

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134806.D
 Acq On : 16 Aug 2023 13:44
 Operator : CG\JU
 Sample : 04006-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-1-EPH

Quant Time: Aug 17 01:32:44 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)

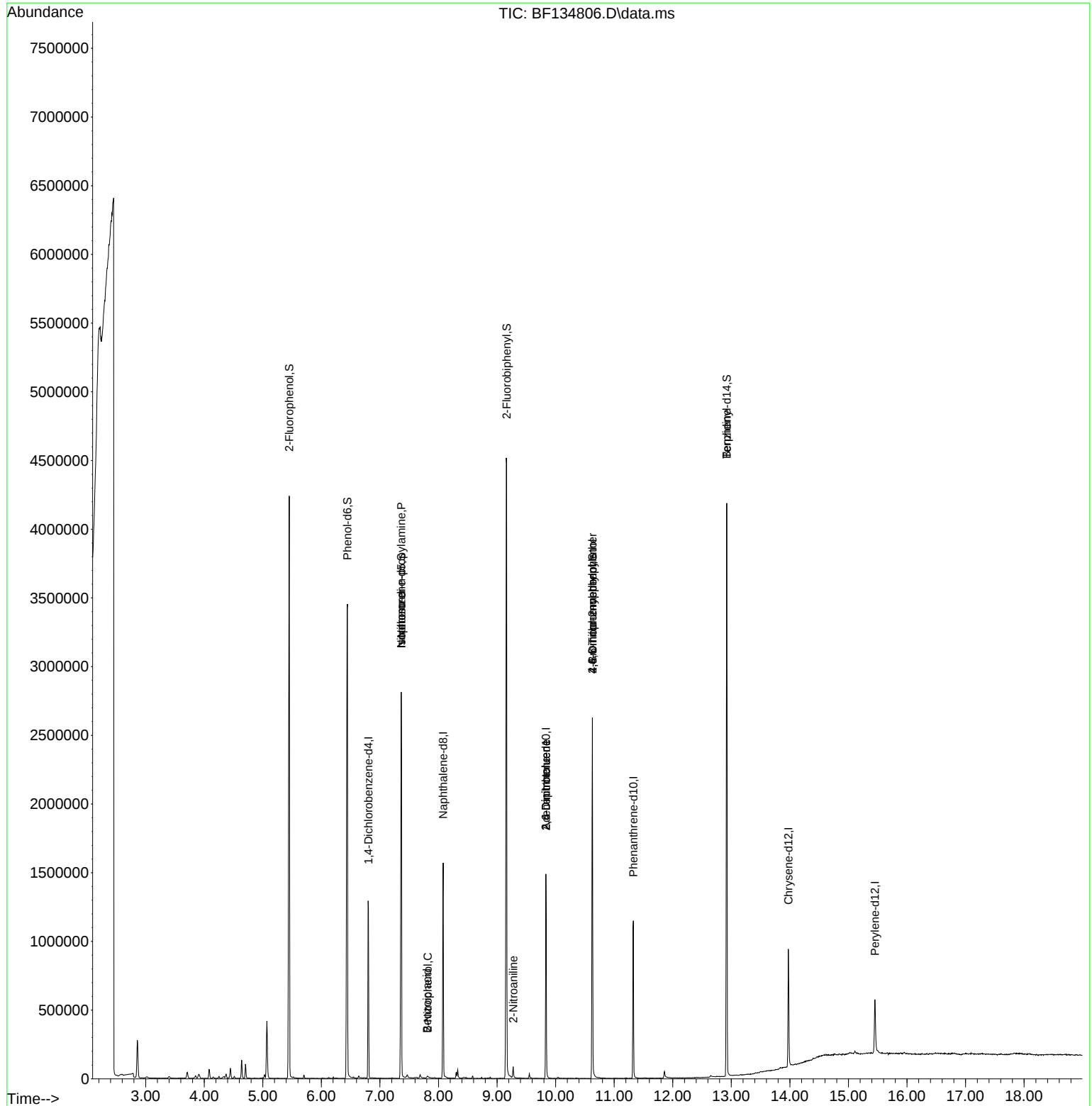
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	190726	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	715752	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	300904	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	444363	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	301762	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	221389	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1266395	100.933	ng	0.02
7) Phenol-d6	6.445	99	1472286	91.795	ng	0.00
23) Nitrobenzene-d5	7.363	82	1024427	89.443	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	329952	107.566	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1684781	93.095	ng	0.00
79) Terphenyl-d14	12.922	244	1549315	90.510	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.357	77	211	Below Cal	#	35
19) n-Nitroso-di-n-propyla...	7.363	70	138878	14.462	ng	# 73
25) Isophorone	7.363	82	1008619	40.375	ng	# 65
26) 2-Nitrophenol	7.816	139	139	4.816	ng	# 29
32) Benzoic acid	7.804	122	2898	8.200	ng	95
48) 2-Nitroaniline	9.275	65	673	3.281	ng	# 26
51) 2,6-Dinitrotoluene	9.833	165	38982	11.290	ng	# 17
57) 2,4-Dinitrotoluene	9.833	165	38982	10.075	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.628	198	744	9.038	ng	# 1
67) 4-Bromophenyl-phenylether	10.628	248	20792	4.274	ng	# 1
77) Benzidine	12.922	184	18357	2.802	ng	# 90

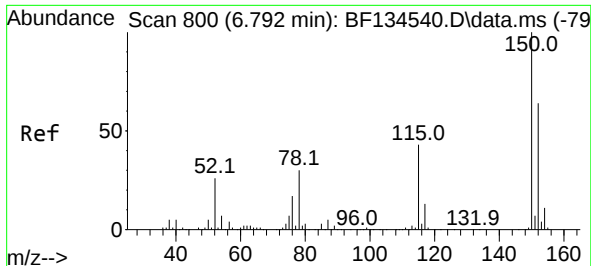
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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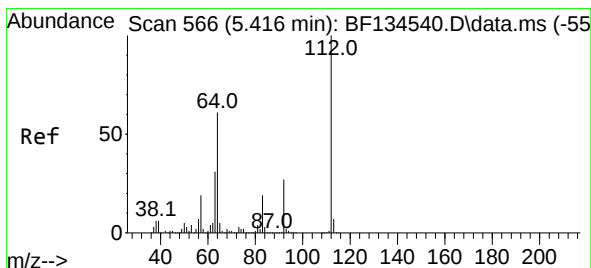
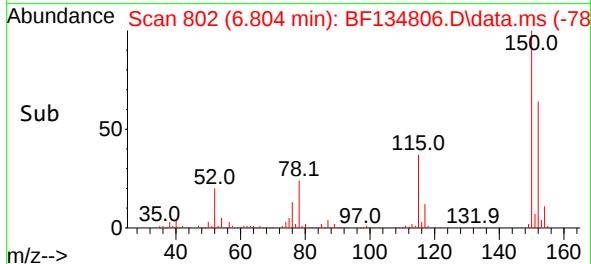
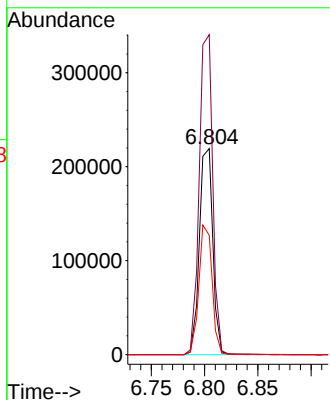
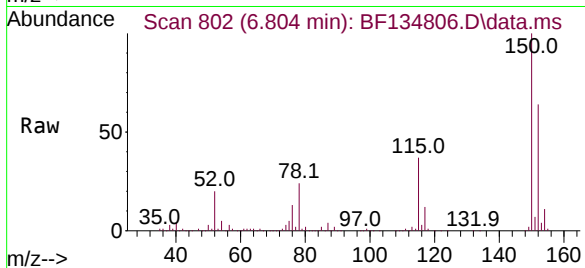




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 800
Delta R.T. 0.006 min
Lab File: BF134806.D
Acq: 16 Aug 2023 13:44

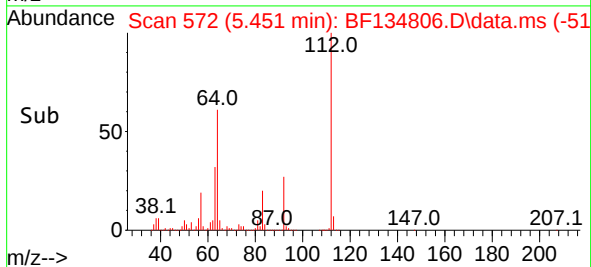
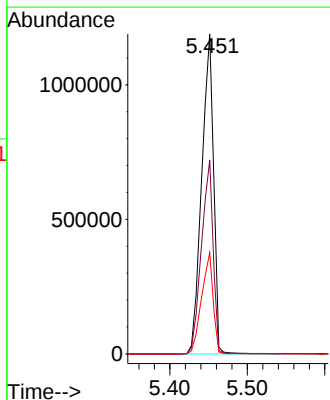
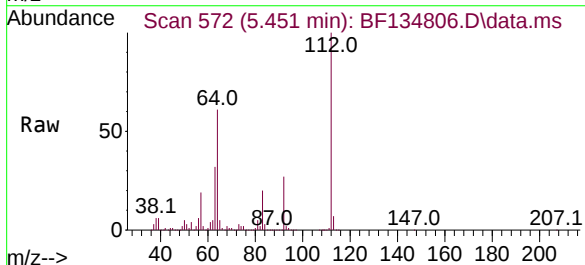
Instrument :
BNA_F
ClientSampleId :
E-1-EPH

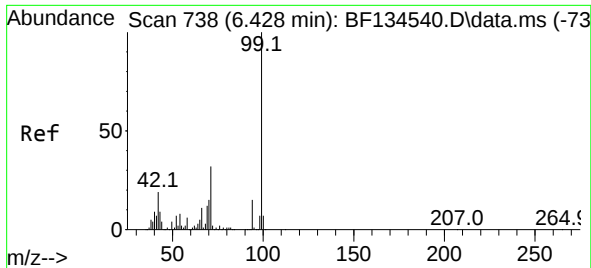
Tgt Ion:152 Resp: 190726
Ion Ratio Lower Upper
152 100
150 155.4 128.3 192.5
115 57.9 52.4 78.6



#5
2-Fluorophenol
Concen: 100.933 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.024 min
Lab File: BF134806.D
Acq: 16 Aug 2023 13:44

Tgt Ion:112 Resp: 1266395
Ion Ratio Lower Upper
112 100
64 60.6 44.9 67.3
63 31.6 25.4 38.0

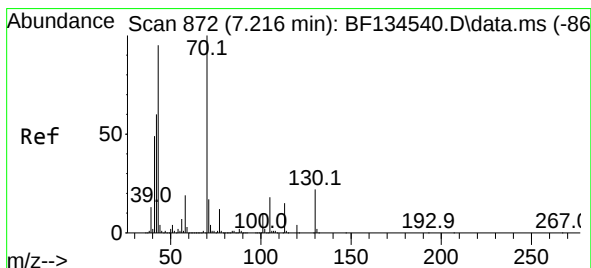
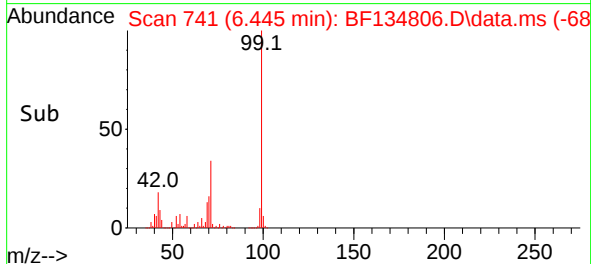
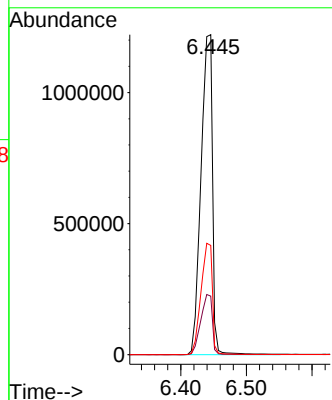
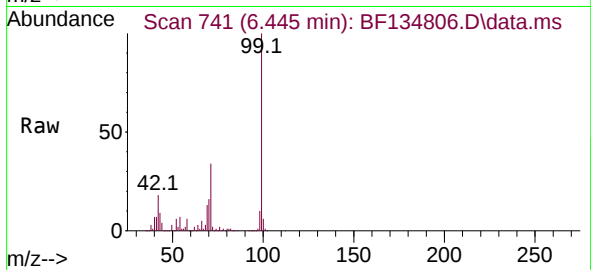




#7
Phenol-d6
Concen: 91.795 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF134806.D
Acq: 16 Aug 2023 13:44

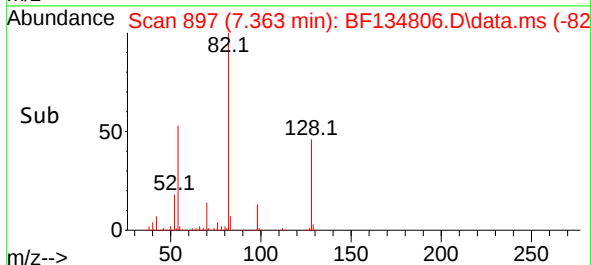
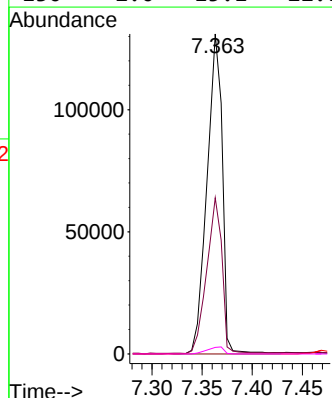
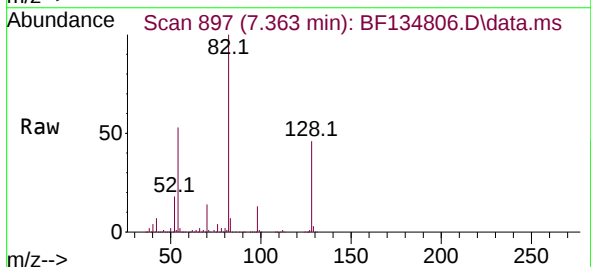
Instrument :
BNA_F
ClientSampleId :
E-1-EPH

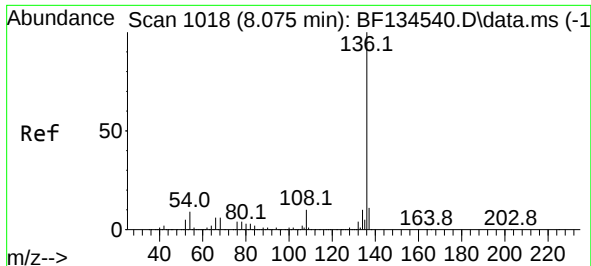
Tgt Ion: 99 Resp: 1472286
Ion Ratio Lower Upper
99 100
42 18.3 18.7 28.1#
71 34.1 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 14.462 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.141 min
Lab File: BF134806.D
Acq: 16 Aug 2023 13:44

Tgt Ion: 70 Resp: 138878
Ion Ratio Lower Upper
70 100
42 48.8 54.7 82.1#
101 0.0 8.2 12.2#
130 2.0 15.1 22.7#

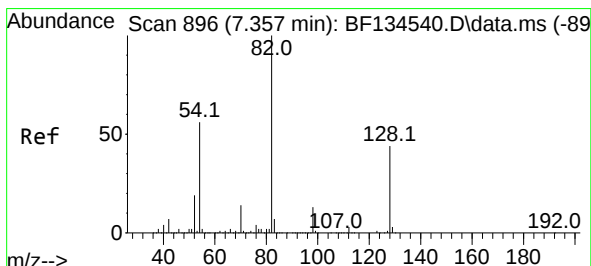
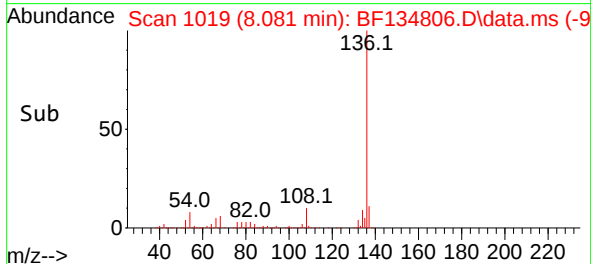
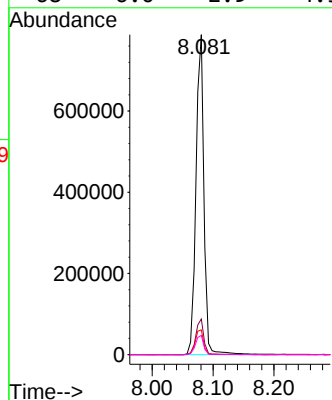
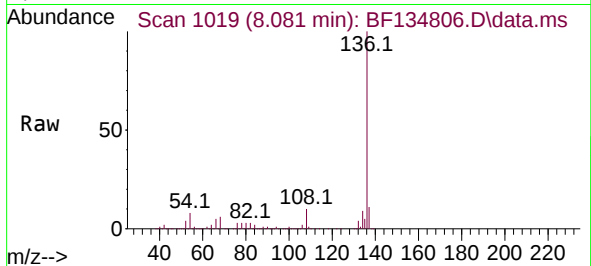




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134806.D
Acq: 16 Aug 2023 13:44

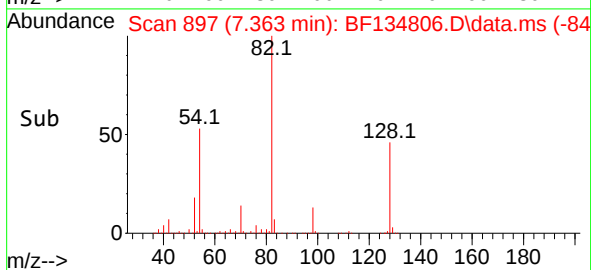
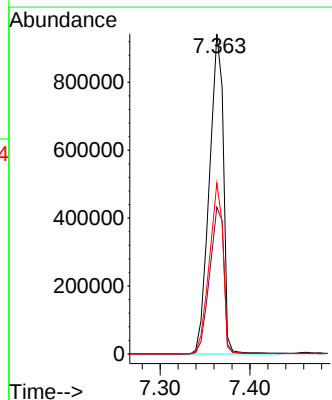
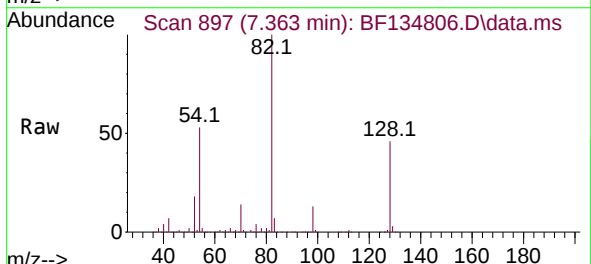
Instrument :
BNA_F
ClientSampleId :
E-1-EPH

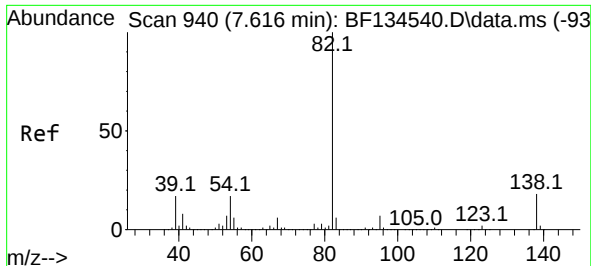
Tgt Ion:136 Resp: 715752
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 7.7 5.2 7.8
68 6.0 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 89.443 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF134806.D
Acq: 16 Aug 2023 13:44

Tgt Ion: 82 Resp: 1024427
Ion Ratio Lower Upper
82 100
128 45.8 34.3 51.5
54 53.4 43.8 65.6

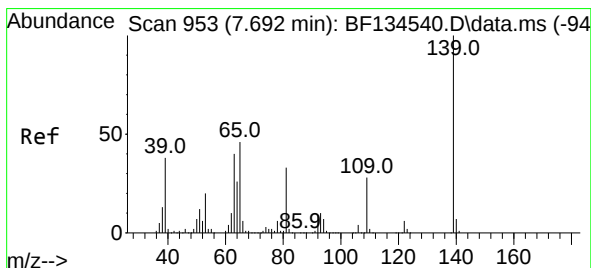
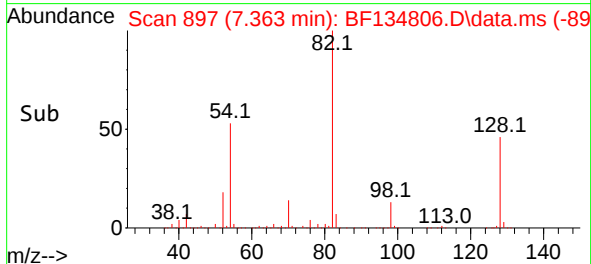
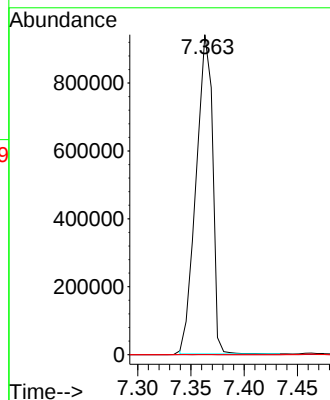
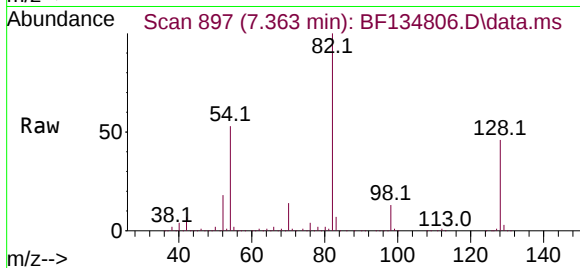




#25
Isophorone
Concen: 40.375 ng
RT: 7.363 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF134806.D
Acq: 16 Aug 2023 13:44

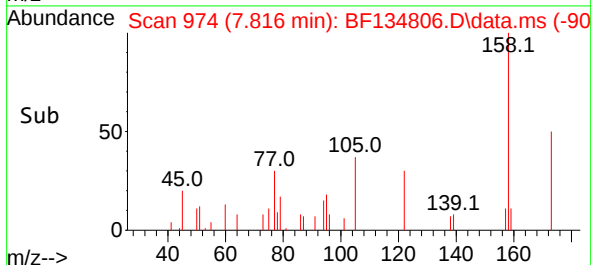
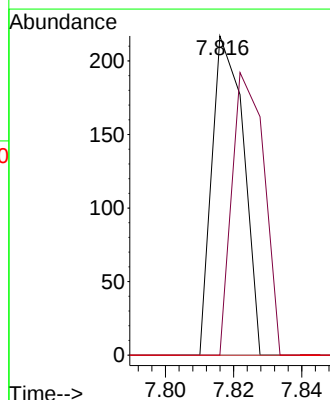
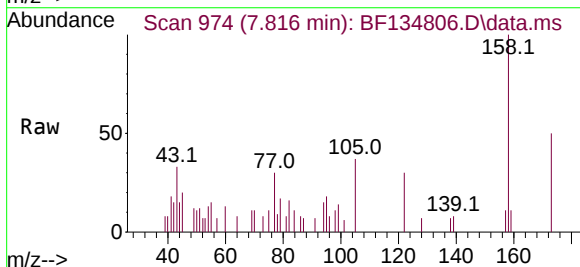
Instrument :
BNA_F
ClientSampleId :
E-1-EPH

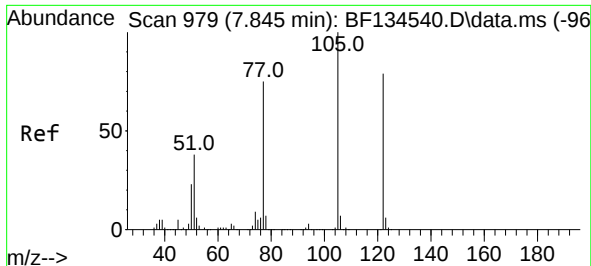
Tgt Ion: 82 Resp: 1008619
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.816 ng
RT: 7.816 min Scan# 974
Delta R.T. 0.118 min
Lab File: BF134806.D
Acq: 16 Aug 2023 13:44

Tgt Ion:139 Resp: 139
Ion Ratio Lower Upper
139 100
109 0.0 29.8 44.6#
65 0.0 45.4 68.2#

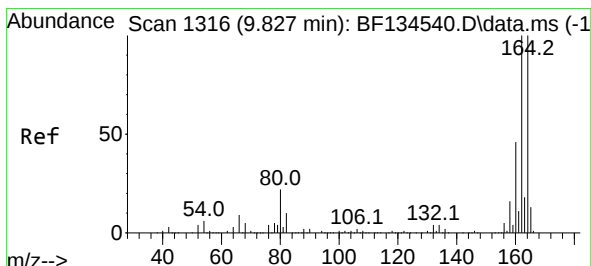
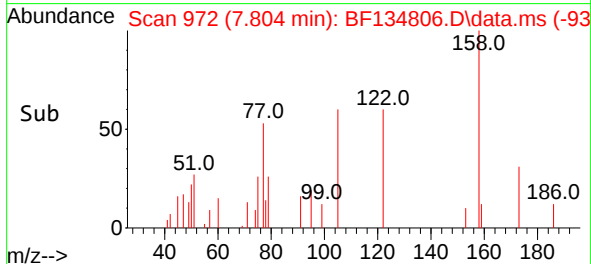
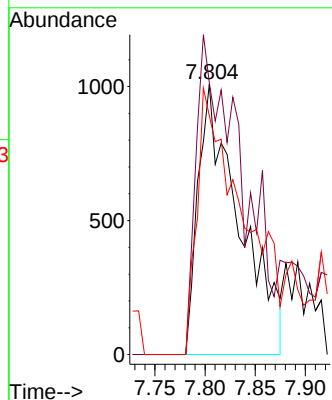
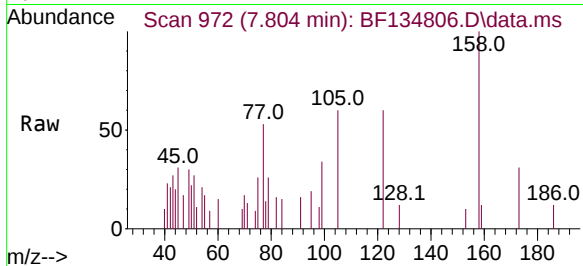




#32
Benzoic acid
Concen: 8.200 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.059 min
Lab File: BF134806.D
Acq: 16 Aug 2023 13:44

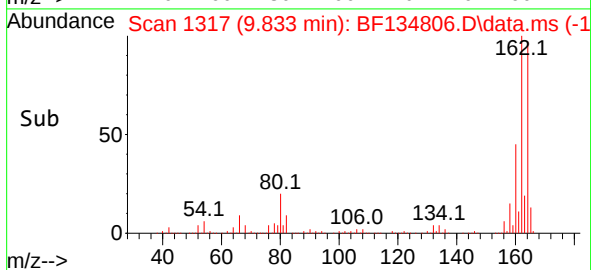
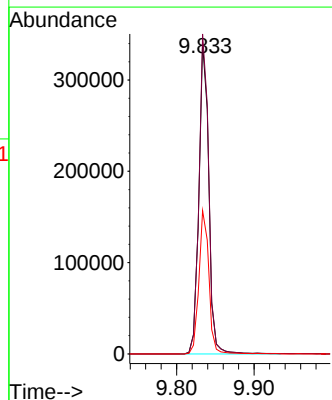
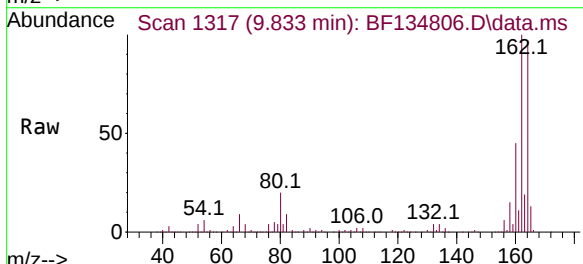
Instrument :
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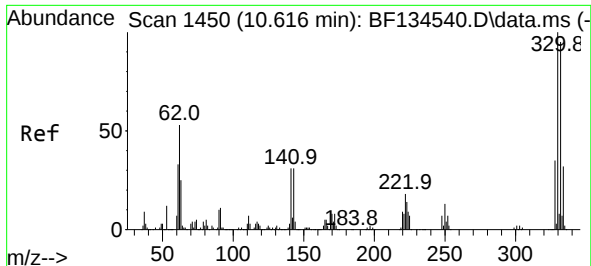
Tgt Ion:	122	Resp:	2898
Ion	Ratio	Lower	Upper
122	100		
105	100.4	87.5	127.5
77	88.2	71.4	111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134806.D
Acq: 16 Aug 2023 13:44

Tgt Ion:	164	Resp:	300904
Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.6	123.8
160	46.2	37.2	55.8





#42

2,4,6-Tribromophenol

Concen: 107.566 ng

RT: 10.628 min Scan# 1450

Delta R.T. 0.000 min

Lab File: BF134806.D

Acq: 16 Aug 2023 13:44

Instrument :

BNA_F

ClientSampleId :

E-1-EPH

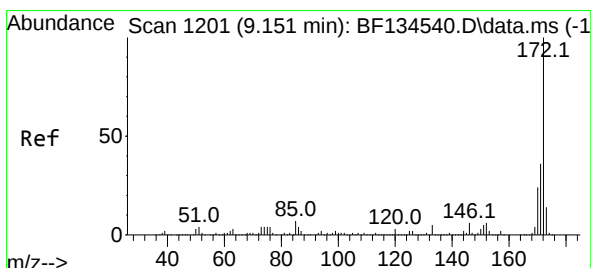
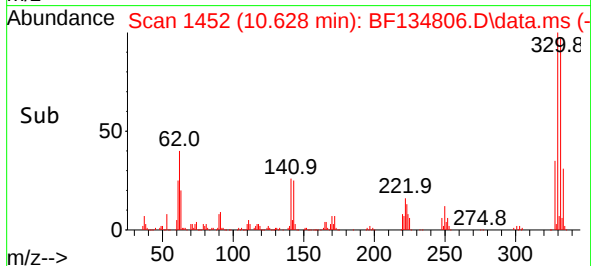
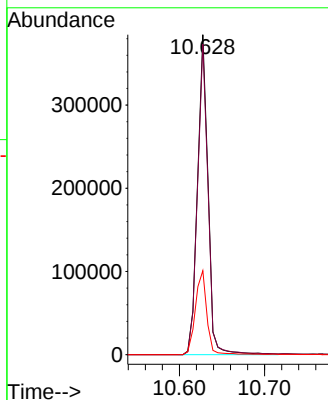
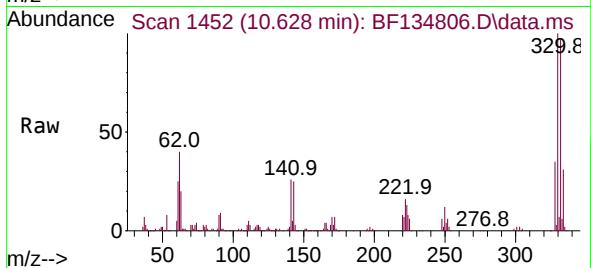
Tgt Ion:330 Resp: 329952

Ion Ratio Lower Upper

330 100

332 97.9 78.8 118.2

141 28.6 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 93.095 ng

RT: 9.163 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BF134806.D

Acq: 16 Aug 2023 13:44

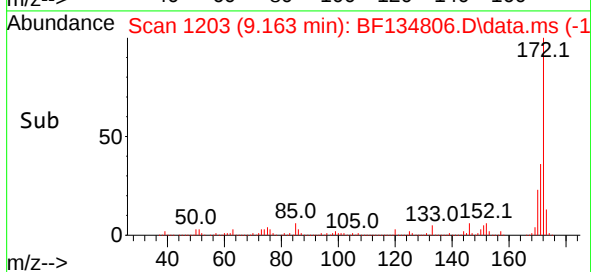
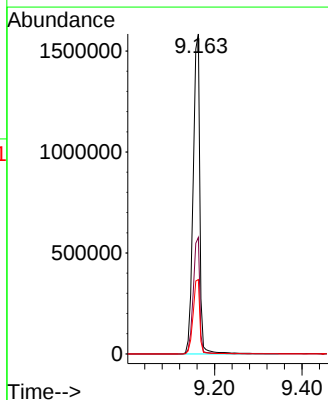
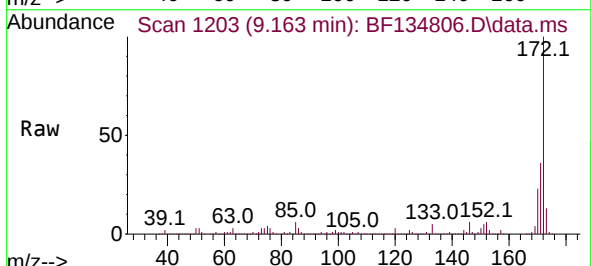
Tgt Ion:172 Resp: 1684781

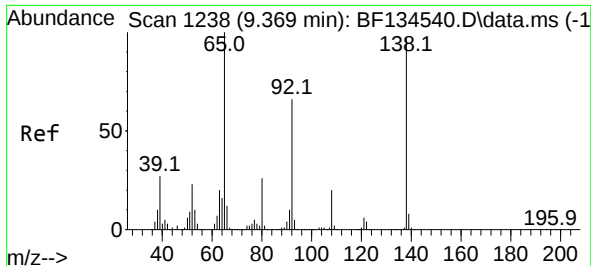
Ion Ratio Lower Upper

172 100

171 36.4 28.8 43.2

170 23.2 18.7 28.1





#48

2-Nitroaniline

Concen: 3.281 ng

RT: 9.275 min Scan# 11

Delta R.T. -0.106 min

Lab File: BF134806.D

Acq: 16 Aug 2023 13:44

Instrument :

BNA_F

ClientSampleId :

E-1-EPH

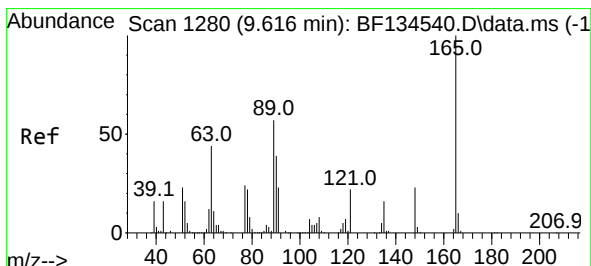
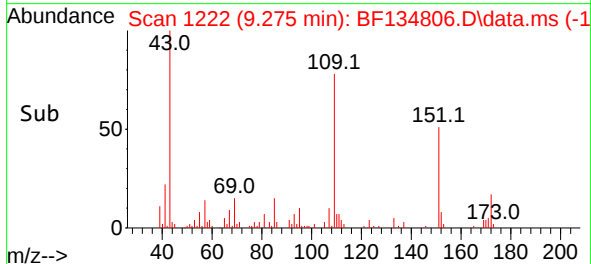
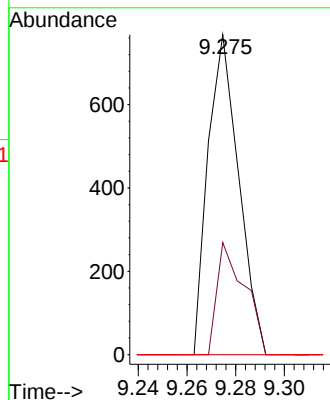
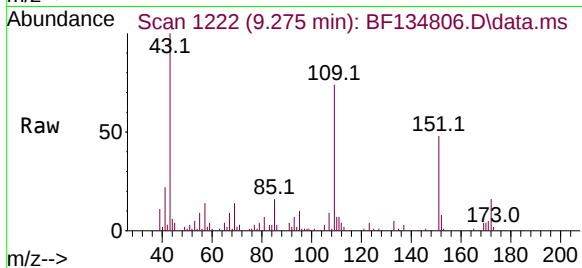
Tgt Ion: 65 Resp: 673

Ion Ratio Lower Upper

65 100

92 35.0 50.7 76.1#

138 0.0 78.2 117.4#



#51

2,6-Dinitrotoluene

Concen: 11.290 ng

RT: 9.833 min Scan# 1317

Delta R.T. 0.206 min

Lab File: BF134806.D

Acq: 16 Aug 2023 13:44

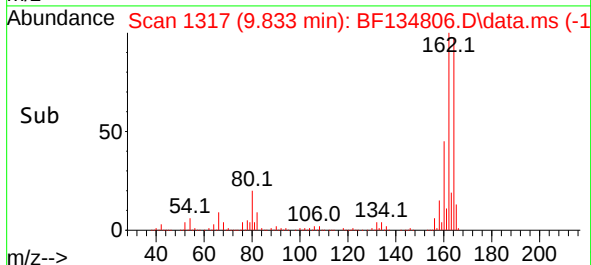
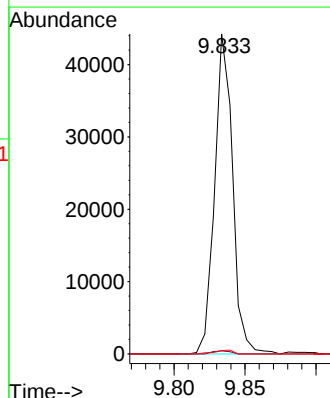
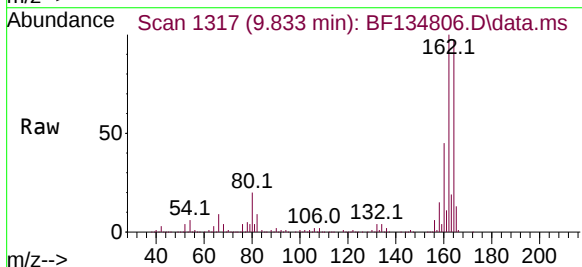
Tgt Ion:165 Resp: 38982

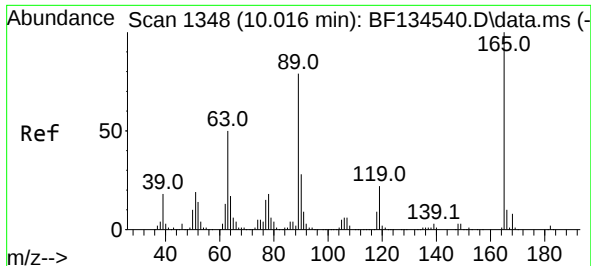
Ion Ratio Lower Upper

165 100

63 0.9 57.8 86.6#

89 1.0 51.8 77.8#

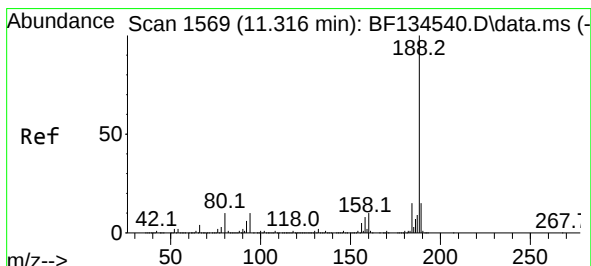
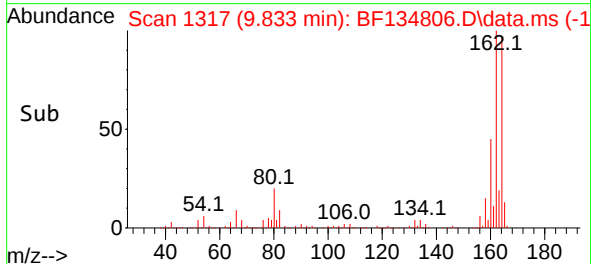
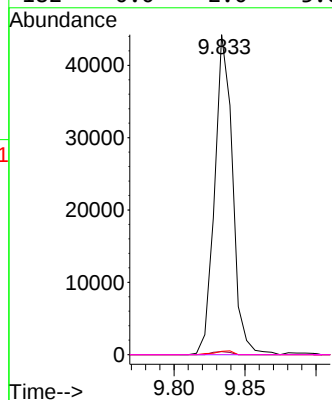
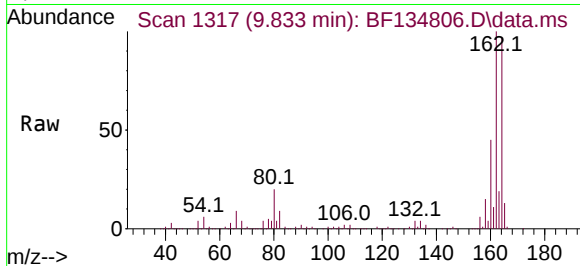




#57
 2,4-Dinitrotoluene
 Concen: 10.075 ng
 RT: 9.833 min Scan# 1348
 Delta R.T. -0.194 min
 Lab File: BF134806.D
 Acq: 16 Aug 2023 13:44

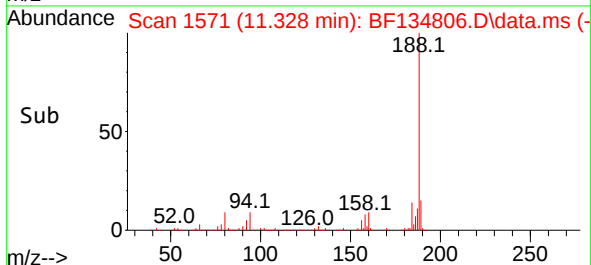
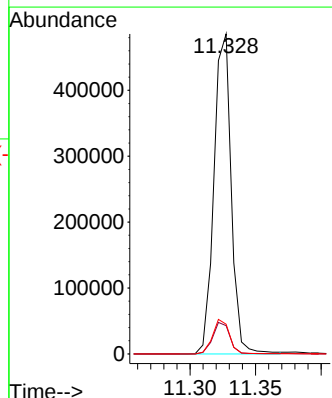
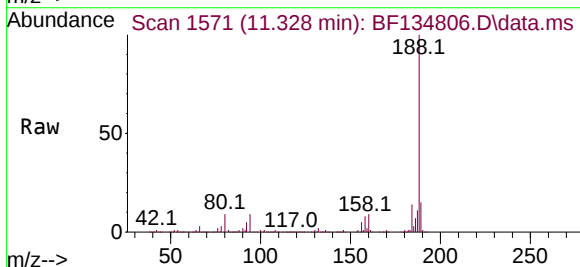
Instrument :
 BNA_F
 ClientSampleId :
 E-1-EPH

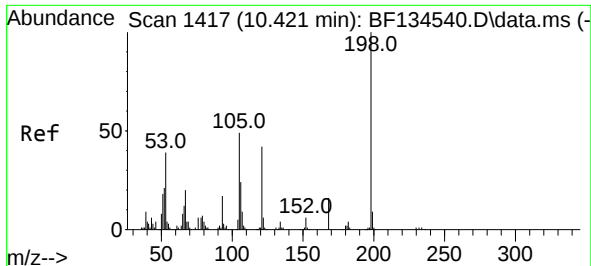
Tgt Ion:	165	Resp:	38982
Ion Ratio	Lower	Upper	
165	100		
63	0.9	48.9	73.3#
89	1.0	61.7	92.5#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.328 min Scan# 1571
 Delta R.T. 0.006 min
 Lab File: BF134806.D
 Acq: 16 Aug 2023 13:44

Tgt Ion:	188	Resp:	444363
Ion Ratio	Lower	Upper	
188	100		
94	8.8	5.1	7.7#
80	9.3	6.6	9.8

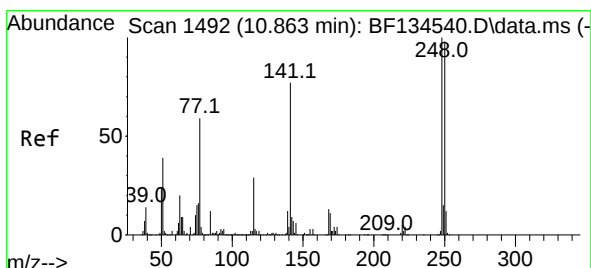
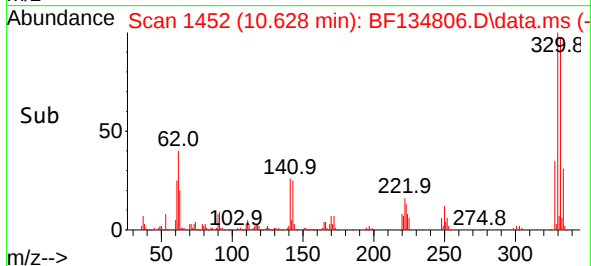
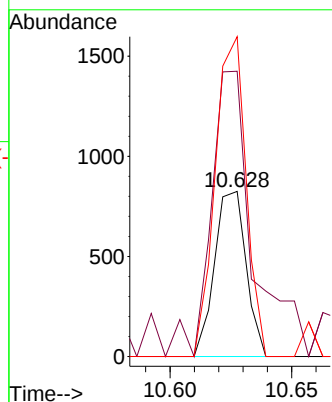
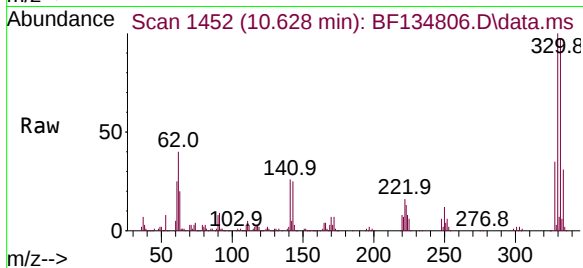




#65
4,6-Dinitro-2-methylphenol
Concen: 9.038 ng
RT: 10.628 min Scan# 1417
Delta R.T. 0.188 min
Lab File: BF134806.D
Acq: 16 Aug 2023 13:44

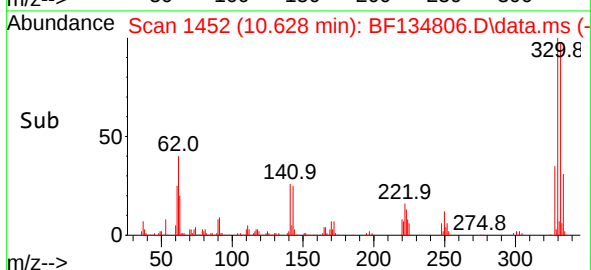
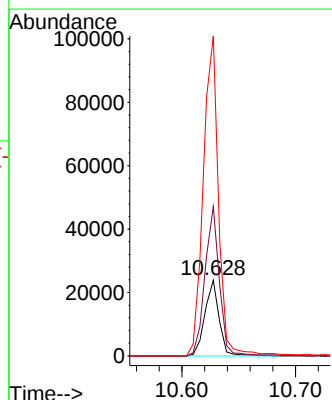
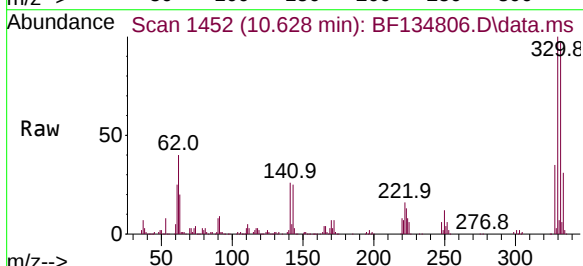
Instrument :
BNA_F
ClientSampleId :
E-1-EPH

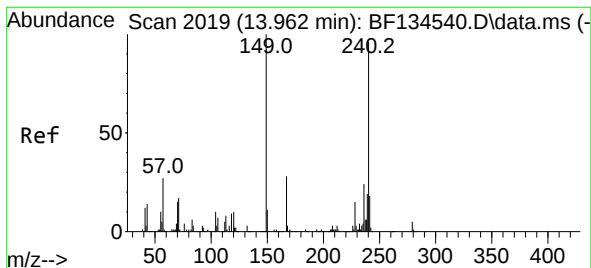
Tgt Ion:198 Resp: 744
Ion Ratio Lower Upper
198 100
51 172.7 38.6 78.6#
105 193.7 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 4.274 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.241 min
Lab File: BF134806.D
Acq: 16 Aug 2023 13:44

Tgt Ion:248 Resp: 20792
Ion Ratio Lower Upper
248 100
250 197.5 79.6 119.4#
141 423.0 59.6 89.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134806.D

Acq: 16 Aug 2023 13:44

Instrument :

BNA_F

ClientSampleId :

E-1-EPH

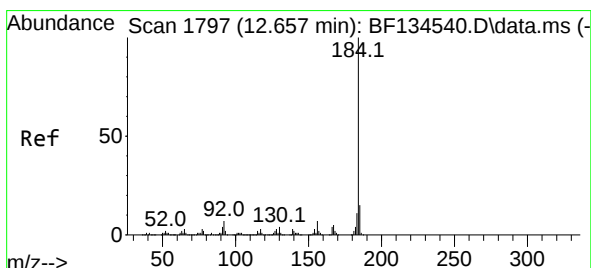
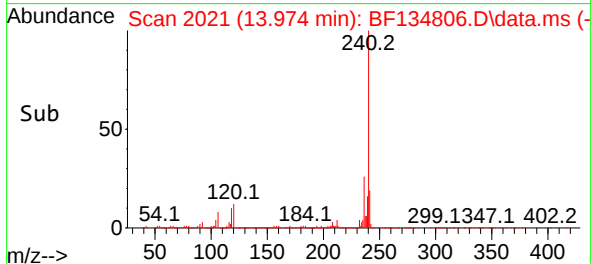
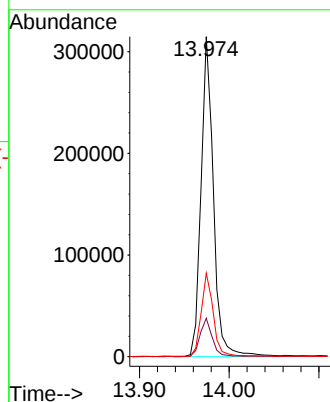
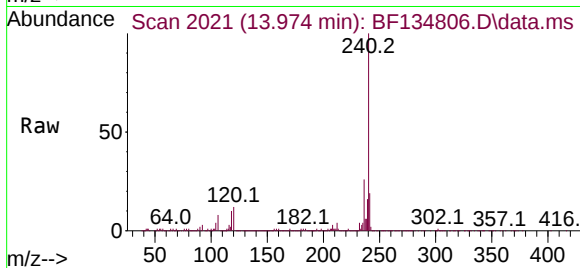
Tgt Ion:240 Resp: 301762

Ion Ratio Lower Upper

240 100

120 12.0 6.6 10.0#

236 26.1 20.2 30.2



#77

Benzidine

Concen: 2.802 ng

RT: 12.922 min Scan# 1842

Delta R.T. 0.259 min

Lab File: BF134806.D

Acq: 16 Aug 2023 13:44

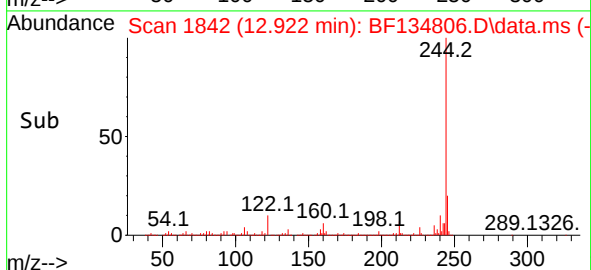
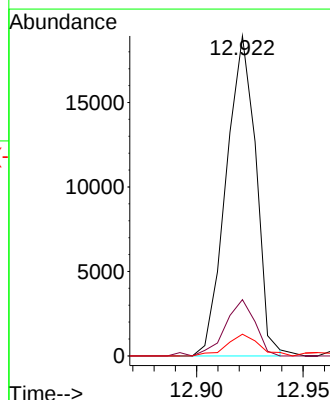
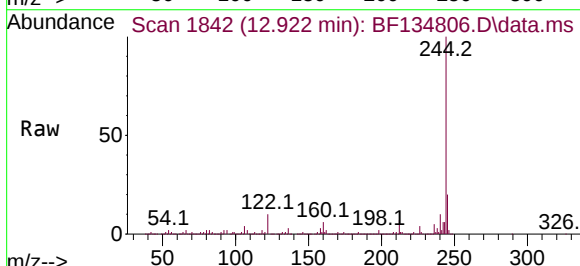
Tgt Ion:184 Resp: 18357

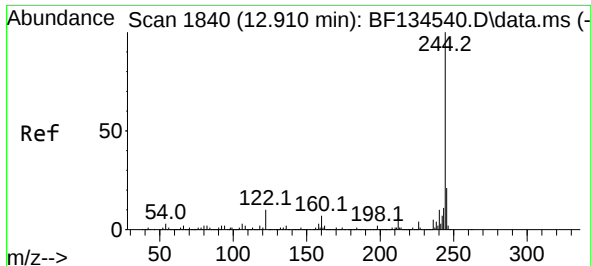
Ion Ratio Lower Upper

184 100

185 17.6 11.2 16.8#

183 6.8 8.6 13.0#

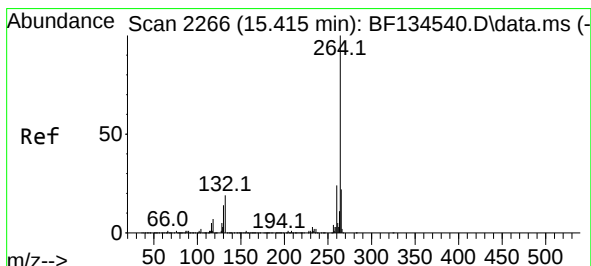
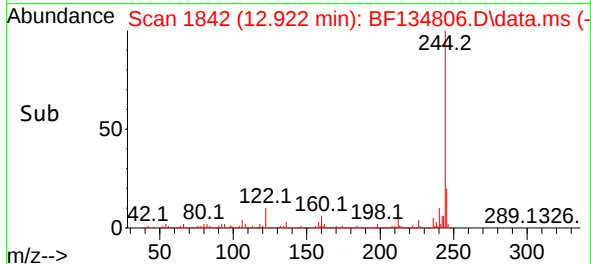
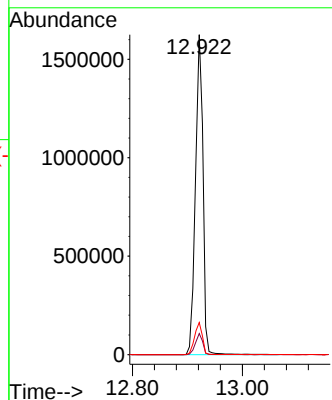
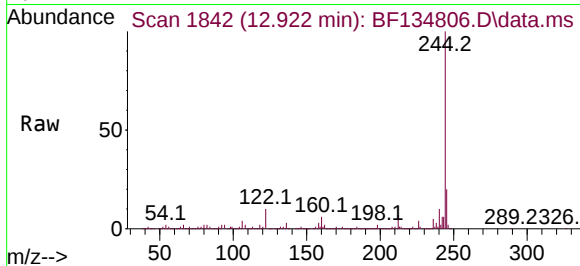




#79
 Terphenyl-d14
 Concen: 90.510 ng
 RT: 12.922 min Scan# 1842
 Delta R.T. 0.000 min
 Lab File: BF134806.D
 Acq: 16 Aug 2023 13:44

Instrument :
 BNA_F
 ClientSampleId :
 E-1-EPH

Tgt Ion:244 Resp: 1549315
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 10.0 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. 0.012 min
 Lab File: BF134806.D
 Acq: 16 Aug 2023 13:44

Tgt Ion:264 Resp: 221389
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.4 27.6
 265 20.9 15.8 23.8

