

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071923\
 Data File : BF134369.D
 Acq On : 19 Jul 2023 20:52
 Operator : CG\JU
 Sample : 03641-11
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 00:45:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

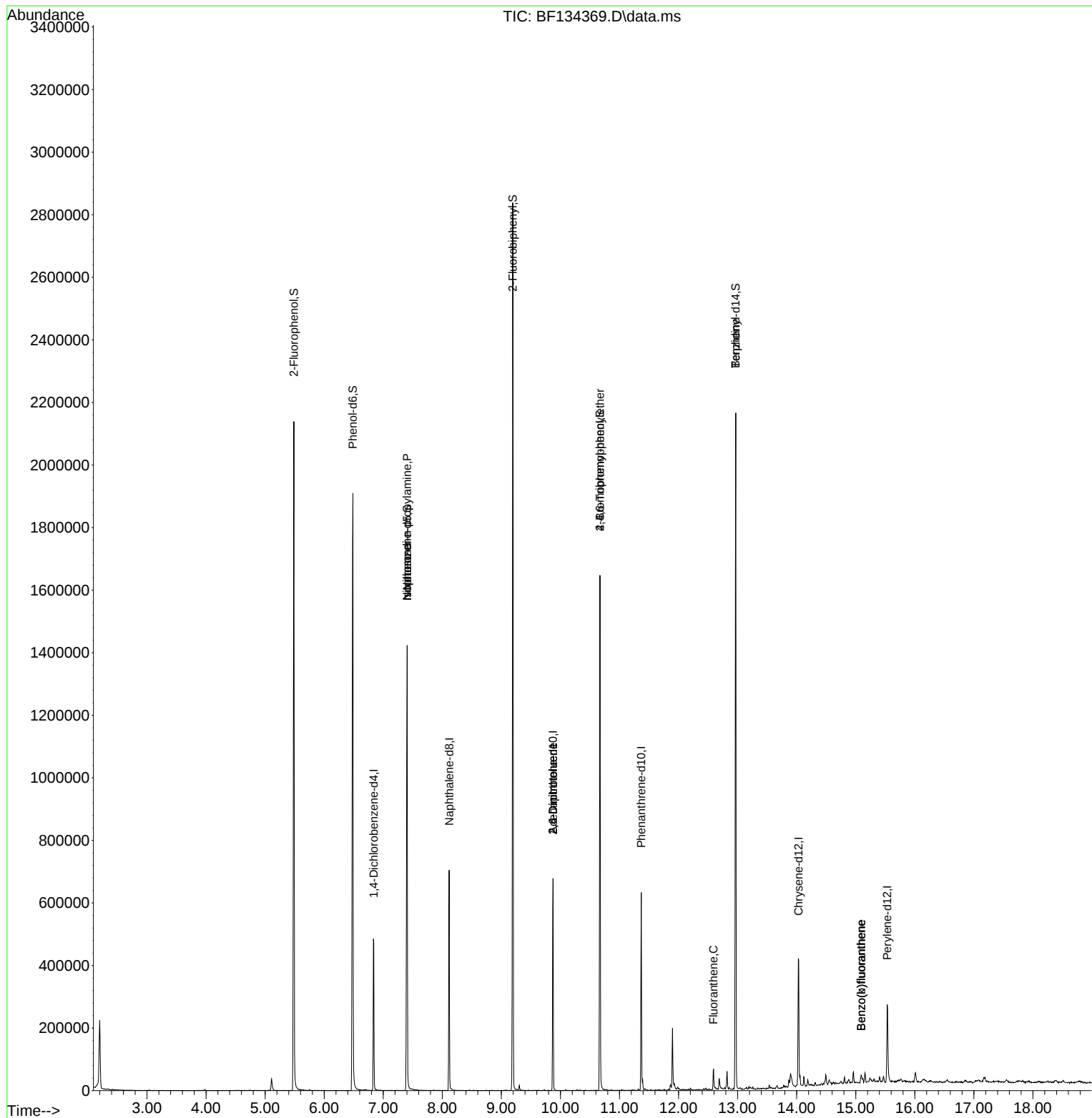
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	73843	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	278548	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	131779	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	211690	20.000	ng	0.00
76) Chrysene-d12	14.033	240	146375	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	119717	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	547490	124.023	ng	0.02
7) Phenol-d6	6.487	99	655331	120.712	ng	0.00
23) Nitrobenzene-d5	7.404	82	439748	85.101	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	195845	118.533	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	825717	91.100	ng	-0.01
79) Terphenyl-d14	12.969	244	736200	80.946	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.487	77	1238	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	60970	17.709	ng	# 75
25) Isophorone	7.404	82	439744	46.825	ng	# 64
51) 2,6-Dinitrotoluene	9.875	165	17148	8.323	ng	# 24
57) 2,4-Dinitrotoluene	9.875	165	17148	6.302	ng	# 22
67) 4-Bromophenyl-phenylether	10.669	248	12241	5.440	ng	# 1
75) Fluoranthene	12.592	202	27448	2.382	ng	94
77) Benzidine	12.969	184	10606	3.045	ng	# 96
88) Benzo(b)fluoranthene	15.092	252	18817	2.673	ng	# 92
89) Benzo(k)fluoranthene	15.092	252	18817	2.625	ng	# 91

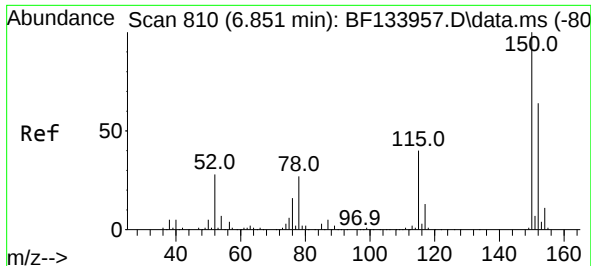
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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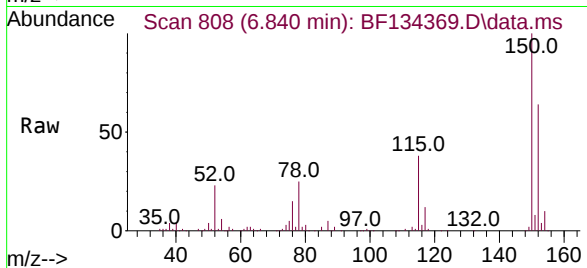
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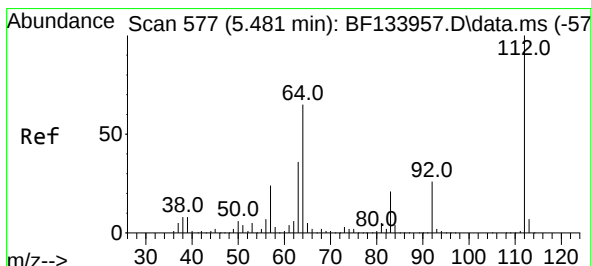
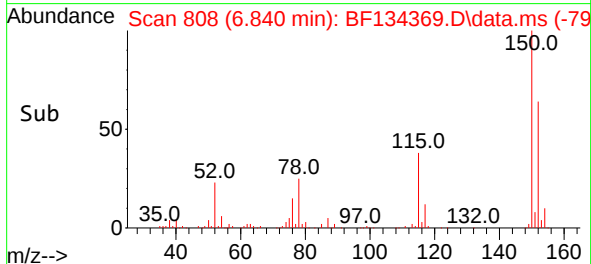
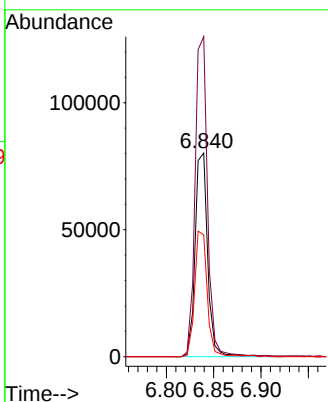


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.840 min Scan# 80
 Delta R.T. -0.005 min
 Lab File: BF134369.D
 Acq: 19 Jul 2023 20:52

Instrument :
 BNA_F
 ClientSampleId :

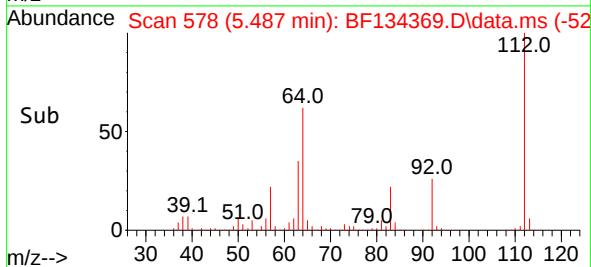
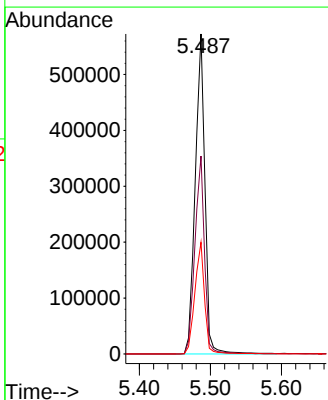
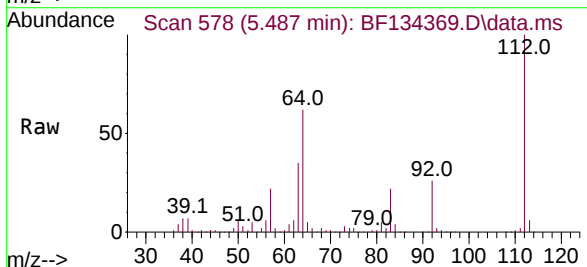


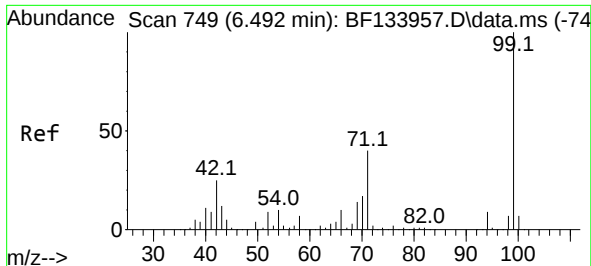
Tgt Ion:152 Resp: 73843
 Ion Ratio Lower Upper
 152 100
 150 157.1 124.5 186.7
 115 59.8 50.2 75.2



#5
 2-Fluorophenol
 Concen: 124.023 ng
 RT: 5.487 min Scan# 578
 Delta R.T. 0.018 min
 Lab File: BF134369.D
 Acq: 19 Jul 2023 20:52

Tgt Ion:112 Resp: 547490
 Ion Ratio Lower Upper
 112 100
 64 61.8 52.1 78.1
 63 34.9 28.6 42.8





#7

Phenol-d6

Concen: 120.712 ng

RT: 6.487 min Scan# 74

Delta R.T. 0.000 min

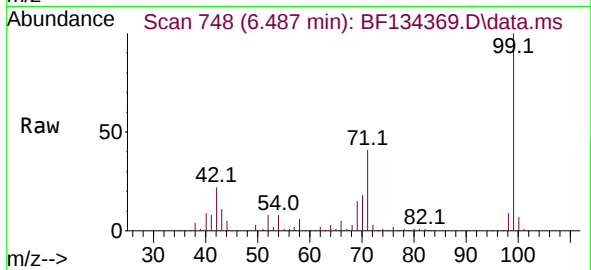
Lab File: BF134369.D

Acq: 19 Jul 2023 20:52

Instrument :

BNA_F

ClientSampleId :



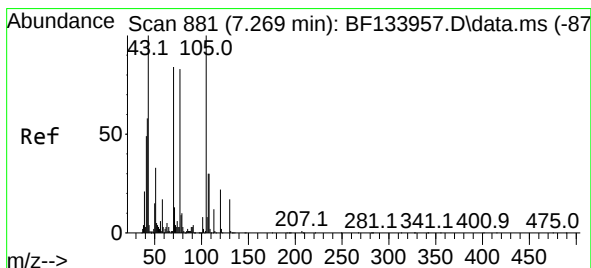
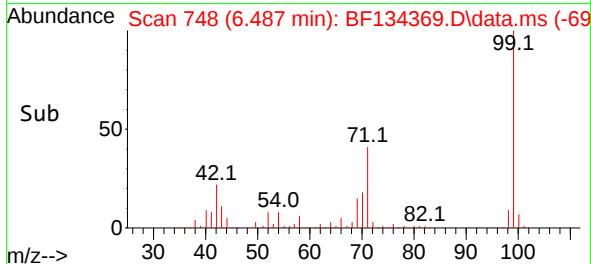
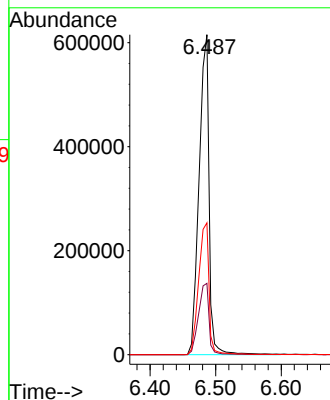
Tgt Ion: 99 Resp: 655331

Ion Ratio Lower Upper

99 100

42 22.3 19.8 29.6

71 41.2 31.9 47.9



#19

n-Nitroso-di-n-propylamine

Concen: 17.709 ng

RT: 7.404 min Scan# 904

Delta R.T. 0.147 min

Lab File: BF134369.D

Acq: 19 Jul 2023 20:52

Tgt Ion: 70 Resp: 60970

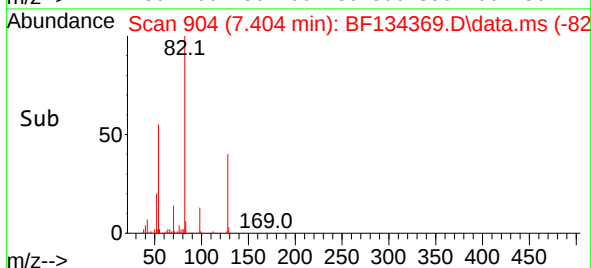
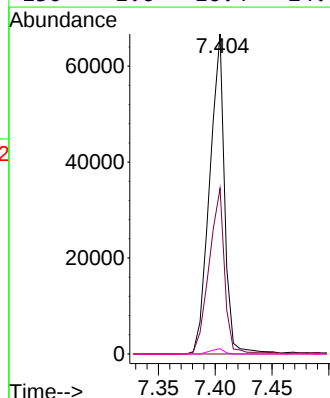
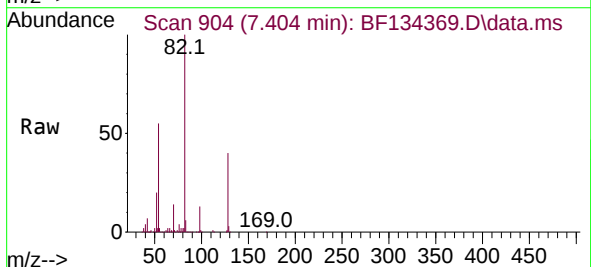
Ion Ratio Lower Upper

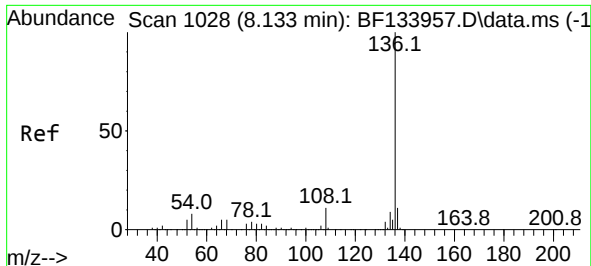
70 100

42 51.7 54.7 82.1#

101 0.0 7.7 11.5#

130 1.6 16.4 24.6#

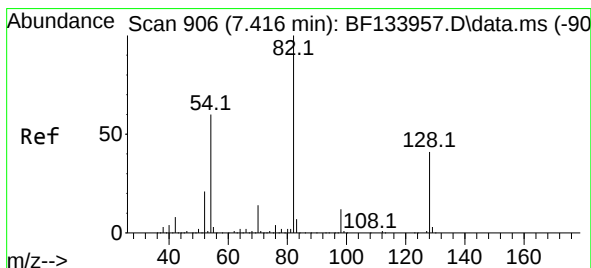
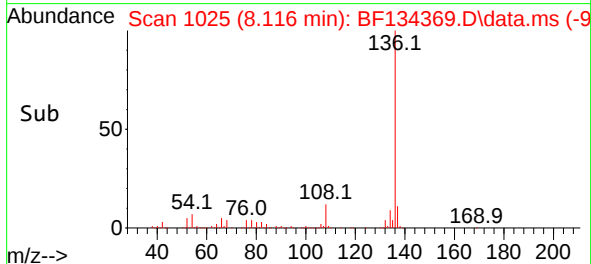
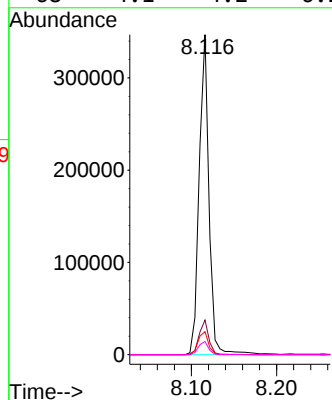
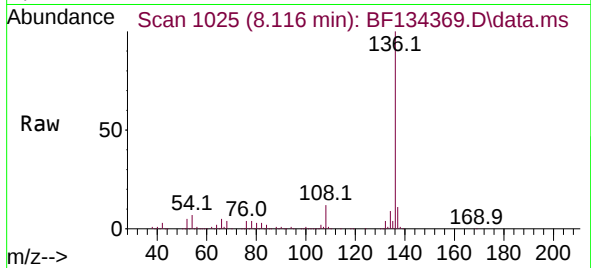




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF134369.D
Acq: 19 Jul 2023 20:52

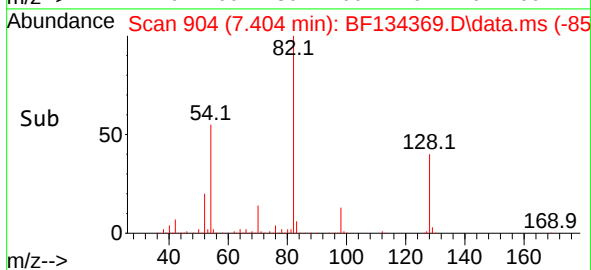
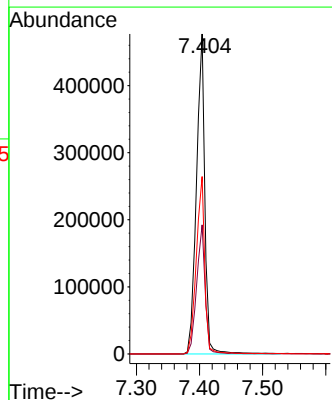
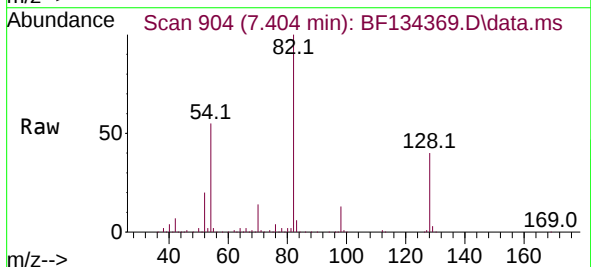
Instrument :
BNA_F
ClientSampleId :

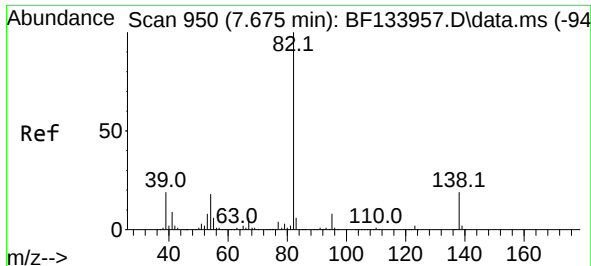
Tgt Ion:136 Resp: 278548
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.2 6.5 9.7
68 4.1 4.2 6.2#



#23
Nitrobenzene-d5
Concen: 85.101 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134369.D
Acq: 19 Jul 2023 20:52

Tgt Ion: 82 Resp: 439748
Ion Ratio Lower Upper
82 100
128 40.4 32.5 48.7
54 55.5 48.2 72.2

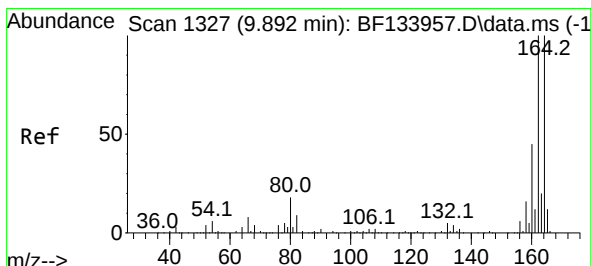
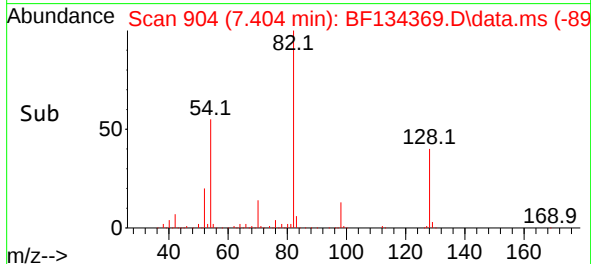
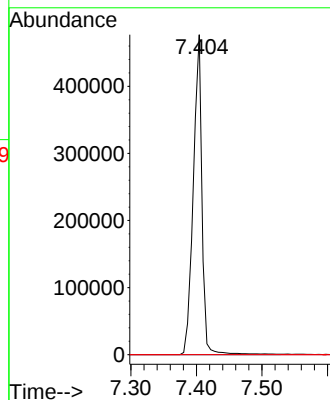
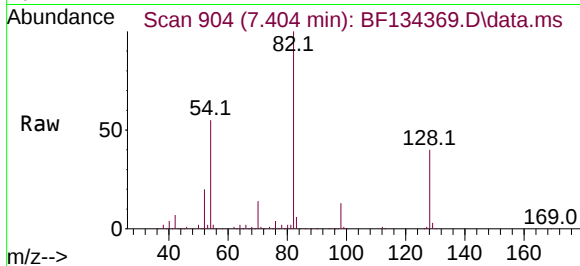




#25
Isophorone
Concen: 46.825 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134369.D
Acq: 19 Jul 2023 20:52

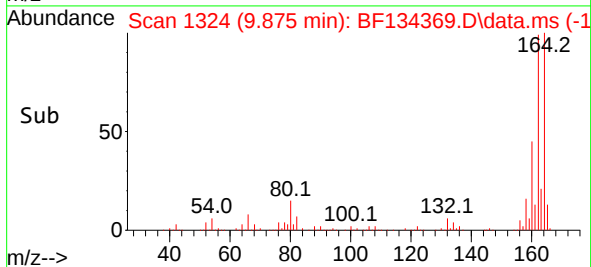
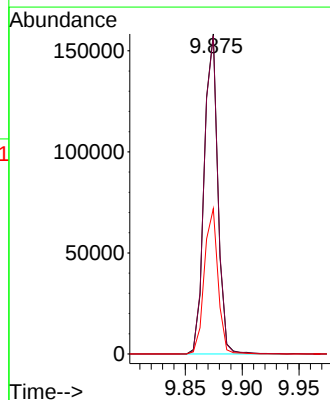
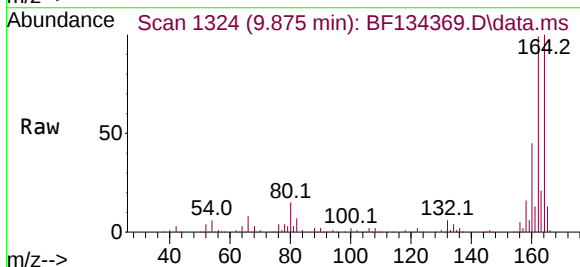
Instrument :
BNA_F
ClientSampleId :

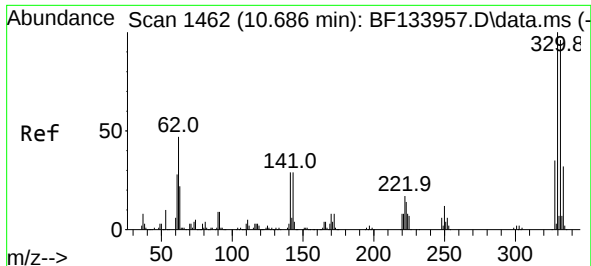
Tgt Ion: 82 Resp: 439744
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134369.D
Acq: 19 Jul 2023 20:52

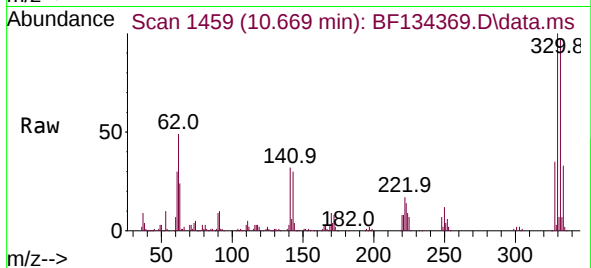
Tgt Ion: 164 Resp: 131779
Ion Ratio Lower Upper
164 100
162 99.4 80.0 120.0
160 45.4 35.9 53.9



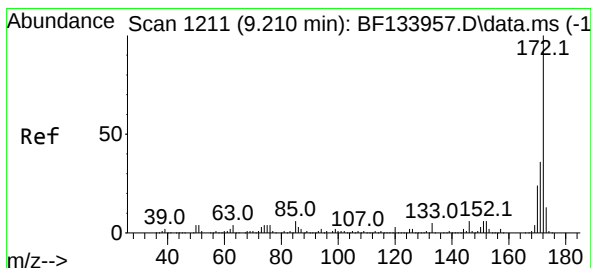
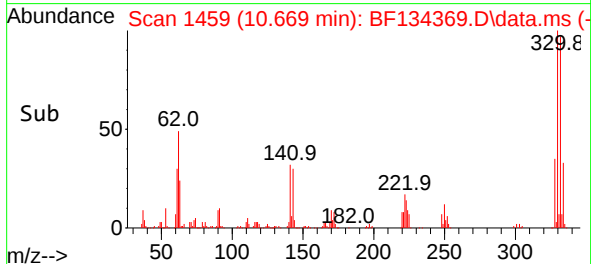
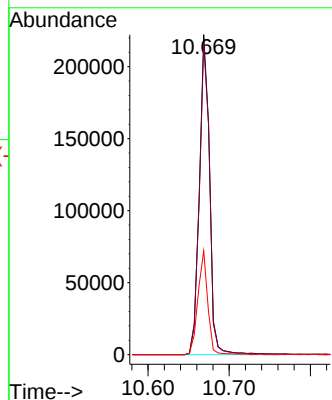


#42
2,4,6-Tribromophenol
Concen: 118.533 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134369.D
Acq: 19 Jul 2023 20:52

Instrument :
BNA_F
ClientSampleId :

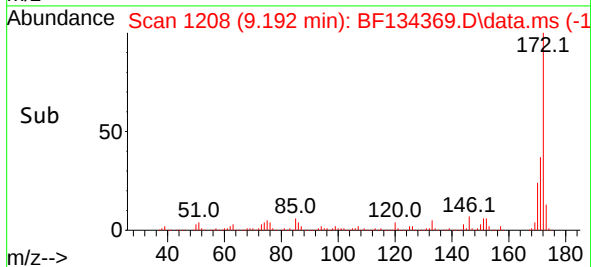
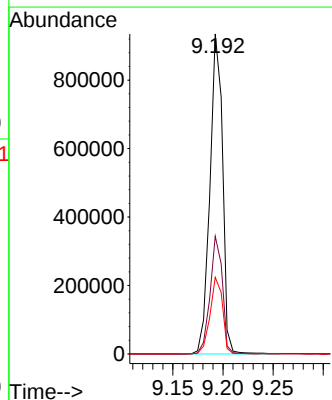
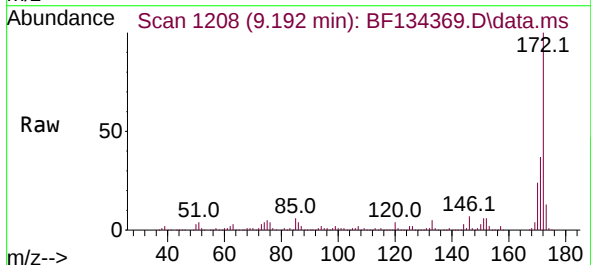


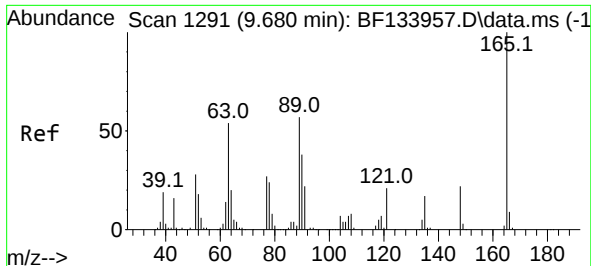
Tgt Ion:330 Resp: 195845
Ion Ratio Lower Upper
330 100
332 97.9 77.0 115.6
141 31.1 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 91.100 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134369.D
Acq: 19 Jul 2023 20:52

Tgt Ion:172 Resp: 825717
Ion Ratio Lower Upper
172 100
171 36.8 28.6 43.0
170 23.9 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.323 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134369.D

Acq: 19 Jul 2023 20:52

Instrument :

BNA_F

ClientSampleId :

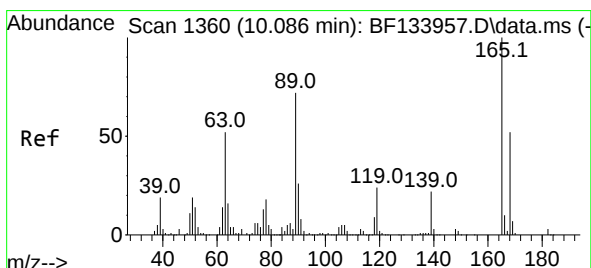
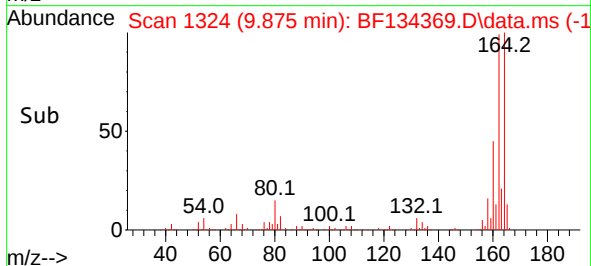
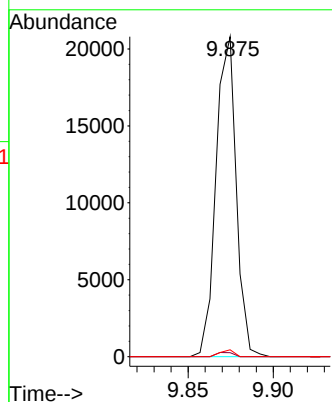
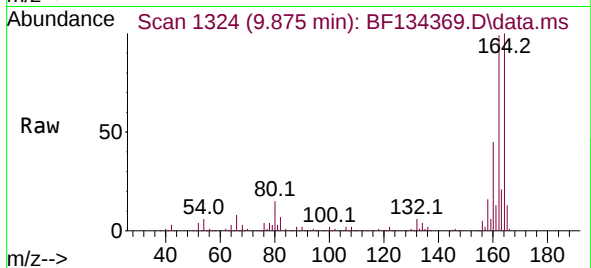
Tgt Ion:165 Resp: 17148

Ion Ratio Lower Upper

165 100

63 1.3 48.5 72.7#

89 2.2 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.302 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.206 min

Lab File: BF134369.D

Acq: 19 Jul 2023 20:52

Tgt Ion:165 Resp: 17148

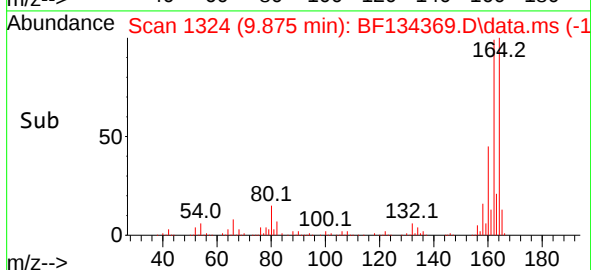
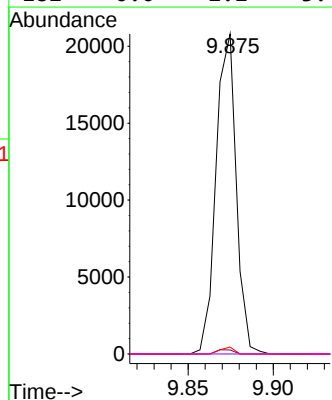
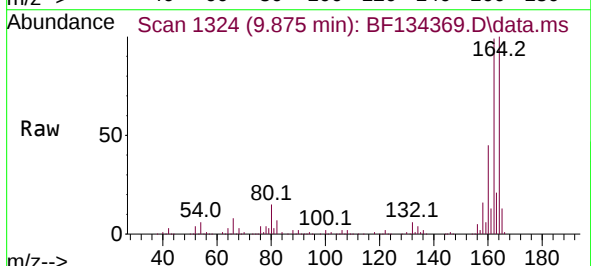
Ion Ratio Lower Upper

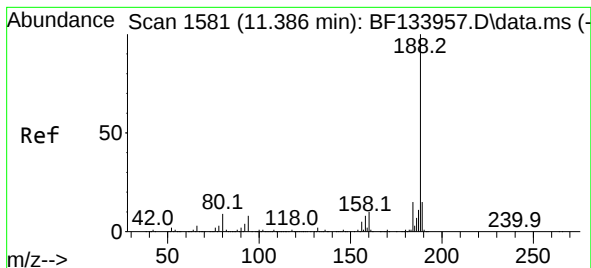
165 100

63 1.3 42.2 63.2#

89 2.2 57.4 86.2#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134369.D

Acq: 19 Jul 2023 20:52

Instrument :

BNA_F

ClientSampleId :

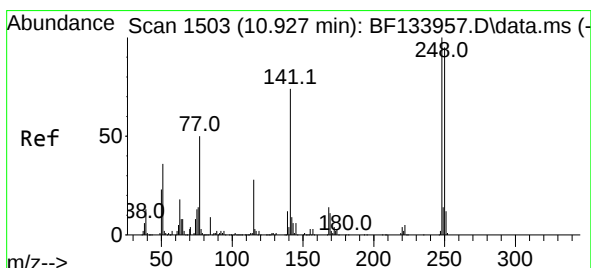
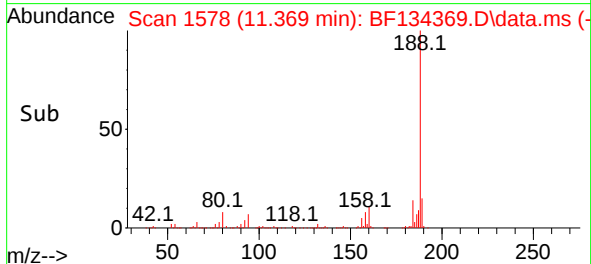
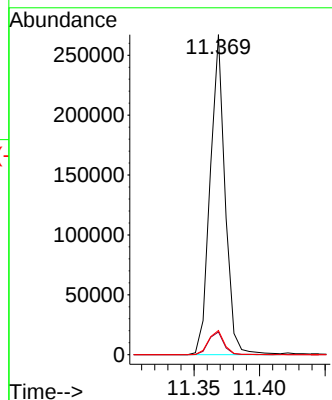
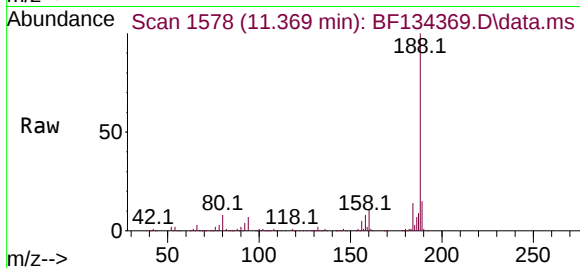
Tgt Ion:188 Resp: 211690

Ion Ratio Lower Upper

188 100

94 7.1 6.4 9.6

80 7.5 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 5.440 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134369.D

Acq: 19 Jul 2023 20:52

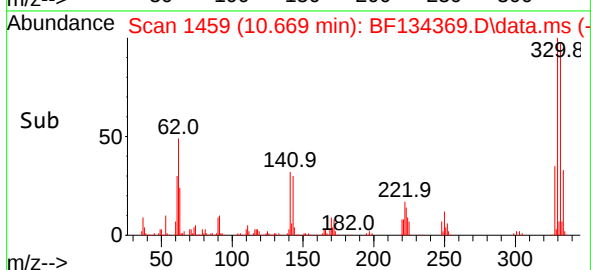
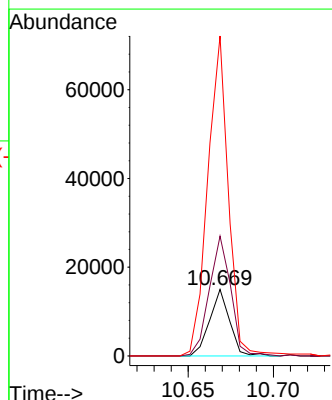
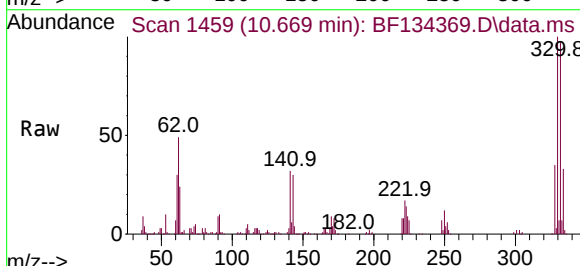
Tgt Ion:248 Resp: 12241

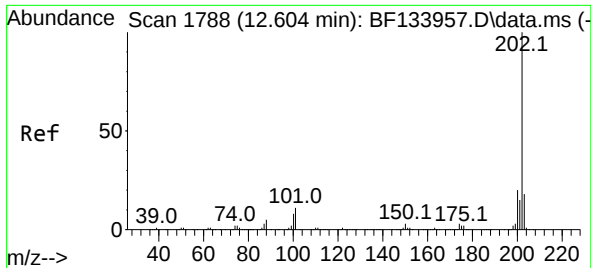
Ion Ratio Lower Upper

248 100

250 180.0 76.2 114.4#

141 480.7 59.0 88.4#

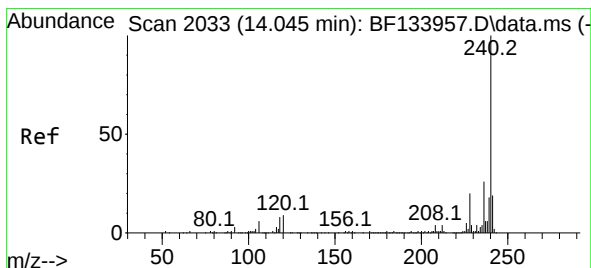
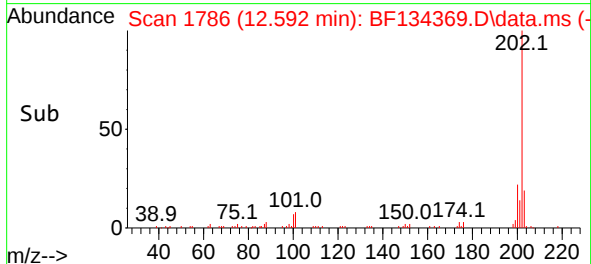
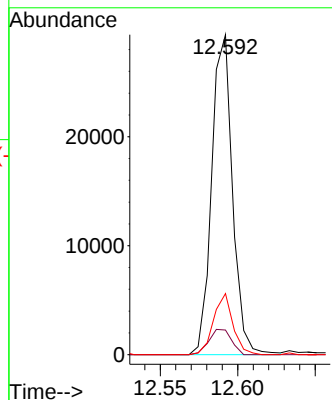
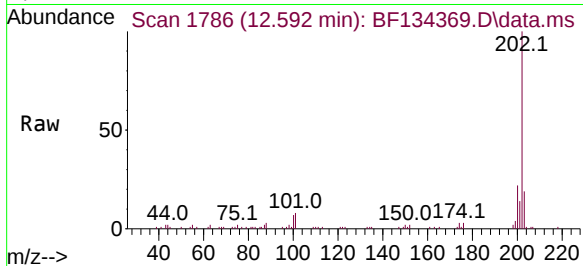




#75
Fluoranthene
Concen: 2.382 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF134369.D
Acq: 19 Jul 2023 20:52

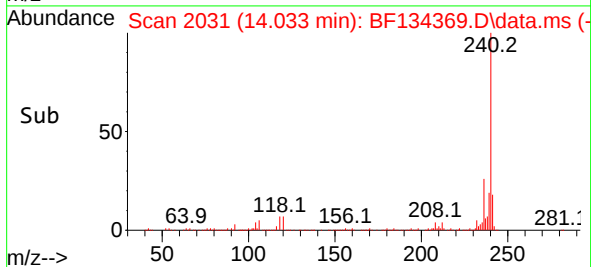
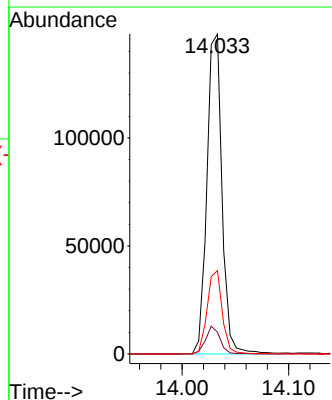
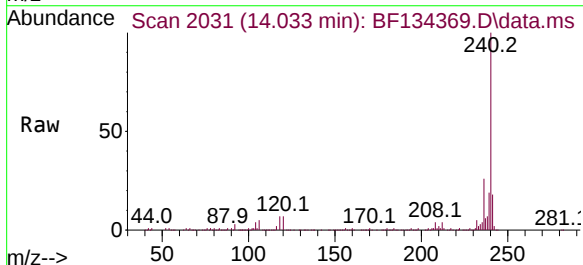
Instrument :
BNA_F
ClientSampleId :

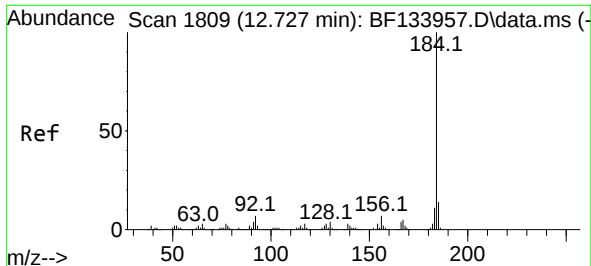
Tgt Ion:202 Resp: 27448
Ion Ratio Lower Upper
202 100
101 7.7 0.0 31.0
203 19.1 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134369.D
Acq: 19 Jul 2023 20:52

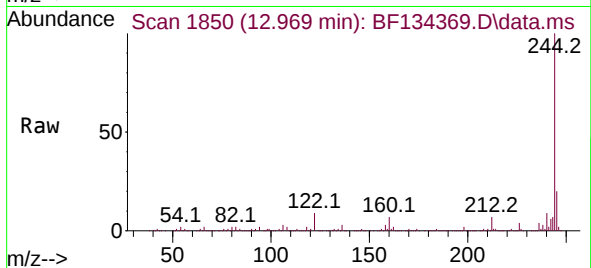
Tgt Ion:240 Resp: 146375
Ion Ratio Lower Upper
240 100
120 6.8 7.4 11.0#
236 26.0 21.0 31.6



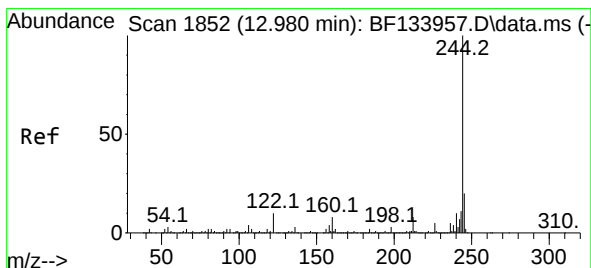
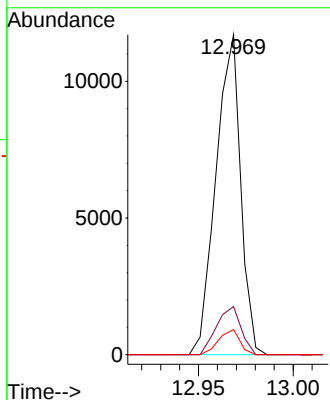
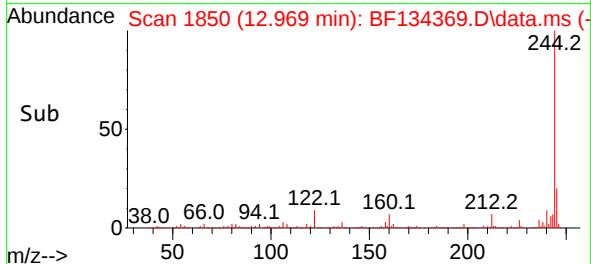


#77
Benzidine
Concen: 3.045 ng
RT: 12.969 min Scan# 1850
Delta R.T. 0.241 min
Lab File: BF134369.D
Acq: 19 Jul 2023 20:52

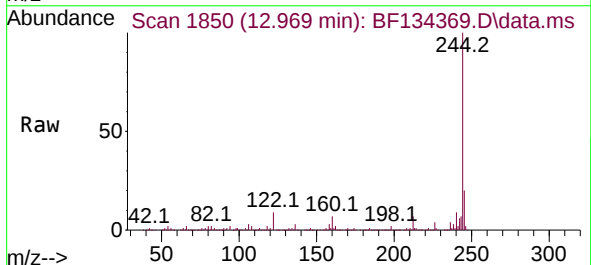
Instrument :
BNA_F
ClientSampleId :



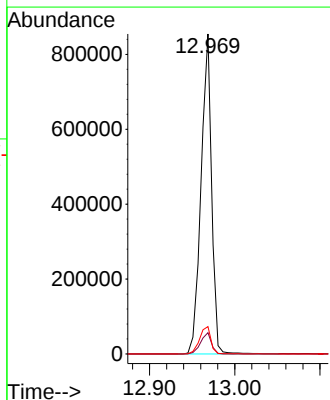
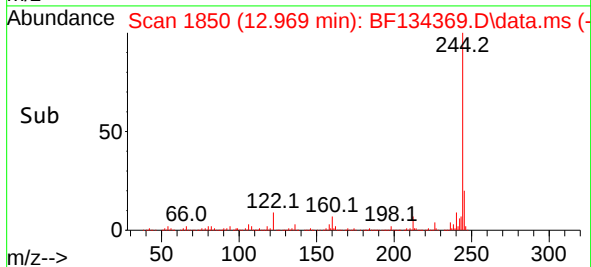
Tgt Ion:184 Resp: 10606
Ion Ratio Lower Upper
184 100
185 15.1 11.6 17.4
183 7.9 8.8 13.2#

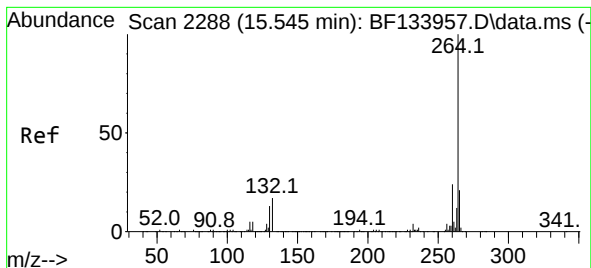


#79
Terphenyl-d14
Concen: 80.946 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF134369.D
Acq: 19 Jul 2023 20:52



Tgt Ion:244 Resp: 736200
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 8.6 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134369.D

Acq: 19 Jul 2023 20:52

Instrument :

BNA_F

ClientSampleId :

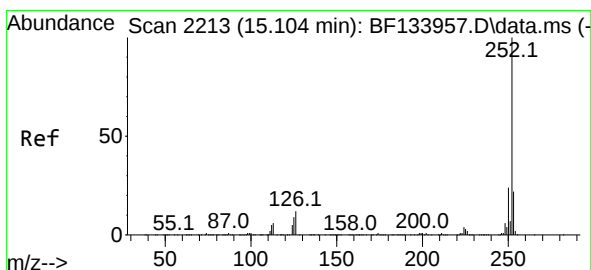
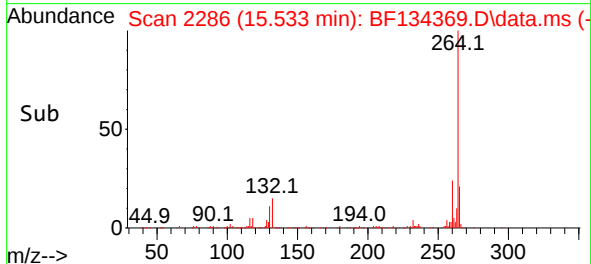
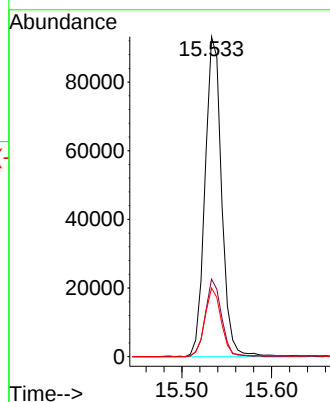
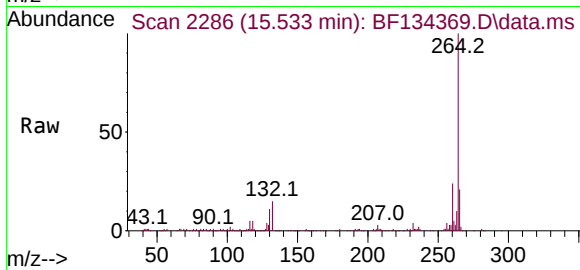
Tgt Ion:264 Resp: 119717

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 21.4 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 2.673 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF134369.D

Acq: 19 Jul 2023 20:52

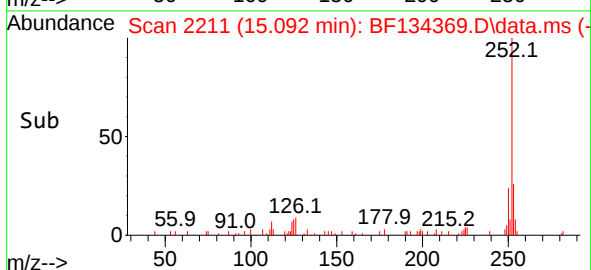
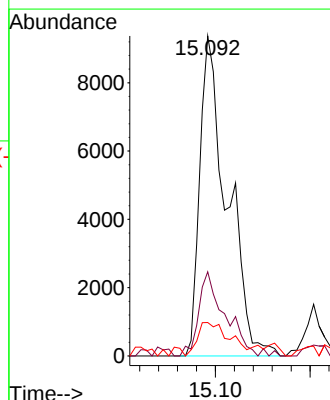
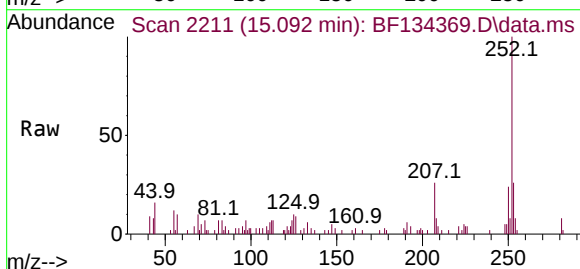
Tgt Ion:252 Resp: 18817

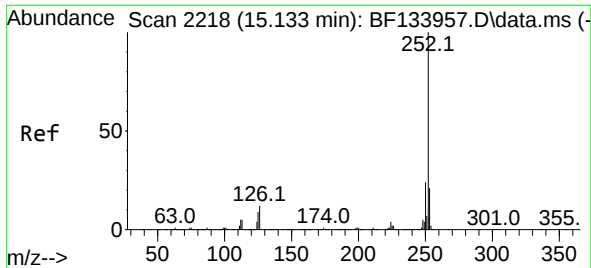
Ion Ratio Lower Upper

252 100

253 26.3 17.4 26.0#

125 10.4 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 2.625 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.041 min

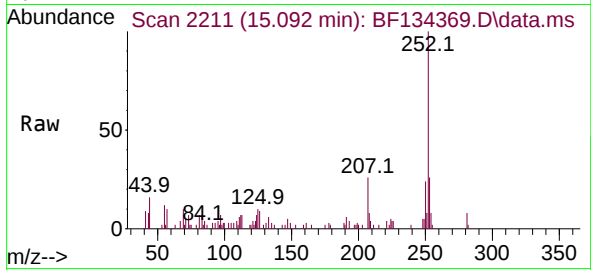
Lab File: BF134369.D

Acq: 19 Jul 2023 20:52

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:252 Resp: 18817

Ion Ratio Lower Upper

252 100

253 26.3 16.9 25.3#

125 10.4 7.4 11.2

