

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060723\
 Data File : BF133624.D
 Acq On : 07 Jun 2023 14:47
 Operator : CG\JU
 Sample : 03019-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-289

Quant Time: Jun 07 15:27:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 07 11:27:15 2023
 Response via : Initial Calibration

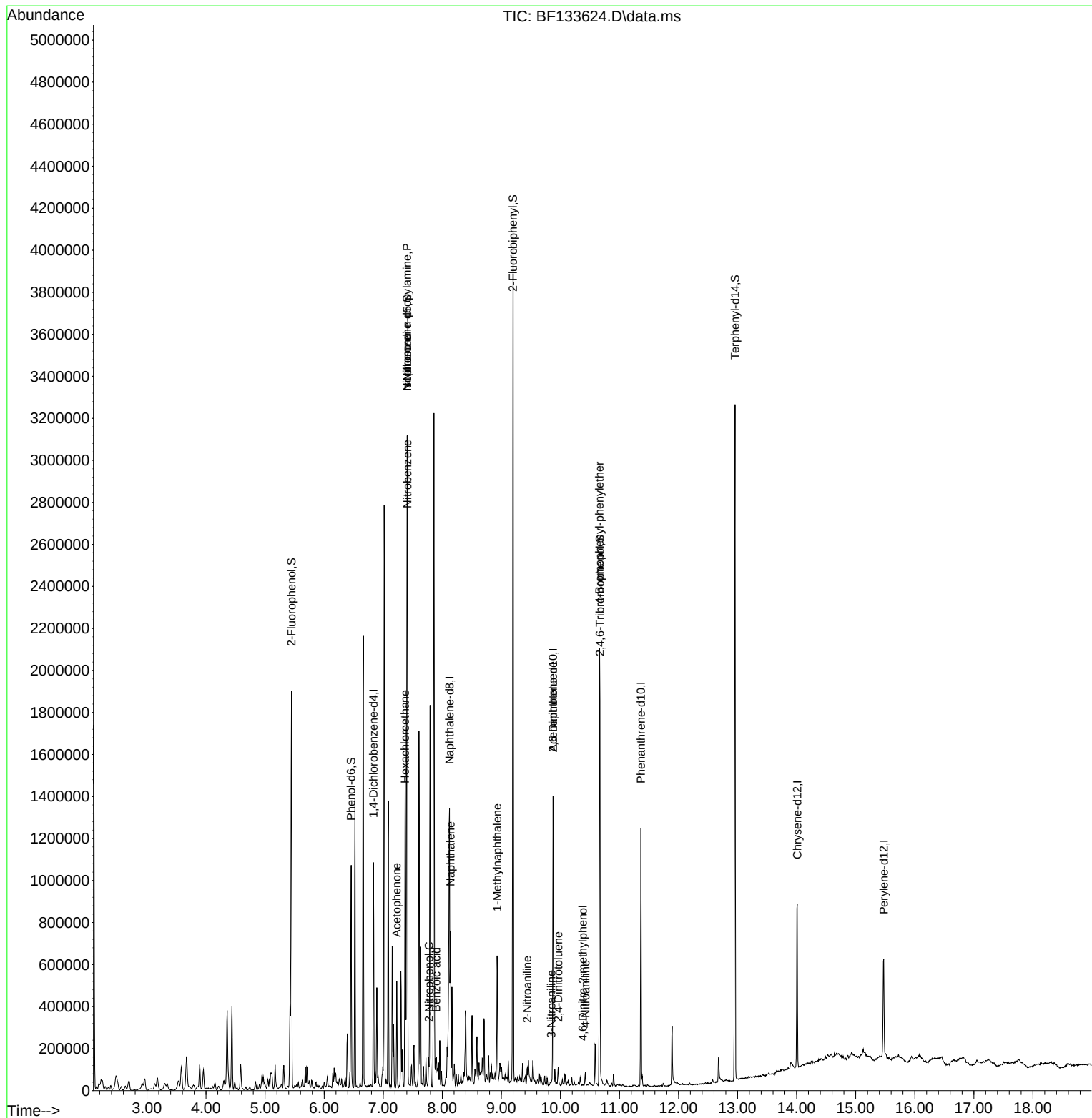
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	144874	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	517121	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	244139	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	400799	20.000	ng	0.00
76) Chrysene-d12	14.010	240	275213	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	216536	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	401431	46.231	ng	0.00
7) Phenol-d6	6.457	99	301169	28.176	ng	-0.01
23) Nitrobenzene-d5	7.404	82	673434	86.951	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	276023	113.421	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1206907	76.300	ng	0.00
79) Terphenyl-d14	12.957	244	1104045	71.326	ng	0.00
Target Compounds						
9) Benzaldehyde	6.393	77	9262	Below Cal		Qvalue # 1
18) Hexachloroethane	7.369	117	136199	41.362	ng	# 6
19) n-Nitroso-di-n-propyla...	7.404	70	95168	13.761	ng	# 78
22) Acetophenone	7.228	105	171897	14.435	ng	# 49
24) Nitrobenzene	7.410	77	26604	3.224	ng	# 4
25) Isophorone	7.404	82	670647	37.154	ng	# 65
26) 2-Nitrophenol	7.775	139	147	4.777	ng	# 1
31) Naphthalene	8.140	128	135916	5.421	ng	# 96
32) Benzoic acid	7.898	122	4131	8.041	ng	# 45
38) 1-Methylnaphthalene	8.928	142	130289	8.165	ng	# 96
48) 2-Nitroaniline	9.439	65	1229	4.235	ng	# 19
51) 2,6-Dinitrotoluene	9.875	165	31393	12.567	ng	# 20
53) 3-Nitroaniline	9.845	138	66	3.195	ng	# 1
57) 2,4-Dinitrotoluene	9.963	165	1445	5.067	ng	# 52
62) 4-Nitroaniline	10.422	138	381	3.072	ng	# 58
65) 4,6-Dinitro-2-methylph...	10.381	198	54	8.739	ng	# 1
67) 4-Bromophenyl-phenylether	10.663	248	16390	3.851	ng	# 1

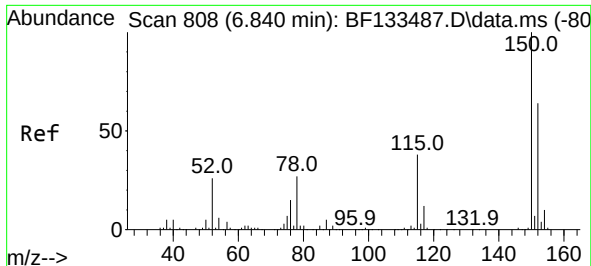
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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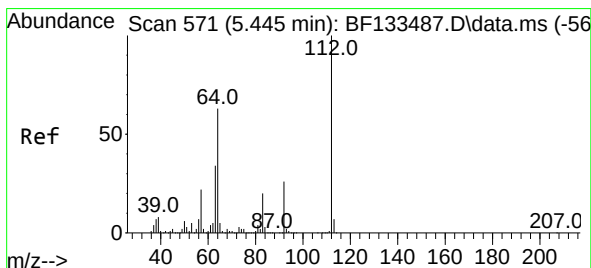
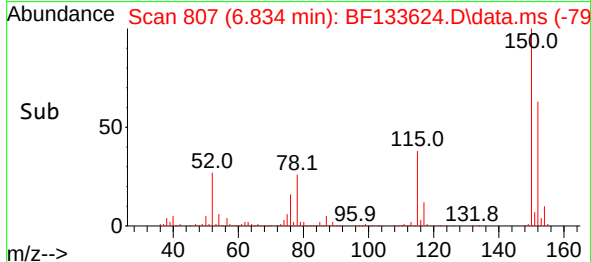
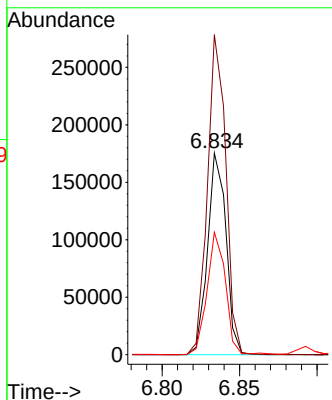
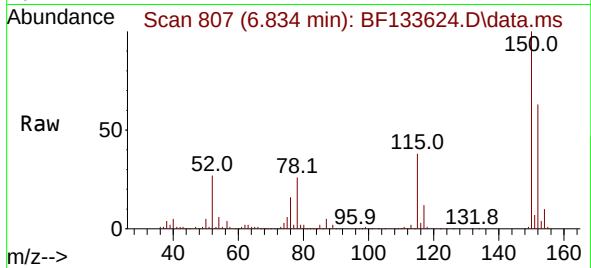




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

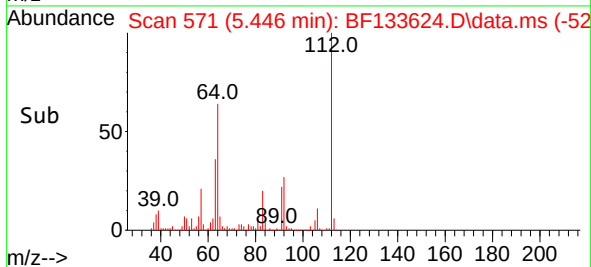
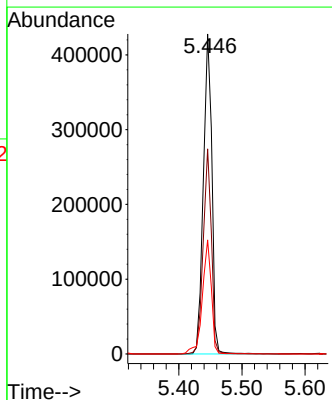
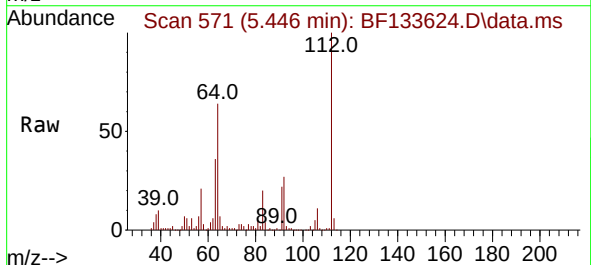
Instrument :
BNA_F
ClientSampleId :
MH-289

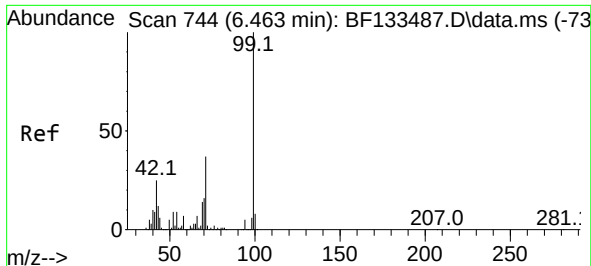
Tgt Ion:152 Resp: 144874
Ion Ratio Lower Upper
152 100
150 158.7 124.9 187.3
115 60.7 48.1 72.1



#5
2-Fluorophenol
Concen: 46.231 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

Tgt Ion:112 Resp: 401431
Ion Ratio Lower Upper
112 100
64 64.1 50.1 75.1
63 35.7 27.5 41.3





#7

Phenol-d6

Concen: 28.176 ng

RT: 6.457 min Scan# 744

Delta R.T. -0.012 min

Lab File: BF133624.D

Acq: 07 Jun 2023 14:47

Instrument :

BNA_F

ClientSampleId :

MH-289

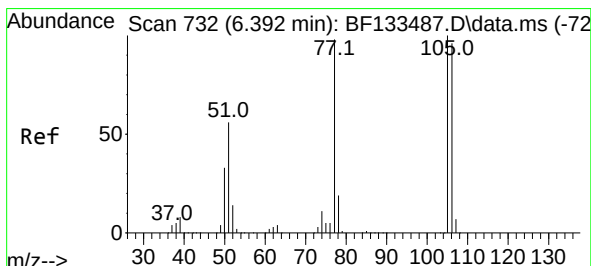
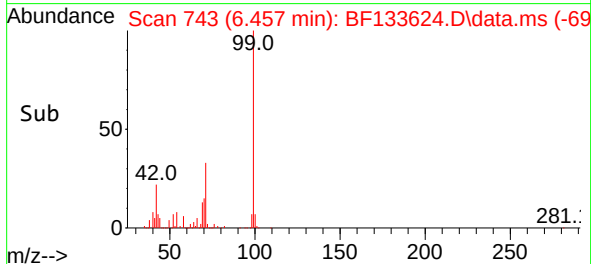
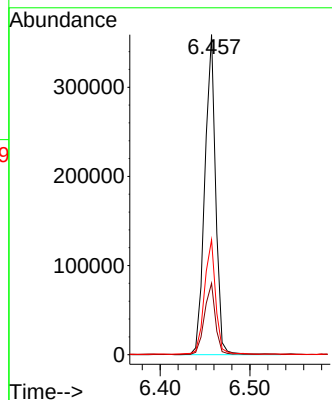
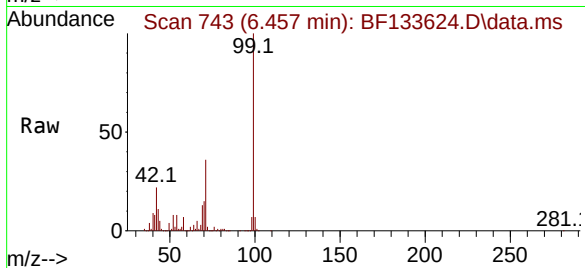
Tgt Ion: 99 Resp: 301169

Ion Ratio Lower Upper

99 100

42 22.3 19.7 29.5

71 35.9 29.8 44.8



#9

Benzaldehyde

Concen: Below Cal

RT: 6.393 min Scan# 732

Delta R.T. 0.006 min

Lab File: BF133624.D

Acq: 07 Jun 2023 14:47

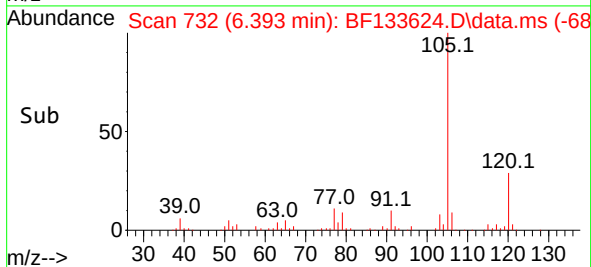
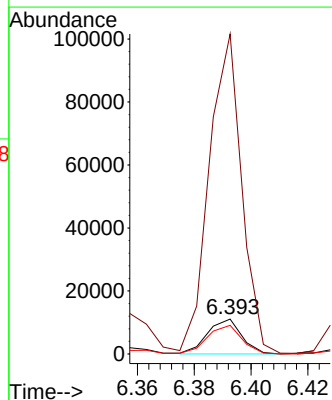
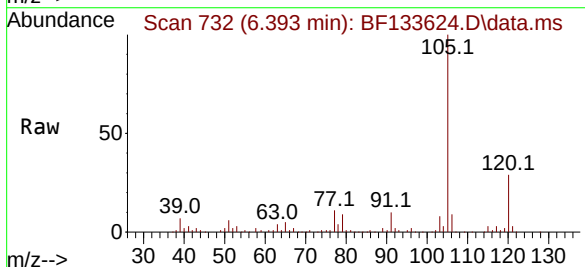
Tgt Ion: 77 Resp: 9262

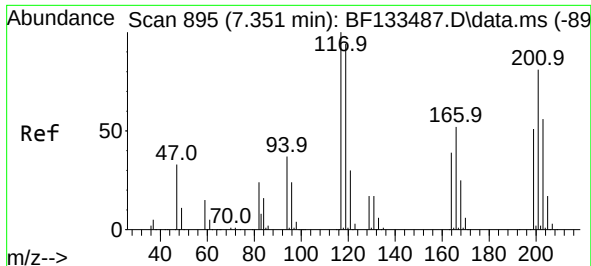
Ion Ratio Lower Upper

77 100

105 915.5 81.9 121.9#

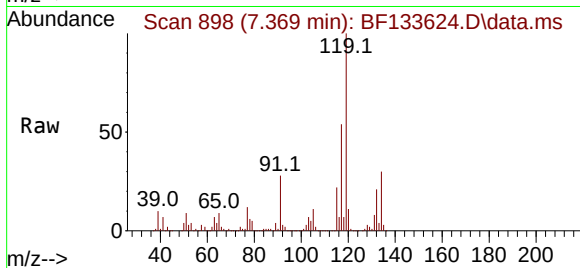
106 81.9 77.8 117.8



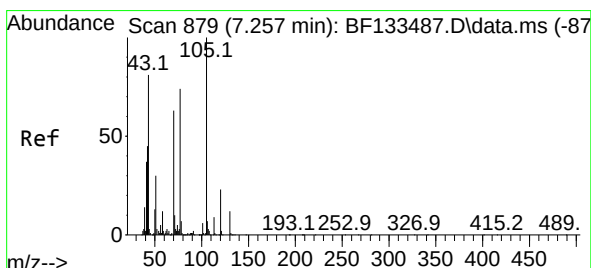
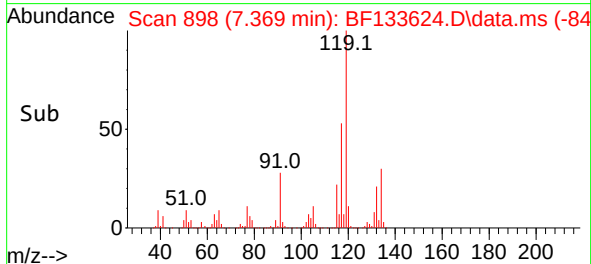
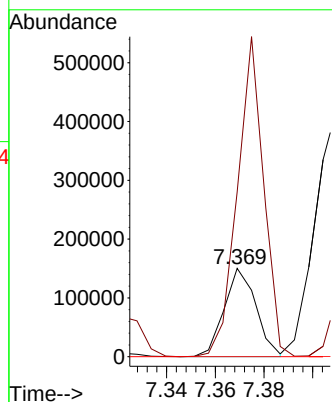


#18
Hexachloroethane
Concen: 41.362 ng
RT: 7.369 min Scan# 895
Delta R.T. 0.018 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

Instrument :
BNA_F
ClientSampleId :
MH-289

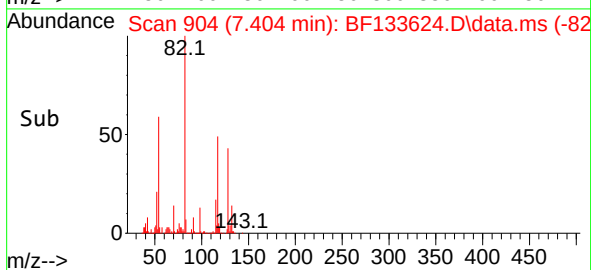
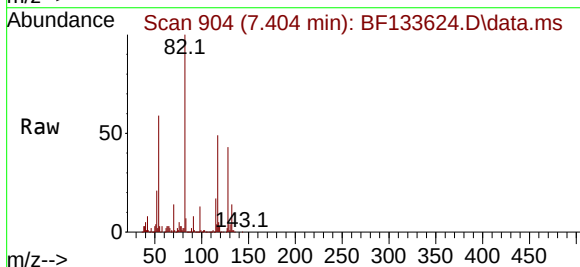
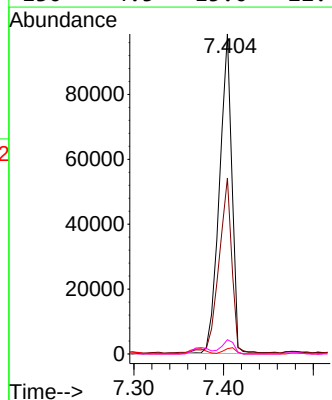


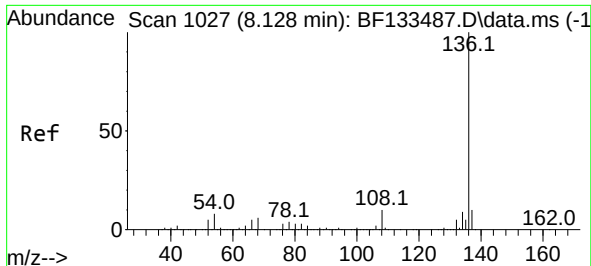
Tgt Ion:117 Resp: 136199
Ion Ratio Lower Upper
117 100
119 186.6 74.9 112.3#
201 0.0 64.8 97.2#



#19
n-Nitroso-di-n-propylamine
Concen: 13.761 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

Tgt Ion: 70 Resp: 95168
Ion Ratio Lower Upper
70 100
42 55.0 57.2 85.8#
101 1.6 7.3 10.9#
130 4.5 15.0 22.4#

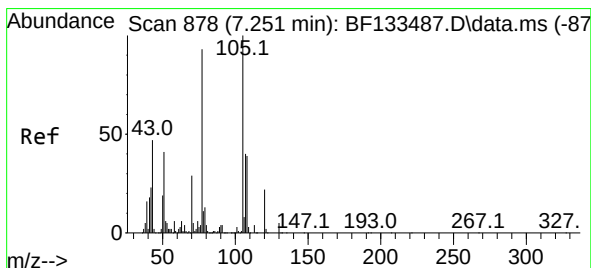
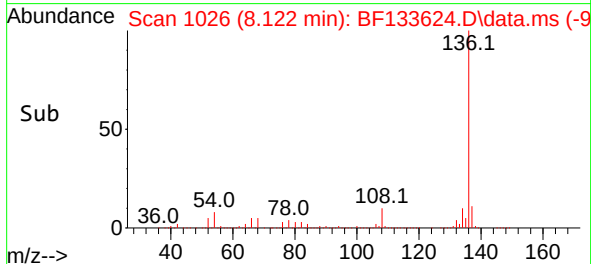
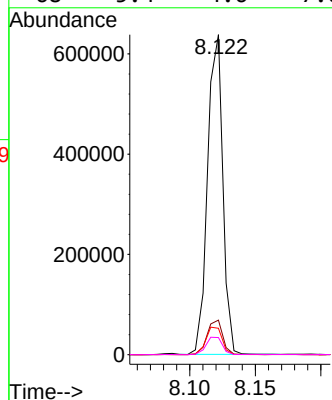
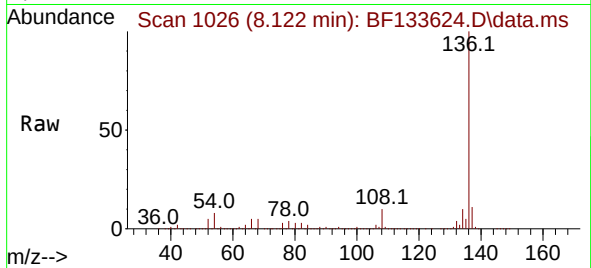




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

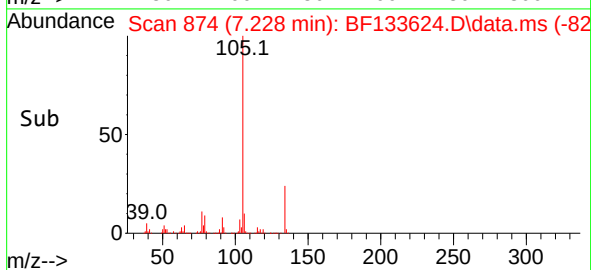
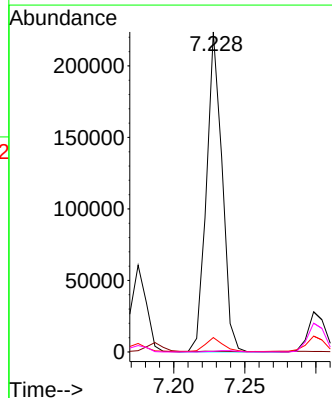
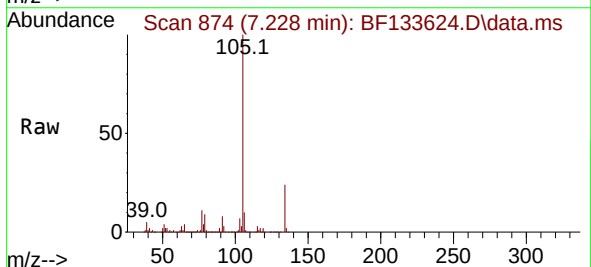
Instrument :
BNA_F
ClientSampleId :
MH-289

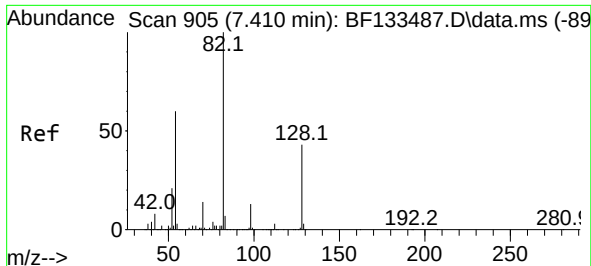
Tgt Ion:136 Resp: 517121
Ion Ratio Lower Upper
136 100
137 10.8 8.2 12.4
54 8.3 6.6 10.0
68 5.4 4.6 7.0



#22
Acetophenone
Concen: 14.435 ng
RT: 7.228 min Scan# 874
Delta R.T. -0.023 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

Tgt Ion:105 Resp: 171897
Ion Ratio Lower Upper
105 100
71 0.2 3.8 5.8#
51 4.5 32.6 49.0#
120 0.2 17.5 26.3#





#23

Nitrobenzene-d5

Concen: 86.951 ng

RT: 7.404 min Scan# 905

Delta R.T. 0.000 min

Lab File: BF133624.D

Acq: 07 Jun 2023 14:47

Instrument :

BNA_F

ClientSampleId :

MH-289

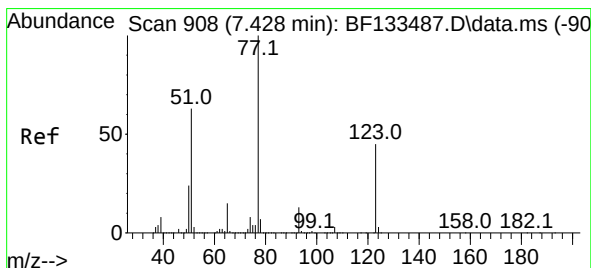
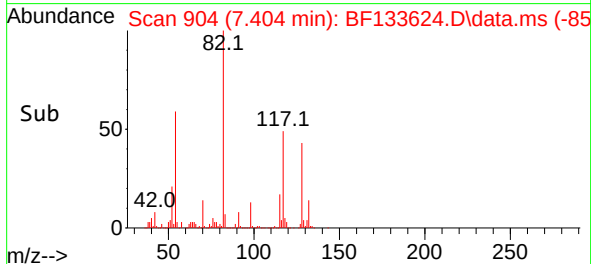
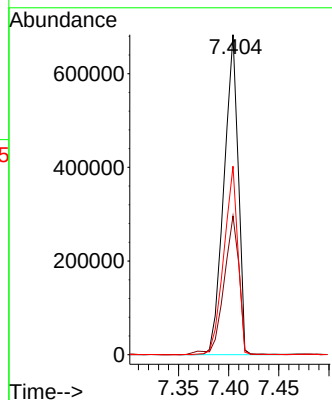
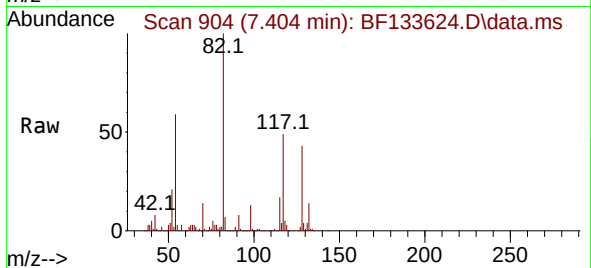
Tgt Ion: 82 Resp: 673434

Ion Ratio Lower Upper

82 100

128 43.3 34.2 51.4

54 58.9 48.2 72.4



#24

Nitrobenzene

Concen: 3.224 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF133624.D

Acq: 07 Jun 2023 14:47

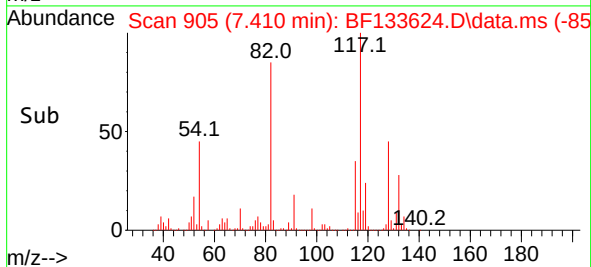
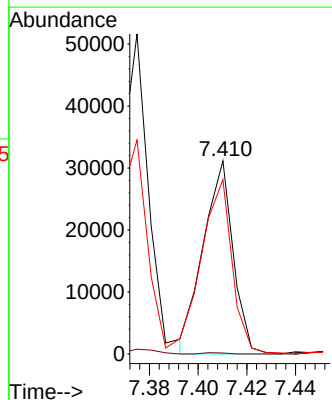
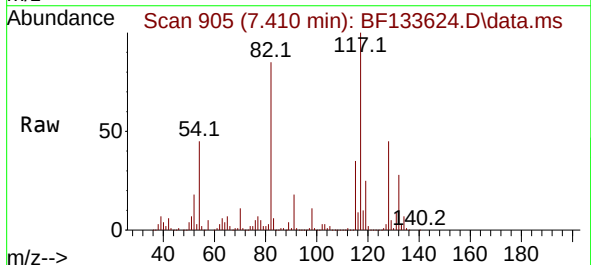
Tgt Ion: 77 Resp: 26604

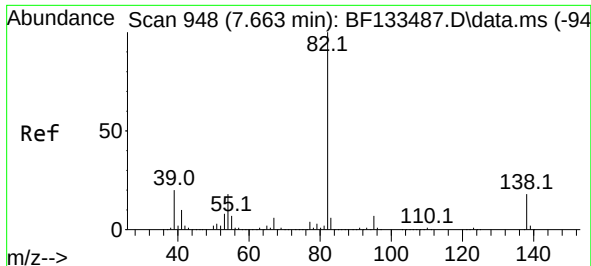
Ion Ratio Lower Upper

77 100

123 0.5 35.8 53.8#

65 90.2 11.8 17.8#

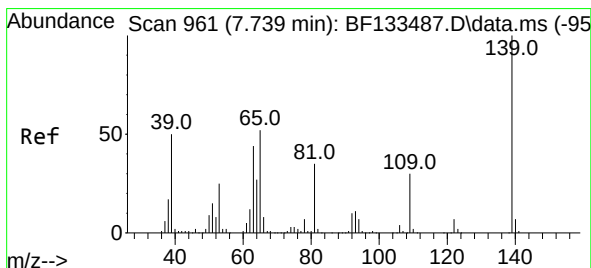
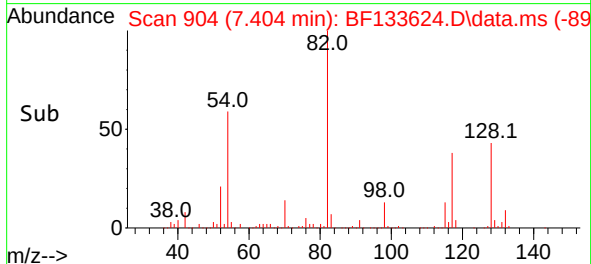
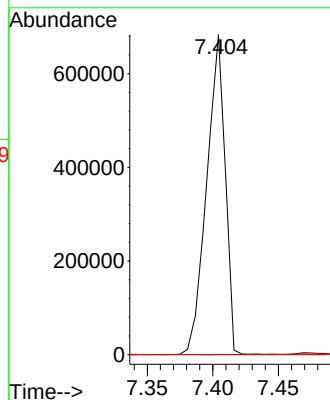
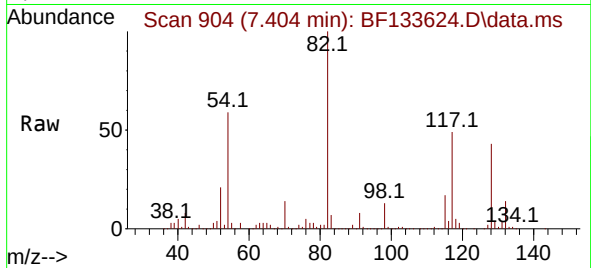




#25
Isophorone
Concen: 37.154 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.259 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

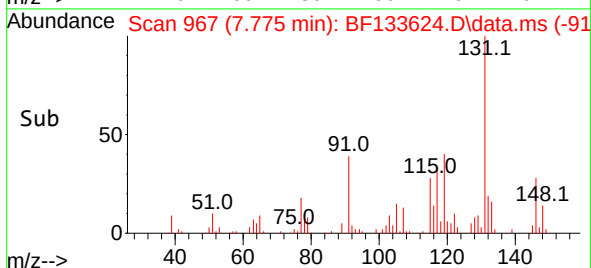
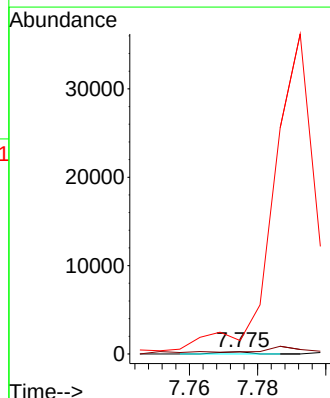
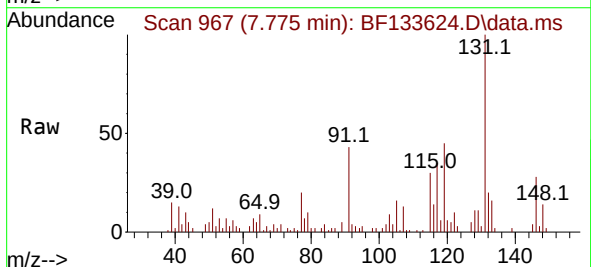
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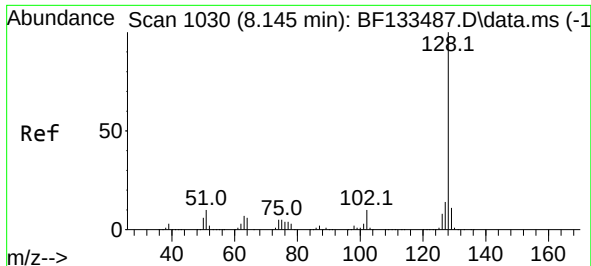
Tgt Ion: 82 Resp: 670647
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 14.2 21.4#



#26
2-Nitrophenol
Concen: 4.777 ng
RT: 7.775 min Scan# 967
Delta R.T. 0.035 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

Tgt Ion:139 Resp: 147
Ion Ratio Lower Upper
139 100
109 92.9 24.0 36.0#
65 601.2 41.7 62.5#

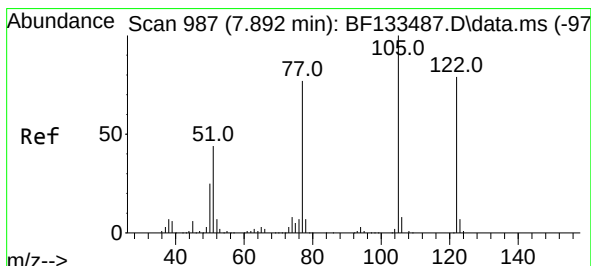
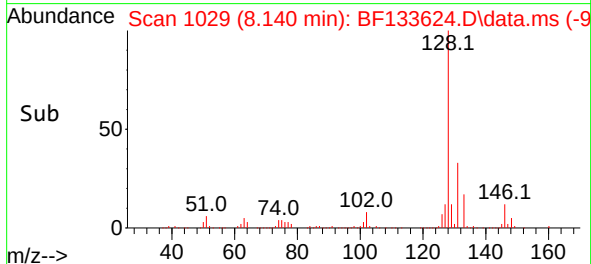
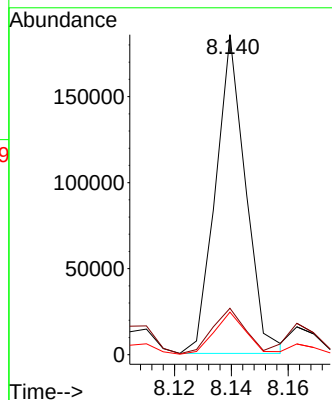
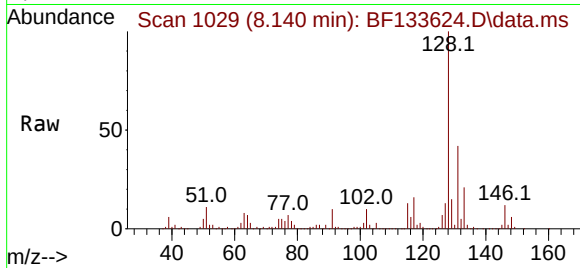




#31
Naphthalene
Concen: 5.421 ng
RT: 8.140 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

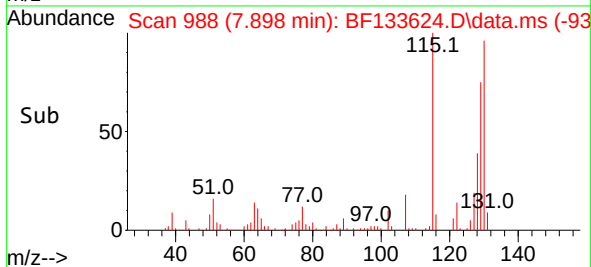
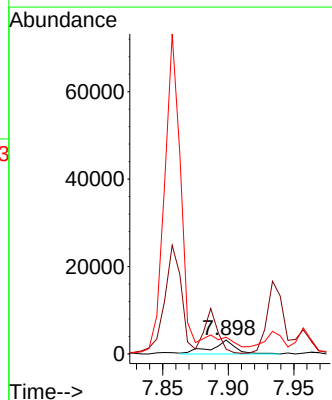
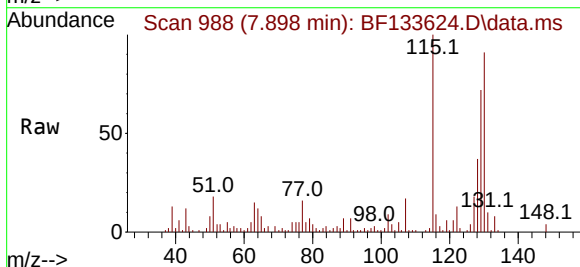
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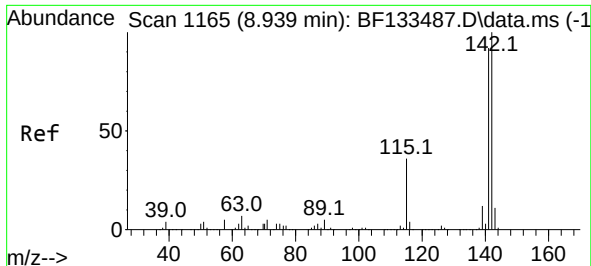
Tgt Ion:128 Resp: 135916
Ion Ratio Lower Upper
128 100
129 14.5 9.2 13.8#
127 13.3 10.9 16.3



#32
Benzoic acid
Concen: 8.041 ng
RT: 7.898 min Scan# 988
Delta R.T. 0.012 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

Tgt Ion:122 Resp: 4131
Ion Ratio Lower Upper
122 100
105 34.8 103.3 143.3#
77 120.8 75.7 115.7#

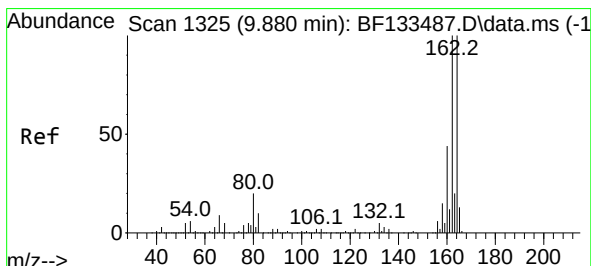
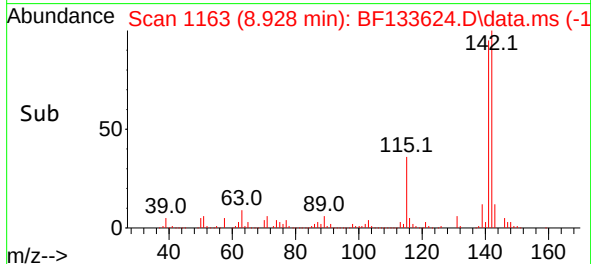
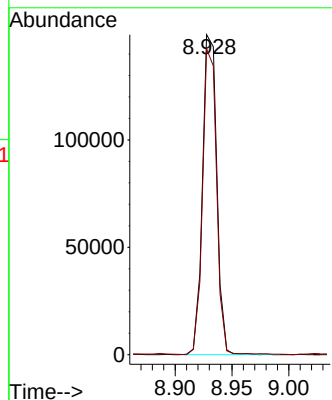
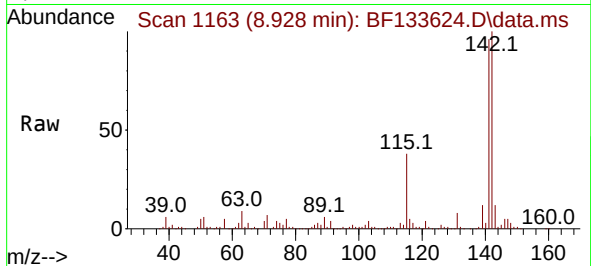




#38
1-Methylnaphthalene
Concen: 8.165 ng
RT: 8.928 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

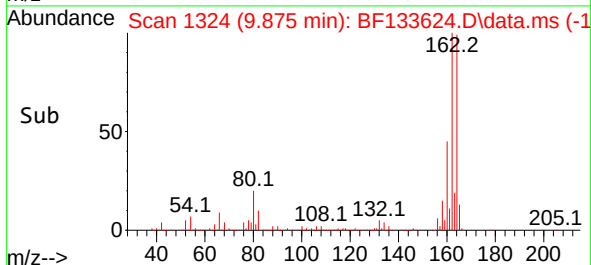
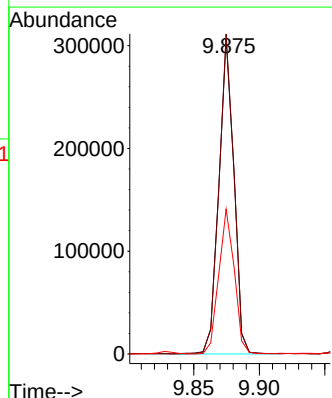
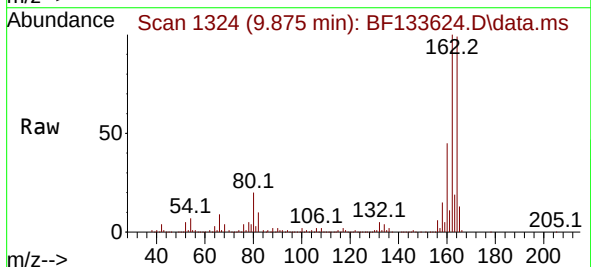
Instrument :
BNA_F
ClientSampleId :
MH-289

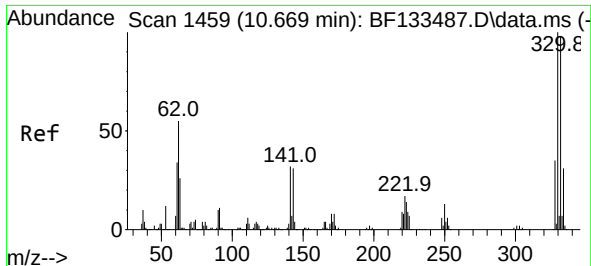
Tgt Ion:142 Resp: 130289
Ion Ratio Lower Upper
142 100
141 95.5 73.6 110.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

Tgt Ion:164 Resp: 244139
Ion Ratio Lower Upper
164 100
162 101.3 79.7 119.5
160 45.9 35.4 53.0

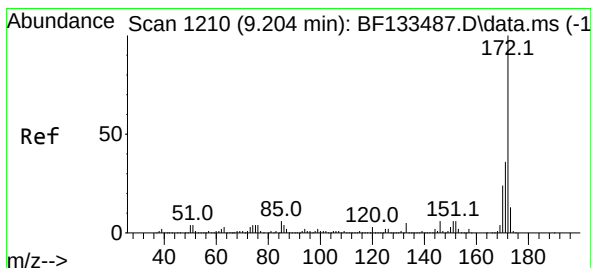
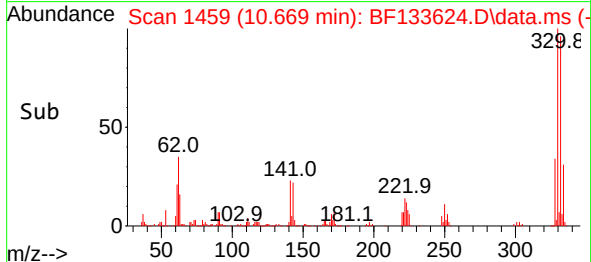
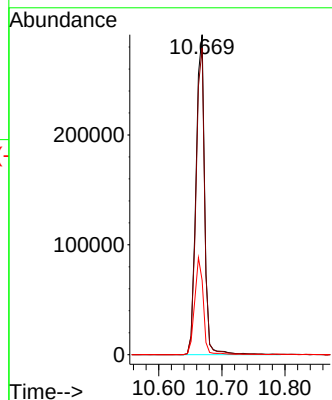
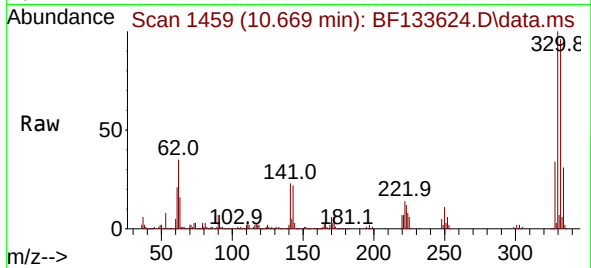




#42
2,4,6-Tribromophenol
Concen: 113.421 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

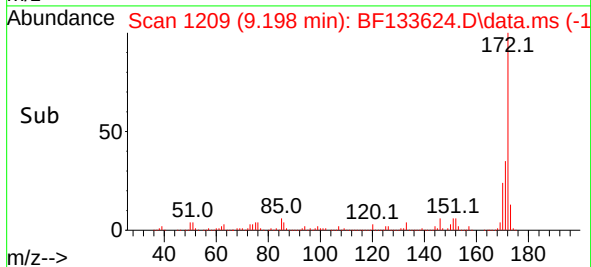
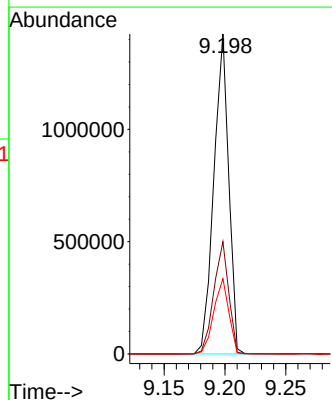
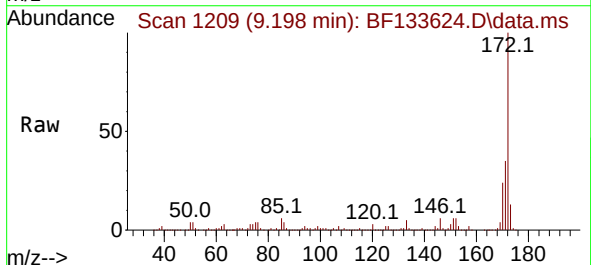
Instrument :
BNA_F
ClientSampleId :
MH-289

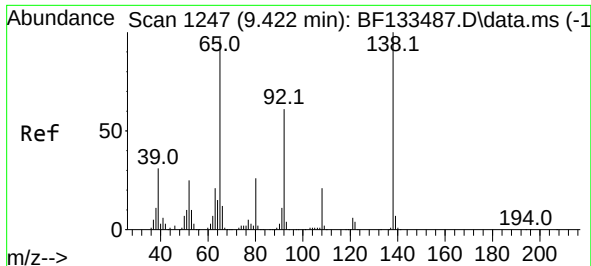
Tgt Ion:330 Resp: 276023
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.6
141 30.4 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 76.300 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

Tgt Ion:172 Resp: 1206907
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.5 19.3 28.9

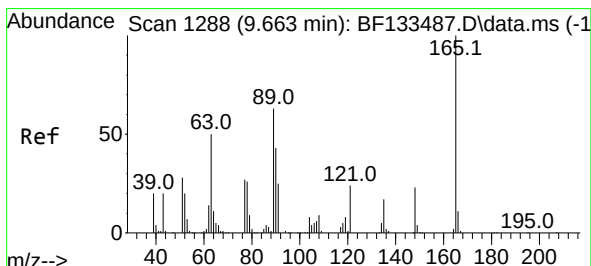
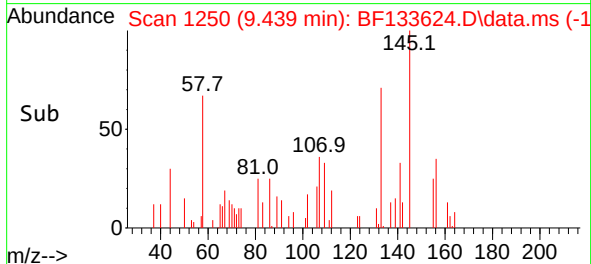
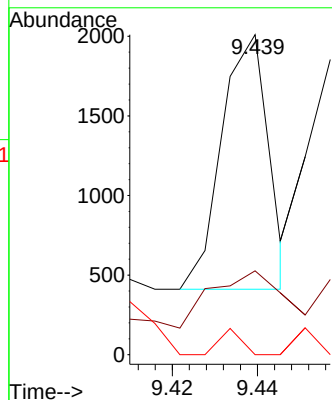
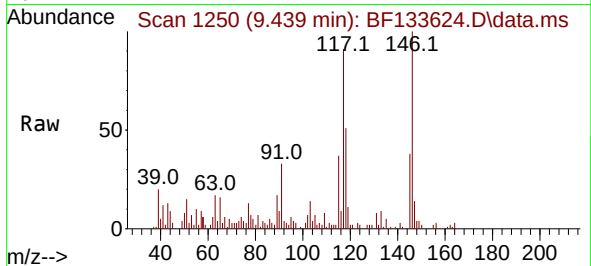




#48
2-Nitroaniline
Concen: 4.235 ng
RT: 9.439 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

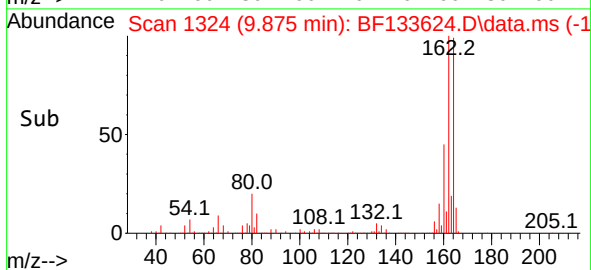
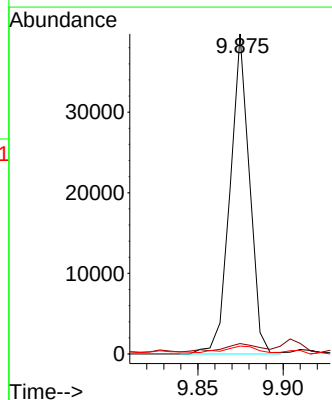
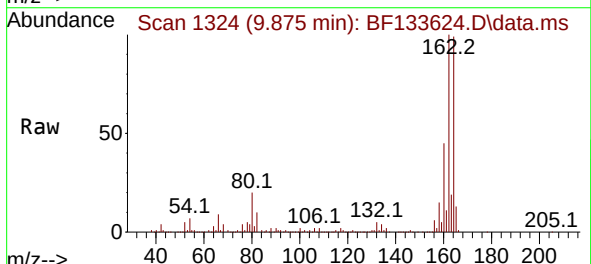
Instrument :
BNA_F
ClientSampleId :
MH-289

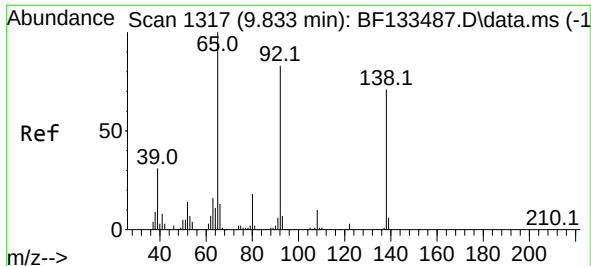
Tgt Ion: 65 Resp: 1229
Ion Ratio Lower Upper
65 100
92 26.2 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.567 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

Tgt Ion: 165 Resp: 31393
Ion Ratio Lower Upper
165 100
63 3.2 57.0 85.4#
89 2.5 50.8 76.2#

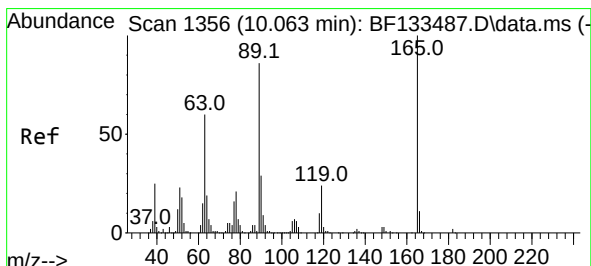
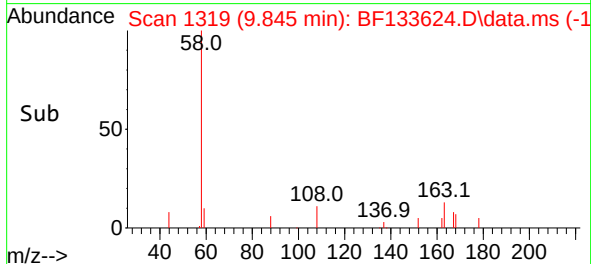
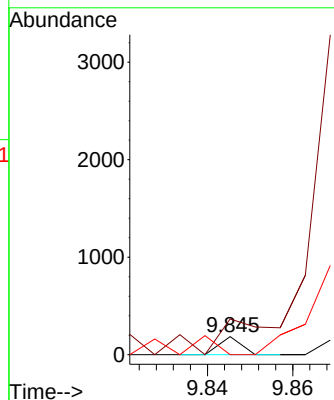
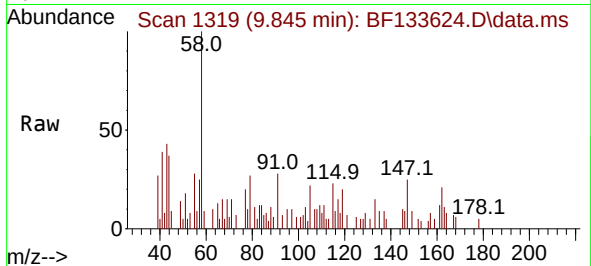




#53
3-Nitroaniline
Concen: 3.195 ng
RT: 9.845 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

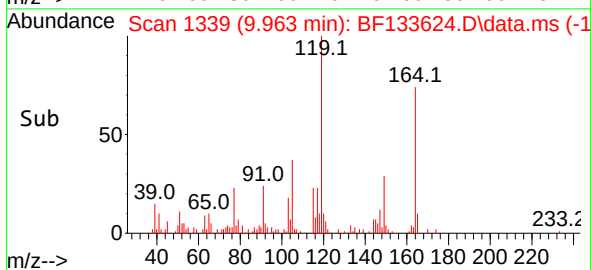
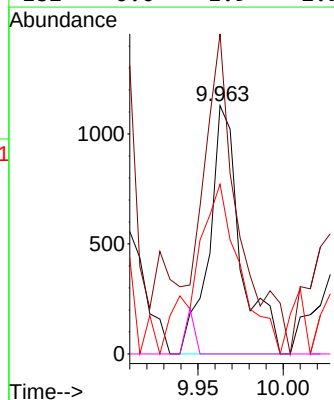
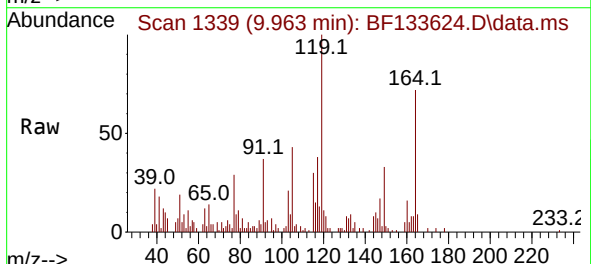
Instrument :
BNA_F
ClientSampleId :
MH-289

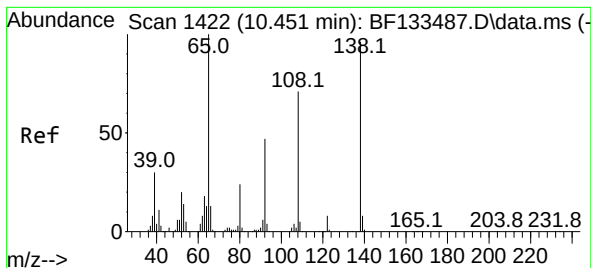
Tgt Ion:138 Resp: 66
Ion Ratio Lower Upper
138 100
108 197.3 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 5.067 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.106 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

Tgt Ion:165 Resp: 1445
Ion Ratio Lower Upper
165 100
63 128.9 48.1 72.1#
89 68.4 68.4 102.6#
182 0.0 1.9 2.9#

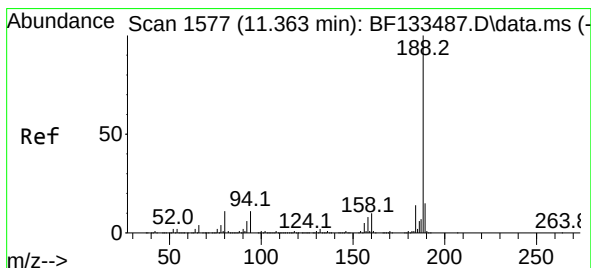
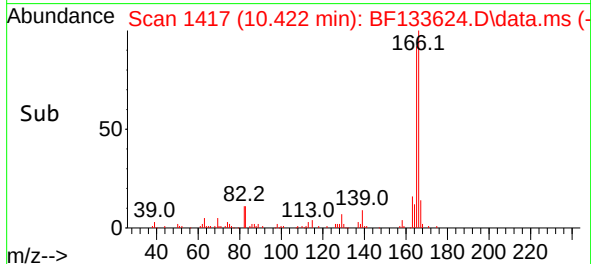
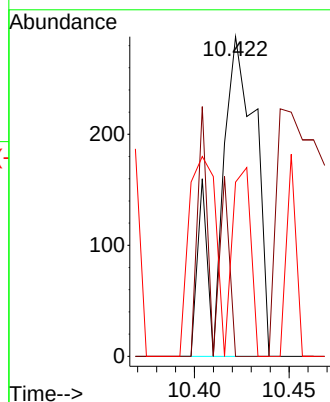
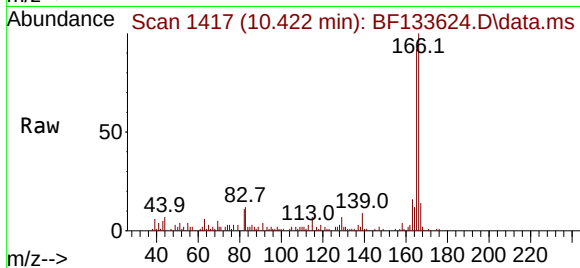




#62
4-Nitroaniline
Concen: 3.072 ng
RT: 10.422 min Scan# 1417
Delta R.T. -0.029 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

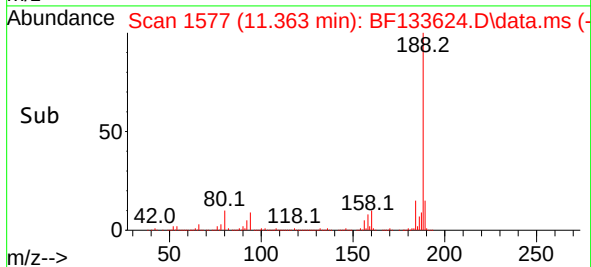
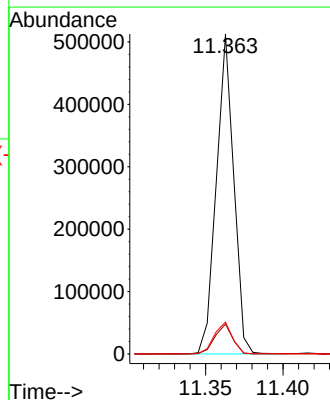
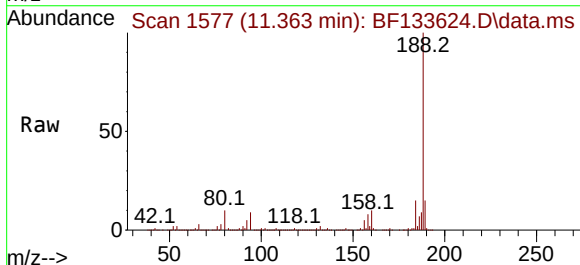
Instrument :
BNA_F
ClientSampleId :
MH-289

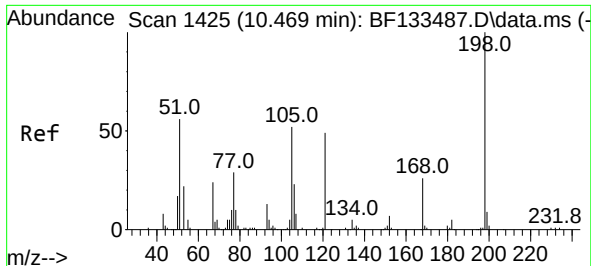
Tgt Ion:138 Resp: 381
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 54.5 54.2 94.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

Tgt Ion:188 Resp: 400799
Ion Ratio Lower Upper
188 100
94 9.3 8.6 12.8
80 10.0 9.2 13.8

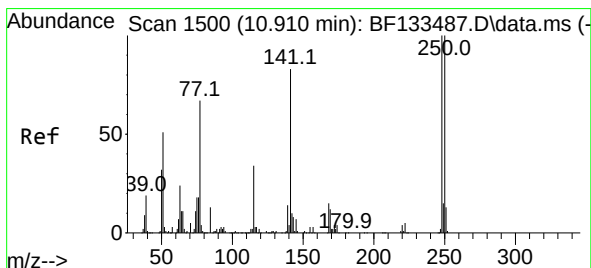
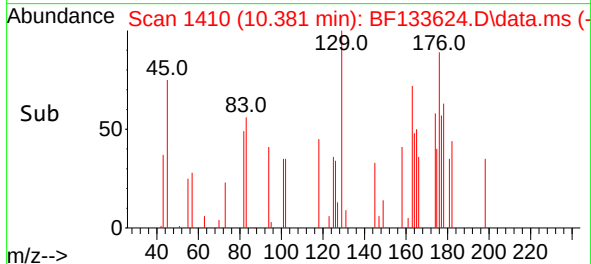
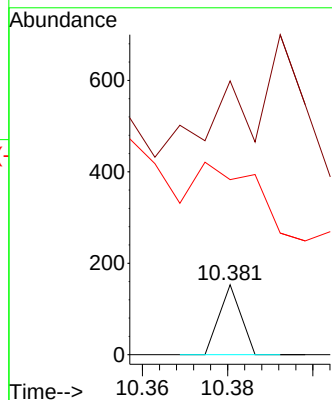
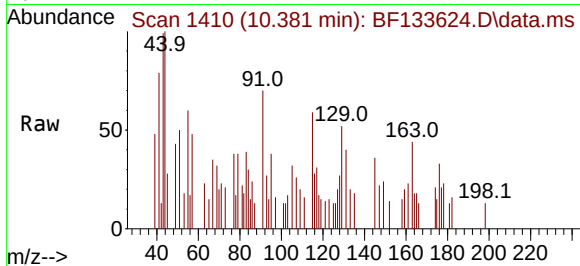




#65
4,6-Dinitro-2-methylphenol
Concen: 8.739 ng
RT: 10.381 min Scan# 14
Delta R.T. -0.100 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

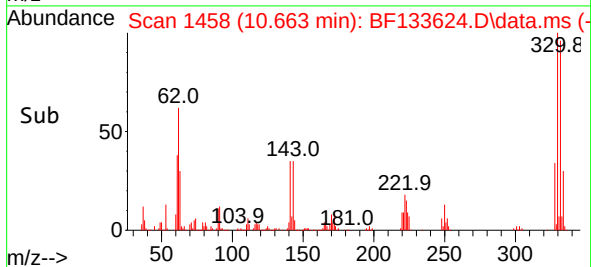
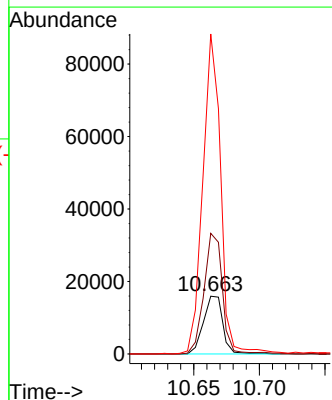
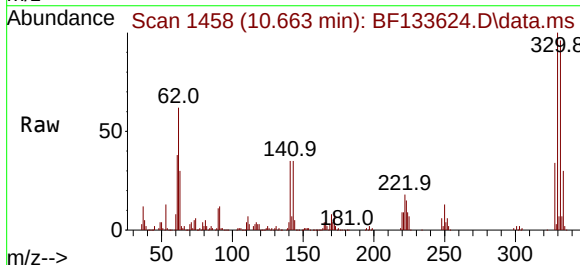
Instrument :
BNA_F
ClientSampleId :
MH-289

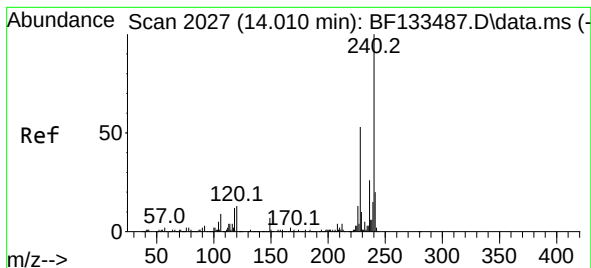
Tgt Ion:198 Resp: 54
Ion Ratio Lower Upper
198 100
51 391.5 53.6 93.6#
105 250.3 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 3.851 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF133624.D
Acq: 07 Jun 2023 14:47

Tgt Ion:248 Resp: 16390
Ion Ratio Lower Upper
248 100
250 208.8 79.7 119.5#
141 553.5 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF133624.D

Acq: 07 Jun 2023 14:47

Instrument :

BNA_F

ClientSampleId :

MH-289

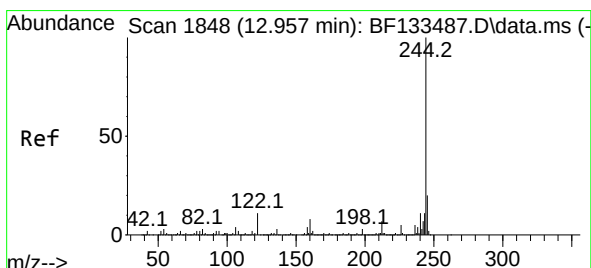
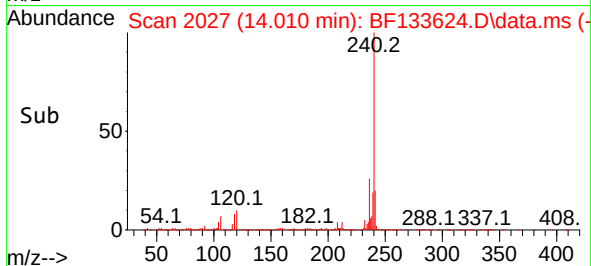
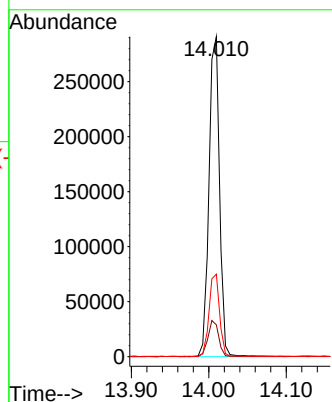
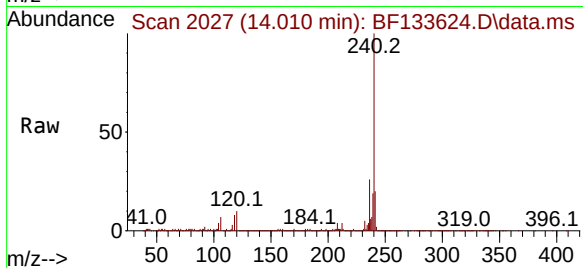
Tgt Ion:240 Resp: 275213

Ion Ratio Lower Upper

240 100

120 10.0 10.3 15.5#

236 25.8 20.5 30.7



#79

Terphenyl-d14

Concen: 71.326 ng

RT: 12.957 min Scan# 1848

Delta R.T. 0.000 min

Lab File: BF133624.D

Acq: 07 Jun 2023 14:47

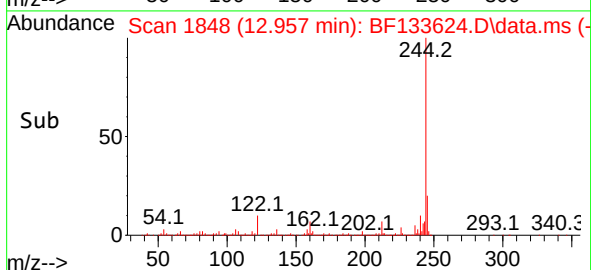
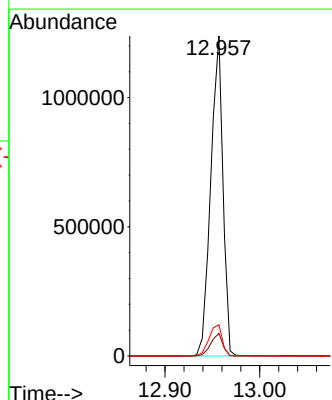
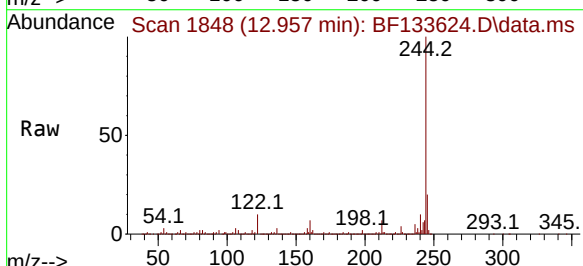
Tgt Ion:244 Resp: 1104045

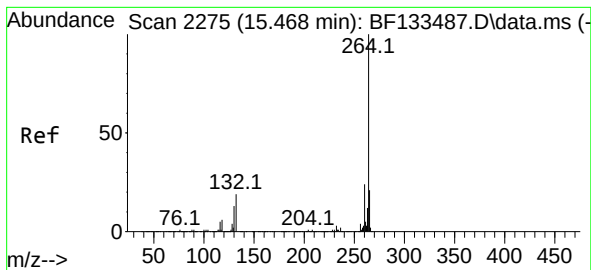
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.8 8.5 12.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133624.D

Acq: 07 Jun 2023 14:47

Instrument :

BNA_F

ClientSampleId :

MH-289

Tgt Ion:264 Resp: 216536

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 22.9 16.8 25.2

