

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080823\
 Data File : BF134665.D
 Acq On : 08 Aug 2023 11:35
 Operator : CG\JU
 Sample : 03881-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-2

Quant Time: Aug 09 02:16:31 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)

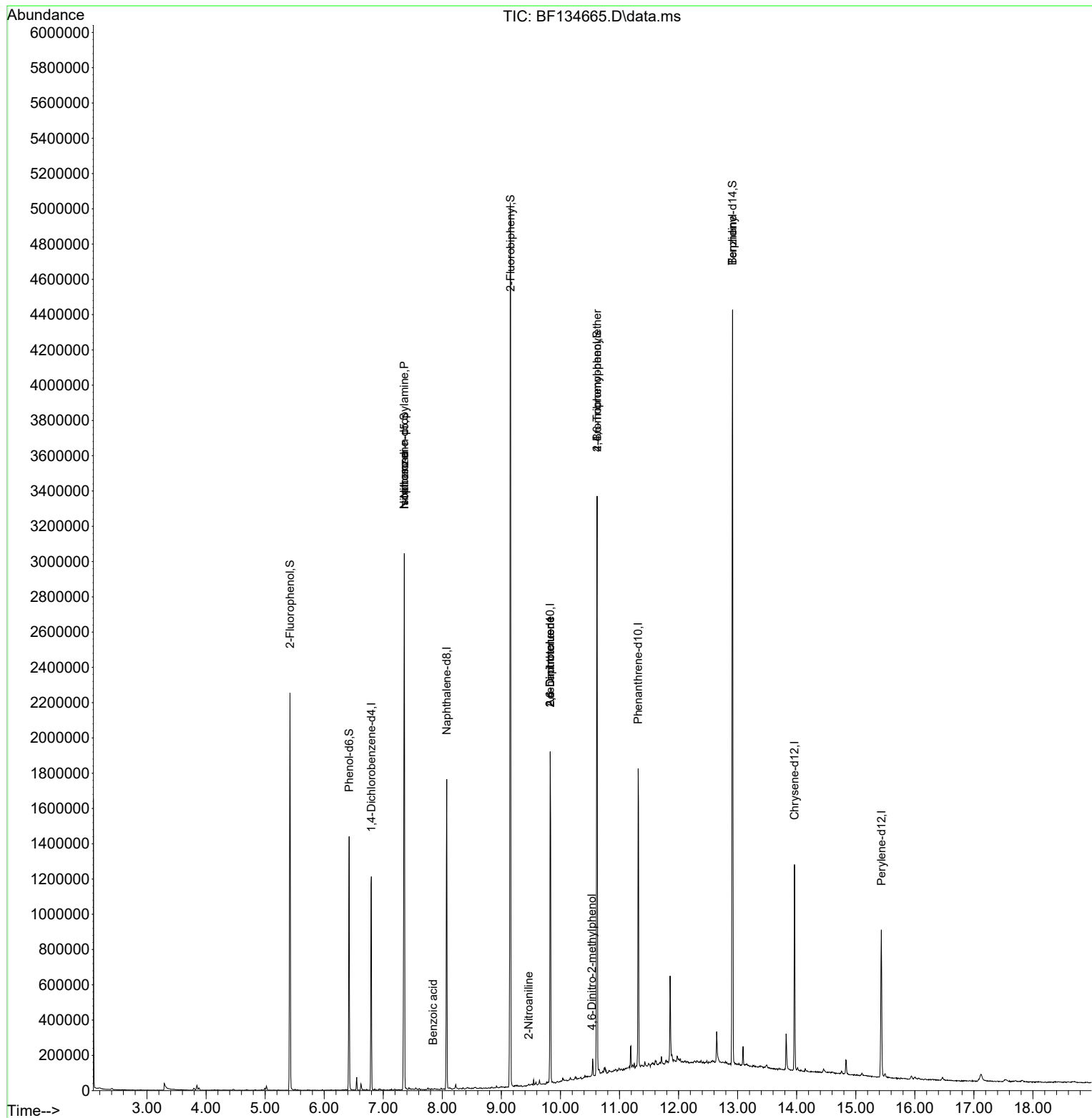
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	181783	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	727484	20.000	ng	# 0.00
39) Acenaphthene-d10	9.827	164	367040	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	618362	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	374434	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	374259	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	560540	46.873	ng	0.00
7) Phenol-d6	6.422	99	422936	27.667	ng	-0.02
23) Nitrobenzene-d5	7.357	82	1010843	86.834	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	436504	116.662	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1758310	79.652	ng	0.00
79) Terphenyl-d14	12.916	244	1558964	73.397	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.363	77	69	Below Cal	#	52
19) n-Nitroso-di-n-propyla...	7.357	70	137465	15.019	ng	# 72
25) Isophorone	7.357	82	998457	39.324	ng	# 65
32) Benzoic acid	7.845	122	62	7.874	ng	# 1
48) 2-Nitroaniline	9.463	65	191	3.193	ng	# 62
51) 2,6-Dinitrotoluene	9.827	165	49664	11.681	ng	# 18
57) 2,4-Dinitrotoluene	9.827	165	49664	10.396	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.533	198	55	8.717	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	27678	4.089	ng	# 1
77) Benzidine	12.916	184	18662	2.296	ng	96

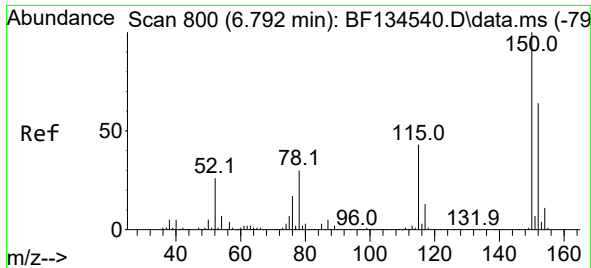
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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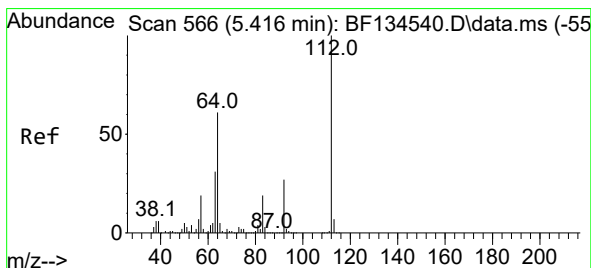
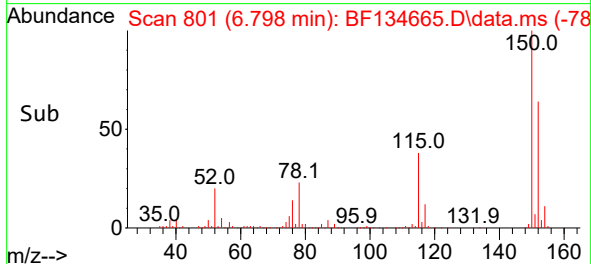
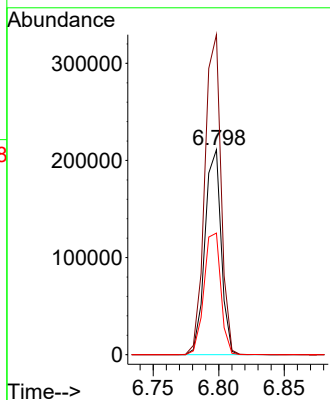
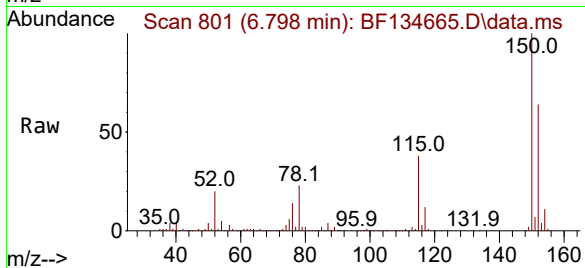




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

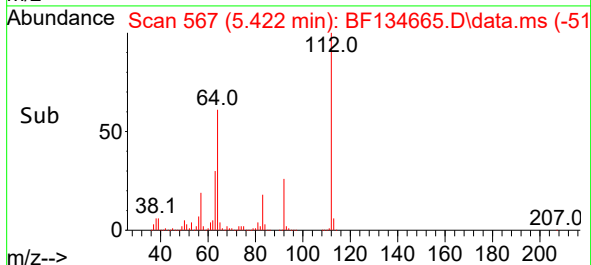
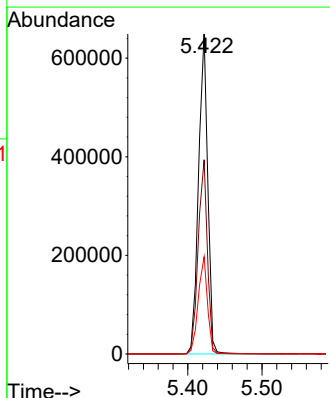
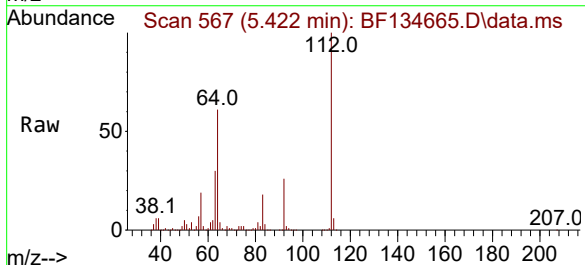
Instrument :
BNA_F
ClientSampleId :
MH-2

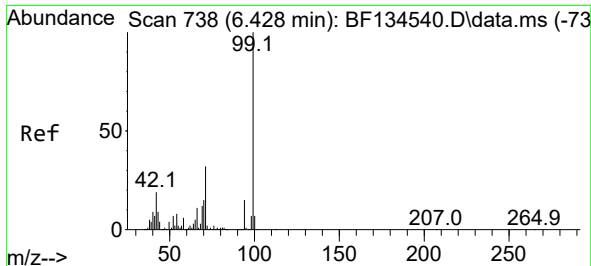
Tgt Ion:152 Resp: 181783
Ion Ratio Lower Upper
152 100
150 156.2 128.3 192.5
115 59.4 52.4 78.6



#5
2-Fluorophenol
Concen: 46.873 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

Tgt Ion:112 Resp: 560540
Ion Ratio Lower Upper
112 100
64 60.7 44.9 67.3
63 30.4 25.4 38.0

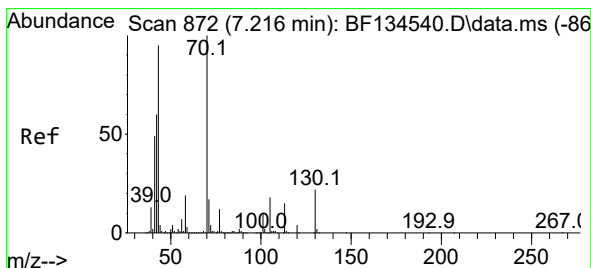
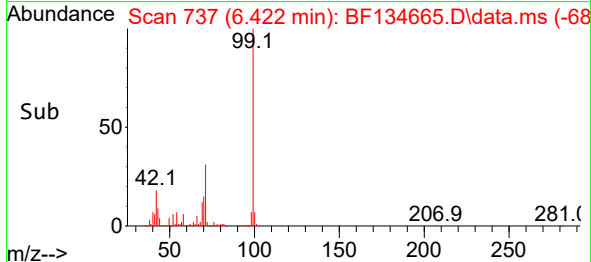
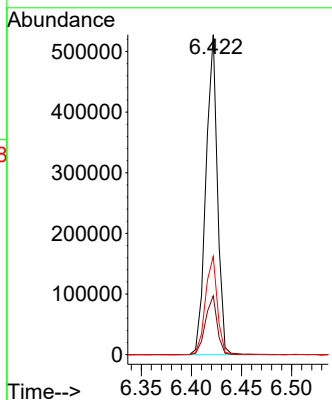
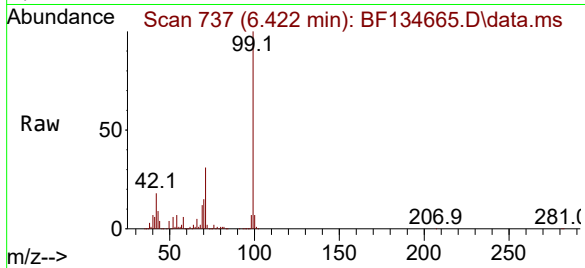




#7
Phenol-d6
Concen: 27.667 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

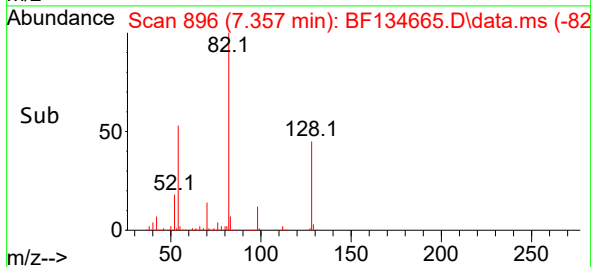
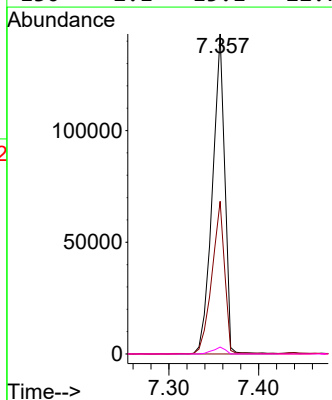
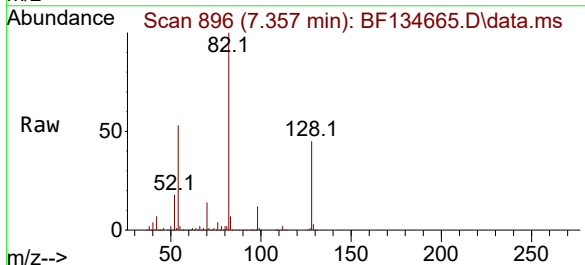
Instrument :
BNA_F
ClientSampleId :
MH-2

Tgt Ion: 99 Resp: 422936
Ion Ratio Lower Upper
99 100
42 18.4 18.7 28.1#
71 30.7 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 15.019 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

Tgt Ion: 70 Resp: 137465
Ion Ratio Lower Upper
70 100
42 47.7 54.7 82.1#
101 0.0 8.2 12.2#
130 2.1 15.1 22.7#

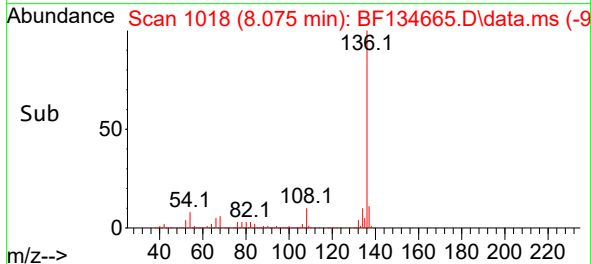
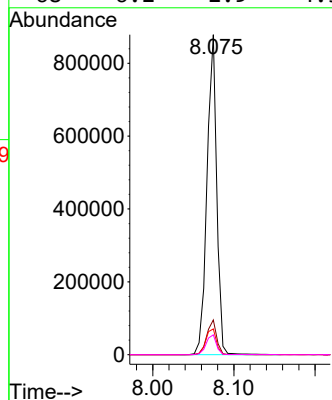
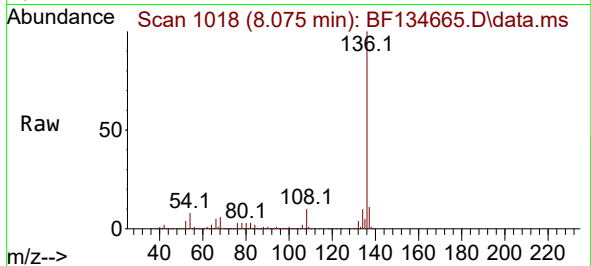




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

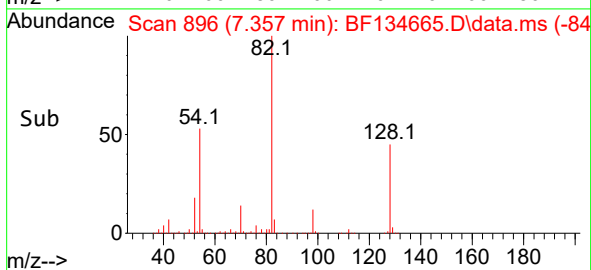
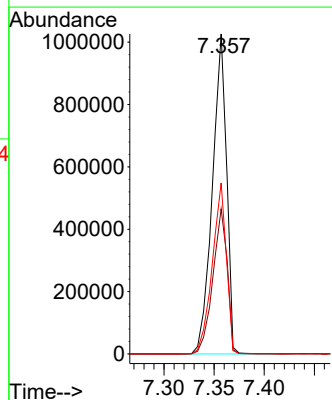
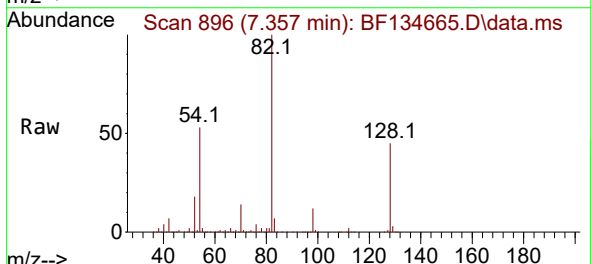
Instrument :
BNA_F
ClientSampleId :
MH-2

Tgt Ion:	136	Resp:	727484
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	8.1	5.2	7.8#
68	6.2	2.9	4.3#



#23
Nitrobenzene-d5
Concen: 86.834 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

Tgt Ion:	82	Resp:	1010843
Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.3	51.5
54	53.4	43.8	65.6

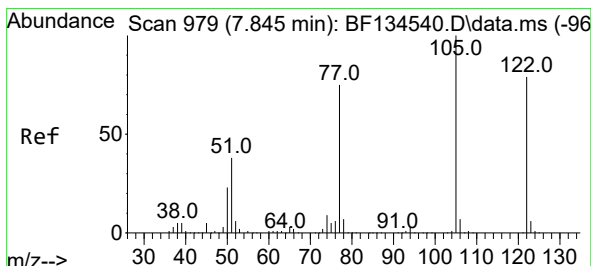
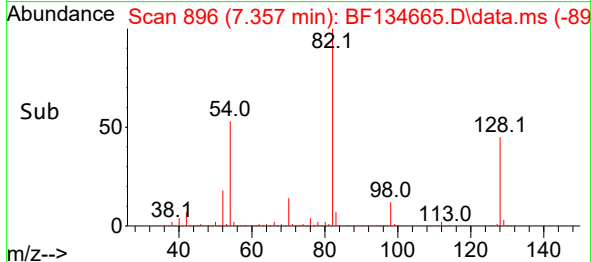
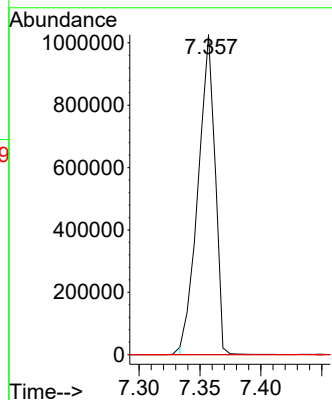
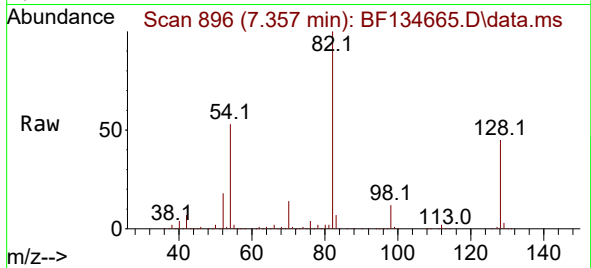




#25
Isophorone
Concen: 39.324 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

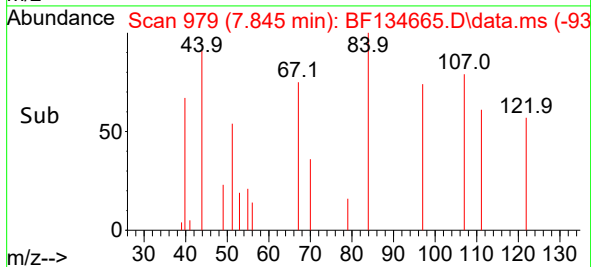
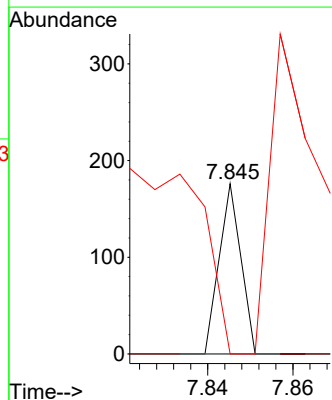
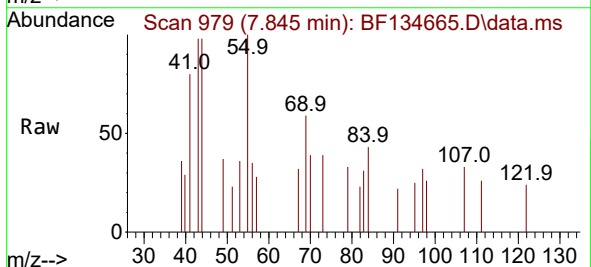
Instrument :
BNA_F
ClientSampleId :
MH-2

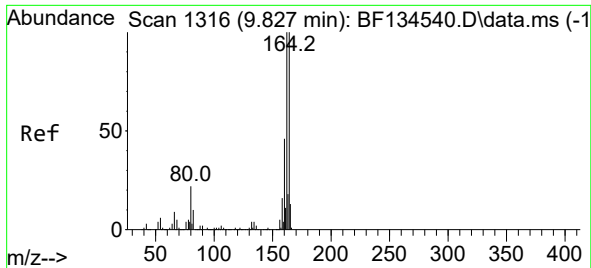
Tgt Ion: 82 Resp: 998457
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.874 ng
RT: 7.845 min Scan# 979
Delta R.T. -0.018 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

Tgt Ion: 122 Resp: 62
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 0.0 71.4 111.4#

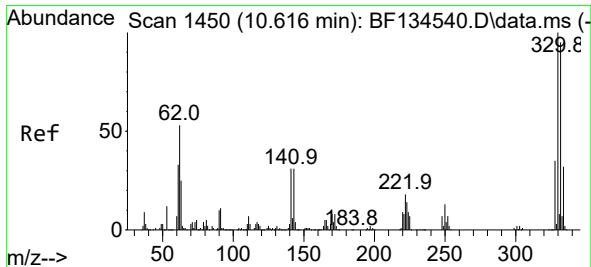
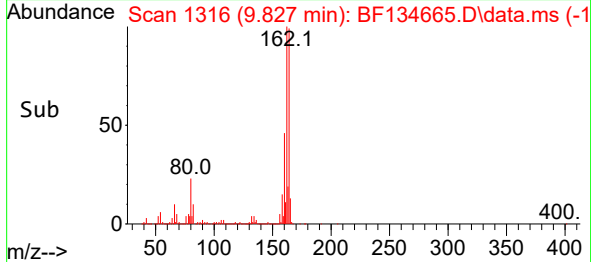
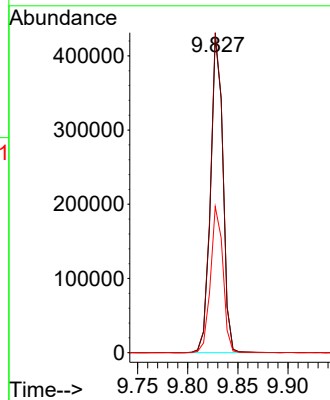
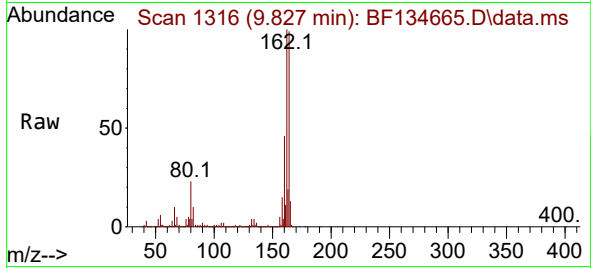




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

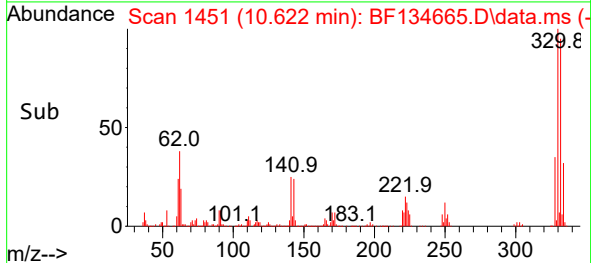
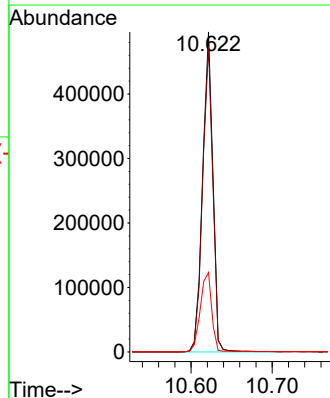
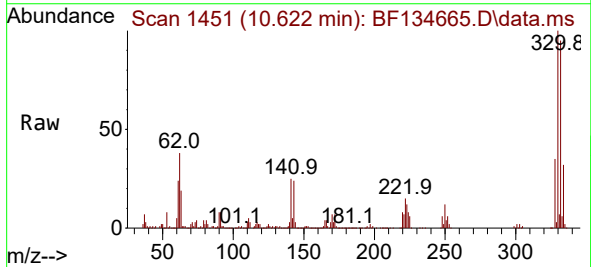
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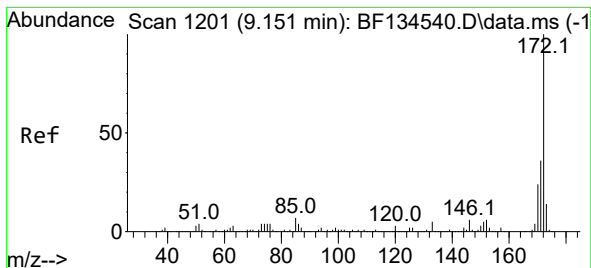
Tgt Ion:164 Resp: 367040
Ion Ratio Lower Upper
164 100
162 101.4 82.6 123.8
160 46.3 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 116.662 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

Tgt Ion:330 Resp: 436504
Ion Ratio Lower Upper
330 100
332 95.8 78.8 118.2
141 27.9 25.4 38.2

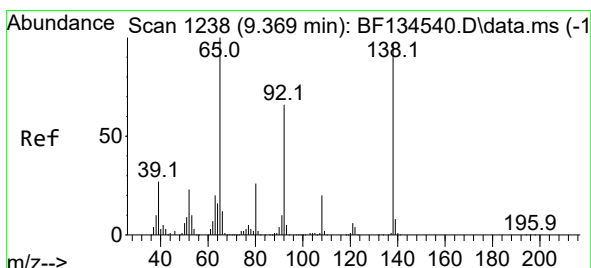
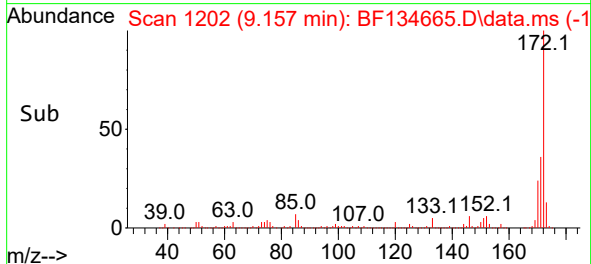
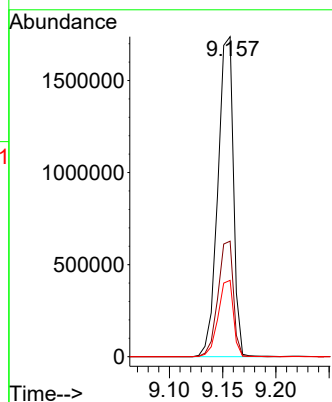
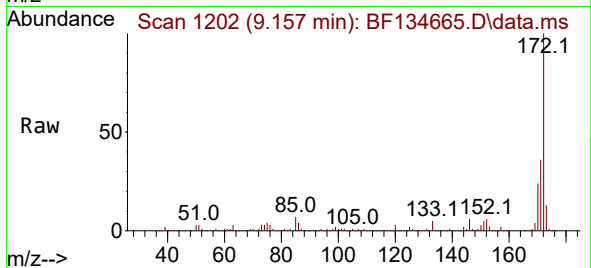




#45
2-Fluorobiphenyl
Concen: 79.652 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

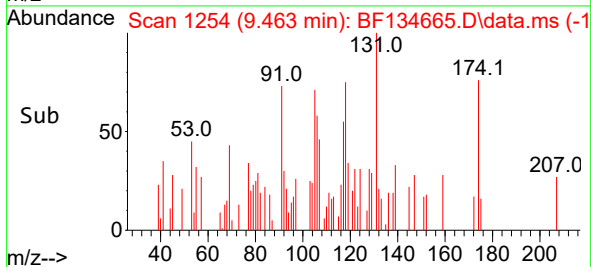
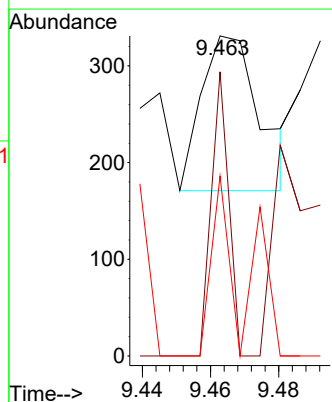
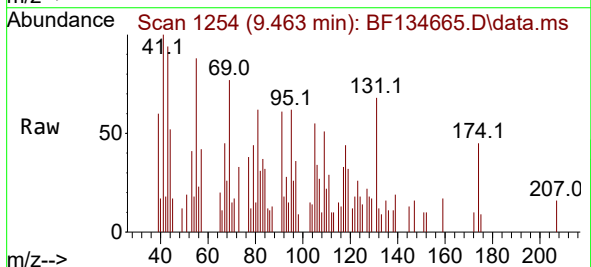
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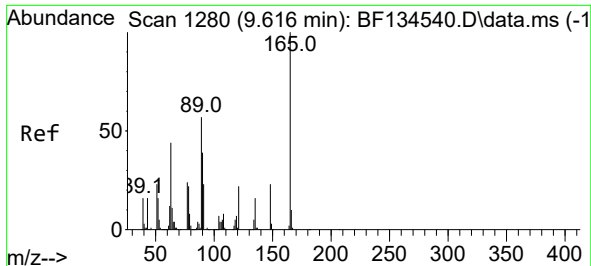
Tgt Ion:172 Resp: 1758310
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.8 18.7 28.1



#48
2-Nitroaniline
Concen: 3.193 ng
RT: 9.463 min Scan# 1254
Delta R.T. 0.082 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

Tgt Ion: 65 Resp: 191
Ion Ratio Lower Upper
65 100
92 88.8 50.7 76.1#
138 56.2 78.2 117.4#

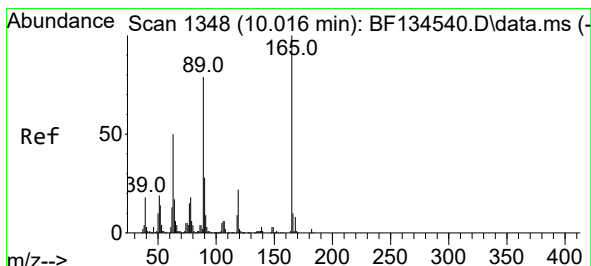
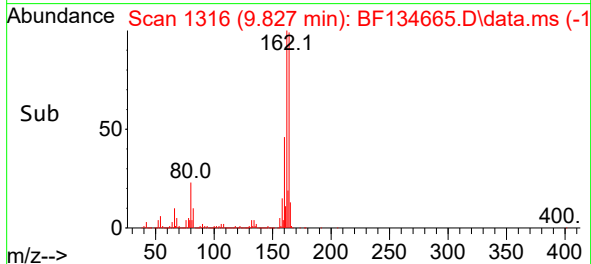
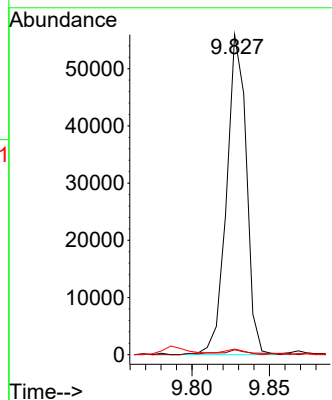
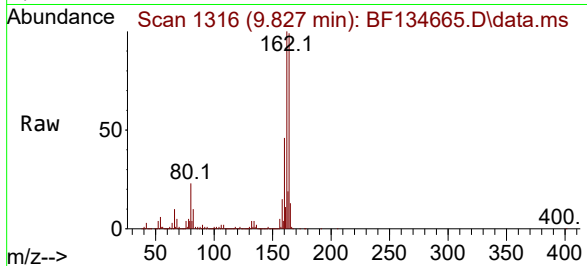




#51
2,6-Dinitrotoluene
Concen: 11.681 ng
RT: 9.827 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

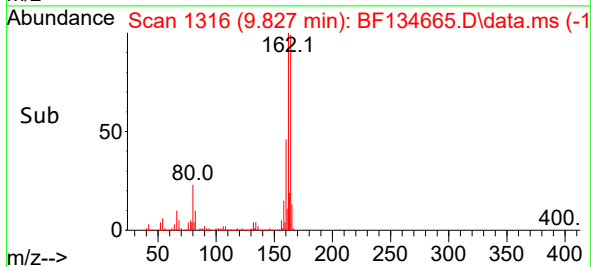
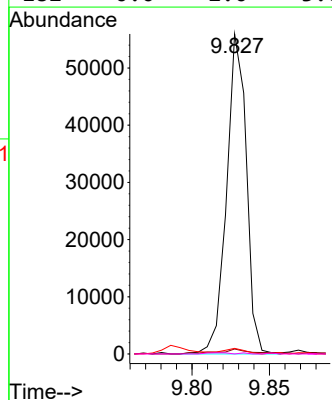
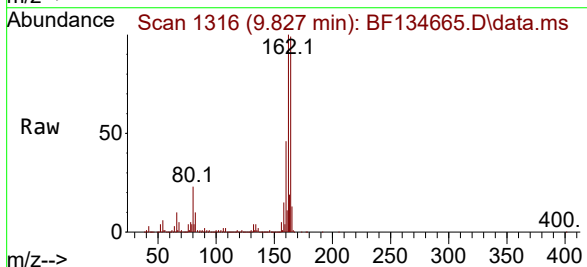
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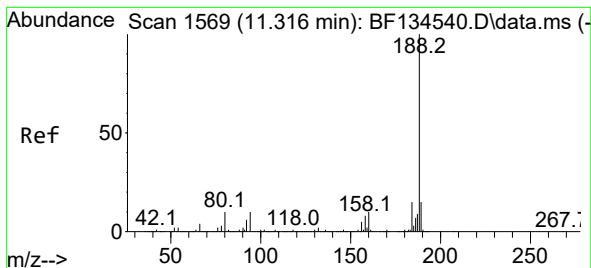
Tgt Ion:165 Resp: 49664
Ion Ratio Lower Upper
165 100
63 1.6 57.8 86.6#
89 1.8 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 10.396 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

Tgt Ion:165 Resp: 49664
Ion Ratio Lower Upper
165 100
63 1.6 48.9 73.3#
89 1.8 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134665.D

Acq: 08 Aug 2023 11:35

Instrument :

BNA_F

ClientSampleId :

MH-2

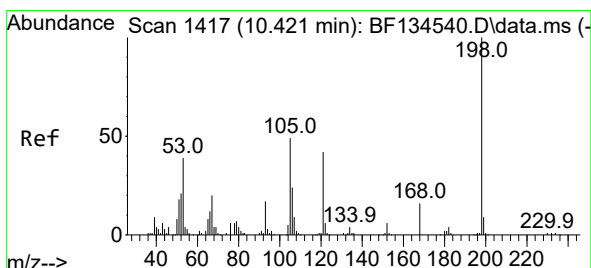
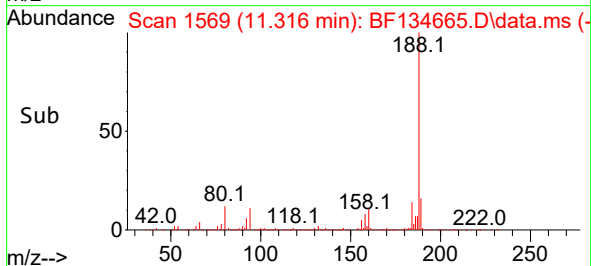
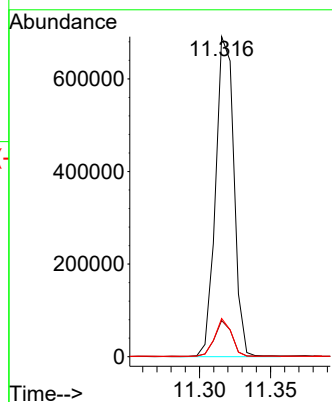
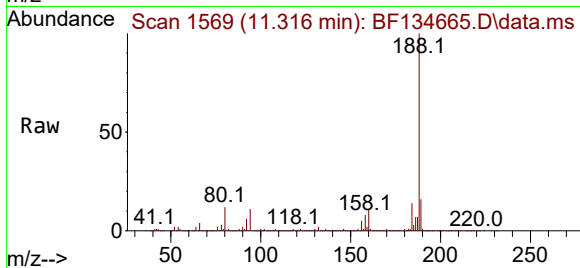
Tgt Ion:188 Resp: 618362

Ion Ratio Lower Upper

188 100

94 11.3 5.1 7.7#

80 12.0 6.6 9.8#



#65

4,6-Dinitro-2-methylphenol

Concen: 8.717 ng

RT: 10.533 min Scan# 1436

Delta R.T. 0.094 min

Lab File: BF134665.D

Acq: 08 Aug 2023 11:35

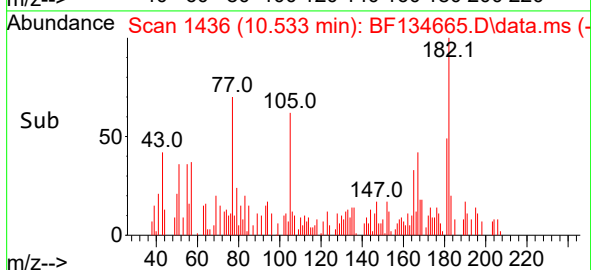
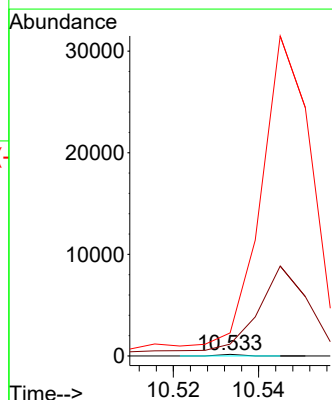
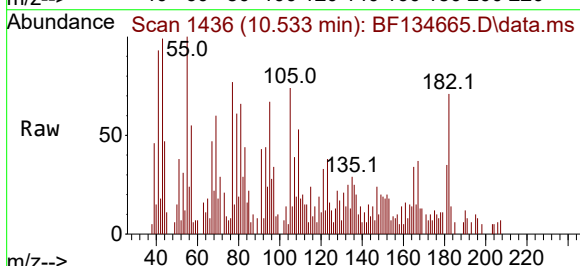
Tgt Ion:198 Resp: 55

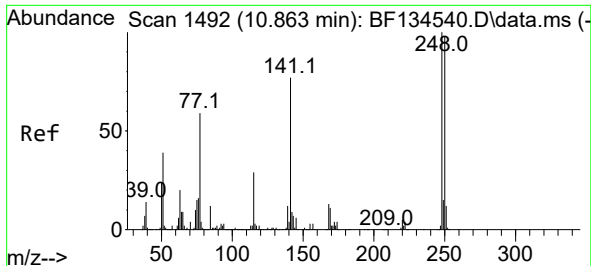
Ion Ratio Lower Upper

198 100

51 740.1 38.6 78.6#

105 1443.3 27.9 67.9#

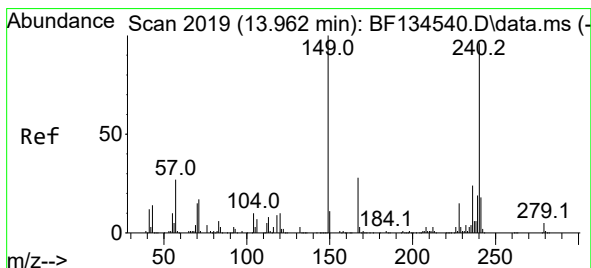
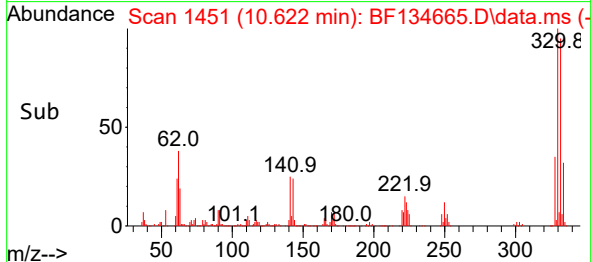
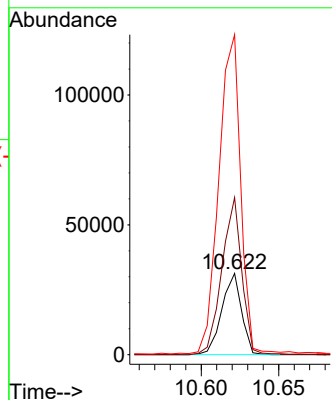
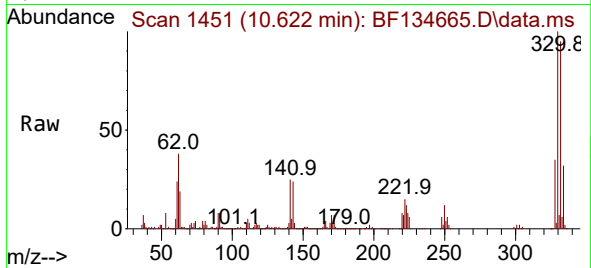




#67
4-Bromophenyl-phenylether
Concen: 4.089 ng
RT: 10.622 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

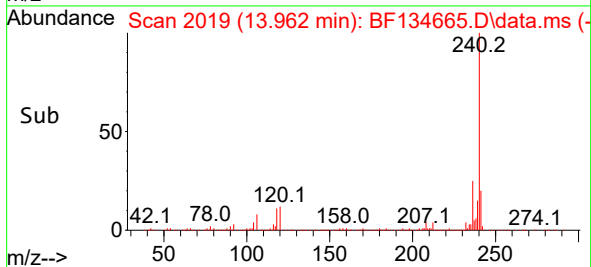
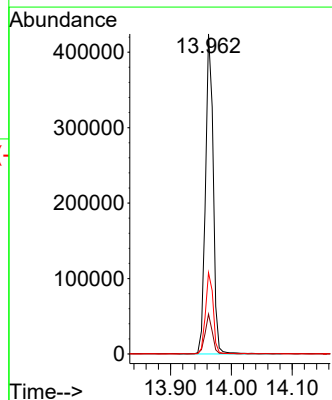
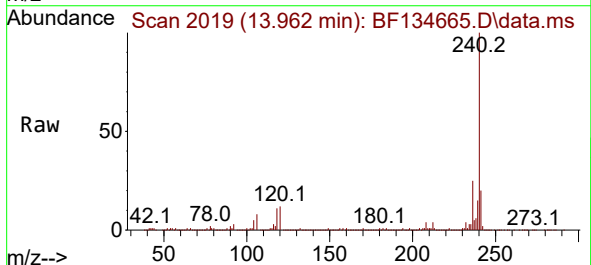
Instrument :
BNA_F
ClientSampleId :
MH-2

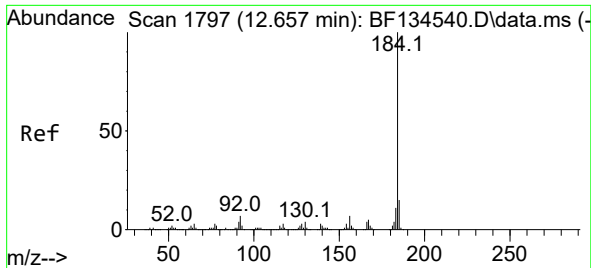
Tgt Ion:248 Resp: 27678
Ion Ratio Lower Upper
248 100
250 193.4 79.6 119.4#
141 394.0 59.6 89.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

Tgt Ion:240 Resp: 374434
Ion Ratio Lower Upper
240 100
120 12.5 6.6 10.0#
236 25.4 20.2 30.2

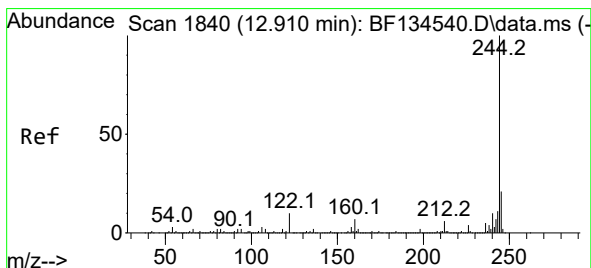
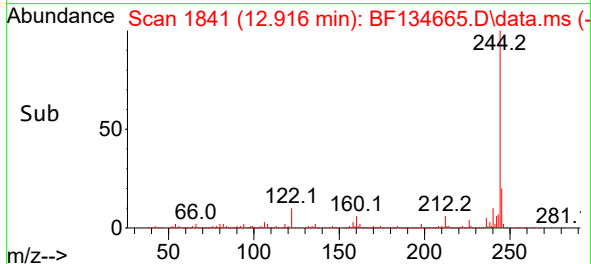
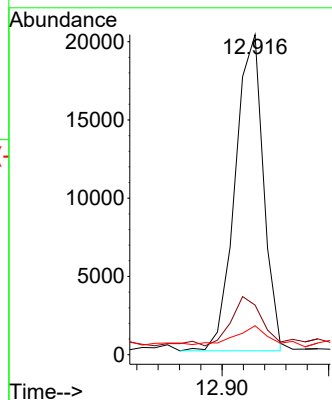
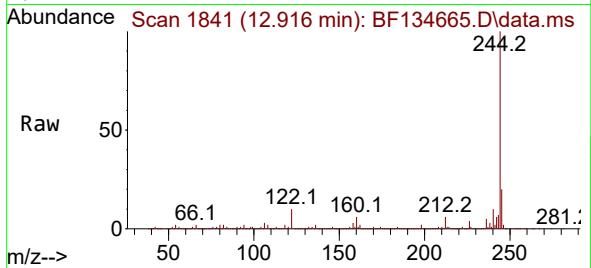




#77
Benzidine
Concen: 2.296 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.253 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

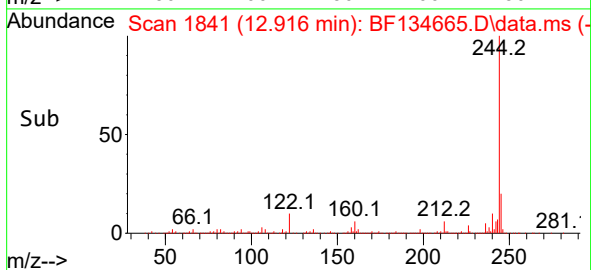
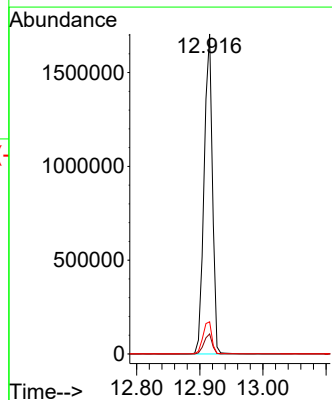
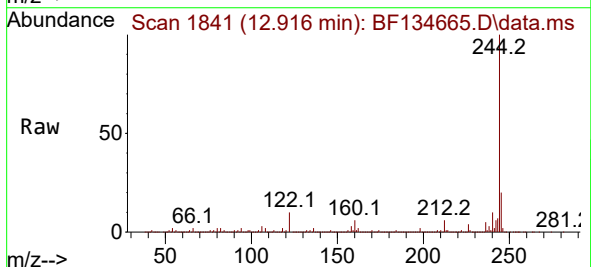
Instrument :
BNA_F
ClientSampleId :
MH-2

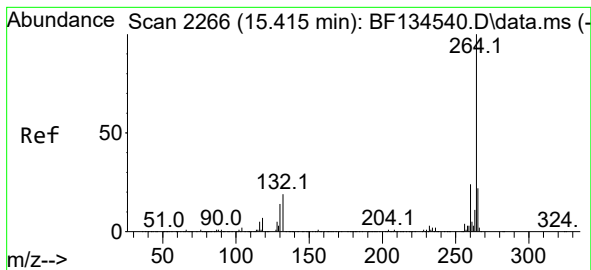
Tgt Ion:184 Resp: 18662
Ion Ratio Lower Upper
184 100
185 15.5 11.2 16.8
183 9.1 8.6 13.0



#79
Terphenyl-d14
Concen: 73.397 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134665.D
Acq: 08 Aug 2023 11:35

Tgt Ion:244 Resp: 1558964
Ion Ratio Lower Upper
244 100
212 6.2 5.6 8.4
122 10.1 8.0 12.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134665.D

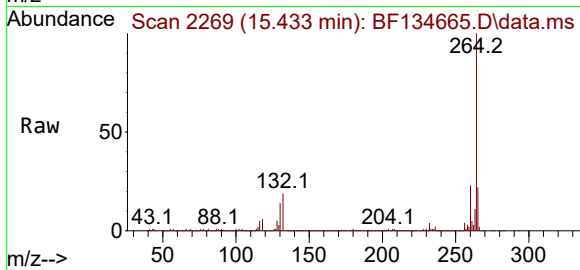
Acq: 08 Aug 2023 11:35

Instrument :

BNA_F

ClientSampleId :

MH-2



Tgt Ion:264 Resp: 374259

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

265 22.0 15.8 23.8

