

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
 Data File : BF133541.D
 Acq On : 31 May 2023 16:12
 Operator : CG\JU
 Sample : 02971-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB12

Quant Time: May 31 17:00:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 30 12:58:40 2023
 Response via : Initial Calibration

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

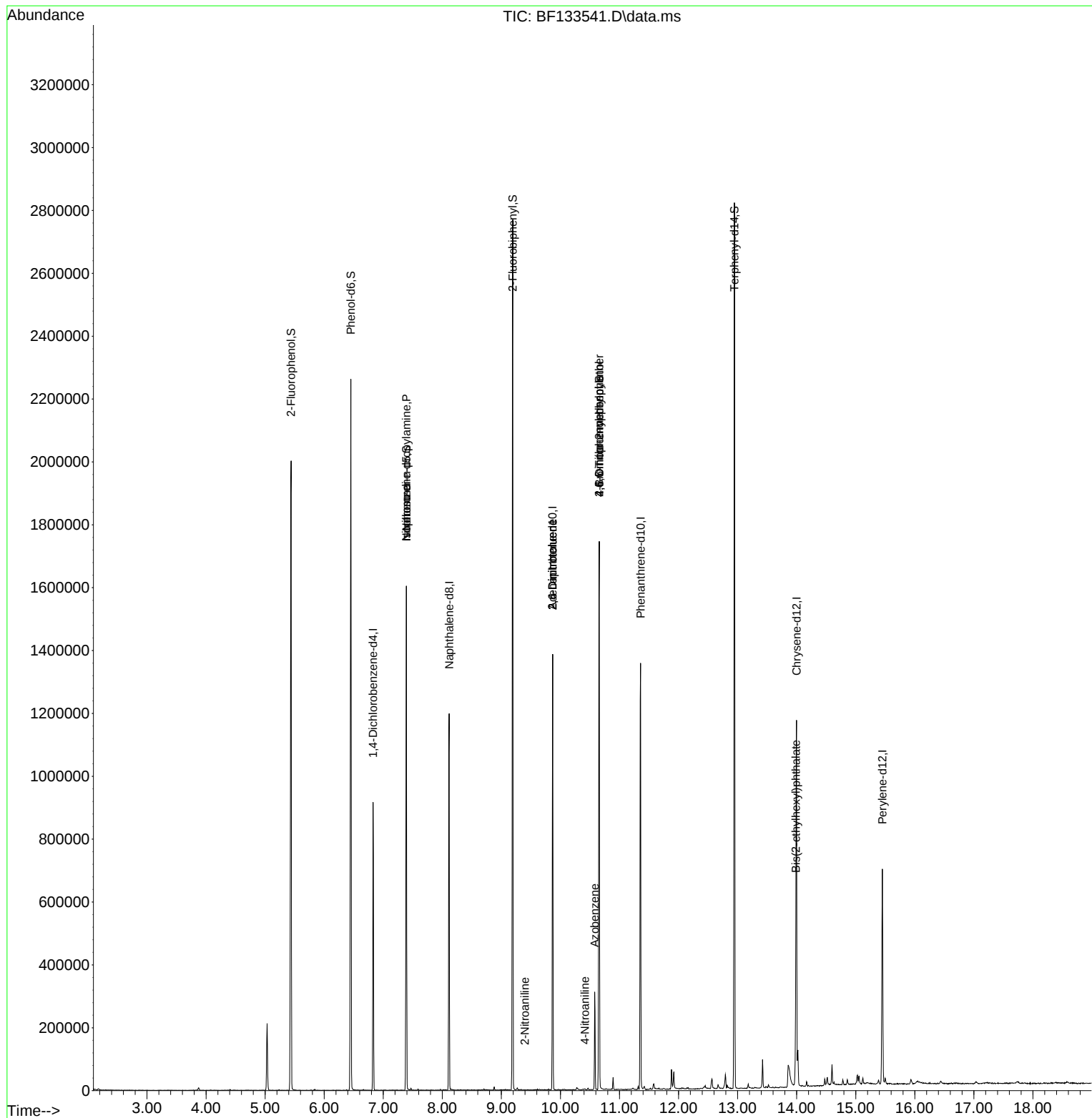
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	126276	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	489553	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	247426	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	494548	20.000	ng	0.00
76) Chrysene-d12	13.998	240	363783	20.000	ng	0.00
86) Perylene-d12	15.451	264	288652	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	547132	72.292	ng	0.00
7) Phenol-d6	6.451	99	689440	74.000	ng	-0.01
23) Nitrobenzene-d5	7.392	82	414302	56.505	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	202838	82.241	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	788476	49.185	ng	0.00
79) Terphenyl-d14	12.945	244	931775	45.540	ng	0.00
Target Compounds						
9) Benzaldehyde	6.451	77	1047	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propyla...	7.392	70	55397	9.190 ng	#	79
25) Isophorone	7.392	82	413298	24.186 ng	#	65
48) 2-Nitroaniline	9.398	65	244	4.038 ng	#	6
51) 2,6-Dinitrotoluene	9.869	165	31065	12.357 ng	#	18
57) 2,4-Dinitrotoluene	9.869	165	31065	11.567 ng	#	16
62) 4-Nitroaniline	10.416	138	633	3.127 ng	#	75
63) Azobenzene	10.580	77	49921	2.763 ng	#	1
65) 4,6-Dinitro-2-methylph...	10.657	198	465	8.900 ng	#	1
67) 4-Bromophenyl-phenylether	10.657	248	12095	2.303 ng	#	1
84) Bis(2-ethylhexyl)phtha...	13.986	149	37903	2.476 ng		99

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

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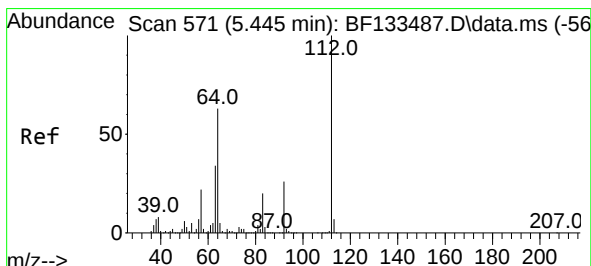
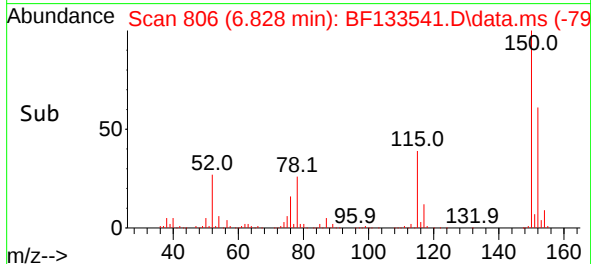
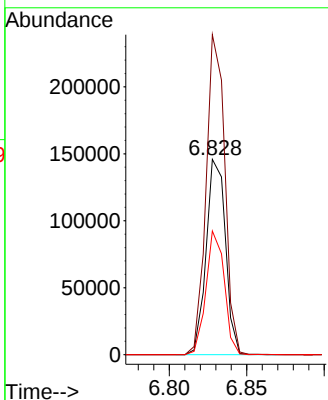
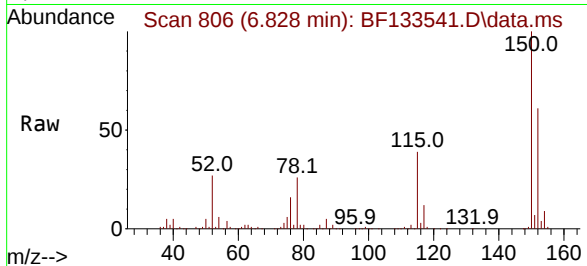




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

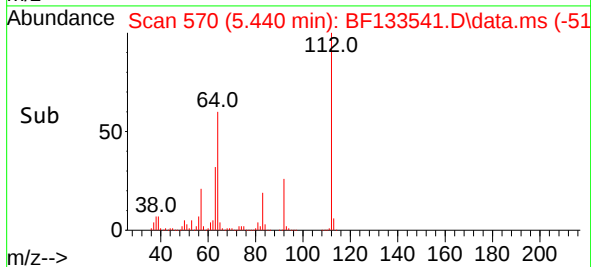
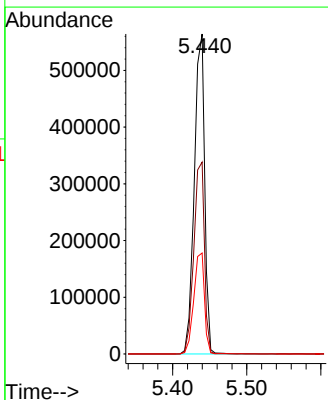
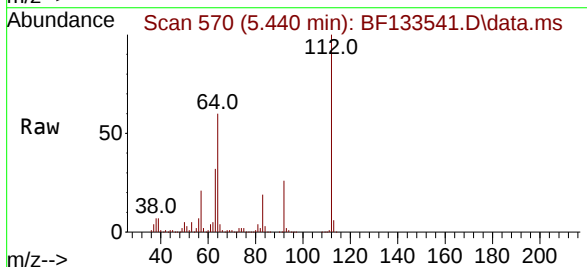
Instrument :
BNA_F
ClientSampleId :
SB12

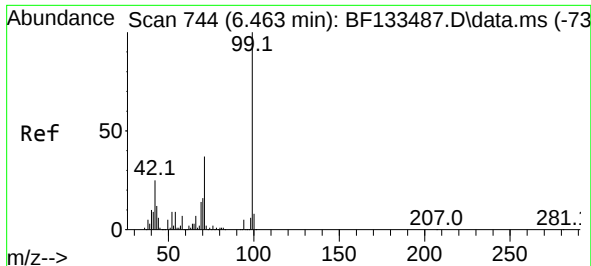
Tgt Ion:152 Resp: 126276
Ion Ratio Lower Upper
152 100
150 163.8 124.9 187.3
115 63.4 48.1 72.1



#5
2-Fluorophenol
Concen: 72.292 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

Tgt Ion:112 Resp: 547132
Ion Ratio Lower Upper
112 100
64 60.0 50.1 75.1
63 31.5 27.5 41.3

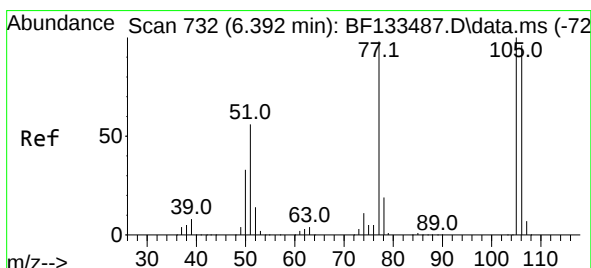
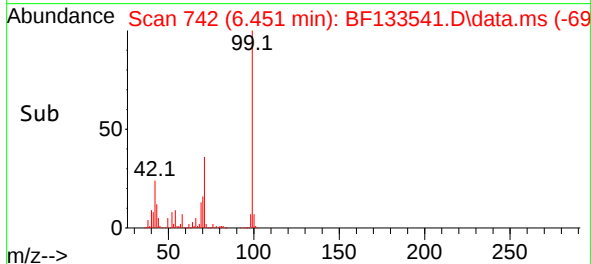
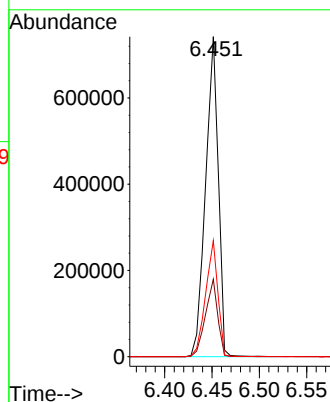
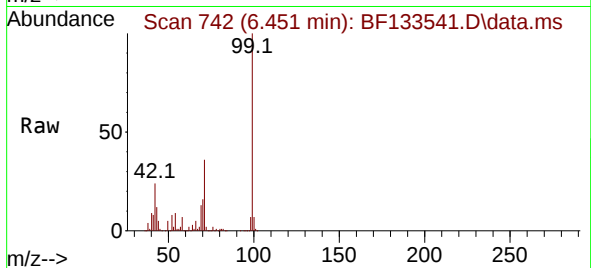




#7
Phenol-d6
Concen: 74.000 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

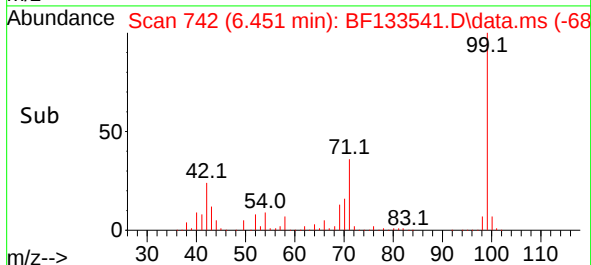
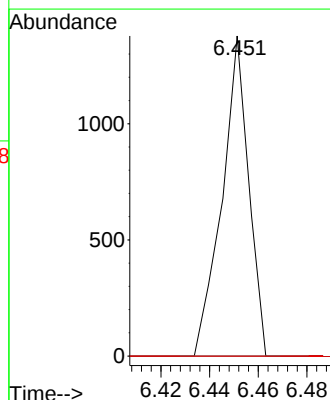
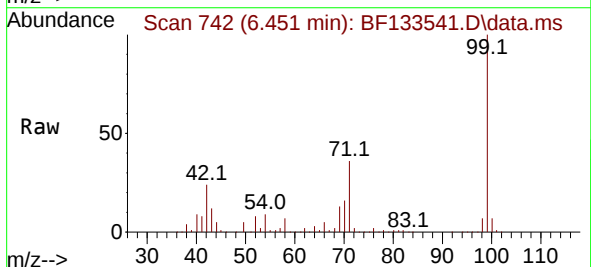
Instrument :
BNA_F
ClientSampleId :
SB12

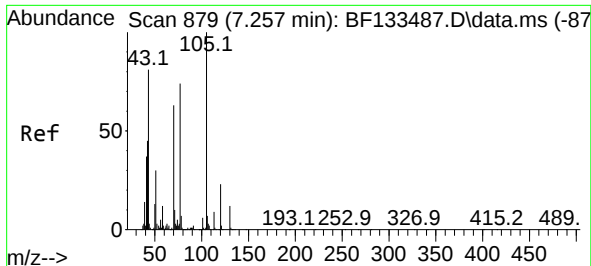
Tgt Ion: 99 Resp: 689440
Ion Ratio Lower Upper
99 100
42 24.2 19.7 29.5
71 36.2 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.451 min Scan# 742
Delta R.T. 0.065 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

Tgt Ion: 77 Resp: 1047
Ion Ratio Lower Upper
77 100
105 0.0 81.9 121.9#
106 0.0 77.8 117.8#

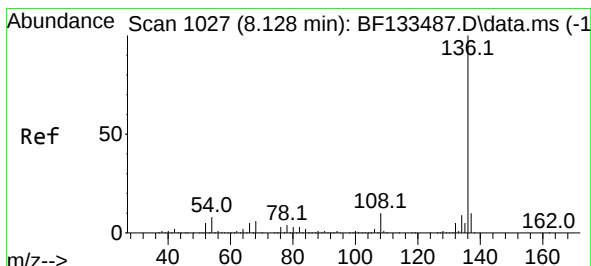
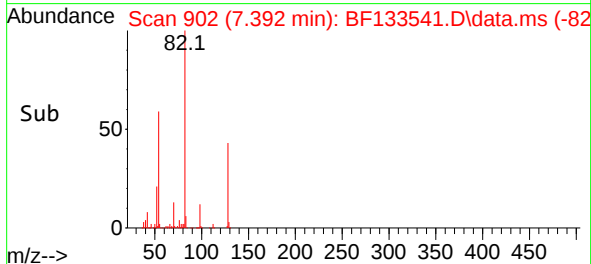
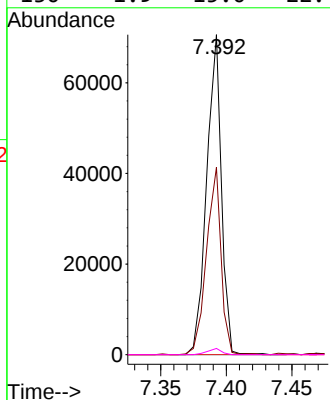
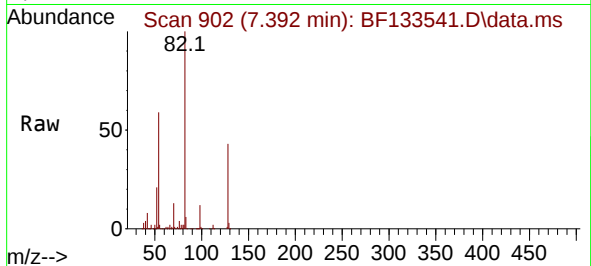




#19
n-Nitroso-di-n-propylamine
Concen: 9.190 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

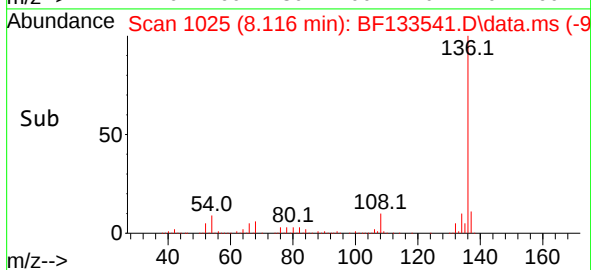
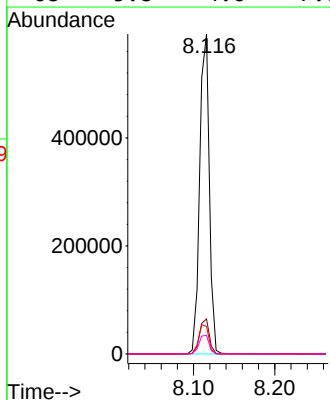
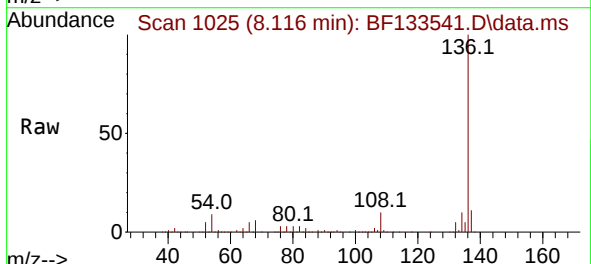
Instrument :
BNA_F
ClientSampleId :
SB12

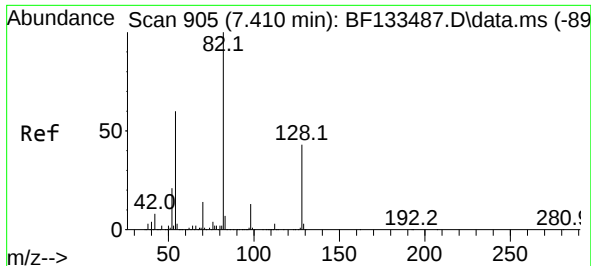
Tgt Ion: 70 Resp: 55397
Ion Ratio Lower Upper
70 100
42 58.6 57.2 85.8
101 0.0 7.3 10.9#
130 1.9 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.000 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

Tgt Ion:136 Resp: 489553
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 8.6 6.6 10.0
68 5.8 4.6 7.0





#23

Nitrobenzene-d5

Concen: 56.505 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133541.D

Acq: 31 May 2023 16:12

Instrument :

BNA_F

ClientSampleId :

SB12

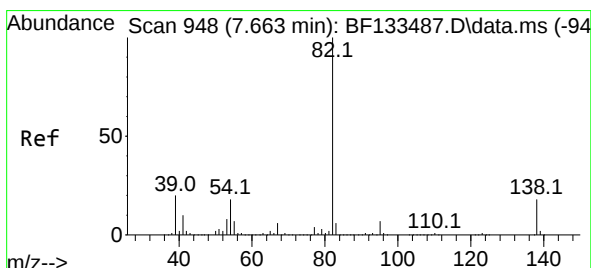
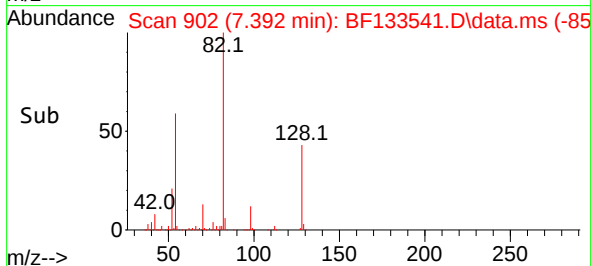
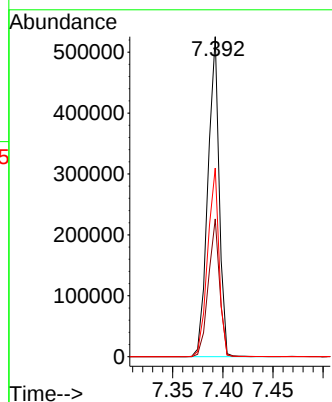
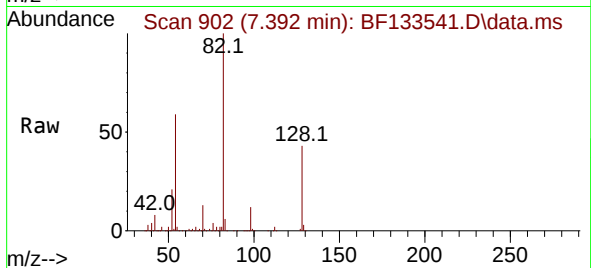
Tgt Ion: 82 Resp: 414302

Ion Ratio Lower Upper

82 100

128 43.0 34.2 51.4

54 59.0 48.2 72.4



#25

Isophorone

Concen: 24.186 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133541.D

Acq: 31 May 2023 16:12

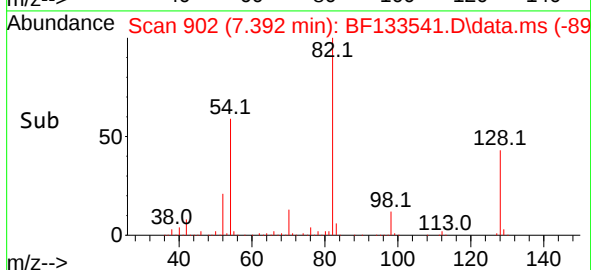
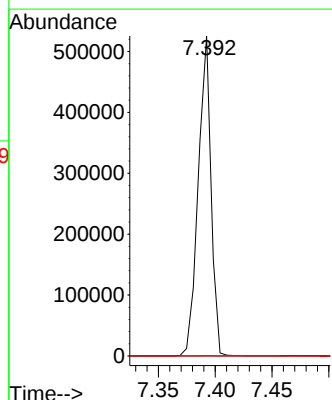
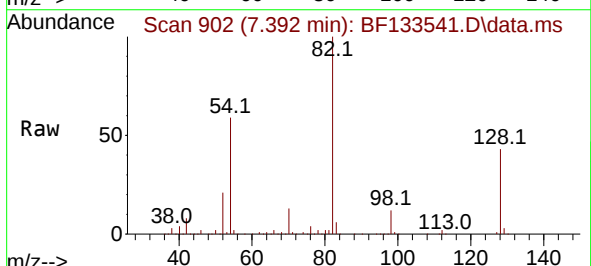
Tgt Ion: 82 Resp: 413298

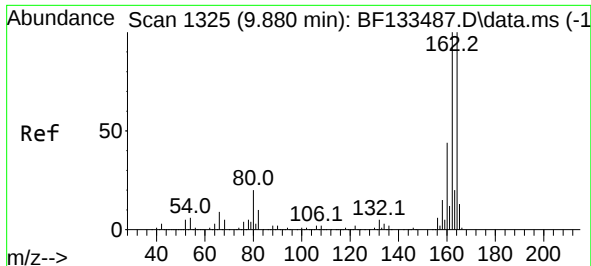
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

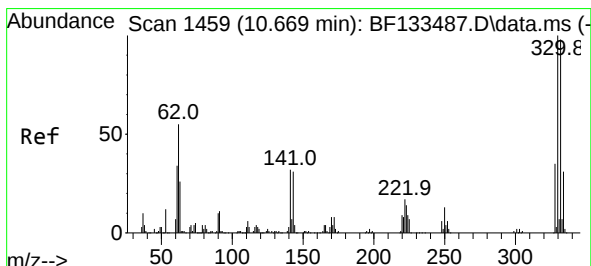
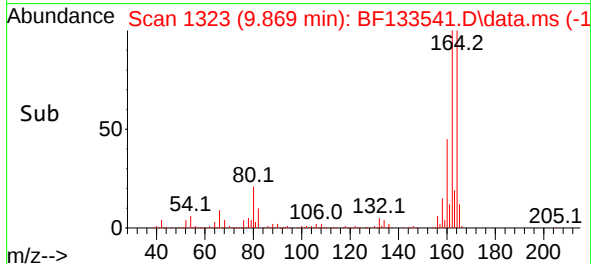
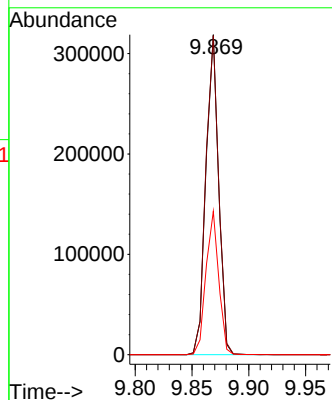
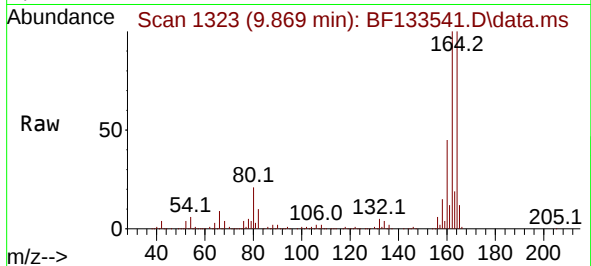




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

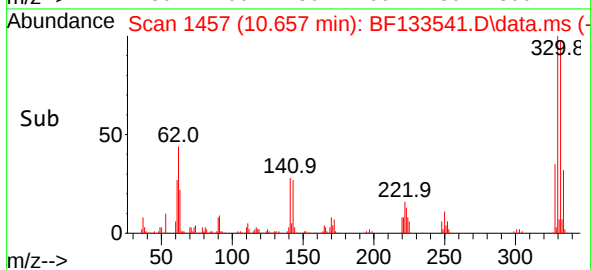
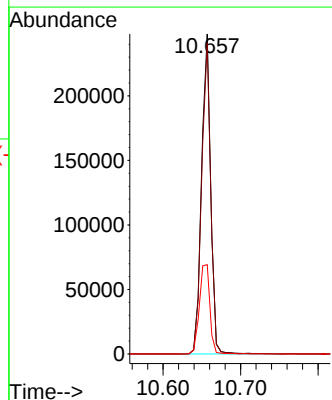
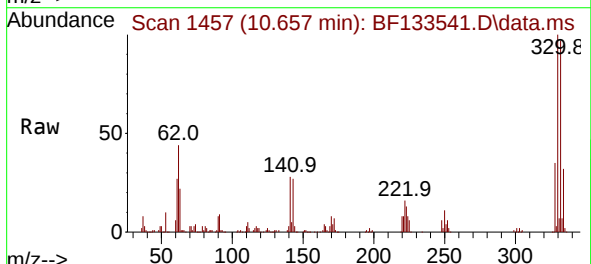
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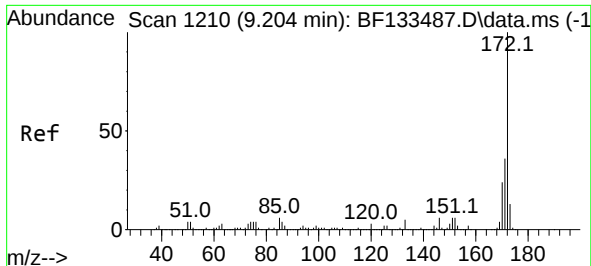
Tgt Ion:164 Resp: 247426
Ion Ratio Lower Upper
164 100
162 99.7 79.7 119.5
160 44.8 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 82.241 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

Tgt Ion:330 Resp: 202838
Ion Ratio Lower Upper
330 100
332 96.4 77.8 116.6
141 32.0 26.6 40.0

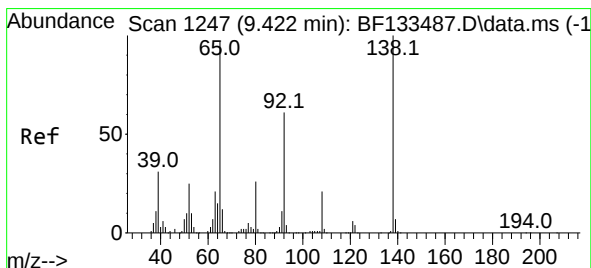
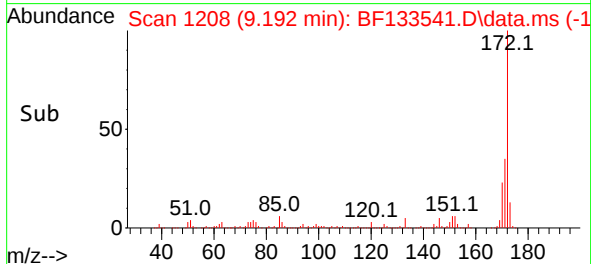
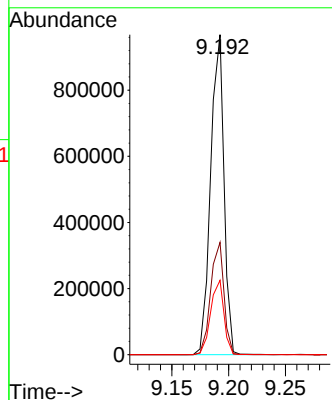
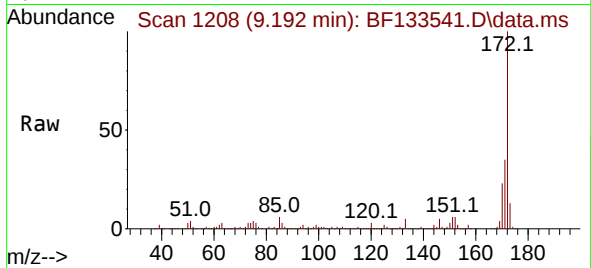




#45
2-Fluorobiphenyl
Concen: 49.185 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

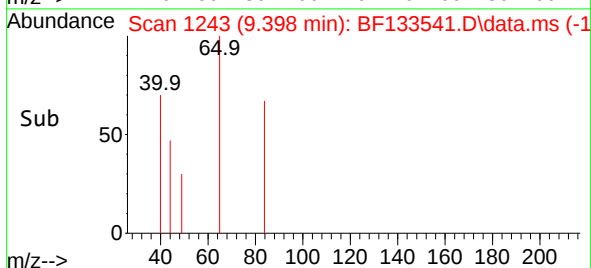
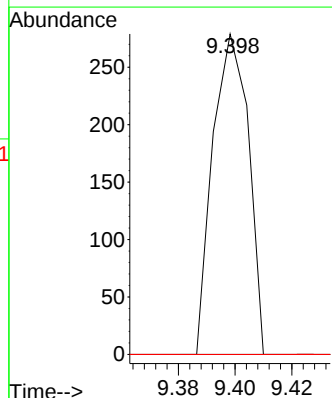
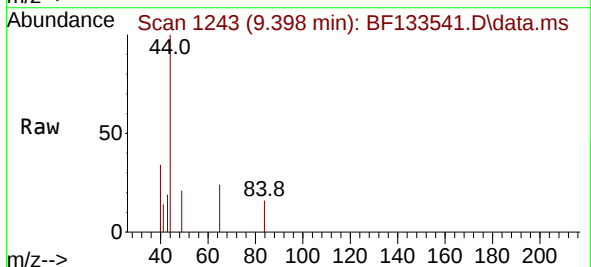
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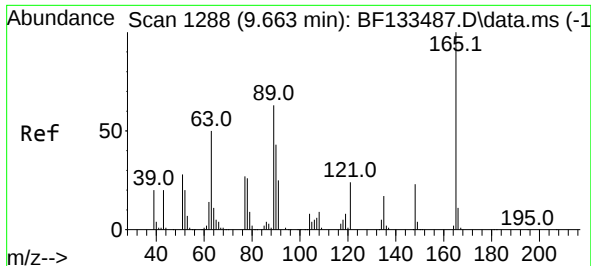
Tgt Ion:172 Resp: 788476
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.3 19.3 28.9



#48
2-Nitroaniline
Concen: 4.038 ng
RT: 9.398 min Scan# 1243
Delta R.T. -0.018 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

Tgt Ion: 65 Resp: 244
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#





#51

2,6-Dinitrotoluene

Concen: 12.357 ng

RT: 9.869 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF133541.D

Acq: 31 May 2023 16:12

Instrument :

BNA_F

ClientSampleId :

SB12

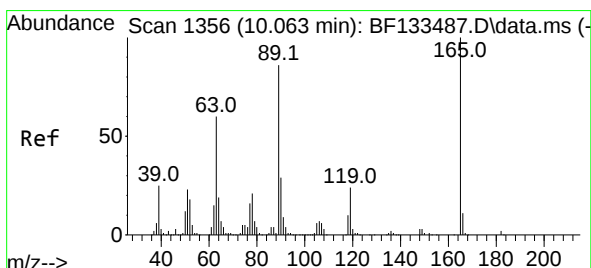
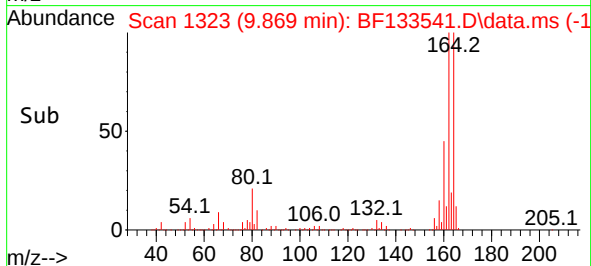
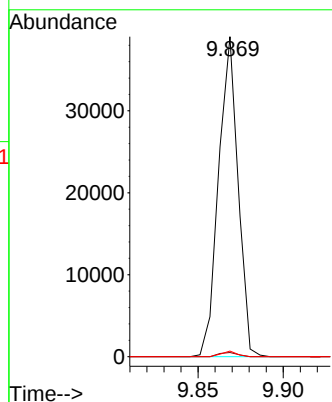
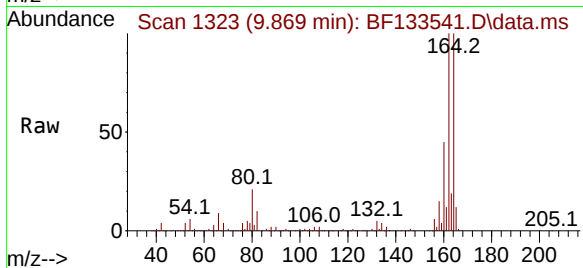
Tgt Ion:165 Resp: 31065

Ion Ratio Lower Upper

165 100

63 1.3 57.0 85.4#

89 1.8 50.8 76.2#



#57

2,4-Dinitrotoluene

Concen: 11.567 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.194 min

Lab File: BF133541.D

Acq: 31 May 2023 16:12

Tgt Ion:165 Resp: 31065

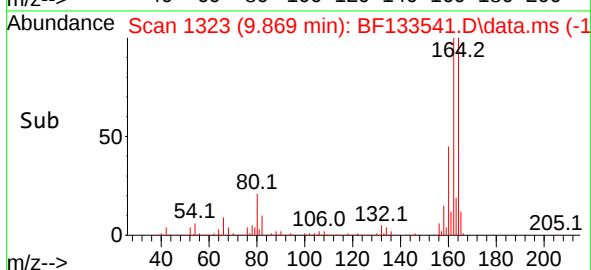
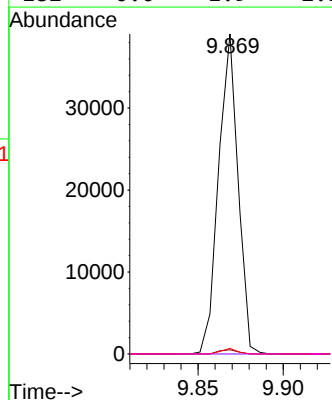
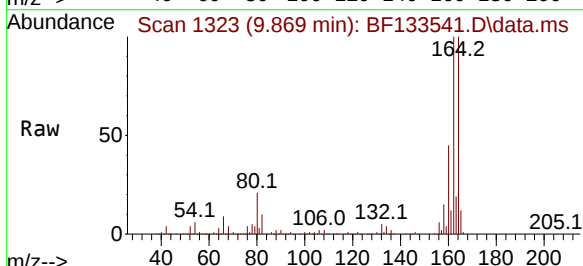
Ion Ratio Lower Upper

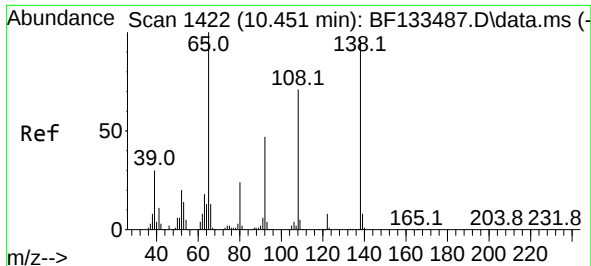
165 100

63 1.3 48.1 72.1#

89 1.8 68.4 102.6#

182 0.0 1.9 2.9#

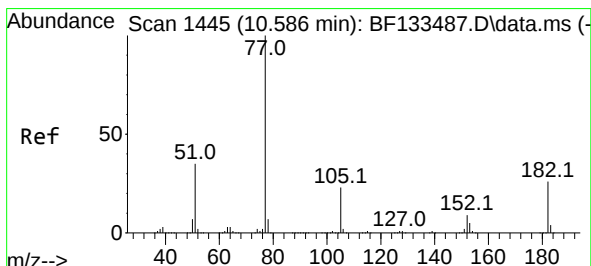
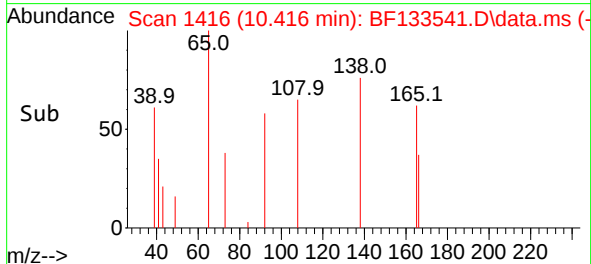
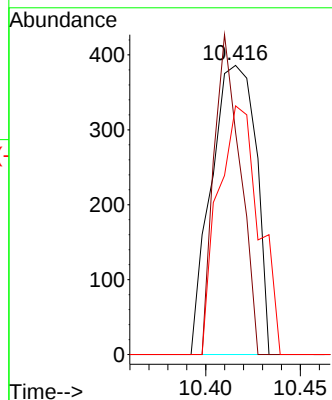
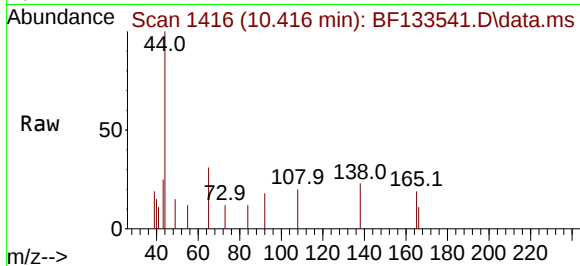




#62
4-Nitroaniline
Concen: 3.127 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.024 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

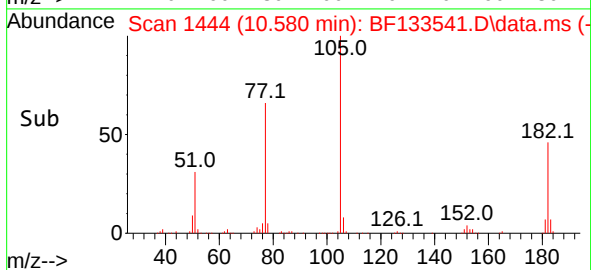
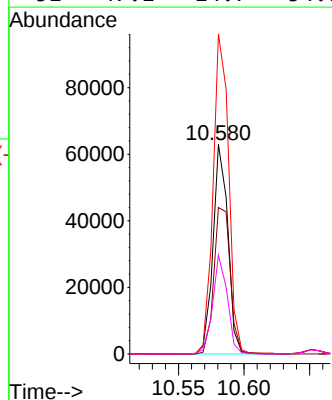
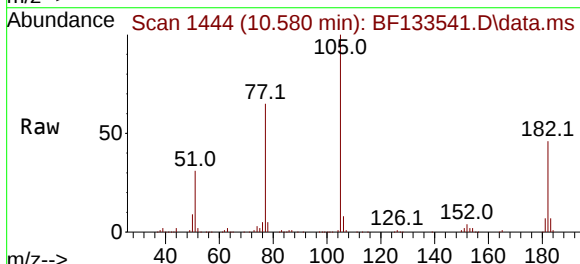
Instrument :
BNA_F
ClientSampleId :
SB12

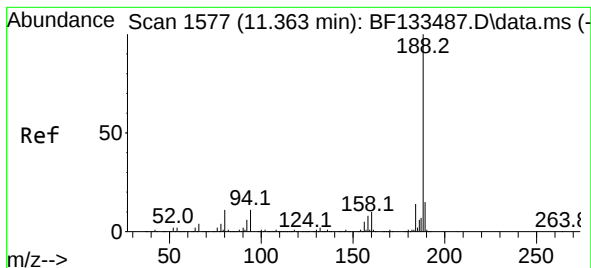
Tgt Ion:138 Resp: 633
Ion Ratio Lower Upper
138 100
92 76.9 28.4 68.4#
108 86.0 54.2 94.2



#63
Azobenzene
Concen: 2.763 ng
RT: 10.580 min Scan# 1444
Delta R.T. 0.006 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

Tgt Ion: 77 Resp: 49921
Ion Ratio Lower Upper
77 100
182 69.9 5.6 45.6#
105 152.8 2.6 42.6#
51 47.1 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133541.D

Acq: 31 May 2023 16:12

Instrument :

BNA_F

ClientSampleId :

SB12

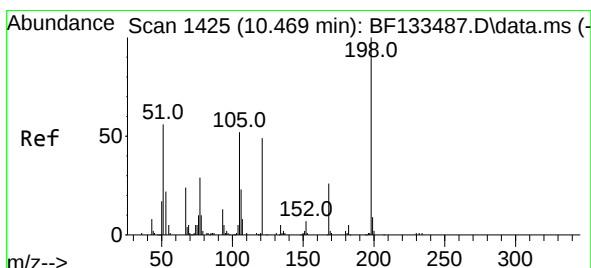
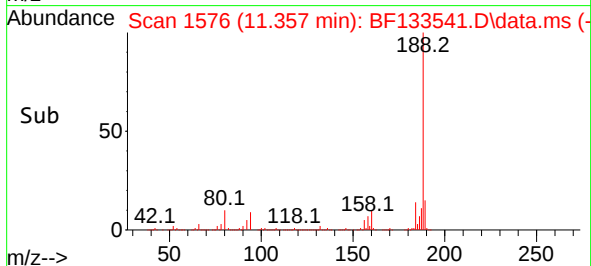
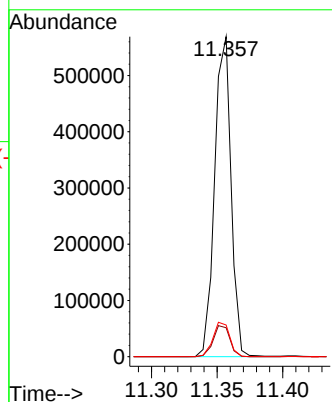
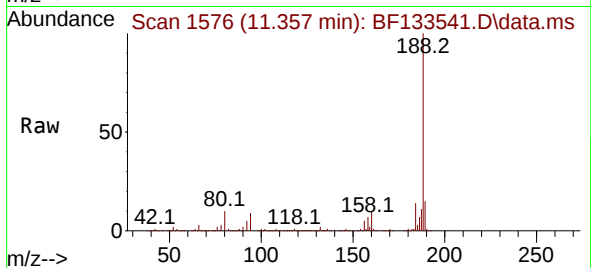
Tgt Ion:188 Resp: 494548

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: 8.900 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133541.D

Acq: 31 May 2023 16:12

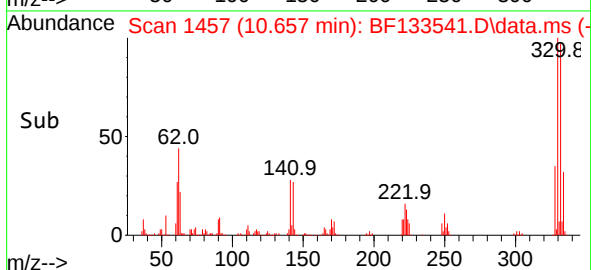
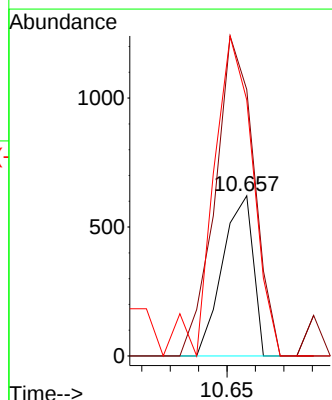
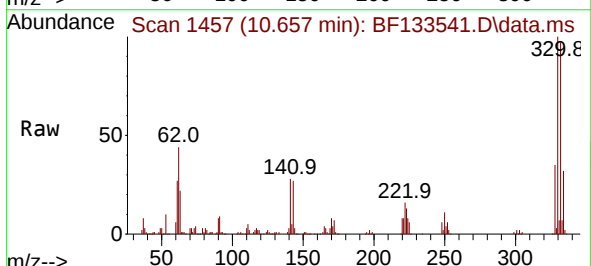
Tgt Ion:198 Resp: 465

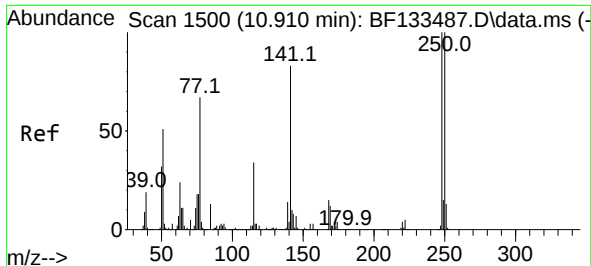
Ion Ratio Lower Upper

198 100

51 166.3 53.6 93.6#

105 159.9 35.9 75.9#

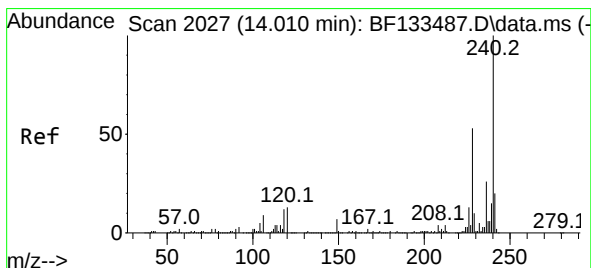
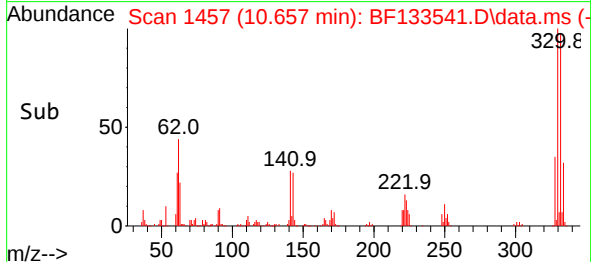
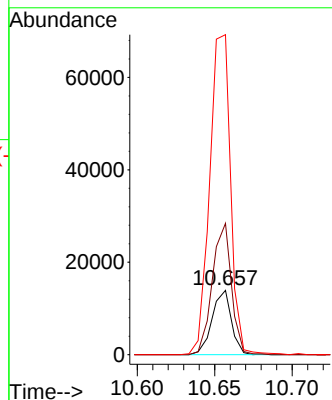
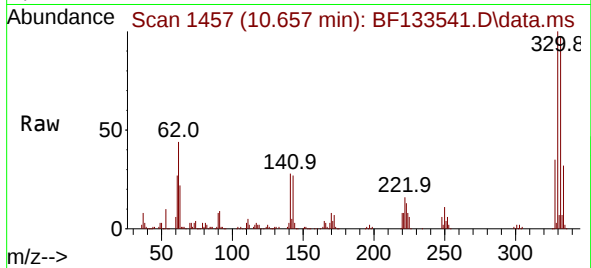




#67
4-Bromophenyl-phenylether
Concen: 2.303 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

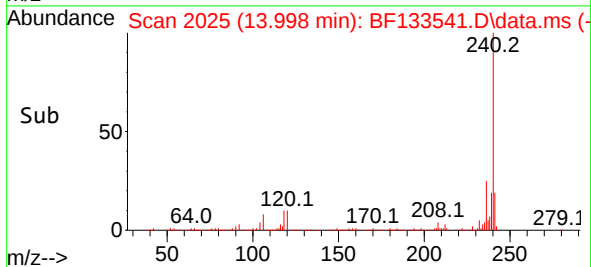
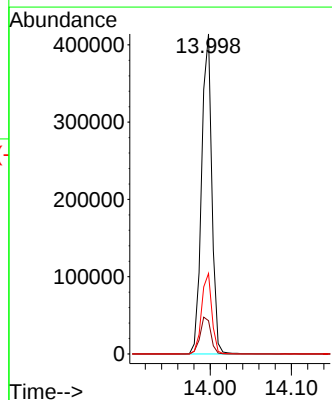
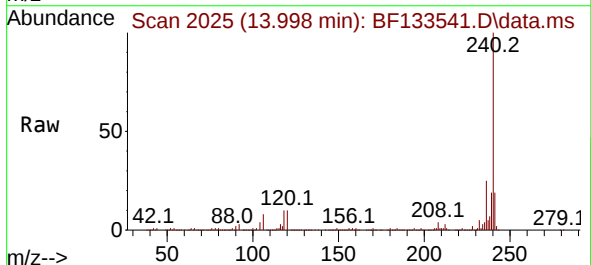
Instrument :
BNA_F
ClientSampleId :
SB12

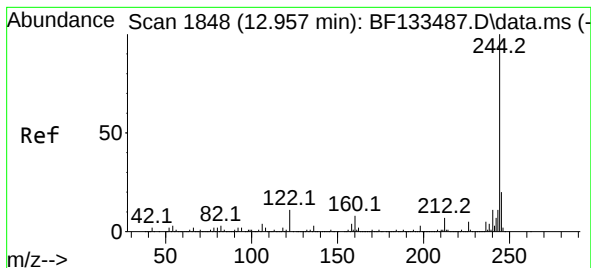
Tgt Ion:248 Resp: 12095
Ion Ratio Lower Upper
248 100
250 204.2 79.7 119.5#
141 497.1 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

Tgt Ion:240 Resp: 363783
Ion Ratio Lower Upper
240 100
120 10.4 10.3 15.5
236 25.2 20.5 30.7





#79

Terphenyl-d14

Concen: 45.540 ng

RT: 12.945 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133541.D

Acq: 31 May 2023 16:12

Instrument :

BNA_F

ClientSampleId :

SB12

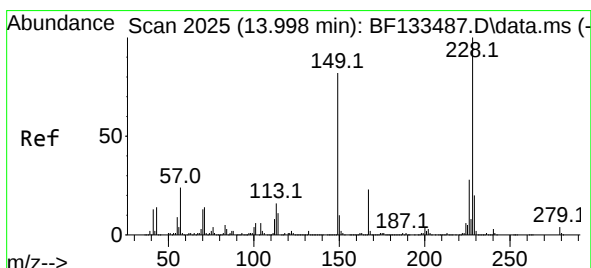
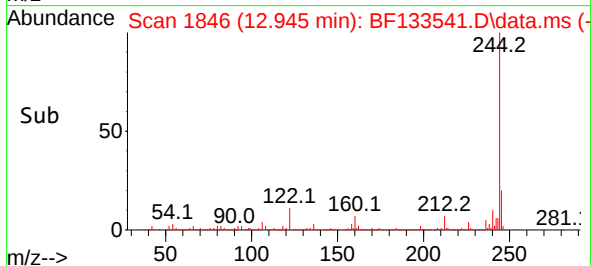
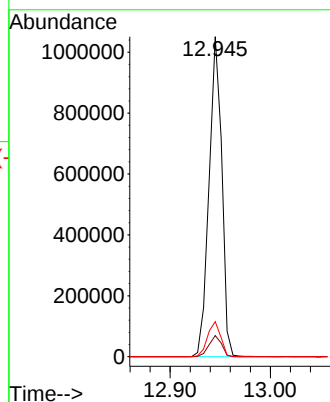
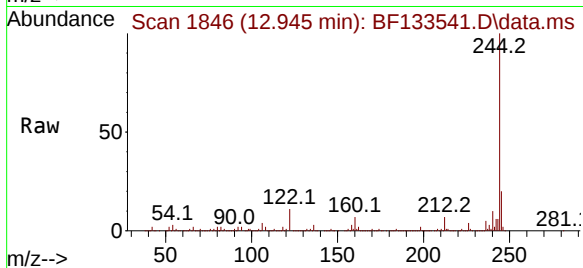
Tgt Ion:244 Resp: 931775

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.6

122 11.0 8.5 12.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.476 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.000 min

Lab File: BF133541.D

Acq: 31 May 2023 16:12

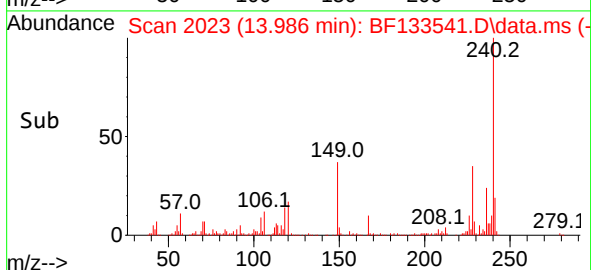
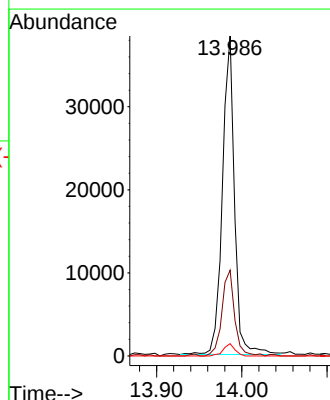
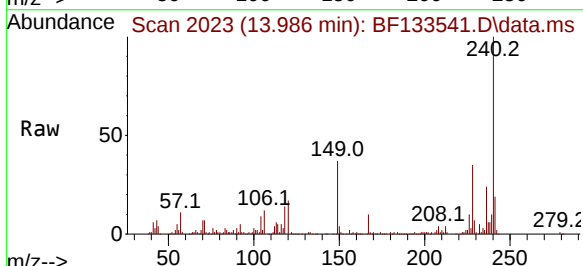
Tgt Ion:149 Resp: 37903

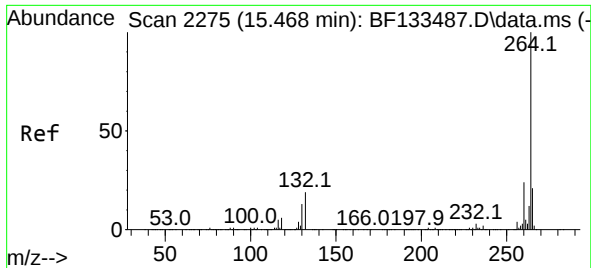
Ion Ratio Lower Upper

149 100

167 26.8 22.0 33.0

279 3.9 3.6 5.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133541.D
Acq: 31 May 2023 16:12

Instrument :
BNA_F
ClientSampleId :
SB12

Tgt Ion:264 Resp: 288652
Ion Ratio Lower Upper
264 100
260 22.5 19.0 28.4
265 21.0 16.8 25.2

