

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102523\
 Data File : BF135952.D
 Acq On : 25 Oct 2023 20:59
 Operator : CG\JU
 Sample : PB156436TB
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 26 04:33:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

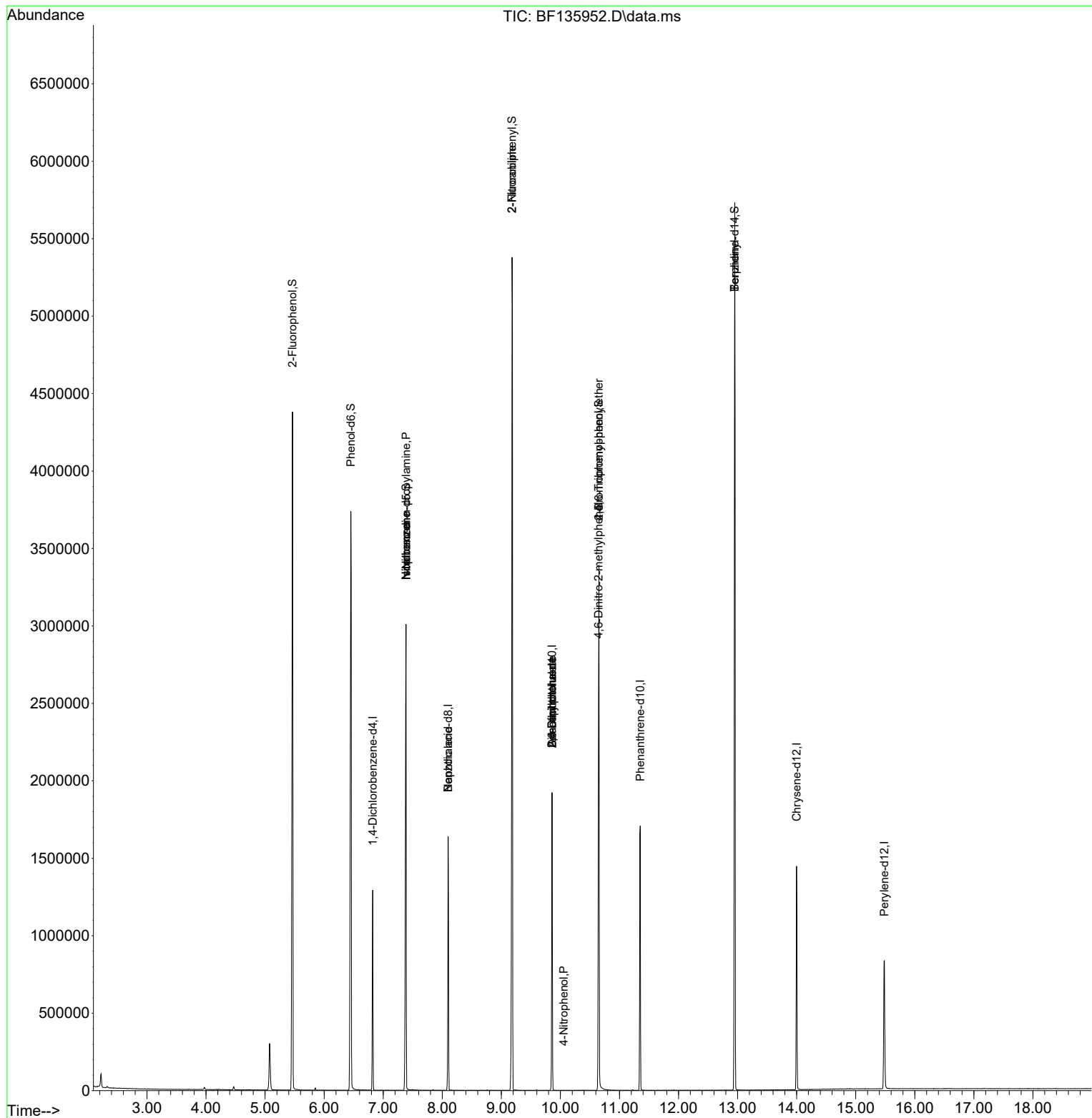
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	173591	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	683200	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	345326	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	640889	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	468251	20.000	ng	-0.01
86) Perylene-d12	15.486	264	392937	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1346439	119.771	ng	0.01
7) Phenol-d6	6.451	99	1688111	120.618	ng	0.00
23) Nitrobenzene-d5	7.387	82	961506	90.205	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	423602	140.144	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1820282	84.405	ng	0.00
79) Terphenyl-d14	12.951	244	2151546	76.770	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.387	70	126070	15.841	ng	# 78
24) Nitrobenzene	7.387	77	2843	2.820	ng	# 29
25) Isophorone	7.387	82	961124	44.506	ng	# 64
32) Benzoic acid	8.098	122	54	5.729	ng	# 1
48) 2-Nitroaniline	9.181	65	2741	4.760	ng	# 1
50) Dimethylphthalate	9.857	163	69513	3.104	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	43853	13.351	ng	# 21
56) 4-Nitrophenol	10.057	139	72	6.199	ng	# 11
57) 2,4-Dinitrotoluene	9.857	165	43853	12.532	ng	# 26
65) 4,6-Dinitro-2-methylph...	10.645	198	1189	7.645	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	27223	4.148	ng	# 1
77) Benzidine	12.951	184	25578	2.833	ng	# 90

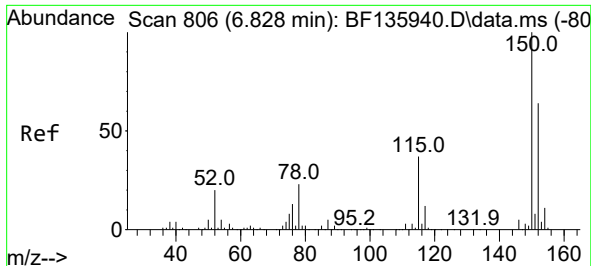
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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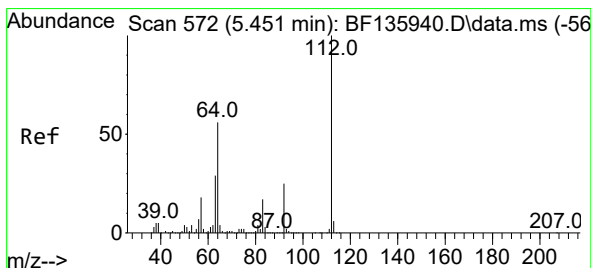
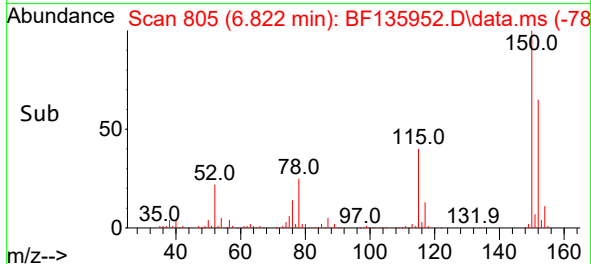
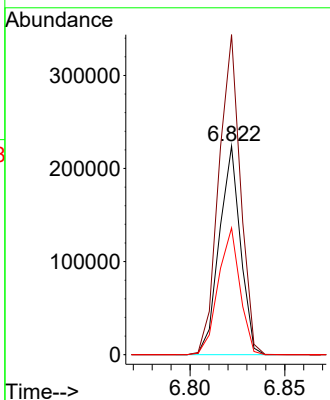
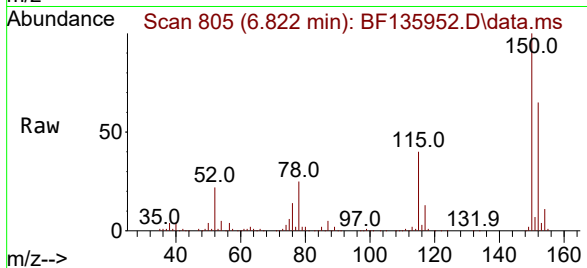




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

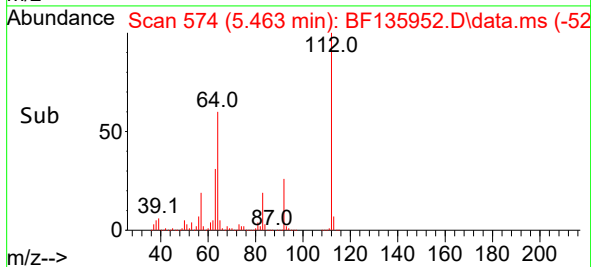
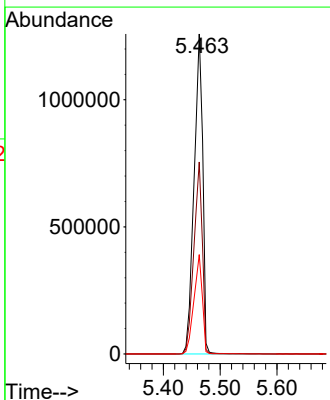
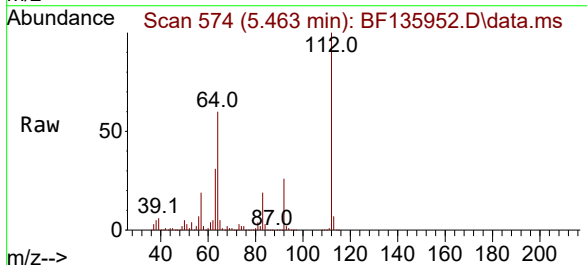
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BNA_M
ClientSampleId :

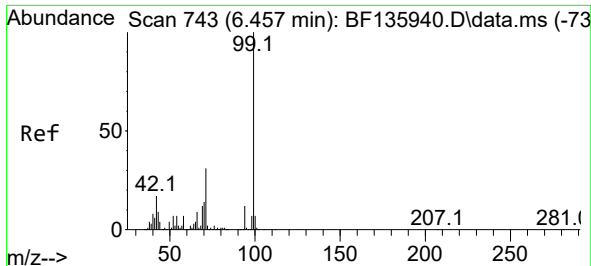
Tgt Ion:152 Resp: 173591
Ion Ratio Lower Upper
152 100
150 153.4 124.6 186.8
115 60.7 46.6 69.8



#5
2-Fluorophenol
Concen: 119.771 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.012 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

Tgt Ion:112 Resp: 1346439
Ion Ratio Lower Upper
112 100
64 60.0 45.1 67.7
63 31.1 23.0 34.4

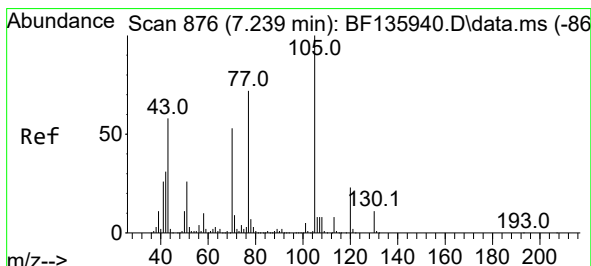
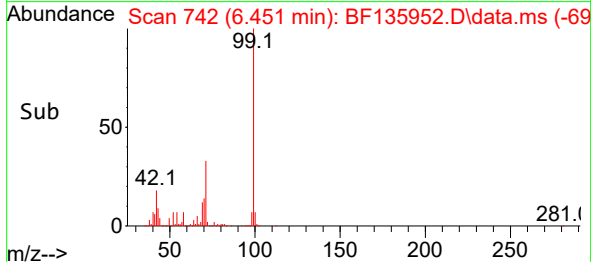
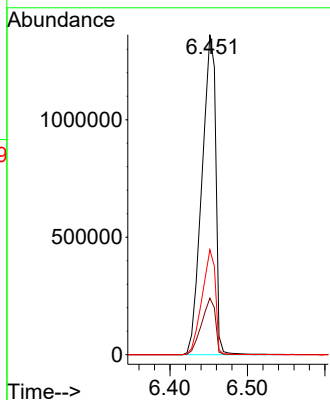
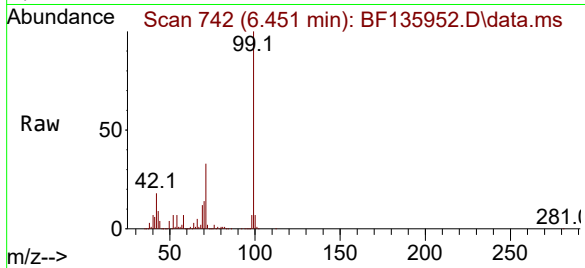




#7
Phenol-d6
Concen: 120.618 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

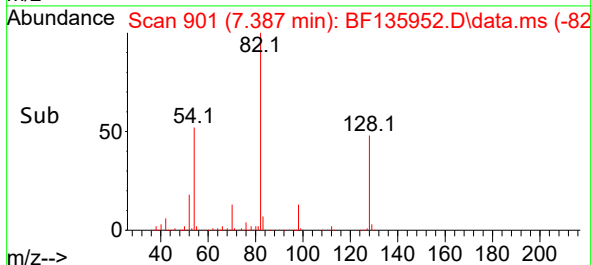
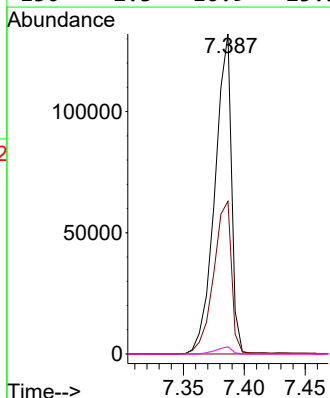
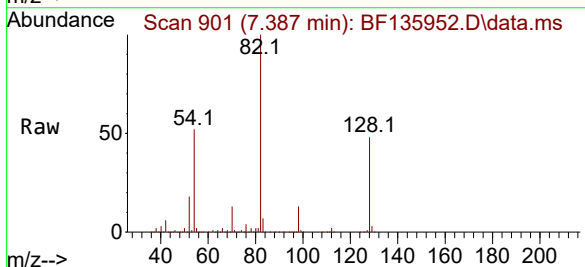
Instrument :
BNA_M
ClientSampleId :

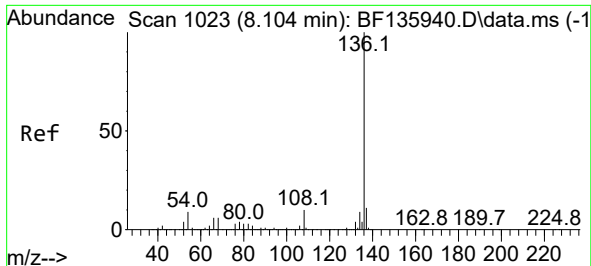
Tgt Ion: 99 Resp: 1688111
Ion Ratio Lower Upper
99 100
42 17.7 13.8 20.8
71 32.8 25.1 37.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.841 ng
RT: 7.387 min Scan# 901
Delta R.T. 0.147 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

Tgt Ion: 70 Resp: 126070
Ion Ratio Lower Upper
70 100
42 47.7 47.3 70.9
101 0.0 7.8 11.8#
130 2.3 16.9 25.3#



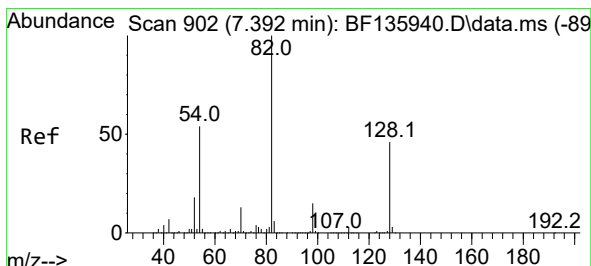
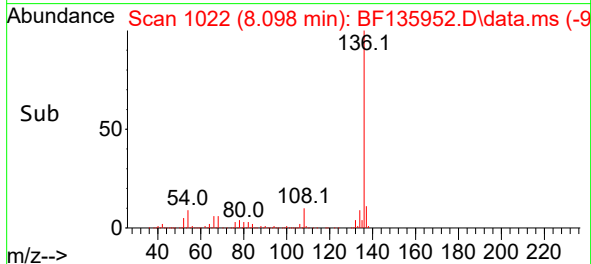
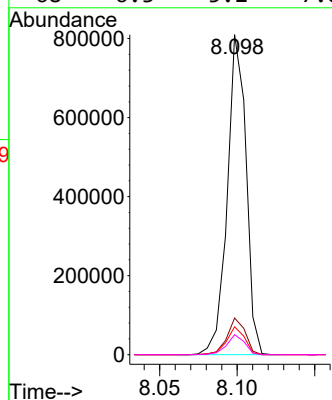
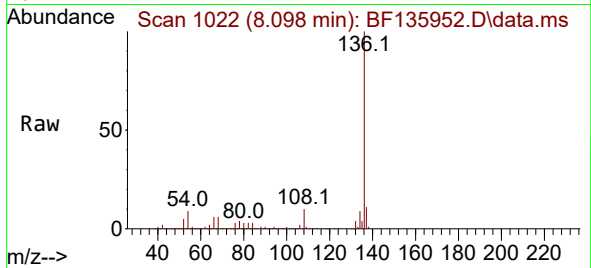


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:136 Resp: 683200

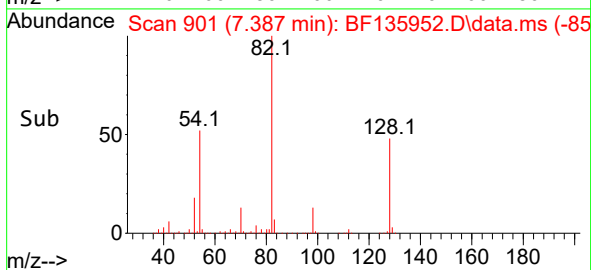
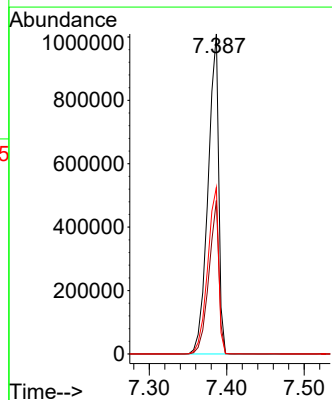
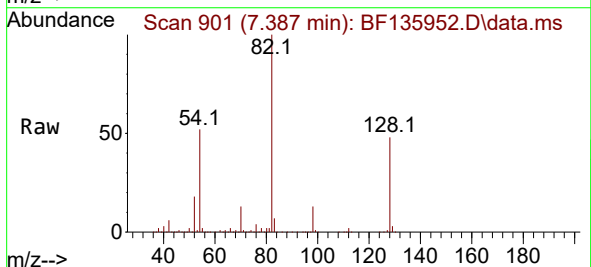
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.6
54	8.7	7.1	10.7
68	6.3	5.2	7.8

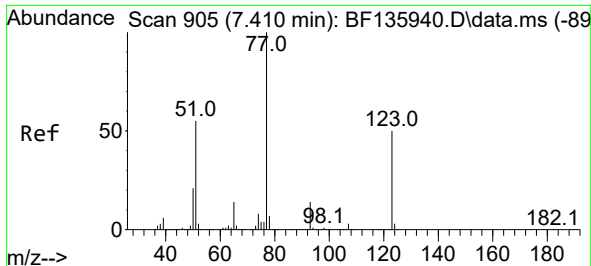


#23
Nitrobenzene-d5
Concen: 90.205 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.005 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

Tgt Ion: 82 Resp: 961506

Ion	Ratio	Lower	Upper
82	100		
128	48.0	36.8	55.2
54	52.0	43.4	65.0

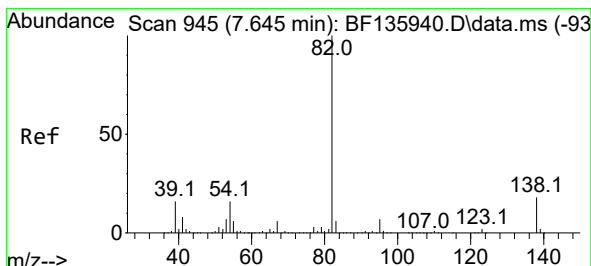
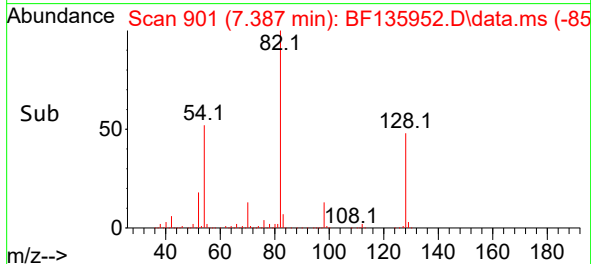
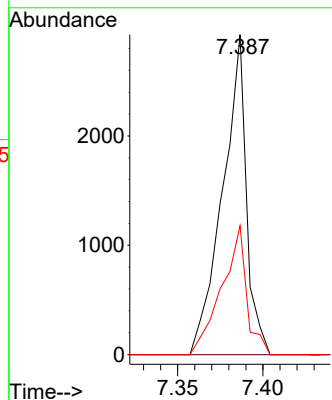
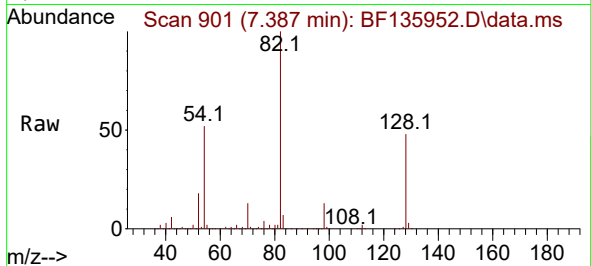




#24
Nitrobenzene
Concen: 2.820 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.023 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

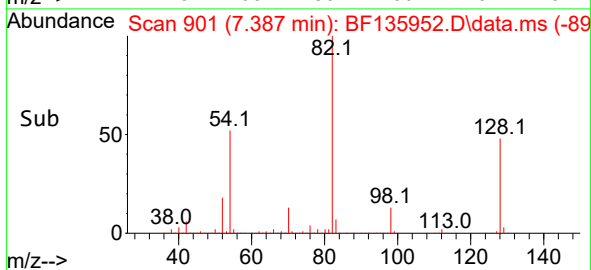
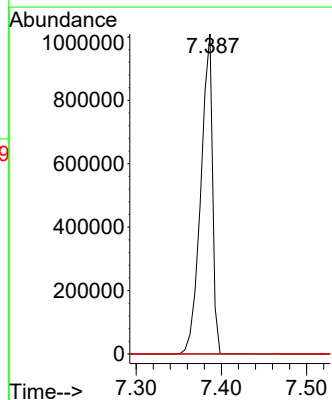
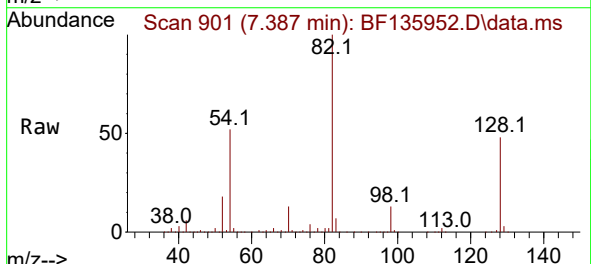
Instrument :
BNA_M
ClientSampleId :

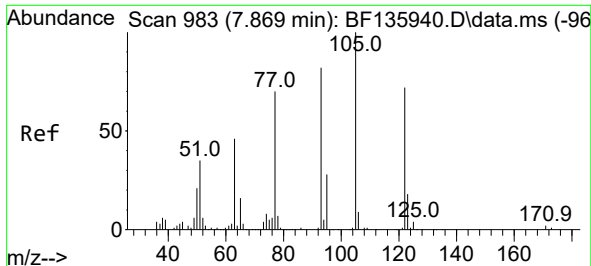
Tgt Ion: 77 Resp: 2843
Ion Ratio Lower Upper
77 100
123 0.0 40.2 60.2#
65 40.3 11.0 16.4#



#25
Isophorone
Concen: 44.506 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.259 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

Tgt Ion: 82 Resp: 961124
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.8 22.2#

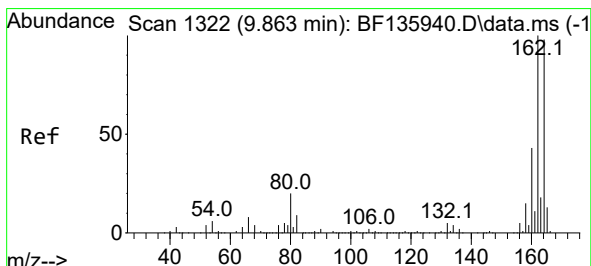
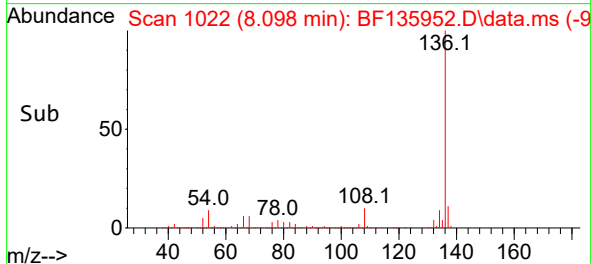
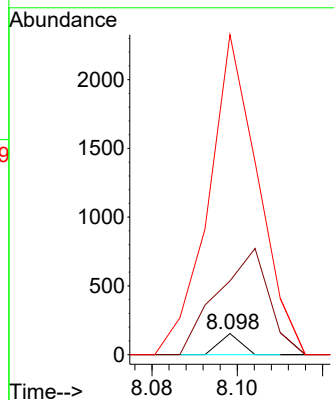
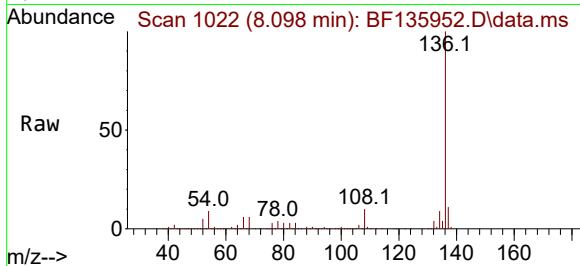




#32
Benzoic acid
Concen: 5.729 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.229 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

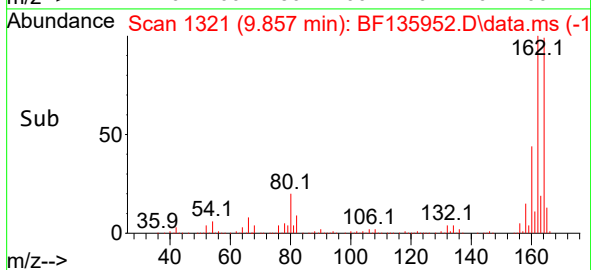
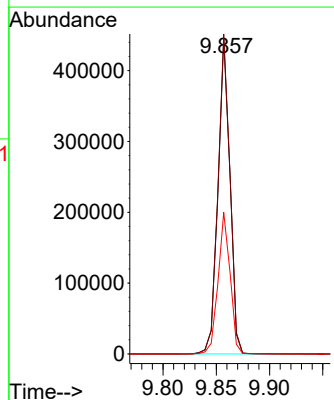
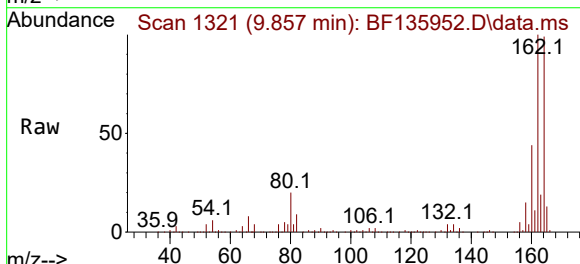
Instrument :
BNA_M
ClientSampleId :

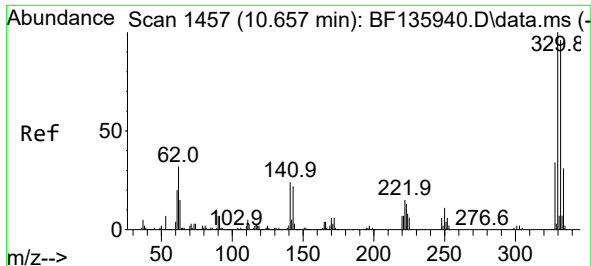
Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 348.1 113.1 153.1#
77 1511.0 75.2 115.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

Tgt Ion:164 Resp: 345326
Ion Ratio Lower Upper
164 100
162 101.4 82.0 123.0
160 44.9 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 140.144 ng

RT: 10.651 min Scan# 1457

Delta R.T. -0.006 min

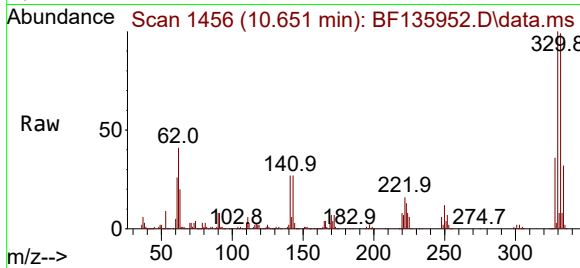
Lab File: BF135952.D

Acq: 25 Oct 2023 20:59

Instrument :

BNA_M

ClientSampleId :



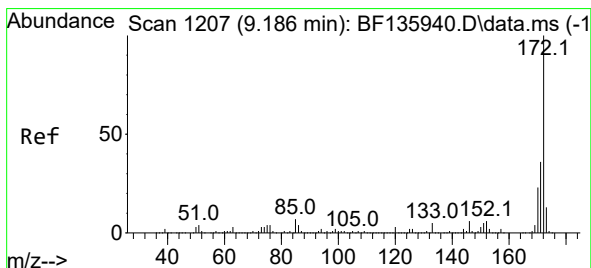
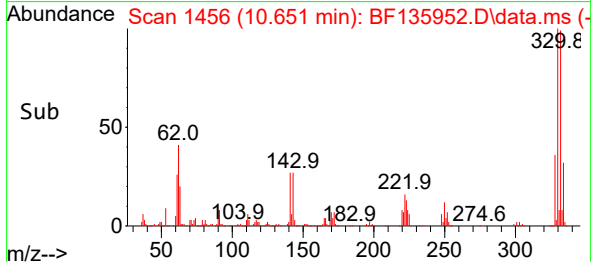
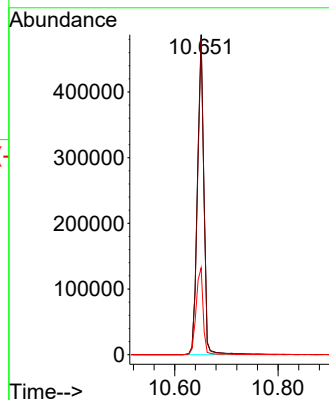
Tgt Ion:330 Resp: 423602

Ion Ratio Lower Upper

330 100

332 97.7 77.4 116.2

141 29.3 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 84.405 ng

RT: 9.181 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF135952.D

Acq: 25 Oct 2023 20:59

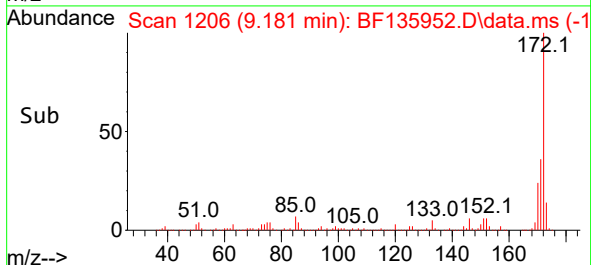
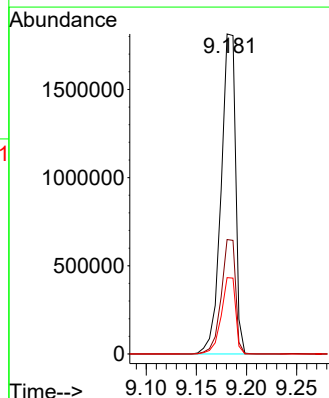
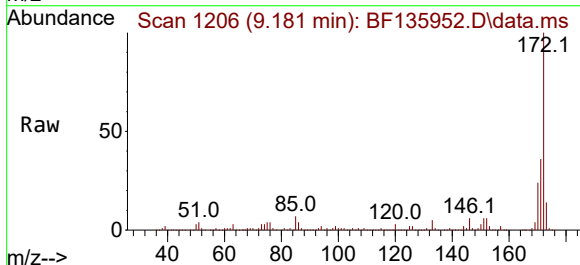
Tgt Ion:172 Resp: 1820282

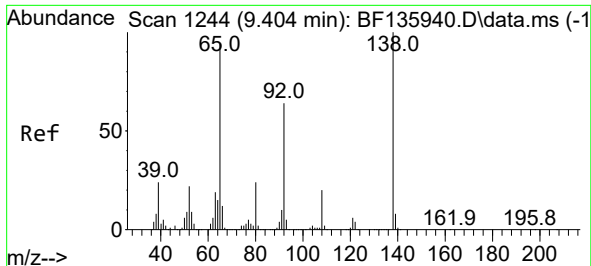
Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 23.8 18.6 28.0

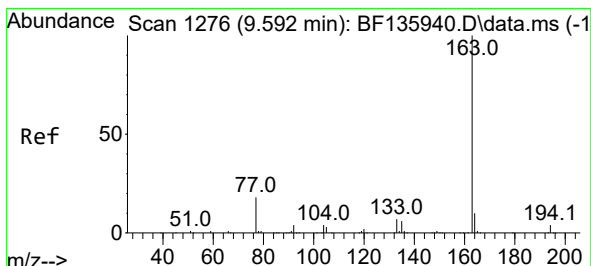
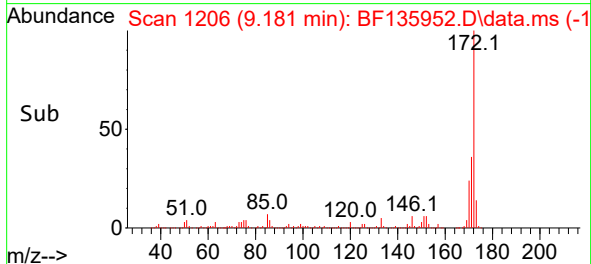
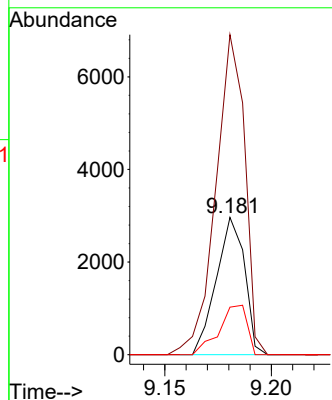
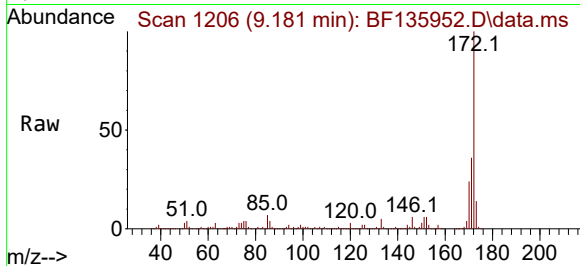




#48
2-Nitroaniline
Concen: 4.760 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.223 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

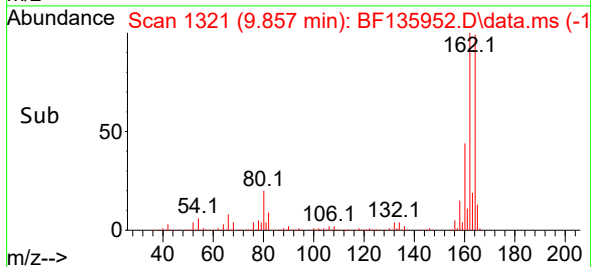
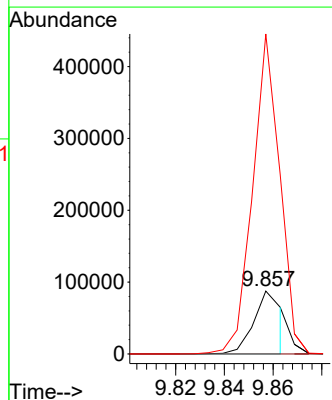
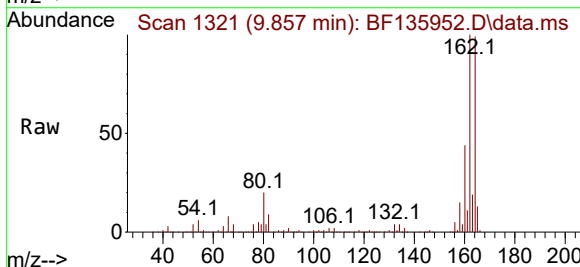
Instrument :
BNA_M
ClientSampleId :

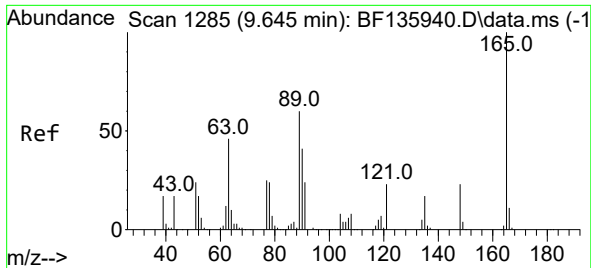
Tgt Ion: 65 Resp: 2741
Ion Ratio Lower Upper
65 100
92 233.2 54.9 82.3#
138 34.6 85.2 127.8#



#50
Dimethylphthalate
Concen: 3.104 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.265 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

Tgt Ion: 163 Resp: 69513
Ion Ratio Lower Upper
163 100
194 0.0 3.4 5.0#
164 509.3 8.3 12.5#

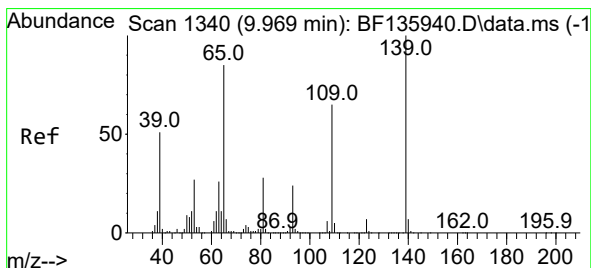
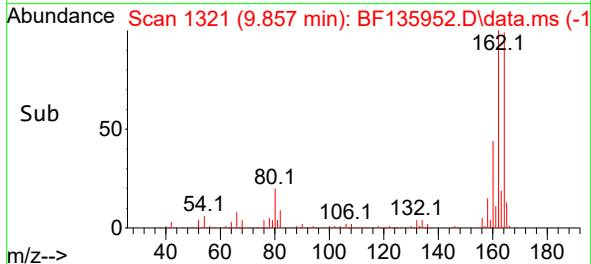
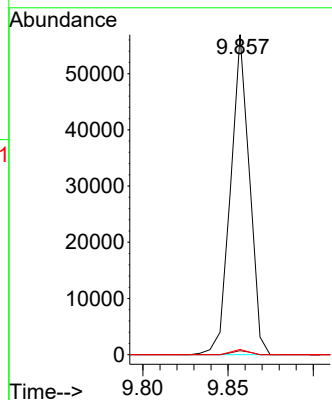
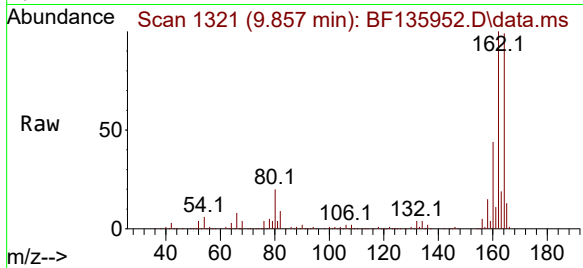




#51
2,6-Dinitrotoluene
Concen: 13.351 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

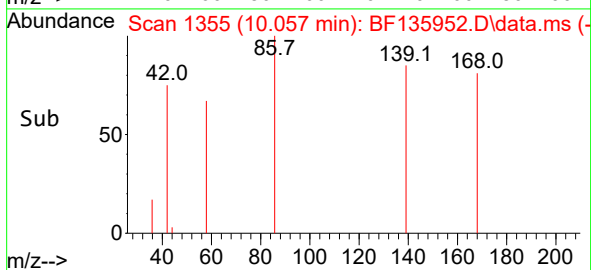
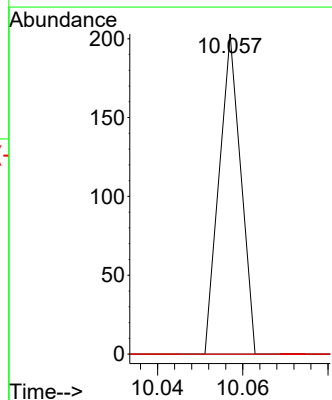
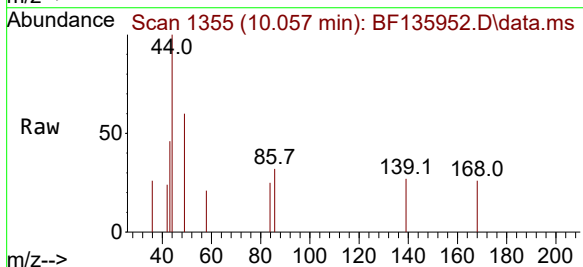
Instrument :
BNA_M
ClientSampleId :

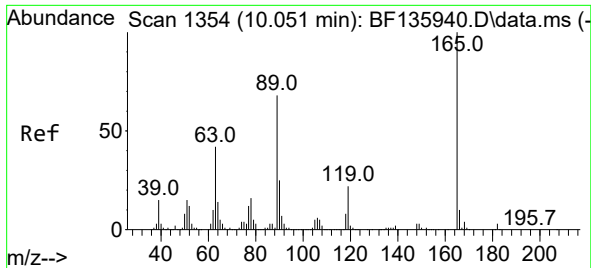
Tgt Ion:165 Resp: 43853
Ion Ratio Lower Upper
165 100
63 1.3 51.7 77.5#
89 1.6 48.3 72.5#



#56
4-Nitrophenol
Concen: 6.199 ng
RT: 10.057 min Scan# 1355
Delta R.T. 0.088 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

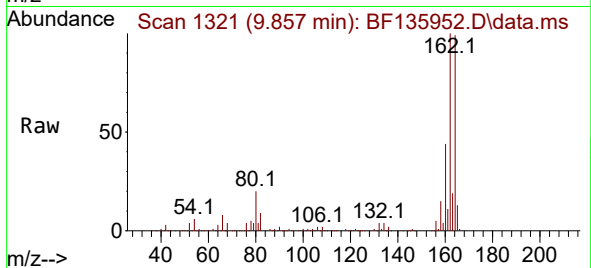
Tgt Ion:139 Resp: 72
Ion Ratio Lower Upper
139 100
109 0.0 45.2 85.2#
65 0.0 65.1 105.1#



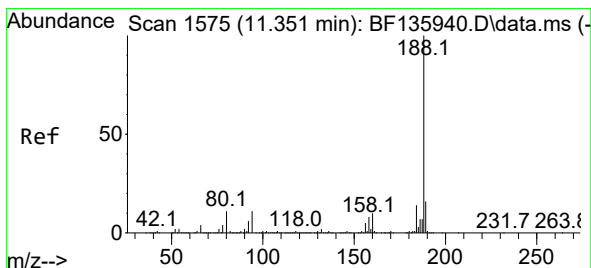
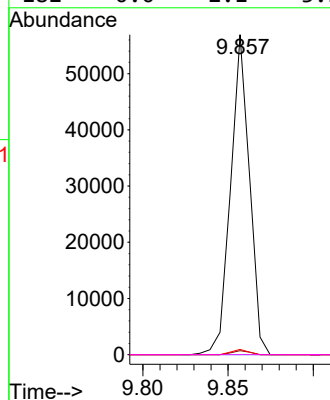
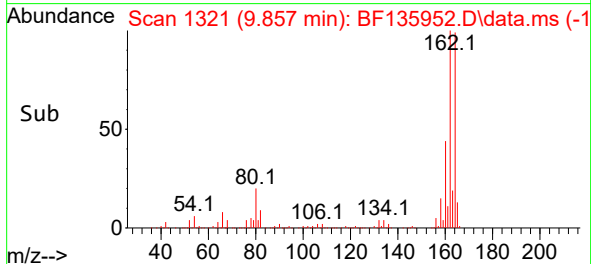


#57
2,4-Dinitrotoluene
Concen: 12.532 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

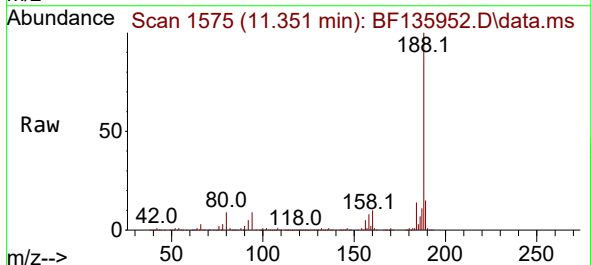
Instrument :
BNA_M
ClientSampleId :



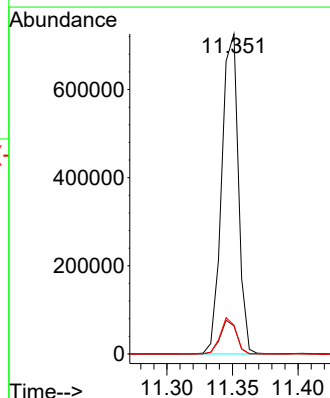
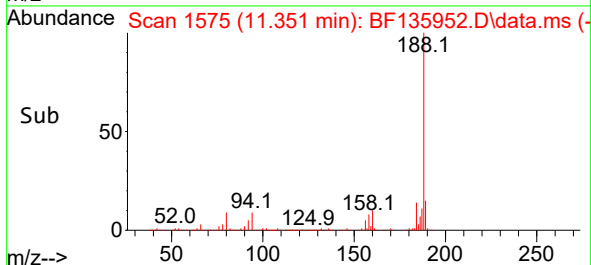
Tgt Ion:165 Resp: 43853
Ion Ratio Lower Upper
165 100
63 1.3 33.7 50.5#
89 1.6 54.6 81.8#
182 0.0 2.1 3.1#

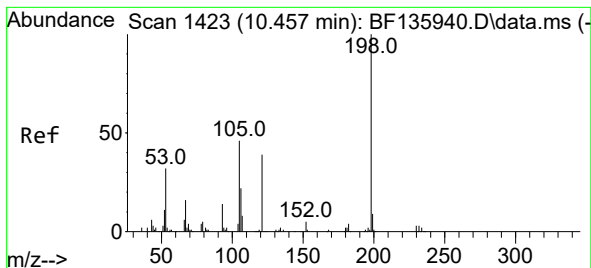


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59



Tgt Ion:188 Resp: 640889
Ion Ratio Lower Upper
188 100
94 8.7 8.6 13.0
80 9.0 9.0 13.6#

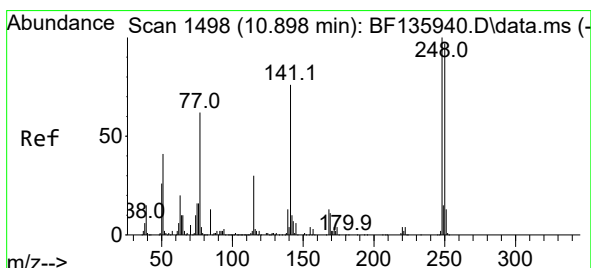
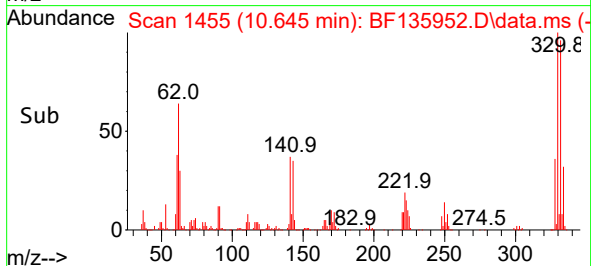
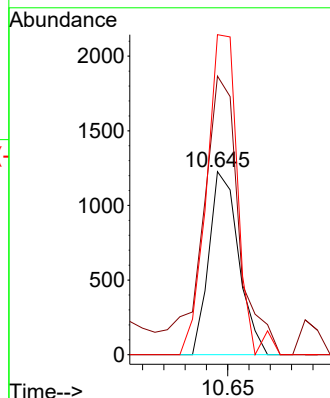
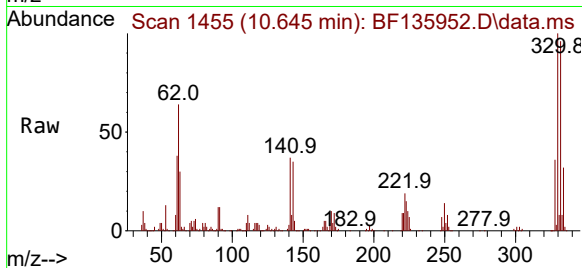




#65
4,6-Dinitro-2-methylphenol
Concen: 7.645 ng
RT: 10.645 min Scan# 1455
Delta R.T. 0.188 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

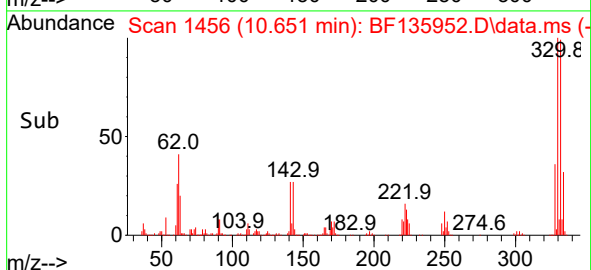
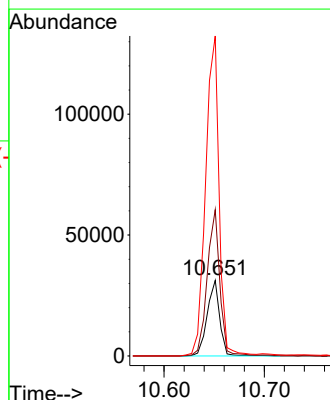
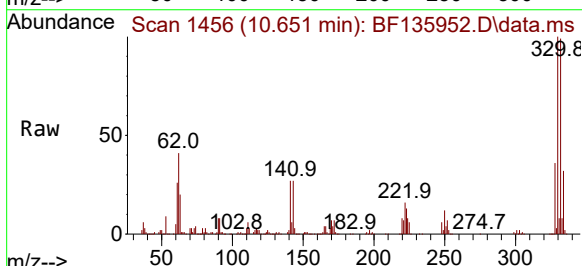
Instrument :
BNA_M
ClientSampleId :

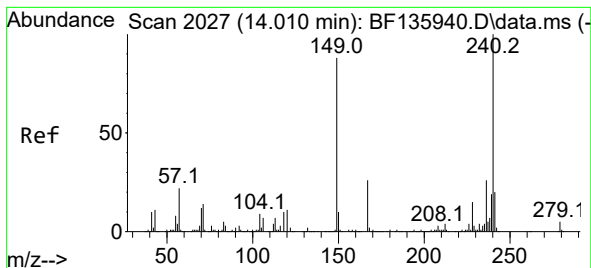
Tgt Ion:198 Resp: 1189
Ion Ratio Lower Upper
198 100
51 152.2 28.7 68.7#
105 174.9 27.2 67.2#



#67
4-Bromophenyl-phenylether
Concen: 4.148 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.247 min
Lab File: BF135952.D
Acq: 25 Oct 2023 20:59

Tgt Ion:248 Resp: 27223
Ion Ratio Lower Upper
248 100
250 193.5 77.9 116.9#
141 423.2 60.8 91.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135952.D

Acq: 25 Oct 2023 20:59

Instrument :

BNA_M

ClientSampleId :

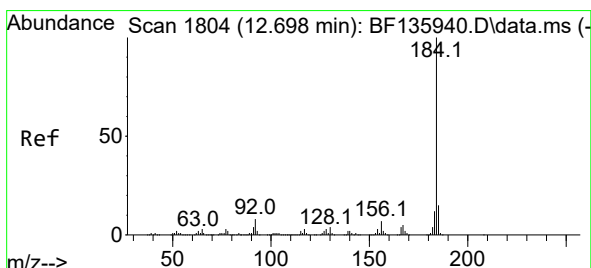
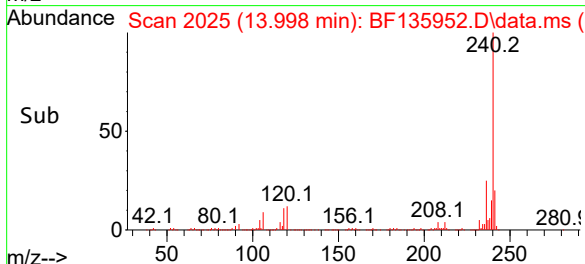
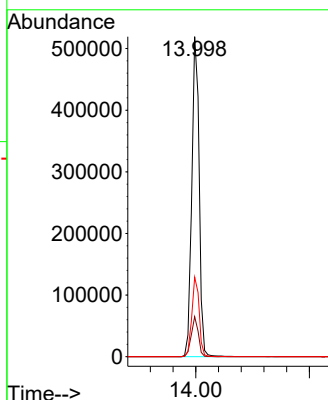
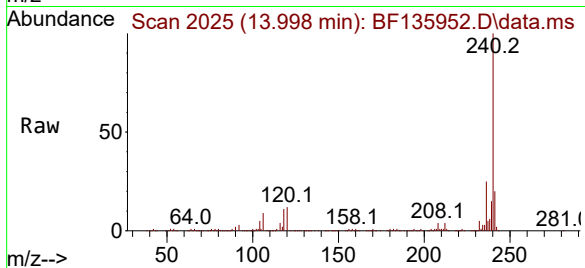
Tgt Ion:240 Resp: 468251

Ion Ratio Lower Upper

240 100

120 12.5 8.6 13.0

236 24.8 20.6 30.8



#77

Benzidine

Concen: 2.833 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.253 min

Lab File: BF135952.D

Acq: 25 Oct 2023 20:59

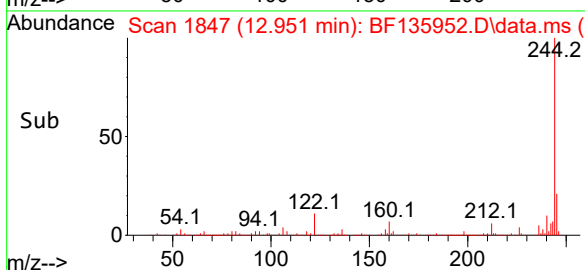
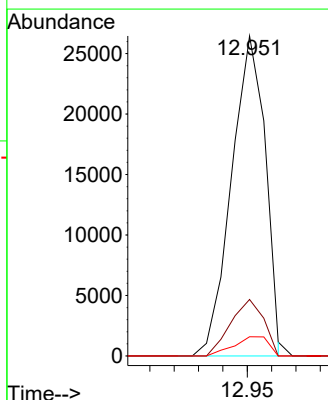
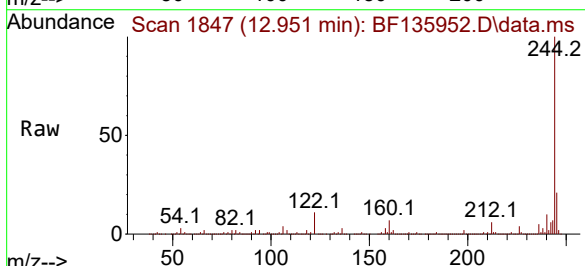
Tgt Ion:184 Resp: 25578

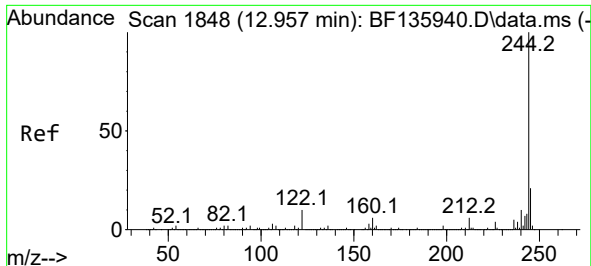
Ion Ratio Lower Upper

184 100

185 17.7 11.7 17.5#

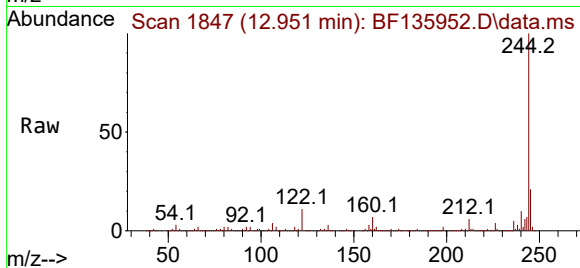
183 6.0 9.2 13.8#





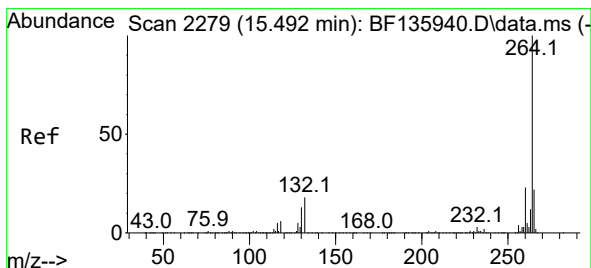
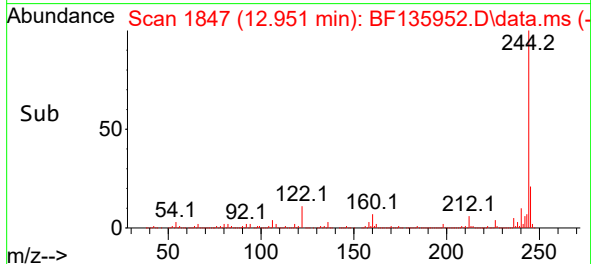
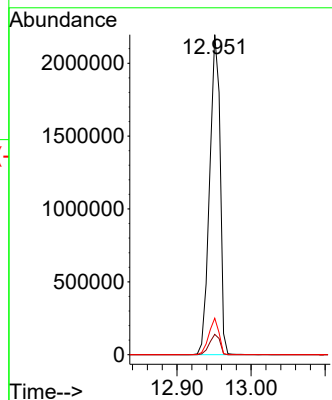
#79
 Terphenyl-d14
 Concen: 76.770 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135952.D
 Acq: 25 Oct 2023 20:59

Instrument :
 BNA_M
 ClientSampleId :



Tgt Ion:244 Resp: 2151546

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.0	7.6
122	11.4	8.0	12.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.486 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF135952.D
 Acq: 25 Oct 2023 20:59

Tgt Ion:264 Resp: 392937

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.0	17.3	25.9

