

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135849.D
 Acq On : 18 Oct 2023 16:07
 Operator : CG\JU
 Sample : 04767-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 01:19:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

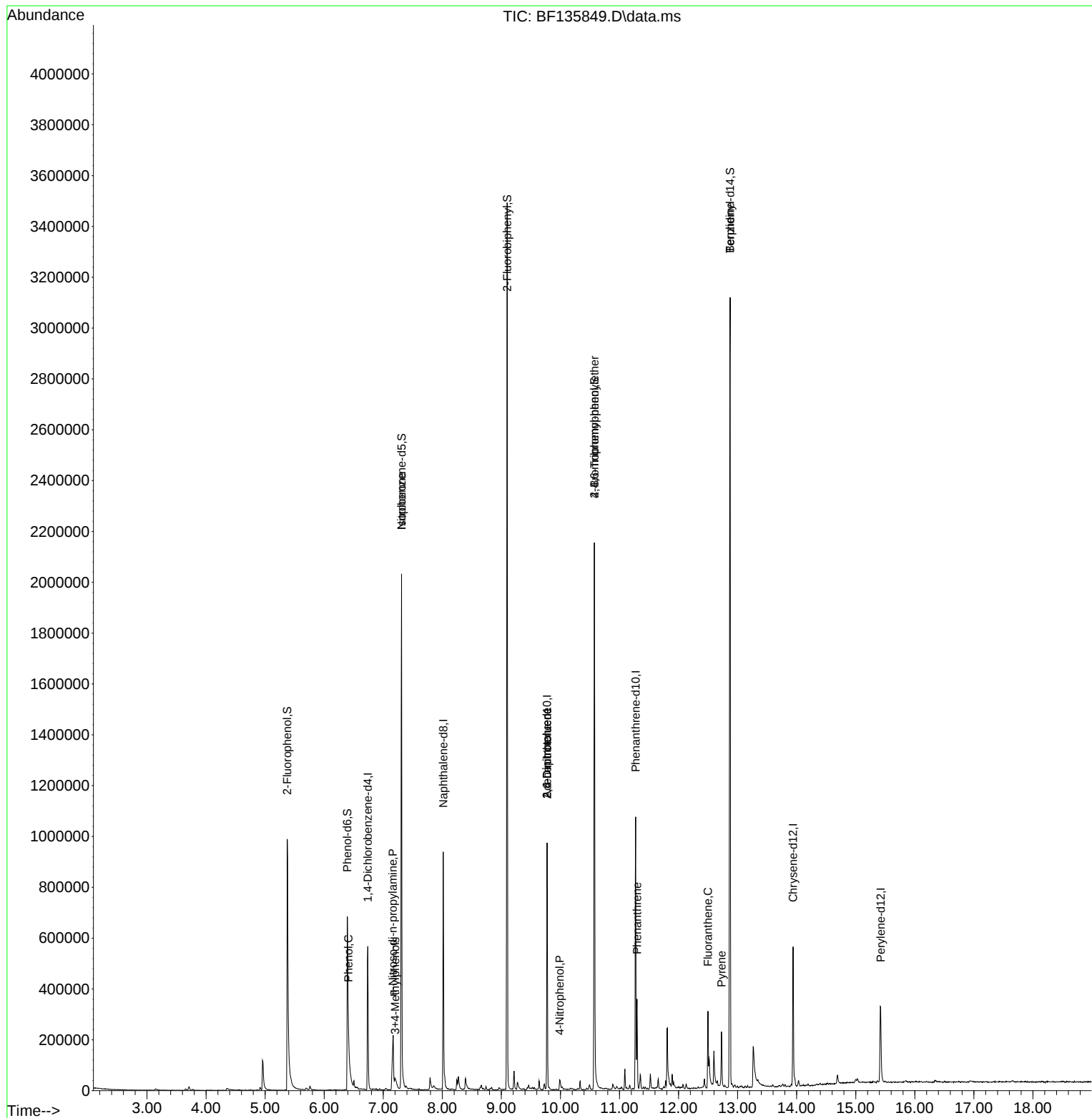
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	91285	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	377669	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	180203	20.000	ng	-0.01
64) Phenanthrene-d10	11.274	188	377601	20.000	ng	0.00
76) Chrysene-d12	13.939	240	182799	20.000	ng	-0.01
86) Perylene-d12	15.421	264	168263	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	394703	69.517	ng	0.00
7) Phenol-d6	6.392	99	294884	41.625	ng	0.00
23) Nitrobenzene-d5	7.310	82	579186	84.346	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	265857	153.746	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1013817	87.963	ng	0.00
79) Terphenyl-d14	12.874	244	1190031	120.560	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.410	94	41804	5.632	ng	# 75
19) n-Nitroso-di-n-propyla...	7.163	70	8882	2.028	ng	# 45
20) 3+4-Methylphenols	7.204	107	15989	2.420	ng	# 89
25) Isophorone	7.310	82	579186	44.709	ng	# 66
51) 2,6-Dinitrotoluene	9.775	165	23643	9.038	ng	# 17
56) 4-Nitrophenol	9.986	139	5793	9.164	ng	# 7
57) 2,4-Dinitrotoluene	9.775	165	23643	7.104	ng	# 24
67) 4-Bromophenyl-phenylether	10.575	248	16441	4.337	ng	# 1
71) Phenanthrene	11.298	178	127833	7.067	ng	97
75) Fluoranthene	12.498	202	116789	5.817	ng	96
77) Benzidine	12.874	184	14997	3.760	ng	# 95
78) Pyrene	12.727	202	89706	6.175	ng	98

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

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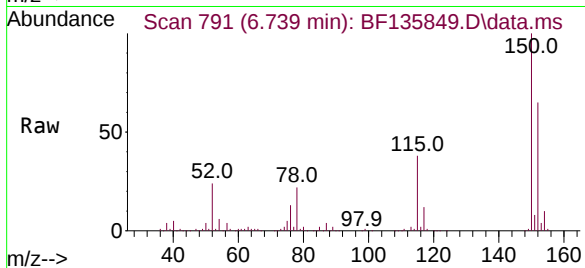
Quant Time: Oct 19 01:19:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
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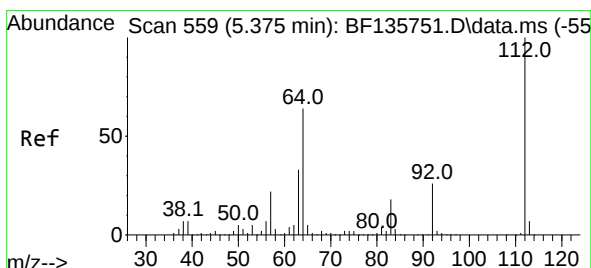
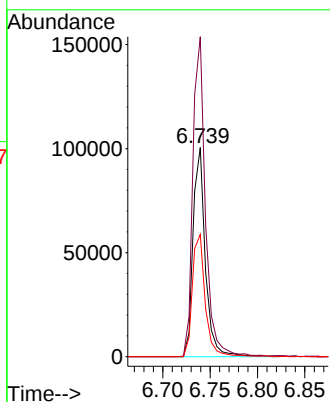
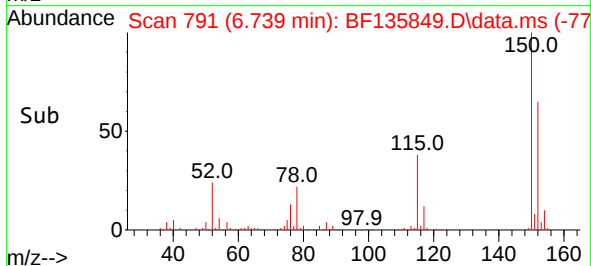


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

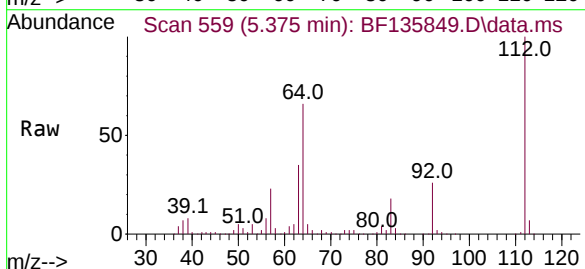
Instrument :
BNA_F
ClientSampleId :



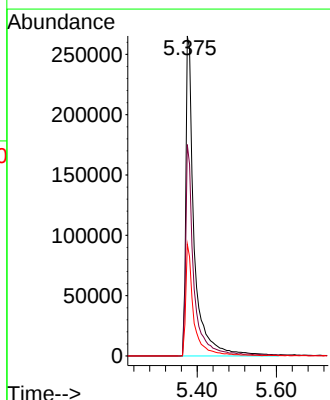
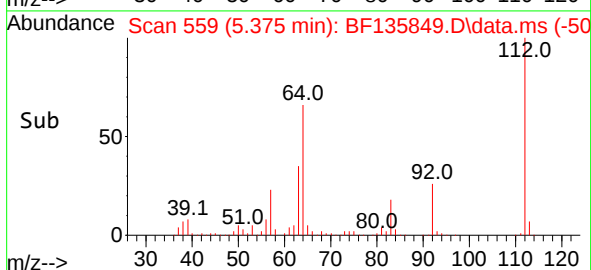
Tgt Ion:152 Resp: 91285
Ion Ratio Lower Upper
152 100
150 153.1 124.5 186.7
115 58.4 49.0 73.4

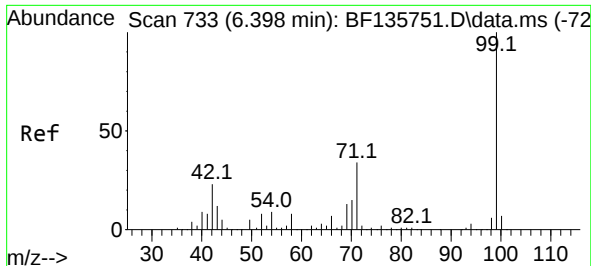


#5
2-Fluorophenol
Concen: 69.517 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07



Tgt Ion:112 Resp: 394703
Ion Ratio Lower Upper
112 100
64 66.0 51.2 76.8
63 34.9 26.1 39.1

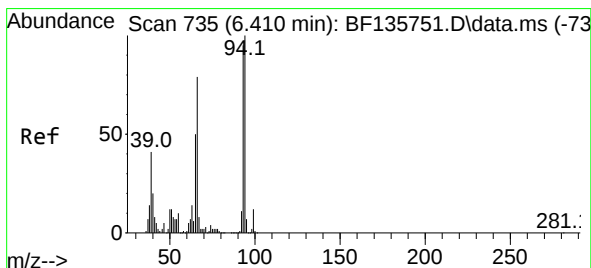
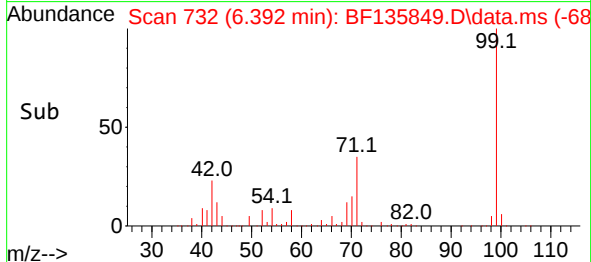
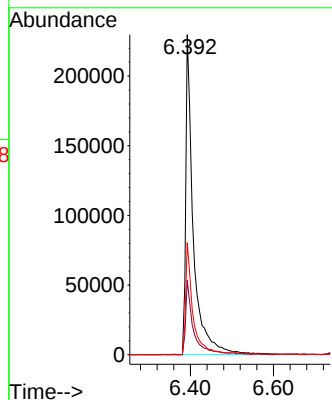
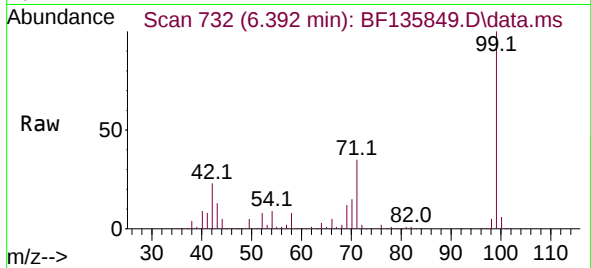




#7
Phenol-d6
Concen: 41.625 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

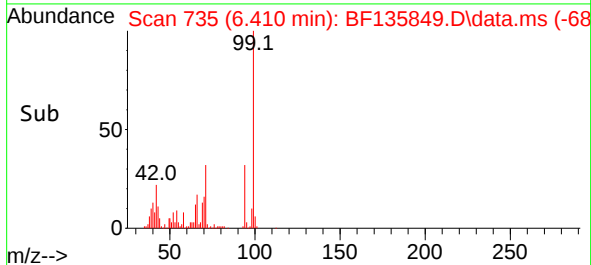
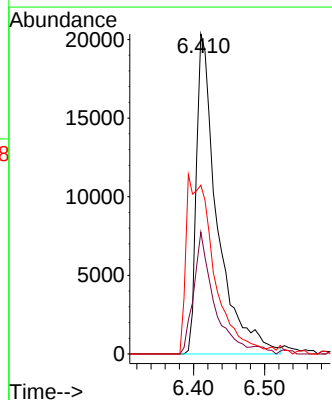
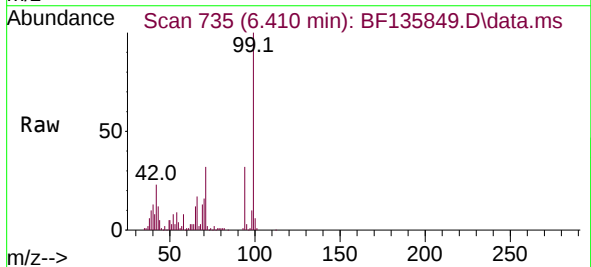
Instrument :
BNA_F
ClientSampleId :

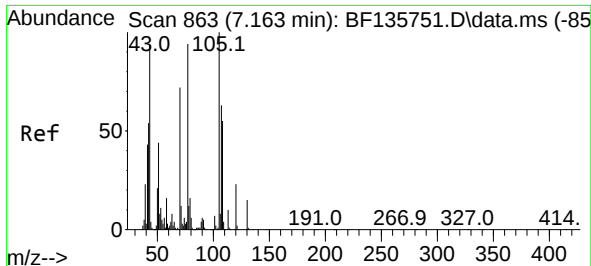
Tgt Ion: 99 Resp: 294884
Ion Ratio Lower Upper
99 100
42 23.2 18.4 27.6
71 35.0 27.2 40.8



#10
Phenol
Concen: 5.632 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

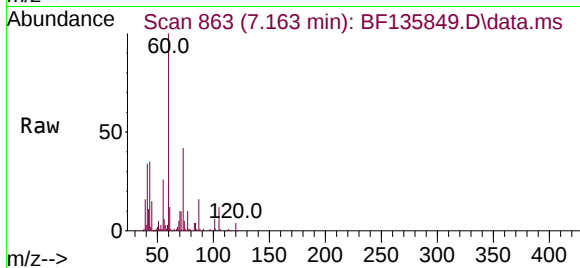
Tgt Ion: 94 Resp: 41804
Ion Ratio Lower Upper
94 100
65 38.1 30.3 70.3
66 52.7 59.1 99.1#



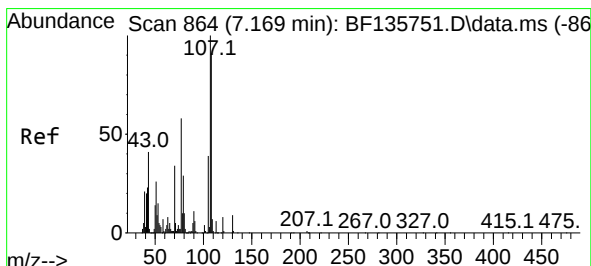
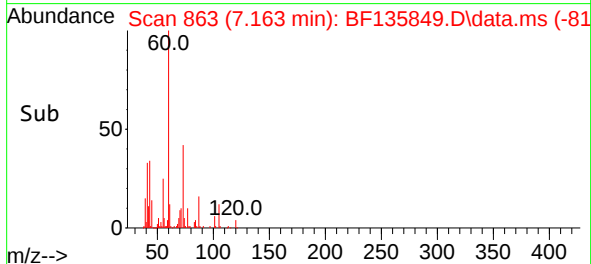
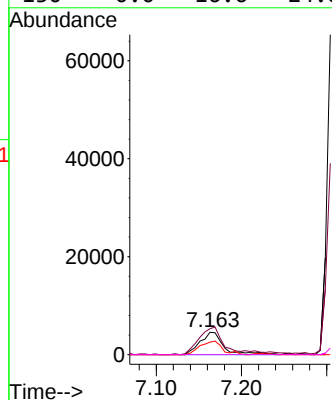


#19
n-Nitroso-di-n-propylamine
Concen: 2.028 ng
RT: 7.163 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Instrument :
BNA_F
ClientSampleId :

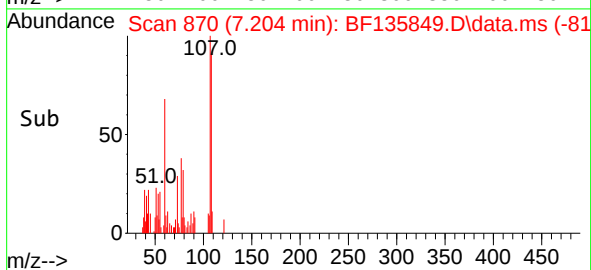
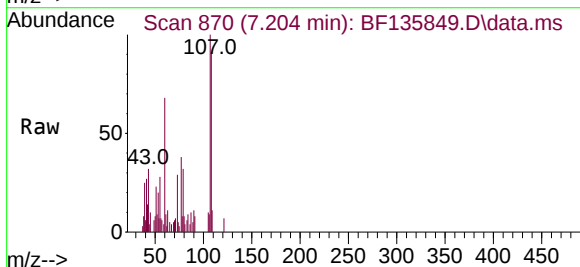
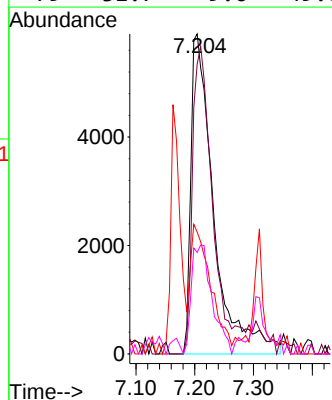


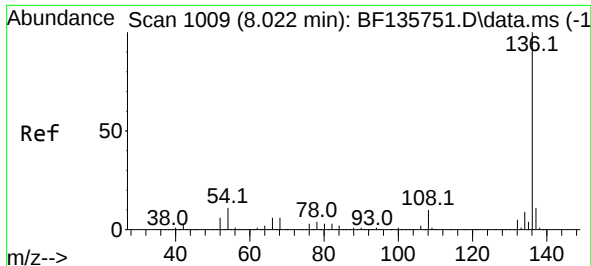
Tgt Ion:	70	Resp:	8882
Ion	Ratio	Lower	Upper
70	100		
42	115.7	59.8	89.6#
101	56.3	7.4	11.2#
130	0.0	16.6	24.8#



#20
3+4-Methylphenols
Concen: 2.420 ng
RT: 7.204 min Scan# 870
Delta R.T. 0.035 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:	107	Resp:	15989
Ion	Ratio	Lower	Upper
107	100		
108	90.5	71.1	111.1
77	38.1	42.0	82.0#
79	31.7	9.6	49.6

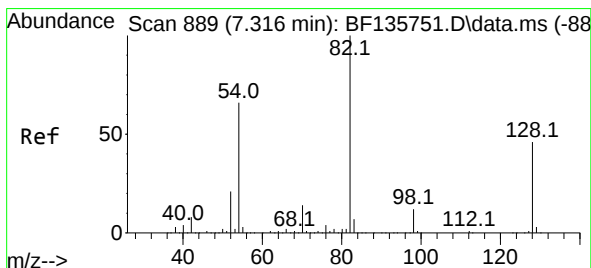
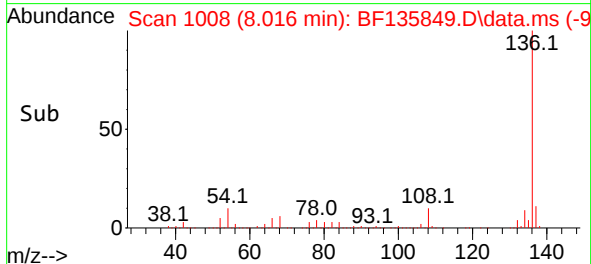
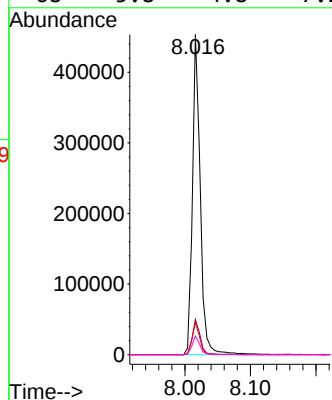
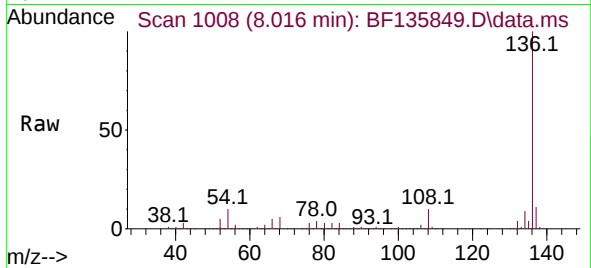




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

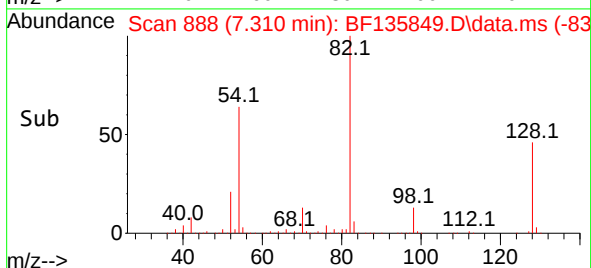
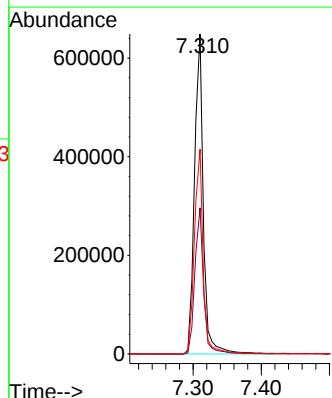
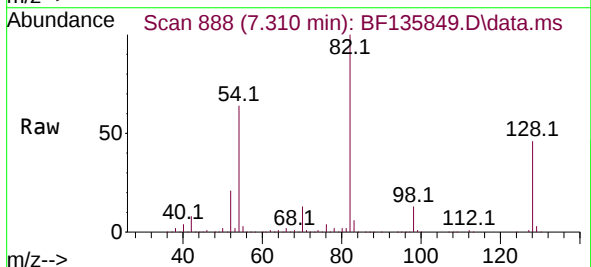
Instrument :
BNA_F
ClientSampleId :

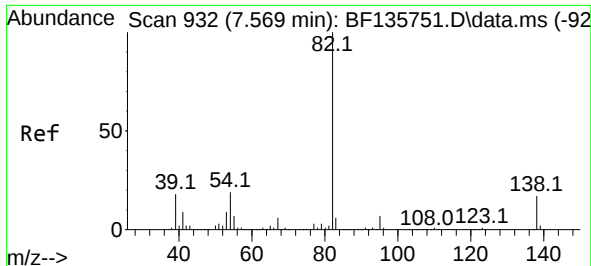
Tgt Ion:136 Resp: 377669
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 10.1 8.5 12.7
68 5.8 4.8 7.2



#23
Nitrobenzene-d5
Concen: 84.346 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion: 82 Resp: 579186
Ion Ratio Lower Upper
82 100
128 45.7 37.0 55.6
54 64.0 52.8 79.2

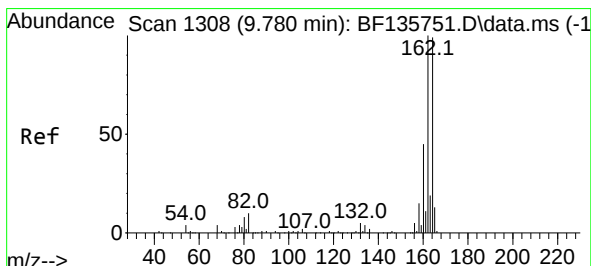
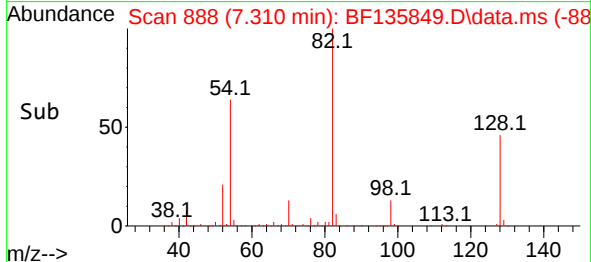
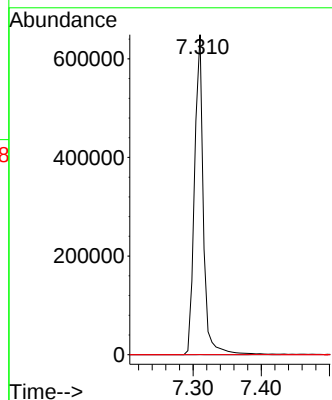
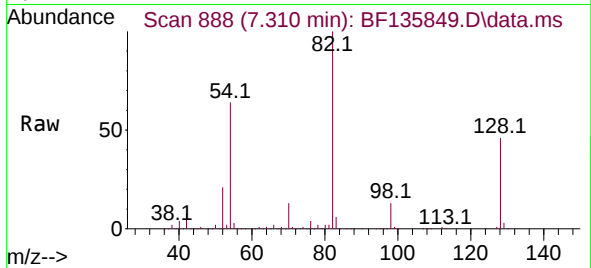




#25
Isophorone
Concen: 44.709 ng
RT: 7.310 min Scan# 88
Delta R.T. -0.259 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

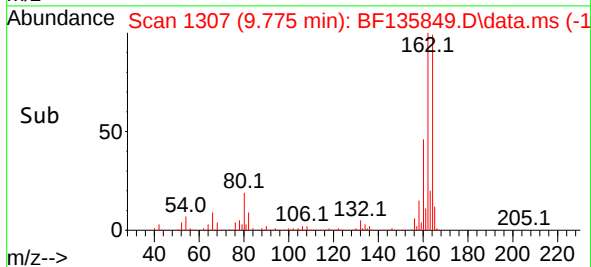
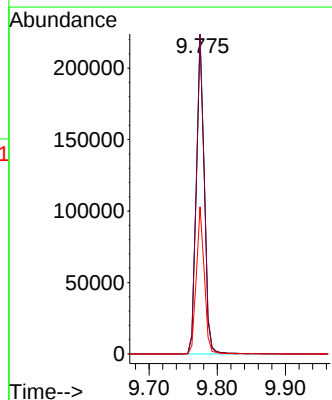
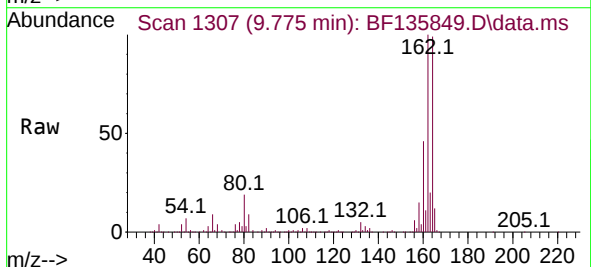
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BNA_F
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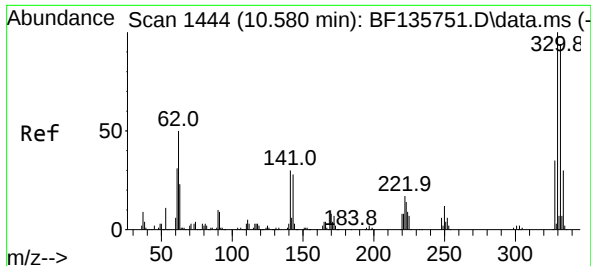
Tgt Ion: 82 Resp: 579186
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:164 Resp: 180203
Ion Ratio Lower Upper
164 100
162 100.7 80.8 121.2
160 46.3 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 153.746 ng

RT: 10.575 min Scan# 1444

Delta R.T. -0.012 min

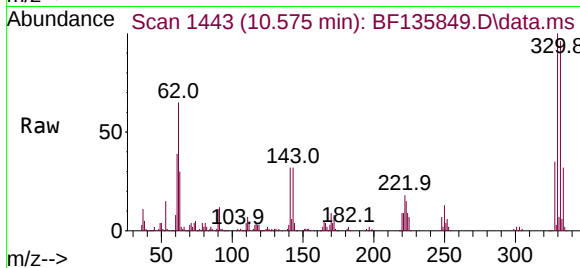
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Acq: 18 Oct 2023 16:07

Instrument :

BNA_F

ClientSampleId :



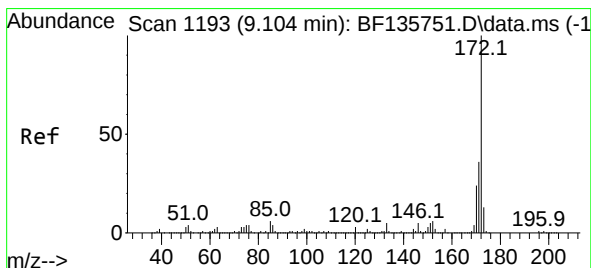
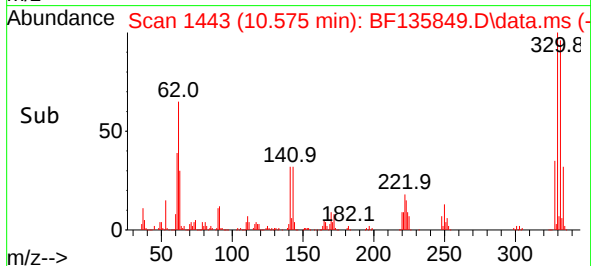
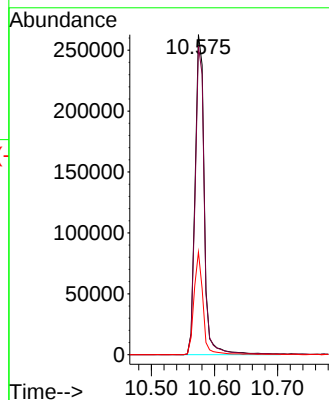
Tgt Ion:330 Resp: 265857

Ion Ratio Lower Upper

330 100

332 96.1 75.0 112.4

141 31.4 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 87.963 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135849.D

Acq: 18 Oct 2023 16:07

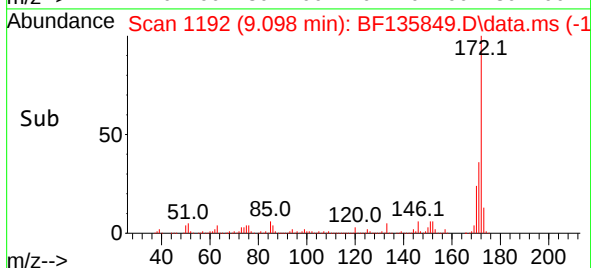
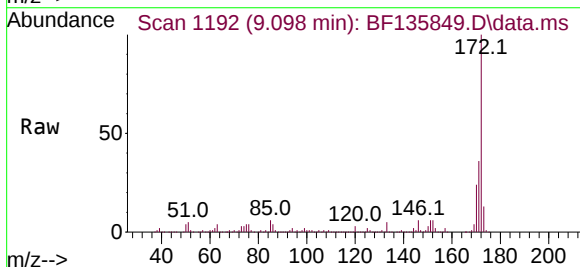
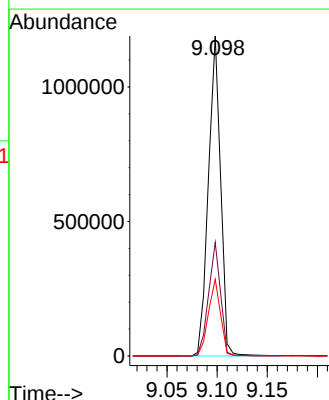
Tgt Ion:172 Resp: 1013817

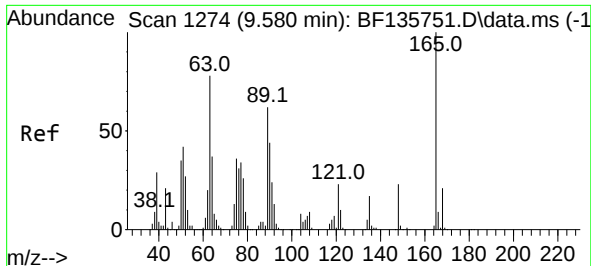
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.9 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.038 ng

RT: 9.775 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF135849.D

Acq: 18 Oct 2023 16:07

Instrument :

BNA_F

ClientSampleId :

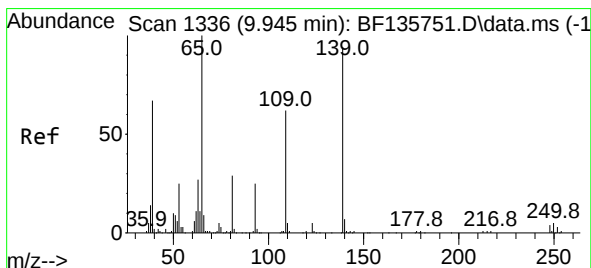
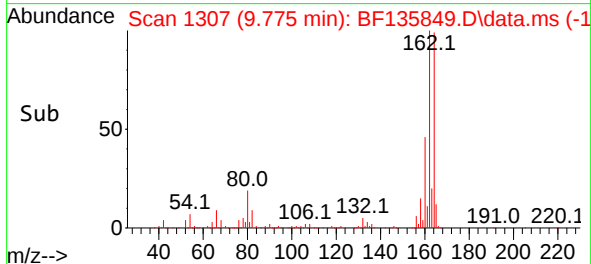
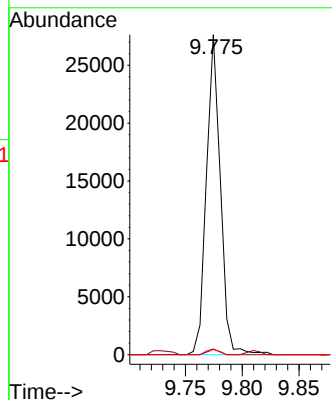
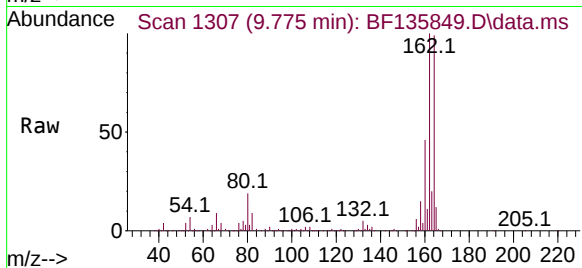
Tgt Ion:165 Resp: 23643

Ion Ratio Lower Upper

165 100

63 1.6 62.2 93.4#

89 1.8 49.6 74.4#



#56

4-Nitrophenol

Concen: 9.164 ng

RT: 9.986 min Scan# 1343

Delta R.T. 0.041 min

Lab File: BF135849.D

Acq: 18 Oct 2023 16:07

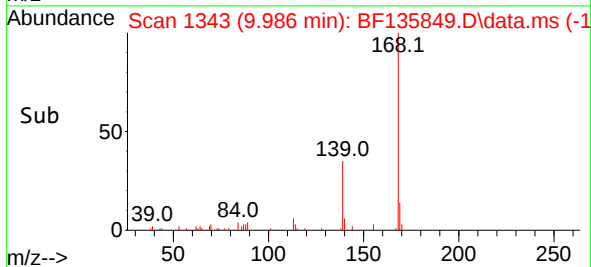
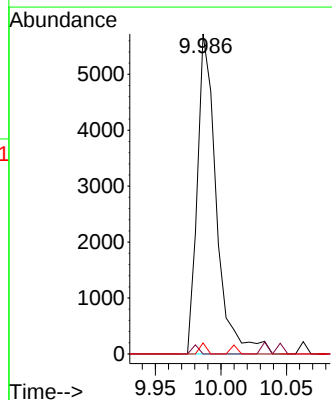
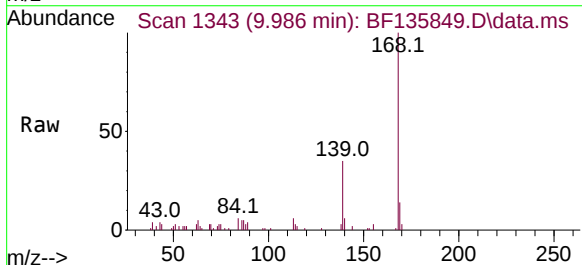
Tgt Ion:139 Resp: 5793

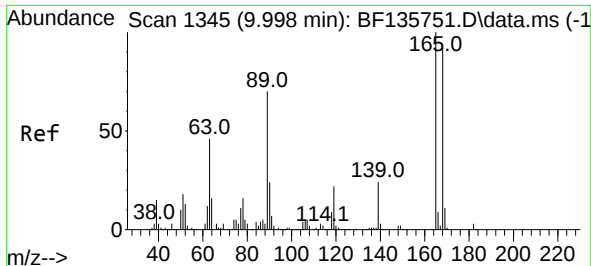
Ion Ratio Lower Upper

139 100

109 0.0 45.6 85.6#

65 3.4 87.5 127.5#





#57

2,4-Dinitrotoluene

Concen: 7.104 ng

RT: 9.775 min Scan# 1

Delta R.T. -0.230 min

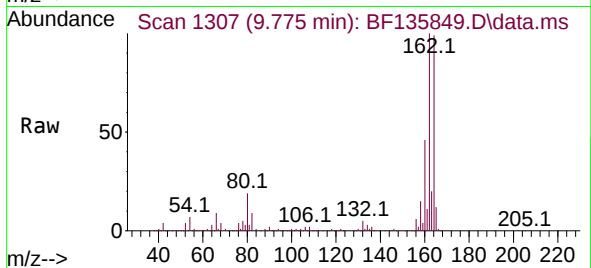
Lab File: BF135849.D

Acq: 18 Oct 2023 16:07

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:165 Resp: 23643

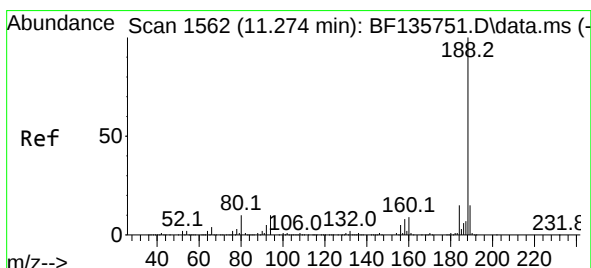
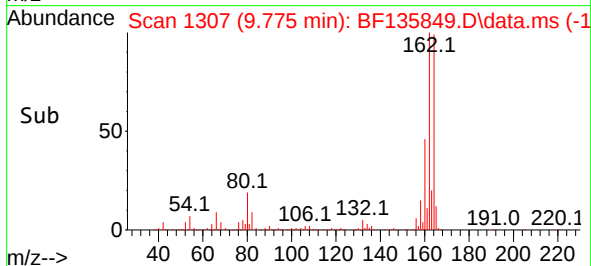
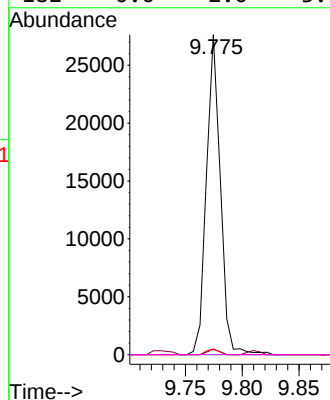
Ion Ratio Lower Upper

165 100

63 1.6 39.0 58.4#

89 1.8 55.9 83.9#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.274 min Scan# 1562

Delta R.T. -0.006 min

Lab File: BF135849.D

Acq: 18 Oct 2023 16:07

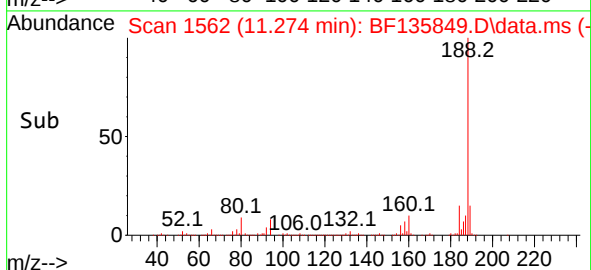
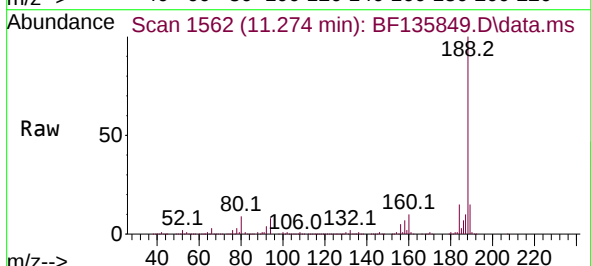
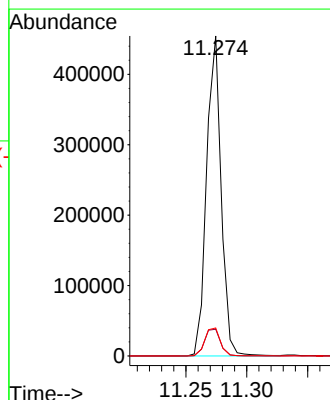
Tgt Ion:188 Resp: 377601

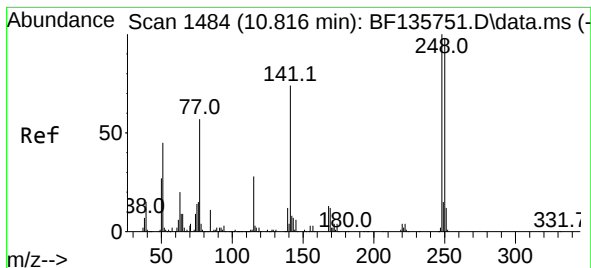
Ion Ratio Lower Upper

188 100

94 8.3 8.0 12.0

80 8.8 8.3 12.5

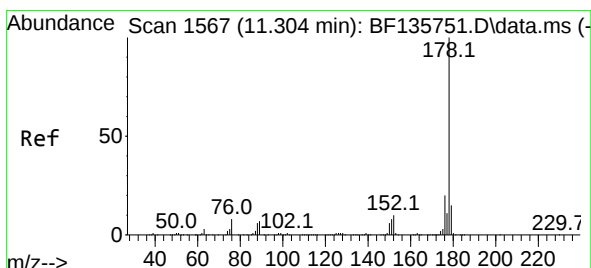
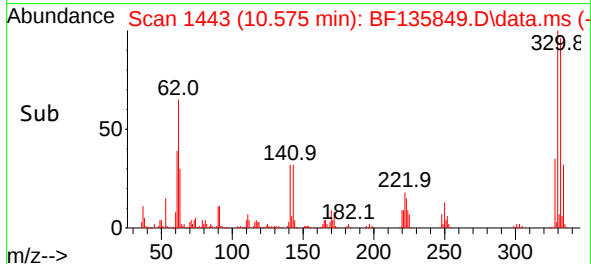
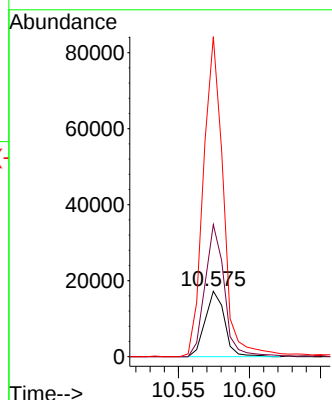
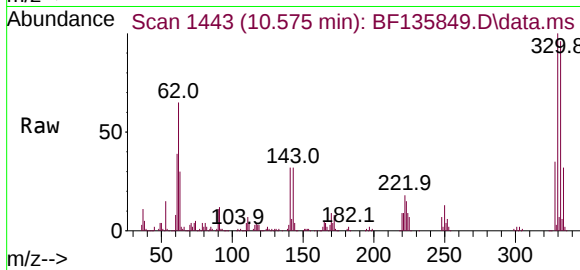




#67
4-Bromophenyl-phenylether
Concen: 4.337 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.247 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

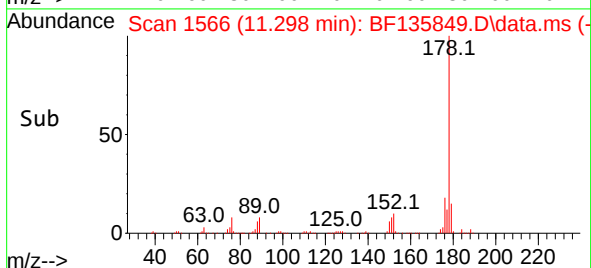
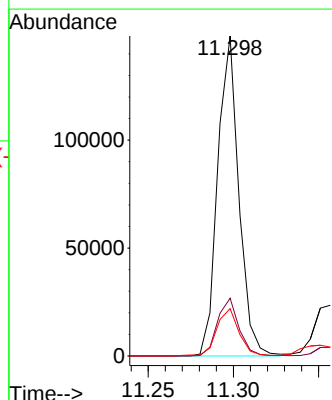
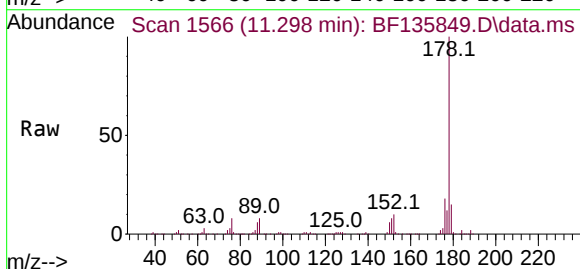
Instrument :
BNA_F
ClientSampleId :

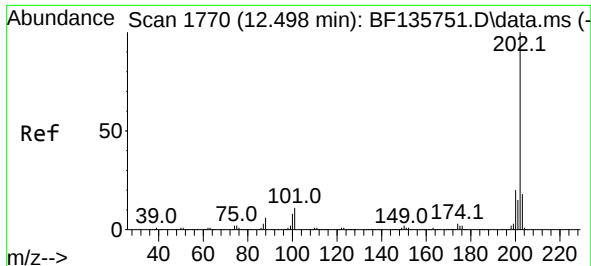
Tgt Ion:248 Resp: 16441
Ion Ratio Lower Upper
248 100
250 202.1 78.0 117.0#
141 489.4 59.0 88.6#



#71
Phenanthrene
Concen: 7.067 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:178 Resp: 127833
Ion Ratio Lower Upper
178 100
176 18.0 16.0 24.0
179 14.8 12.2 18.4

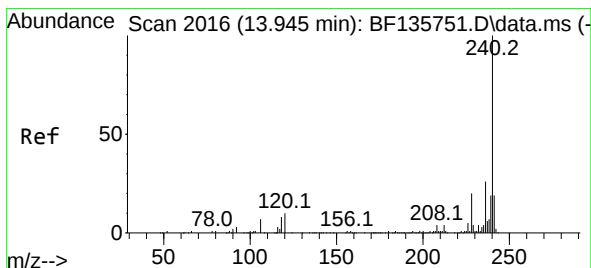
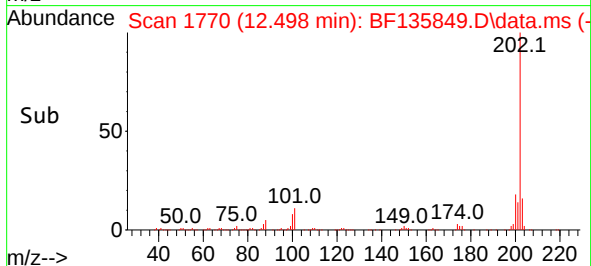
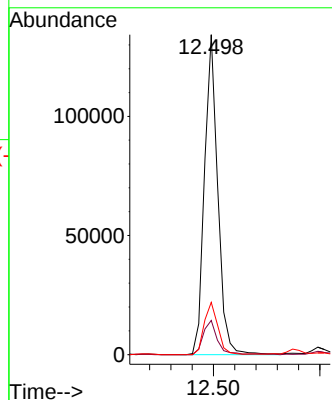
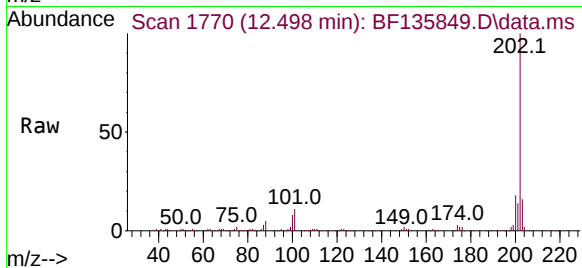




#75
Fluoranthene
Concen: 5.817 ng
RT: 12.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

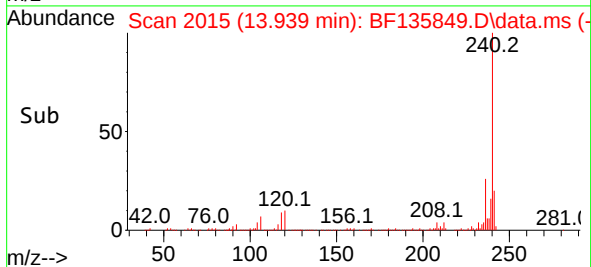
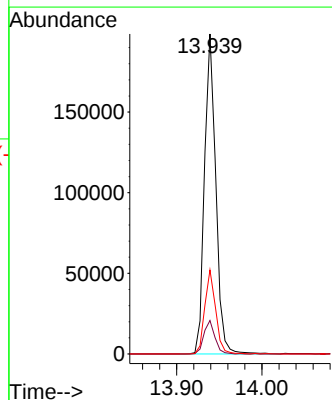
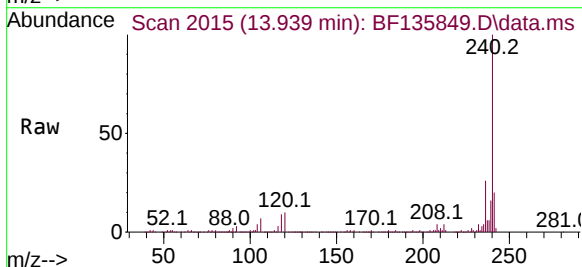
Instrument :
BNA_F
ClientSampleId :

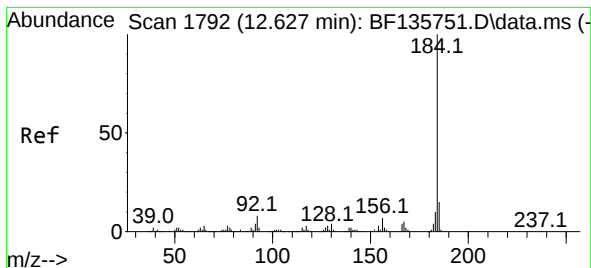
Tgt Ion:202 Resp: 116789
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.5
203 16.3 0.0 38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135849.D
Acq: 18 Oct 2023 16:07

Tgt Ion:240 Resp: 182799
Ion Ratio Lower Upper
240 100
120 10.4 8.2 12.2
236 26.3 21.2 31.8





#77

Benzidine

Concen: 3.760 ng

RT: 12.874 min Scan# 1809

Delta R.T. 0.241 min

Lab File: BF135849.D

Acq: 18 Oct 2023 16:07

Instrument :

BNA_F

ClientSampleId :

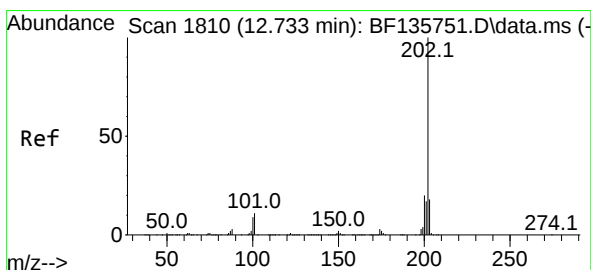
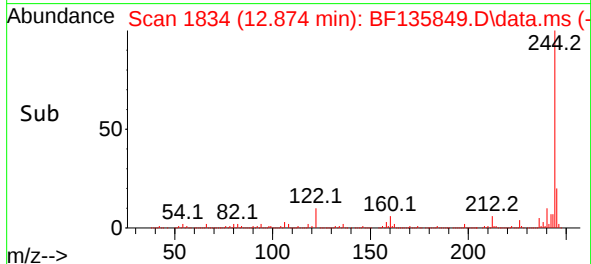
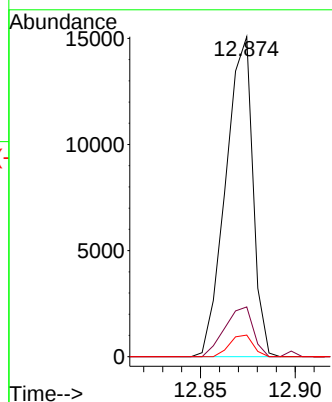
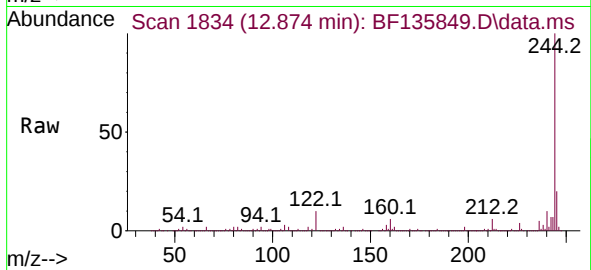
Tgt Ion:184 Resp: 14997

Ion Ratio Lower Upper

184 100

185 15.6 12.0 18.0

183 6.7 8.2 12.2#



#78

Pyrene

Concen: 6.175 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135849.D

Acq: 18 Oct 2023 16:07

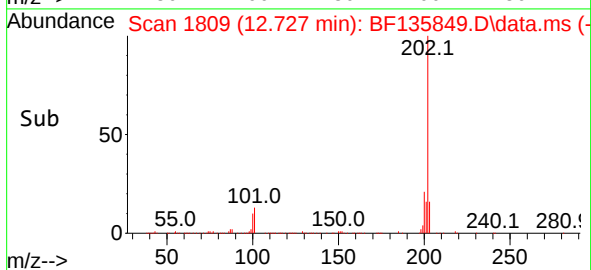
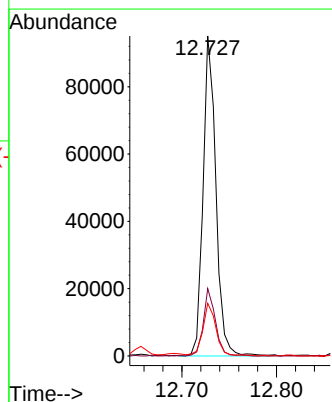
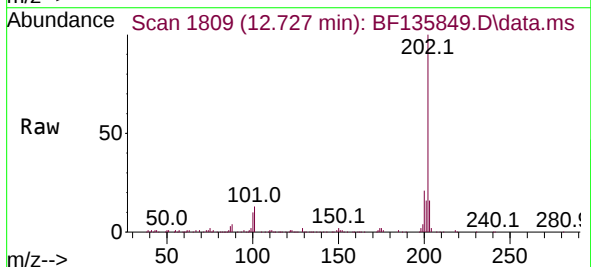
Tgt Ion:202 Resp: 89706

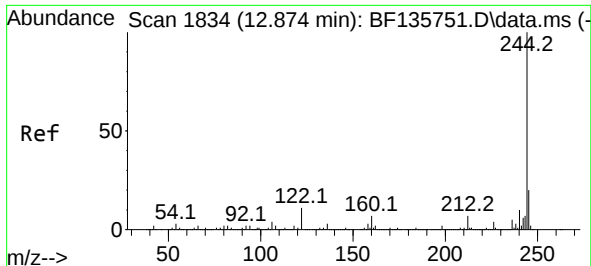
Ion Ratio Lower Upper

202 100

200 21.0 16.1 24.1

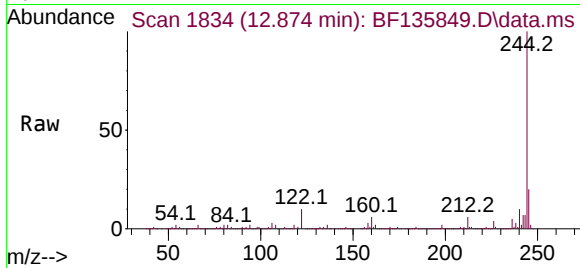
203 16.4 14.2 21.2



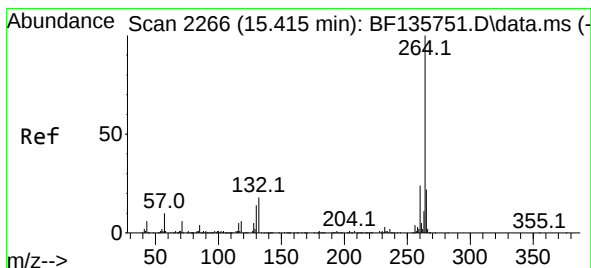
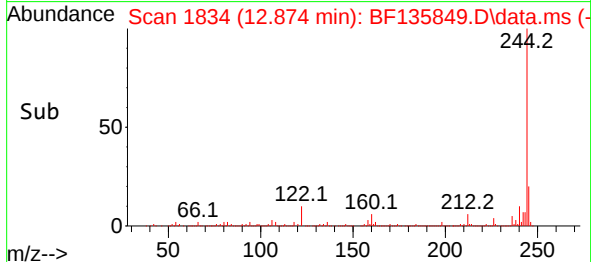
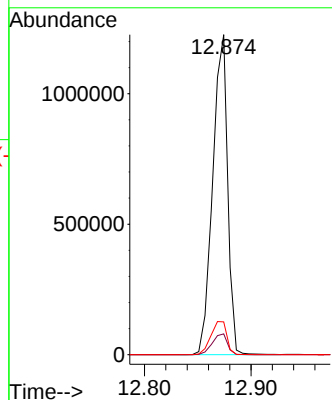


#79
 Terphenyl-d14
 Concen: 120.560 ng
 RT: 12.874 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135849.D
 Acq: 18 Oct 2023 16:07

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 1190031
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.6 8.4
 122 10.3 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 2267
 Delta R.T. -0.000 min
 Lab File: BF135849.D
 Acq: 18 Oct 2023 16:07

Tgt Ion:264 Resp: 168263
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.2 28.8
 265 20.4 17.4 26.2

