

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081423\
 Data File : BF134770.D
 Acq On : 14 Aug 2023 20:54
 Operator : CG\JU
 Sample : 03972-01 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 367

Quant Time: Aug 15 00:34:46 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)

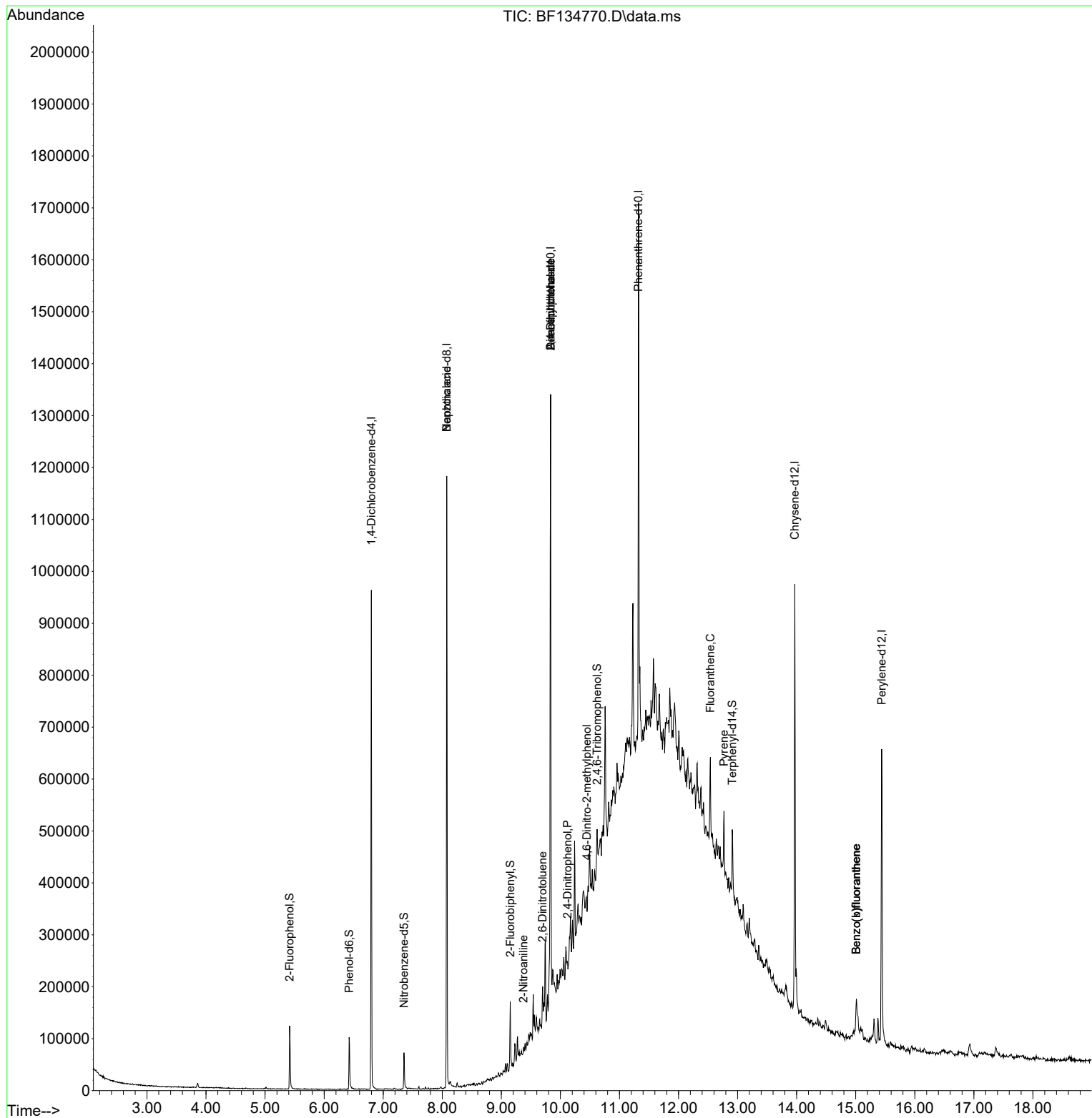
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	131354	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	477327	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	232588	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	380958	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	252337	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	267588	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	35143	4.067	ng	-0.01
7) Phenol-d6	6.422	99	37968	3.437	ng	-0.02
23) Nitrobenzene-d5	7.351	82	23210	3.039	ng	-0.02
42) 2,4,6-Tribromophenol	10.622	330	9809	4.137	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	42194	3.016	ng	-0.01
79) Terphenyl-d14	12.910	244	37132	2.594	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.428	77	64	Below Cal	#	3
32) Benzoic acid	8.075	122	93	7.883	ng	# 1
48) 2-Nitroaniline	9.375	65	135	3.196	ng	# 78
50) Dimethylphthalate	9.834	163	47465	2.994	ng	# 1
51) 2,6-Dinitrotoluene	9.698	165	1503	2.934	ng	# 29
54) 2,4-Dinitrophenol	10.122	184	69	6.852	ng	# 1
57) 2,4-Dinitrotoluene	9.834	165	32580	10.662	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.445	198	185	8.797	ng	# 1
75) Fluoranthene	12.539	202	63351	2.964	ng	97
78) Pyrene	12.769	202	54637	2.502	ng	95
88) Benzo(b)fluoranthene	15.010	252	47818	2.930	ng	# 91
89) Benzo(k)fluoranthene	15.010	252	47818	2.941	ng	# 92

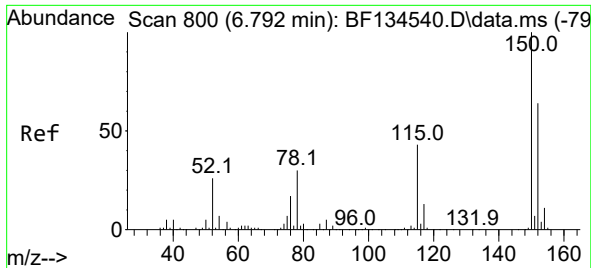
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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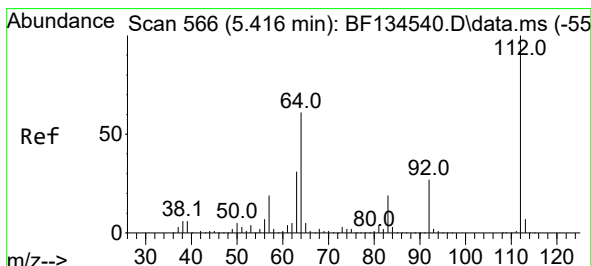
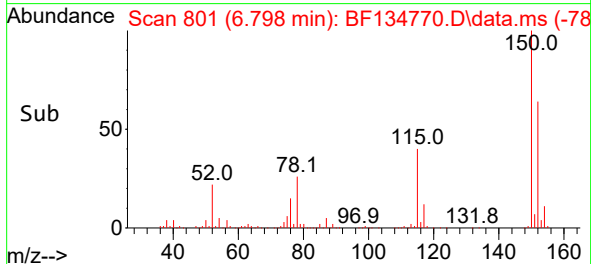
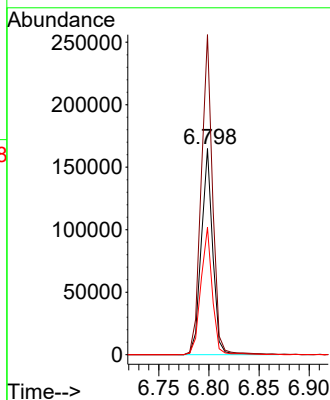
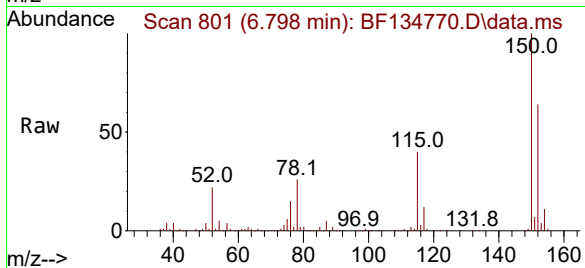




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134770.D
Acq: 14 Aug 2023 20:54

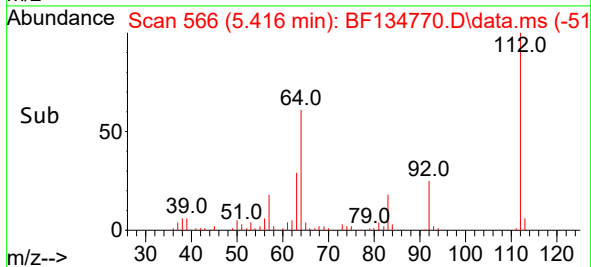
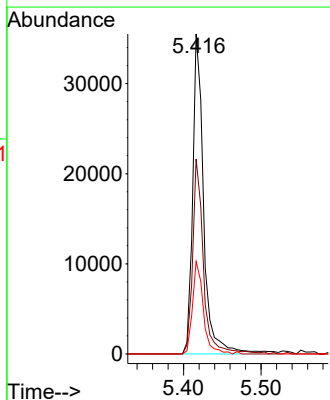
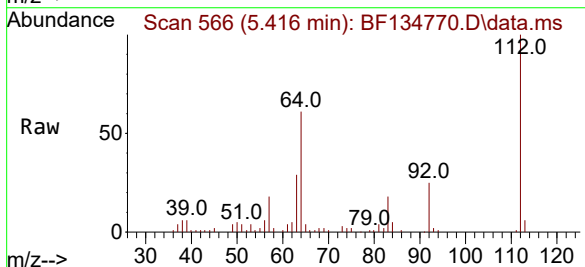
Instrument :
BNA_F
ClientSampleId :
367

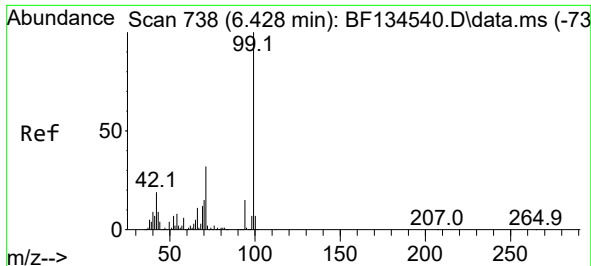
Tgt Ion:152 Resp: 131354
Ion Ratio Lower Upper
152 100
150 155.3 128.3 192.5
115 61.7 52.4 78.6



#5
2-Fluorophenol
Concen: 4.067 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF134770.D
Acq: 14 Aug 2023 20:54

Tgt Ion:112 Resp: 35143
Ion Ratio Lower Upper
112 100
64 60.9 44.9 67.3
63 28.9 25.4 38.0





#7

Phenol-d6

Concen: 3.437 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.017 min

Lab File: BF134770.D

Acq: 14 Aug 2023 20:54

Instrument :

BNA_F

ClientSampleId :

367

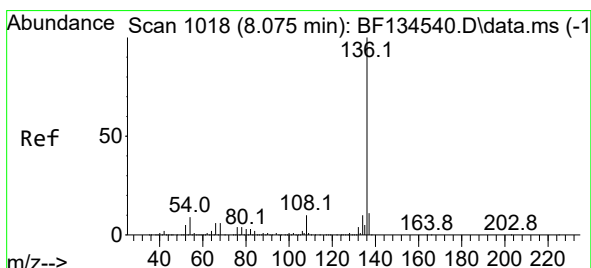
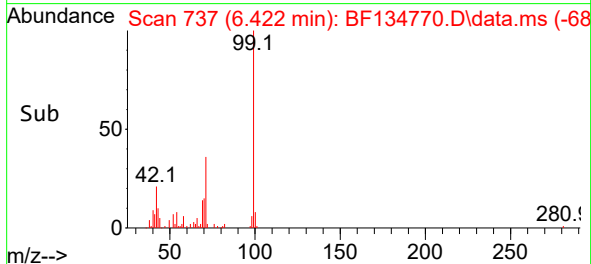
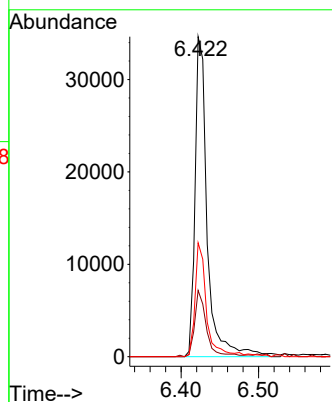
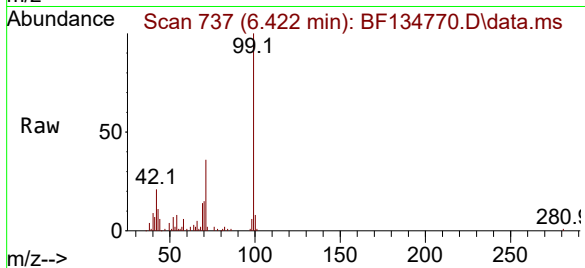
Tgt Ion: 99 Resp: 37968

Ion Ratio Lower Upper

99 100

42 20.7 18.7 28.1

71 35.6 36.4 54.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF134770.D

Acq: 14 Aug 2023 20:54

Tgt Ion: 136 Resp: 477327

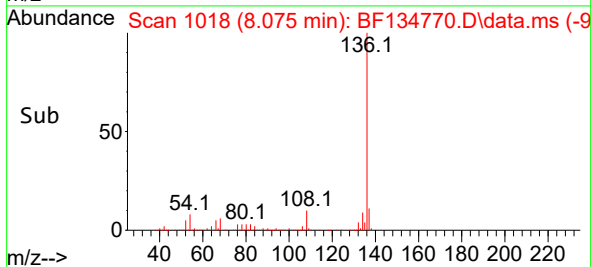
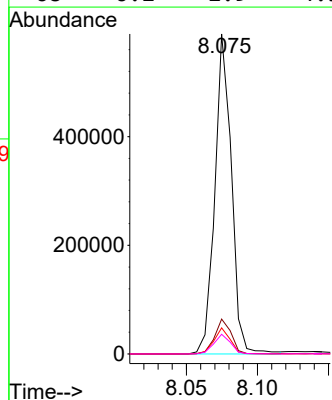
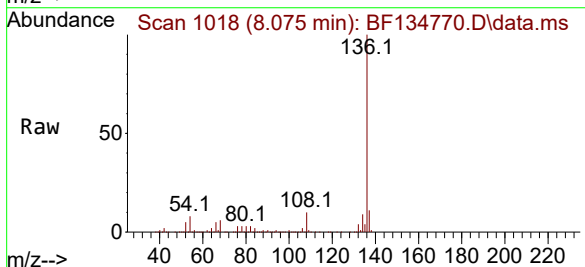
Ion Ratio Lower Upper

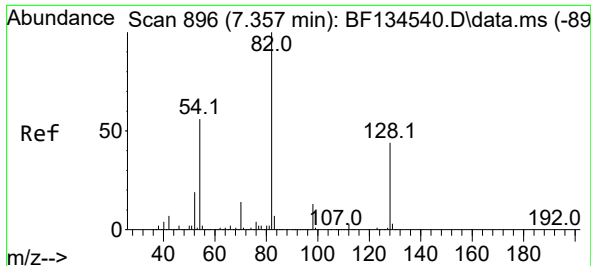
136 100

137 10.9 8.4 12.6

54 8.2 5.2 7.8#

68 6.2 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 3.039 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.017 min

Lab File: BF134770.D

Acq: 14 Aug 2023 20:54

Instrument :

BNA_F

ClientSampleId :

367

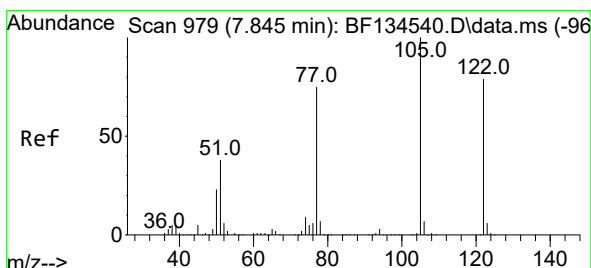
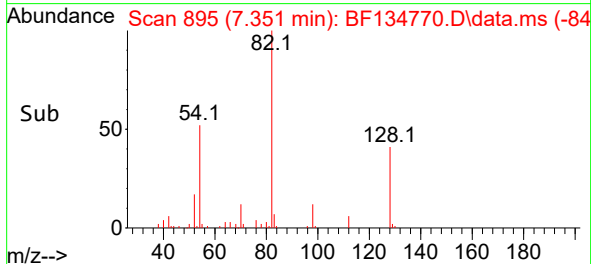
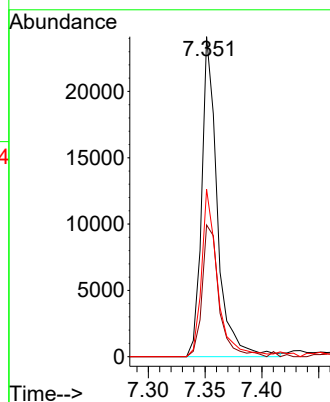
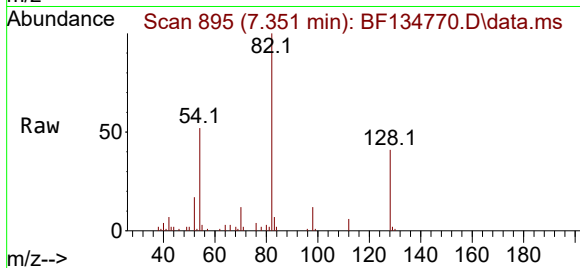
Tgt Ion: 82 Resp: 23210

Ion Ratio Lower Upper

82 100

128 41.1 34.3 51.5

54 52.3 43.8 65.6



#32

Benzoic acid

Concen: 7.883 ng

RT: 8.075 min Scan# 1018

Delta R.T. 0.212 min

Lab File: BF134770.D

Acq: 14 Aug 2023 20:54

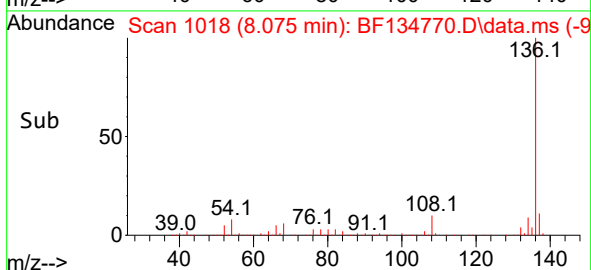
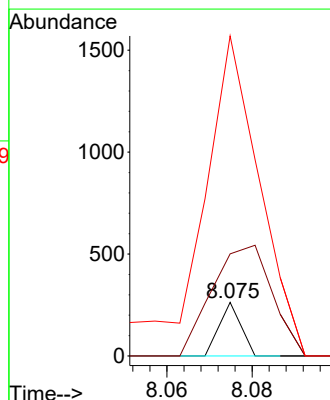
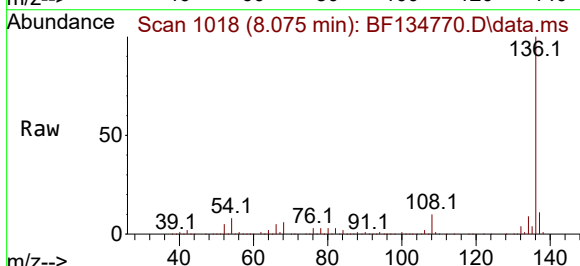
Tgt Ion:122 Resp: 93

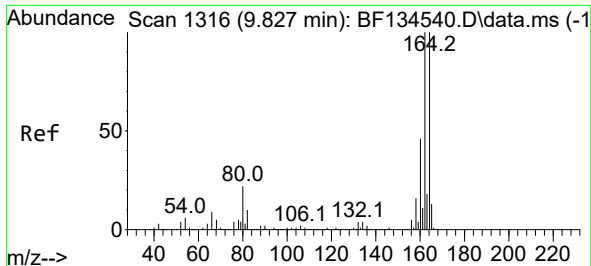
Ion Ratio Lower Upper

122 100

105 190.5 87.5 127.5#

77 597.0 71.4 111.4#

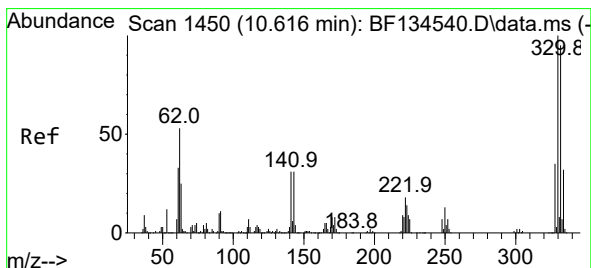
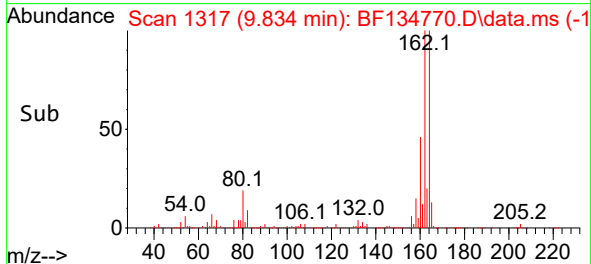
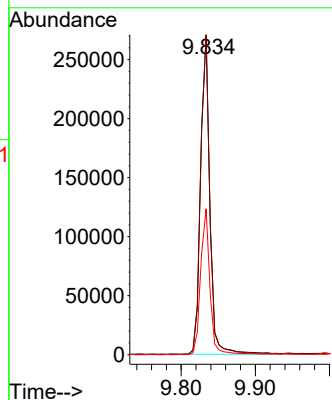
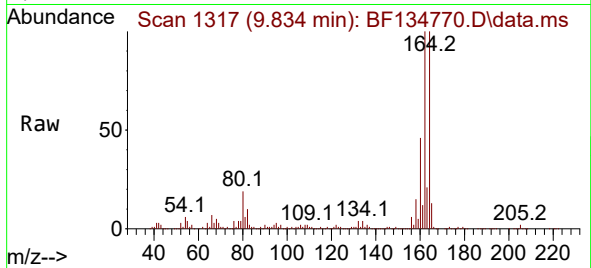




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134770.D
Acq: 14 Aug 2023 20:54

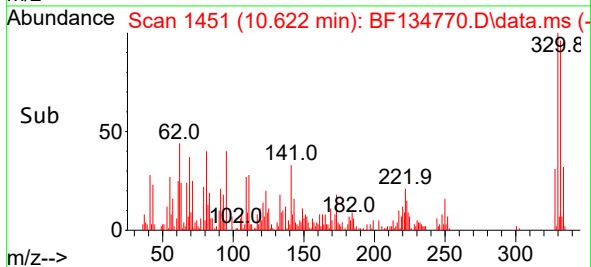
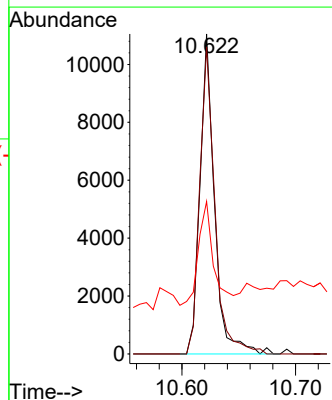
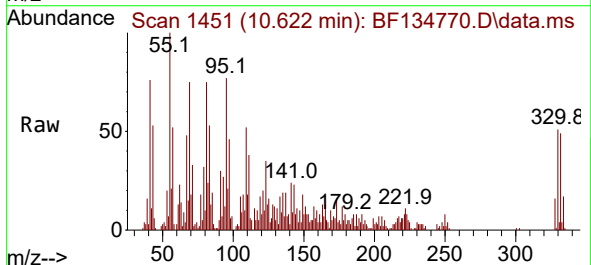
Instrument :
BNA_F
ClientSampleId :
367

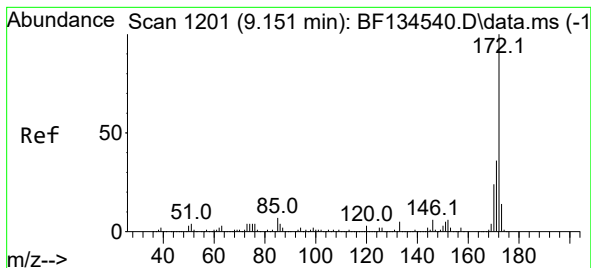
Tgt Ion:164 Resp: 232588
Ion Ratio Lower Upper
164 100
162 100.1 82.6 123.8
160 45.7 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 4.137 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134770.D
Acq: 14 Aug 2023 20:54

Tgt Ion:330 Resp: 9809
Ion Ratio Lower Upper
330 100
332 100.6 78.8 118.2
141 33.7 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 3.016 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134770.D

Acq: 14 Aug 2023 20:54

Instrument :

BNA_F

ClientSampleId :

367

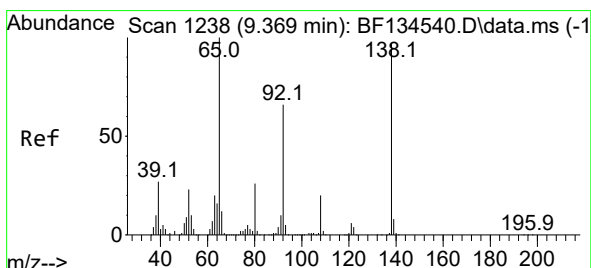
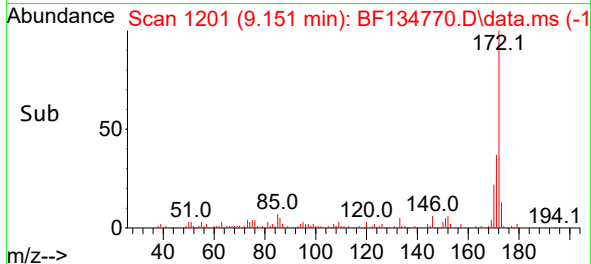
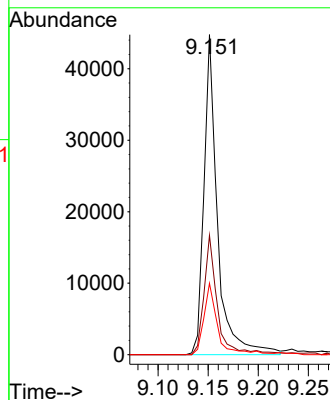
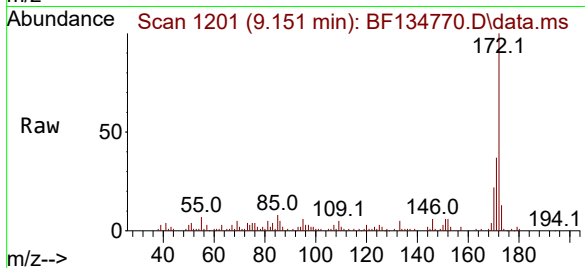
Tgt Ion:172 Resp: 42194

Ion Ratio Lower Upper

172 100

171 37.3 28.8 43.2

170 22.3 18.7 28.1



#48

2-Nitroaniline

Concen: 3.196 ng

RT: 9.375 min Scan# 1239

Delta R.T. -0.006 min

Lab File: BF134770.D

Acq: 14 Aug 2023 20:54

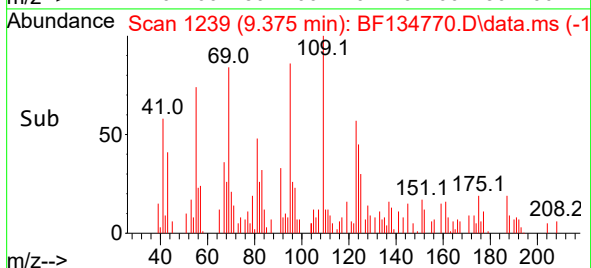
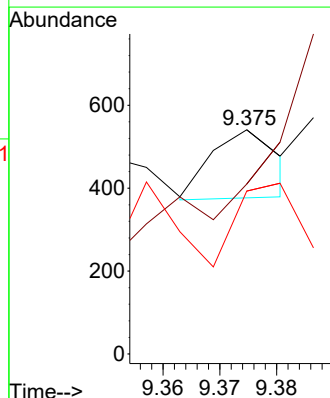
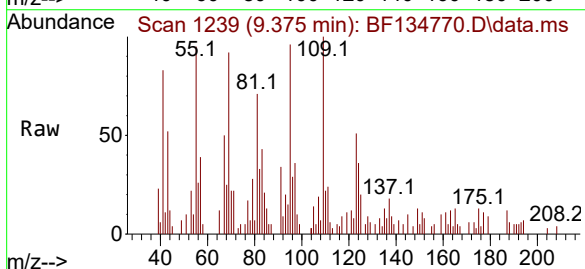
Tgt Ion: 65 Resp: 135

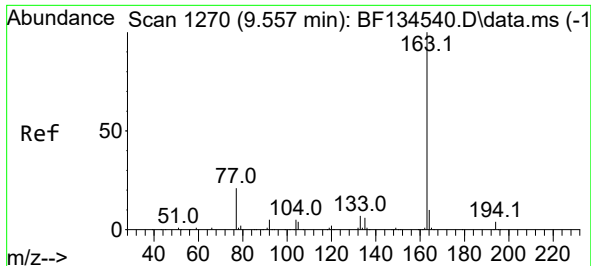
Ion Ratio Lower Upper

65 100

92 75.8 50.7 76.1

138 72.6 78.2 117.4#

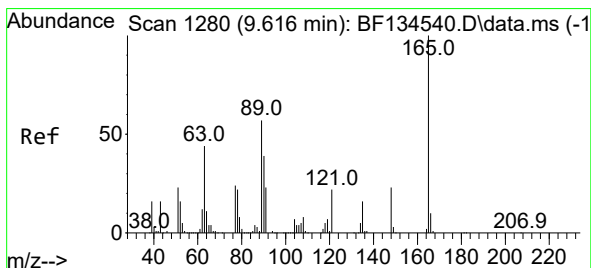
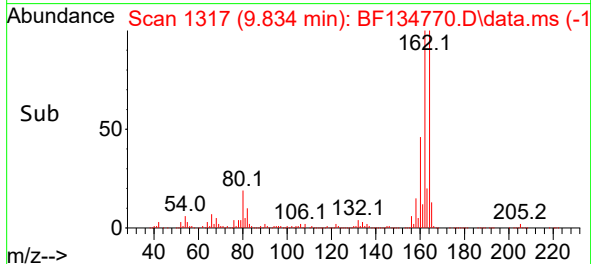
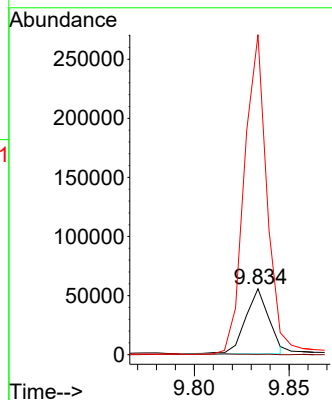
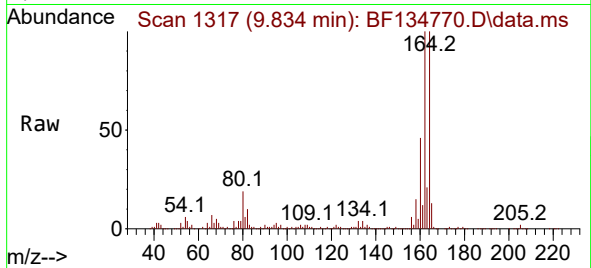




#50
Dimethylphthalate
Concen: 2.994 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF134770.D
Acq: 14 Aug 2023 20:54

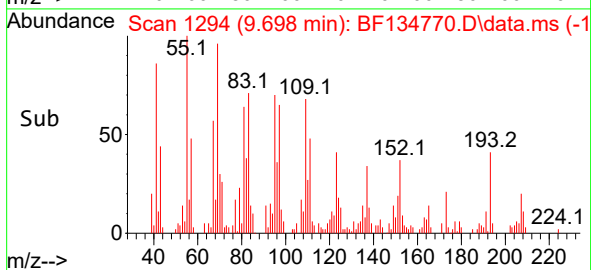
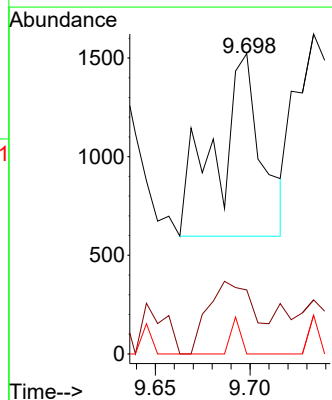
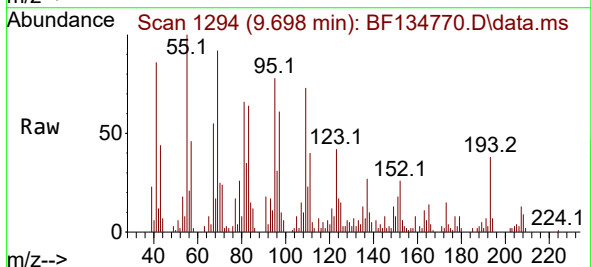
Instrument :
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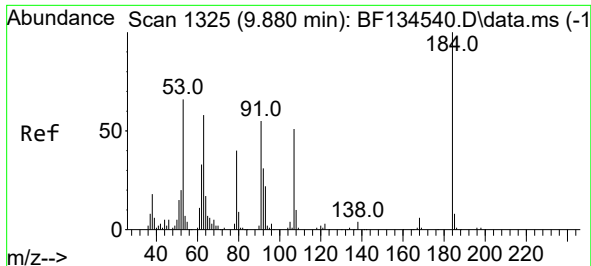
Tgt Ion:163 Resp: 47465
Ion Ratio Lower Upper
163 100
194 0.4 3.3 4.9#
164 485.3 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 2.934 ng
RT: 9.698 min Scan# 1294
Delta R.T. 0.071 min
Lab File: BF134770.D
Acq: 14 Aug 2023 20:54

Tgt Ion:165 Resp: 1503
Ion Ratio Lower Upper
165 100
63 21.3 57.8 86.6#
89 0.0 51.8 77.8#

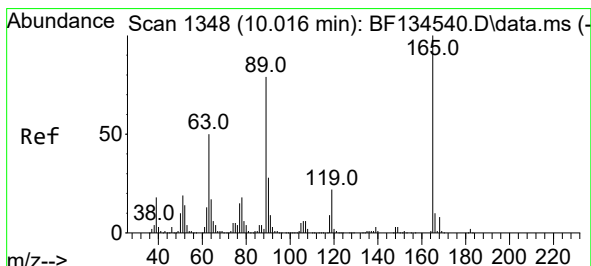
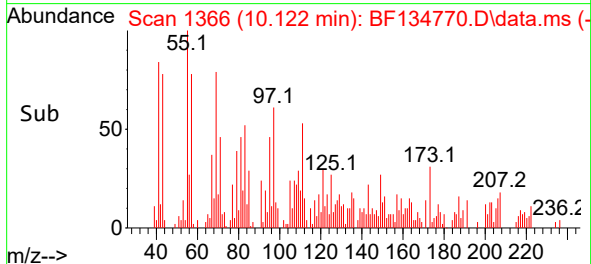
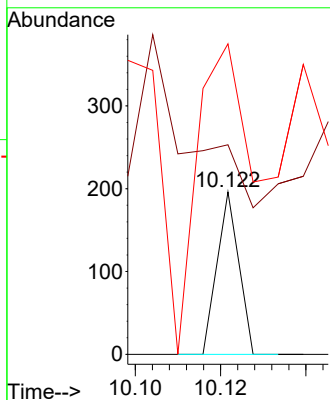
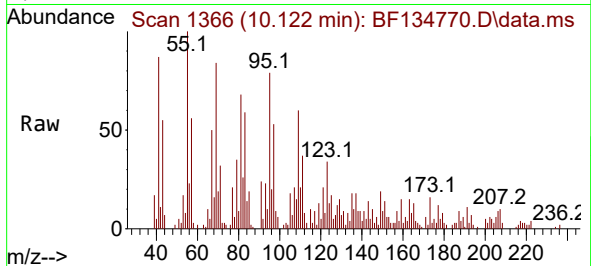




#54
2,4-Dinitrophenol
Concen: 6.852 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF134770.D
Acq: 14 Aug 2023 20:54

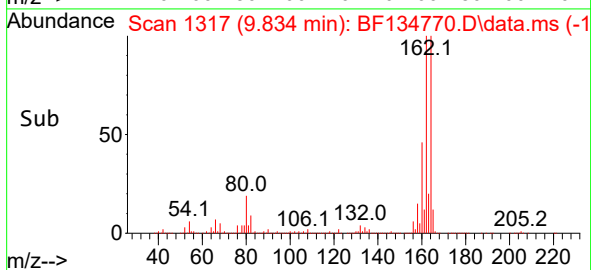
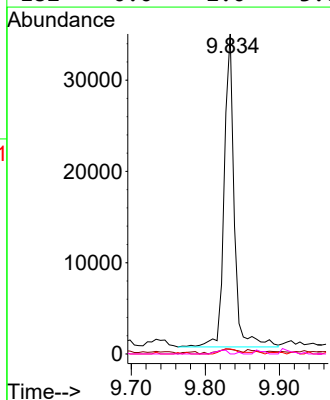
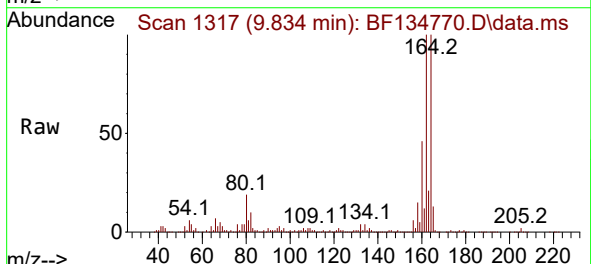
Instrument :
BNA_F
ClientSampleId :
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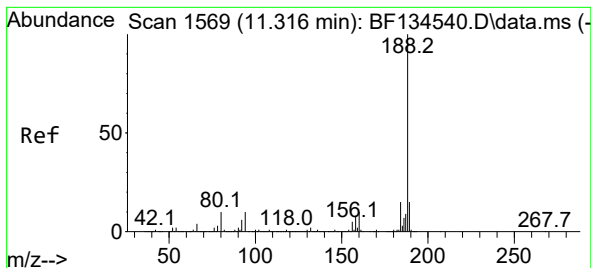
Tgt Ion:184 Resp: 69
Ion Ratio Lower Upper
184 100
63 129.1 57.1 85.7#
154 191.3 59.1 88.7#



#57
2,4-Dinitrotoluene
Concen: 10.662 ng
RT: 9.834 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF134770.D
Acq: 14 Aug 2023 20:54

Tgt Ion:165 Resp: 32580
Ion Ratio Lower Upper
165 100
63 1.5 48.9 73.3#
89 1.6 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134770.D

Acq: 14 Aug 2023 20:54

Instrument :

BNA_F

ClientSampleId :

367

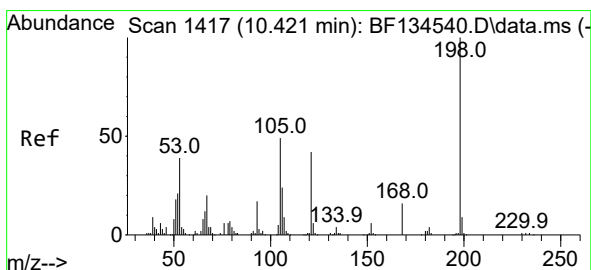
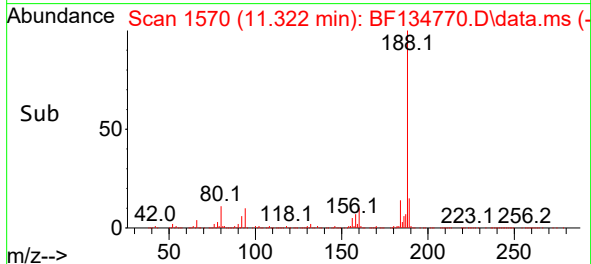
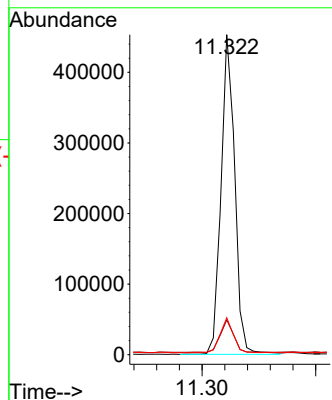
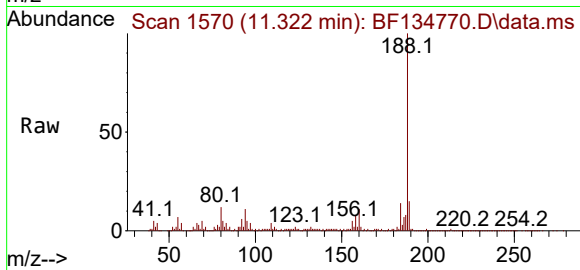
Tgt Ion:188 Resp: 380958

Ion Ratio Lower Upper

188 100

94 10.9 5.1 7.7#

80 11.5 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.797 ng

RT: 10.445 min Scan# 1421

Delta R.T. 0.006 min

Lab File: BF134770.D

Acq: 14 Aug 2023 20:54

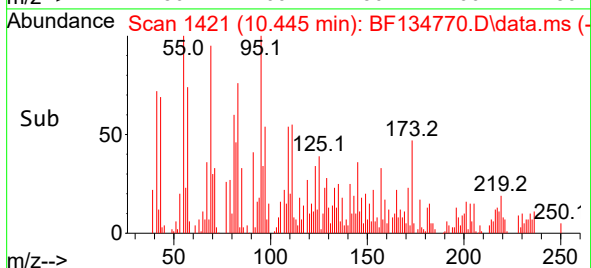
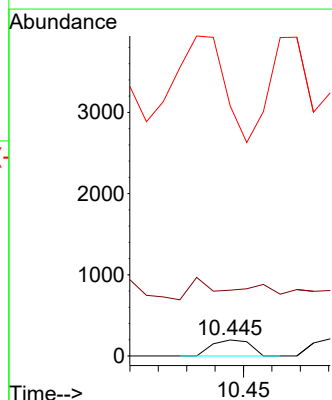
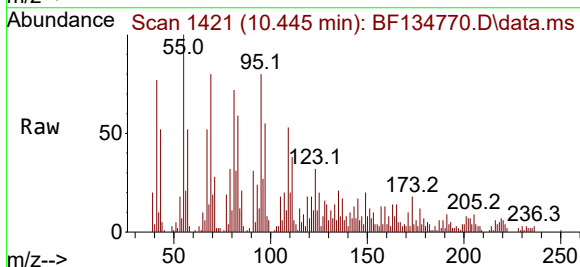
Tgt Ion:198 Resp: 185

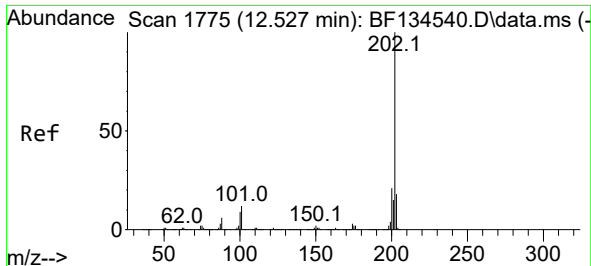
Ion Ratio Lower Upper

198 100

51 409.1 38.6 78.6#

105 1556.6 27.9 67.9#

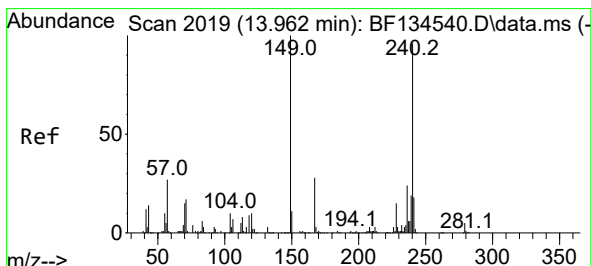
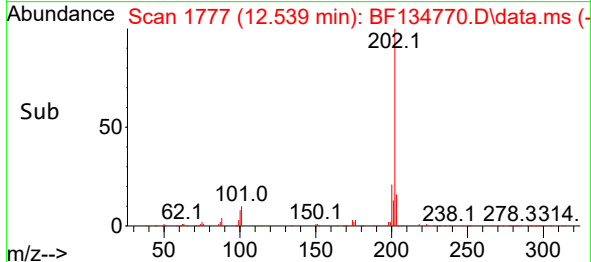
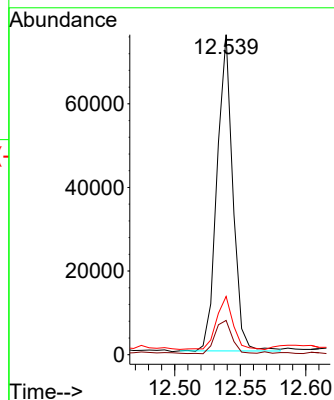
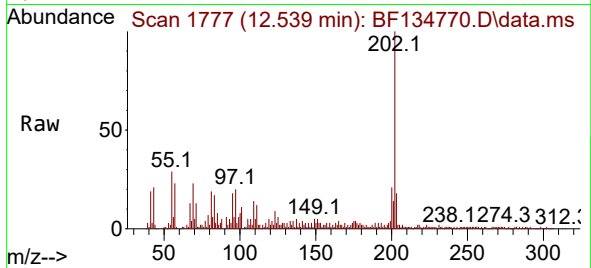




#75
Fluoranthene
Concen: 2.964 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134770.D
Acq: 14 Aug 2023 20:54

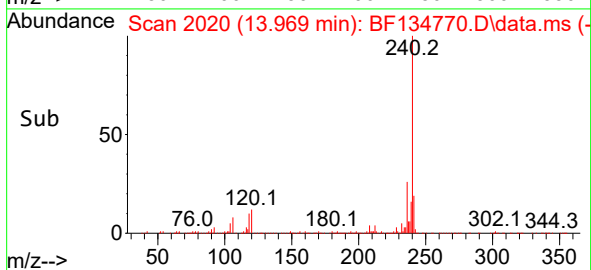
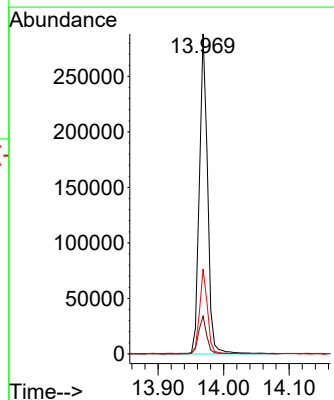
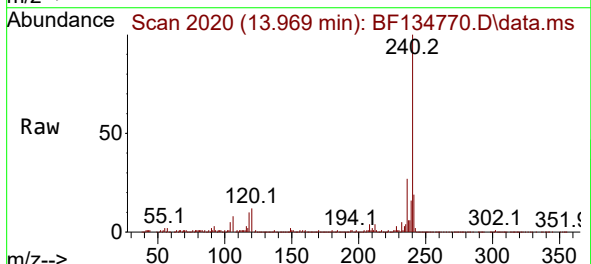
Instrument :
BNA_F
ClientSampleId :
367

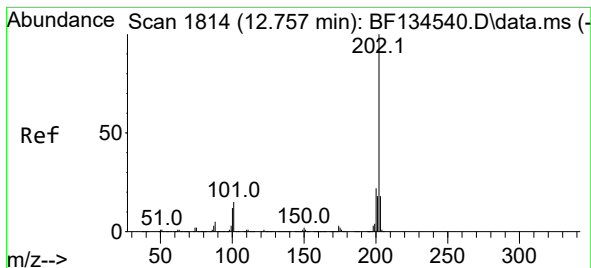
Tgt Ion:202 Resp: 63351
Ion Ratio Lower Upper
202 100
101 10.7 0.0 28.5
203 18.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134770.D
Acq: 14 Aug 2023 20:54

Tgt Ion:240 Resp: 252337
Ion Ratio Lower Upper
240 100
120 11.8 6.6 10.0#
236 26.5 20.2 30.2





#78

Pyrene

Concen: 2.502 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134770.D

Acq: 14 Aug 2023 20:54

Instrument :

BNA_F

ClientSampleId :

367

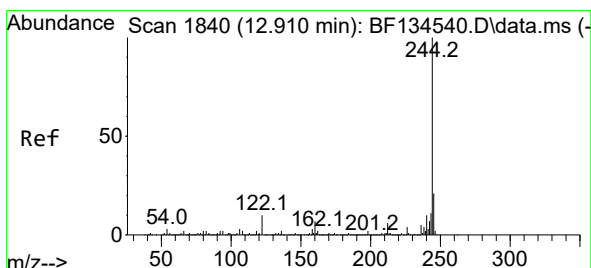
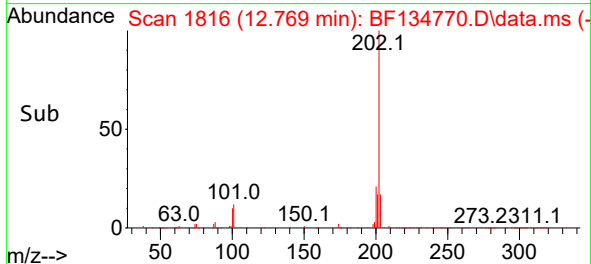
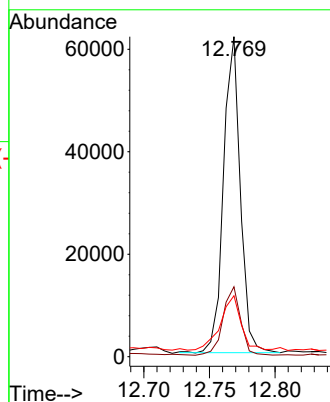
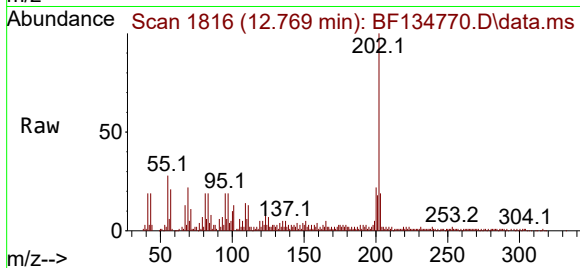
Tgt Ion:202 Resp: 54637

Ion Ratio Lower Upper

202 100

200 21.9 15.8 23.8

203 19.1 13.5 20.3



#79

Terphenyl-d14

Concen: 2.594 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.012 min

Lab File: BF134770.D

Acq: 14 Aug 2023 20:54

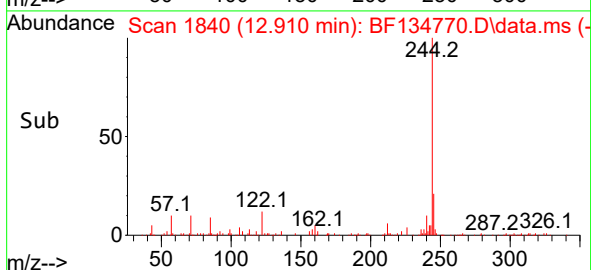
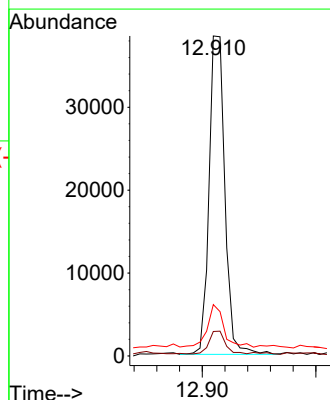
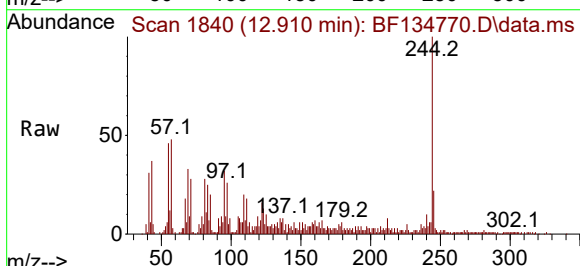
Tgt Ion:244 Resp: 37132

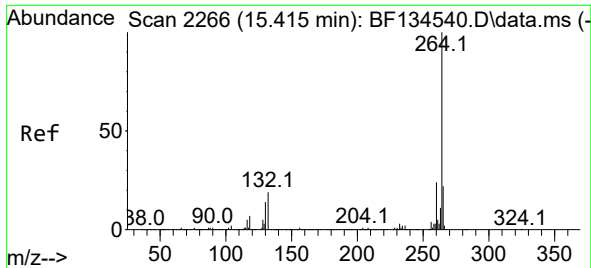
Ion Ratio Lower Upper

244 100

212 7.6 5.6 8.4

122 16.0 8.0 12.0#

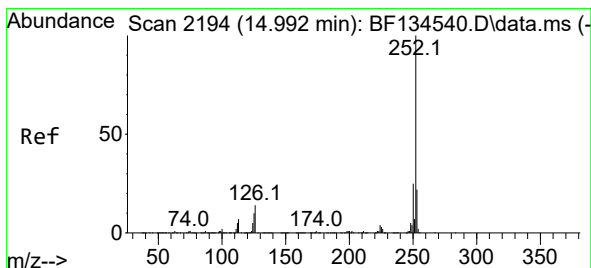
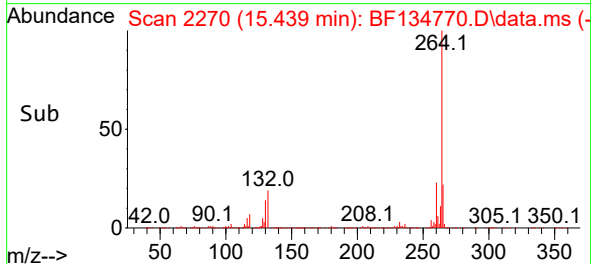
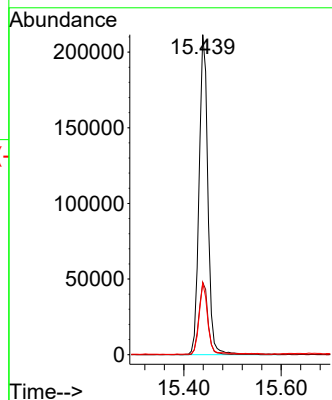
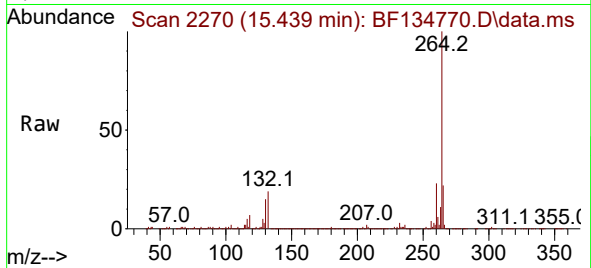




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.439 min Scan# 2197
 Delta R.T. 0.000 min
 Lab File: BF134770.D
 Acq: 14 Aug 2023 20:54

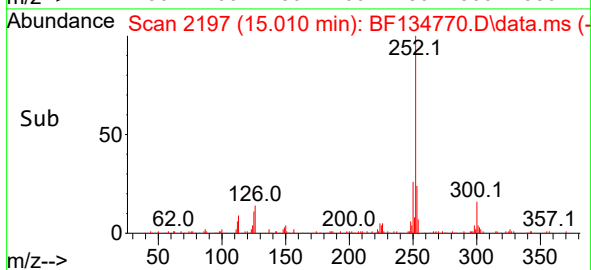
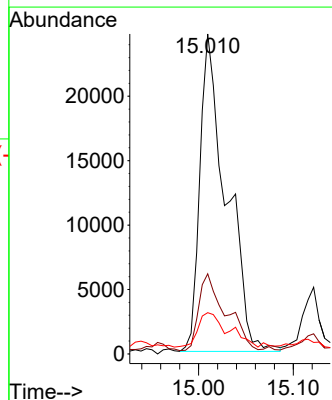
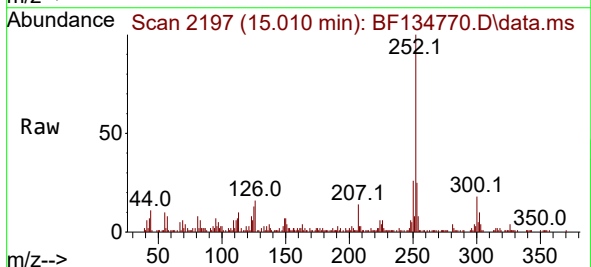
Instrument :
 BNA_F
 ClientSampleId :
 367

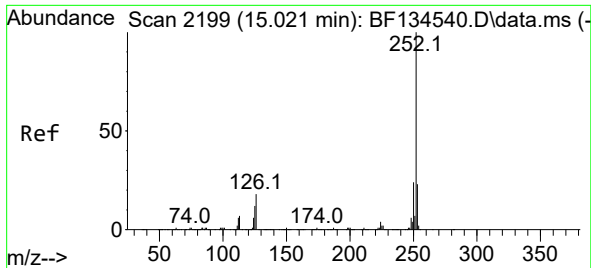
Tgt Ion:264 Resp: 267588
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.4 27.6
 265 22.5 15.8 23.8



#88
 Benzo(b)fluoranthene
 Concen: 2.930 ng
 RT: 15.010 min Scan# 2197
 Delta R.T. 0.000 min
 Lab File: BF134770.D
 Acq: 14 Aug 2023 20:54

Tgt Ion:252 Resp: 47818
 Ion Ratio Lower Upper
 252 100
 253 25.0 17.3 25.9
 125 12.9 6.0 9.0#





#89

Benzo(k)fluoranthene

Concen: 2.941 ng

RT: 15.010 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134770.D

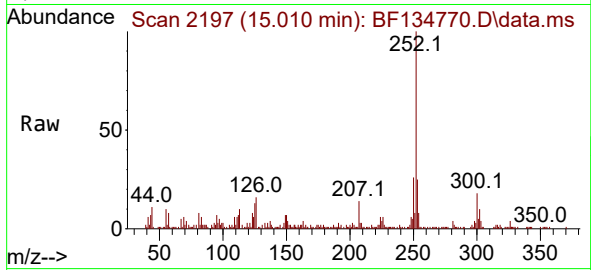
Acq: 14 Aug 2023 20:54

Instrument :

BNA_F

ClientSampleId :

367



Tgt Ion:252 Resp: 47818

Ion Ratio Lower Upper

252 100

253 25.0 17.9 26.9

125 12.9 6.3 9.5#

