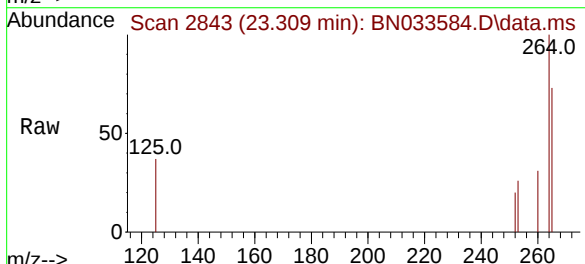
Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524

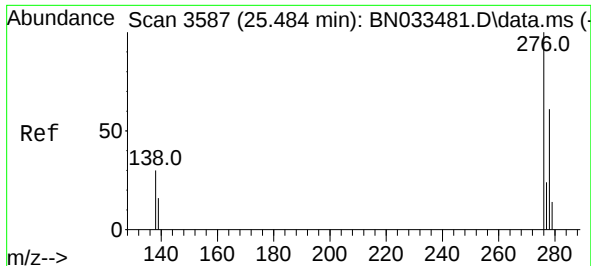
Tgt Ion:149 Resp: 33725
Ion Ratio Lower Upper
149 100
167 26.3 21.5 32.3
279 10.6 2.2 3.2#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.309 min Scan# 2843
Delta R.T. 0.006 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

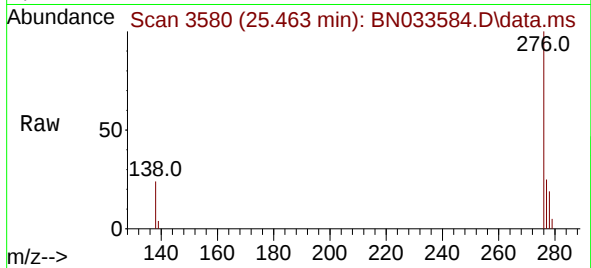
Tgt Ion:264 Resp: 21156
Ion Ratio Lower Upper
264 100
260 30.9 20.8 31.2
265 73.4 52.2 78.2



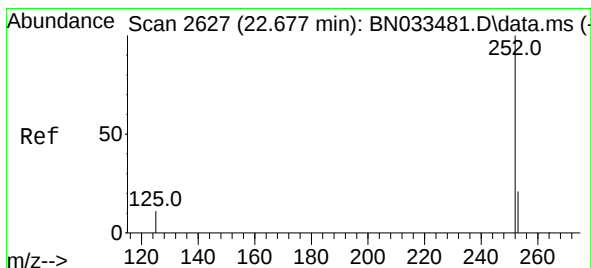
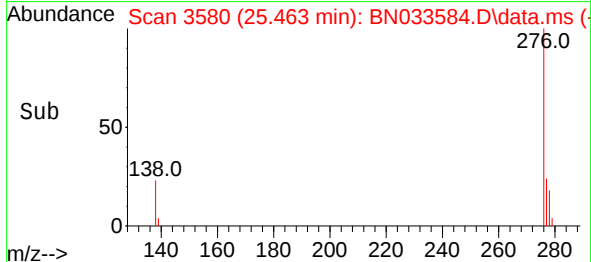
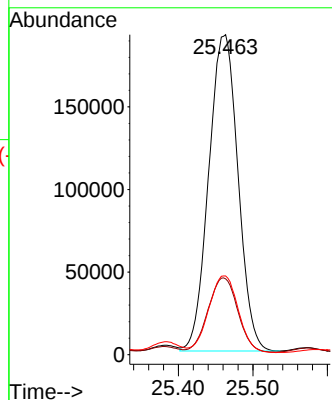


#36
Indeno(1,2,3-cd)pyrene
Concen: 5.956 ng
RT: 25.463 min Scan# 3580
Delta R.T. 0.015 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

Instrument :
BNA_N
ClientSampleId :
S-907-K1-0-0.5-081524

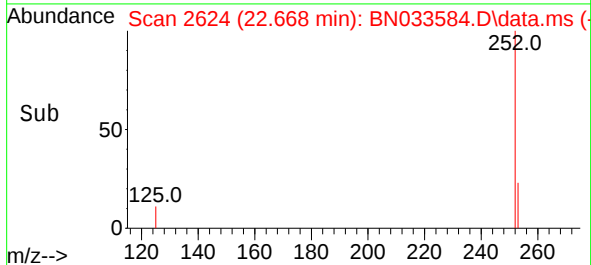
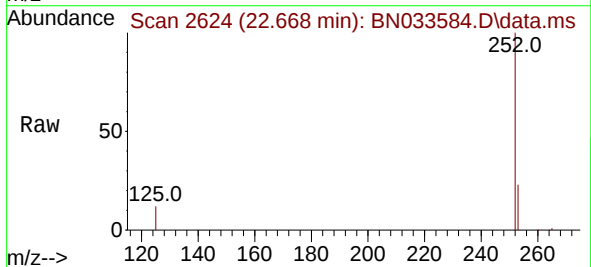
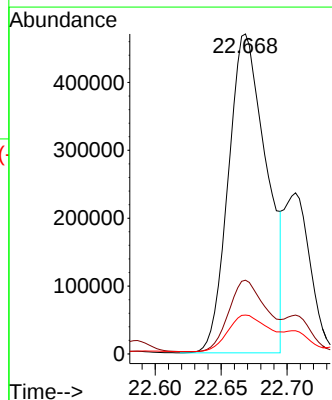


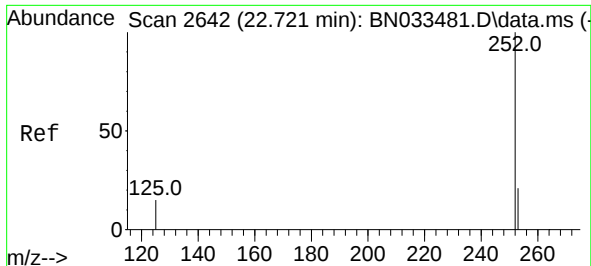
Tgt Ion:276 Resp: 523134
Ion Ratio Lower Upper
276 100
138 23.8 24.4 36.6#
277 24.4 19.8 29.6



#37
Benzo(b)fluoranthene
Concen: 11.963 ng
RT: 22.668 min Scan# 2624
Delta R.T. 0.009 min
Lab File: BN033584.D
Acq: 23 Aug 2024 11:46

Tgt Ion:252 Resp: 945099
Ion Ratio Lower Upper
252 100
253 23.0 19.8 29.8
125 12.2 13.9 20.9#





#38

Benzo(k)fluoranthene

Concen: 12.154 ng

RT: 22.668 min Scan# 2

Delta R.T. -0.035 min

Lab File: BN033584.D

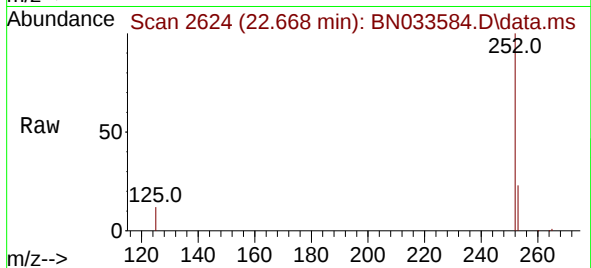
Acq: 23 Aug 2024 11:46

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524



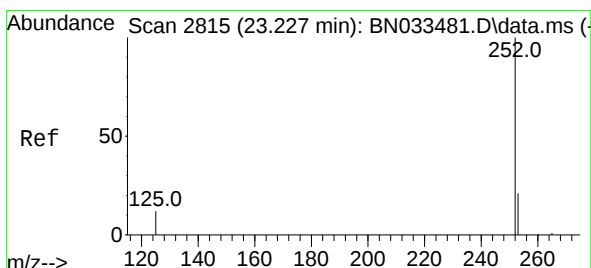
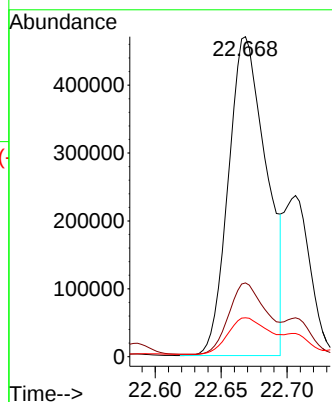
Tgt Ion:252 Resp: 945099

Ion Ratio Lower Upper

252 100

253 23.0 19.8 29.8

125 12.2 15.8 23.8#



#39

Benzo(a)pyrene

Concen: 7.545 ng

RT: 23.124 min Scan# 2780

Delta R.T. -0.085 min

Lab File: BN033584.D

Acq: 23 Aug 2024 11:46

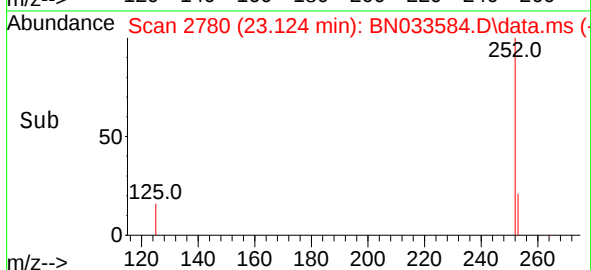
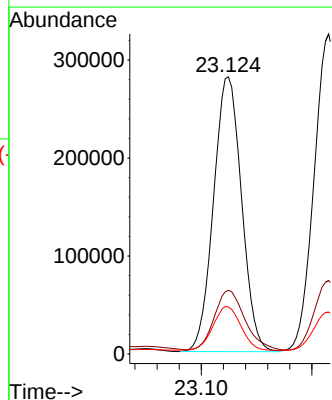
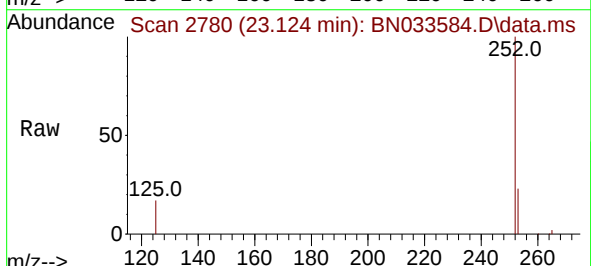
Tgt Ion:252 Resp: 493253

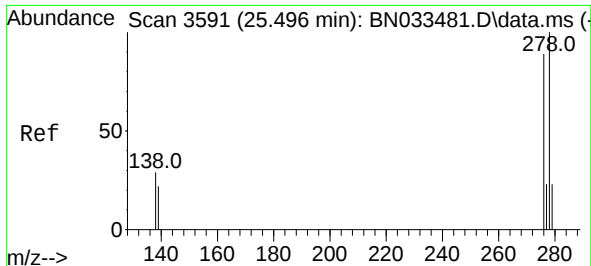
Ion Ratio Lower Upper

252 100

253 23.0 21.5 32.3

125 17.0 17.0 25.4





#40

Dibenzo(a,h)anthracene

Concen: 1.581 ng

RT: 25.472 min Scan# 3

Delta R.T. 0.003 min

Lab File: BN033584.D

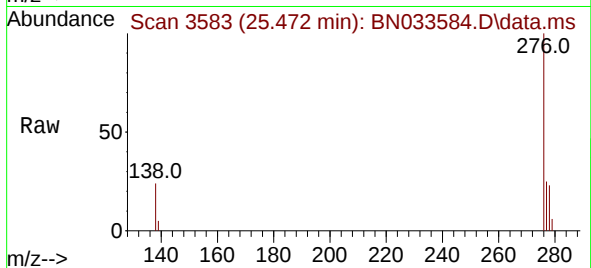
Acq: 23 Aug 2024 11:46

Instrument :

BNA_N

ClientSampleId :

S-907-K1-0-0.5-081524



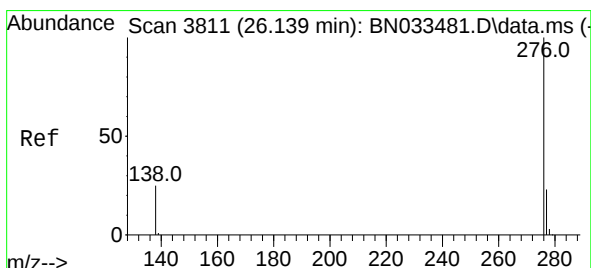
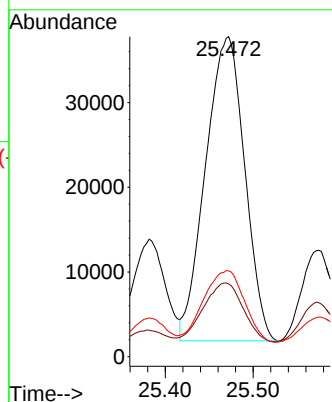
Tgt Ion:278 Resp: 111011

Ion Ratio Lower Upper

278 100

139 22.7 19.1 28.7

279 26.8 21.0 31.4



#41

Benzo(g,h,i)perylene

Concen: 7.117 ng

RT: 26.118 min Scan# 3804

Delta R.T. 0.015 min

Lab File: BN033584.D

Acq: 23 Aug 2024 11:46

Tgt Ion:276 Resp: 534505

Ion Ratio Lower Upper

276 100

277 24.3 19.7 29.5

138 24.9 21.8 32.6

