

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060823\
 Data File : BF133635.D
 Acq On : 08 Jun 2023 11:25
 Operator : CG\JU
 Sample : 03016-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB28

Quant Time: Jun 08 13:00:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 08 11:43:32 2023
 Response via : Initial Calibration

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

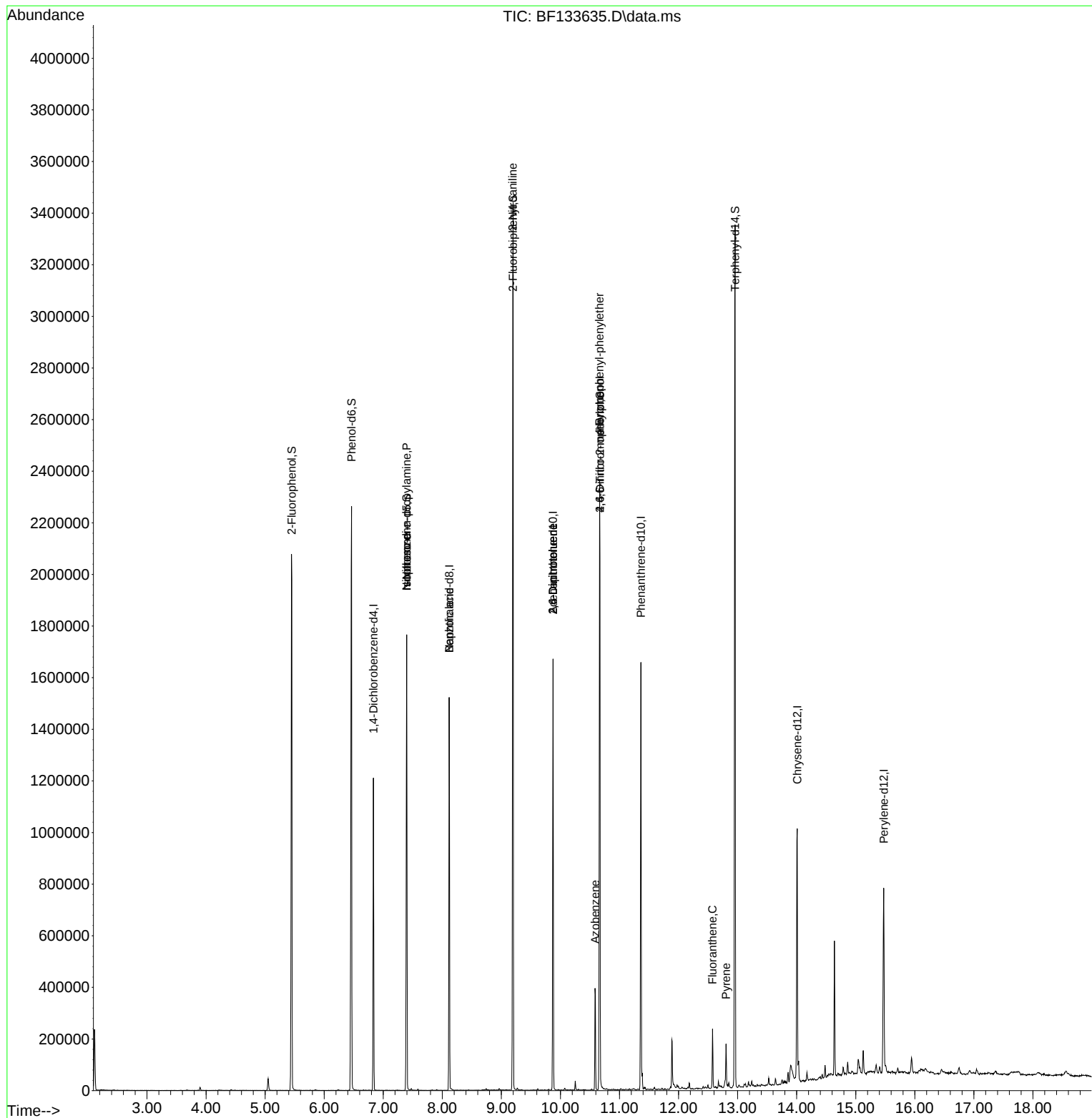
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	158255	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	599655	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	298352	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	555197	20.000	ng	0.00
76) Chrysene-d12	14.010	240	334690	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	324609	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	585675	61.747	ng	0.00
7) Phenol-d6	6.463	99	765092	65.526	ng	0.00
23) Nitrobenzene-d5	7.398	82	487140	54.241	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	316732	106.500	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1052108	54.428	ng	0.00
79) Terphenyl-d14	12.957	244	1227699	65.219	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.381	77	57	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	66921	8.858	ng	# 75
25) Isophorone	7.398	82	487135	23.273	ng	# 65
32) Benzoic acid	8.116	122	59	7.358	ng	# 1
48) 2-Nitroaniline	9.192	65	1860	4.293	ng	# 1
51) 2,6-Dinitrotoluene	9.875	165	37512	12.369	ng	# 18
57) 2,4-Dinitrotoluene	9.875	165	37512	11.577	ng	# 15
63) Azobenzene	10.586	77	69206	3.176	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.669	198	648	8.945	ng	# 7
67) 4-Bromophenyl-phenylether	10.663	248	19339	3.280	ng	# 1
75) Fluoranthene	12.574	202	83415	2.686	ng	97
78) Pyrene	12.804	202	63742	2.238	ng	99

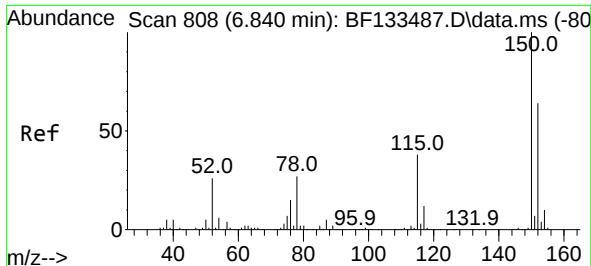
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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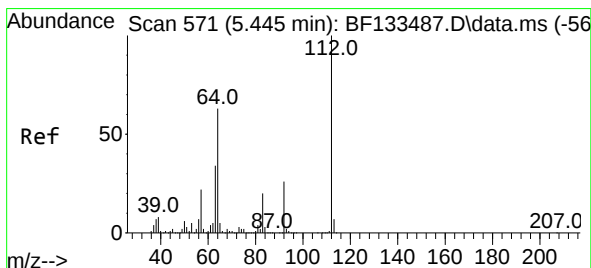
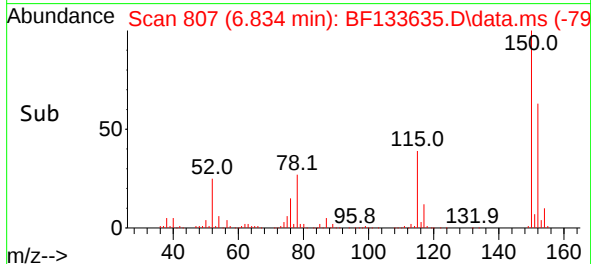
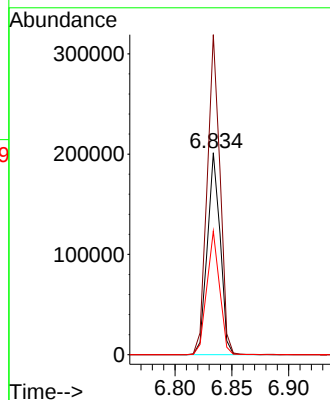
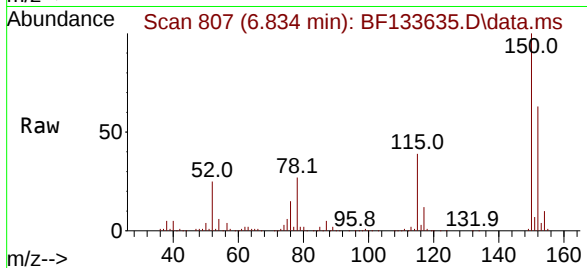




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

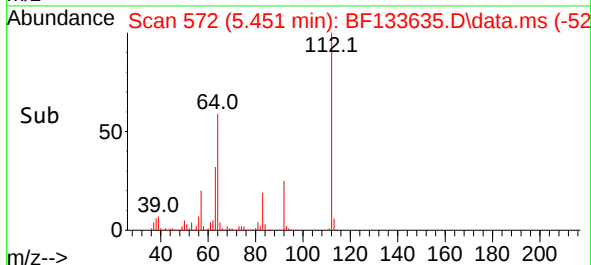
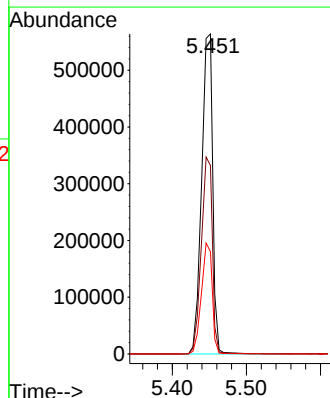
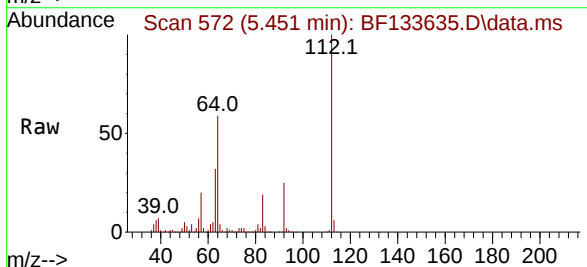
Instrument :
BNA_F
ClientSampleId :
SB28

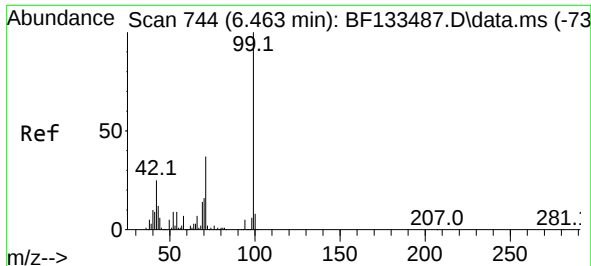
Tgt Ion:152 Resp: 158255
Ion Ratio Lower Upper
152 100
150 158.5 124.9 187.3
115 61.1 48.1 72.1



#5
2-Fluorophenol
Concen: 61.747 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.006 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

Tgt Ion:112 Resp: 585675
Ion Ratio Lower Upper
112 100
64 58.9 50.1 75.1
63 32.0 27.5 41.3

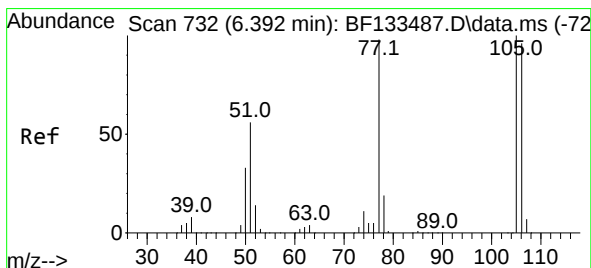
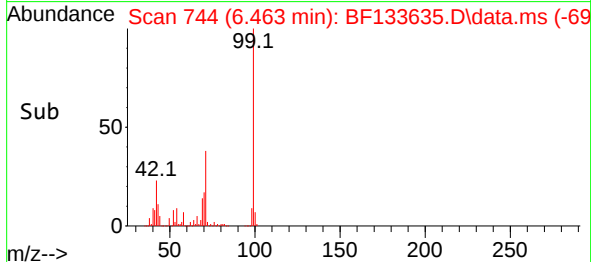
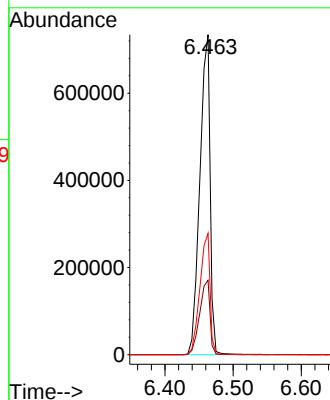
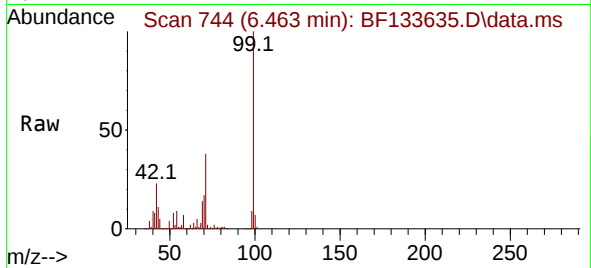




#7
Phenol-d6
Concen: 65.526 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

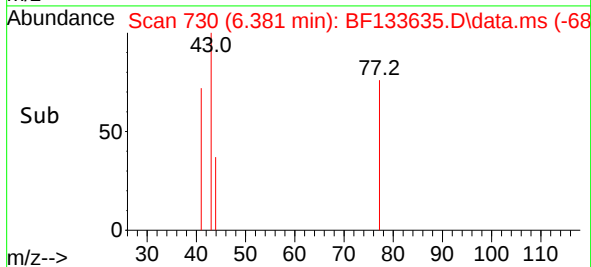
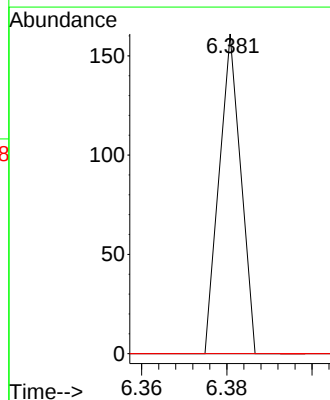
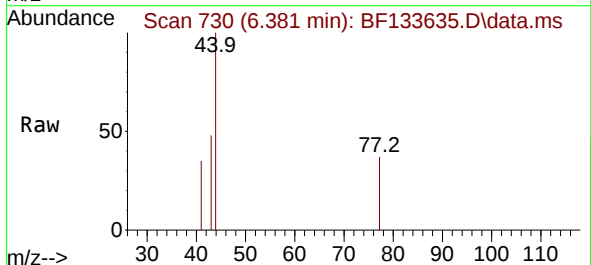
Instrument :
BNA_F
ClientSampleId :
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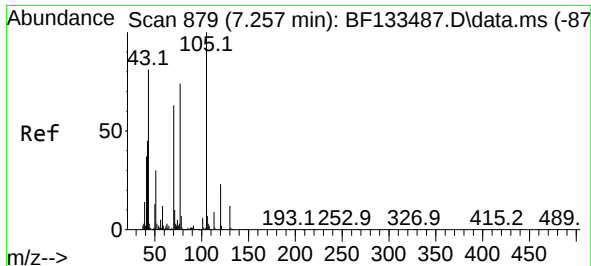
Tgt Ion: 99 Resp: 765092
Ion Ratio Lower Upper
99 100
42 23.2 19.7 29.5
71 37.9 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

Tgt Ion: 77 Resp: 57
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

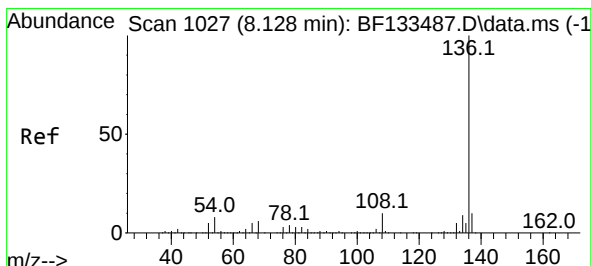
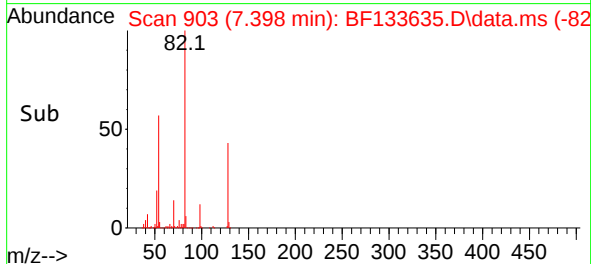
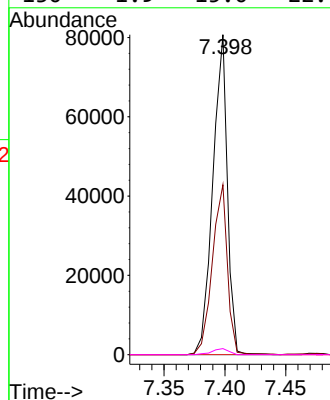
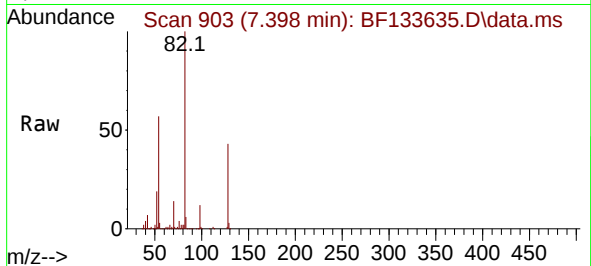




#19
n-Nitroso-di-n-propylamine
Concen: 8.858 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

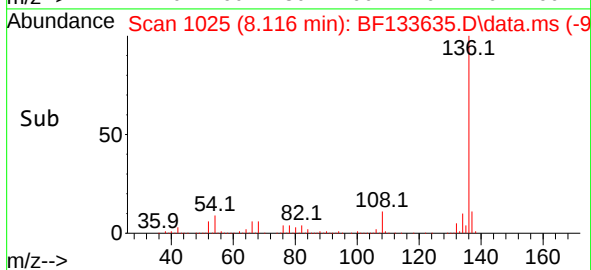
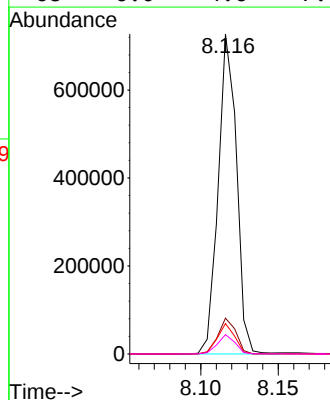
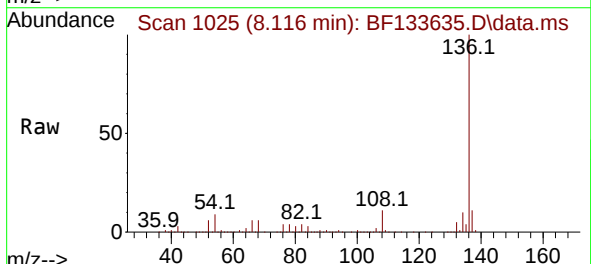
Instrument :
BNA_F
ClientSampleId :
SB28

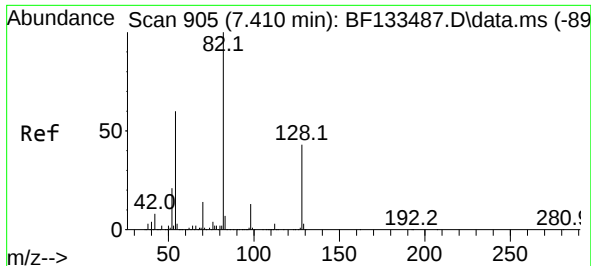
Tgt Ion: 70	Resp: 66921
Ion Ratio	Lower Upper
70 100	
42 53.1	57.2 85.8#
101 0.0	7.3 10.9#
130 1.9	15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

Tgt Ion: 136	Resp: 599655
Ion Ratio	Lower Upper
136 100	
137 11.2	8.2 12.4
54 9.5	6.6 10.0
68 6.0	4.6 7.0





#23

Nitrobenzene-d5

Concen: 54.241 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133635.D

Acq: 08 Jun 2023 11:25

Instrument :

BNA_F

ClientSampleId :

SB28

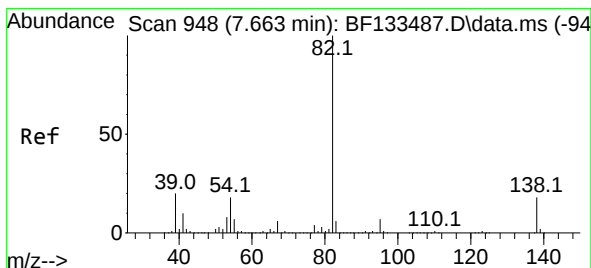
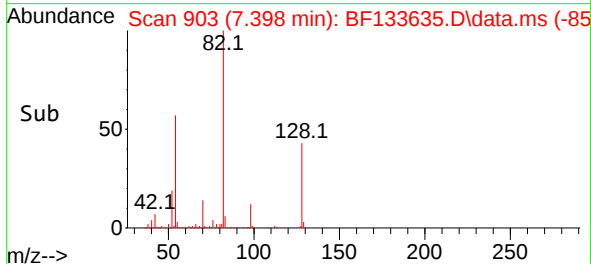
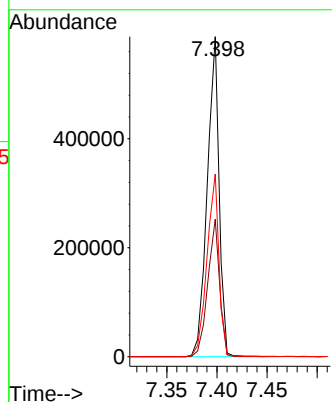
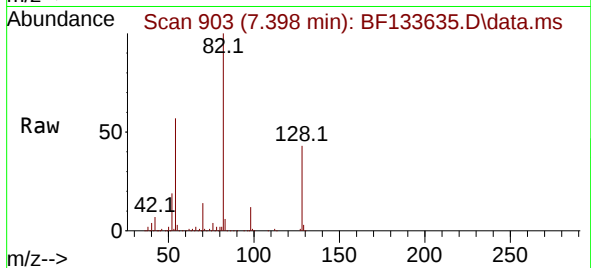
Tgt Ion: 82 Resp: 487140

Ion Ratio Lower Upper

82 100

128 43.0 34.2 51.4

54 57.1 48.2 72.4



#25

Isophorone

Concen: 23.273 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.265 min

Lab File: BF133635.D

Acq: 08 Jun 2023 11:25

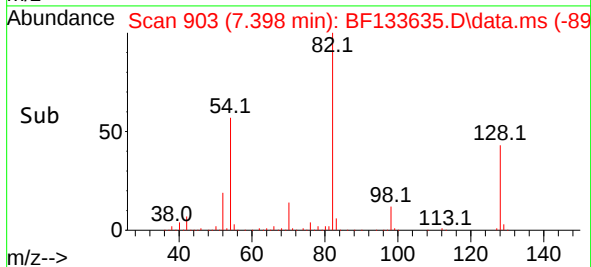
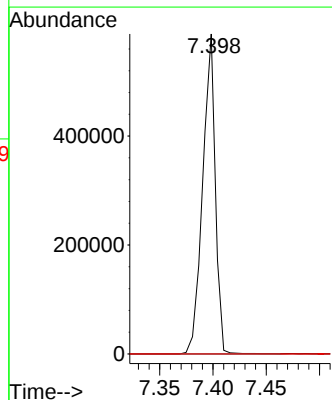
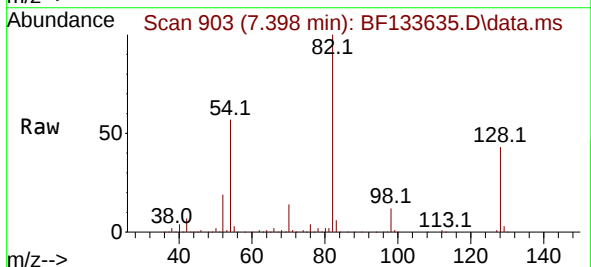
Tgt Ion: 82 Resp: 487135

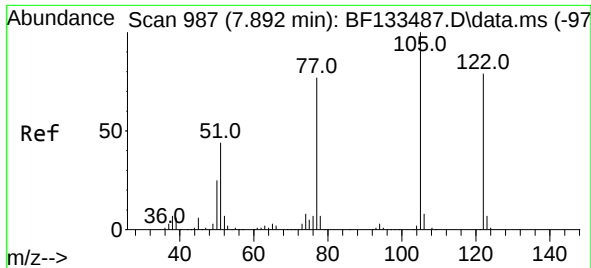
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

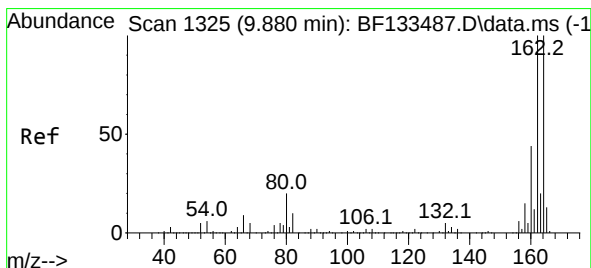
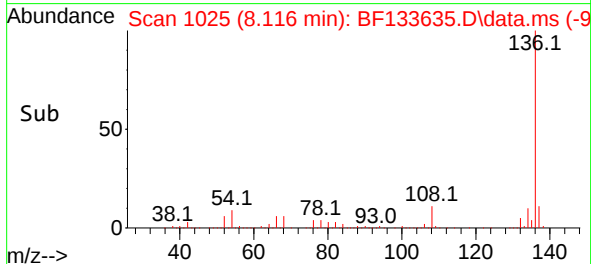
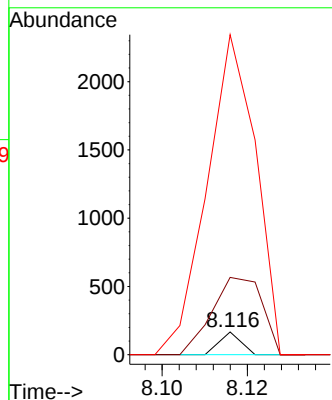
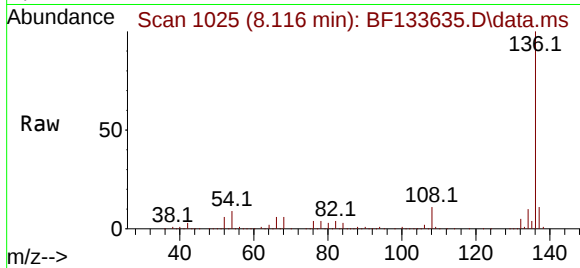




#32
Benzoic acid
Concen: 7.358 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.224 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

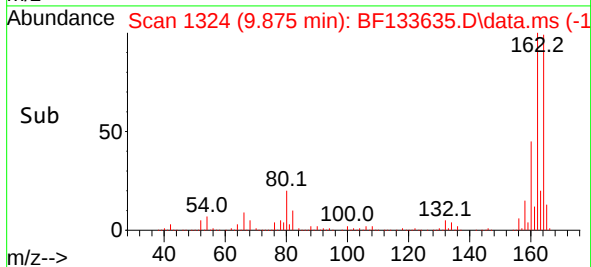
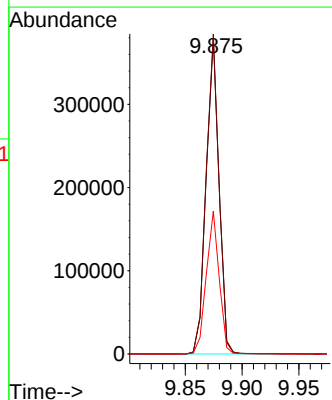
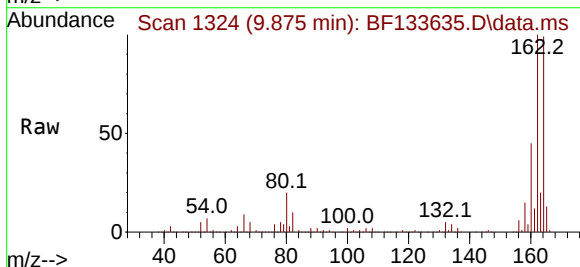
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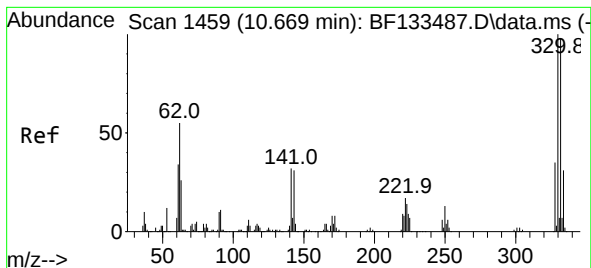
Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 338.9 103.3 143.3#
77 1403.6 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

Tgt Ion:164 Resp: 298352
Ion Ratio Lower Upper
164 100
162 101.3 79.7 119.5
160 45.3 35.4 53.0

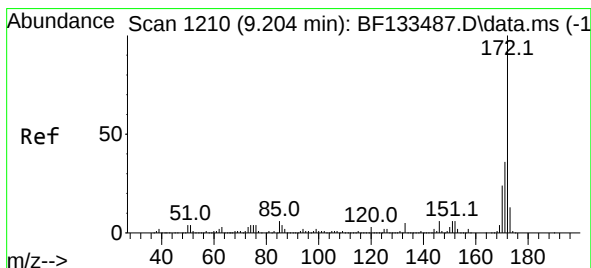
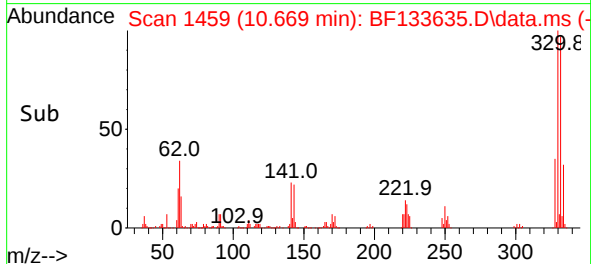
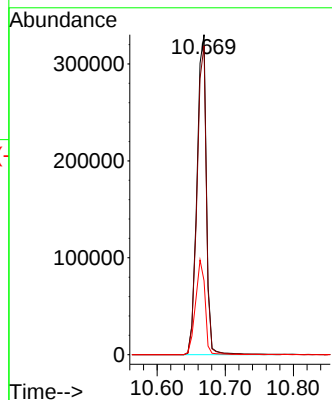
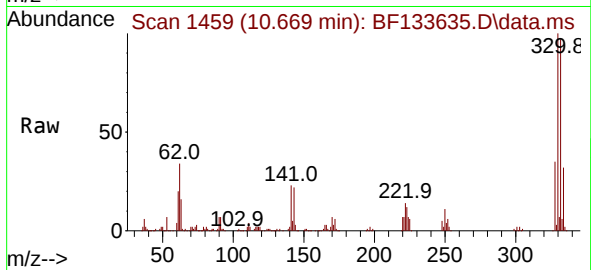




#42
2,4,6-Tribromophenol
Concen: 106.500 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

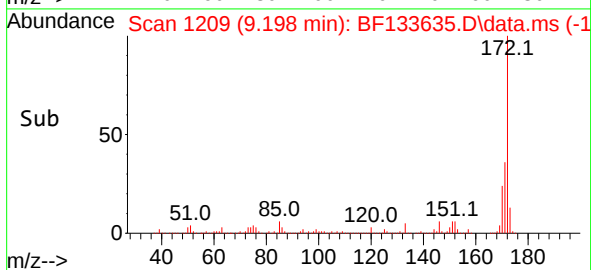
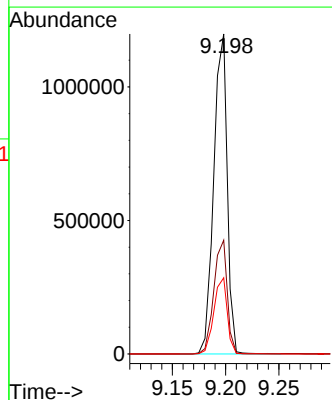
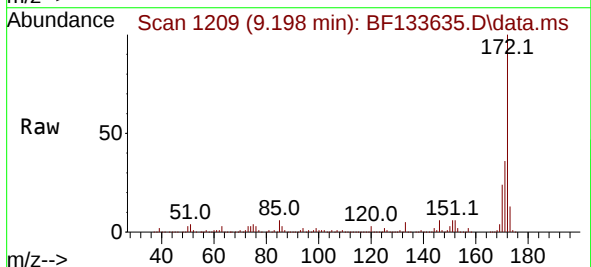
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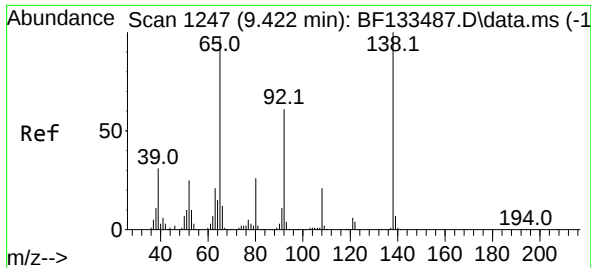
Tgt Ion:330 Resp: 316732
Ion Ratio Lower Upper
330 100
332 95.5 77.8 116.6
141 29.9 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 54.428 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

Tgt Ion:172 Resp: 1052108
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.8 19.3 28.9

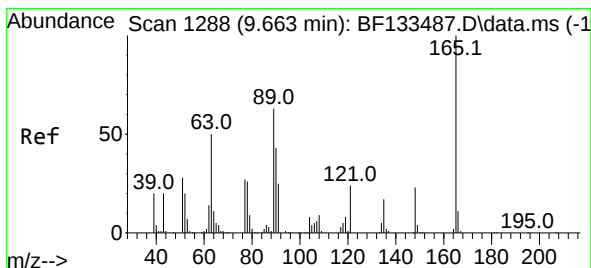
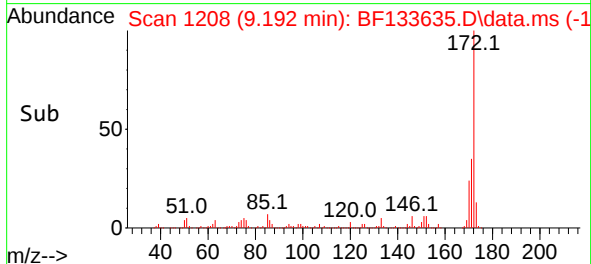
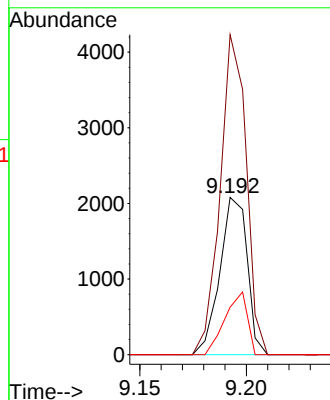
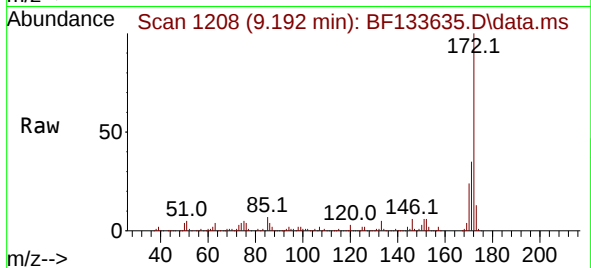




#48
2-Nitroaniline
Concen: 4.293 ng
RT: 9.192 min Scan# 11
Delta R.T. -0.229 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

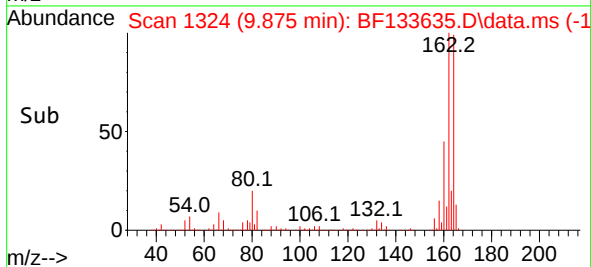
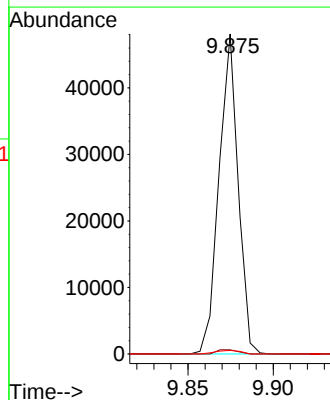
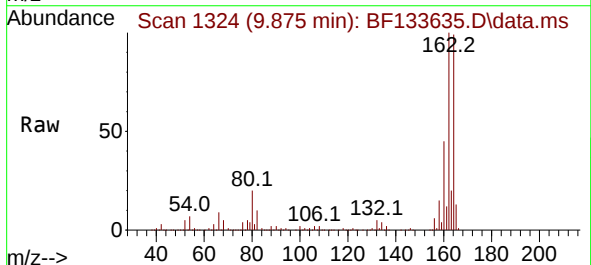
Instrument :
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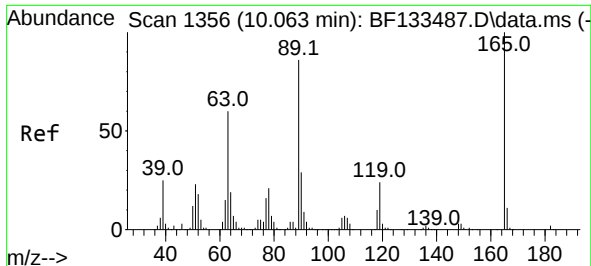
Tgt Ion: 65 Resp: 1860
Ion Ratio Lower Upper
65 100
92 203.5 50.8 76.2#
138 30.3 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.369 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.206 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

Tgt Ion: 165 Resp: 37512
Ion Ratio Lower Upper
165 100
63 1.3 57.0 85.4#
89 1.1 50.8 76.2#

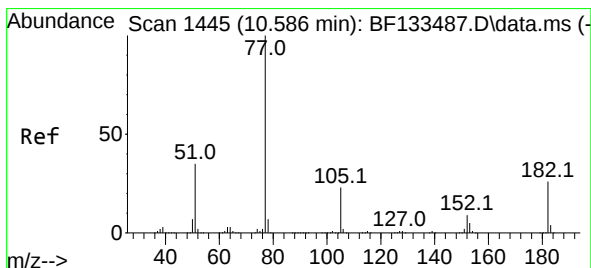
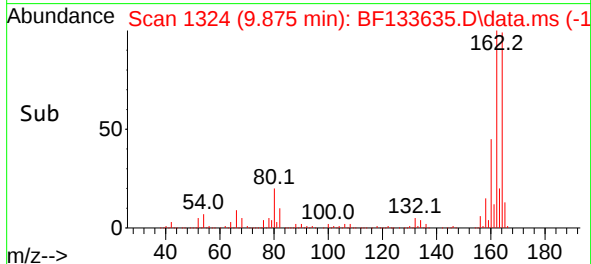
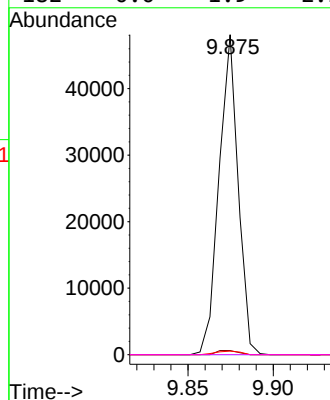
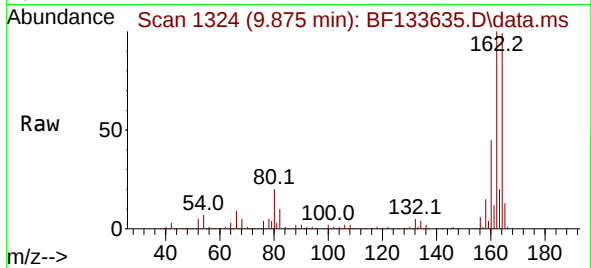




#57
2,4-Dinitrotoluene
Concen: 11.577 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

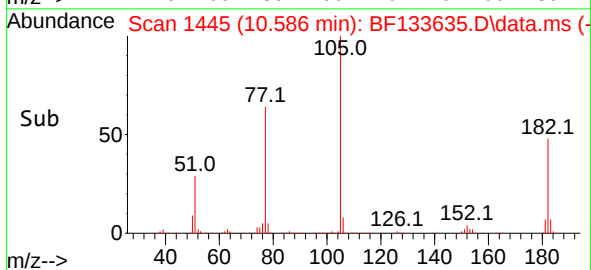
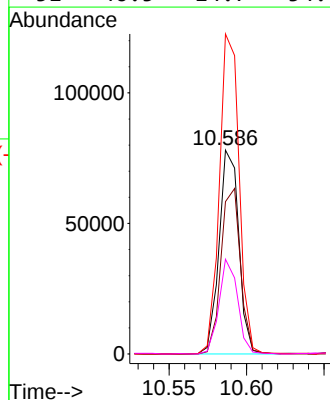
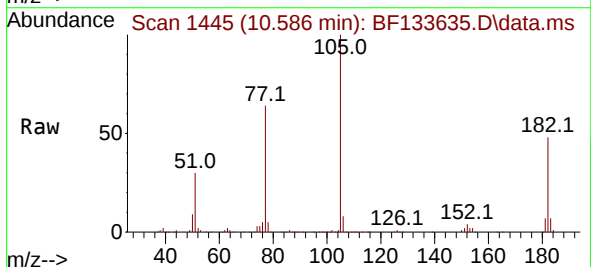
Instrument :
BNA_F
ClientSampleId :
SB28

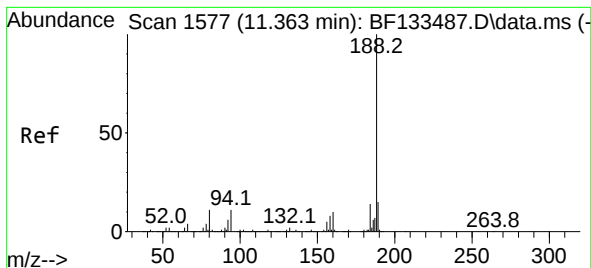
Tgt Ion:165 Resp: 37512
Ion Ratio Lower Upper
165 100
63 1.3 48.1 72.1#
89 1.1 68.4 102.6#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 3.176 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

Tgt Ion: 77 Resp: 69206
Ion Ratio Lower Upper
77 100
182 74.7 5.6 45.6#
105 157.0 2.6 42.6#
51 46.5 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133635.D

Acq: 08 Jun 2023 11:25

Instrument :

BNA_F

ClientSampleId :

SB28

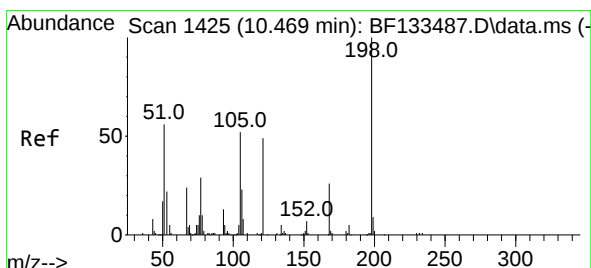
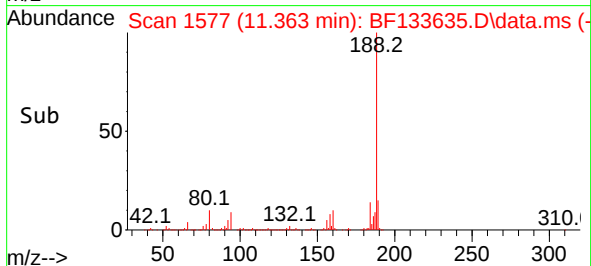
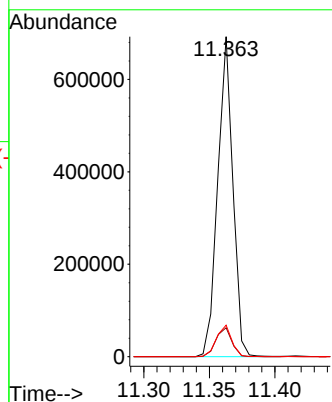
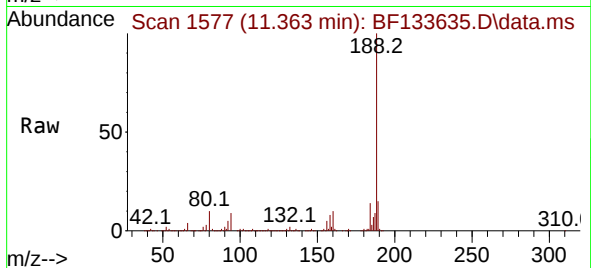
Tgt Ion:188 Resp: 555197

Ion Ratio Lower Upper

188 100

94 9.1 8.6 12.8

80 9.9 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.945 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.188 min

Lab File: BF133635.D

Acq: 08 Jun 2023 11:25

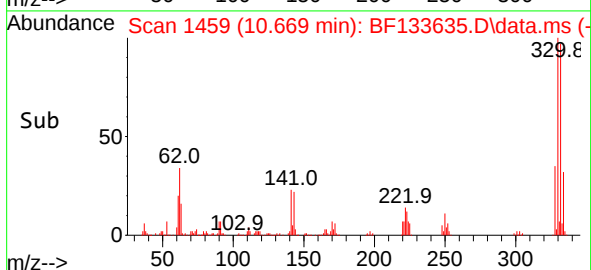
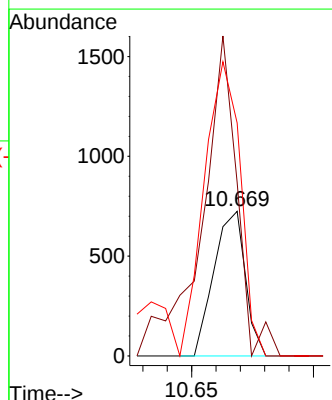
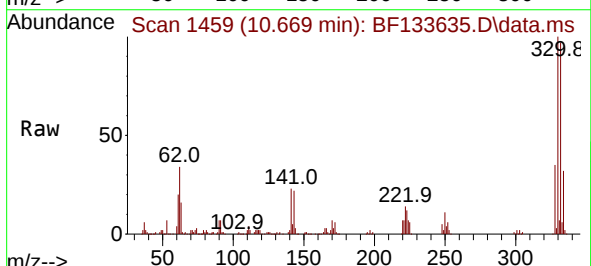
Tgt Ion:198 Resp: 648

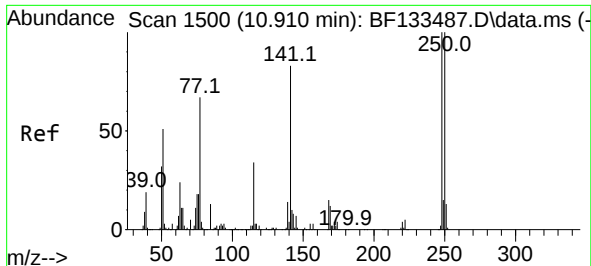
Ion Ratio Lower Upper

198 100

51 119.9 53.6 93.6#

105 161.0 35.9 75.9#

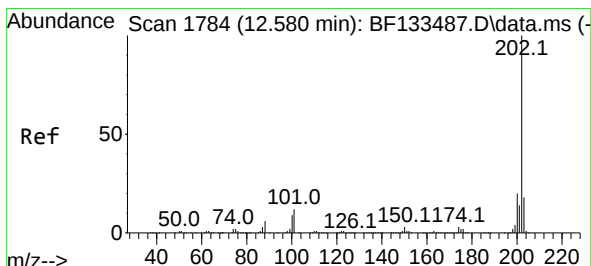
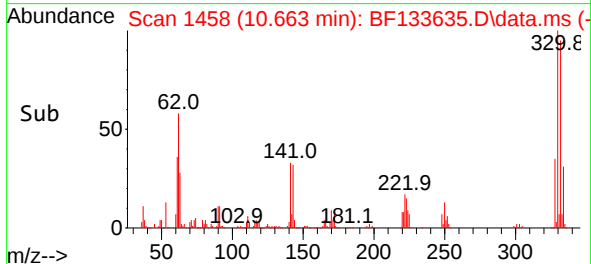
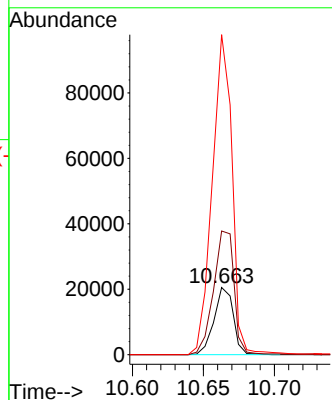
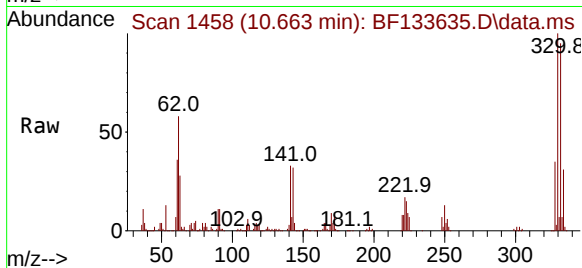




#67
4-Bromophenyl-phenylether
Concen: 3.280 ng
RT: 10.663 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

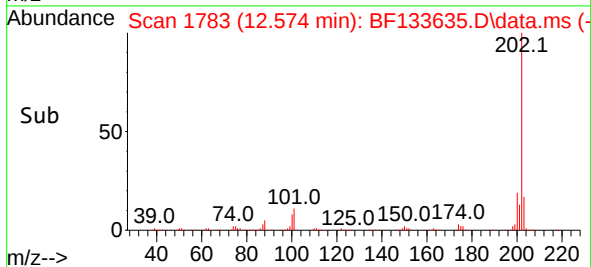
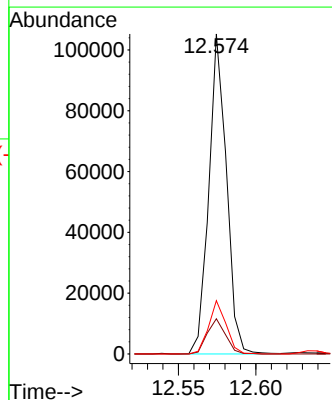
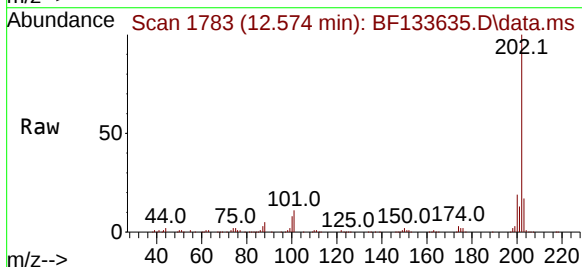
Instrument :
BNA_F
ClientSampleId :
SB28

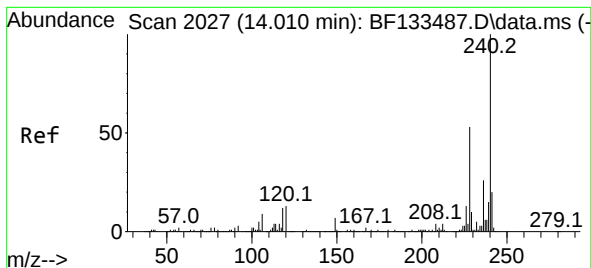
Tgt Ion:248 Resp: 19339
Ion Ratio Lower Upper
248 100
250 184.2 79.7 119.5#
141 476.4 66.6 100.0#



#75
Fluoranthene
Concen: 2.686 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF133635.D
Acq: 08 Jun 2023 11:25

Tgt Ion:202 Resp: 83415
Ion Ratio Lower Upper
202 100
101 11.0 0.0 32.2
203 16.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF133635.D

Acq: 08 Jun 2023 11:25

Instrument :

BNA_F

ClientSampleId :

SB28

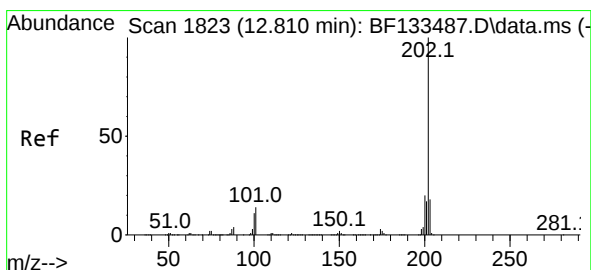
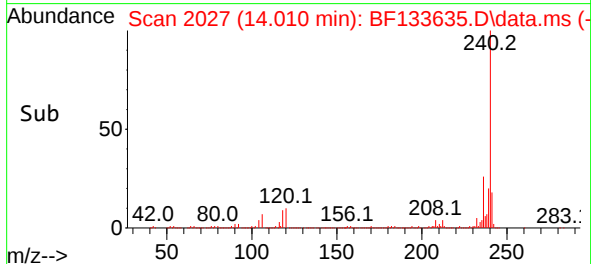
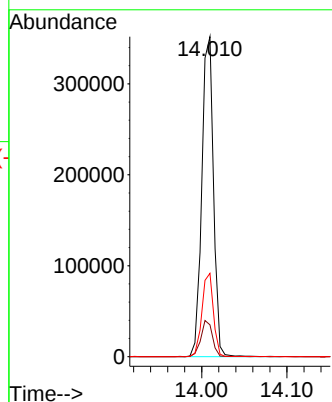
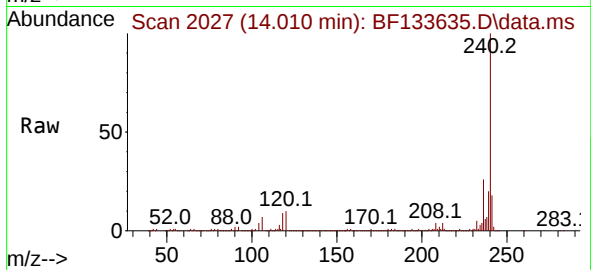
Tgt Ion:240 Resp: 334690

Ion Ratio Lower Upper

240 100

120 9.9 10.3 15.5#

236 26.1 20.5 30.7



#78

Pyrene

Concen: 2.238 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF133635.D

Acq: 08 Jun 2023 11:25

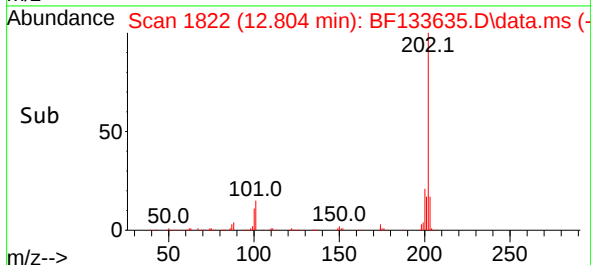
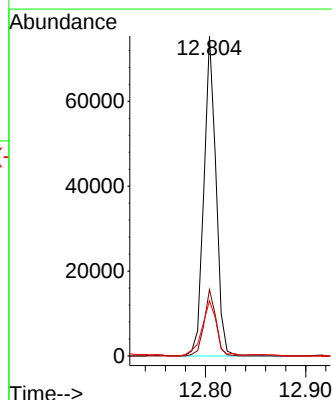
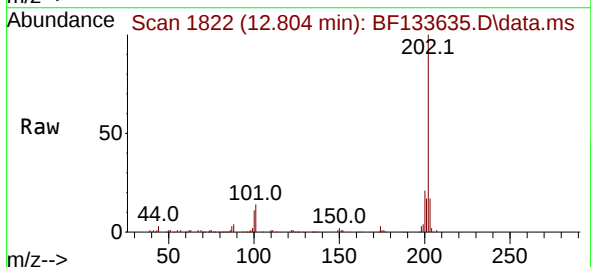
Tgt Ion:202 Resp: 63742

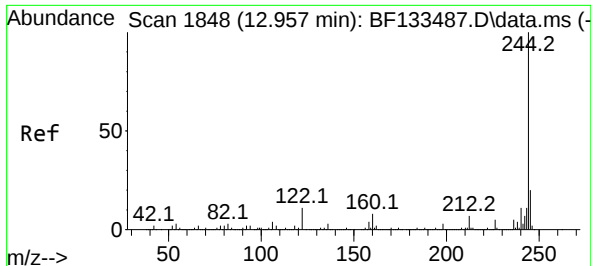
Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

203 17.3 14.3 21.5



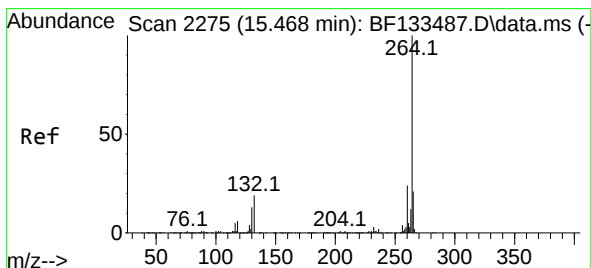
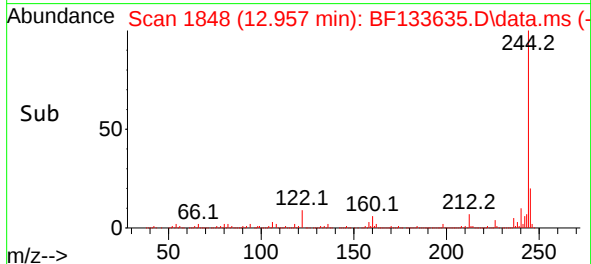
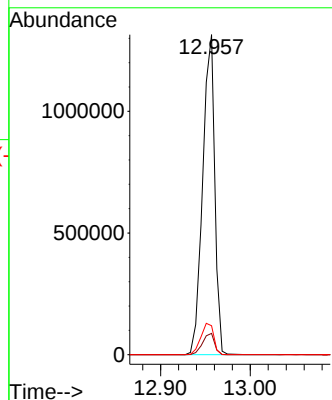
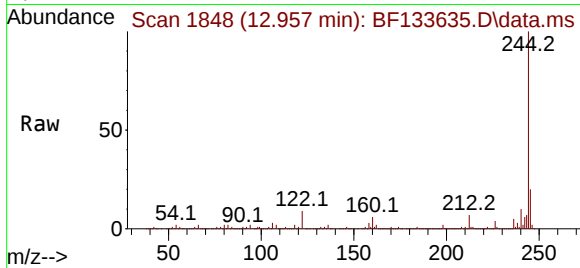


#79
 Terphenyl-d14
 Concen: 65.219 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. 0.000 min
 Lab File: BF133635.D
 Acq: 08 Jun 2023 11:25

Instrument :
 BNA_F
 ClientSampleId :
 SB28

Tgt Ion:244 Resp: 1227699

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	9.0	8.5	12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2276
 Delta R.T. 0.000 min
 Lab File: BF133635.D
 Acq: 08 Jun 2023 11:25

Tgt Ion:264 Resp: 324609

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.4
265	21.8	16.8	25.2

