

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)

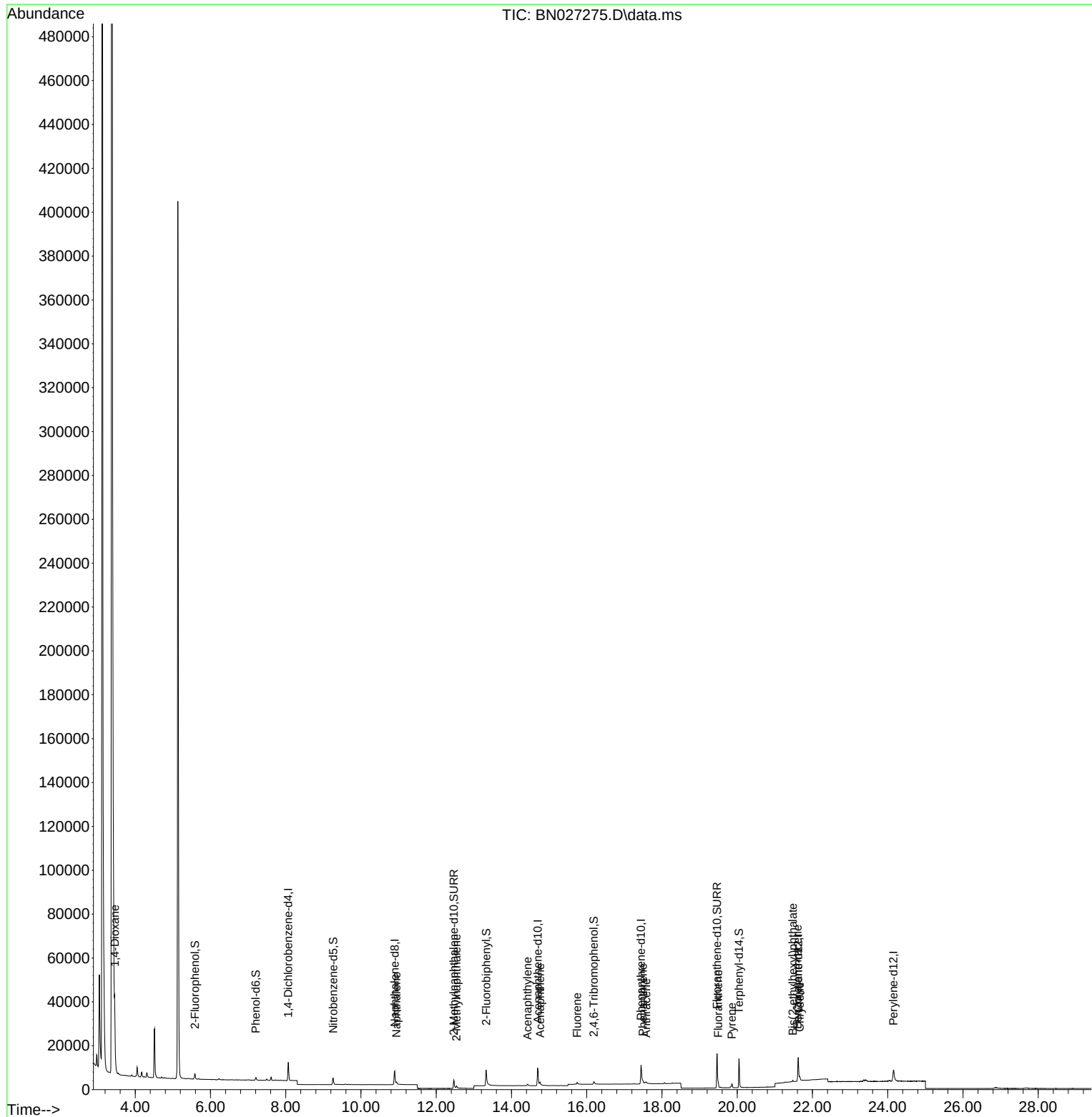
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.066	152	4145	0.400	ng	0.00
7) Naphthalene-d8	10.895	136	10564	0.400	ng	0.00
13) Acenaphthene-d10	14.694	164	6340	0.400	ng	0.00
19) Phenanthrene-d10	17.443	188	15727	0.400	ng	0.00
29) Chrysene-d12	21.623	240	12348	0.400	ng	0.00
35) Perylene-d12	24.154	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						
						Qvalue
2) 1,4-Dioxane	3.458	88	15411	3.046	ng	95
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
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

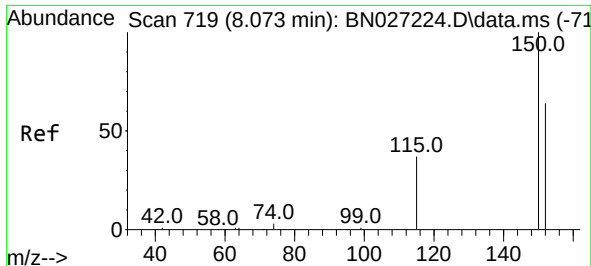
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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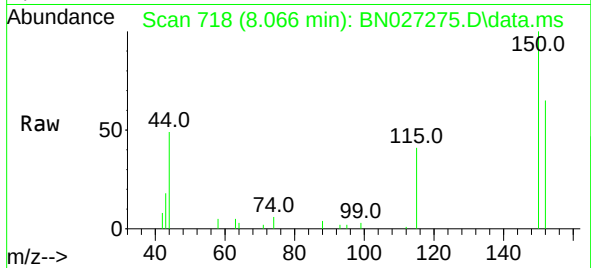
Quant Time: Aug 31 04:28:17 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 29 05:37:30 2023
Response via : Initial Calibration



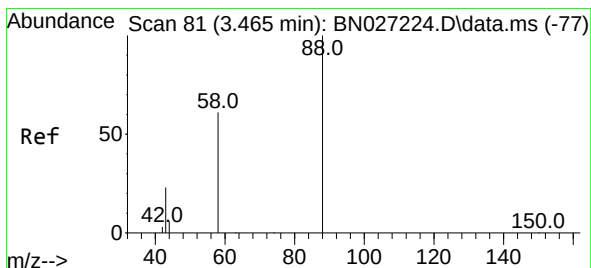
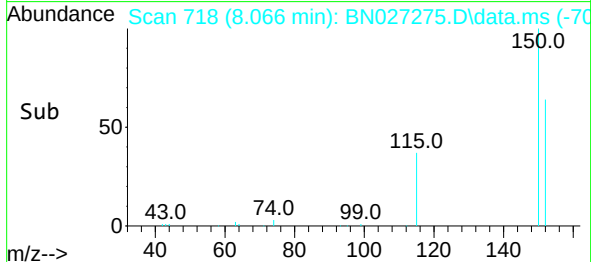
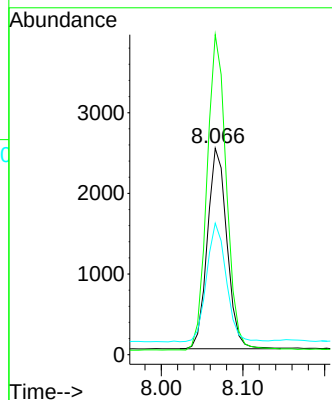


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.066 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: BN027275.D
 Acq: 30 Aug 2023 14:51

Instrument :
 BNA_N
 ClientSampleId :
 RE132D7-20230822

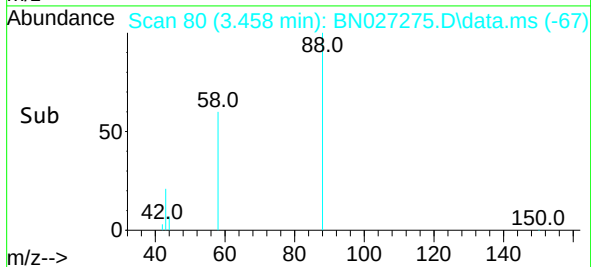
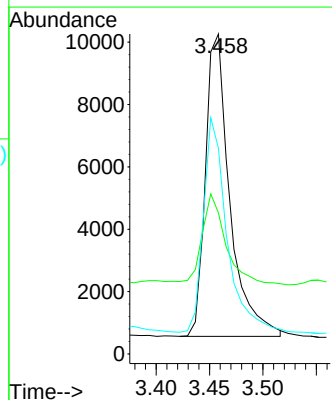
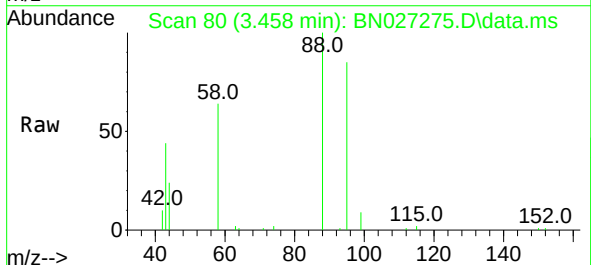


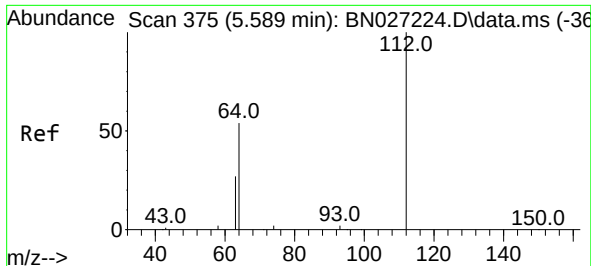
Tgt Ion: 152 Resp: 4145
 Ion Ratio Lower Upper
 152 100
 150 155.0 122.7 184.1
 115 63.7 48.6 73.0



#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

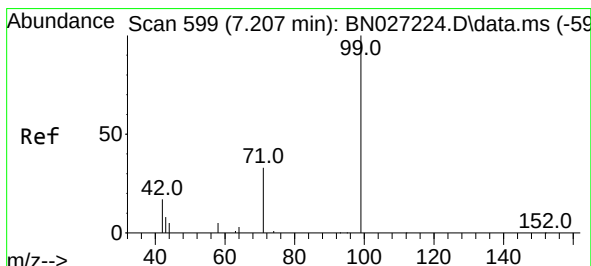
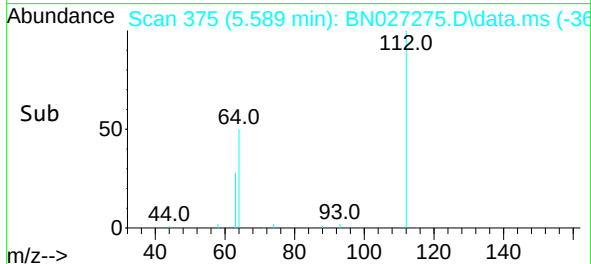
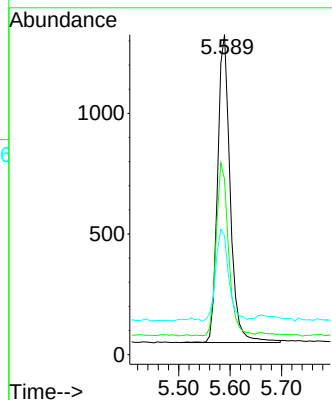
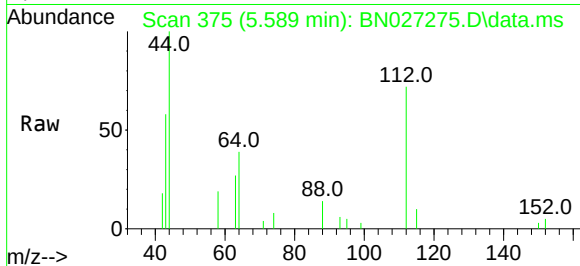




#4
2-Fluorophenol
Concen: 0.201 ng
RT: 5.589 min Scan# 31
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

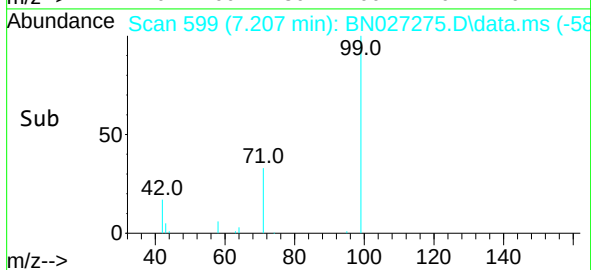
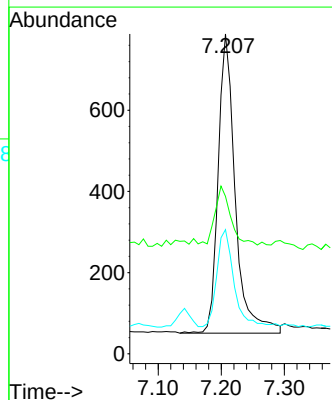
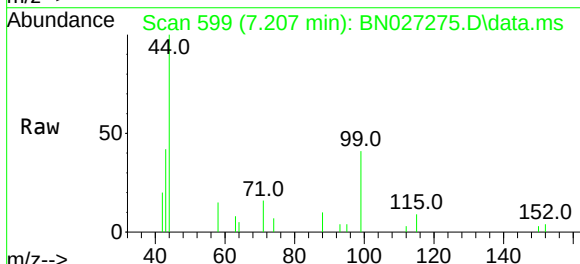
Instrument :
BNA_N
ClientSampleId :
RE132D7-20230822

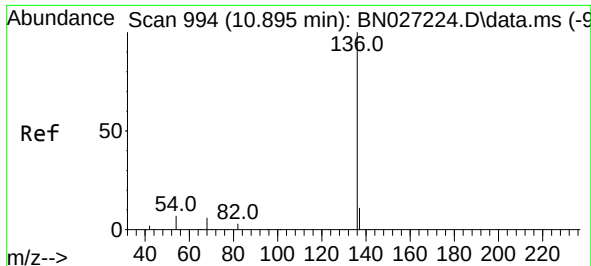
Tgt Ion:112 Resp: 2171
Ion Ratio Lower Upper
112 100
64 54.6 44.4 66.6
63 30.8 23.1 34.7



#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

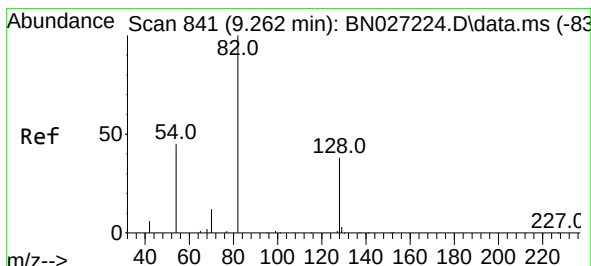
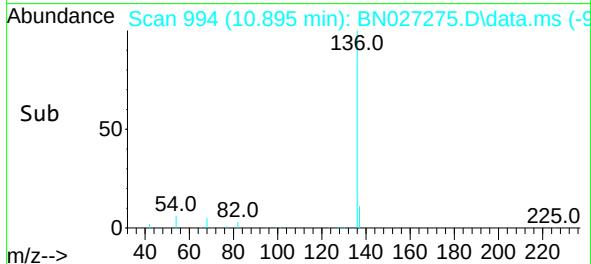
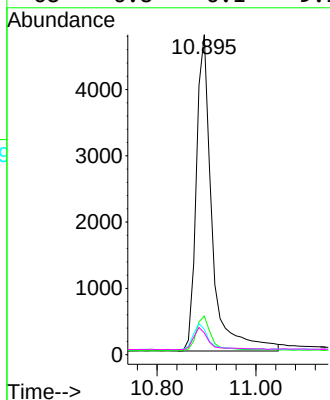
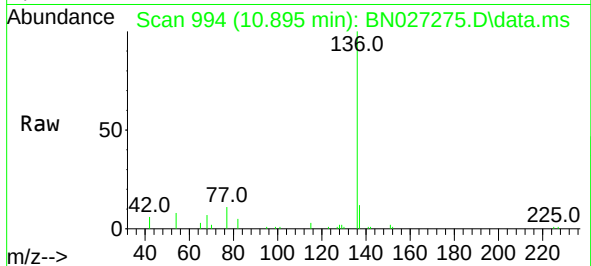




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.895 min Scan# 994
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

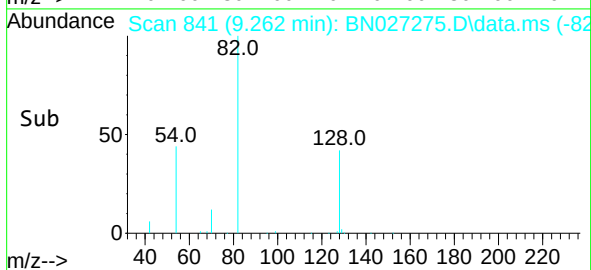
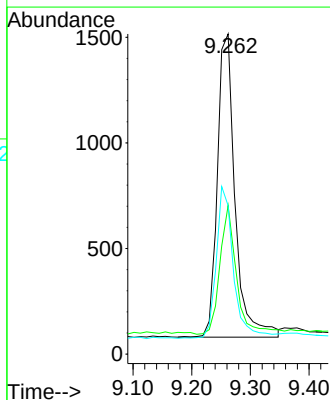
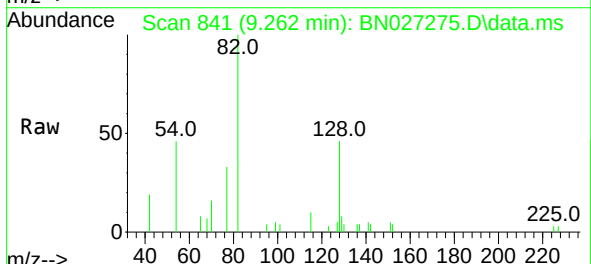
Instrument :
BNA_N
ClientSampleId :
RE132D7-20230822

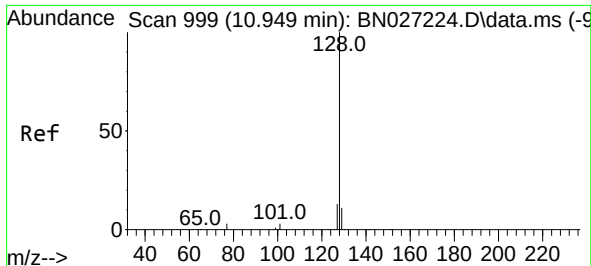
Tgt Ion:	136	Resp:	10564
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.3	13.9
54	7.9	6.7	10.1
68	6.8	6.1	9.1



#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

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

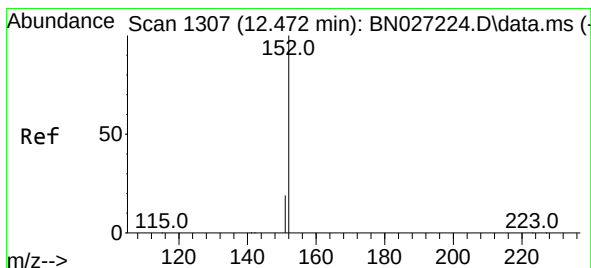
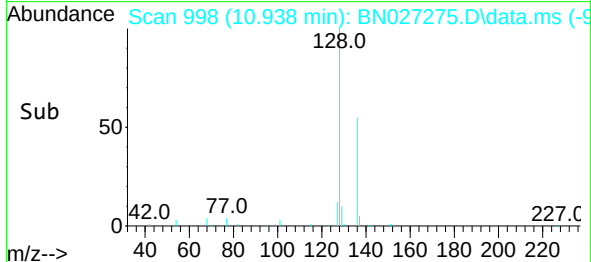
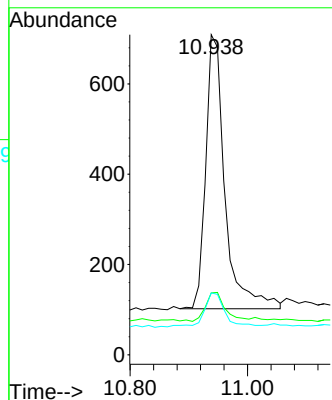
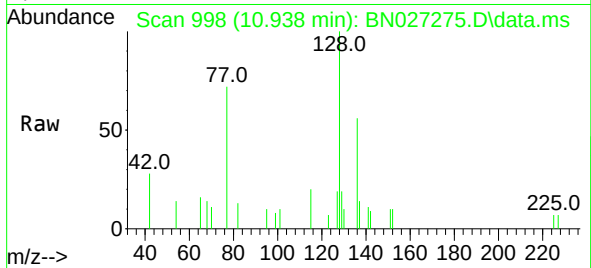




#9
Naphthalene
Concen: 0.048 ng
RT: 10.938 min Scan# 999
Delta R.T. -0.011 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

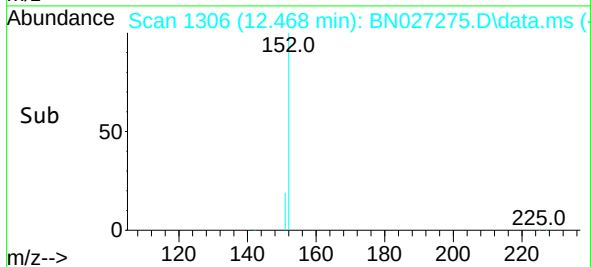
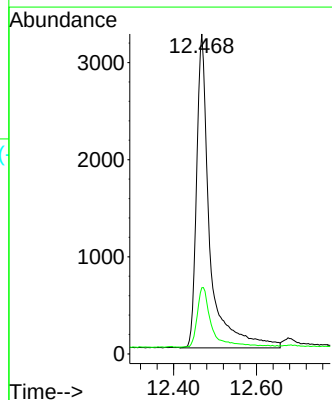
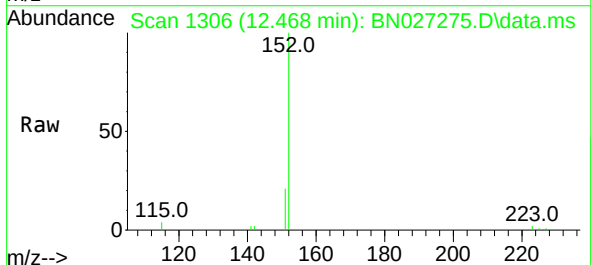
Instrument :
BNA_N
ClientSampleId :
RE132D7-20230822

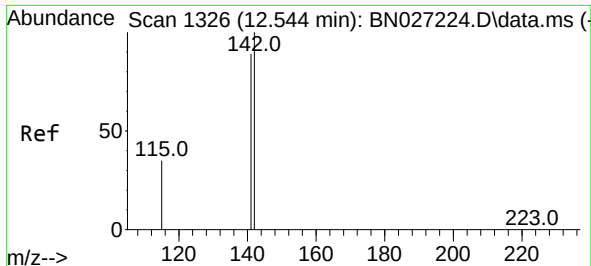
Tgt Ion:128 Resp: 1384
Ion Ratio Lower Upper
128 100
129 19.3 9.4 14.0#
127 19.3 10.6 15.8#



#11
2-Methylnaphthalene-d10
Concen: 0.460 ng
RT: 12.468 min Scan# 1306
Delta R.T. -0.004 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

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

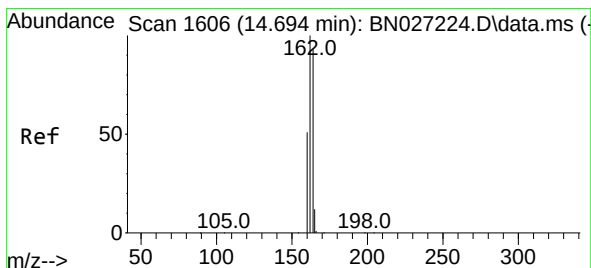
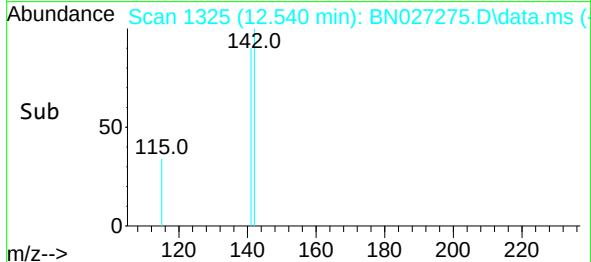
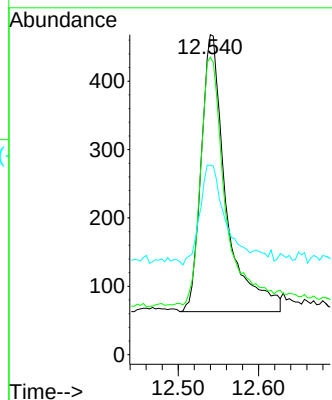
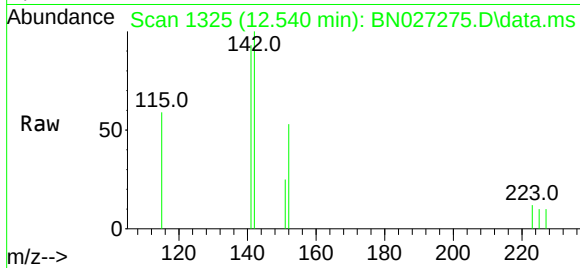




#12
2-Methylnaphthalene
Concen: 0.043 ng
RT: 12.540 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

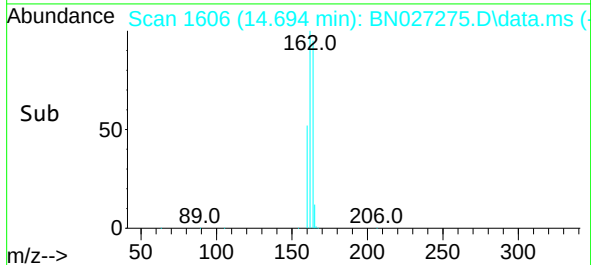
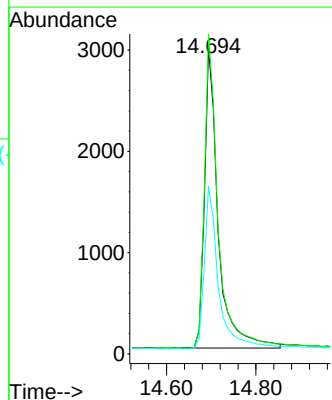
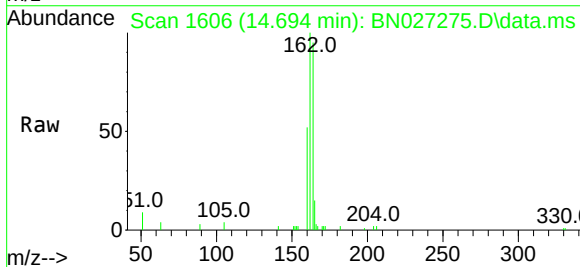
Instrument :
BNA_N
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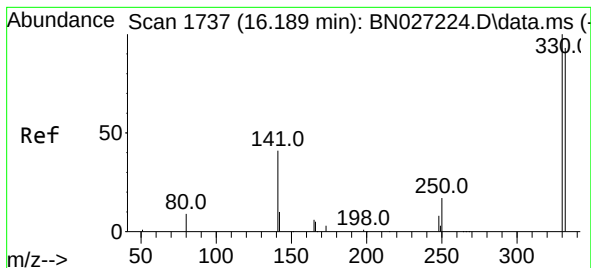
Tgt Ion:142 Resp: 873
Ion Ratio Lower Upper
142 100
141 92.9 71.1 106.7
115 59.2 29.6 44.4#



#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

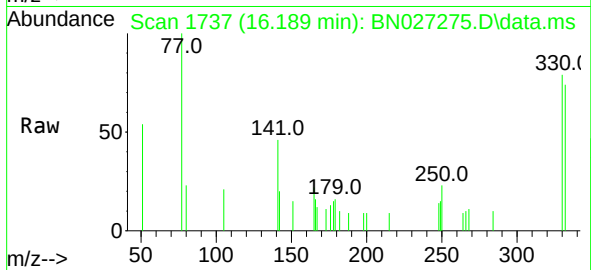
Tgt Ion:164 Resp: 6340
Ion Ratio Lower Upper
164 100
162 104.8 85.8 128.8
160 54.9 44.2 66.2



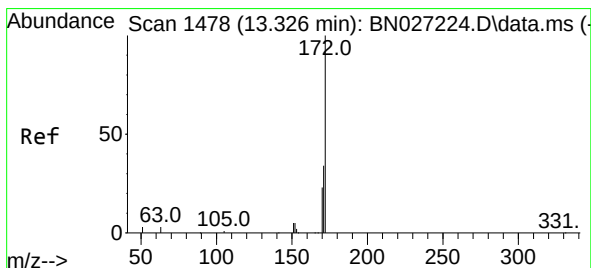
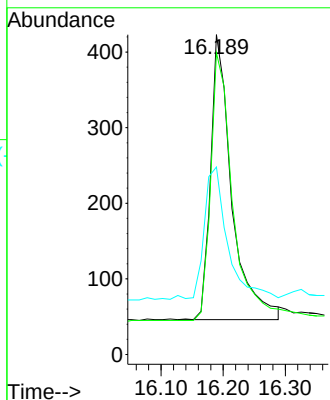
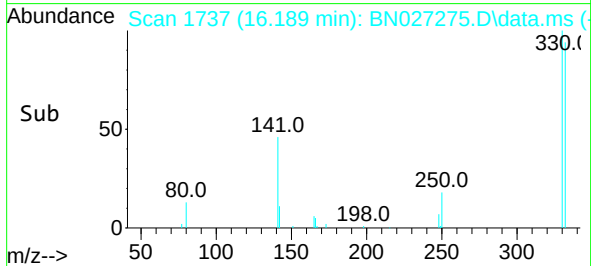


#14
2,4,6-Tribromophenol
Concen: 0.380 ng
RT: 16.189 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

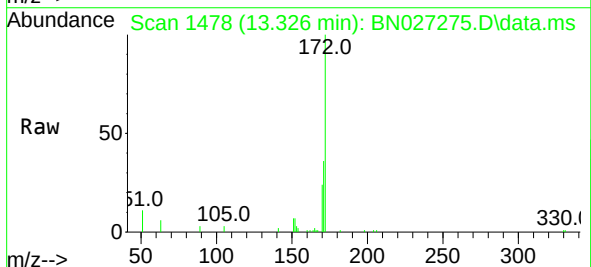
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BNA_N
ClientSampleId :
RE132D7-20230822



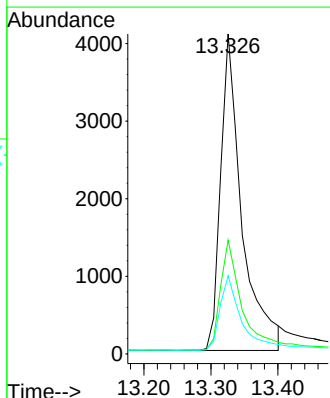
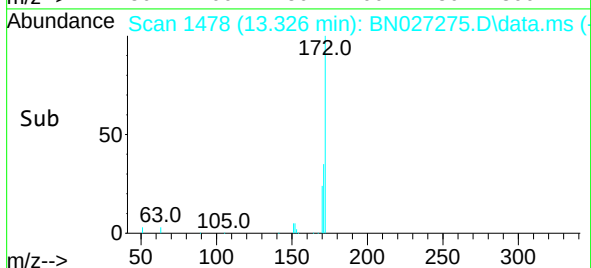
Tgt Ion:330 Resp: 892
Ion Ratio Lower Upper
330 100
332 98.0 75.2 112.8
141 51.5 36.2 54.4

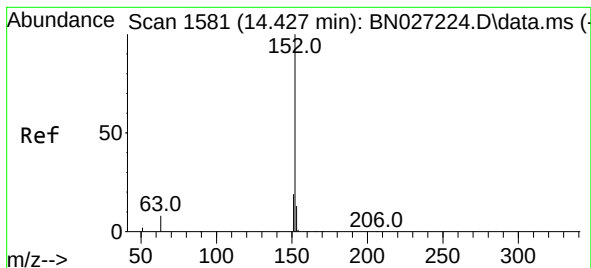


#15
2-Fluorobiphenyl
Concen: 0.372 ng
RT: 13.326 min Scan# 1478
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51



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

Instrument :

BNA_N

ClientSampleId :

RE132D7-20230822

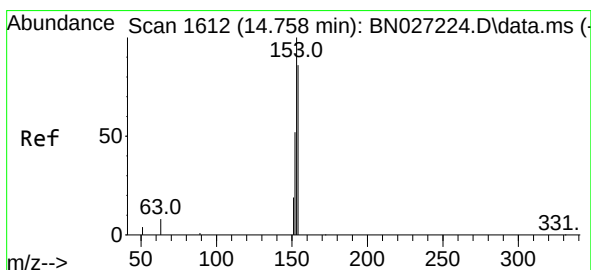
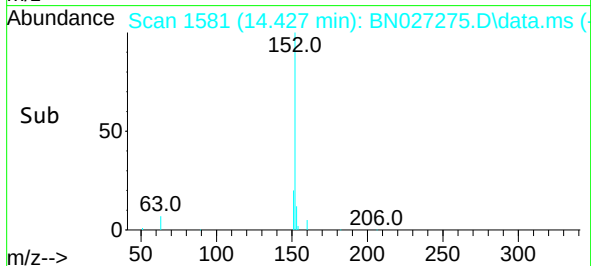
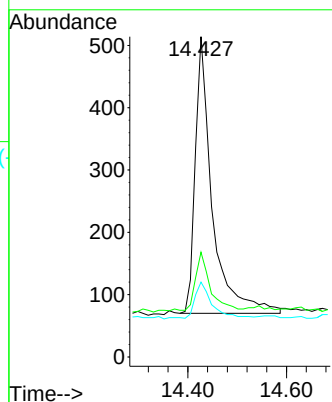
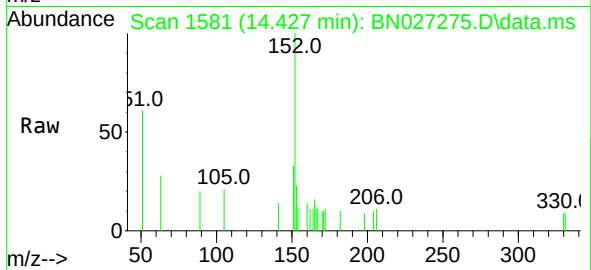
Tgt Ion:152 Resp: 1063

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

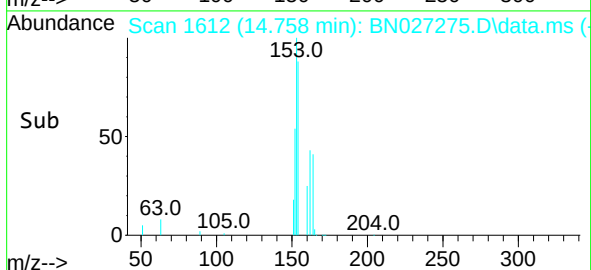
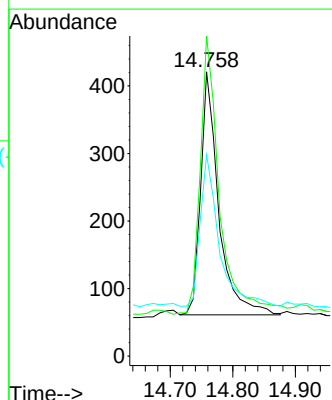
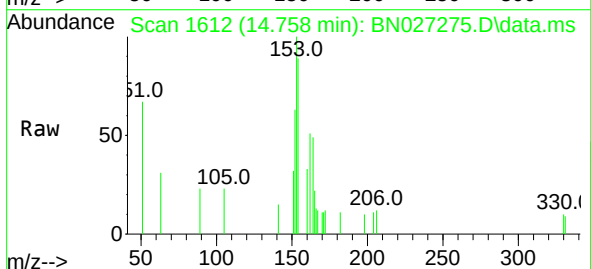
Tgt Ion:154 Resp: 723

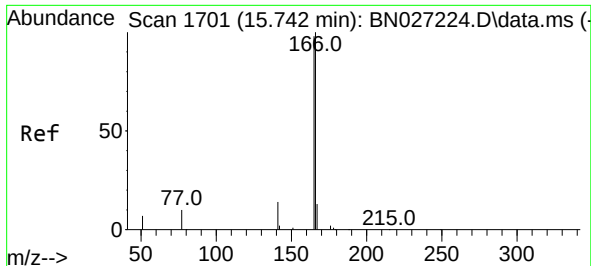
Ion Ratio Lower Upper

154 100

153 123.5 93.1 139.7

152 64.7 48.6 73.0

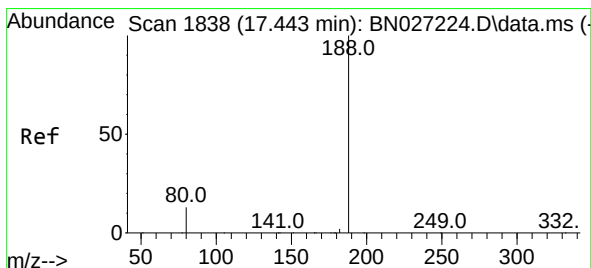
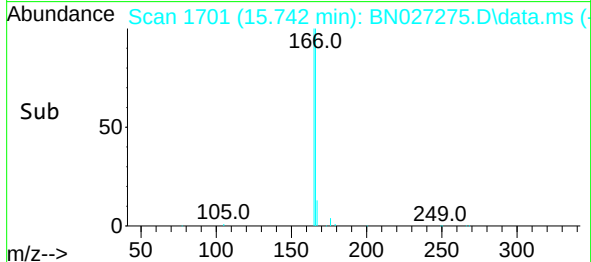
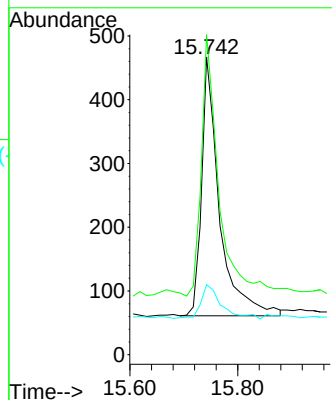
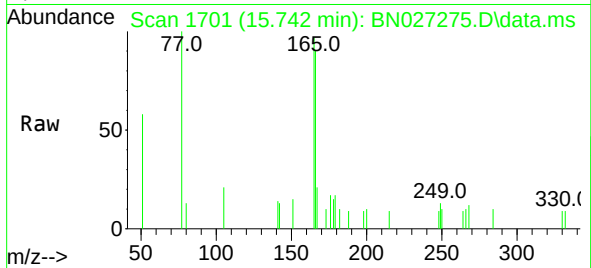




#18
 Fluorene
 Concen: 0.036 ng
 RT: 15.742 min Scan# 1701
 Delta R.T. 0.000 min
 Lab File: BN027275.D
 Acq: 30 Aug 2023 14:51

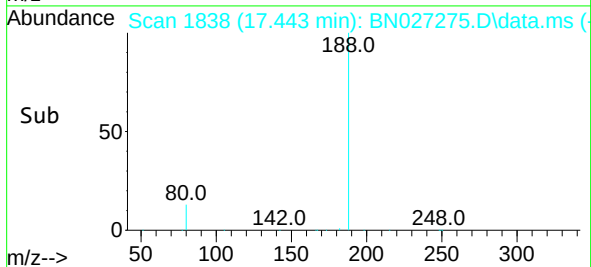
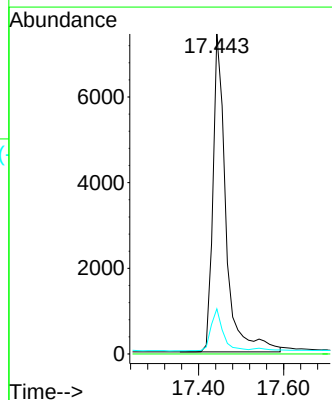
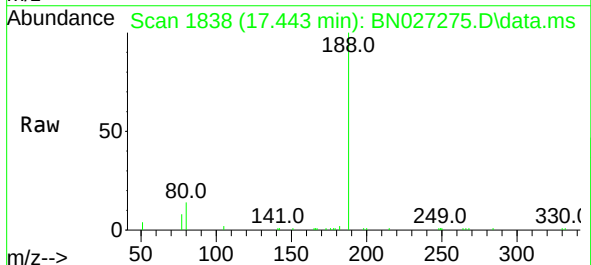
Instrument :
 BNA_N
 ClientSampleId :
 RE132D7-20230822

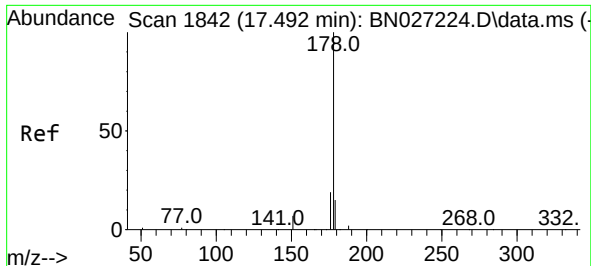
Tgt Ion:166 Resp: 934
 Ion Ratio Lower Upper
 166 100
 165 99.8 79.0 118.4
 167 15.4 10.8 16.2



#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

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

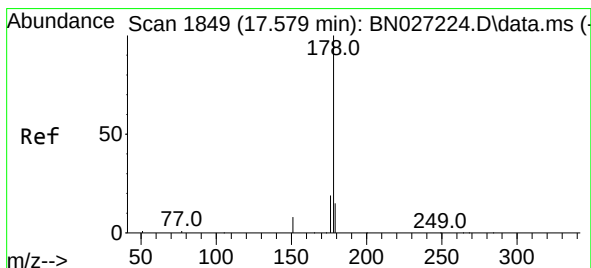
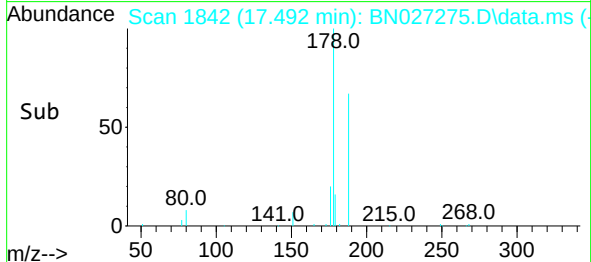
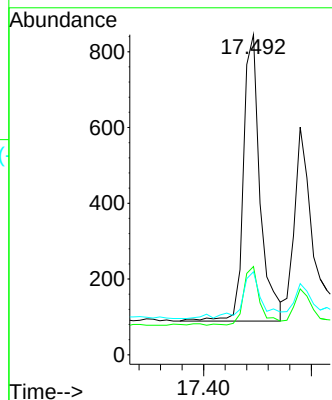
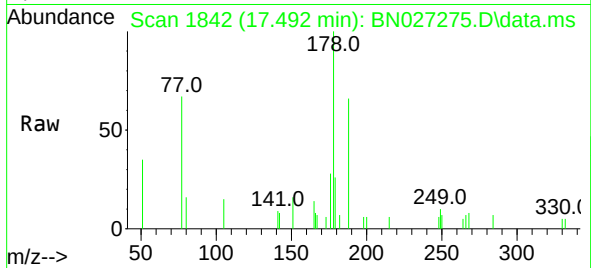




#25
Phenanthrene
Concen: 0.035 ng
RT: 17.492 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

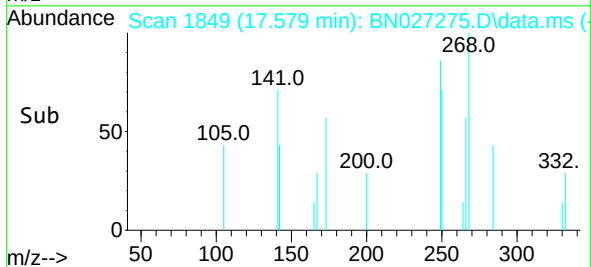
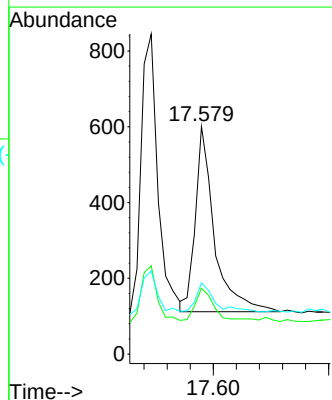
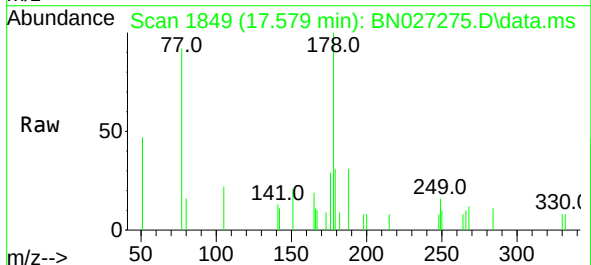
Instrument :
BNA_N
ClientSampleId :
RE132D7-20230822

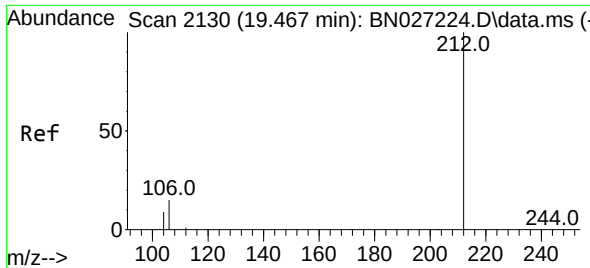
Tgt Ion:178 Resp: 1627
Ion Ratio Lower Upper
178 100
176 19.6 15.6 23.4
179 17.8 12.3 18.5



#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

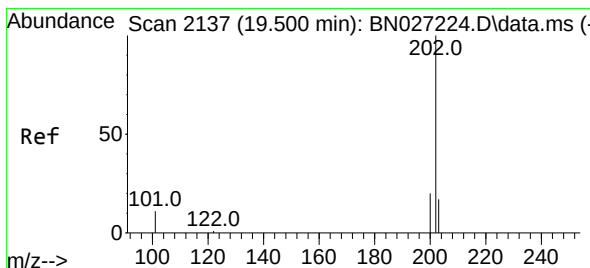
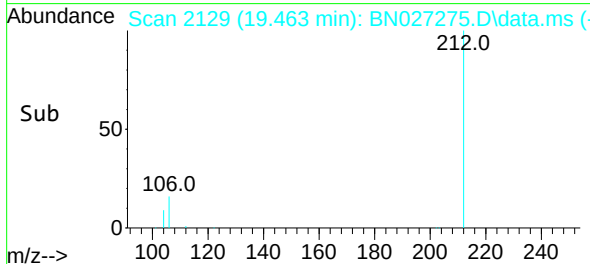
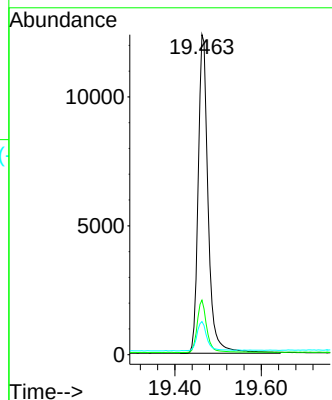
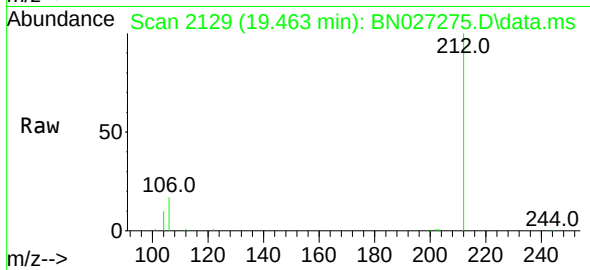




#27
Fluoranthene-d10
Concen: 0.508 ng
RT: 19.463 min Scan# 2130
Delta R.T. -0.005 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

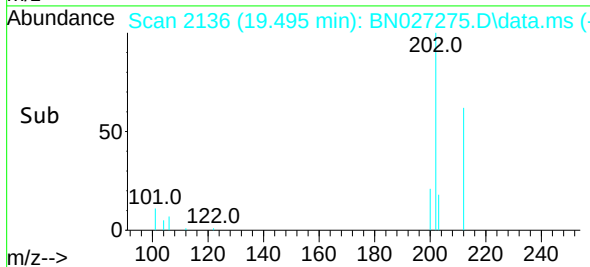
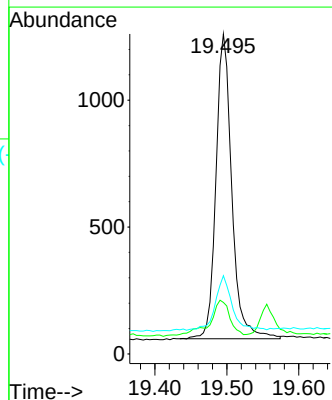
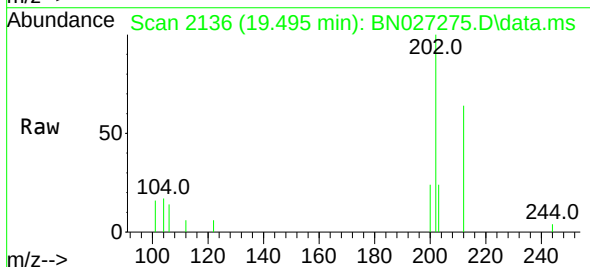
Instrument :
BNA_N
ClientSampleId :
RE132D7-20230822

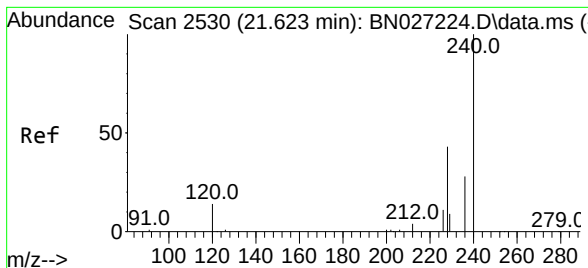
Tgt Ion:212 Resp: 19850
Ion Ratio Lower Upper
212 100
106 15.9 12.1 18.1
104 9.2 6.9 10.3



#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

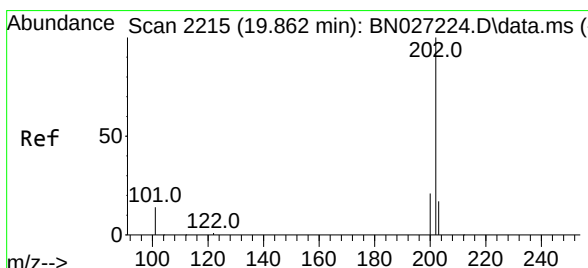
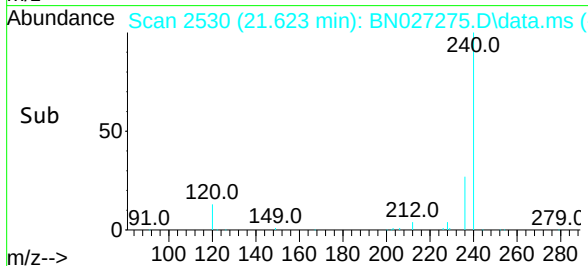
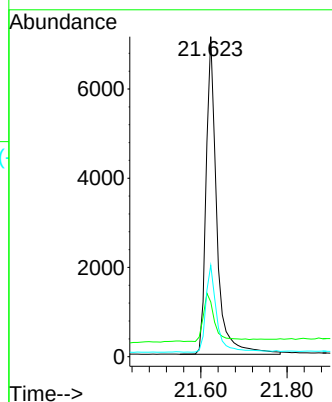
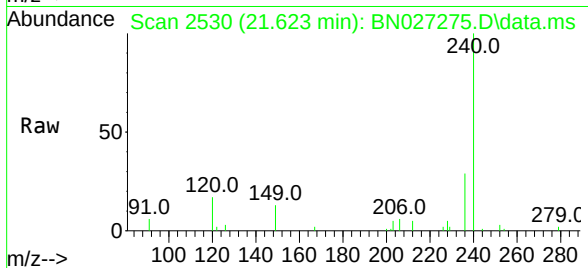
Tgt Ion:240 Resp: 12348

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

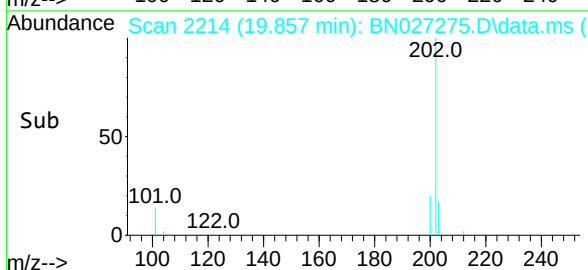
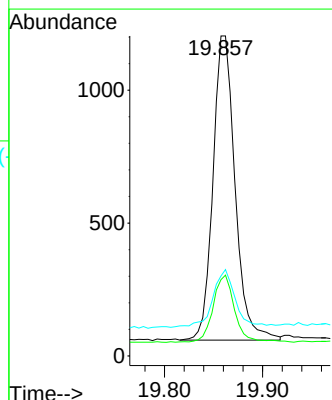
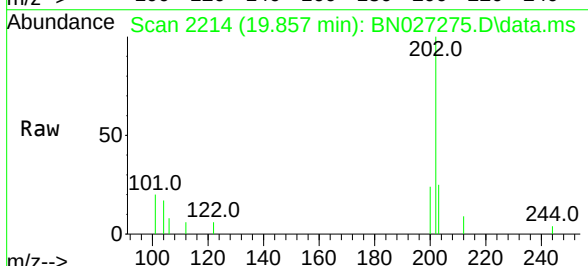
Tgt Ion:202 Resp: 1794

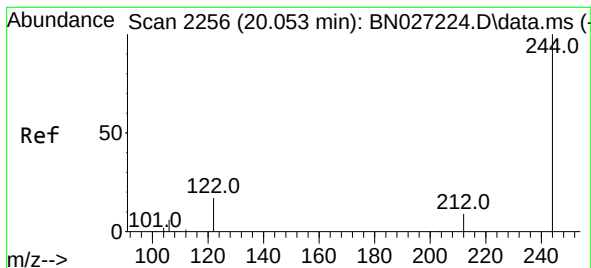
Ion Ratio Lower Upper

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

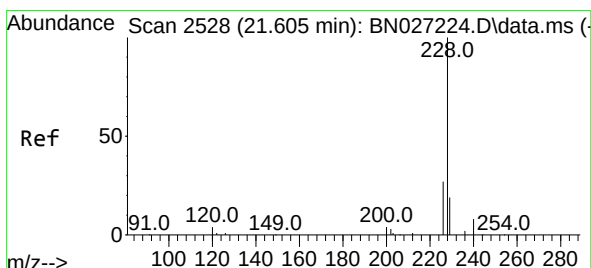
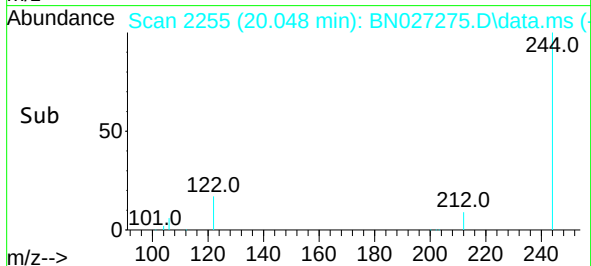
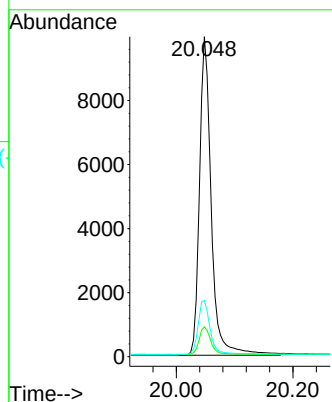
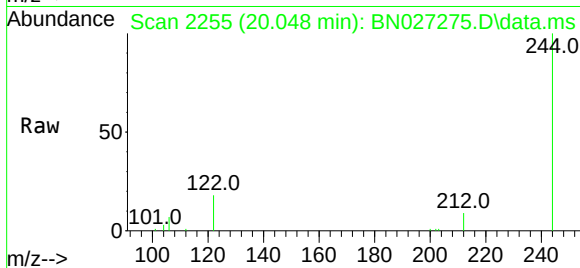
Tgt Ion:244 Resp: 13922

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

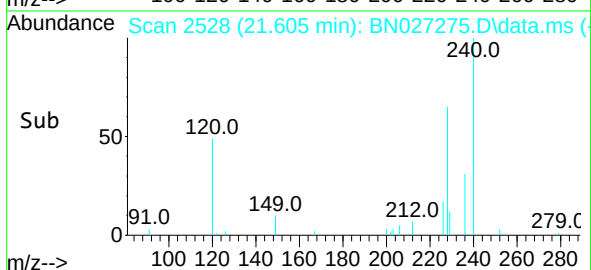
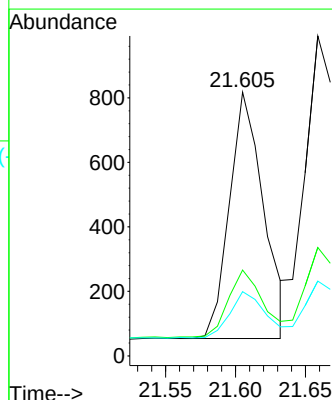
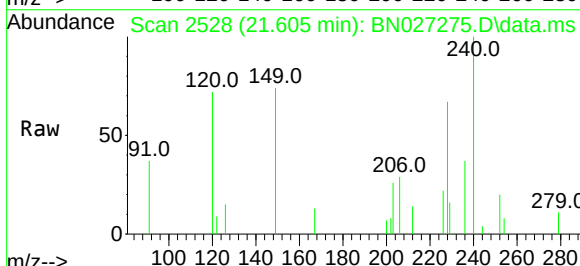
Tgt Ion:228 Resp: 1298

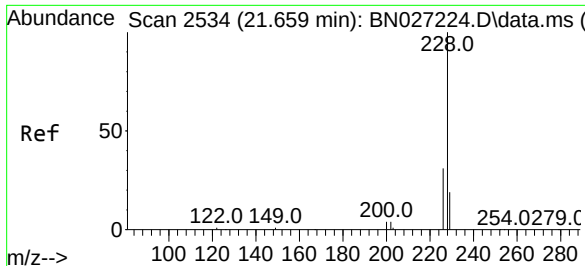
Ion Ratio Lower Upper

228 100

226 32.5 21.9 32.9

229 24.3 15.7 23.5#

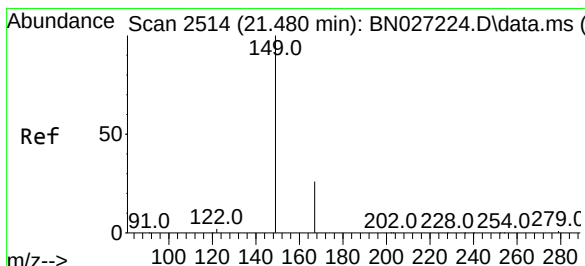
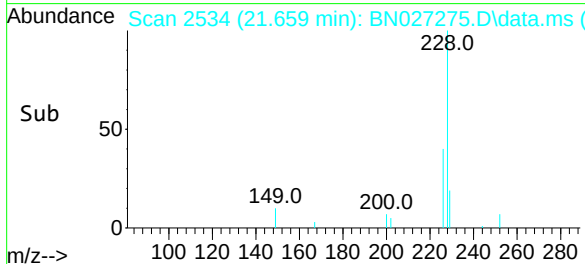
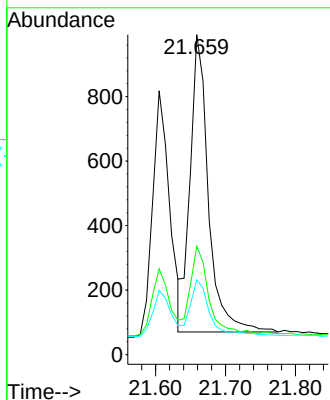
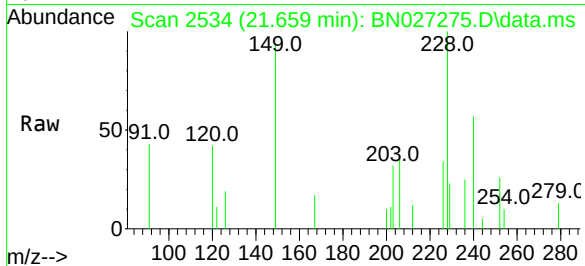




#33
Chrysene
Concen: 0.036 ng
RT: 21.659 min Scan# 2165
Delta R.T. 0.000 min
Lab File: BN027275.D
Acq: 30 Aug 2023 14:51

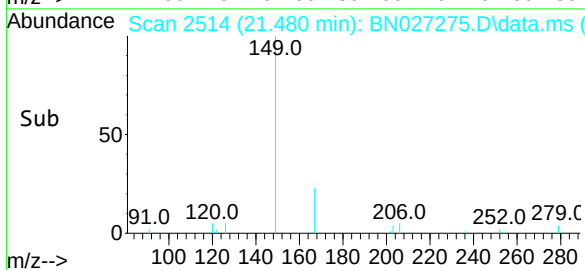
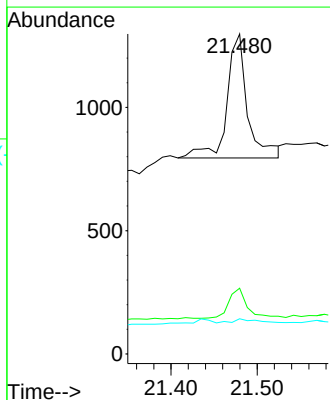
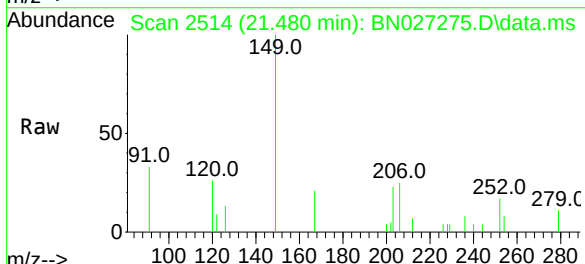
Instrument :
BNA_N
ClientSampleId :
RE132D7-20230822

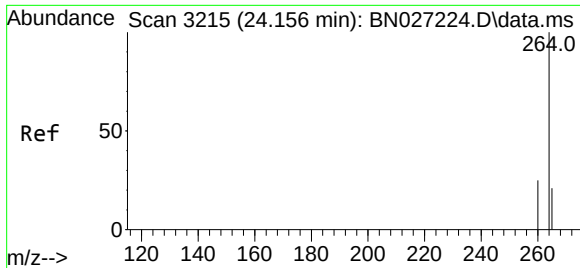
Tgt Ion:228 Resp: 1677
Ion Ratio Lower Upper
228 100
226 33.9 24.3 36.5
229 23.4 15.4 23.2#



#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

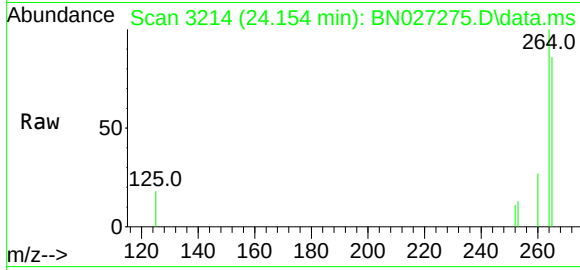
Acq: 30 Aug 2023 14:51

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#

