

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN083023\
 Data File : BN027275.D
 Acq On : 30 Aug 2023 14:51
 Operator : MA/JU
 Sample : 04128-10
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE132D7-20230822

Quant Time: Aug 31 04:28:17 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 05:37:30 2023
 Response via : Initial Calibration

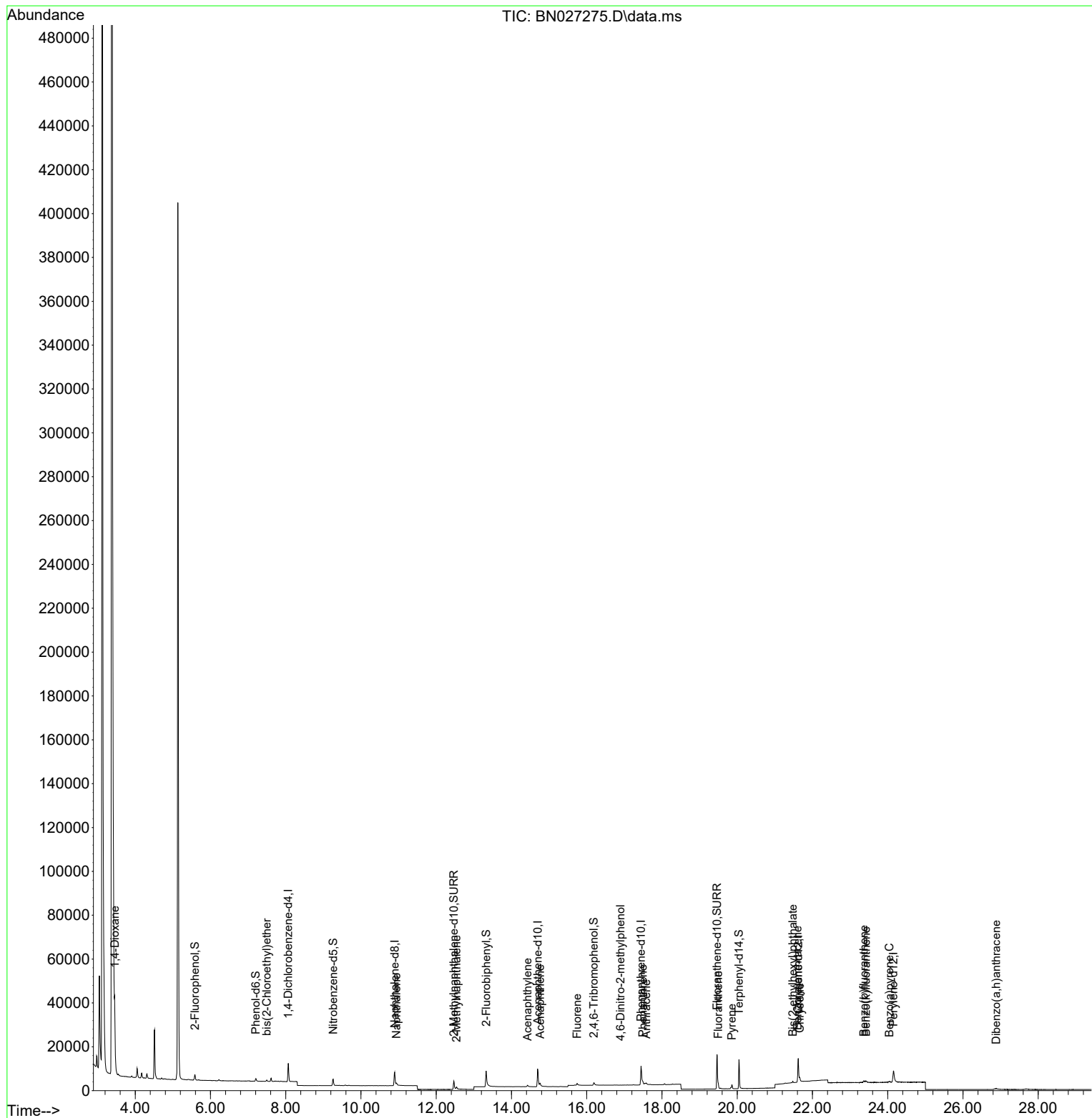
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.066	152	4145	0.400	ng	0.00
7) Naphthalene-d8	10.895	136	10564	0.400	ng	0.00
13) Acenaphthene-d10	14.694	164	6340	0.400	ng	0.00
19) Phenanthrene-d10	17.443	188	15727	0.400	ng	0.00
29) Chrysene-d12	21.623	240	12348	0.400	ng	0.00
35) Perylene-d12	24.154	264	10418	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.589	112	2171	0.201	ng	0.00
5) Phenol-d6	7.207	99	1389	0.106	ng	0.00
8) Nitrobenzene-d5	9.262	82	3004	0.390	ng	0.00
11) 2-Methylnaphthalene-d10	12.468	152	7143	0.460	ng	0.00
14) 2,4,6-Tribromophenol	16.189	330	892	0.380	ng	0.00
15) 2-Fluorobiphenyl	13.326	172	8965	0.372	ng	0.00
27) Fluoranthene-d10	19.463	212	19850	0.508	ng	0.00
31) Terphenyl-d14	20.048	244	13922	0.561	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.458	88	15411	3.046	ng	95
6) bis(2-Chloroethyl)ether	7.496	93	468	0.037	ng	# 89
9) Naphthalene	10.938	128	1384	0.048	ng	# 83
12) 2-Methylnaphthalene	12.540	142	873	0.043	ng	# 86
16) Acenaphthylene	14.427	152	1063	0.037	ng	98
17) Acenaphthene	14.758	154	723	0.038	ng	94
18) Fluorene	15.742	166	934	0.036	ng	98
20) 4,6-Dinitro-2-methylph...	16.897	198	9	0.040	ng	# 22
25) Phenanthrene	17.492	178	1627	0.035	ng	97
26) Anthracene	17.579	178	1123	0.029	ng	97
28) Fluoranthene	19.495	202	1837	0.034	ng	# 93
30) Pyrene	19.857	202	1794	0.037	ng	97
32) Benzo(a)anthracene	21.605	228	1298	0.031	ng	# 90
33) Chrysene	21.659	228	1677	0.036	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.480	149	839	0.041	ng	# 90
37) Benzo(b)fluoranthene	23.367	252	1282	0.032	ng	# 5
38) Benzo(k)fluoranthene	23.420	252	1105	0.027	ng	# 1
39) Benzo(a)pyrene	24.042	252	785	0.021	ng	# 1
40) Dibenzo(a,h)anthracene	26.881	278	709	0.021	ng	# 1

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN083023\
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Instrument :
BNA_N
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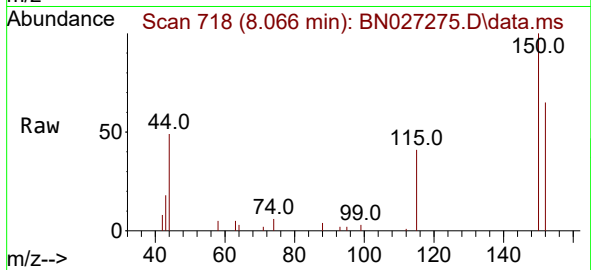
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 29 05:37:30 2023
Response via : Initial Calibration



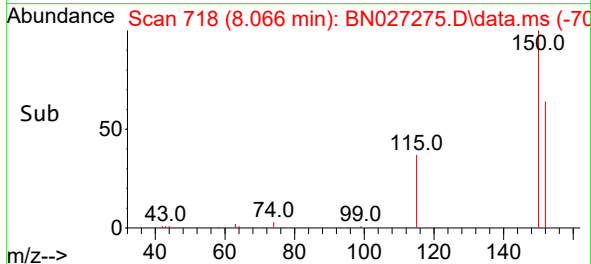
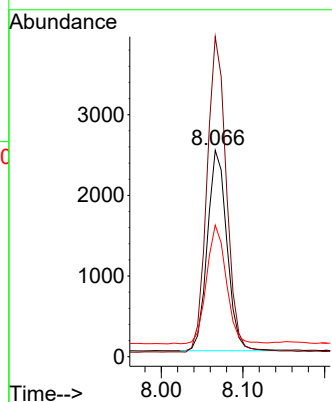


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.066 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

Instrument :
BNA_N
ClientSampleId :
RE132D7-20230822

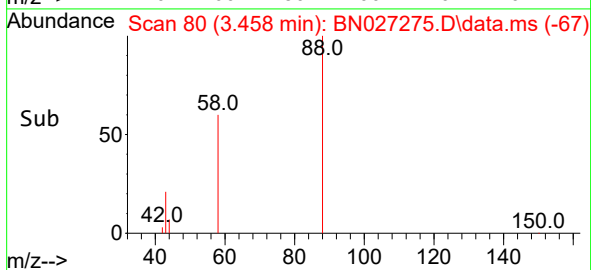
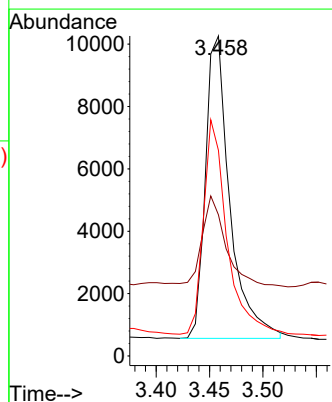
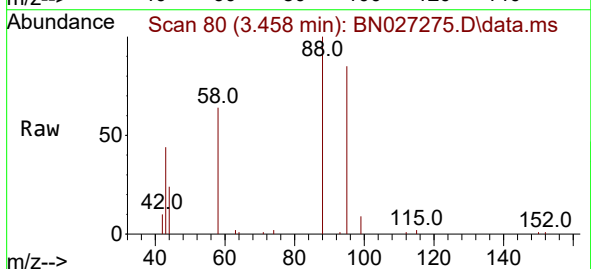


Tgt Ion:152 Resp: 4145
Ion Ratio Lower Upper
152 100
150 155.0 122.7 184.1
115 63.7 48.6 73.0



#2
1,4-Dioxane
Concen: 3.046 ng
RT: 3.458 min Scan# 80
Delta R.T. -0.007 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

Tgt Ion: 88 Resp: 15411
Ion Ratio Lower Upper
88 100
43 28.2 19.1 28.7
58 68.3 52.2 78.2

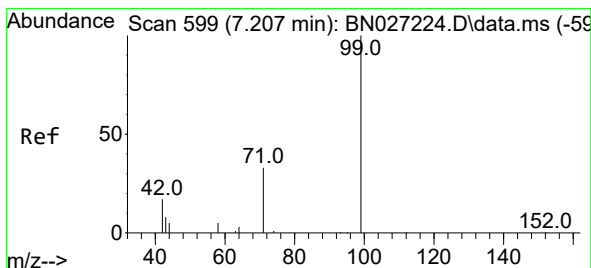
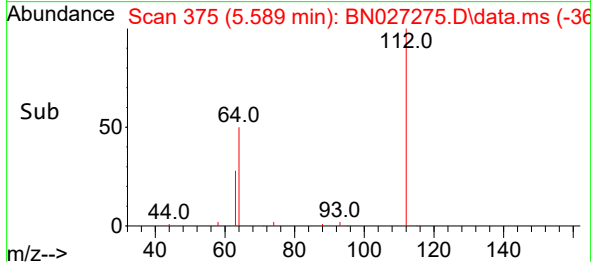
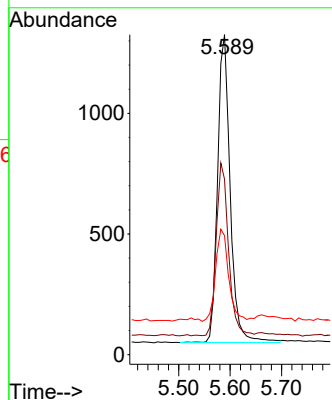
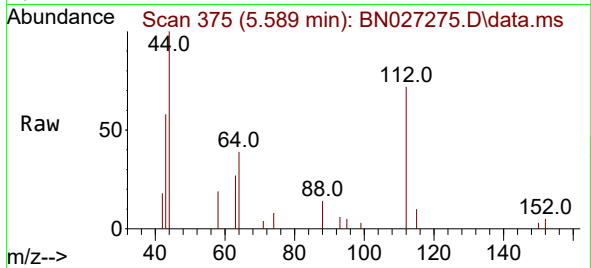




#4
2-Fluorophenol
Concen: 0.201 ng
RT: 5.589 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

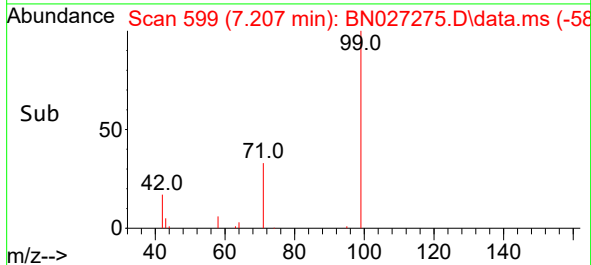
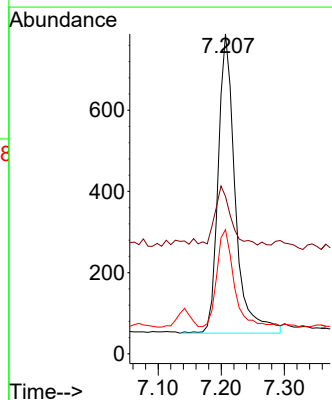
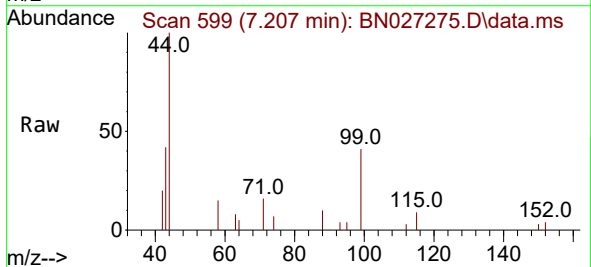
Instrument :
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ClientSampleId :
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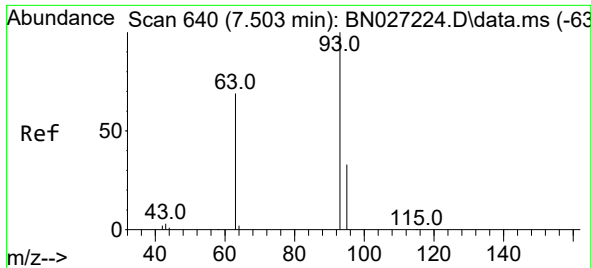
Tgt Ion:112 Resp: 2171
Ion Ratio Lower Upper
112 100
64 54.6 44.4 66.6
63 30.8 23.1 34.7



#5
Phenol-d6
Concen: 0.106 ng
RT: 7.207 min Scan# 599
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

Tgt Ion: 99 Resp: 1389
Ion Ratio Lower Upper
99 100
42 19.5 14.5 21.7
71 32.4 25.8 38.6

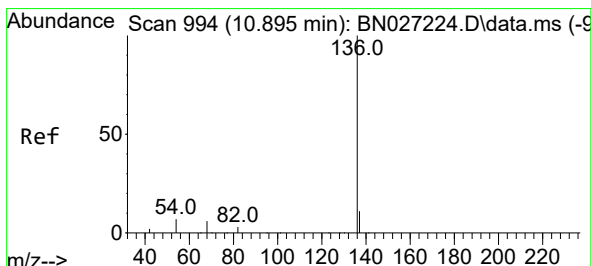
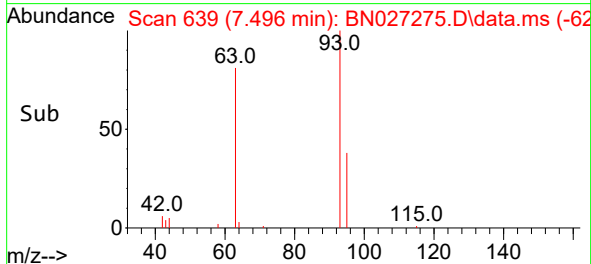
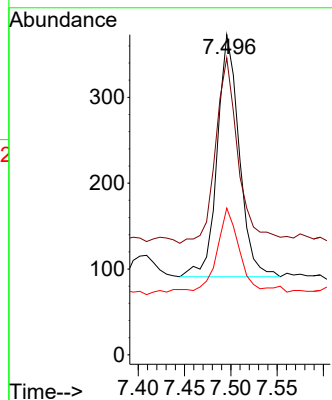
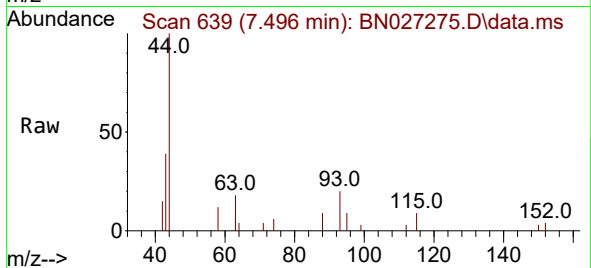




#6
bis(2-Chloroethyl)ether
Concen: 0.037 ng
RT: 7.496 min Scan# 611
Delta R.T. -0.007 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

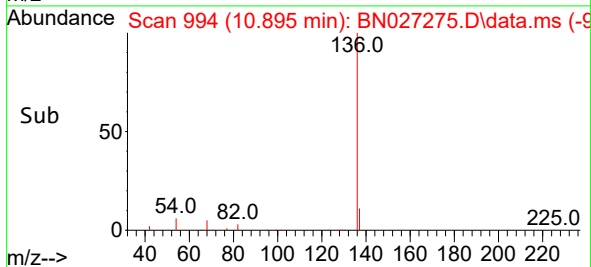
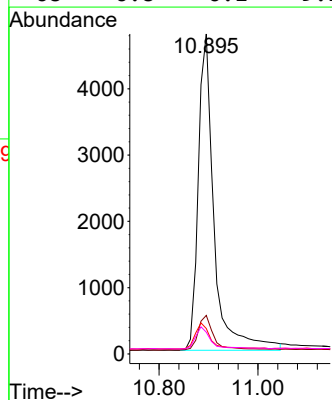
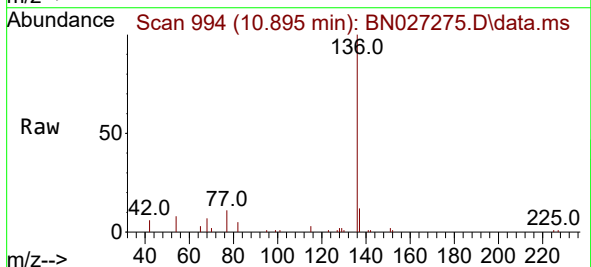
Instrument :
BNA_N
ClientSampleId :
RE132D7-20230822

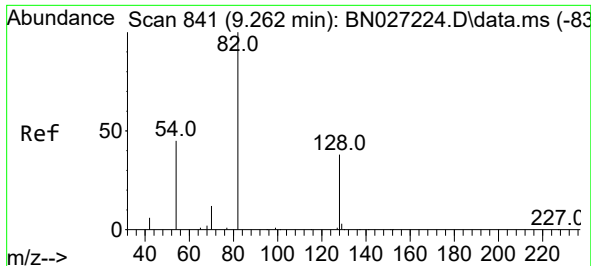
Tgt Ion: 93 Resp: 468
Ion Ratio Lower Upper
93 100
63 79.9 58.5 87.7
95 42.9 26.1 39.1#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.895 min Scan# 994
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

Tgt Ion:136 Resp: 10564
Ion Ratio Lower Upper
136 100
137 12.0 9.3 13.9
54 7.9 6.7 10.1
68 6.8 6.1 9.1

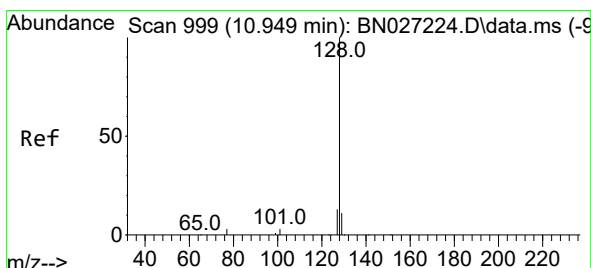
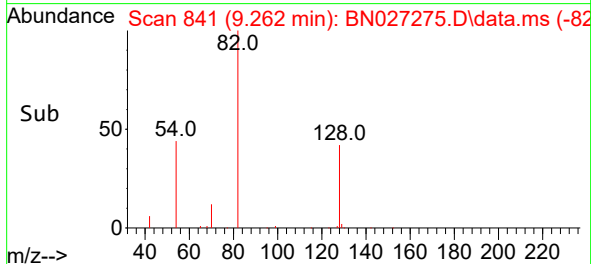
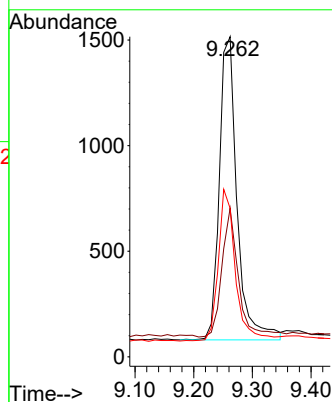
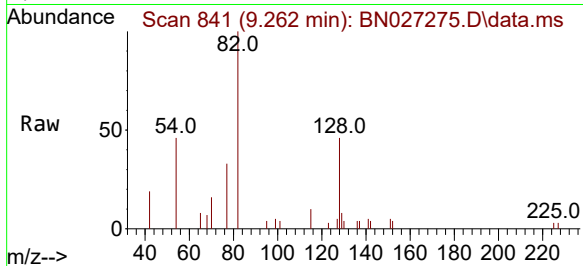




#8
Nitrobenzene-d5
Concen: 0.390 ng
RT: 9.262 min Scan# 841
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

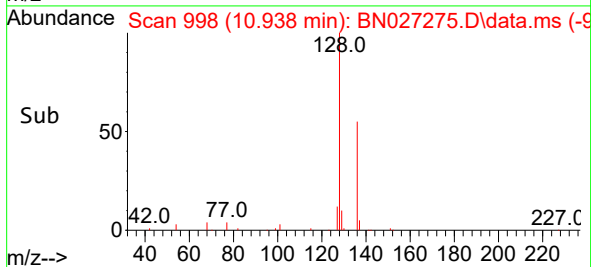
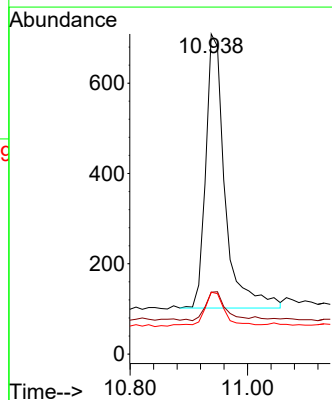
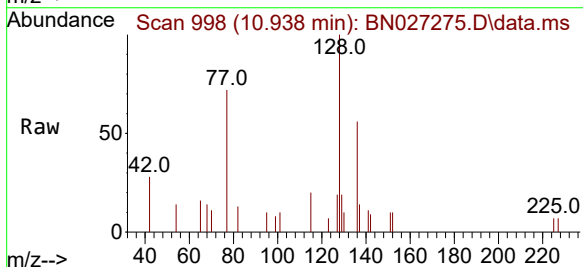
Instrument :
BNA_N
ClientSampleId :
RE132D7-20230822

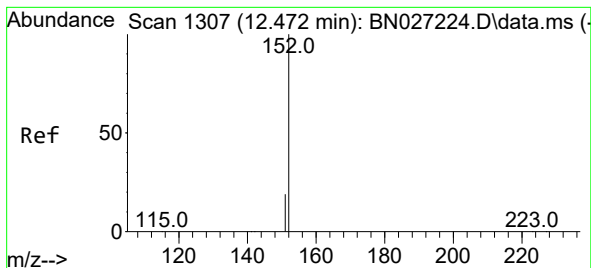
Tgt Ion: 82 Resp: 3004
Ion Ratio Lower Upper
82 100
128 46.4 33.4 50.0
54 46.4 37.7 56.5



#9
Naphthalene
Concen: 0.048 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.011 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

Tgt Ion: 128 Resp: 1384
Ion Ratio Lower Upper
128 100
129 19.3 9.4 14.0#
127 19.3 10.6 15.8#

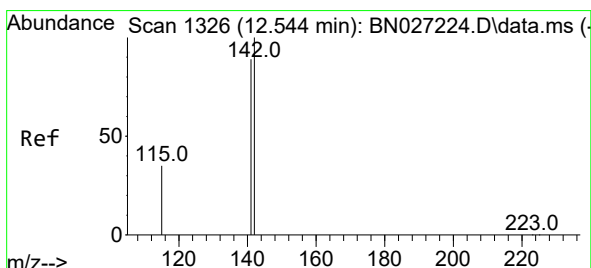
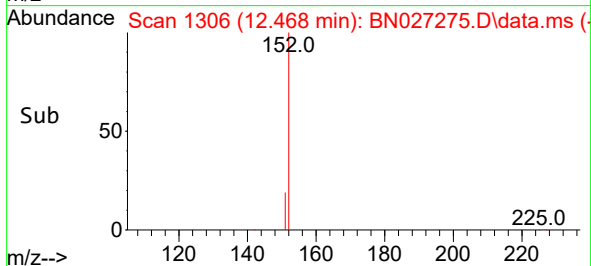
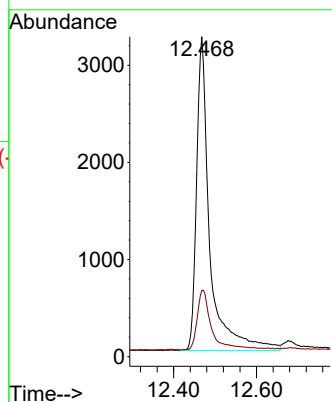
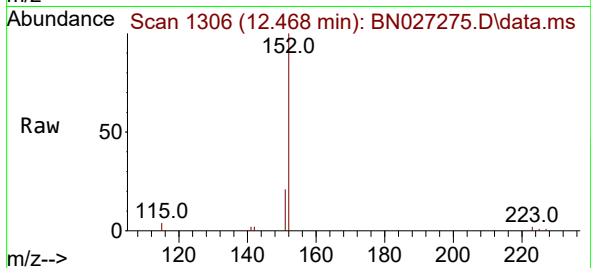




#11
2-Methylnaphthalene-d10
Concen: 0.460 ng
RT: 12.468 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

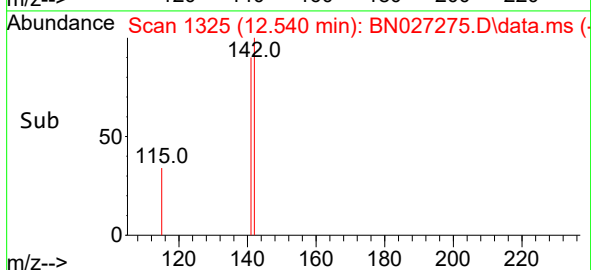
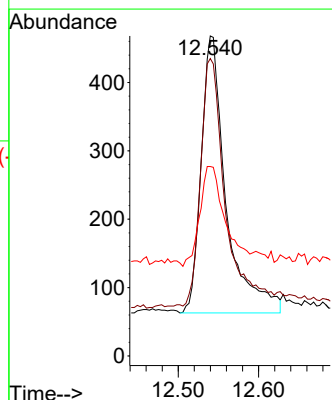
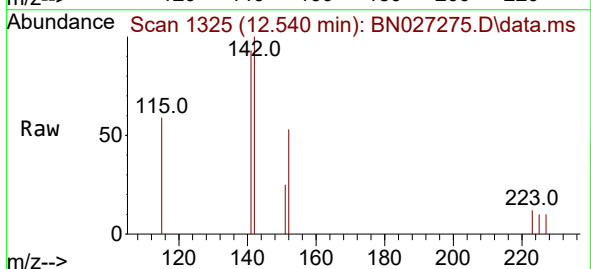
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BNA_N
ClientSampleId :
RE132D7-20230822

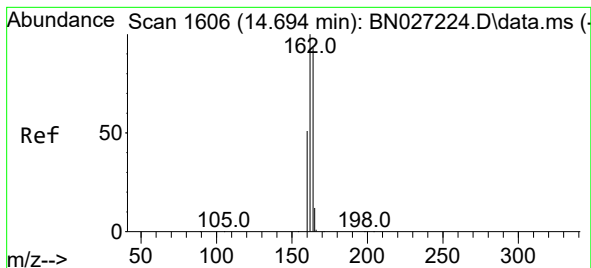
Tgt Ion:152 Resp: 7143
Ion Ratio Lower Upper
152 100
151 20.6 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.043 ng
RT: 12.540 min Scan# 1325
Delta R.T. -0.004 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

Tgt Ion:142 Resp: 873
Ion Ratio Lower Upper
142 100
141 92.9 71.1 106.7
115 59.2 29.6 44.4#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.694 min Scan# 1606

Delta R.T. 0.000 min

Lab File: BN027275.D

Acq: 30 Aug 2023 14:51

Instrument :

BNA_N

ClientSampleId :

RE132D7-20230822

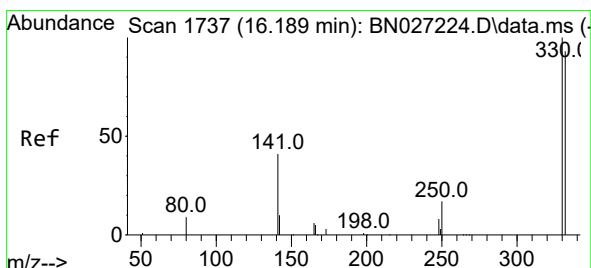
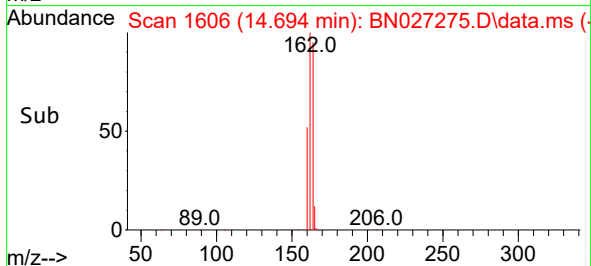
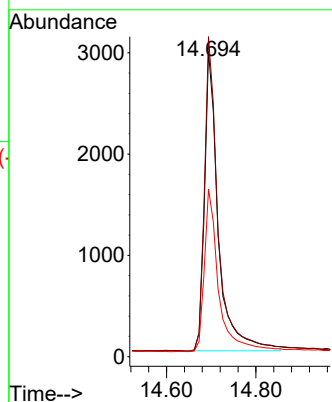
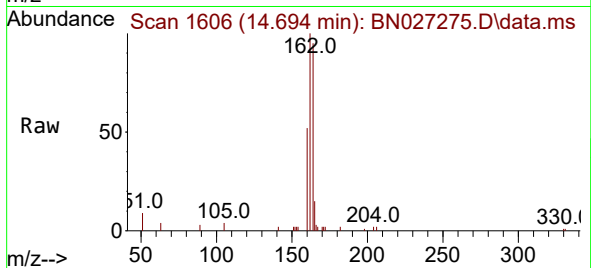
Tgt Ion:164 Resp: 6340

Ion Ratio Lower Upper

164 100

162 104.8 85.8 128.8

160 54.9 44.2 66.2



#14

2,4,6-Tribromophenol

Concen: 0.380 ng

RT: 16.189 min Scan# 1737

Delta R.T. 0.000 min

Lab File: BN027275.D

Acq: 30 Aug 2023 14:51

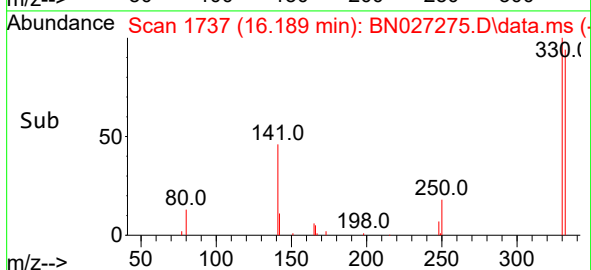
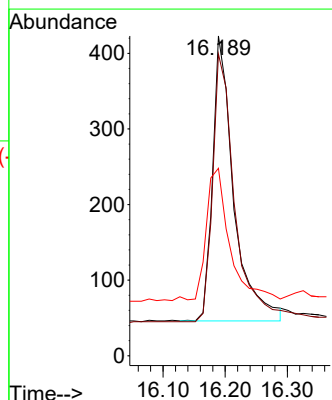
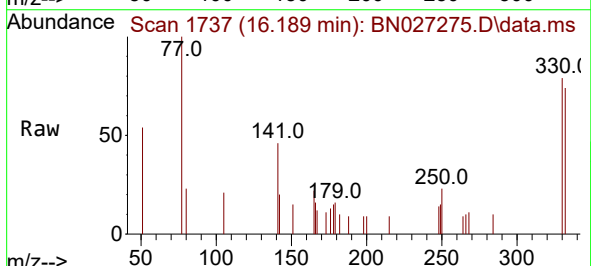
Tgt Ion:330 Resp: 892

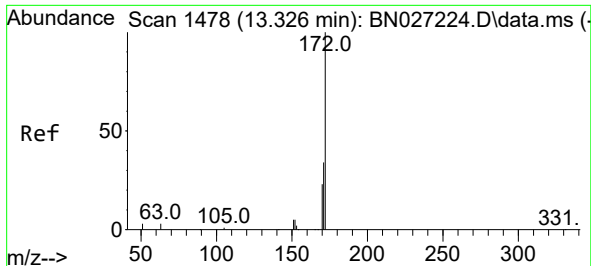
Ion Ratio Lower Upper

330 100

332 98.0 75.2 112.8

141 51.5 36.2 54.4

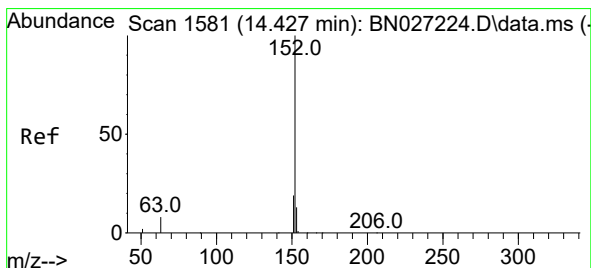
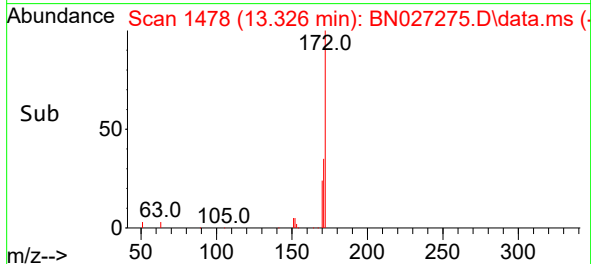
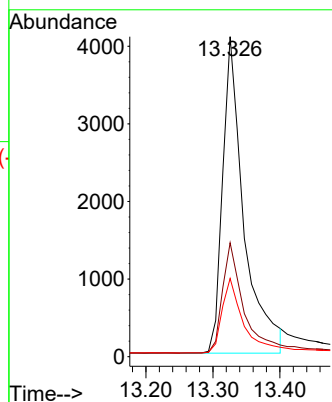
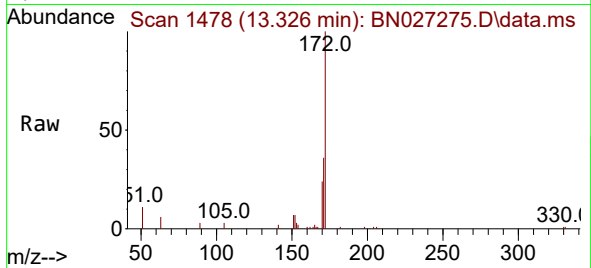




#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 13.326 min Scan# 1478
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

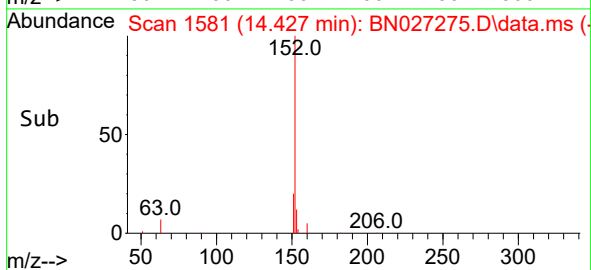
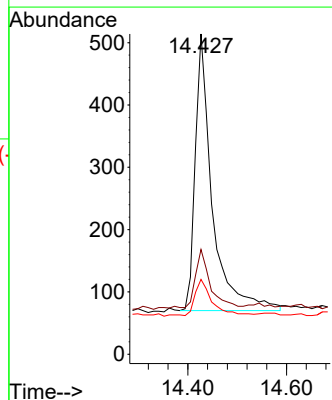
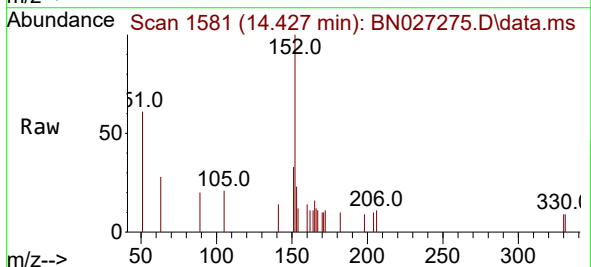
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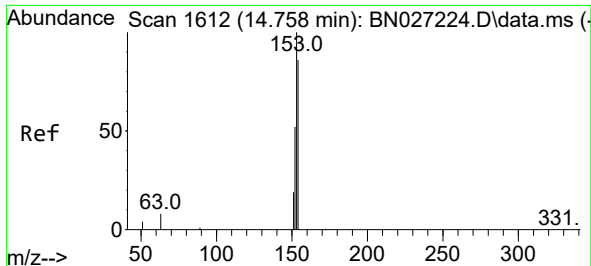
Tgt Ion:	172	Resp:	8965
Ion Ratio	Lower	Upper	
172	100		
171	35.6	27.8	41.8
170	24.5	19.3	28.9



#16
Acenaphthylene
Concen: 0.037 ng
RT: 14.427 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

Tgt Ion:	152	Resp:	1063
Ion Ratio	Lower	Upper	
152	100		
151	20.8	15.5	23.3
153	12.6	10.3	15.5

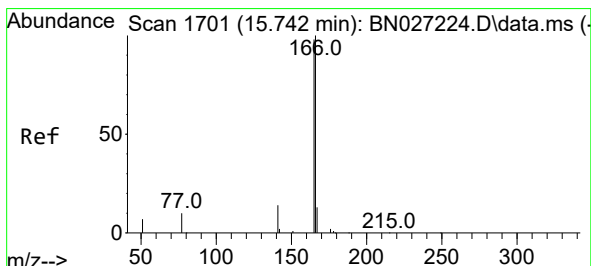
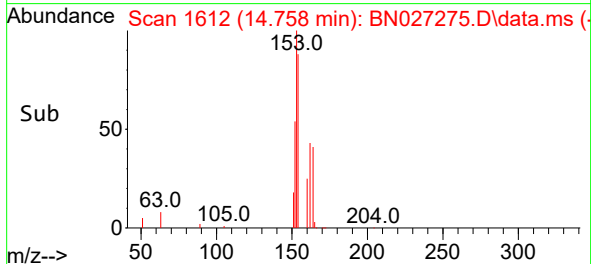
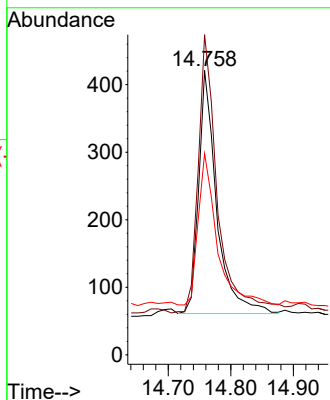
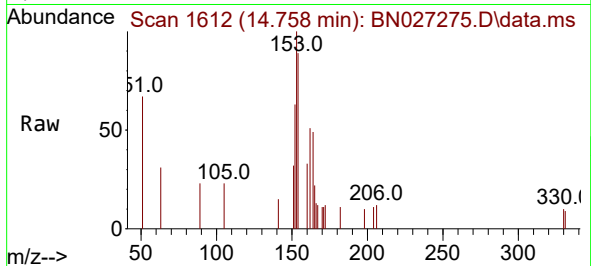




#17
Acenaphthene
Concen: 0.038 ng
RT: 14.758 min Scan# 1612
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

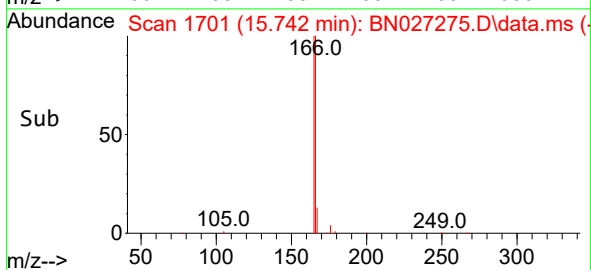
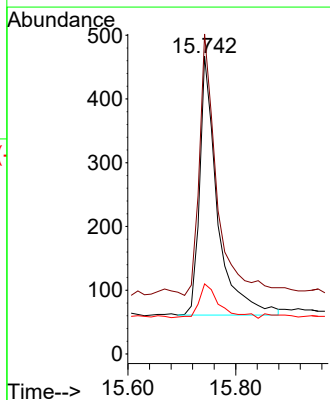
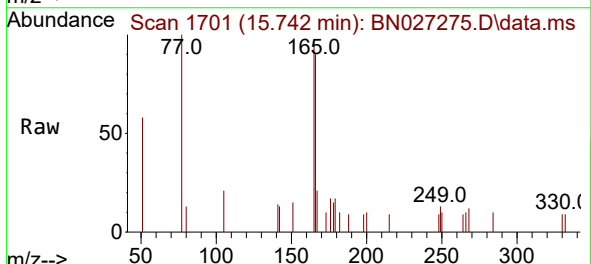
Instrument :
BNA_N
ClientSampleId :
RE132D7-20230822

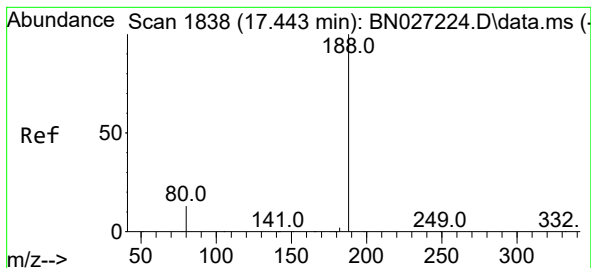
Tgt Ion:154 Resp: 723
Ion Ratio Lower Upper
154 100
153 123.5 93.1 139.7
152 64.7 48.6 73.0



#18
Fluorene
Concen: 0.036 ng
RT: 15.742 min Scan# 1701
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

Tgt Ion:166 Resp: 934
Ion Ratio Lower Upper
166 100
165 99.8 79.0 118.4
167 15.4 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.443 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BN027275.D

Acq: 30 Aug 2023 14:51

Instrument :

BNA_N

ClientSampleId :

RE132D7-20230822

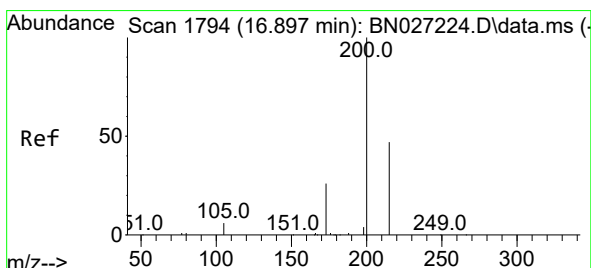
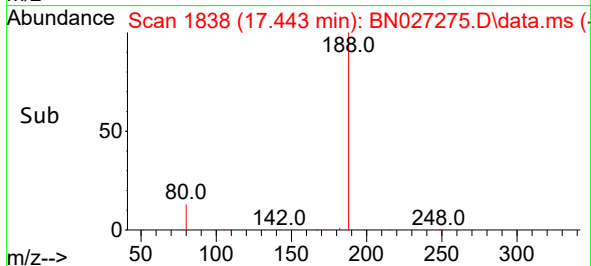
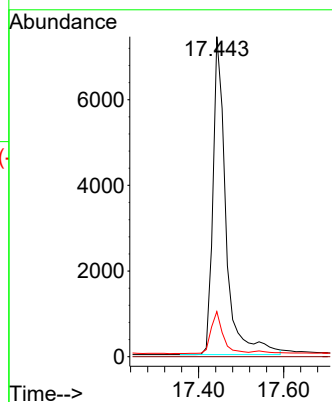
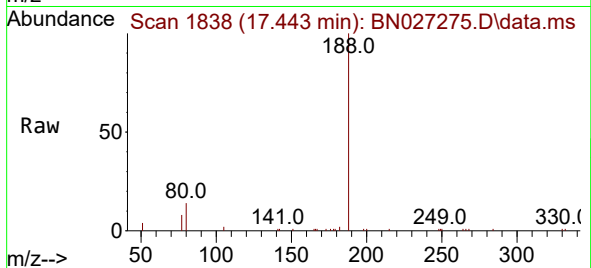
Tgt Ion:188 Resp: 15727

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.1 11.0 16.6



#20

4,6-Dinitro-2-methylphenol

Concen: 0.040 ng

RT: 16.897 min Scan# 1794

Delta R.T. 0.000 min

Lab File: BN027275.D

Acq: 30 Aug 2023 14:51

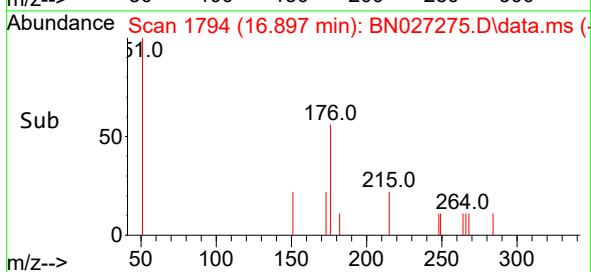
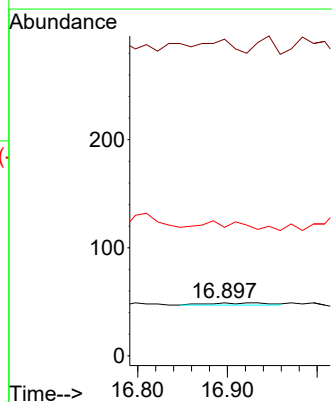
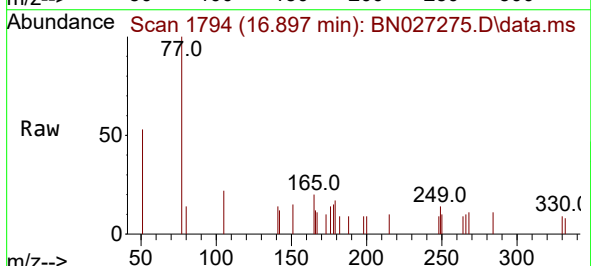
Tgt Ion:198 Resp: 9

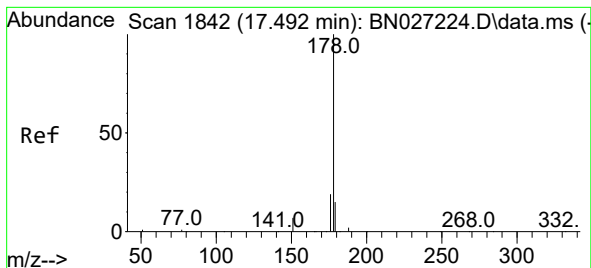
Ion Ratio Lower Upper

198 100

51 598.0 282.2 423.2#

105 242.9 168.7 253.1





#25

Phenanthrene

Concen: 0.035 ng

RT: 17.492 min Scan# 1842

Delta R.T. 0.000 min

Lab File: BN027275.D

Acq: 30 Aug 2023 14:51

Instrument :

BNA_N

ClientSampleId :

RE132D7-20230822

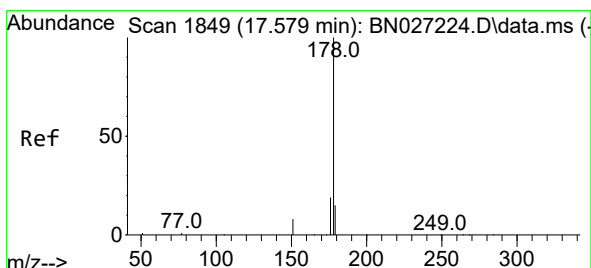
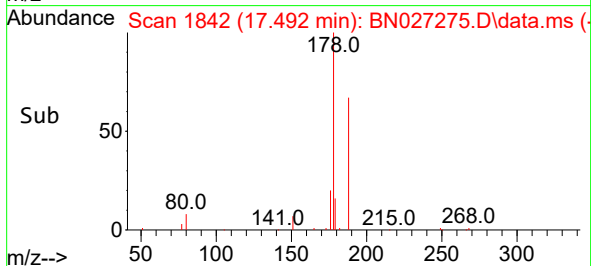
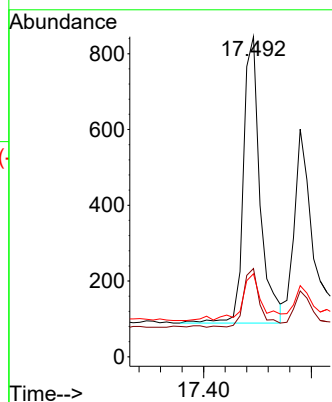
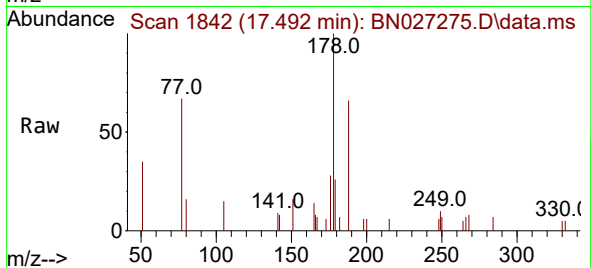
Tgt Ion:178 Resp: 1627

Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

179 17.8 12.3 18.5



#26

Anthracene

Concen: 0.029 ng

RT: 17.579 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BN027275.D

Acq: 30 Aug 2023 14:51

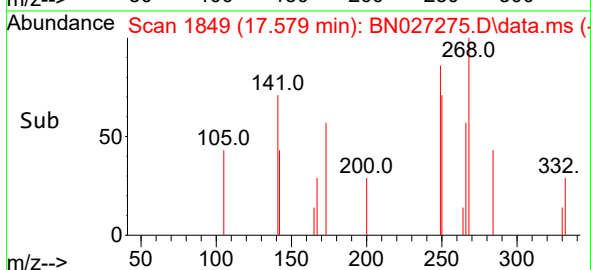
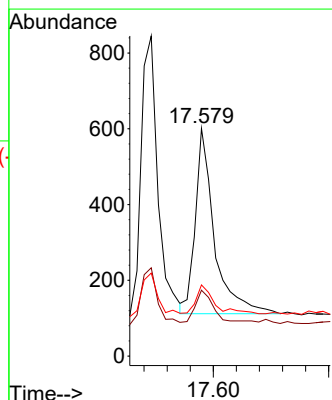
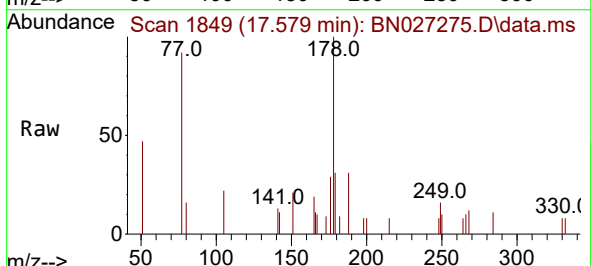
Tgt Ion:178 Resp: 1123

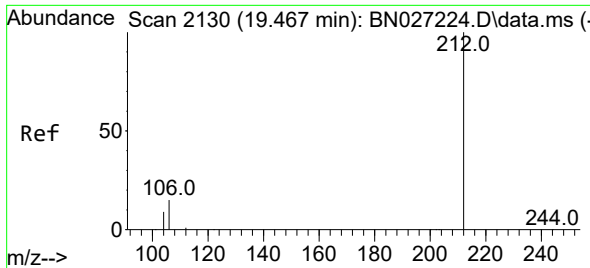
Ion Ratio Lower Upper

178 100

176 16.2 14.9 22.3

179 14.9 12.0 18.0

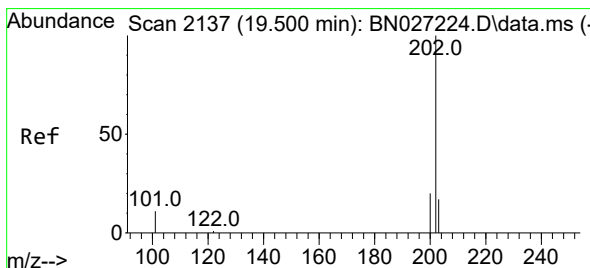
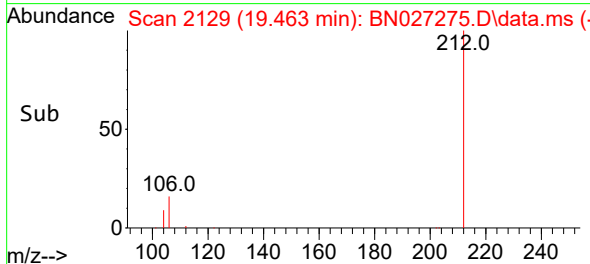
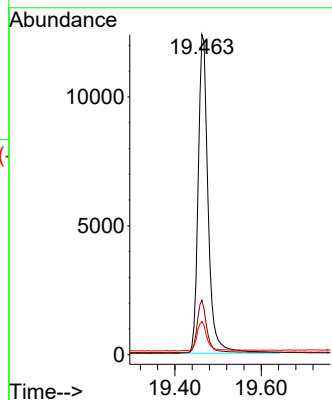
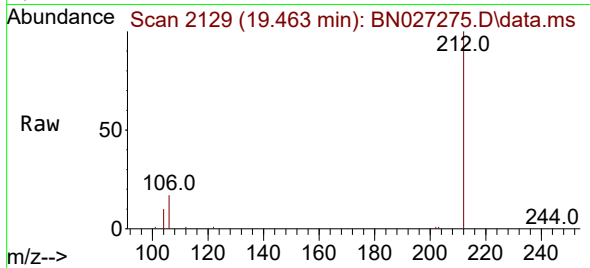




#27
Fluoranthene-d10
Concen: 0.508 ng
RT: 19.463 min Scan# 2129
Delta R.T. -0.005 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

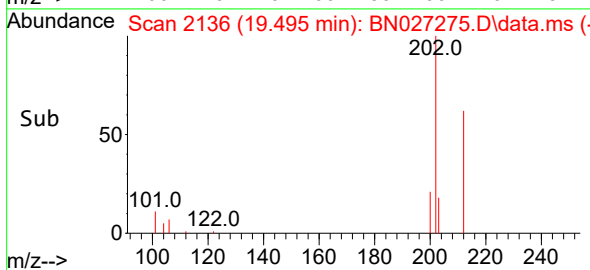
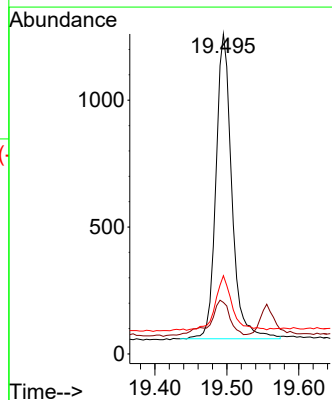
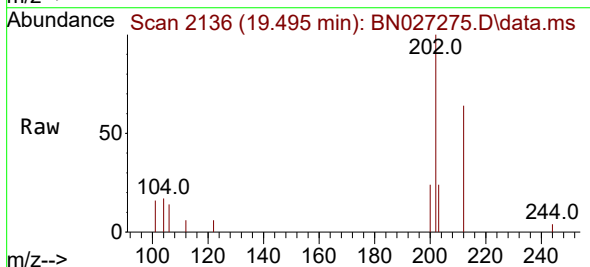
Instrument :
BNA_N
ClientSampleId :
RE132D7-20230822

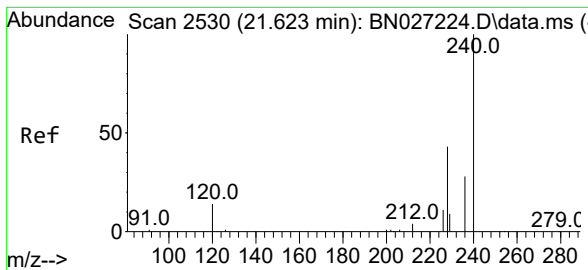
Tgt Ion:212 Resp: 19850
Ion Ratio Lower Upper
212 100
106 15.9 12.1 18.1
104 9.2 6.9 10.3



#28
Fluoranthene
Concen: 0.034 ng
RT: 19.495 min Scan# 2136
Delta R.T. -0.005 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

Tgt Ion:202 Resp: 1837
Ion Ratio Lower Upper
202 100
101 15.8 9.6 14.4#
203 19.3 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.623 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027275.D

Acq: 30 Aug 2023 14:51

Instrument :

BNA_N

ClientSampleId :

RE132D7-20230822

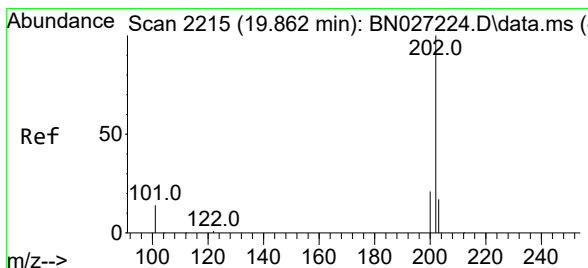
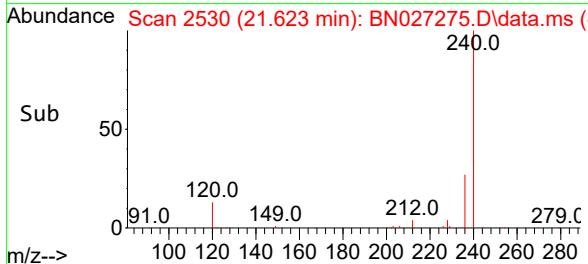
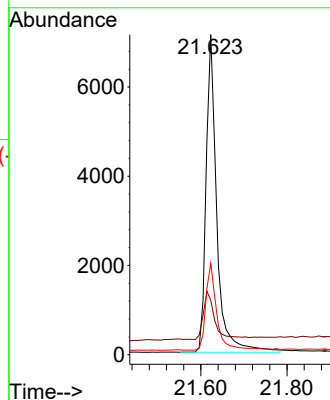
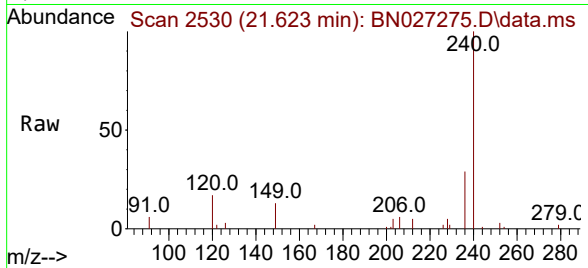
Tgt Ion:240 Resp: 12348

Ion Ratio Lower Upper

240 100

120 17.1 14.2 21.4

236 28.6 22.9 34.3



#30

Pyrene

Concen: 0.037 ng

RT: 19.857 min Scan# 2214

Delta R.T. -0.005 min

Lab File: BN027275.D

Acq: 30 Aug 2023 14:51

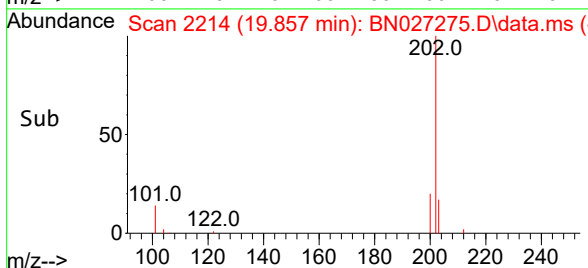
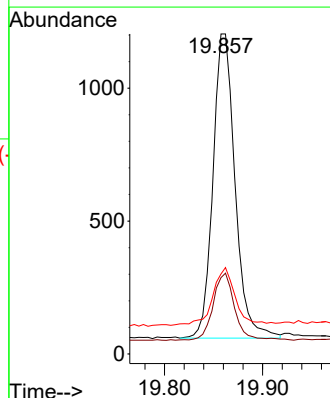
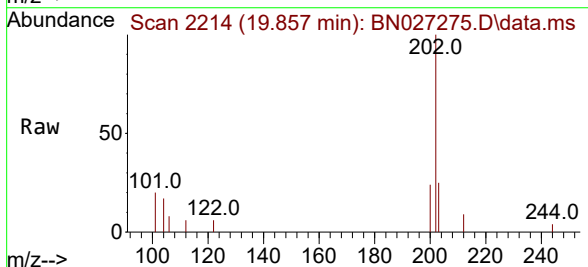
Tgt Ion:202 Resp: 1794

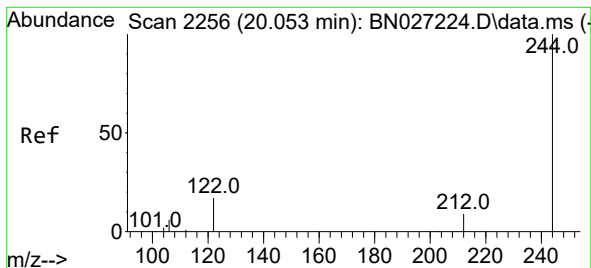
Ion Ratio Lower Upper

202 100

200 21.9 16.6 25.0

203 19.8 14.2 21.4





#31

Terphenyl-d14

Concen: 0.561 ng

RT: 20.048 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN027275.D

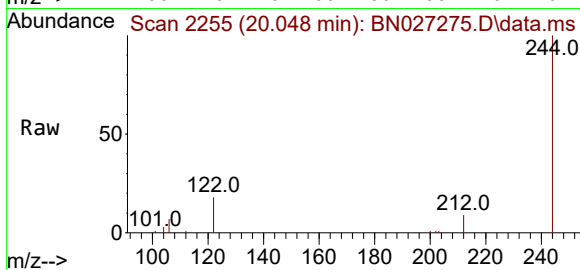
Acq: 30 Aug 2023 14:51

Instrument :

BNA_N

ClientSampleId :

RE132D7-20230822



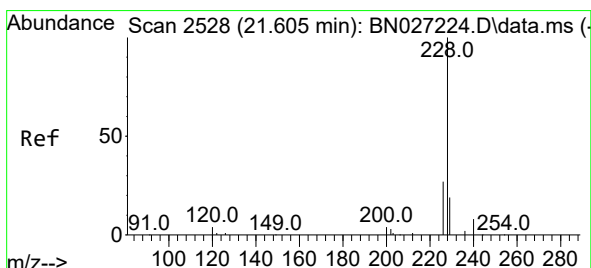
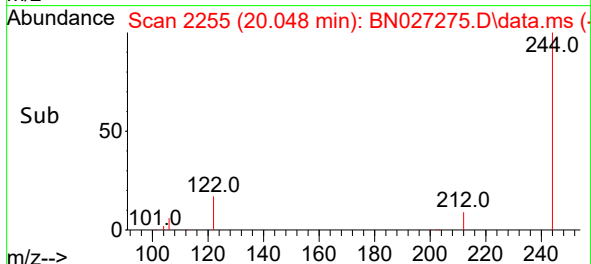
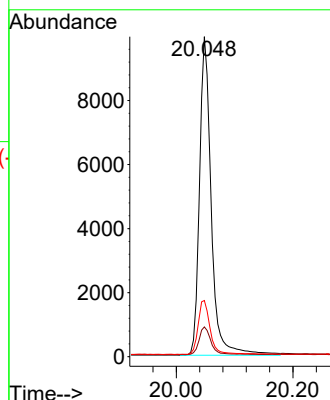
Tgt Ion:244 Resp: 13922

Ion Ratio Lower Upper

244 100

212 9.3 7.5 11.3

122 17.5 14.0 21.0



#32

Benzo(a)anthracene

Concen: 0.031 ng

RT: 21.605 min Scan# 2528

Delta R.T. 0.000 min

Lab File: BN027275.D

Acq: 30 Aug 2023 14:51

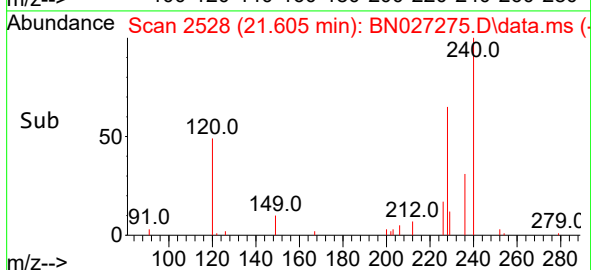
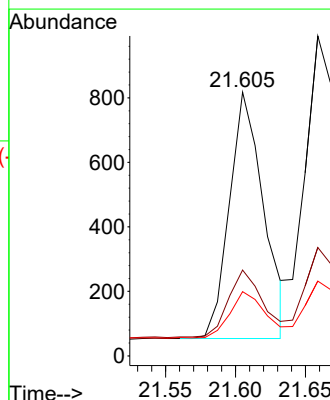
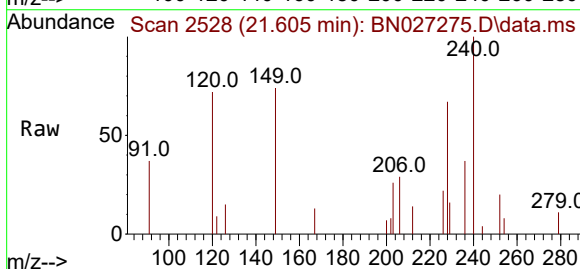
Tgt Ion:228 Resp: 1298

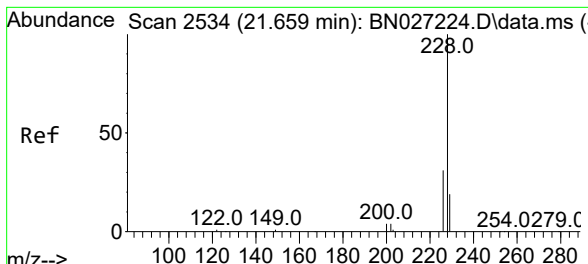
Ion Ratio Lower Upper

228 100

226 32.5 21.9 32.9

229 24.3 15.7 23.5#





#33

Chrysene

Concen: 0.036 ng

RT: 21.659 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN027275.D

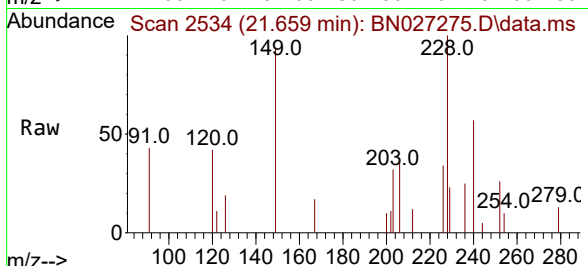
Acq: 30 Aug 2023 14:51

Instrument :

BNA_N

ClientSampleId :

RE132D7-20230822



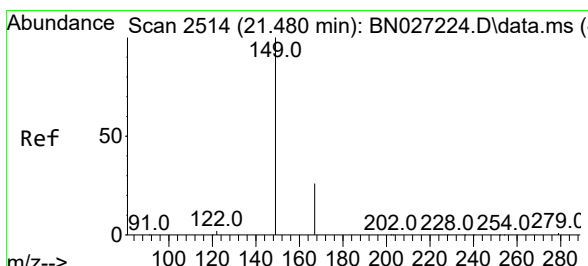
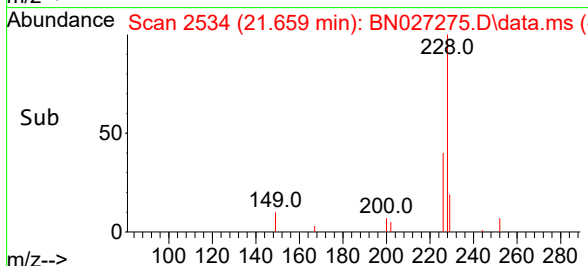
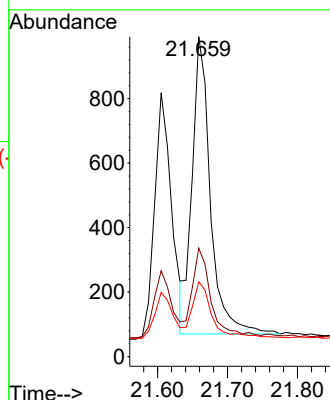
Tgt Ion:228 Resp: 1677

Ion Ratio Lower Upper

228 100

226 33.9 24.3 36.5

229 23.4 15.4 23.2#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.041 ng

RT: 21.480 min Scan# 2514

Delta R.T. 0.000 min

Lab File: BN027275.D

Acq: 30 Aug 2023 14:51

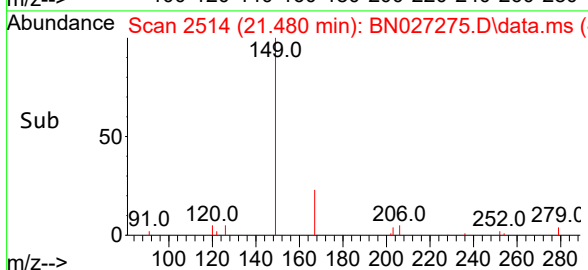
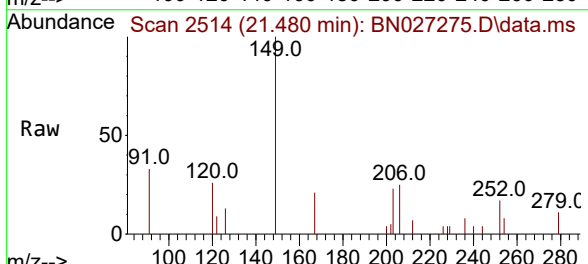
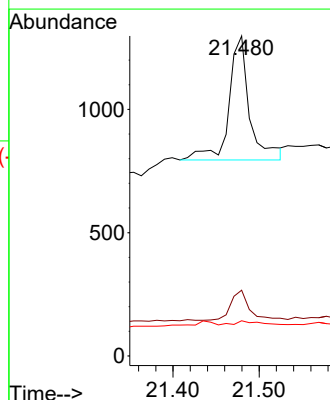
Tgt Ion:149 Resp: 839

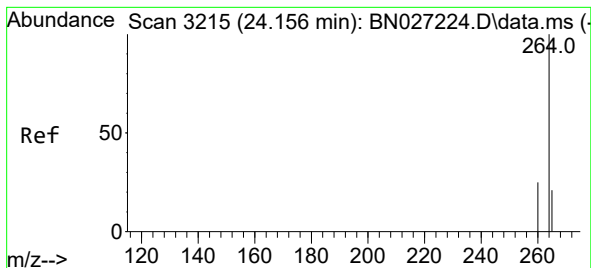
Ion Ratio Lower Upper

149 100

167 21.6 22.1 33.1#

279 3.7 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.154 min Scan# 31

Delta R.T. -0.003 min

Lab File: BN027275.D

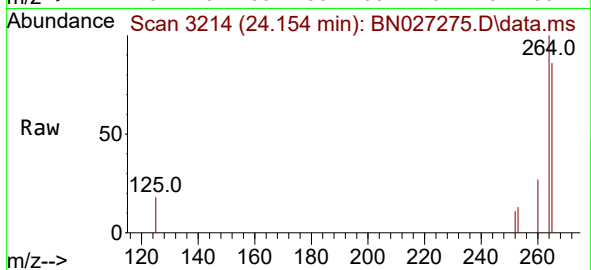
Acq: 30 Aug 2023 14:51

Instrument :

BNA_N

ClientSampleId :

RE132D7-20230822



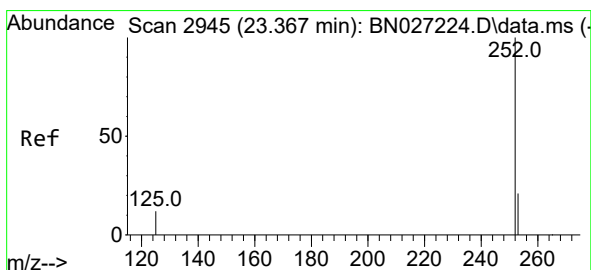
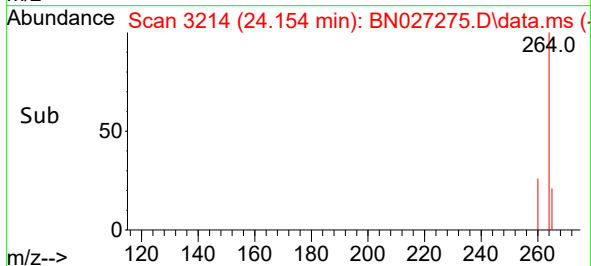
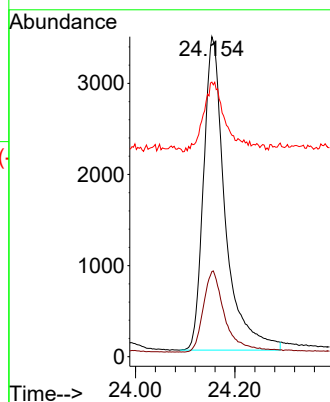
Tgt Ion:264 Resp: 10418

Ion Ratio Lower Upper

264 100

260 26.6 20.7 31.1

265 85.8 53.3 79.9#



#37

Benzo(b)fluoranthene

Concen: 0.032 ng

RT: 23.367 min Scan# 2945

Delta R.T. 0.000 min

Lab File: BN027275.D

Acq: 30 Aug 2023 14:51

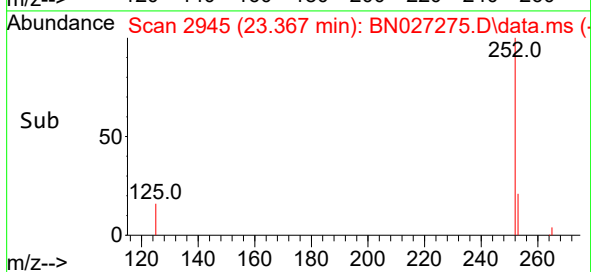
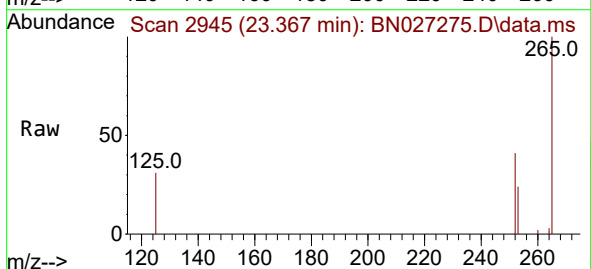
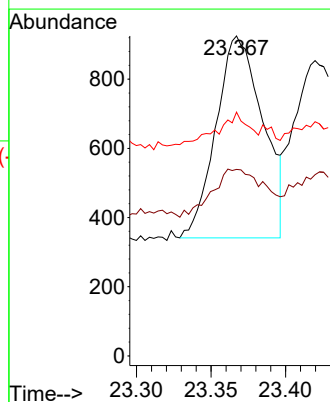
Tgt Ion:252 Resp: 1282

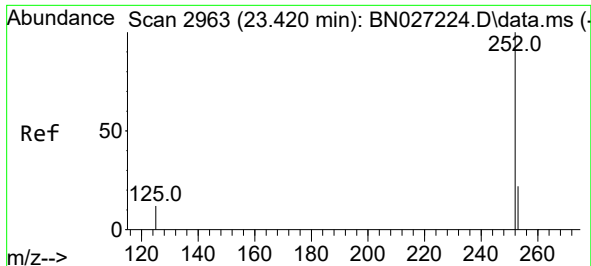
Ion Ratio Lower Upper

252 100

253 58.3 19.9 29.9#

125 76.2 13.8 20.6#

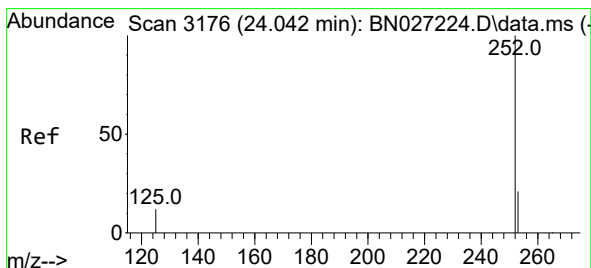
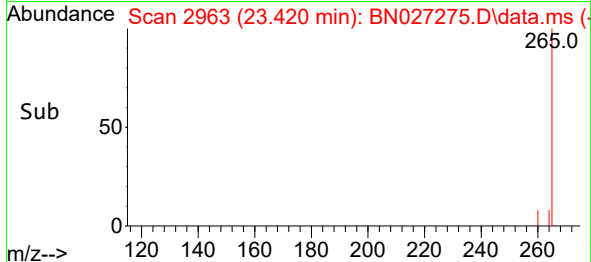
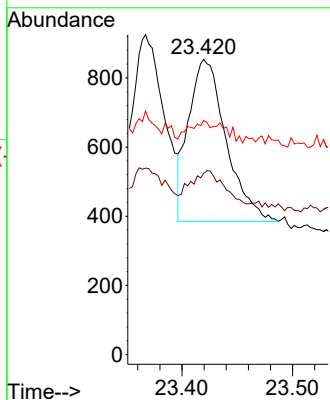
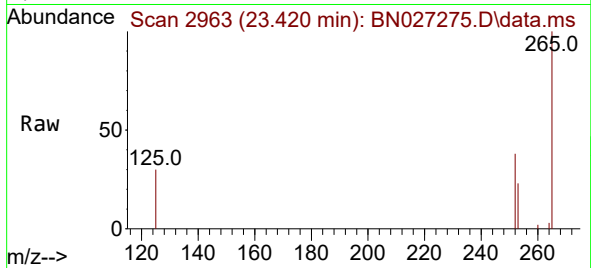




#38
Benzo(k)fluoranthene
Concen: 0.027 ng
RT: 23.420 min Scan# 2963
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

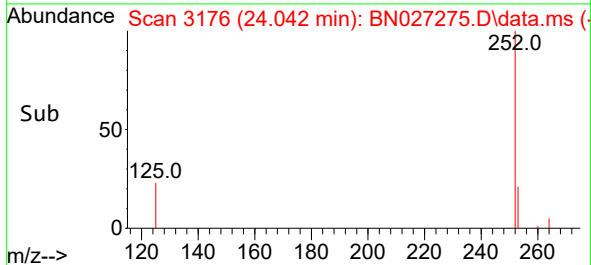
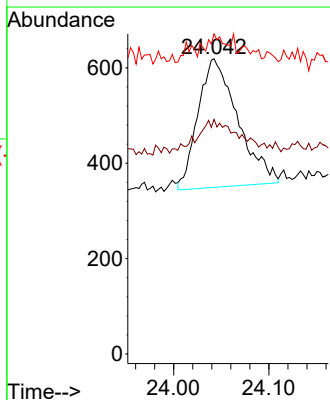
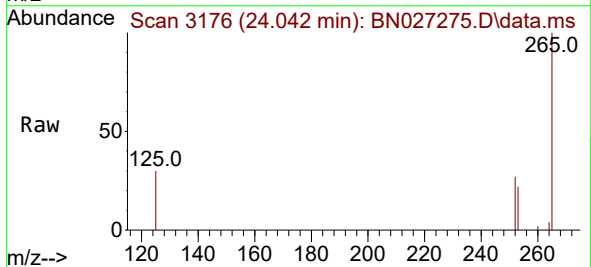
Instrument :
BNA_N
ClientSampleId :
RE132D7-20230822

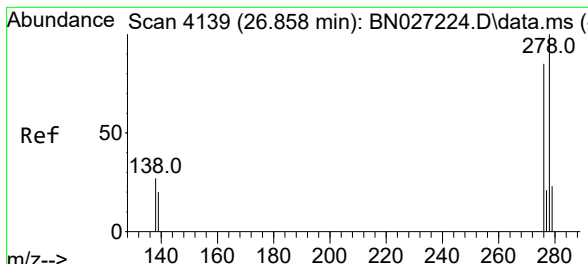
Tgt Ion:252 Resp: 1105
Ion Ratio Lower Upper
252 100
253 61.4 20.2 30.2#
125 79.3 14.1 21.1#



#39
Benzo(a)pyrene
Concen: 0.021 ng
RT: 24.042 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

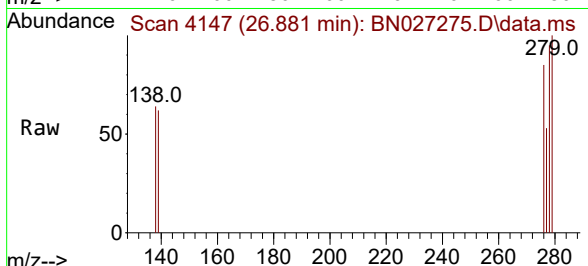
Tgt Ion:252 Resp: 785
Ion Ratio Lower Upper
252 100
253 79.5 21.4 32.0#
125 108.4 16.5 24.7#





#40
 Dibenzo(a,h)anthracene
 Concen: 0.021 ng
 RT: 26.881 min Scan# 41
 Delta R.T. 0.023 min
 Lab File: BN027275.D
 Acq: 30 Aug 2023 14:51

Instrument :
 BNA_N
 ClientSampleId :
 RE132D7-20230822



Tgt Ion:	278	Resp:	709
Ion	Ratio	Lower	Upper
278	100		
139	65.8	17.9	26.9#
279	105.8	21.8	32.6#

