

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
 Data File : BF134851.D
 Acq On : 18 Aug 2023 20:53
 Operator : CG\JU
 Sample : 04086-21
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB04

Quant Time: Aug 19 01:47:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

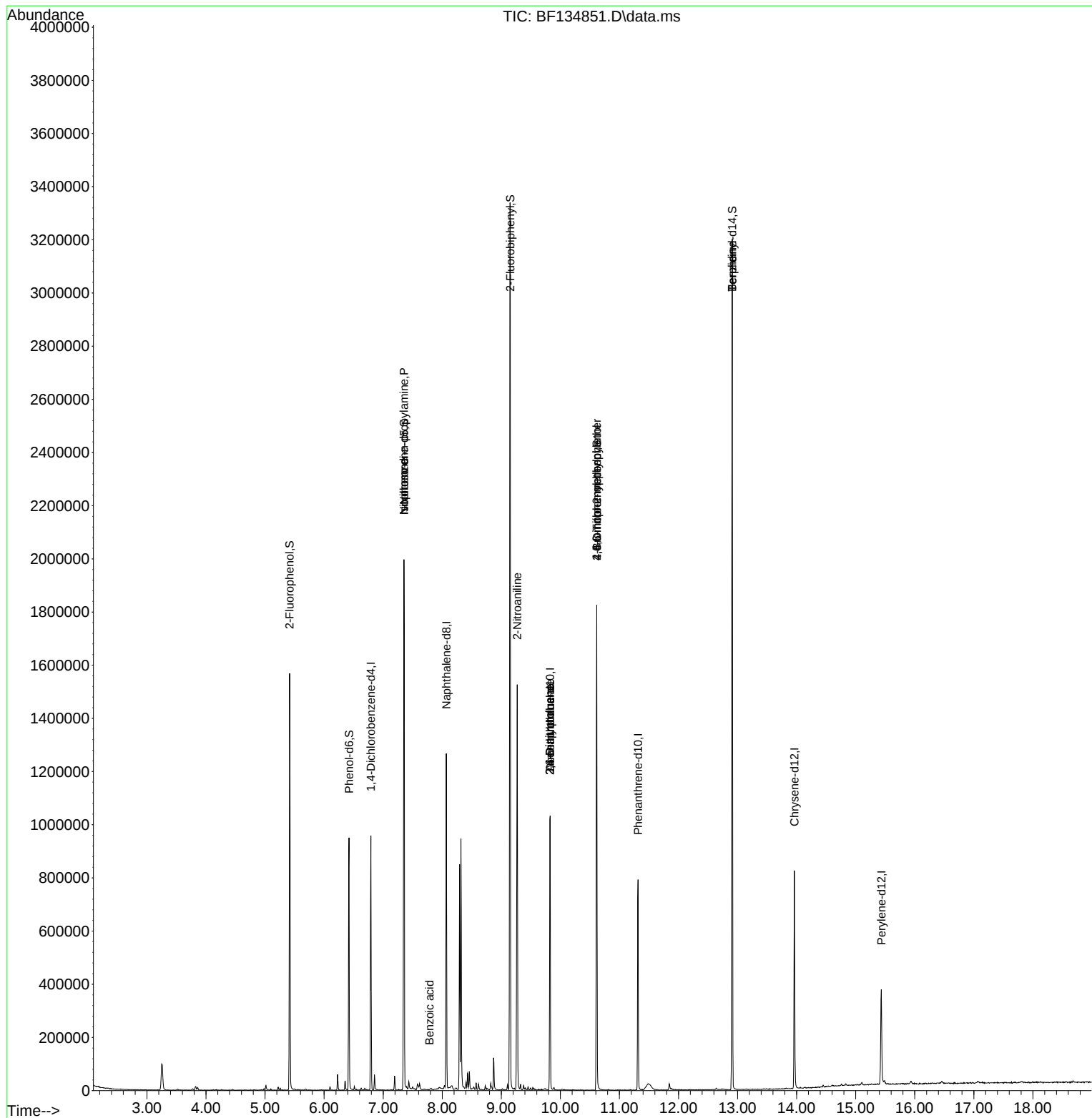
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	130631	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	496679	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	218987	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	301064	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	258147	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	175737	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	403118	46.909	ng	-0.01
7) Phenol-d6	6.422	99	304051	27.678	ng	-0.02
23) Nitrobenzene-d5	7.351	82	666880	83.908	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	218783	98.005	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1122766	85.248	ng	-0.01
79) Terphenyl-d14	12.910	244	1117299	76.299	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.422	77	465	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.351	70	89872	13.664	ng	# 73
25) Isophorone	7.351	82	660272	38.089	ng	# 65
32) Benzoic acid	7.786	122	72	7.879	ng	99
48) 2-Nitroaniline	9.269	65	14383	6.543	ng	# 15
50) Dimethylphthalate	9.827	163	46867	3.140	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	27608	11.054	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	27608	9.881	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	492	9.030	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	14074	4.270	ng	# 1
77) Benzidine	12.910	184	13463	2.402	ng	# 94

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

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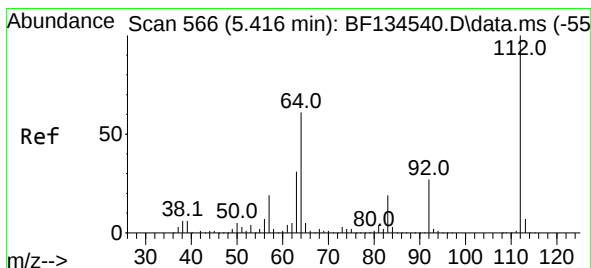
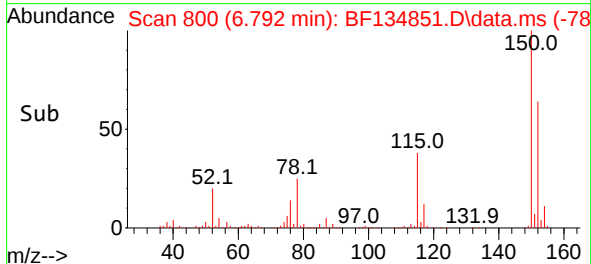
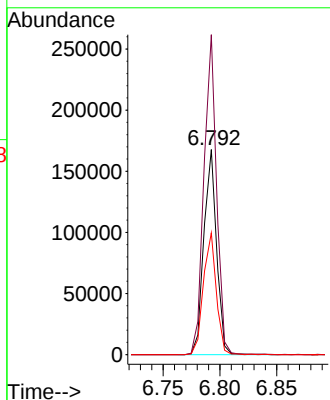
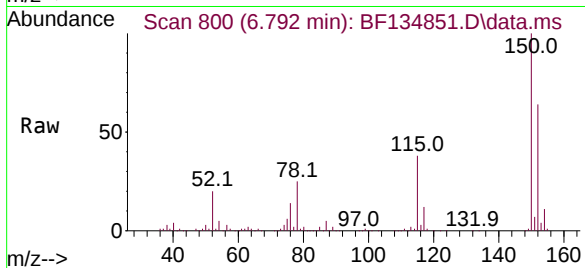




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134851.D
Acq: 18 Aug 2023 20:53

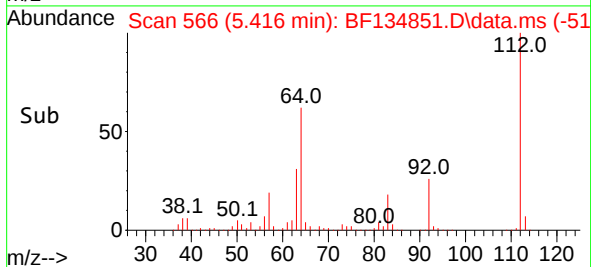
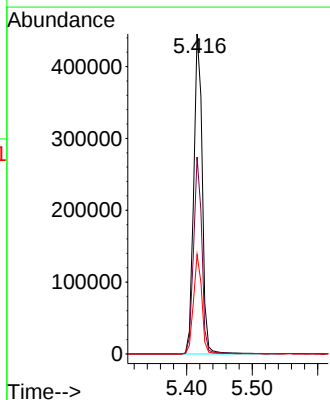
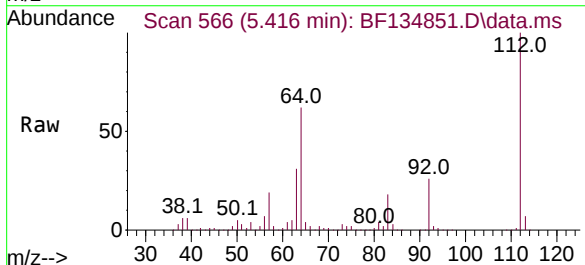
Instrument :
BNA_F
ClientSampleId :
FB04

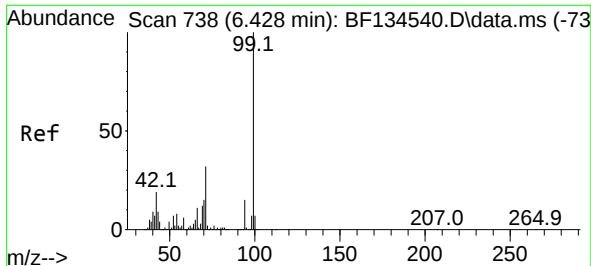
Tgt Ion:152 Resp: 130631
Ion Ratio Lower Upper
152 100
150 156.1 128.3 192.5
115 59.3 52.4 78.6



#5
2-Fluorophenol
Concen: 46.909 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF134851.D
Acq: 18 Aug 2023 20:53

Tgt Ion:112 Resp: 403118
Ion Ratio Lower Upper
112 100
64 61.5 44.9 67.3
63 31.1 25.4 38.0





#7
 Phenol-d6
 Concen: 27.678 ng
 RT: 6.422 min Scan# 738
 Delta R.T. -0.018 min
 Lab File: BF134851.D
 Acq: 18 Aug 2023 20:53

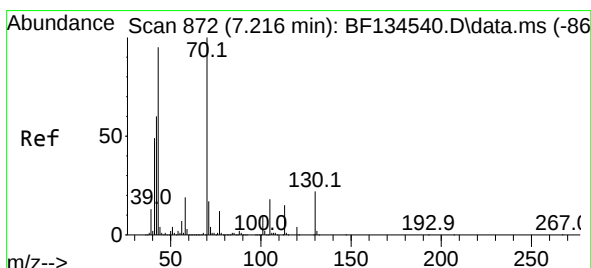
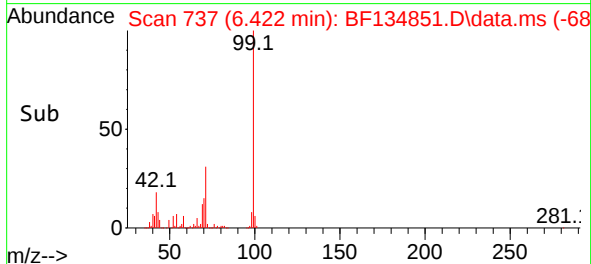
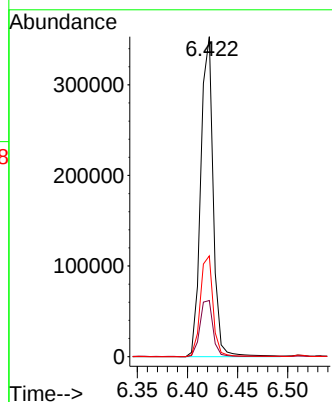
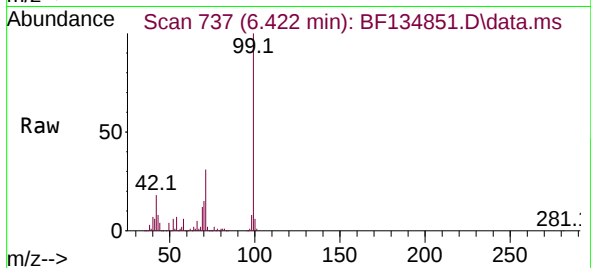
Instrument :

BNA_F

ClientSampleId :

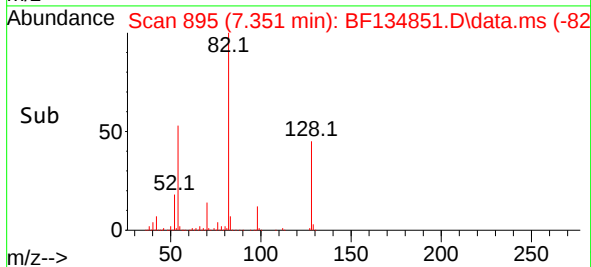
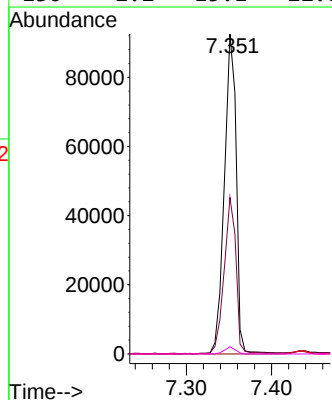
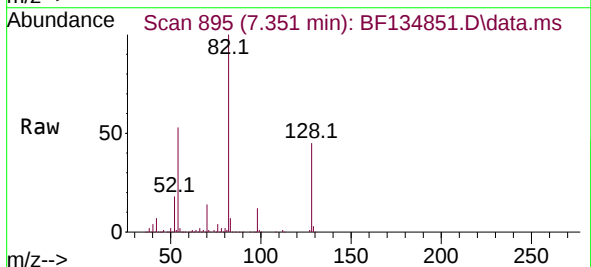
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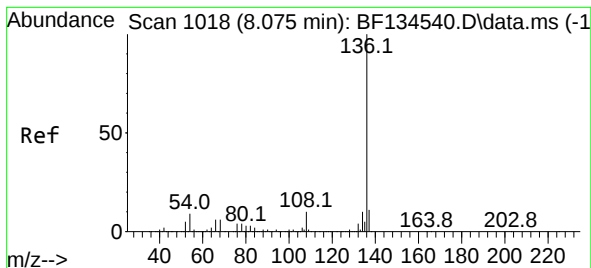
Tgt Ion: 99 Resp: 304051
 Ion Ratio Lower Upper
 99 100
 42 17.5 18.7 28.1#
 71 31.5 36.4 54.6#



#19
 n-Nitroso-di-n-propylamine
 Concen: 13.664 ng
 RT: 7.351 min Scan# 895
 Delta R.T. 0.129 min
 Lab File: BF134851.D
 Acq: 18 Aug 2023 20:53

Tgt Ion: 70 Resp: 89872
 Ion Ratio Lower Upper
 70 100
 42 48.9 54.7 82.1#
 101 0.0 8.2 12.2#
 130 2.2 15.1 22.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 10

Delta R.T. -0.012 min

Lab File: BF134851.D

Acq: 18 Aug 2023 20:53

Instrument :

BNA_F

ClientSampleId :

FB04

Tgt Ion:136 Resp: 496679

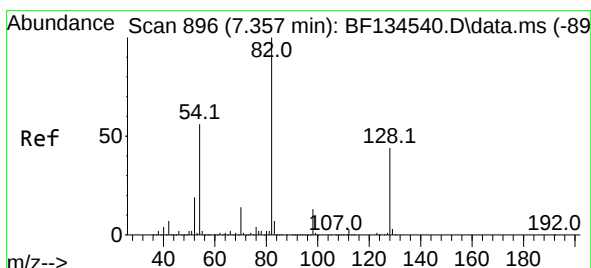
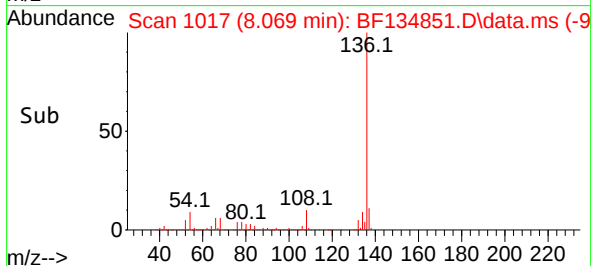
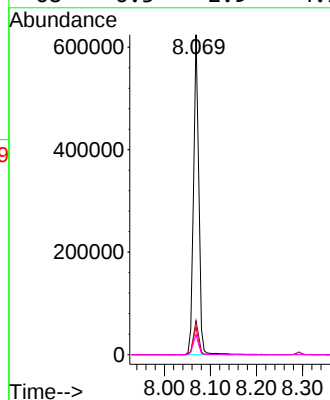
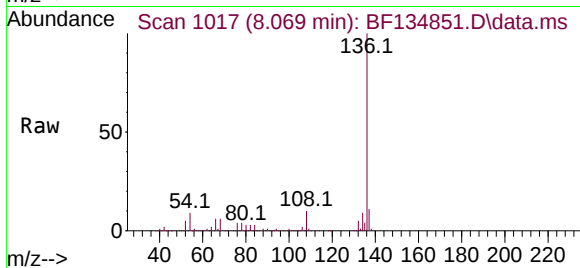
Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 8.6 5.2 7.8#

68 6.3 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 83.908 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF134851.D

Acq: 18 Aug 2023 20:53

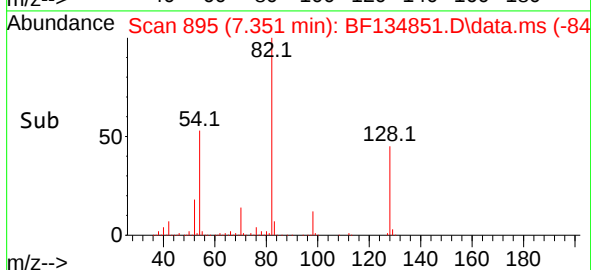
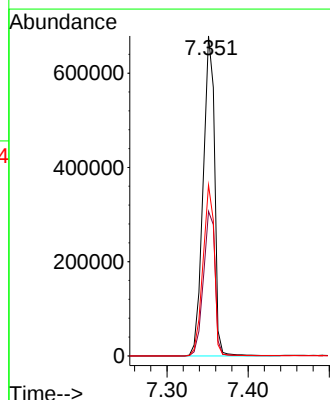
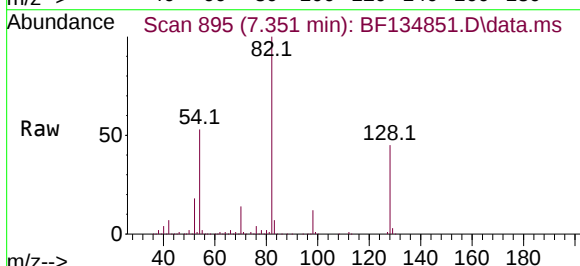
Tgt Ion: 82 Resp: 666880

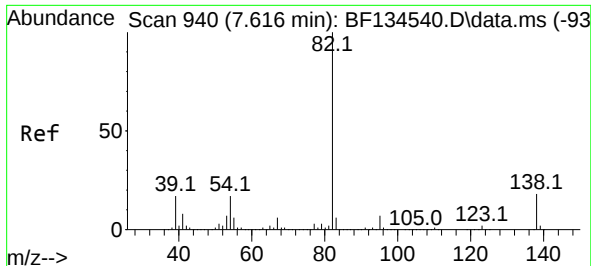
Ion Ratio Lower Upper

82 100

128 45.2 34.3 51.5

54 53.4 43.8 65.6

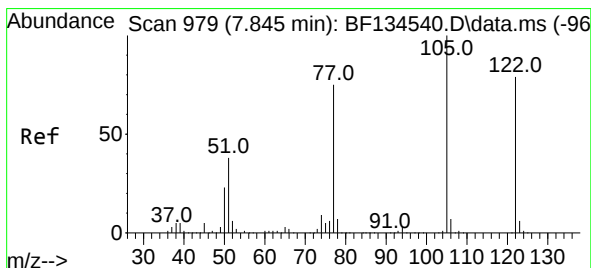
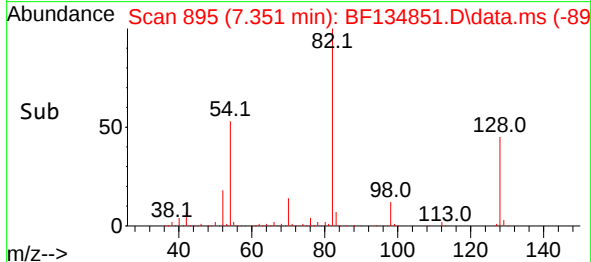
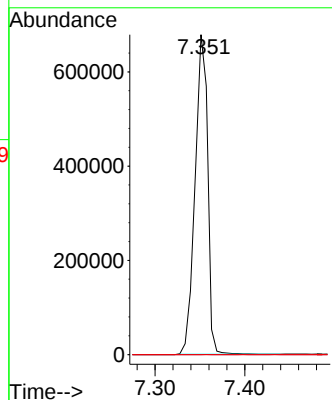
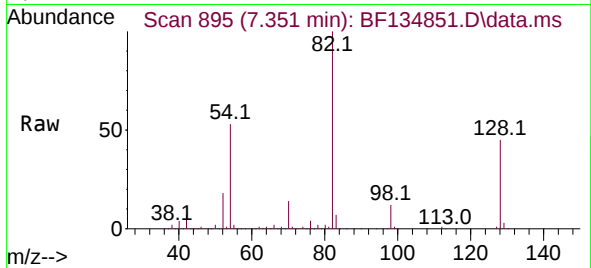




#25
Isophorone
Concen: 38.089 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF134851.D
Acq: 18 Aug 2023 20:53

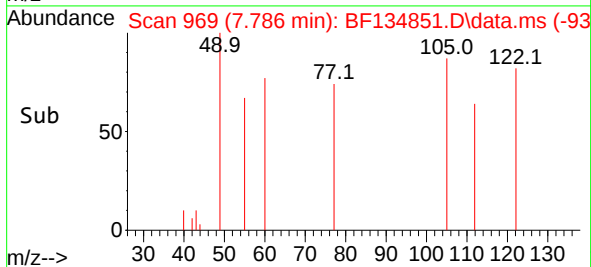
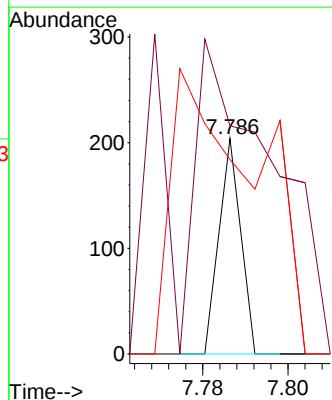
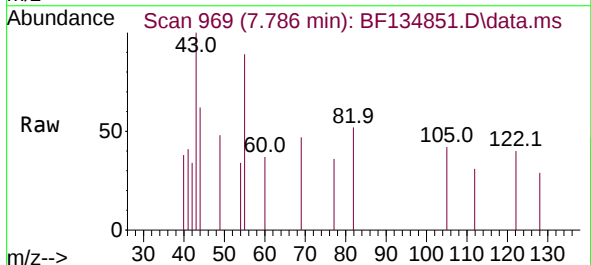
Instrument :
BNA_F
ClientSampleId :
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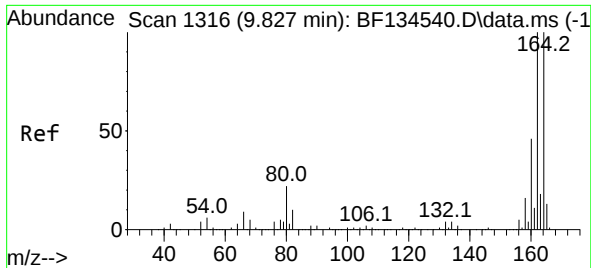
Tgt Ion: 82 Resp: 660272
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.879 ng
RT: 7.786 min Scan# 969
Delta R.T. -0.077 min
Lab File: BF134851.D
Acq: 18 Aug 2023 20:53

Tgt Ion: 122 Resp: 72
Ion Ratio Lower Upper
122 100
105 105.9 87.5 127.5
77 90.2 71.4 111.4

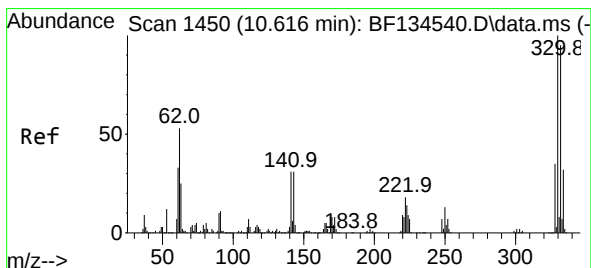
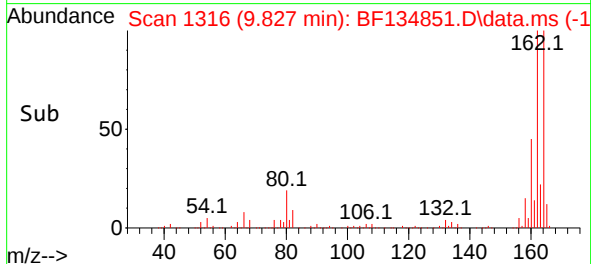
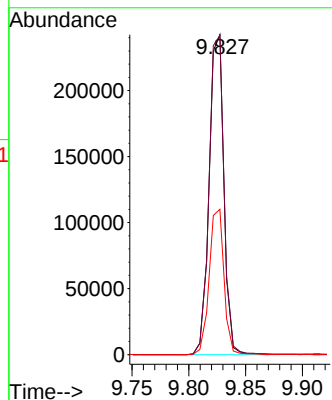
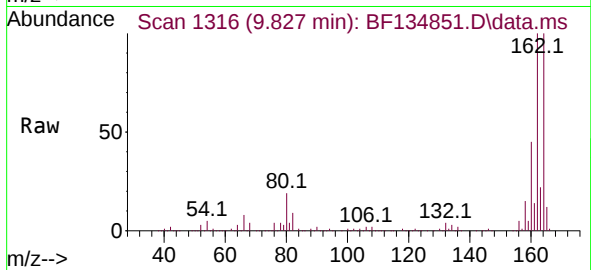




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134851.D
Acq: 18 Aug 2023 20:53

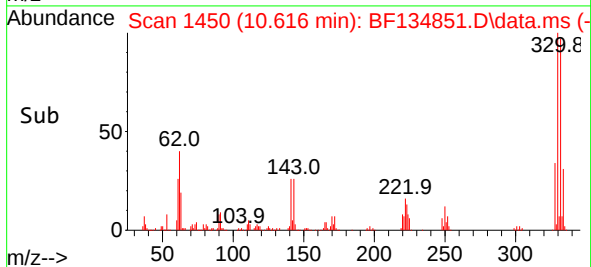
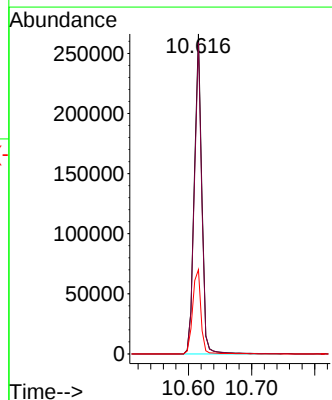
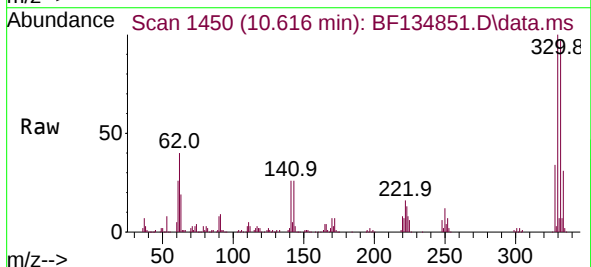
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BNA_F
ClientSampleId :
FB04

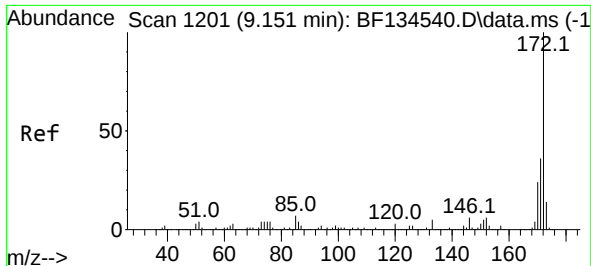
Tgt Ion:164 Resp: 218987
Ion Ratio Lower Upper
164 100
162 99.8 82.6 123.8
160 45.4 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 98.005 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134851.D
Acq: 18 Aug 2023 20:53

Tgt Ion:330 Resp: 218783
Ion Ratio Lower Upper
330 100
332 96.5 78.8 118.2
141 29.2 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 85.248 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134851.D

Acq: 18 Aug 2023 20:53

Instrument :

BNA_F

ClientSampleId :

FB04

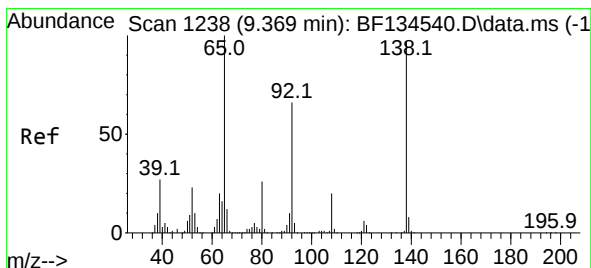
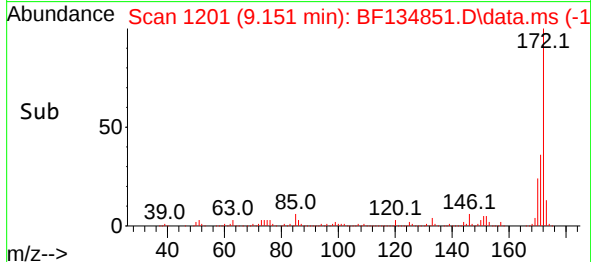
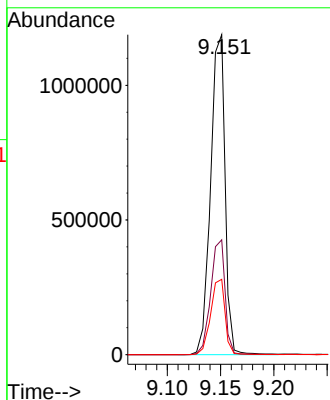
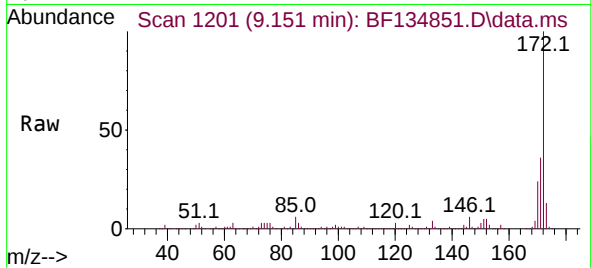
Tgt Ion:172 Resp: 1122766

Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.5 18.7 28.1



#48

2-Nitroaniline

Concen: 6.543 ng

RT: 9.269 min Scan# 1221

Delta R.T. -0.112 min

Lab File: BF134851.D

Acq: 18 Aug 2023 20:53

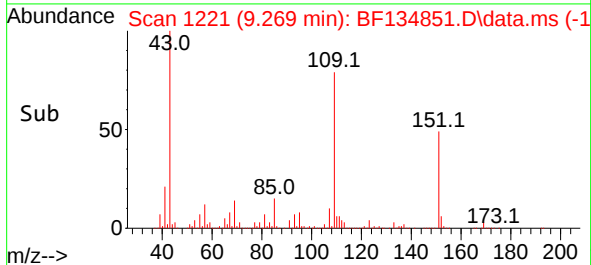
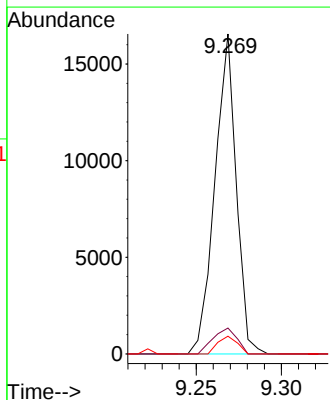
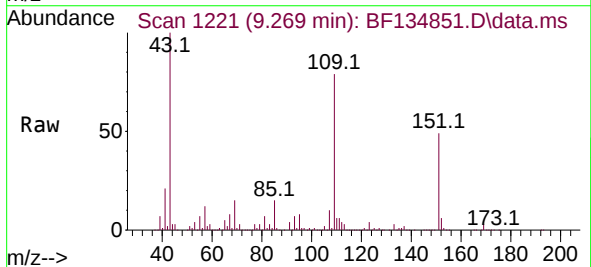
Tgt Ion: 65 Resp: 14383

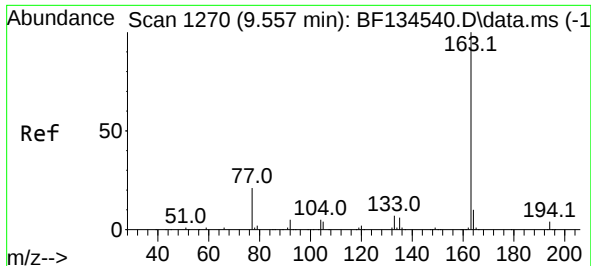
Ion Ratio Lower Upper

65 100

92 8.1 50.7 76.1#

138 5.5 78.2 117.4#

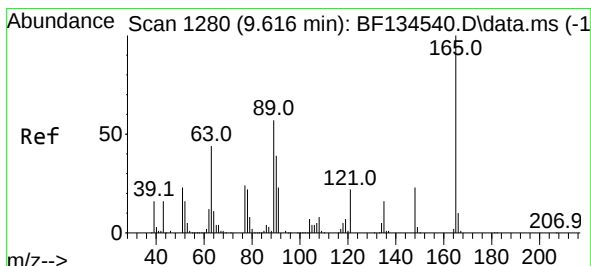
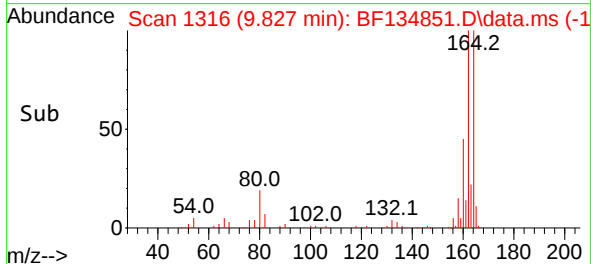
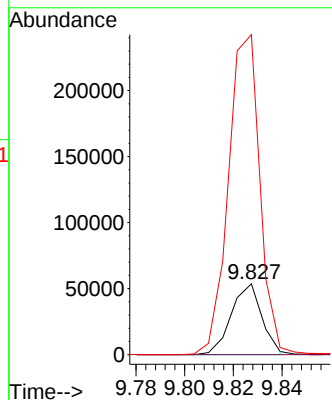
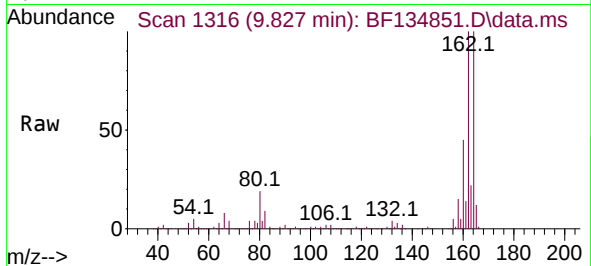




#50
Dimethylphthalate
Concen: 3.140 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF134851.D
Acq: 18 Aug 2023 20:53

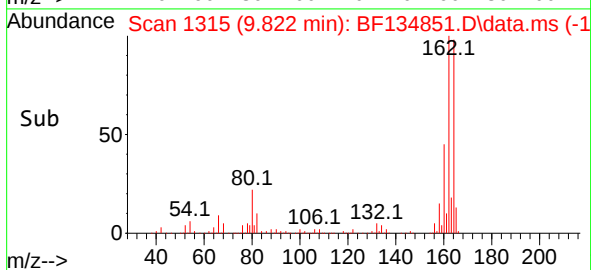
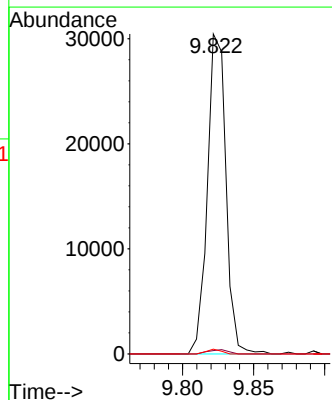
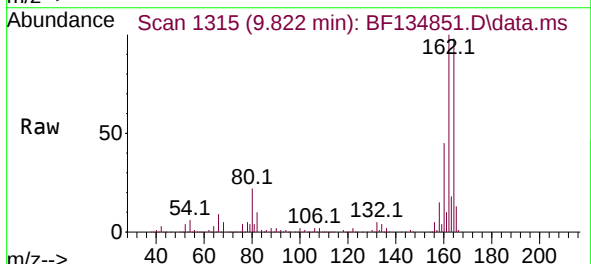
Instrument :
BNA_F
ClientSampleId :
FB04

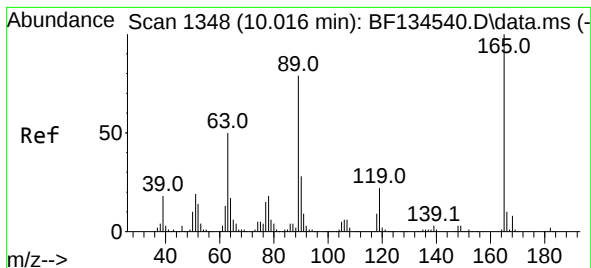
Tgt Ion:163 Resp: 46867
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 451.5 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.054 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.194 min
Lab File: BF134851.D
Acq: 18 Aug 2023 20:53

Tgt Ion:165 Resp: 27608
Ion Ratio Lower Upper
165 100
63 1.0 57.8 86.6#
89 1.5 51.8 77.8#

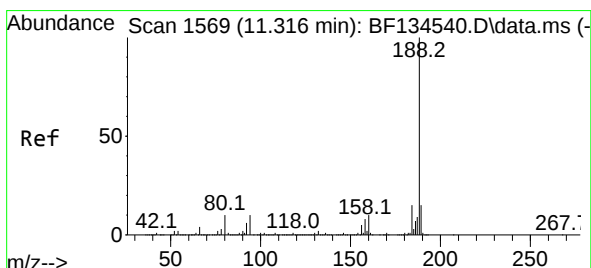
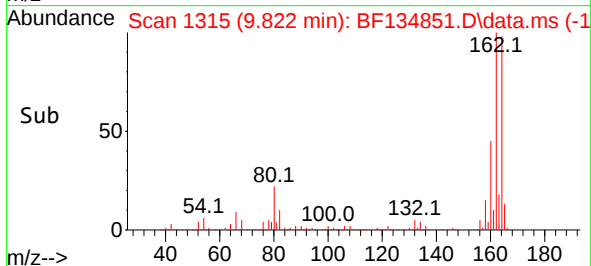
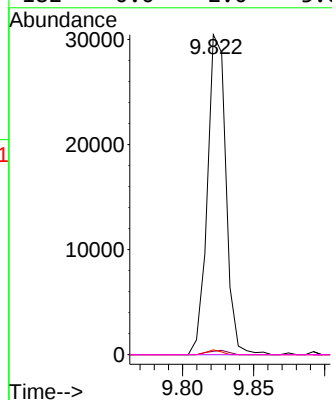
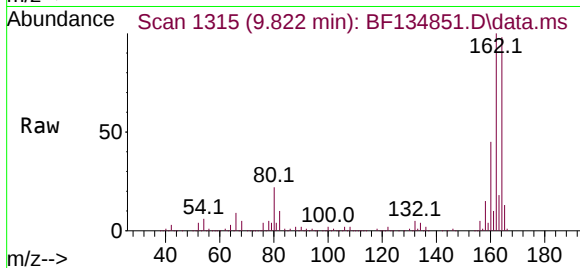




#57
2,4-Dinitrotoluene
Concen: 9.881 ng
RT: 9.822 min Scan# 1348
Delta R.T. -0.206 min
Lab File: BF134851.D
Acq: 18 Aug 2023 20:53

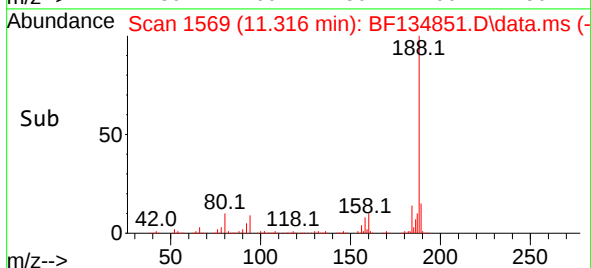
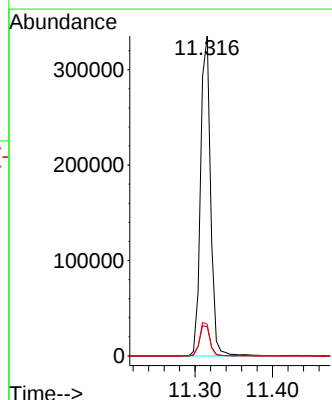
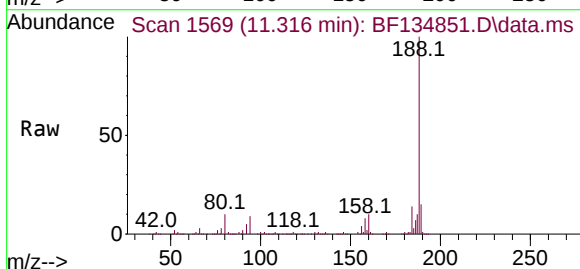
Instrument :
BNA_F
ClientSampleId :
FB04

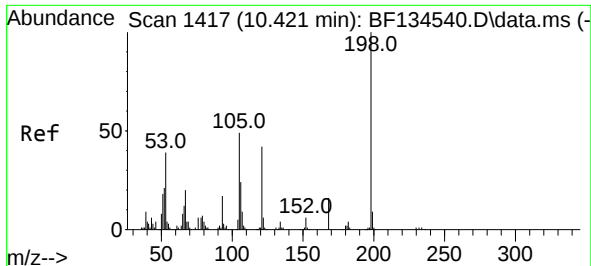
Tgt Ion:165 Resp: 27608
Ion Ratio Lower Upper
165 100
63 1.0 48.9 73.3#
89 1.5 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134851.D
Acq: 18 Aug 2023 20:53

Tgt Ion:188 Resp: 301064
Ion Ratio Lower Upper
188 100
94 9.1 5.1 7.7#
80 9.9 6.6 9.8#





#65

4,6-Dinitro-2-methylphenol

Concen: 9.030 ng

RT: 10.616 min Scan# 1417

Delta R.T. 0.176 min

Lab File: BF134851.D

Acq: 18 Aug 2023 20:53

Instrument :

BNA_F

ClientSampleId :

FB04

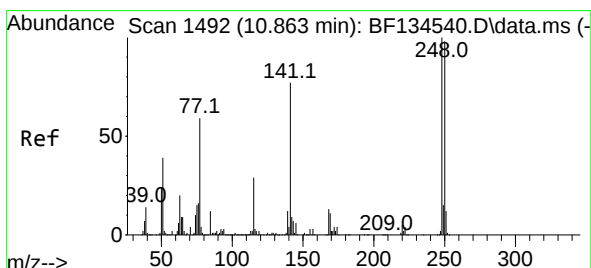
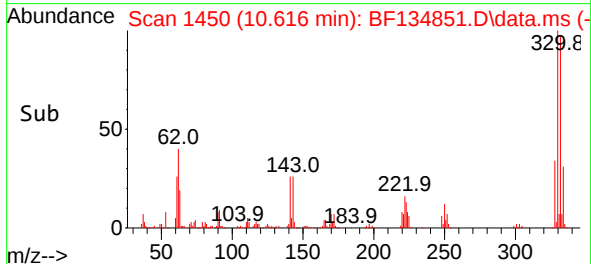
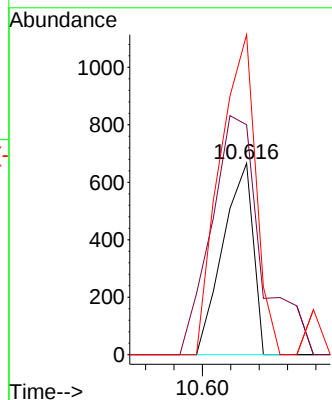
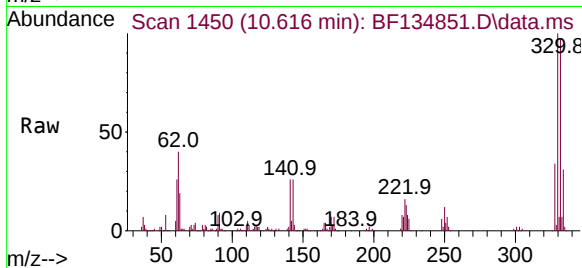
Tgt Ion:198 Resp: 492

Ion Ratio Lower Upper

198 100

51 120.1 38.6 78.6#

105 167.3 27.9 67.9#



#67

4-Bromophenyl-phenylether

Concen: 4.270 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF134851.D

Acq: 18 Aug 2023 20:53

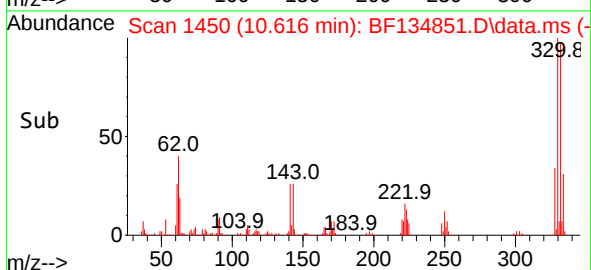
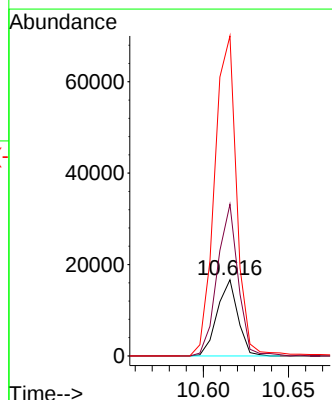
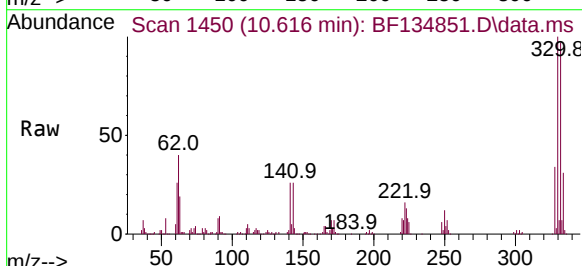
Tgt Ion:248 Resp: 14074

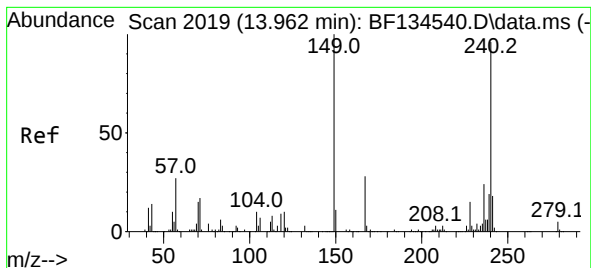
Ion Ratio Lower Upper

248 100

250 199.1 79.6 119.4#

141 420.2 59.6 89.4#

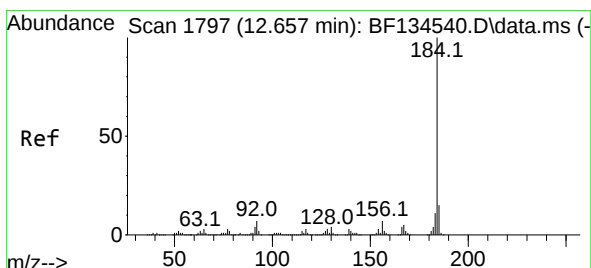
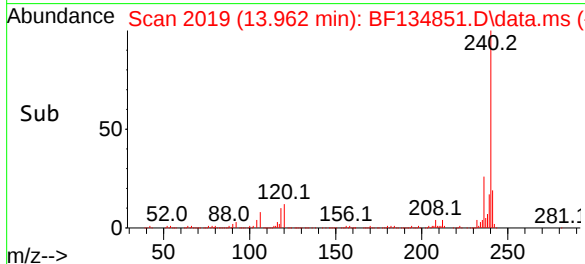
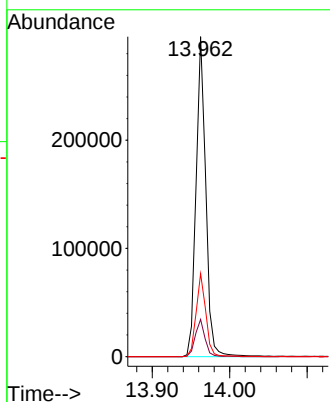
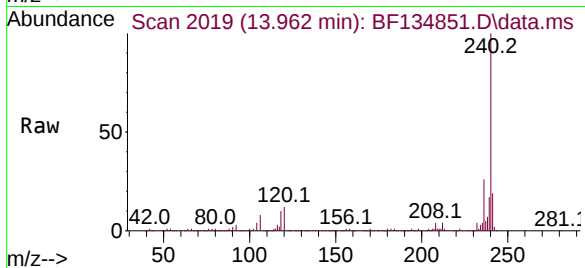




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF134851.D
Acq: 18 Aug 2023 20:53

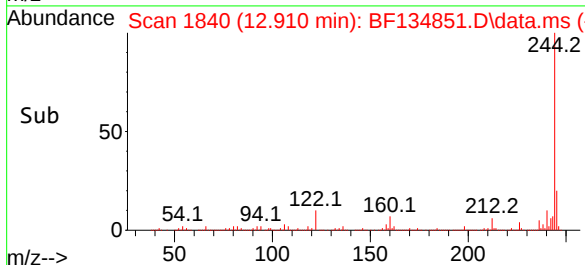
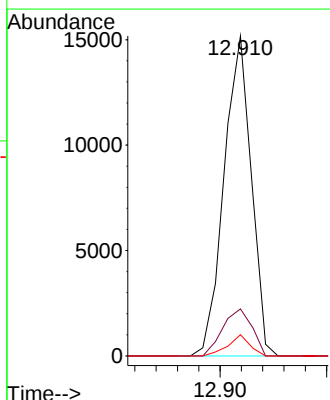
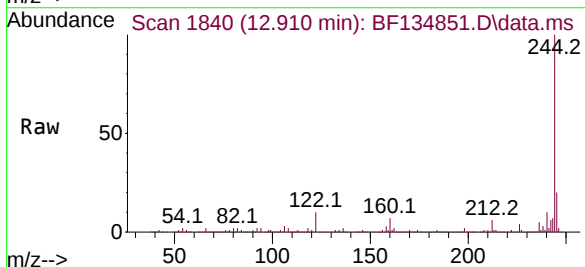
Instrument :
BNA_F
ClientSampleId :
FB04

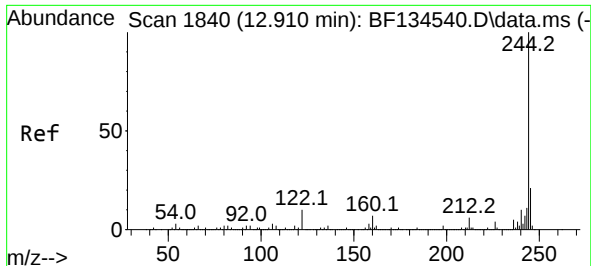
Tgt Ion:240 Resp: 258147
Ion Ratio Lower Upper
240 100
120 11.6 6.6 10.0#
236 25.9 20.2 30.2



#77
Benzidine
Concen: 2.402 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.247 min
Lab File: BF134851.D
Acq: 18 Aug 2023 20:53

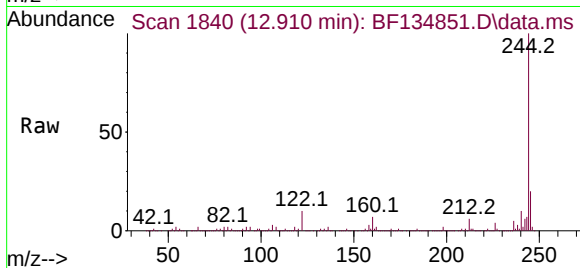
Tgt Ion:184 Resp: 13463
Ion Ratio Lower Upper
184 100
185 14.7 11.2 16.8
183 6.6 8.6 13.0#



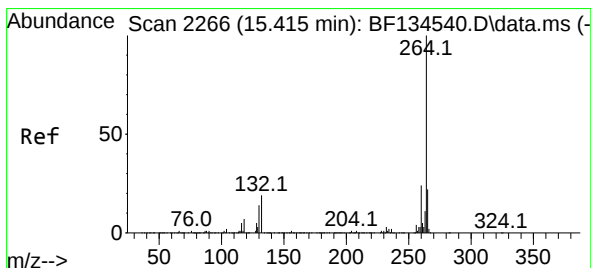
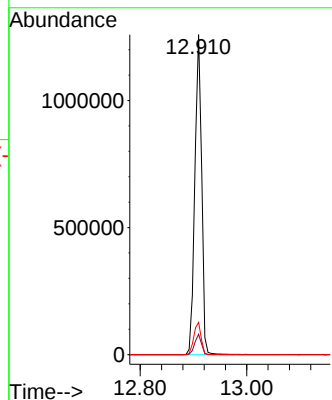
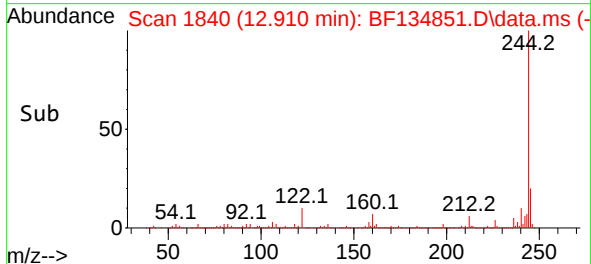


#79
 Terphenyl-d14
 Concen: 76.299 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF134851.D
 Acq: 18 Aug 2023 20:53

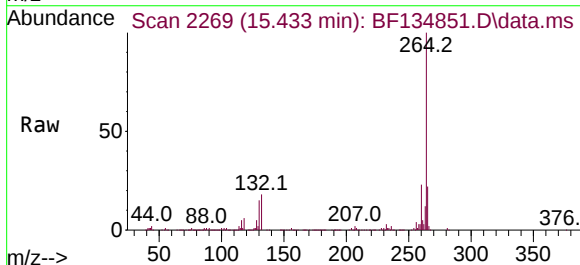
Instrument :
 BNA_F
 ClientSampleId :
 FB04



Tgt Ion:244 Resp: 1117299
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 10.1 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.433 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF134851.D
 Acq: 18 Aug 2023 20:53



Tgt Ion:264 Resp: 175737
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.4 27.6
 265 22.0 15.8 23.8

