

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080323\
 Data File : BF134605.D
 Acq On : 03 Aug 2023 11:28
 Operator : CG\JU
 Sample : 03715-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-21-16-18-20230719MS

Quant Time: Aug 04 01:05:36 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)

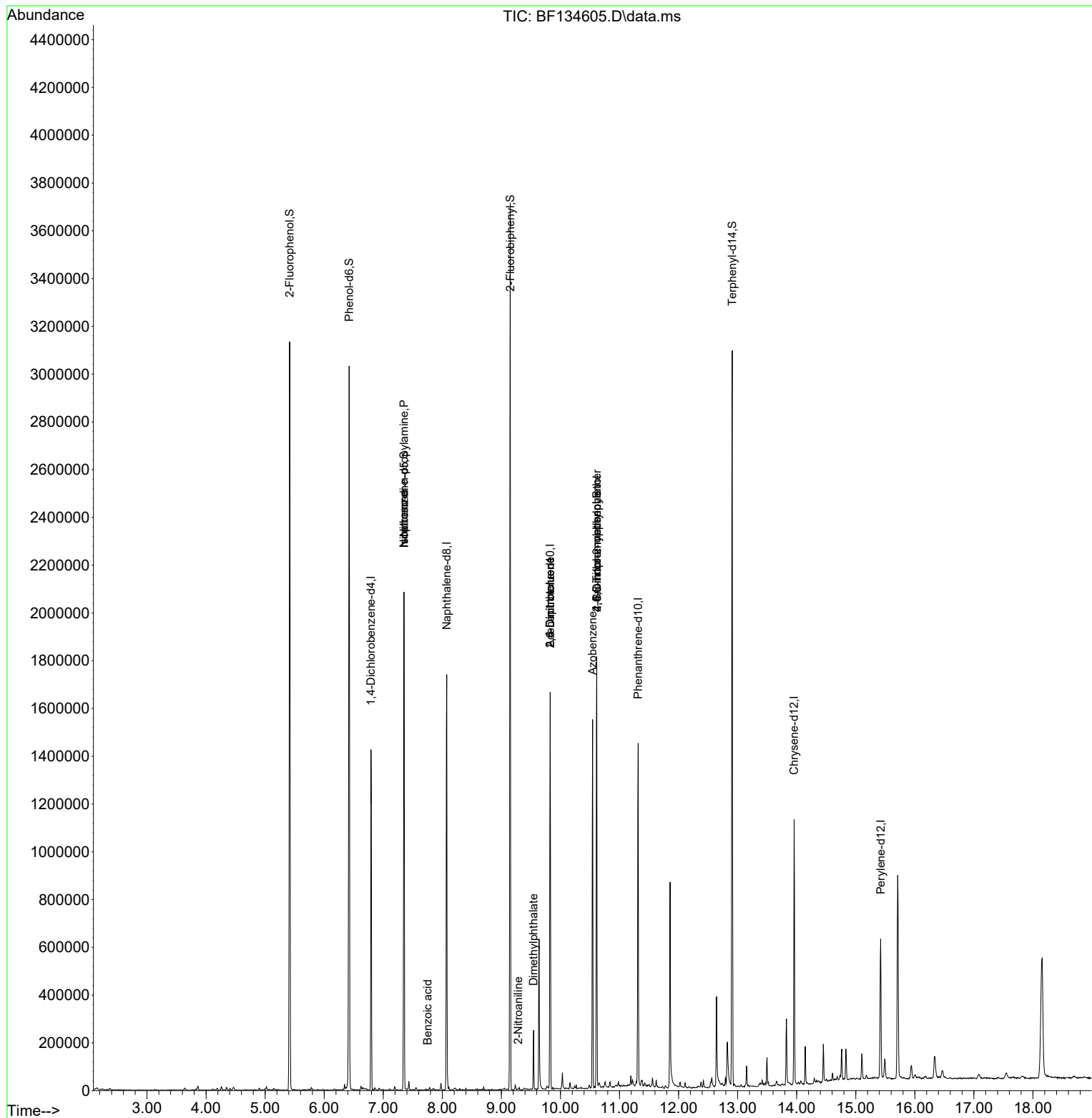
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	197357	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	713805	20.000	ng	# 0.00
39) Acenaphthene-d10	9.827	164	294274	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	488278	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	339109	20.000	ng	# 0.00
86) Perylene-d12	15.421	264	262570	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	825339	63.570	ng	0.00
7) Phenol-d6	6.422	99	1046482	63.054	ng	0.00
23) Nitrobenzene-d5	7.351	82	602446	52.743	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	203297	67.769	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1034899	58.473	ng	0.00
79) Terphenyl-d14	12.910	244	1049932	54.581	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.345	77	3800	Below Cal		94
19) n-Nitroso-di-n-propyla...	7.351	70	80308	8.082 ng	#	76
25) Isophorone	7.351	82	602219	24.173 ng	#	65
32) Benzoic acid	7.751	122	381	7.911 ng	#	73
48) 2-Nitroaniline	9.286	65	115	3.186 ng	#	8
50) Dimethylphthalate	9.545	163	82754	4.126 ng		99
51) 2,6-Dinitrotoluene	9.827	165	38153	11.297 ng	#	17
57) 2,4-Dinitrotoluene	9.827	165	38153	10.081 ng	#	18
63) Azobenzene	10.545	77	246172	12.052 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.616	198	428	8.876 ng	#	1
67) 4-Bromophenyl-phenylether	10.616	248	12754	2.386 ng	#	1

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

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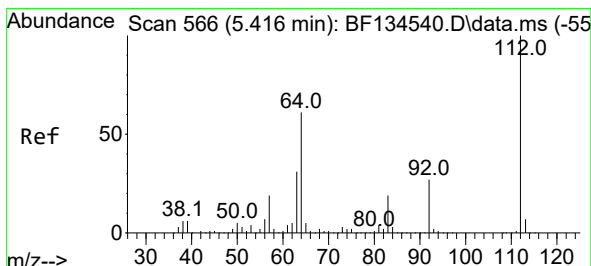
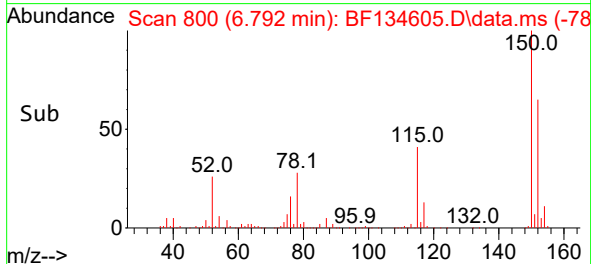
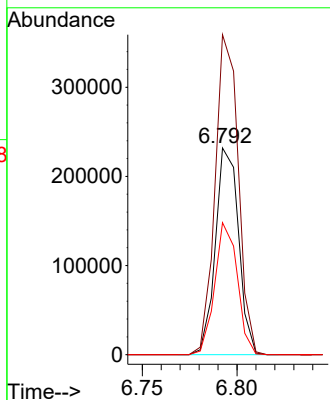
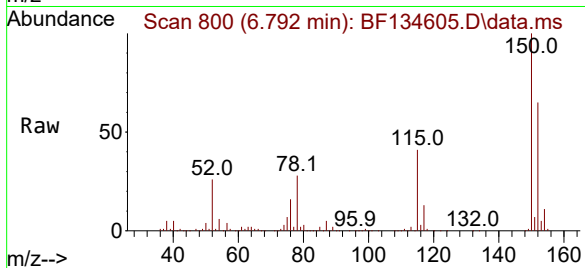




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

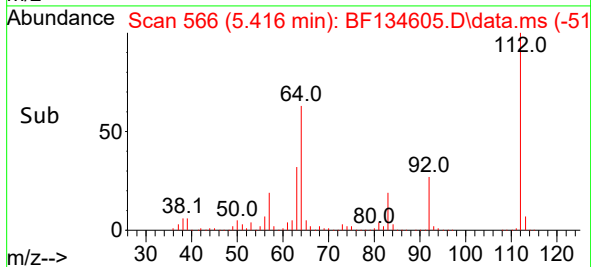
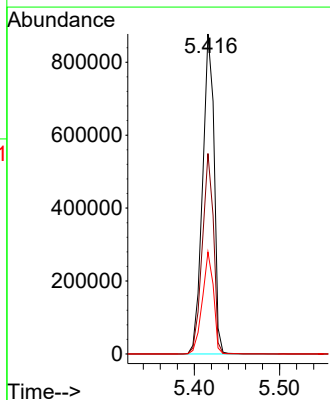
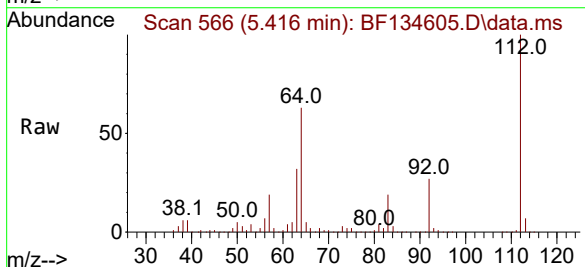
Instrument :
BNA_F
ClientSampleId :
SB-21-16-18-20230719MS

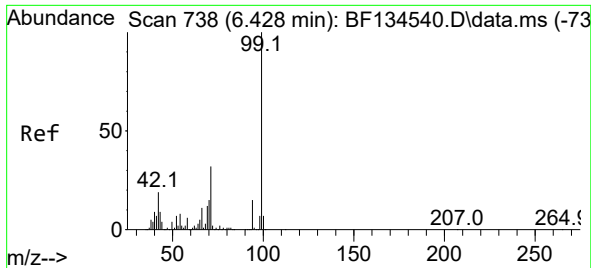
Tgt Ion:152 Resp: 197357
Ion Ratio Lower Upper
152 100
150 154.8 128.3 192.5
115 63.9 52.4 78.6



#5
2-Fluorophenol
Concen: 63.570 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

Tgt Ion:112 Resp: 825339
Ion Ratio Lower Upper
112 100
64 62.7 44.9 67.3
63 31.9 25.4 38.0

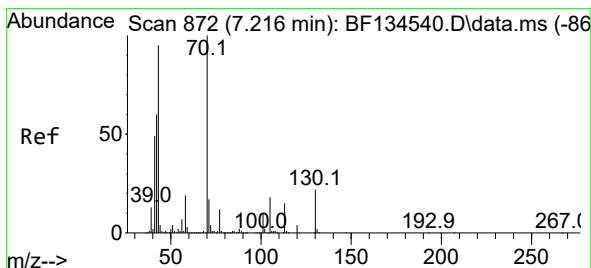
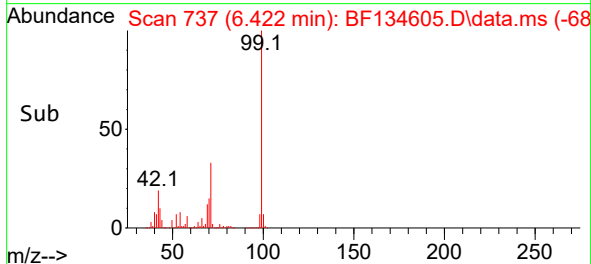
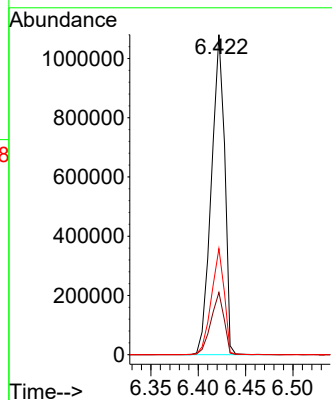
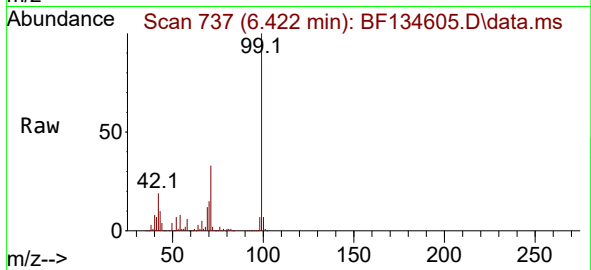




#7
Phenol-d6
Concen: 63.054 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

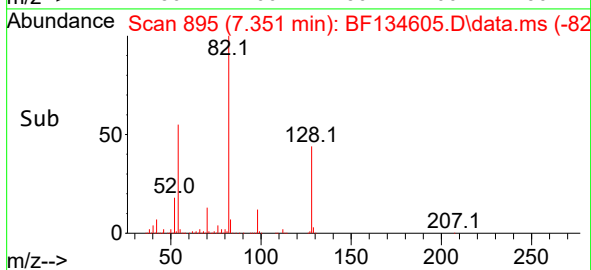
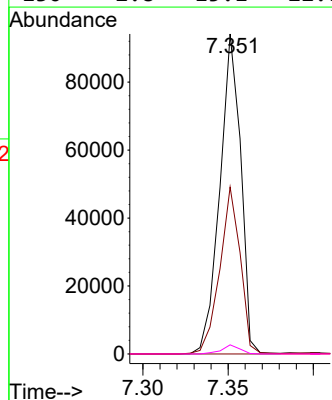
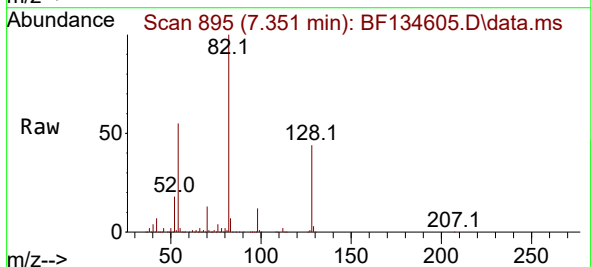
Instrument :
BNA_F
ClientSampleId :
SB-21-16-18-20230719MS

Tgt Ion: 99 Resp: 1046482
Ion Ratio Lower Upper
99 100
42 19.4 18.7 28.1
71 33.2 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 8.082 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

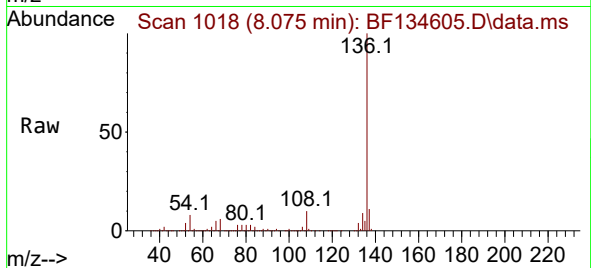
Tgt Ion: 70 Resp: 80308
Ion Ratio Lower Upper
70 100
42 52.1 54.7 82.1#
101 0.0 8.2 12.2#
130 2.8 15.1 22.7#



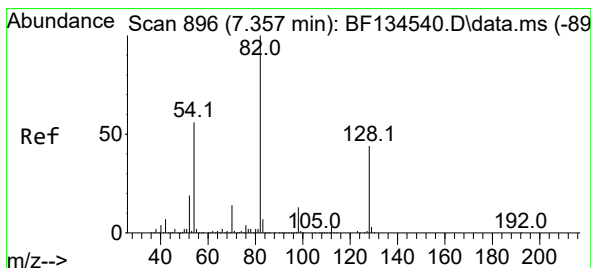
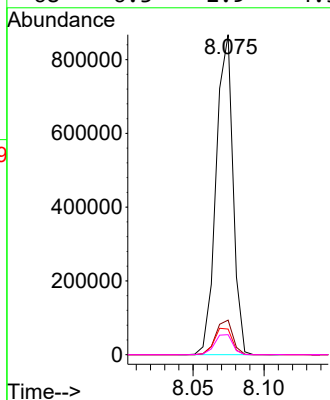
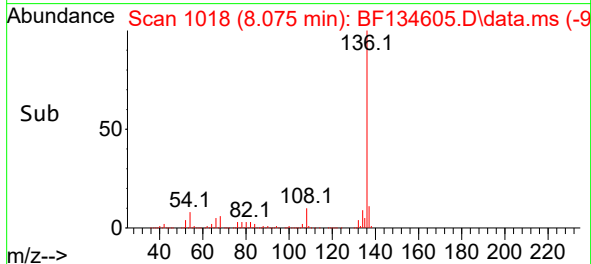


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

Instrument :
BNA_F
ClientSampleId :
SB-21-16-18-20230719MS

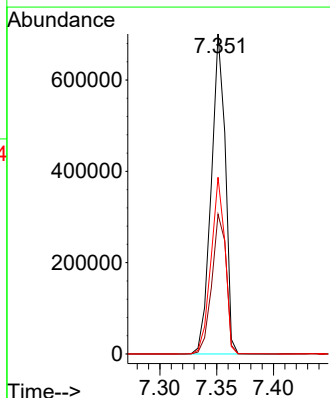
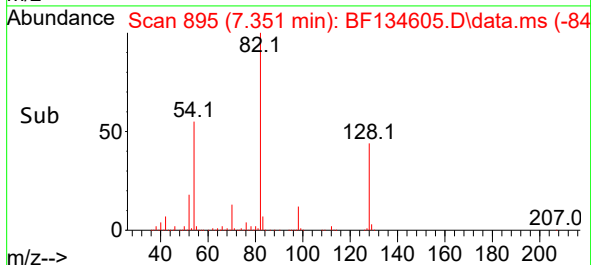
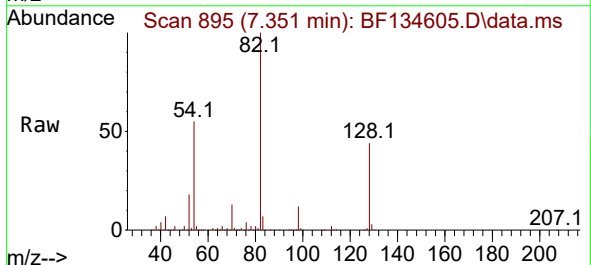


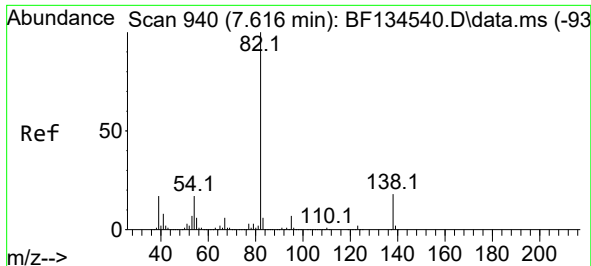
Tgt Ion:136 Resp: 713805
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 8.0 5.2 7.8#
68 6.3 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 52.743 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

Tgt Ion: 82 Resp: 602446
Ion Ratio Lower Upper
82 100
128 43.7 34.3 51.5
54 55.2 43.8 65.6

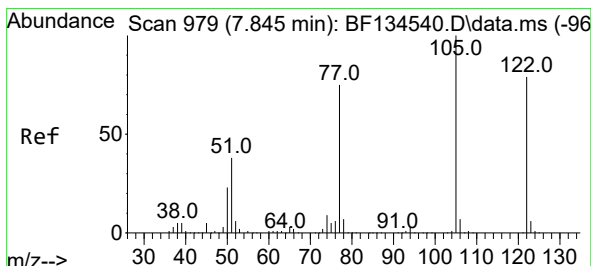
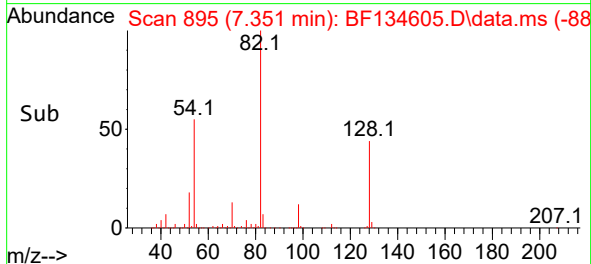
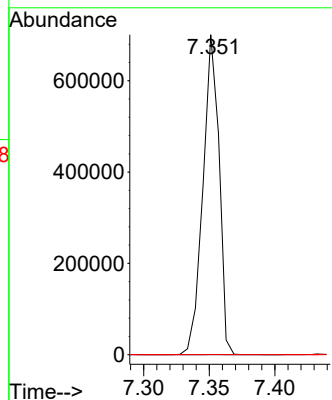
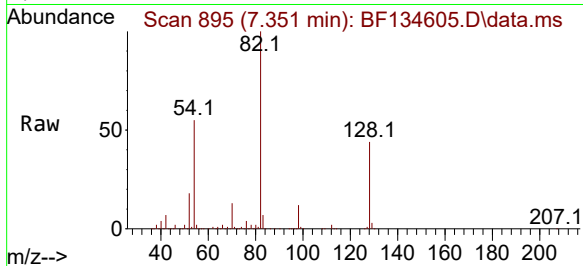




#25
Isophorone
Concen: 24.173 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

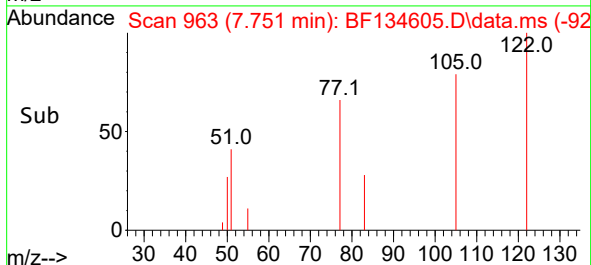
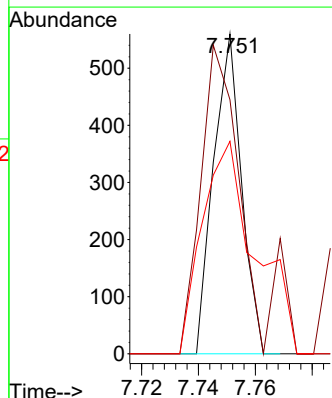
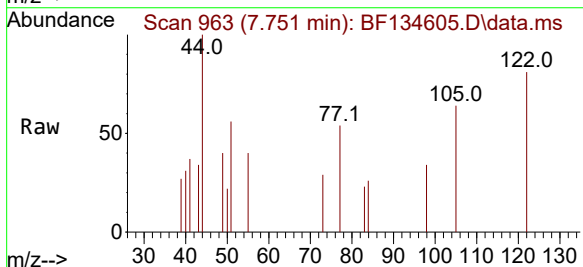
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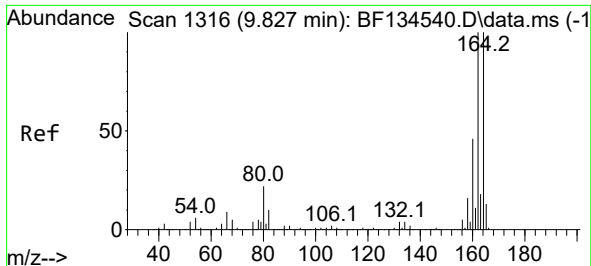
Tgt Ion: 82 Resp: 602219
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.911 ng
RT: 7.751 min Scan# 963
Delta R.T. -0.094 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

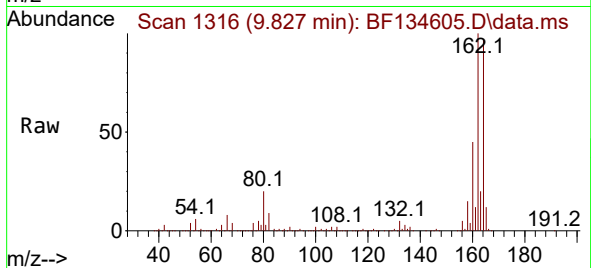
Tgt Ion: 122 Resp: 381
Ion Ratio Lower Upper
122 100
105 79.5 87.5 127.5#
77 66.4 71.4 111.4#



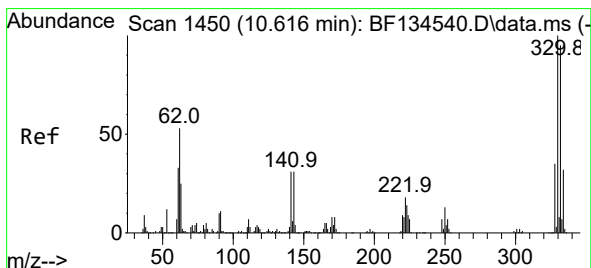
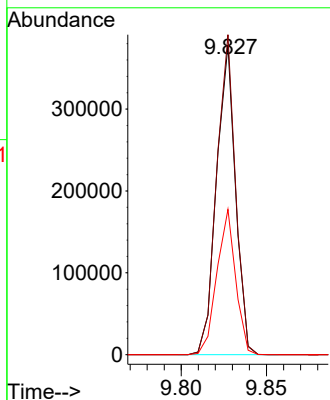
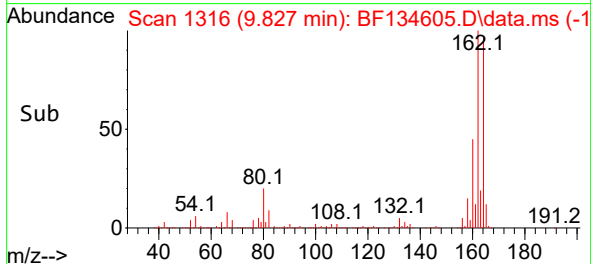


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

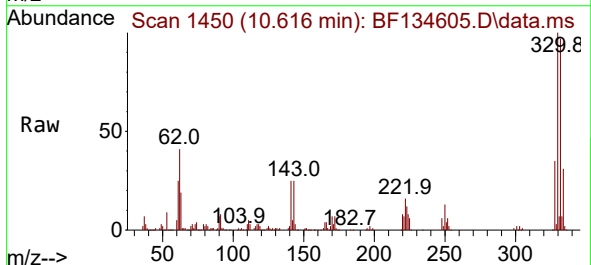
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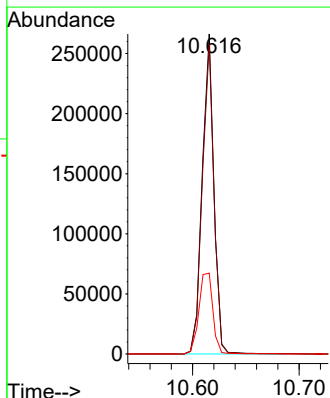
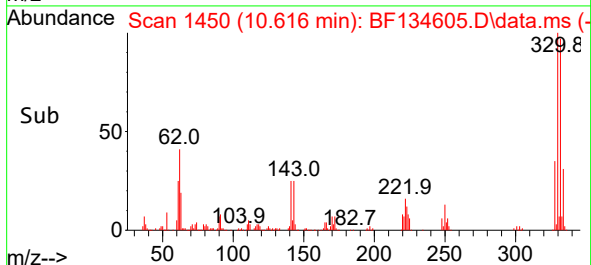
Tgt Ion:164 Resp: 294274
Ion Ratio Lower Upper
164 100
162 103.3 82.6 123.8
160 46.9 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 67.769 ng
RT: 10.616 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28



Tgt Ion:330 Resp: 203297
Ion Ratio Lower Upper
330 100
332 96.8 78.8 118.2
141 30.3 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 58.473 ng

RT: 9.151 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF134605.D

Acq: 03 Aug 2023 11:28

Instrument :

BNA_F

ClientSampleId :

SB-21-16-18-20230719MS

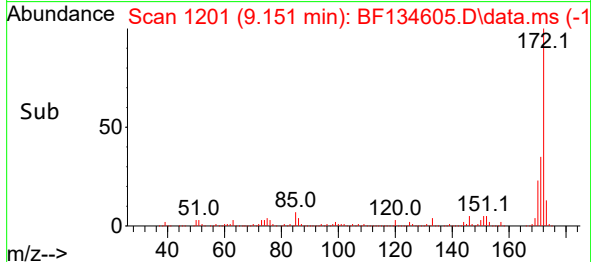
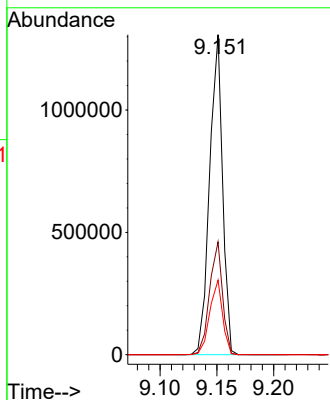
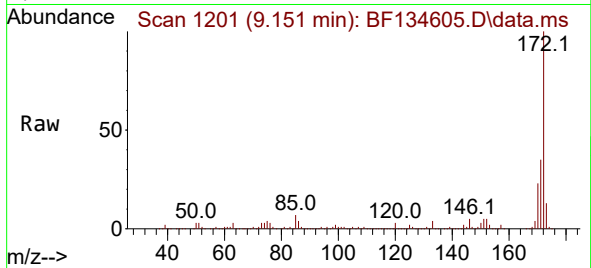
Tgt Ion:172 Resp: 1034899

Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.3 18.7 28.1



#48

2-Nitroaniline

Concen: 3.186 ng

RT: 9.286 min Scan# 1224

Delta R.T. -0.083 min

Lab File: BF134605.D

Acq: 03 Aug 2023 11:28

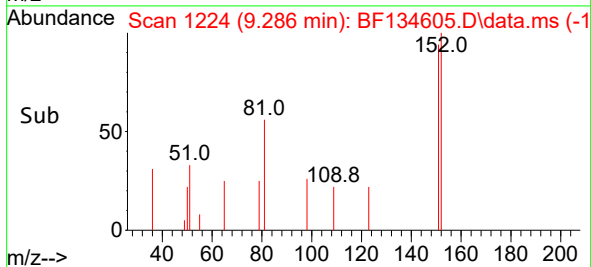
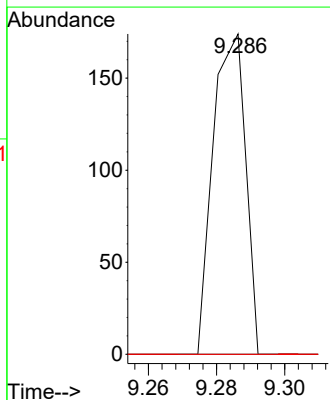
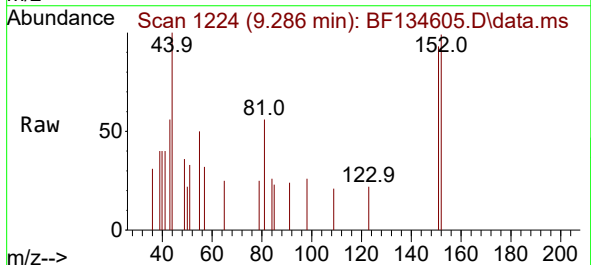
Tgt Ion: 65 Resp: 115

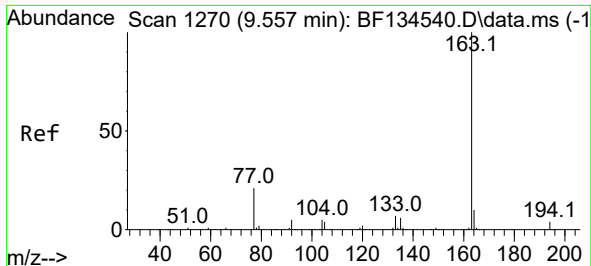
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

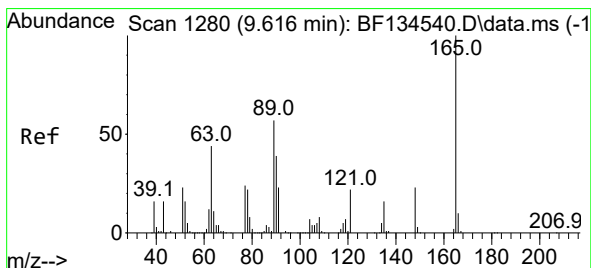
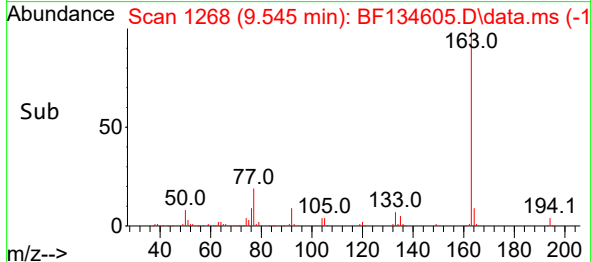
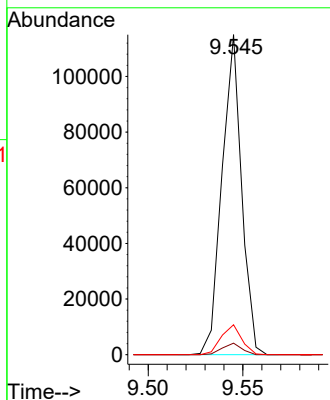
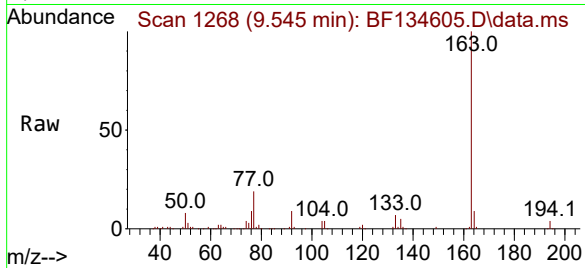




#50
Dimethylphthalate
Concen: 4.126 ng
RT: 9.545 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

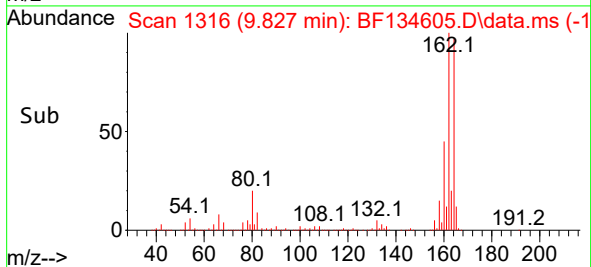
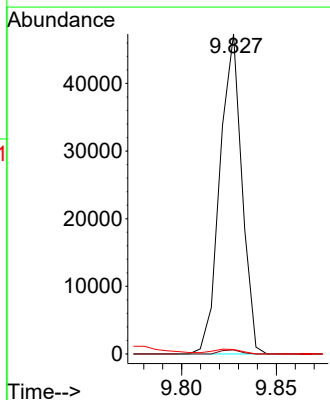
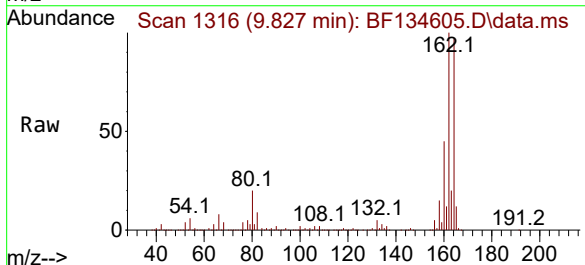
Instrument : BNA_F
ClientSampleId : SB-21-16-18-20230719MS

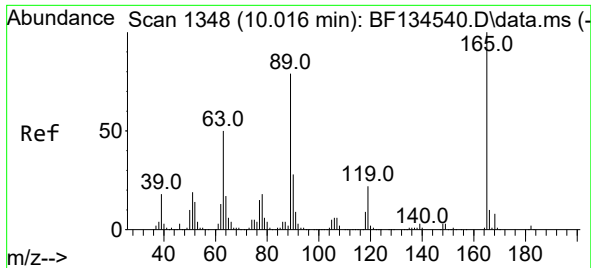
Tgt Ion:163 Resp: 82754
Ion Ratio Lower Upper
163 100
194 3.6 3.3 4.9
164 9.4 7.5 11.3



#51
2,6-Dinitrotoluene
Concen: 11.297 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.211 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

Tgt Ion:165 Resp: 38153
Ion Ratio Lower Upper
165 100
63 1.3 57.8 86.6#
89 1.4 51.8 77.8#

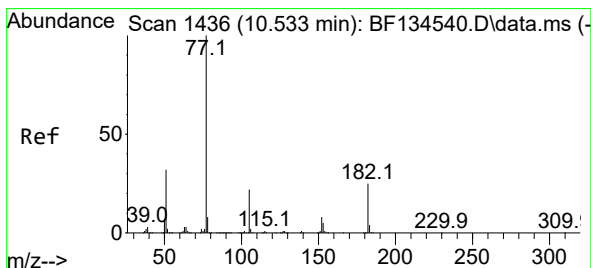
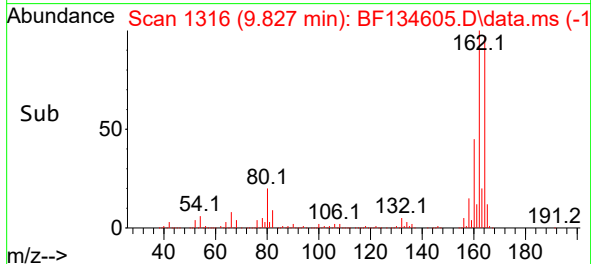
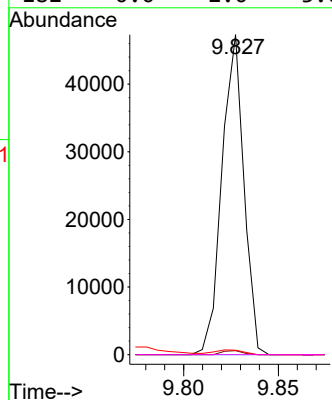
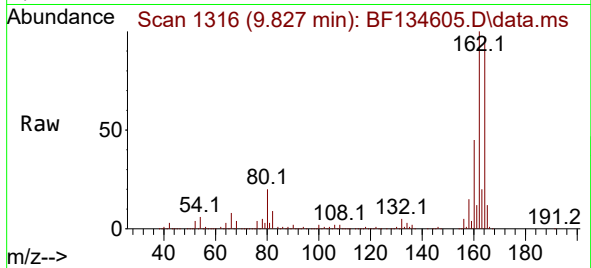




#57
2,4-Dinitrotoluene
Concen: 10.081 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

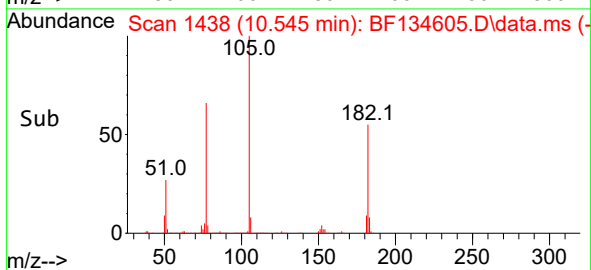
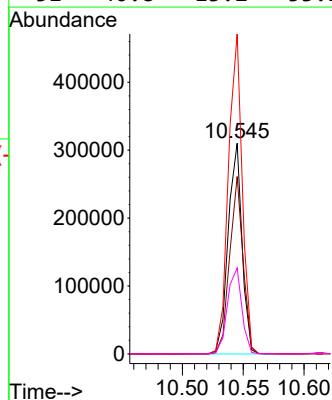
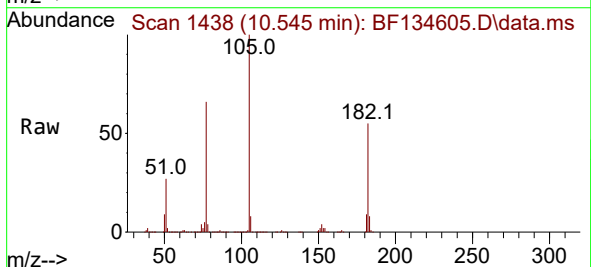
Instrument :
BNA_F
ClientSampleId :
SB-21-16-18-20230719MS

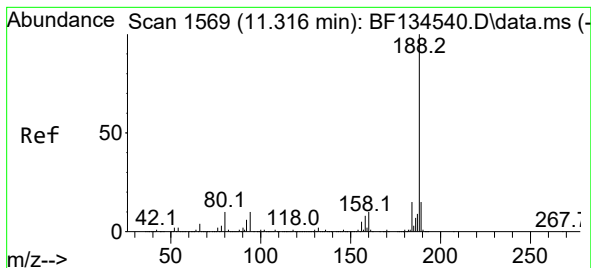
Tgt Ion:165 Resp: 38153
Ion Ratio Lower Upper
165 100
63 1.3 48.9 73.3#
89 1.4 61.7 92.5#
182 0.0 2.0 3.0#



#63
Azobenzene
Concen: 12.052 ng
RT: 10.545 min Scan# 1438
Delta R.T. 0.012 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

Tgt Ion: 77 Resp: 246172
Ion Ratio Lower Upper
77 100
182 84.2 7.5 47.5#
105 151.9 1.9 41.9#
51 40.8 13.2 53.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134605.D

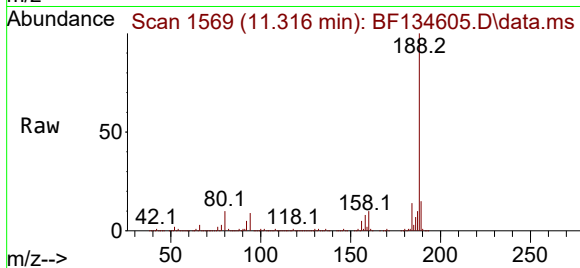
Acq: 03 Aug 2023 11:28

Instrument :

BNA_F

ClientSampleId :

SB-21-16-18-20230719MS



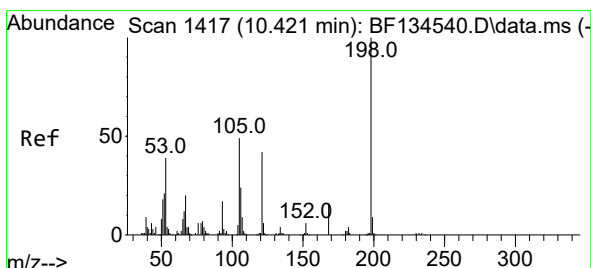
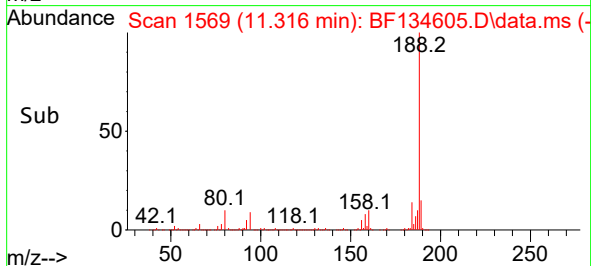
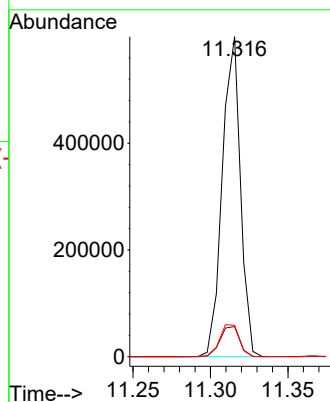
Tgt Ion:188 Resp: 488278

Ion Ratio Lower Upper

188 100

94 9.4 5.1 7.7#

80 9.8 6.6 9.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.876 ng

RT: 10.616 min Scan# 1450

Delta R.T. 0.195 min

Lab File: BF134605.D

Acq: 03 Aug 2023 11:28

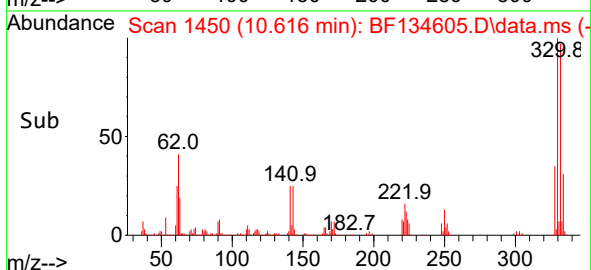
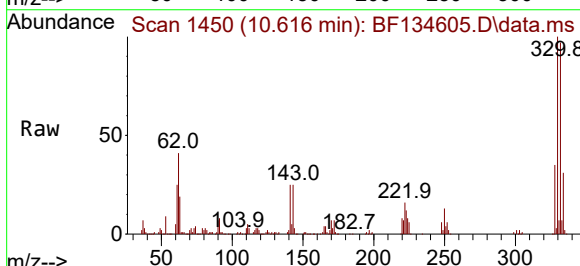
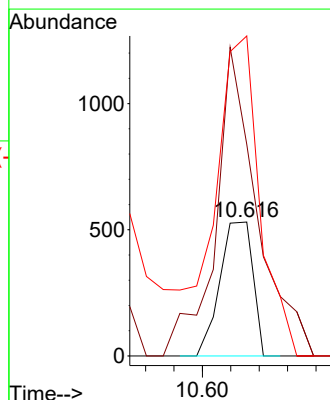
Tgt Ion:198 Resp: 428

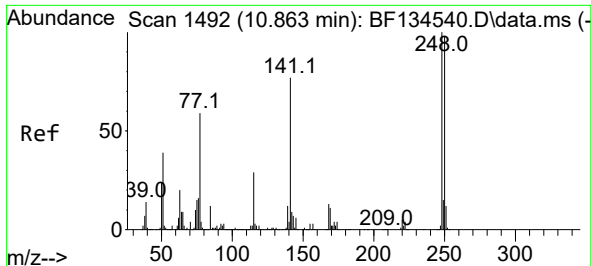
Ion Ratio Lower Upper

198 100

51 158.0 38.6 78.6#

105 238.8 27.9 67.9#

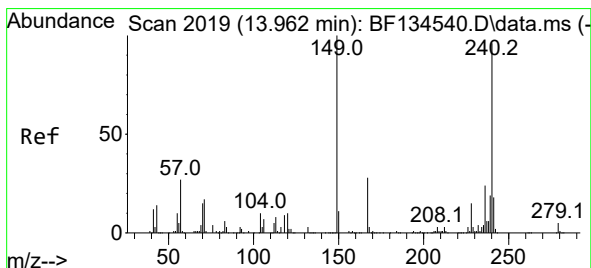
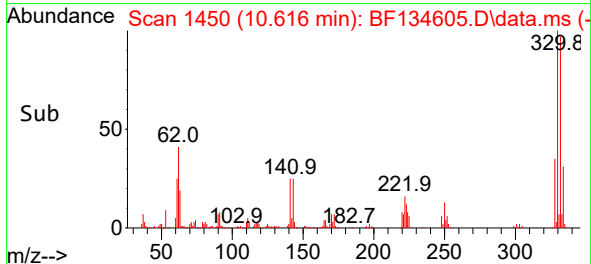
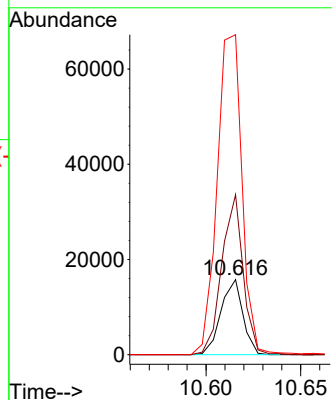
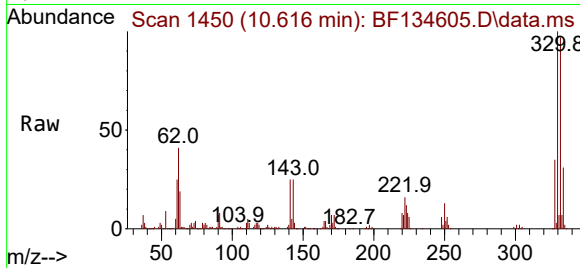




#67
4-Bromophenyl-phenylether
Concen: 2.386 ng
RT: 10.616 min Scan# 1492
Delta R.T. -0.247 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

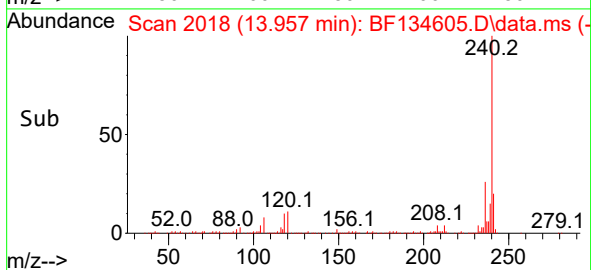
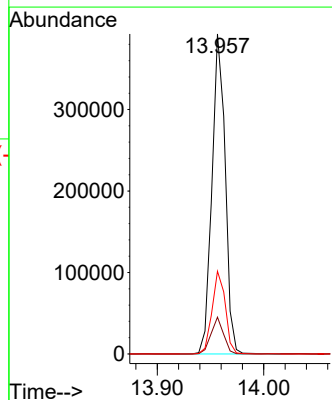
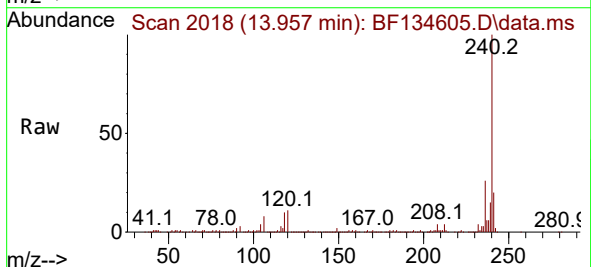
Instrument :
BNA_F
ClientSampleId :
SB-21-16-18-20230719MS

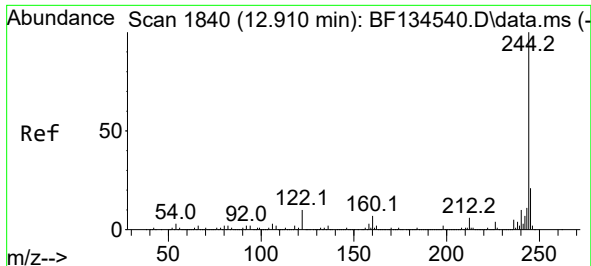
Tgt Ion:248 Resp: 12754
Ion Ratio Lower Upper
248 100
250 213.5 79.6 119.4#
141 426.8 59.6 89.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF134605.D
Acq: 03 Aug 2023 11:28

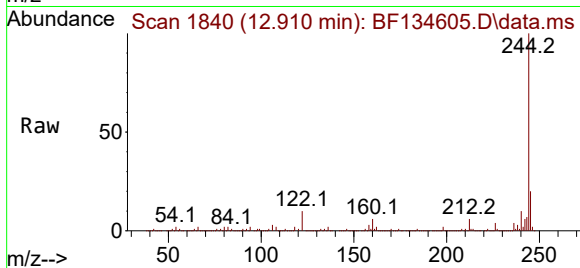
Tgt Ion:240 Resp: 339109
Ion Ratio Lower Upper
240 100
120 11.5 6.6 10.0#
236 25.9 20.2 30.2



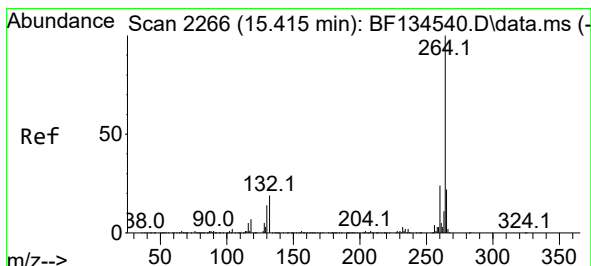
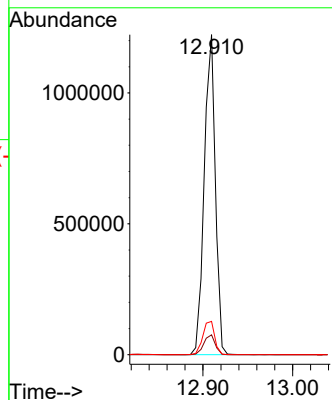
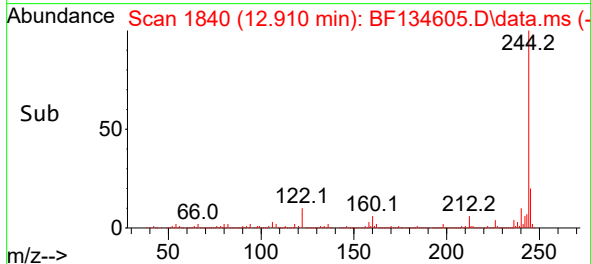


#79
 Terphenyl-d14
 Concen: 54.581 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. 0.000 min
 Lab File: BF134605.D
 Acq: 03 Aug 2023 11:28

Instrument :
 BNA_F
 ClientSampleId :
 SB-21-16-18-20230719MS



Tgt Ion:244 Resp: 1049932
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.6 8.4
 122 10.4 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: BF134605.D
 Acq: 03 Aug 2023 11:28

Tgt Ion:264 Resp: 262570
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.4 27.6
 265 21.1 15.8 23.8

