

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
 Data File : BF134849.D
 Acq On : 18 Aug 2023 19:50
 Operator : CG\JU
 Sample : 04022-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-16

Quant Time: Aug 19 01:46:17 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)

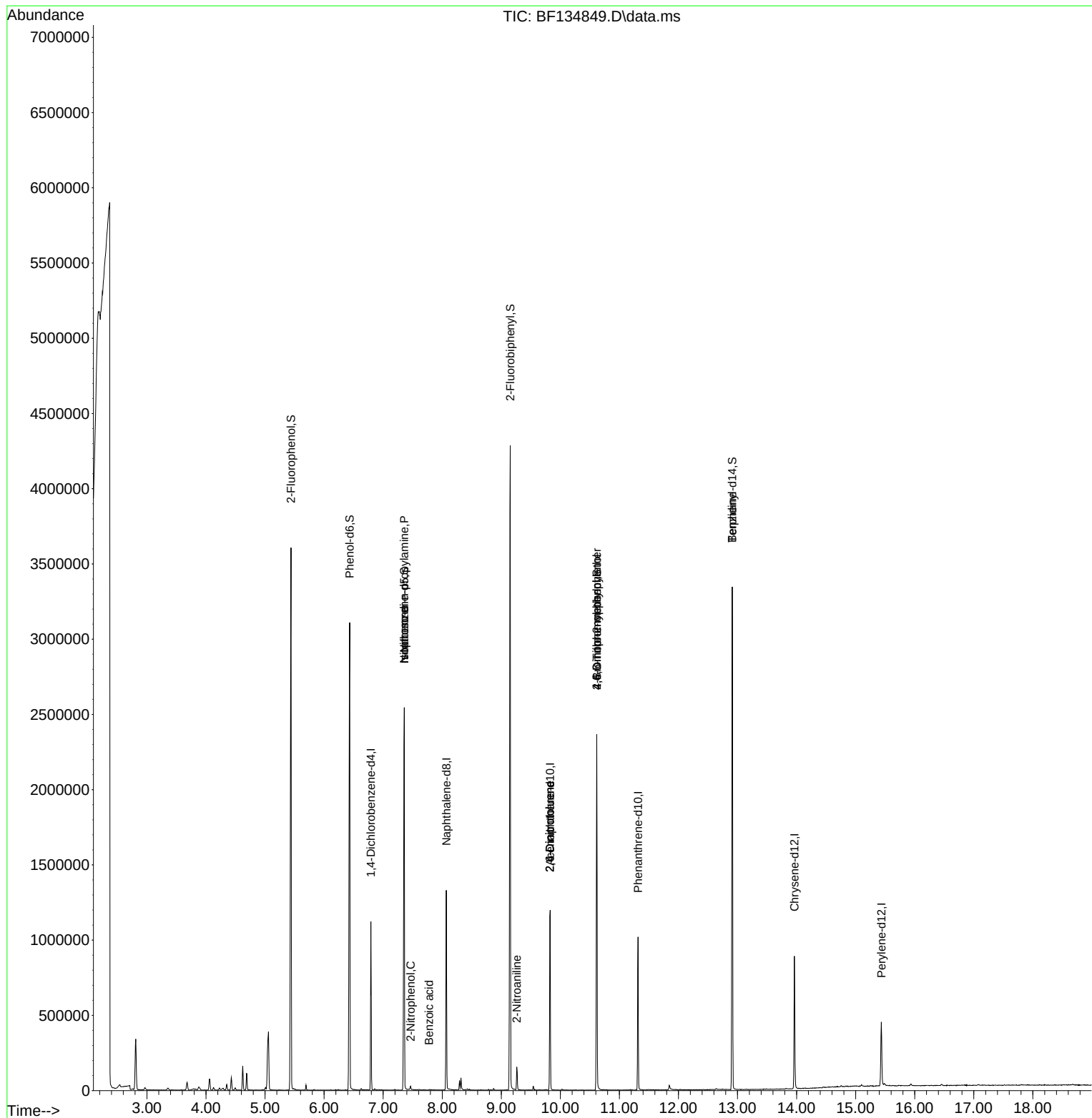
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	145626	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	556608	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	256001	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	354370	20.000	ng	# 0.00
76) Chrysene-d12	13.963	240	292664	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	201001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1019027	106.370	ng	0.01
7) Phenol-d6	6.434	99	1152116	94.079	ng	0.00
23) Nitrobenzene-d5	7.357	82	853356	95.810	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	299260	114.673	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	1436949	93.328	ng	-0.01
79) Terphenyl-d14	12.910	244	1233647	74.309	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.434	77	1868	Below Cal	Qvalue	# 3
19) n-Nitroso-di-n-propyla...	7.357	70	115326	15.729	ng	# 71
25) Isophorone	7.357	82	848899	43.698	ng	# 65
26) 2-Nitrophenol	7.463	139	64	4.806	ng	# 29
32) Benzoic acid	7.775	122	1270	8.055	ng	93
48) 2-Nitroaniline	9.263	65	1337	3.435	ng	# 15
51) 2,6-Dinitrotoluene	9.822	165	33293	11.324	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	33293	10.103	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	727	9.115	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	19051	4.911	ng	# 1
77) Benzidine	12.910	184	14939	2.351	ng	# 91

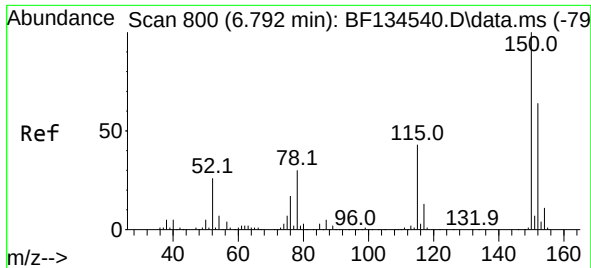
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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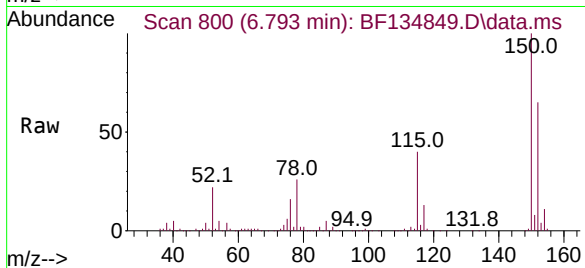
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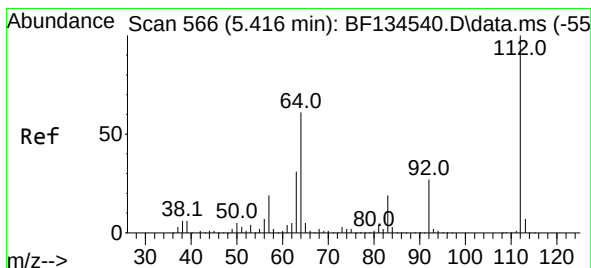
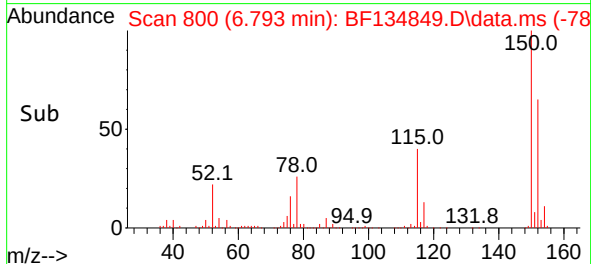
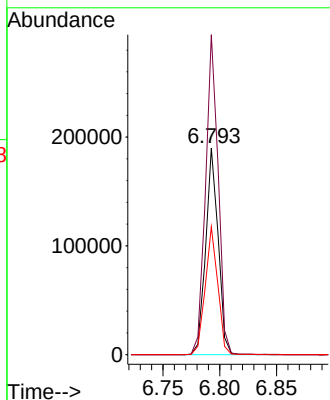


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

Instrument :
BNA_F
ClientSampleId :
TP-16

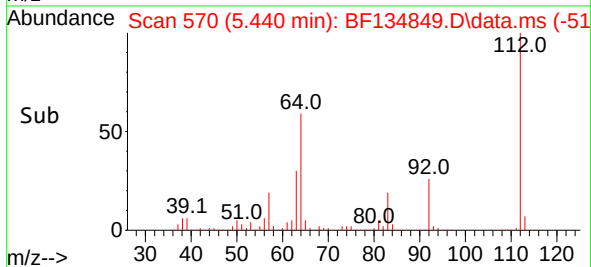
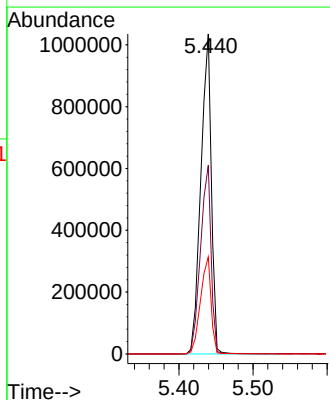
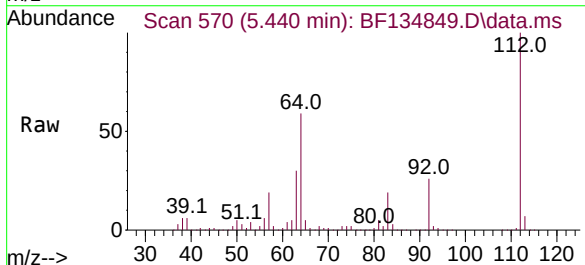


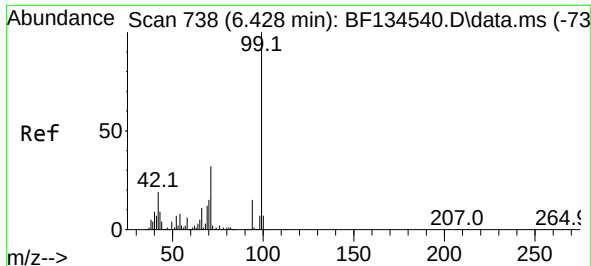
Tgt Ion:152 Resp: 145626
Ion Ratio Lower Upper
152 100
150 154.9 128.3 192.5
115 61.8 52.4 78.6



#5
2-Fluorophenol
Concen: 106.370 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

Tgt Ion:112 Resp: 1019027
Ion Ratio Lower Upper
112 100
64 58.9 44.9 67.3
63 30.3 25.4 38.0





#7
Phenol-d6
Concen: 94.079 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

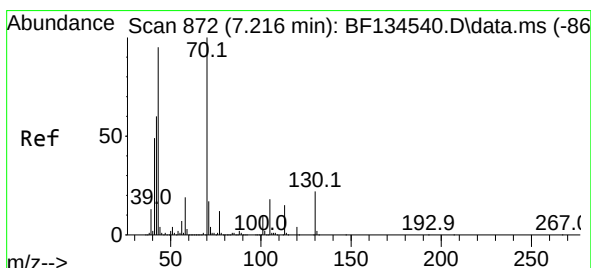
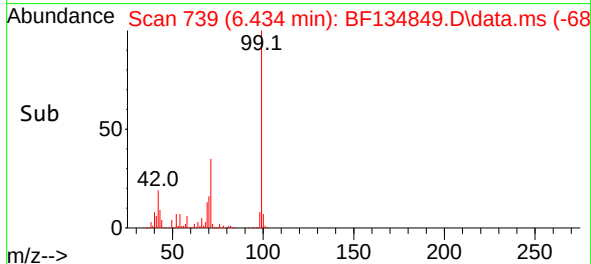
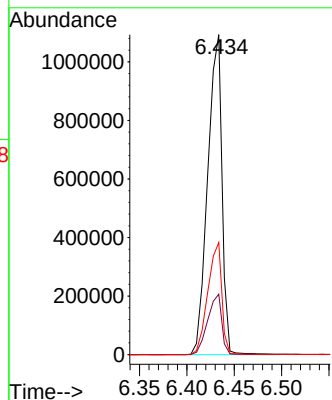
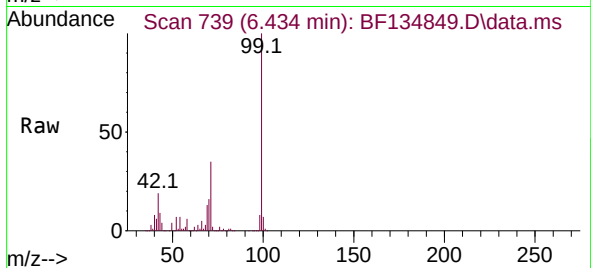
Instrument :

BNA_F

ClientSampleId :

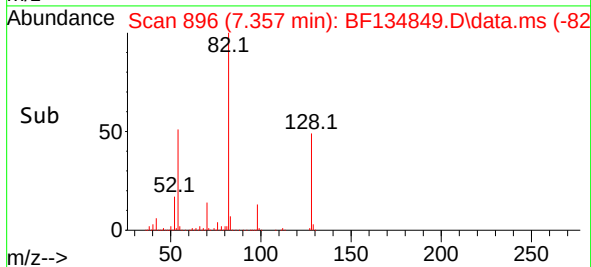
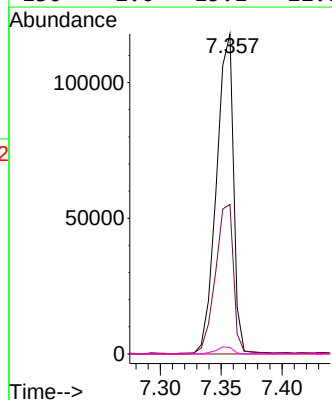
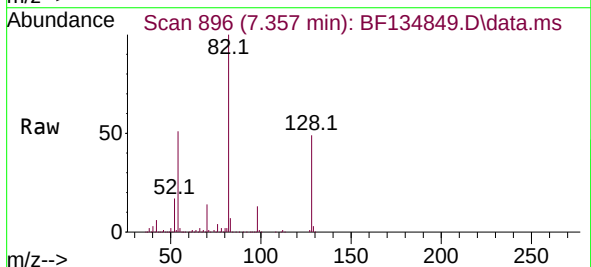
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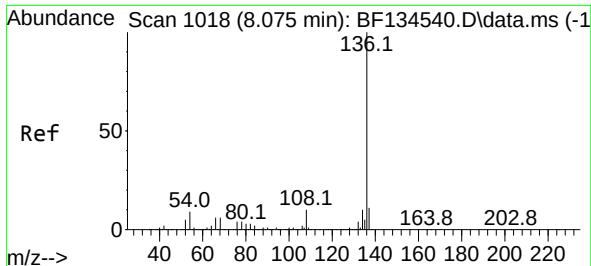
Tgt Ion: 99 Resp: 1152116
Ion Ratio Lower Upper
99 100
42 18.9 18.7 28.1
71 35.0 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 15.729 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

Tgt Ion: 70 Resp: 115326
Ion Ratio Lower Upper
70 100
42 46.7 54.7 82.1#
101 0.0 8.2 12.2#
130 2.0 15.1 22.7#

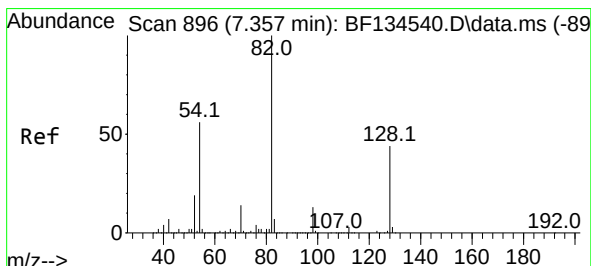
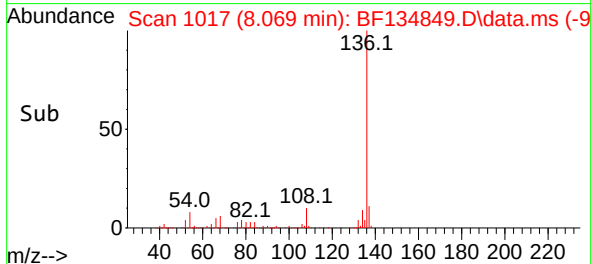
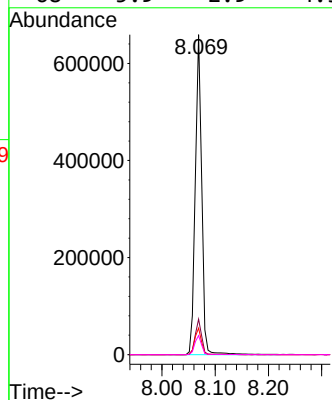
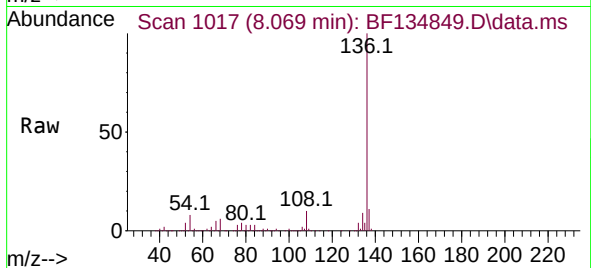




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

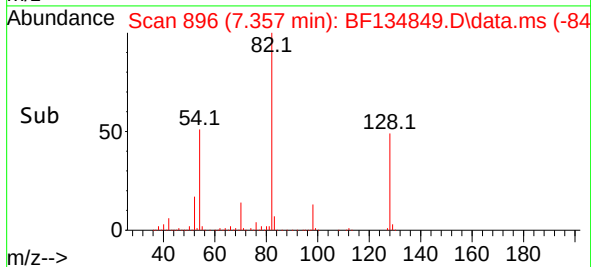
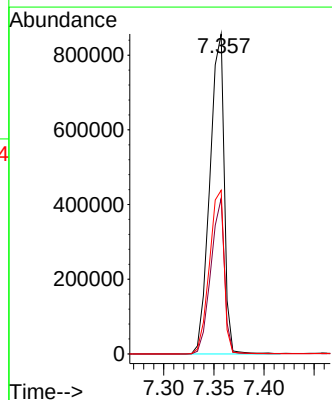
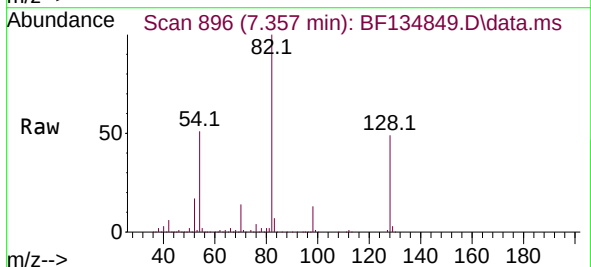
Instrument :
BNA_F
ClientSampleId :
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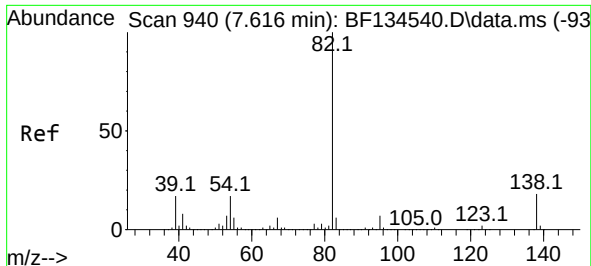
Tgt Ion:	136	Resp:	556608
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.4	12.6
54	8.3	5.2	7.8#
68	5.9	2.9	4.3#



#23
Nitrobenzene-d5
Concen: 95.810 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

Tgt Ion:	82	Resp:	853356
Ion Ratio	Lower	Upper	
82	100		
128	48.6	34.3	51.5
54	51.1	43.8	65.6

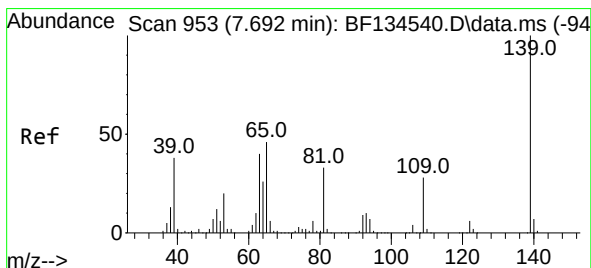
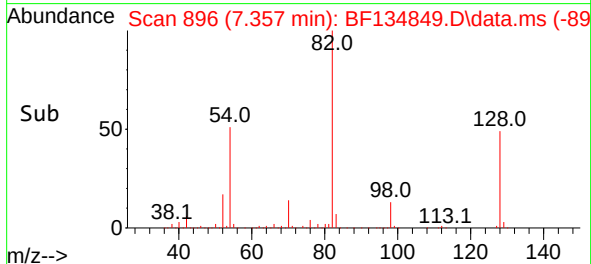
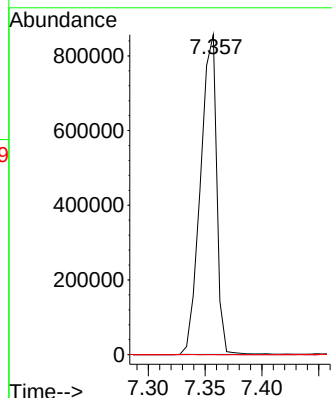
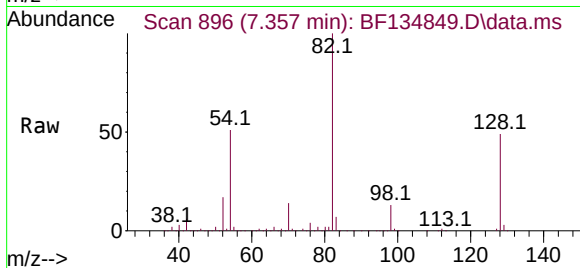




#25
Isophorone
Concen: 43.698 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

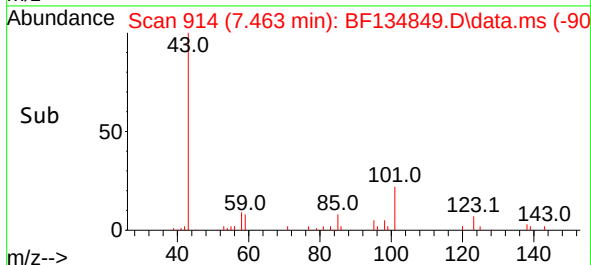
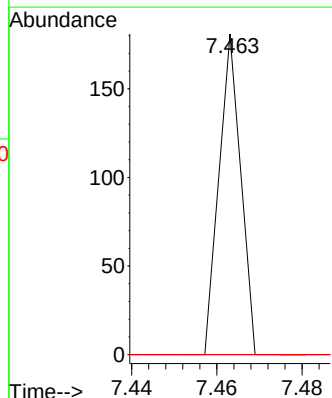
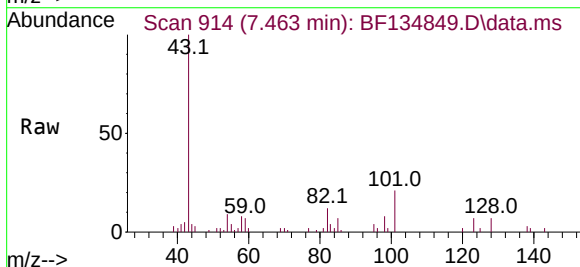
Instrument :
BNA_F
ClientSampleId :
TP-16

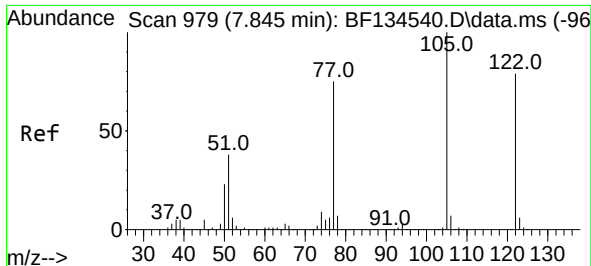
Tgt Ion: 82 Resp: 848899
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#26
2-Nitrophenol
Concen: 4.806 ng
RT: 7.463 min Scan# 914
Delta R.T. -0.235 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

Tgt Ion:139 Resp: 64
Ion Ratio Lower Upper
139 100
109 0.0 29.8 44.6#
65 0.0 45.4 68.2#

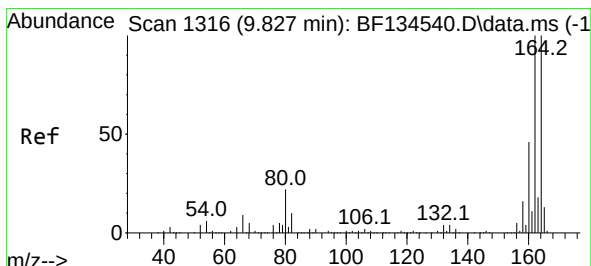
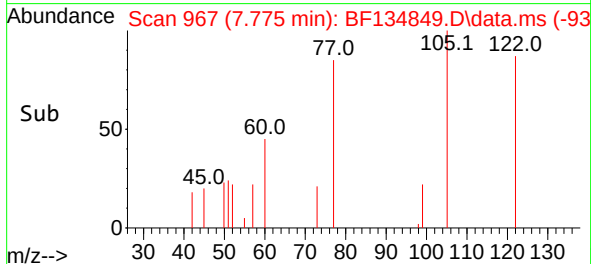
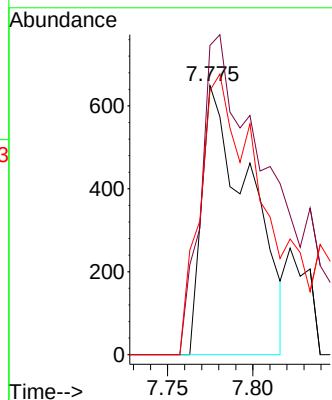
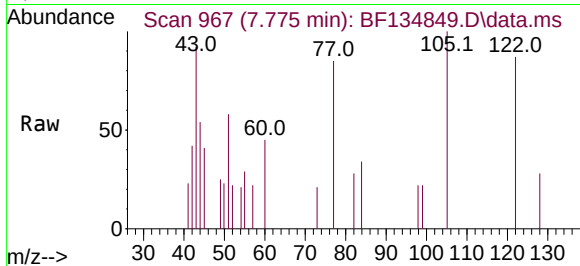




#32
Benzoic acid
Concen: 8.055 ng
RT: 7.775 min Scan# 90
Delta R.T. -0.088 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

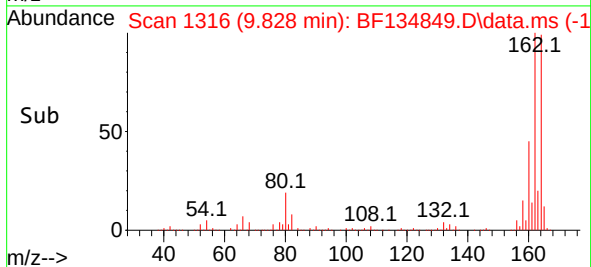
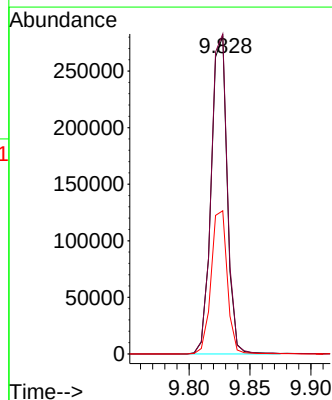
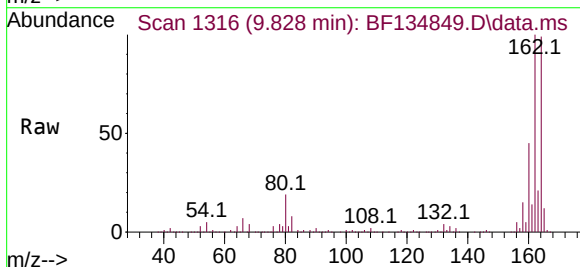
Instrument :
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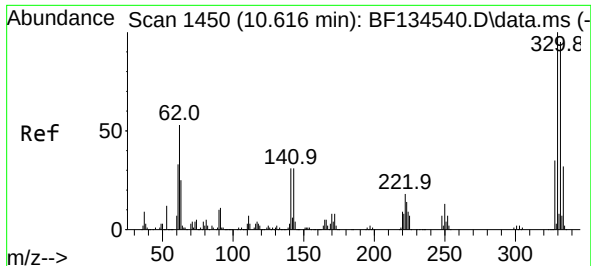
Tgt Ion:	122	Resp:	1270
Ion	Ratio	Lower	Upper
122	100		
105	114.9	87.5	127.5
77	98.2	71.4	111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

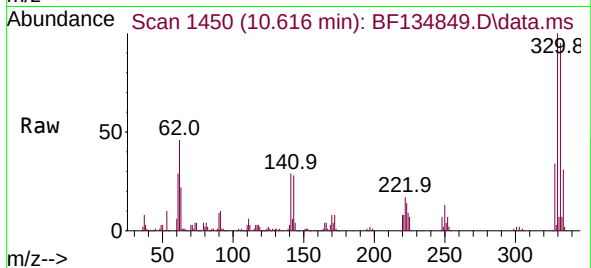
Tgt Ion:	164	Resp:	256001
Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.6	123.8
160	45.1	37.2	55.8



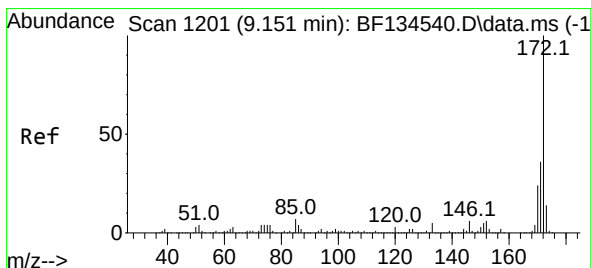
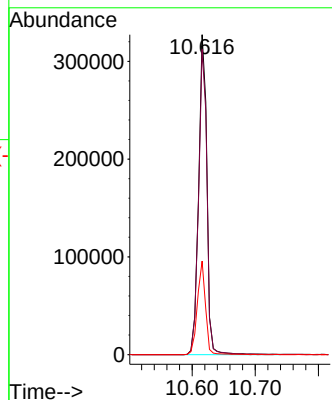
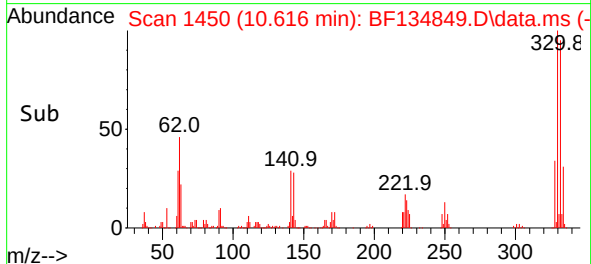


#42
2,4,6-Tribromophenol
Concen: 114.673 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

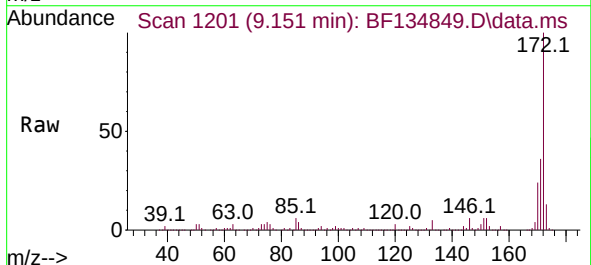
Instrument :
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ClientSampleId :
TP-16



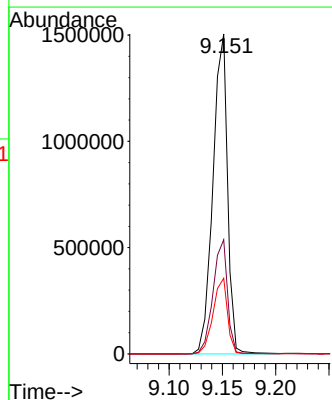
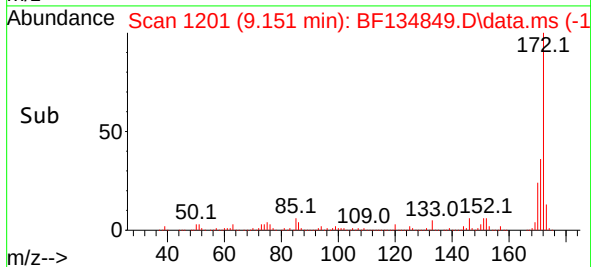
Tgt Ion:330 Resp: 299260
Ion Ratio Lower Upper
330 100
332 96.4 78.8 118.2
141 28.7 25.4 38.2

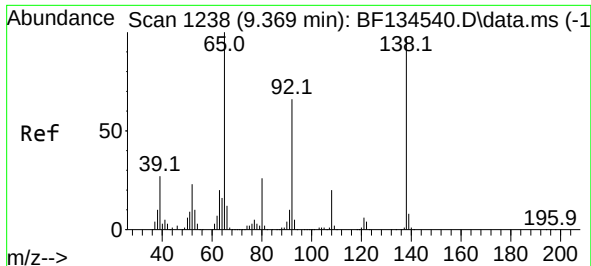


#45
2-Fluorobiphenyl
Concen: 93.328 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50



Tgt Ion:172 Resp: 1436949
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.6 18.7 28.1

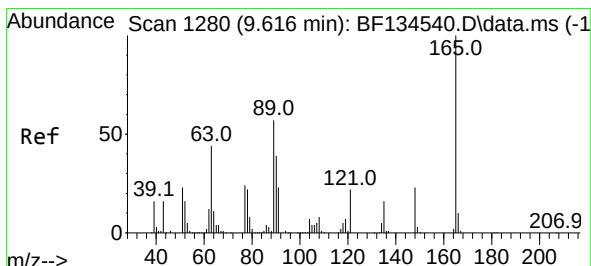
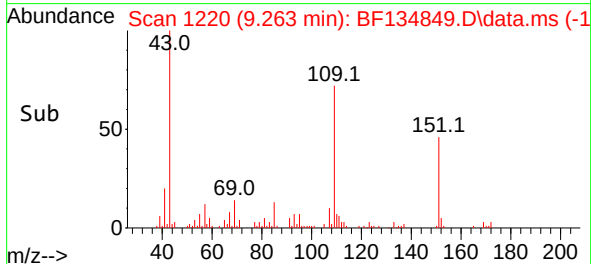
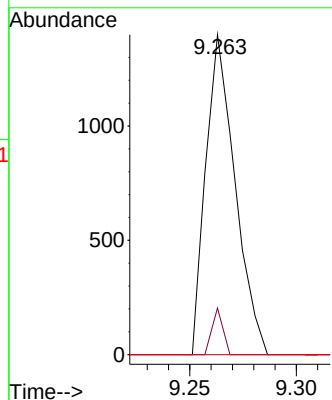
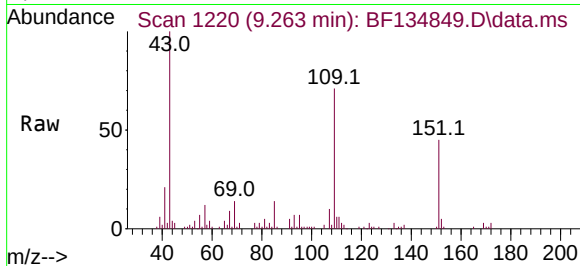




#48
2-Nitroaniline
Concen: 3.435 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.118 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

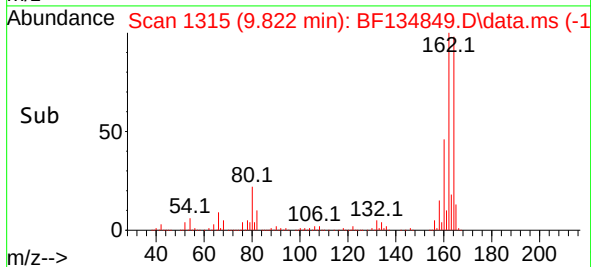
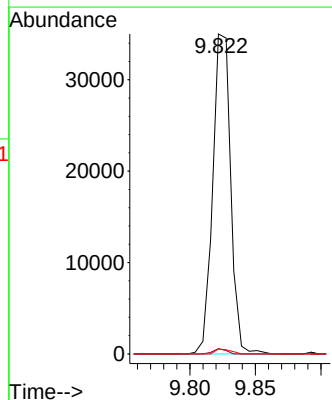
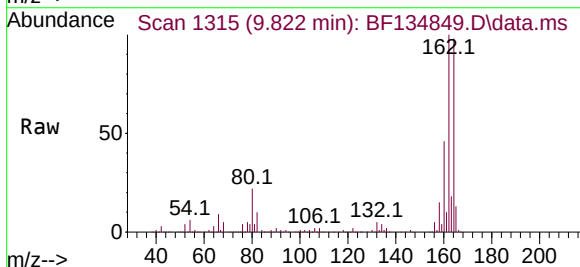
Instrument :
BNA_F
ClientSampleId :
TP-16

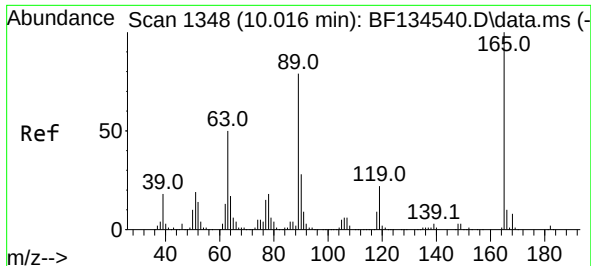
Tgt Ion: 65 Resp: 1337
Ion Ratio Lower Upper
65 100
92 14.6 50.7 76.1#
138 0.0 78.2 117.4#



#51
2,6-Dinitrotoluene
Concen: 11.324 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.194 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

Tgt Ion:165 Resp: 33293
Ion Ratio Lower Upper
165 100
63 1.6 57.8 86.6#
89 1.5 51.8 77.8#

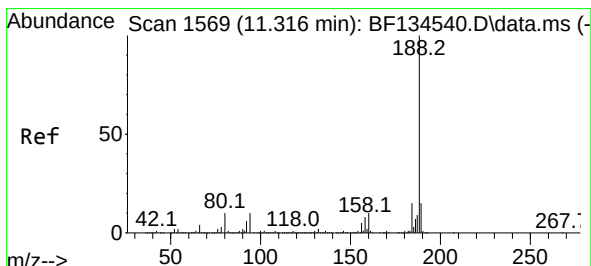
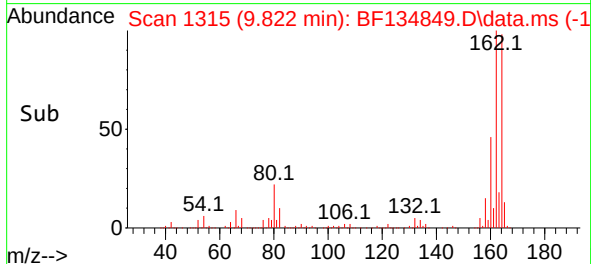
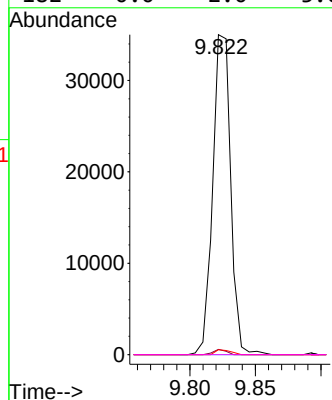
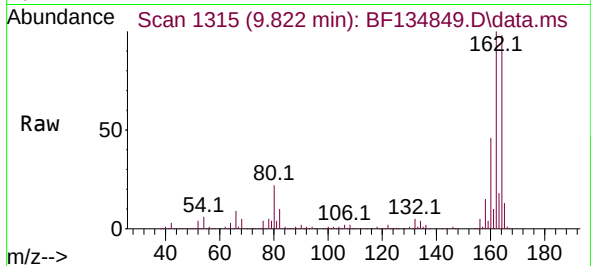




#57
2,4-Dinitrotoluene
Concen: 10.103 ng
RT: 9.822 min Scan# 1348
Delta R.T. -0.206 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

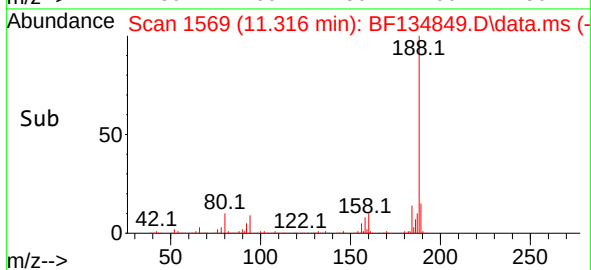
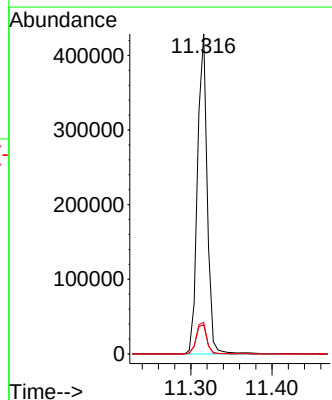
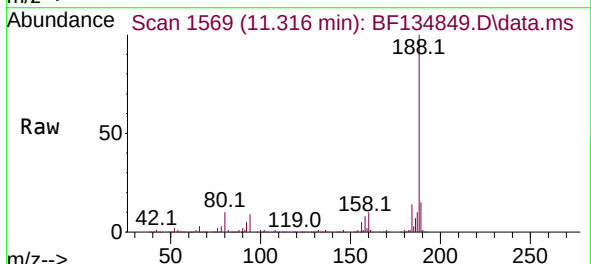
Instrument :
BNA_F
ClientSampleId :
TP-16

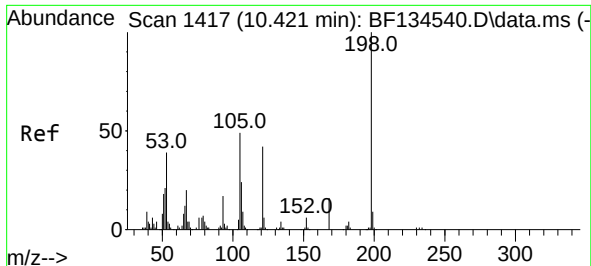
Tgt Ion:165	Resp:	33293
Ion Ratio	Lower	Upper
165	100	
63	1.6	48.9 73.3#
89	1.5	61.7 92.5#
182	0.0	2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

Tgt Ion:188	Resp:	354370
Ion Ratio	Lower	Upper
188	100	
94	9.1	5.1 7.7#
80	9.9	6.6 9.8#





#65

4,6-Dinitro-2-methylphenol

Concen: 9.115 ng

RT: 10.616 min Scan# 1417

Delta R.T. 0.177 min

Lab File: BF134849.D

Acq: 18 Aug 2023 19:50

Instrument :

BNA_F

ClientSampleId :

TP-16

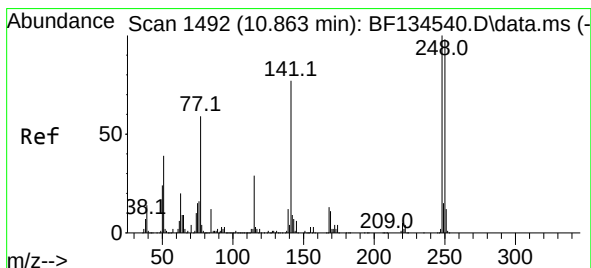
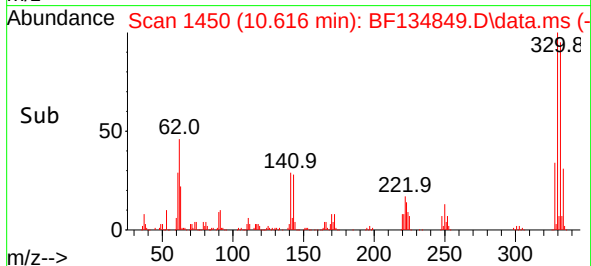
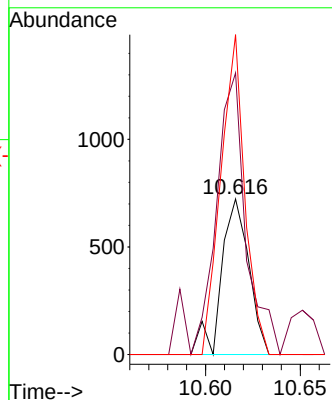
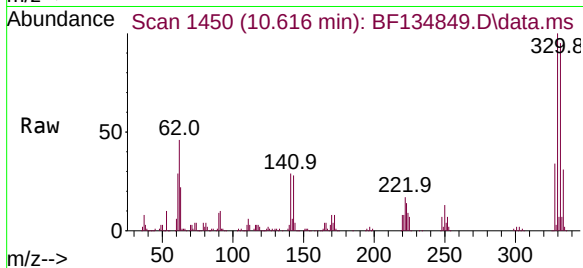
Tgt Ion:198 Resp: 727

Ion Ratio Lower Upper

198 100

51 181.1 38.6 78.6#

105 205.7 27.9 67.9#



#67

4-Bromophenyl-phenylether

Concen: 4.911 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF134849.D

Acq: 18 Aug 2023 19:50

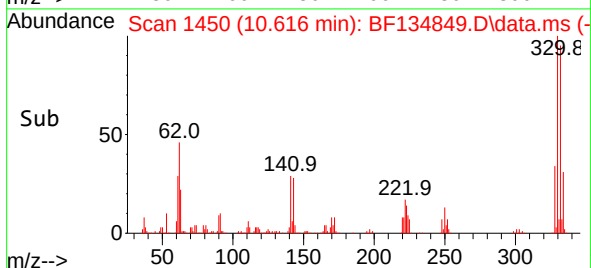
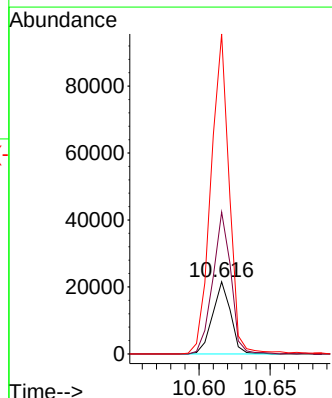
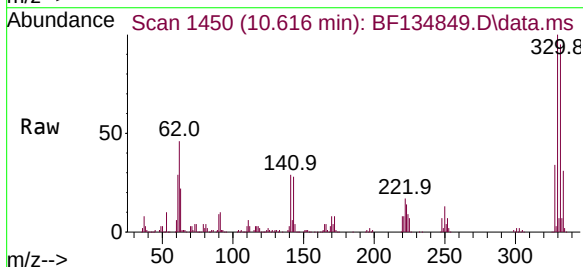
Tgt Ion:248 Resp: 19051

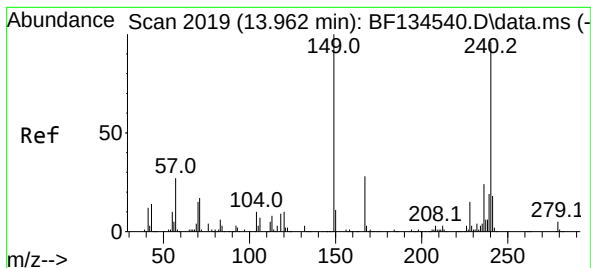
Ion Ratio Lower Upper

248 100

250 196.9 79.6 119.4#

141 444.3 59.6 89.4#

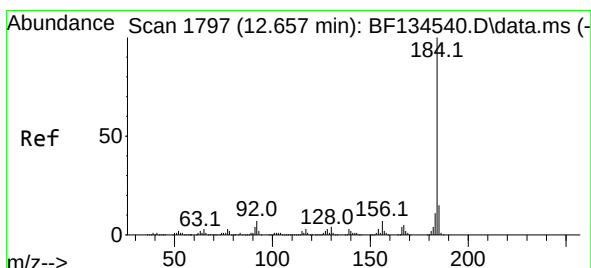
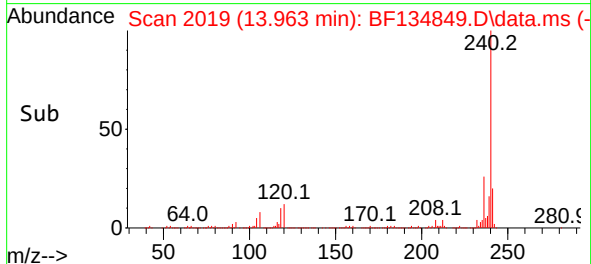
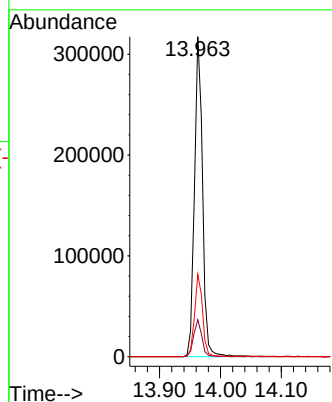
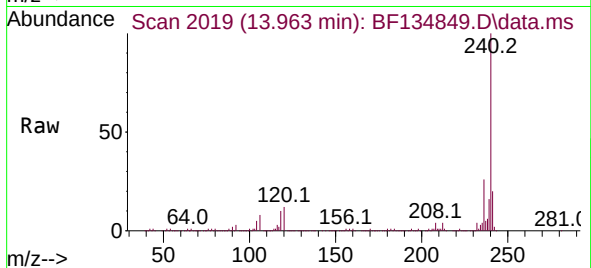




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

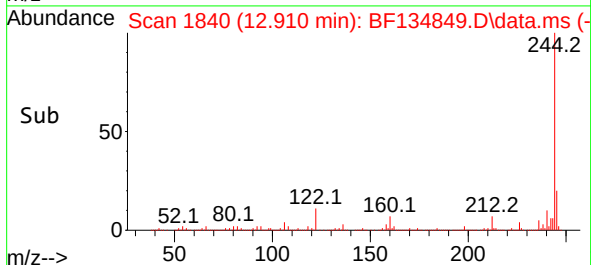
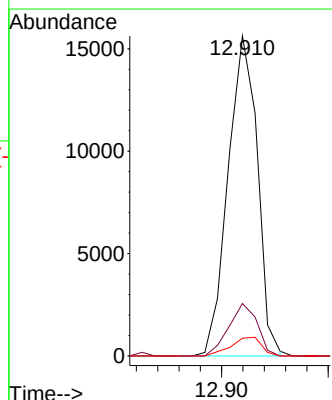
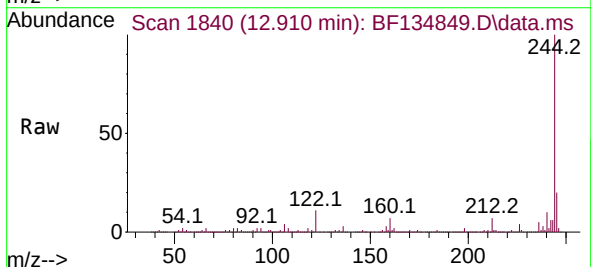
Instrument :
BNA_F
ClientSampleId :
TP-16

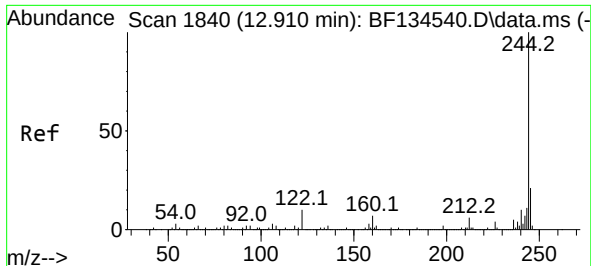
Tgt Ion:240 Resp: 292664
Ion Ratio Lower Upper
240 100
120 11.5 6.6 10.0#
236 25.7 20.2 30.2



#77
Benzidine
Concen: 2.351 ng
RT: 12.910 min Scan# 1840
Delta R.T. 0.247 min
Lab File: BF134849.D
Acq: 18 Aug 2023 19:50

Tgt Ion:184 Resp: 14939
Ion Ratio Lower Upper
184 100
185 16.4 11.2 16.8
183 5.5 8.6 13.0#

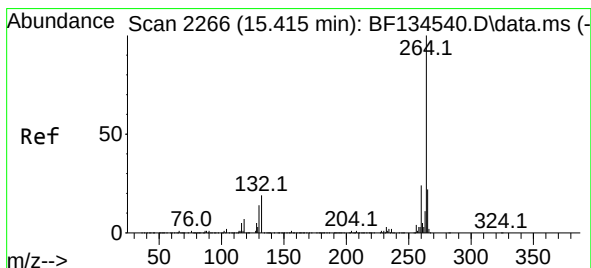
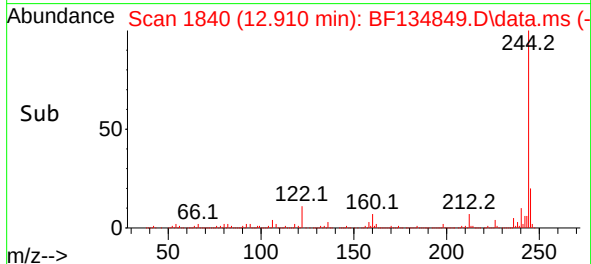
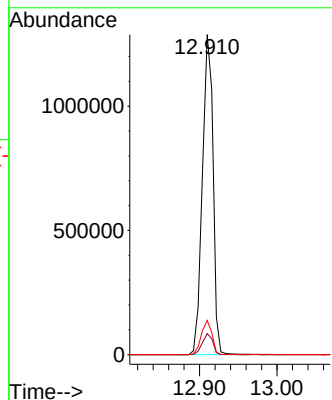
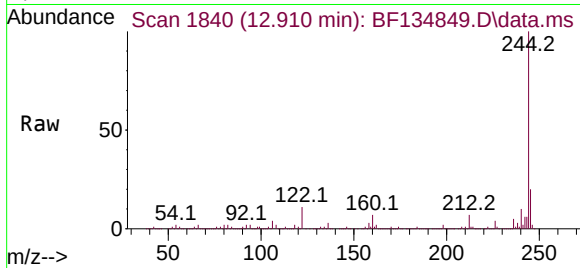




#79
 Terphenyl-d14
 Concen: 74.309 ng
 RT: 12.910 min Scan# 1840
 Delta R.T. -0.012 min
 Lab File: BF134849.D
 Acq: 18 Aug 2023 19:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-16

Tgt Ion:244 Resp: 1233647
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 10.7 8.0 12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.433 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF134849.D
 Acq: 18 Aug 2023 19:50

Tgt Ion:264 Resp: 201001
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.4 27.6
 265 20.6 15.8 23.8

