

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080123\
 Data File : BF134564.D
 Acq On : 01 Aug 2023 23:37
 Operator : CG\JU
 Sample : 03770-10RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 02 02:47:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 02:20:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	221179	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	842104	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	380623	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	592394	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	426892	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	337949	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1001114	68.804	ng	0.00
7) Phenol-d6	6.422	99	1266523	68.094	ng	0.00
23) Nitrobenzene-d5	7.351	82	717569	53.251	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	240119	61.885	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1240556	54.192	ng	0.00
79) Terphenyl-d14	12.904	244	1125957	46.497	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.322	77	560	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.351	70	99635	8.947	ng	# 76
25) Isophorone	7.351	82	716159	24.367	ng	# 65
26) 2-Nitrophenol	7.692	139	755	4.902	ng	# 1
32) Benzoic acid	7.822	122	332	7.900	ng	# 43
48) 2-Nitroaniline	9.381	65	1500	3.369	ng	# 1
51) 2,6-Dinitrotoluene	9.734	165	2694	2.976	ng	# 39
54) 2,4-Dinitrophenol	9.816	184	69	6.824	ng	# 1
57) 2,4-Dinitrotoluene	10.063	165	2036	3.149	ng	# 64
65) 4,6-Dinitro-2-methylph...	10.398	198	231	8.778	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	15425	2.379	ng	# 1
75) Fluoranthene	12.522	202	92392	2.780	ng	95
78) Pyrene	12.751	202	86762	2.349	ng	94
88) Benzo(b)fluoranthene	14.992	252	48046	2.331	ng	# 44
89) Benzo(k)fluoranthene	14.992	252	48046	2.340	ng	# 46

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

BNA F

ClientSampleId :

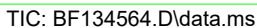
Quant Time: Aug 02 02:47:13 2023

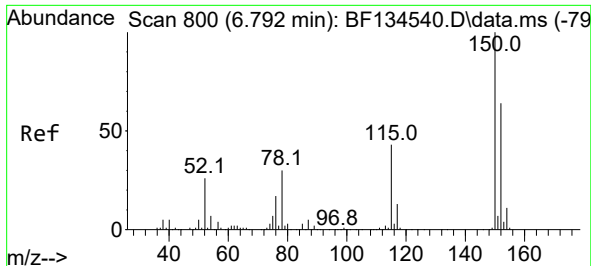
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Aug 02 02:20:34 2023

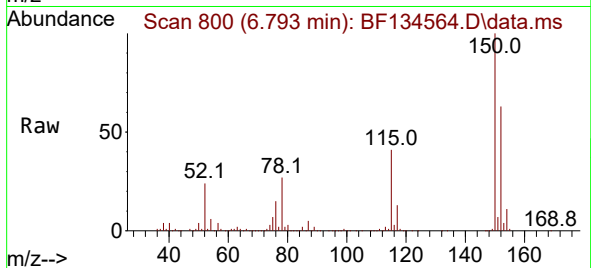
Response via : Initial Calibration



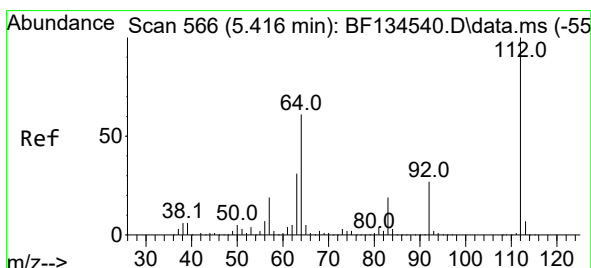
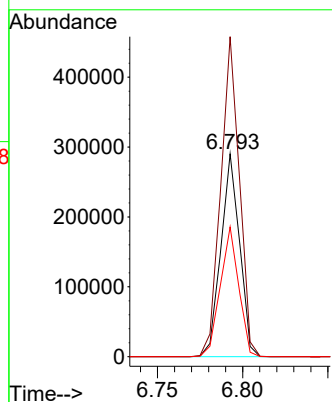
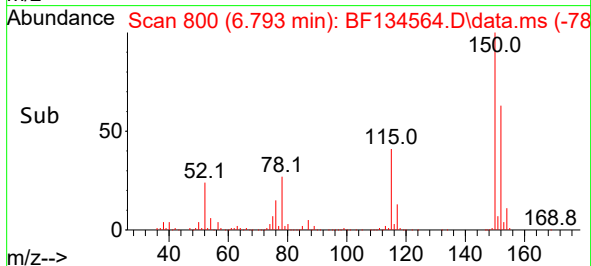


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. 0.001 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

Instrument :
BNA_F
ClientSampleId :

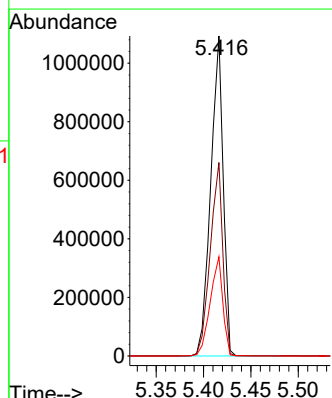
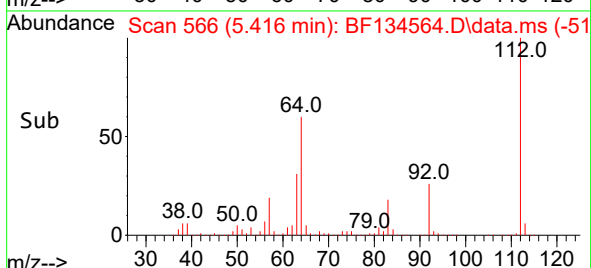
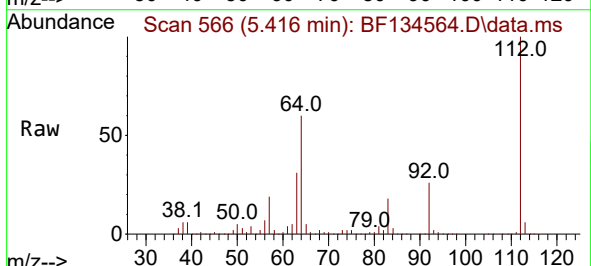


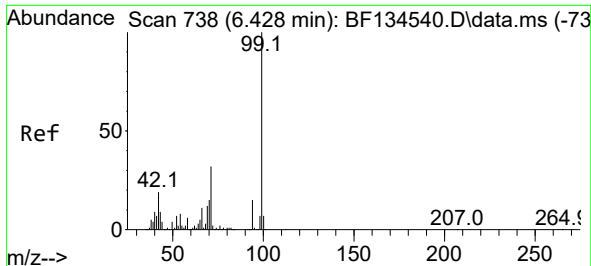
Tgt Ion:152 Resp: 221179
Ion Ratio Lower Upper
152 100
150 157.7 128.3 192.5
115 64.0 52.4 78.6



#5
2-Fluorophenol
Concen: 68.804 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

Tgt Ion:112 Resp: 1001114
Ion Ratio Lower Upper
112 100
64 60.5 44.9 67.3
63 31.0 25.4 38.0

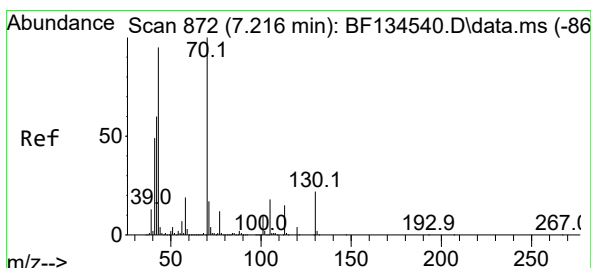
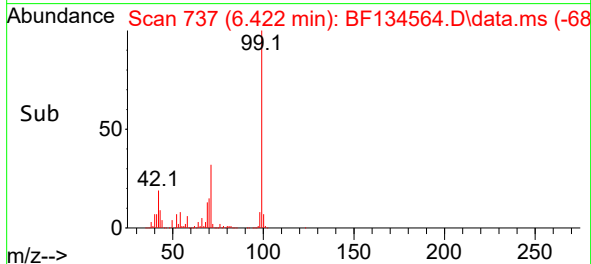
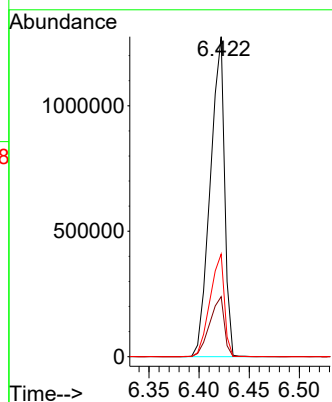
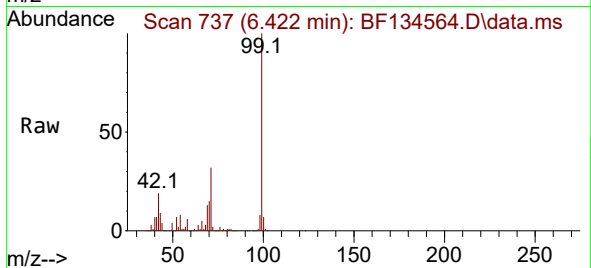




#7
Phenol-d6
Concen: 68.094 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

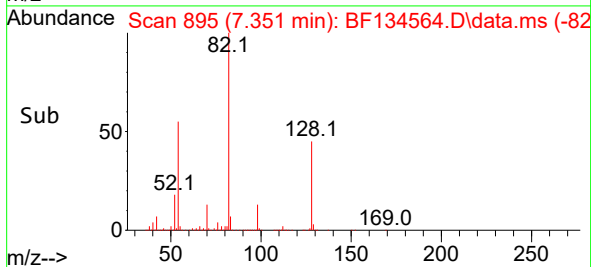
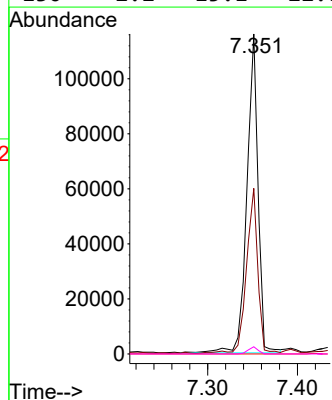
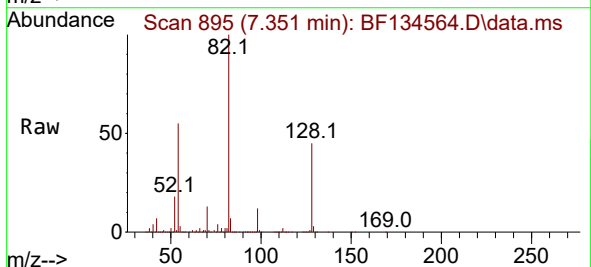
Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1266523
Ion Ratio Lower Upper
99 100
42 18.8 18.7 28.1
71 32.1 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 8.947 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.136 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

Tgt Ion: 70 Resp: 99635
Ion Ratio Lower Upper
70 100
42 51.8 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# 1

Delta R.T. -0.006 min

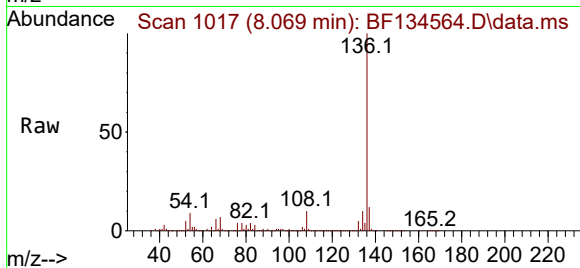
Lab File: BF134564.D

Acq: 01 Aug 2023 23:37

Instrument :

BNA_F

ClientSampleId :



Tgt Ion:136 Resp: 842104

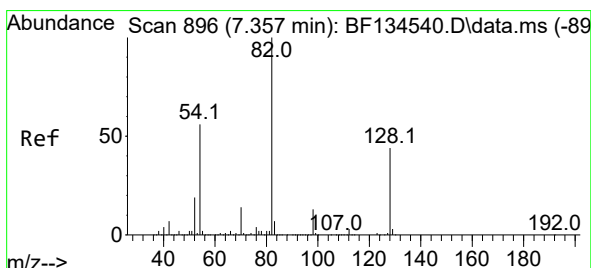
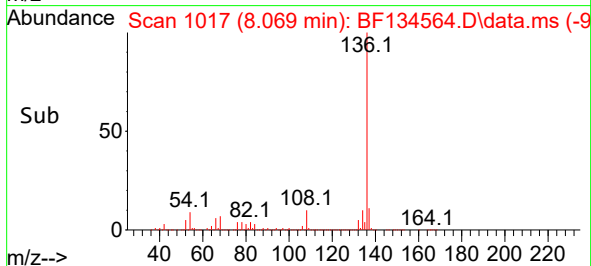
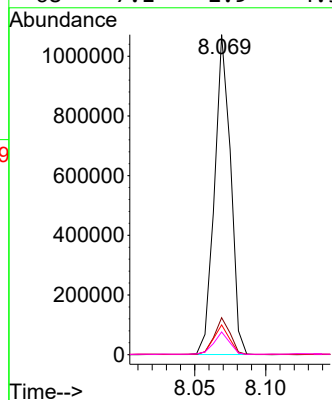
Ion Ratio Lower Upper

136 100

137 11.6 8.4 12.6

54 9.3 5.2 7.8#

68 7.1 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 53.251 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF134564.D

Acq: 01 Aug 2023 23:37

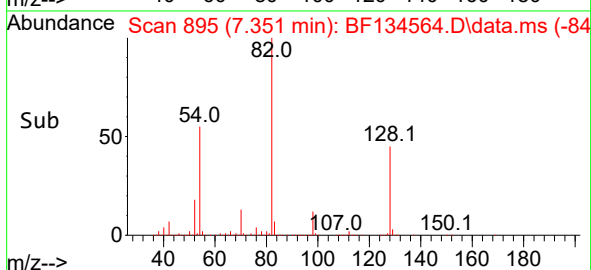
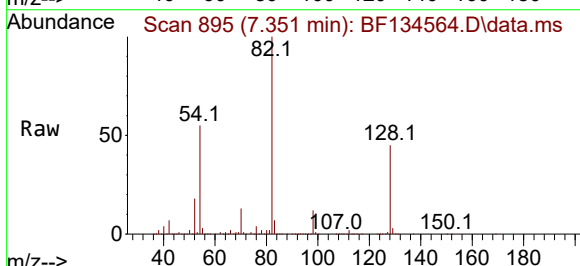
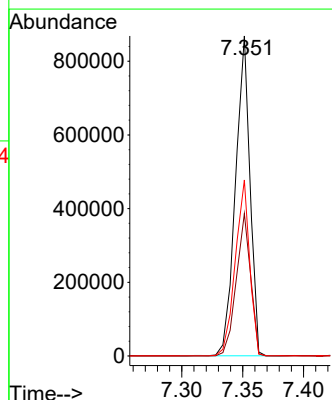
Tgt Ion: 82 Resp: 717569

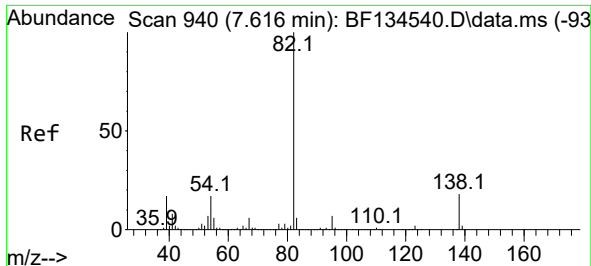
Ion Ratio Lower Upper

82 100

128 44.5 34.3 51.5

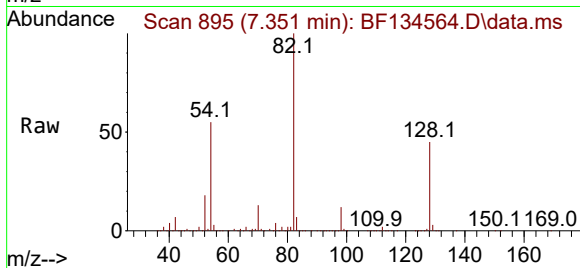
54 55.0 43.8 65.6



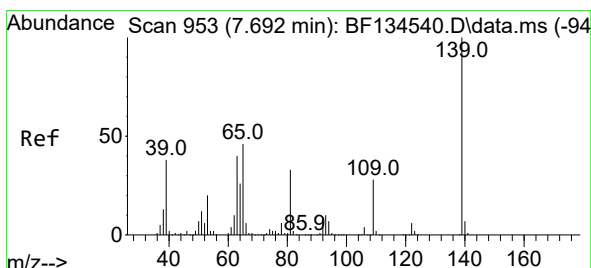
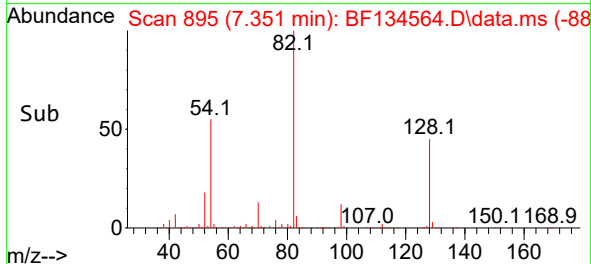
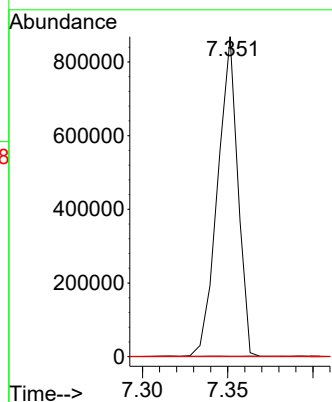


#25
Isophorone
Concen: 24.367 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.264 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

Instrument :
BNA_F
ClientSampleId :

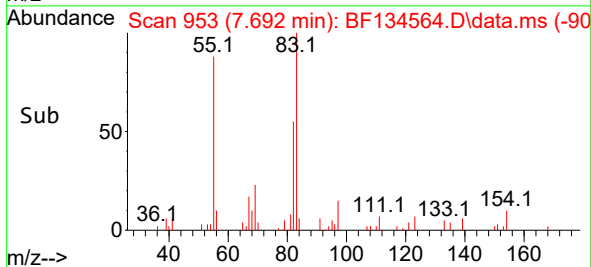
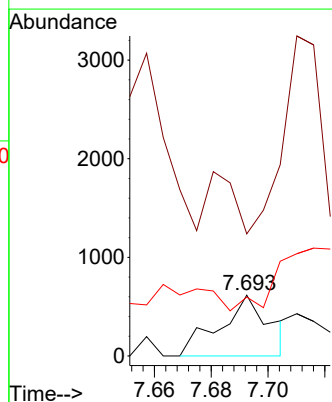
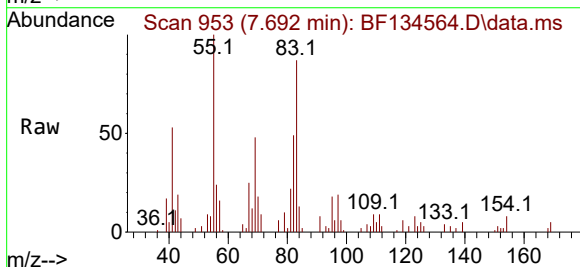


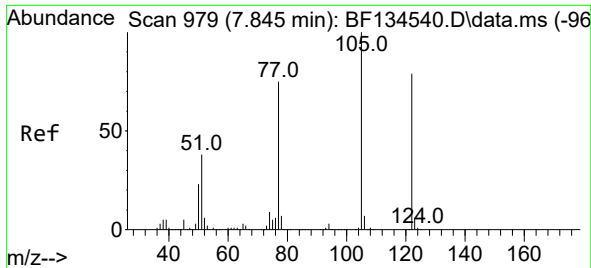
Tgt Ion: 82 Resp: 716159
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.902 ng
RT: 7.692 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

Tgt Ion:139 Resp: 755
Ion Ratio Lower Upper
139 100
109 200.8 29.8 44.6#
65 96.9 45.4 68.2#

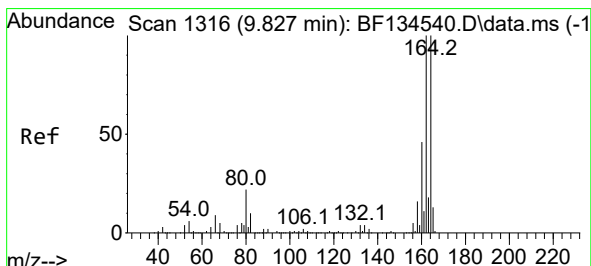
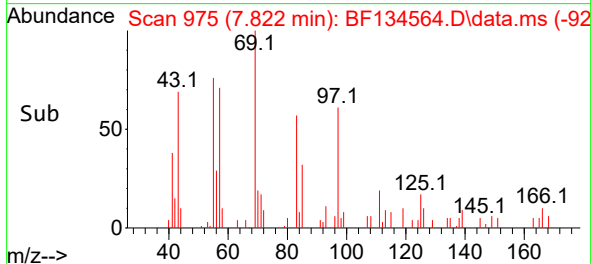
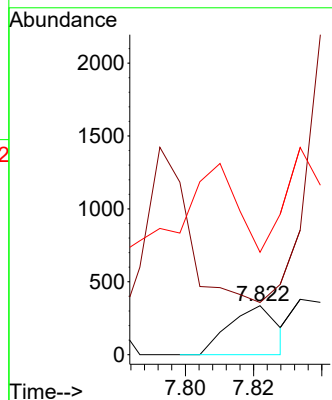
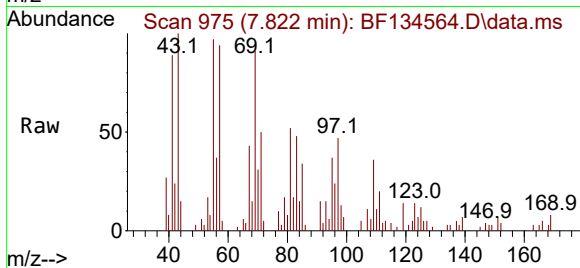




#32
Benzoic acid
Concen: 7.900 ng
RT: 7.822 min Scan# 91
Delta R.T. -0.023 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

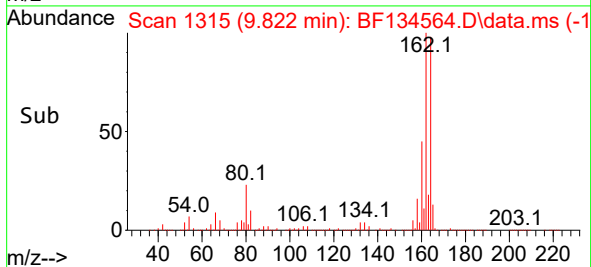
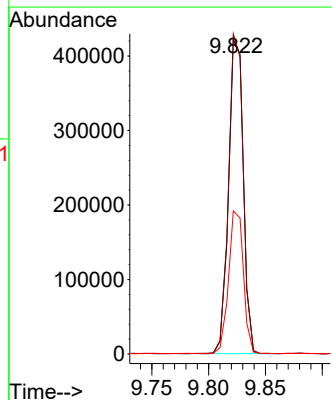
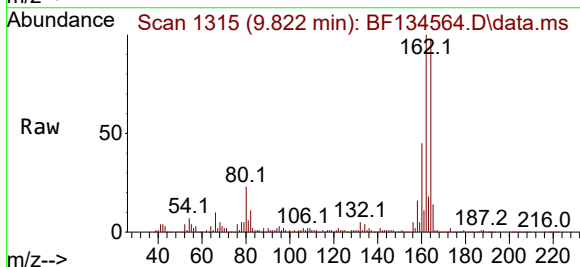
Instrument :
BNA_F
ClientSampleId :

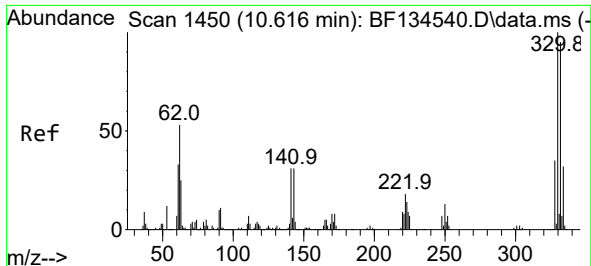
Tgt Ion:122 Resp: 332
Ion Ratio Lower Upper
122 100
105 106.5 87.5 127.5
77 208.9 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

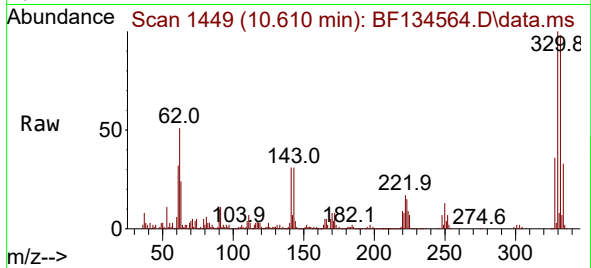
Tgt Ion:164 Resp: 380623
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 45.5 37.2 55.8



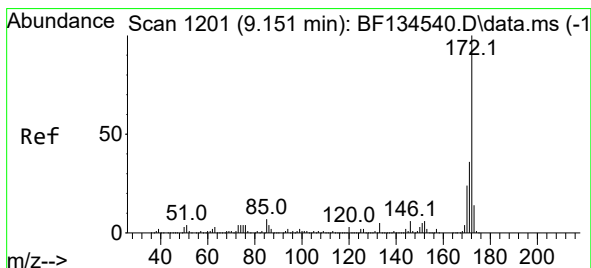
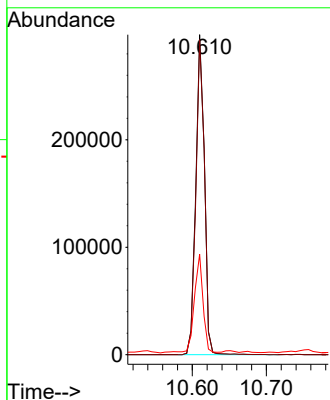
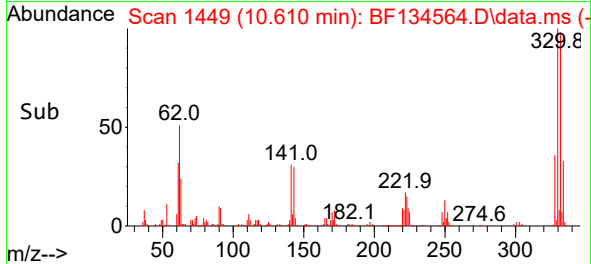


#42
2,4,6-Tribromophenol
Concen: 61.885 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

Instrument :
BNA_F
ClientSampleId :

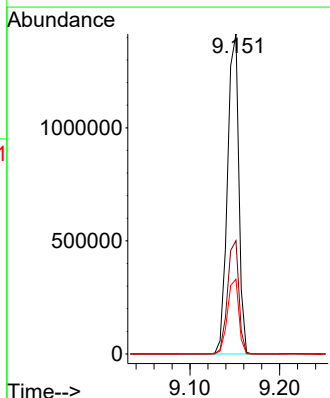
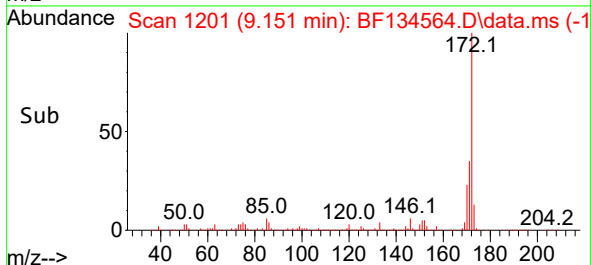
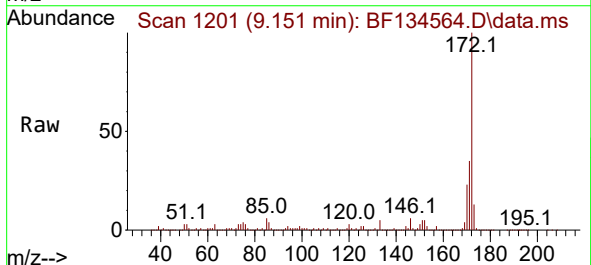


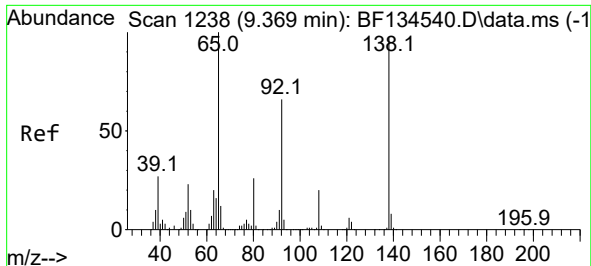
Tgt Ion:330 Resp: 240119
Ion Ratio Lower Upper
330 100
332 97.9 78.8 118.2
141 31.3 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 54.192 ng
RT: 9.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

Tgt Ion:172 Resp: 1240556
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.3 18.7 28.1

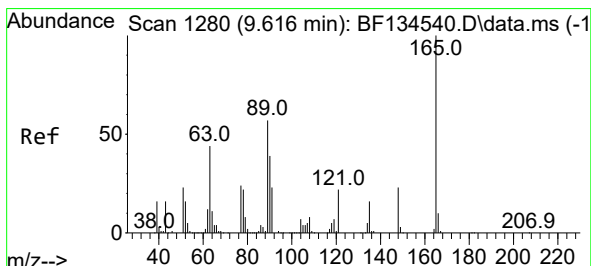
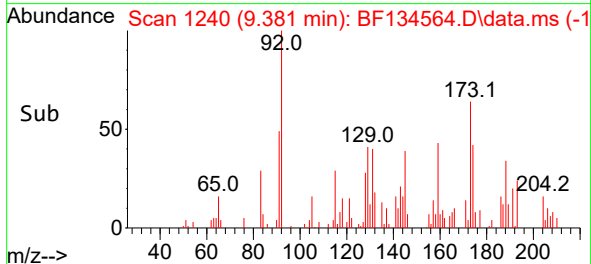
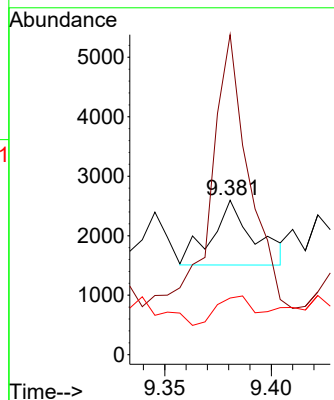
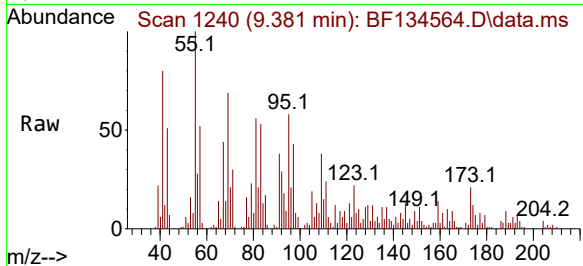




#48
2-Nitroaniline
Concen: 3.369 ng
RT: 9.381 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

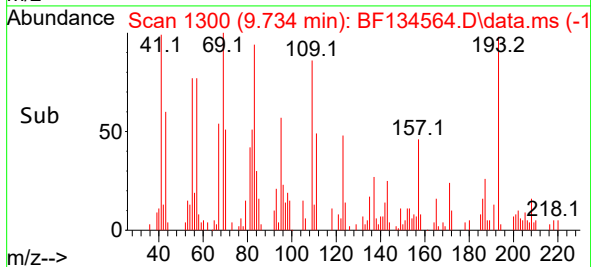
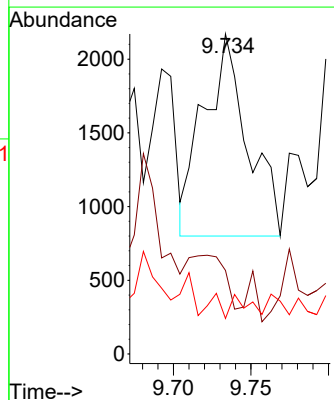
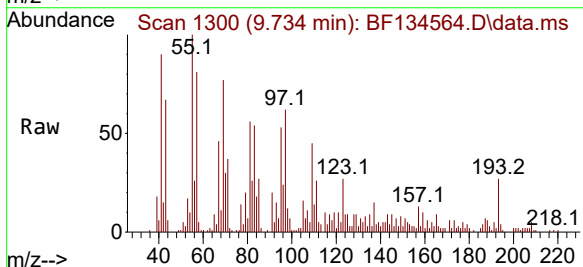
Instrument :
BNA_F
ClientSampleId :

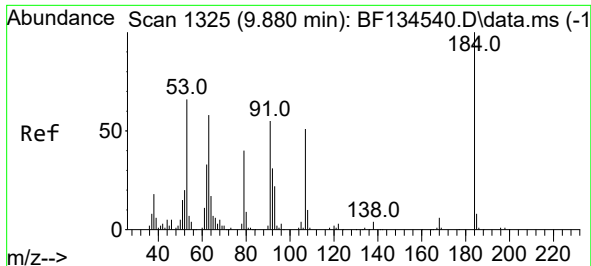
Tgt Ion: 65 Resp: 1500
Ion Ratio Lower Upper
65 100
92 207.2 50.7 76.1#
138 36.7 78.2 117.4#



#51
2,6-Dinitrotoluene
Concen: 2.976 ng
RT: 9.734 min Scan# 1300
Delta R.T. 0.118 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

Tgt Ion: 165 Resp: 2694
Ion Ratio Lower Upper
165 100
63 26.1 57.8 86.6#
89 11.1 51.8 77.8#





#54

2,4-Dinitrophenol

Concen: 6.824 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.064 min

Lab File: BF134564.D

Acq: 01 Aug 2023 23:37

Instrument :

BNA_F

ClientSampleId :

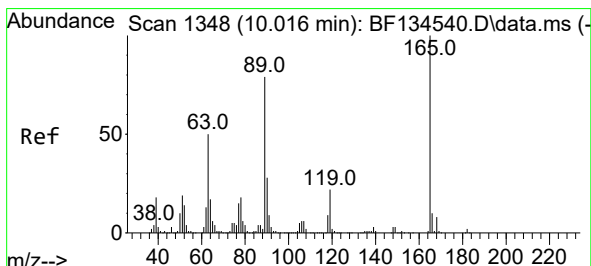
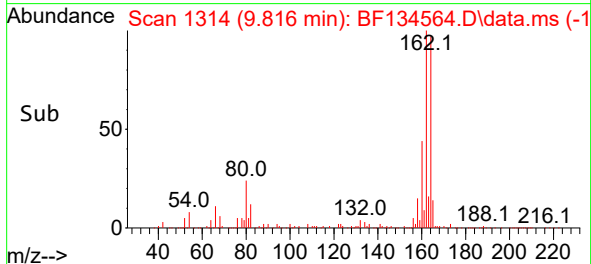
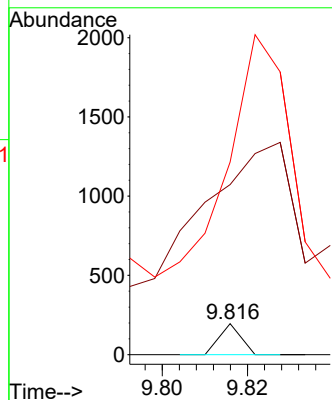
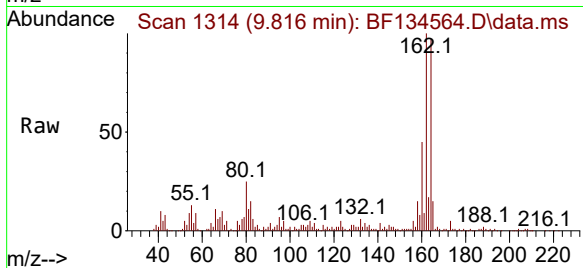
Tgt Ion:184 Resp: 69

Ion Ratio Lower Upper

184 100

63 547.4 57.1 85.7#

154 619.9 59.1 88.7#



#57

2,4-Dinitrotoluene

Concen: 3.149 ng

RT: 10.063 min Scan# 1356

Delta R.T. 0.047 min

Lab File: BF134564.D

Acq: 01 Aug 2023 23:37

Tgt Ion:165 Resp: 2036

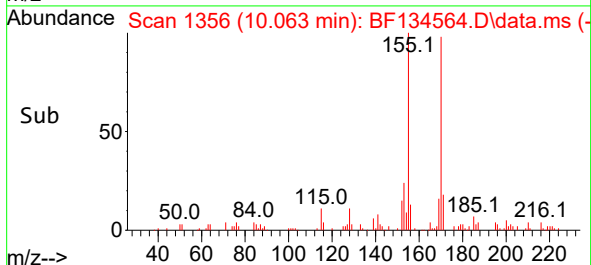
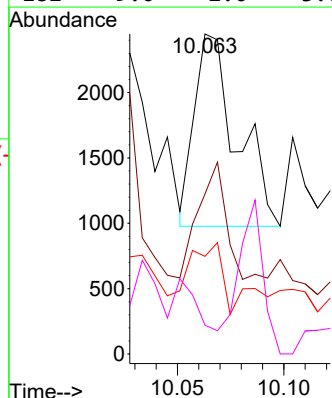
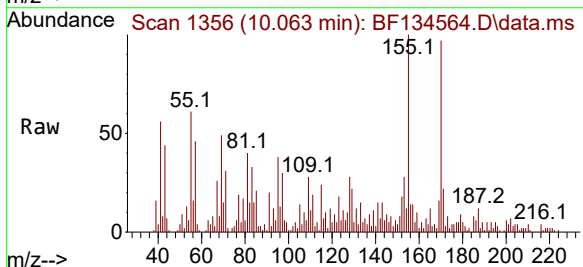
Ion Ratio Lower Upper

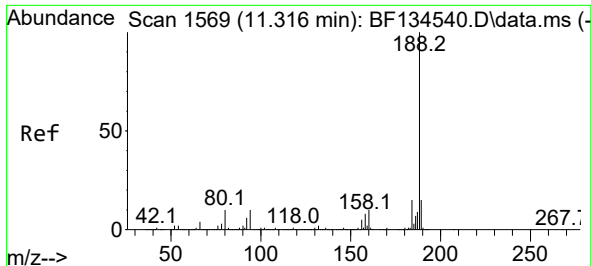
165 100

63 50.0 48.9 73.3

89 30.5 61.7 92.5#

182 9.0 2.0 3.0#

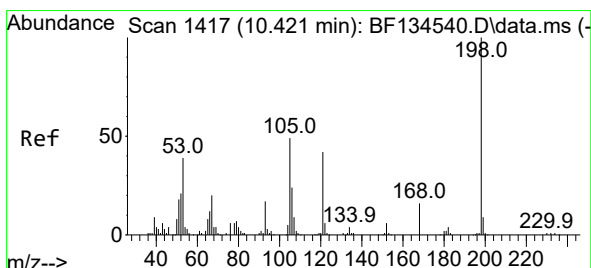
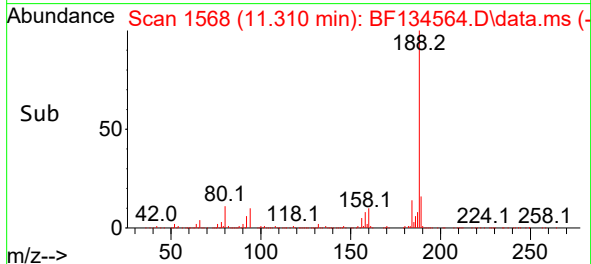
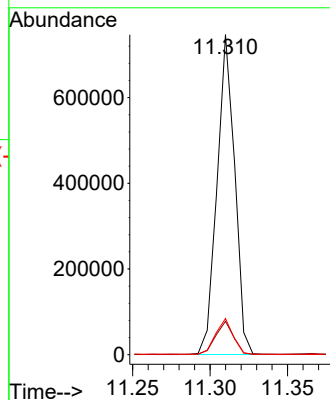
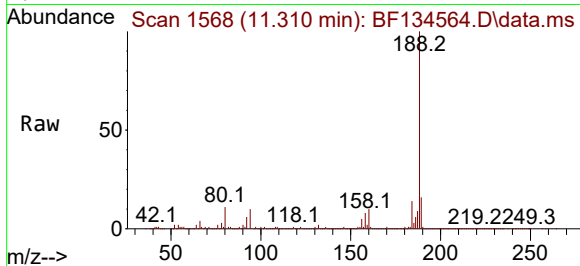




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

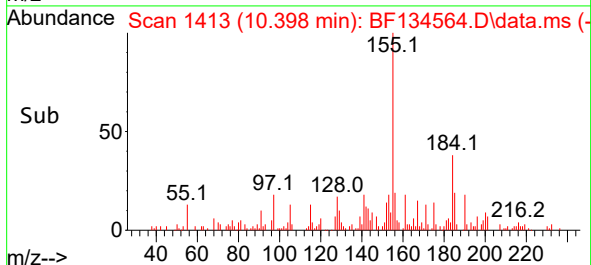
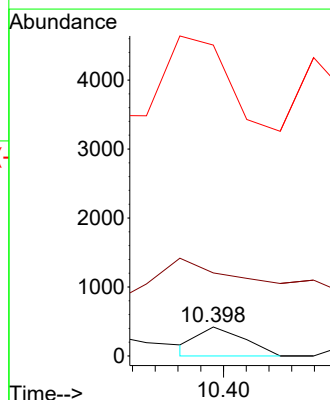
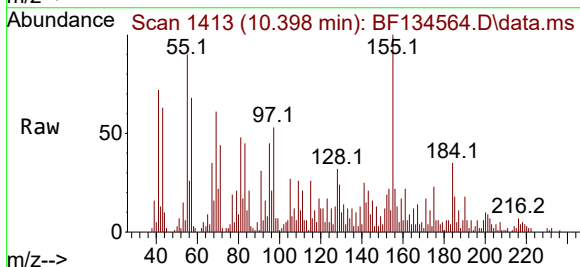
Instrument :
BNA_F
ClientSampleId :

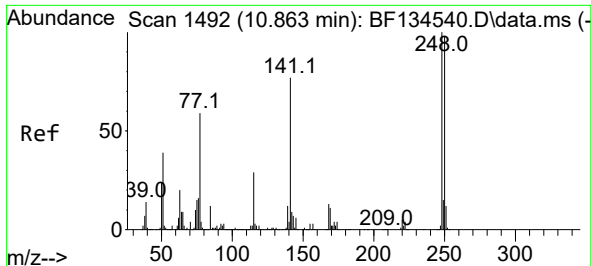
Tgt Ion:188 Resp: 592394
Ion Ratio Lower Upper
188 100
94 10.5 5.1 7.7#
80 11.3 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.778 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.023 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

Tgt Ion:198 Resp: 231
Ion Ratio Lower Upper
198 100
51 287.1 38.6 78.6#
105 1075.7 27.9 67.9#

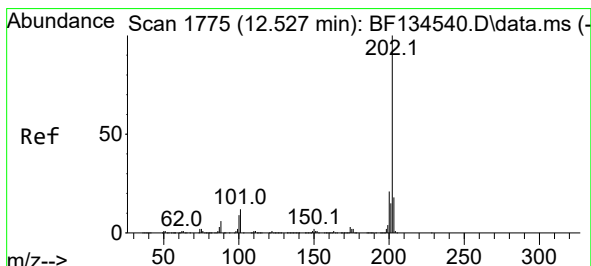
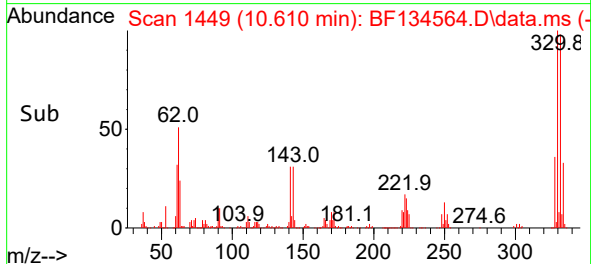
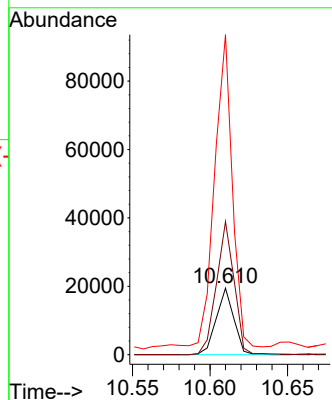
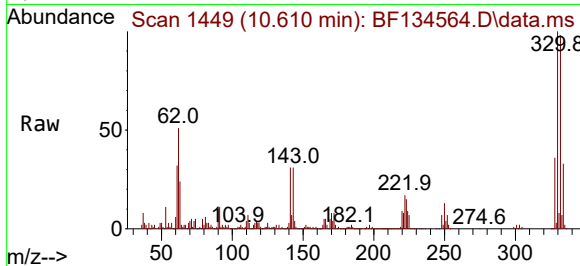




#67
4-Bromophenyl-phenylether
Concen: 2.379 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

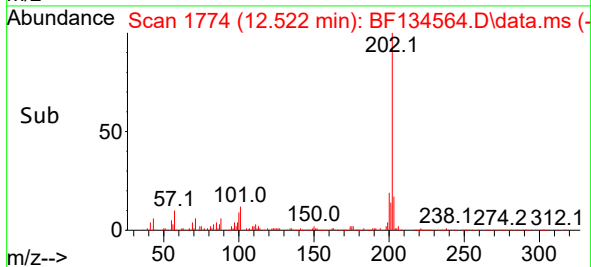
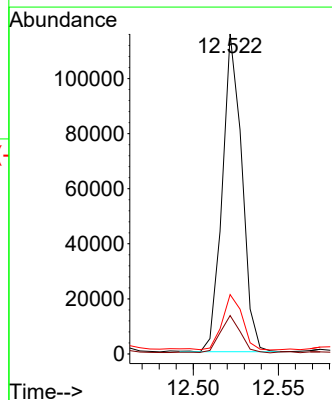
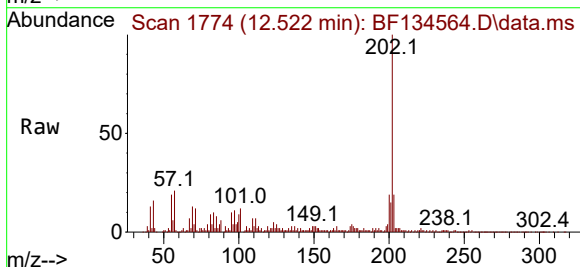
Instrument :
BNA_F
ClientSampleId :

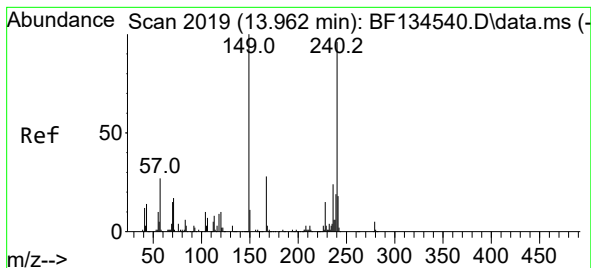
Tgt Ion:248 Resp: 15425
Ion Ratio Lower Upper
248 100
250 199.8 79.6 119.4#
141 480.1 59.6 89.4#



#75
Fluoranthene
Concen: 2.780 ng
RT: 12.522 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF134564.D
Acq: 01 Aug 2023 23:37

Tgt Ion:202 Resp: 92392
Ion Ratio Lower Upper
202 100
101 12.0 0.0 28.5
203 18.6 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF134564.D

Acq: 01 Aug 2023 23:37

Instrument :

BNA_F

ClientSampleId :

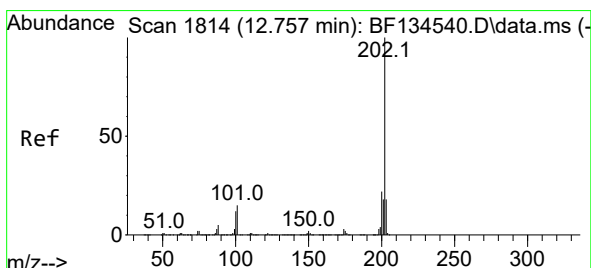
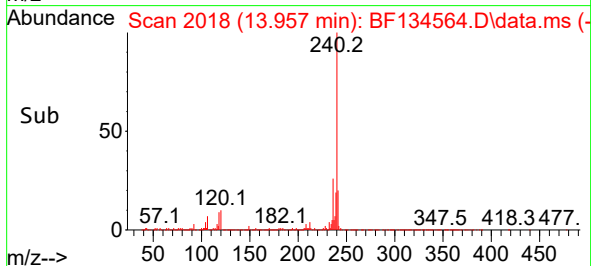
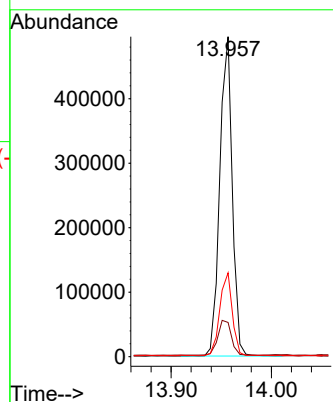
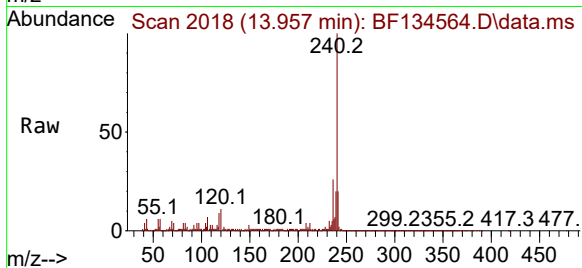
Tgt Ion:240 Resp: 426892

Ion Ratio Lower Upper

240 100

120 10.7 6.6 10.0#

236 26.2 20.2 30.2



#78

Pyrene

Concen: 2.349 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF134564.D

Acq: 01 Aug 2023 23:37

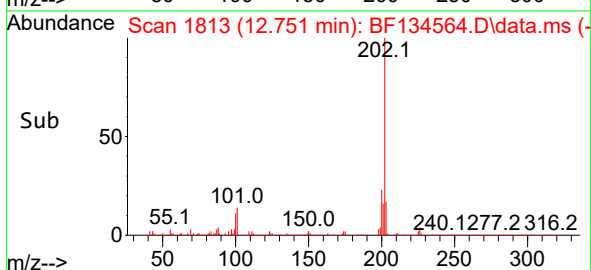
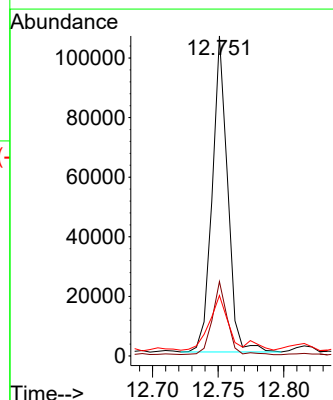
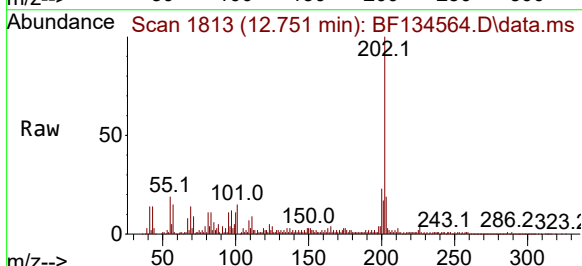
Tgt Ion:202 Resp: 86762

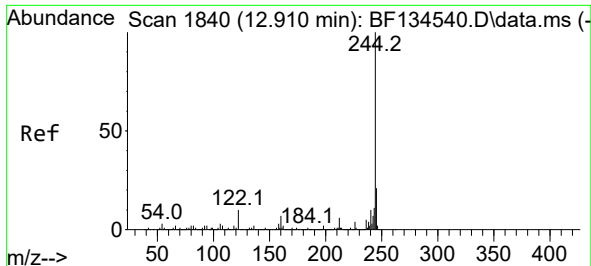
Ion Ratio Lower Upper

202 100

200 23.3 15.8 23.8

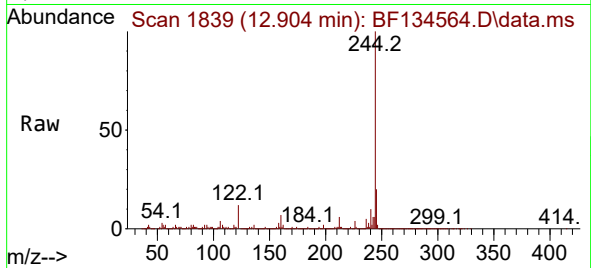
203 18.9 13.5 20.3



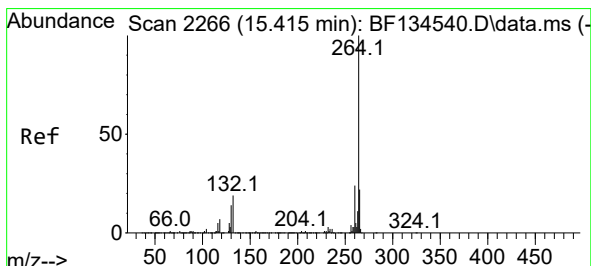
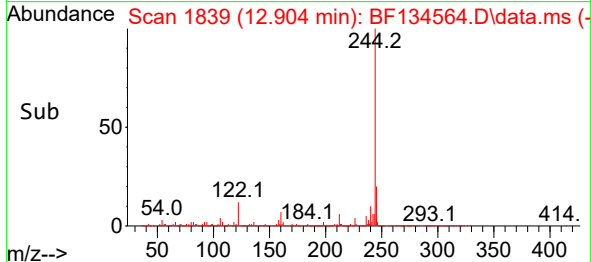
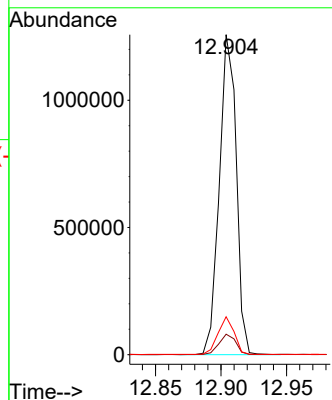


#79
 Terphenyl-d14
 Concen: 46.497 ng
 RT: 12.904 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134564.D
 Acq: 01 Aug 2023 23:37

Instrument :
 BNA_F
 ClientSampleId :

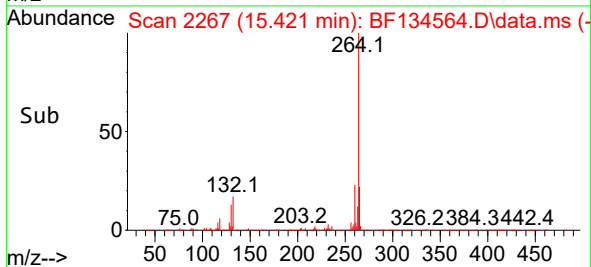
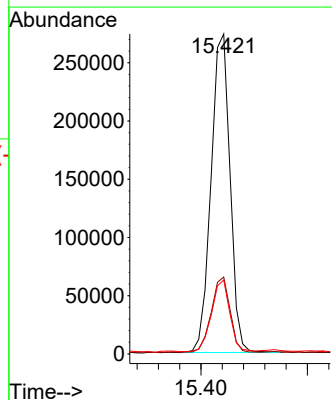
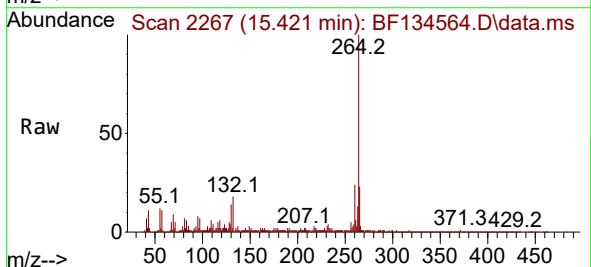


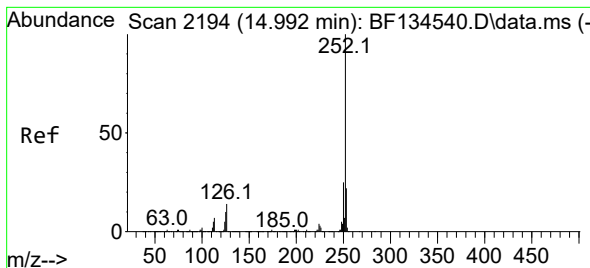
Tgt Ion:244 Resp: 1125957
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 11.9 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.421 min Scan# 2267
 Delta R.T. 0.006 min
 Lab File: BF134564.D
 Acq: 01 Aug 2023 23:37

Tgt Ion:264 Resp: 337949
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.4 27.6
 265 23.1 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 2.331 ng

RT: 14.992 min Scan# 2194

Delta R.T. 0.000 min

Lab File: BF134564.D

Acq: 01 Aug 2023 23:37

Instrument :

BNF

ClientSampleId :

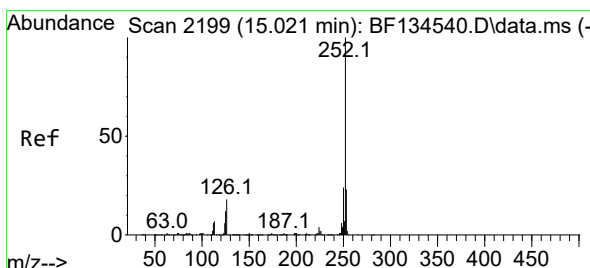
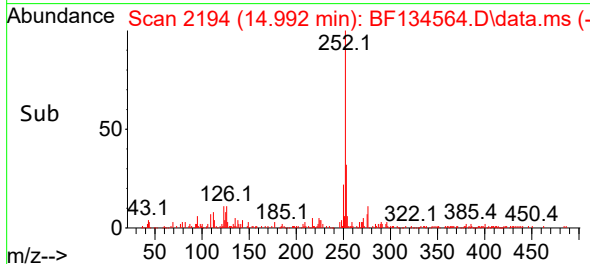
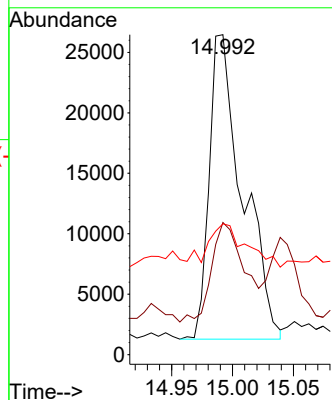
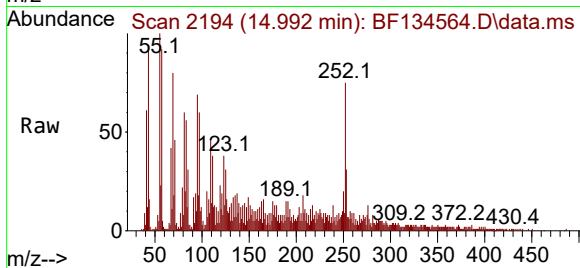
Tgt Ion:252 Resp: 48046

Ion Ratio Lower Upper

252 100

253 41.3 17.3 25.9#

125 40.9 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 2.340 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.029 min

Lab File: BF134564.D

Acq: 01 Aug 2023 23:37

Tgt Ion:252 Resp: 48046

Ion Ratio Lower Upper

252 100

253 41.3 17.9 26.9#

125 40.9 6.3 9.5#

