

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053023\
 Data File : BF133524.D
 Acq On : 30 May 2023 16:17
 Operator : CG\JU
 Sample : 02957-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-0A

Quant Time: May 30 17:05:45 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)

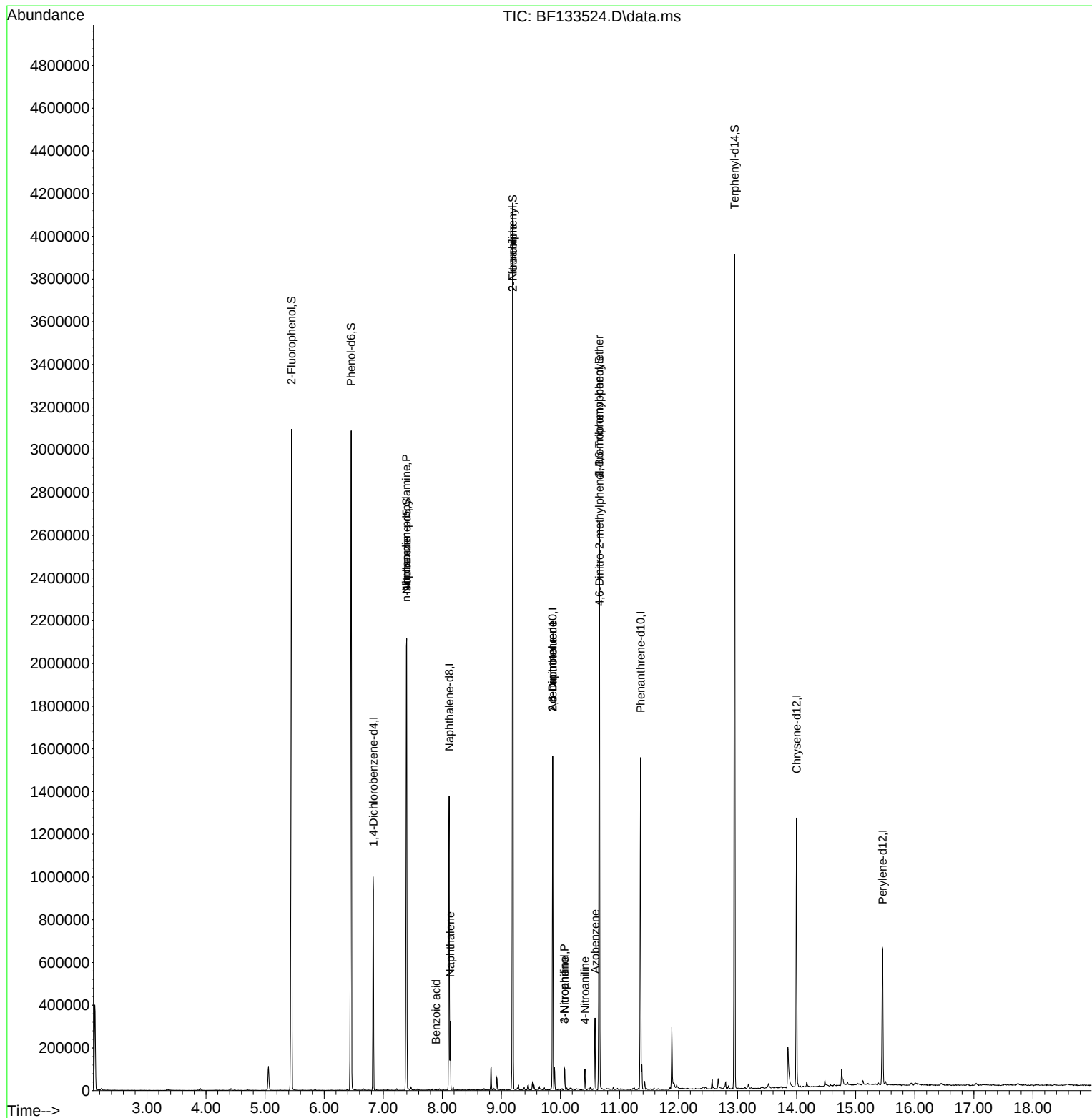
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	144677	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	554644	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	269362	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	531859	20.000	ng	0.00
76) Chrysene-d12	13.998	240	384340	20.000	ng	0.00
86) Perylene-d12	15.457	264	288471	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	912474	105.229	ng	0.00
7) Phenol-d6	6.457	99	1121298	105.045	ng	0.00
23) Nitrobenzene-d5	7.398	82	689992	83.062	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	319286	118.913	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1227278	70.323	ng	0.00
79) Terphenyl-d14	12.951	244	1427622	66.043	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.457	77	1922	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.393	70	95170	13.780	ng	# 78
25) Isophorone	7.398	82	688676	35.572	ng	# 65
31) Naphthalene	8.134	128	109371	4.067	ng	# 99
32) Benzoic acid	7.893	122	1195	7.536	ng	# 11
48) 2-Nitroaniline	9.192	65	2191	4.385	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	34420	12.511	ng	# 18
53) 3-Nitroaniline	10.069	138	465	3.276	ng	# 1
56) 4-Nitrophenol	10.069	139	12637	3.901	ng	# 6
57) 2,4-Dinitrotoluene	9.869	165	34420	11.689	ng	# 15
62) 4-Nitroaniline	10.416	138	271	3.041	ng	# 19
63) Azobenzene	10.586	77	52695	2.679	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.663	198	750	8.994	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	19078	3.378	ng	# 1

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

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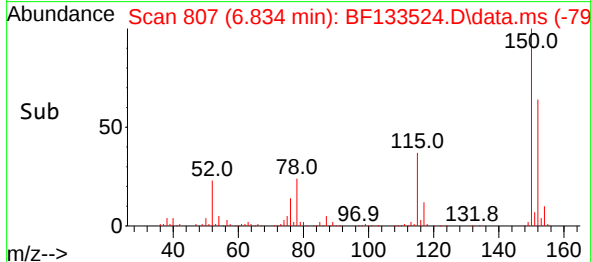
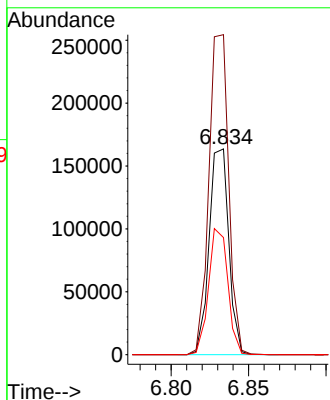
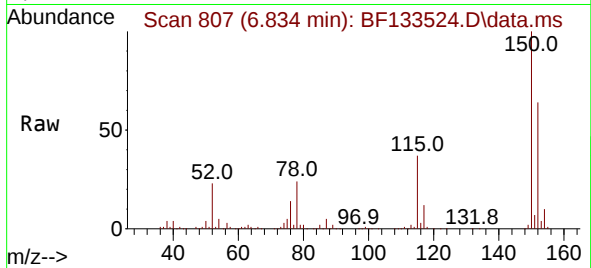




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

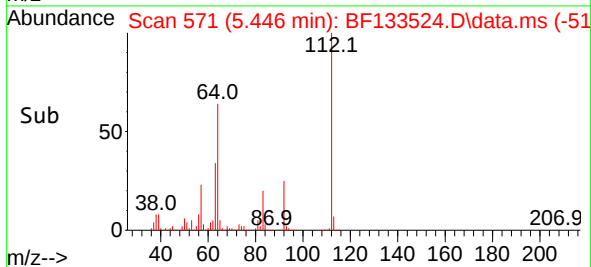
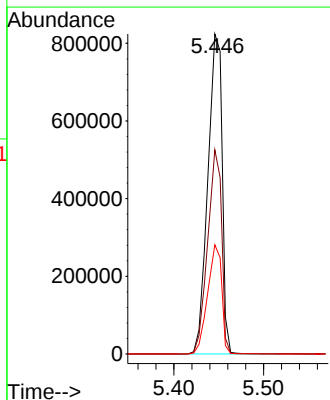
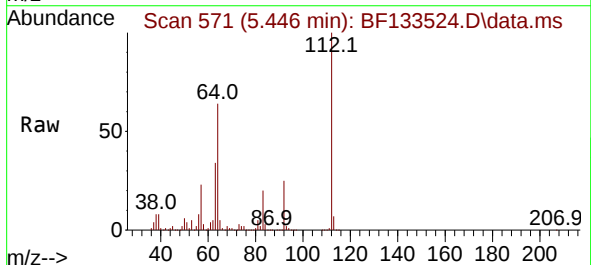
Instrument :
BNA_F
ClientSampleId :
TP-9-0A

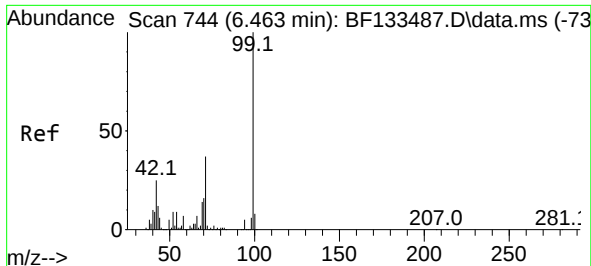
Tgt Ion:152 Resp: 144677
Ion Ratio Lower Upper
152 100
150 155.5 124.9 187.3
115 56.9 48.1 72.1



#5
2-Fluorophenol
Concen: 105.229 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

Tgt Ion:112 Resp: 912474
Ion Ratio Lower Upper
112 100
64 63.8 50.1 75.1
63 34.1 27.5 41.3

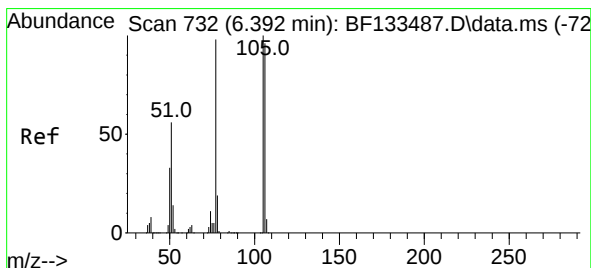
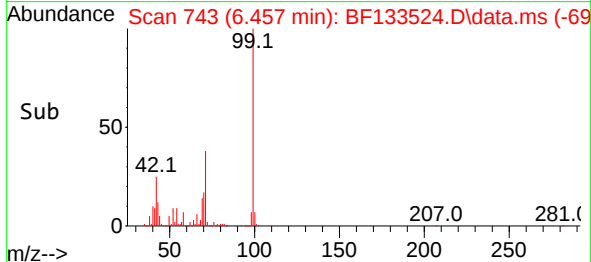
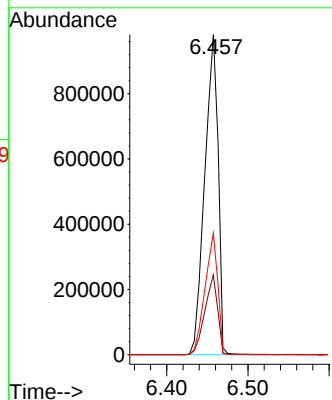
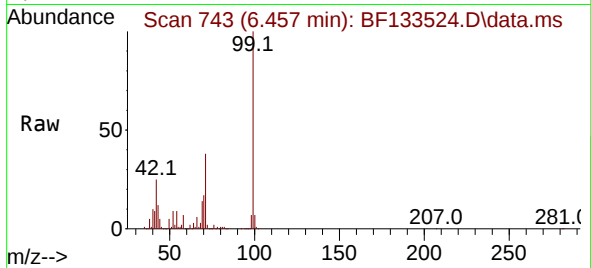




#7
Phenol-d6
Concen: 105.045 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

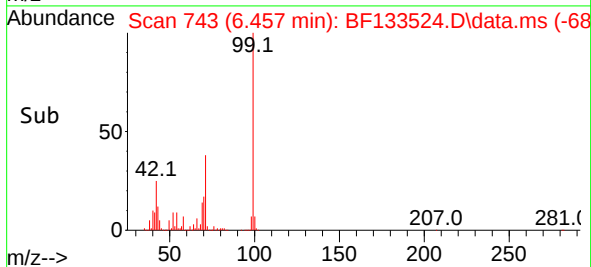
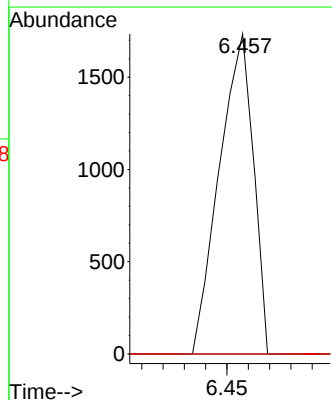
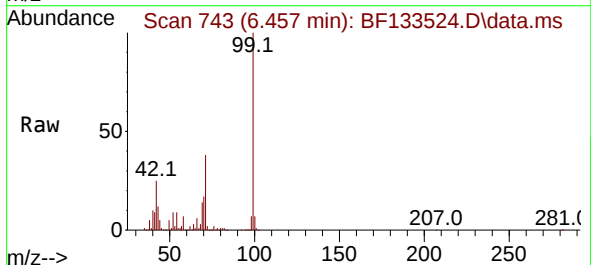
Instrument :
BNA_F
ClientSampleId :
TP-9-0A

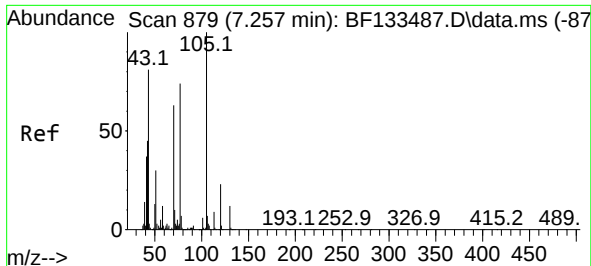
Tgt Ion: 99 Resp: 1121298
Ion Ratio Lower Upper
99 100
42 24.9 19.7 29.5
71 38.0 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.457 min Scan# 743
Delta R.T. 0.071 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

Tgt Ion: 77 Resp: 1922
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: 13.780 ng

RT: 7.393 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF133524.D

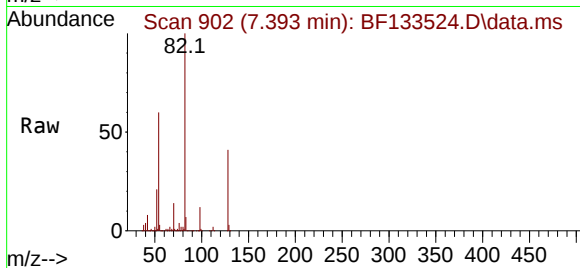
Acq: 30 May 2023 16:17

Instrument :

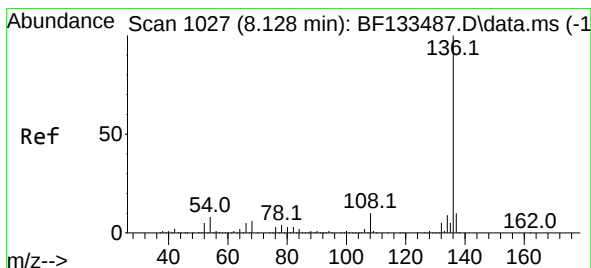
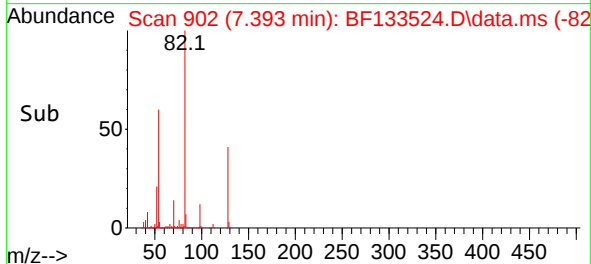
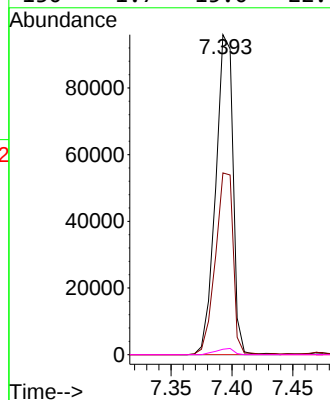
BNA_F

ClientSampleId :

TP-9-0A



Tgt Ion:	70	Resp:	95170
Ion	Ratio	Lower	Upper
70	100		
42	56.8	57.2	85.8#
101	0.0	7.3	10.9#
130	1.7	15.0	22.4#



#21

Naphthalene-d8

Concen: 20.000 ng

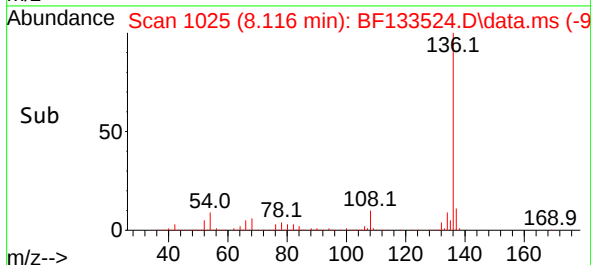
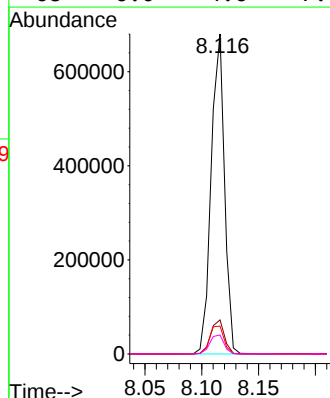
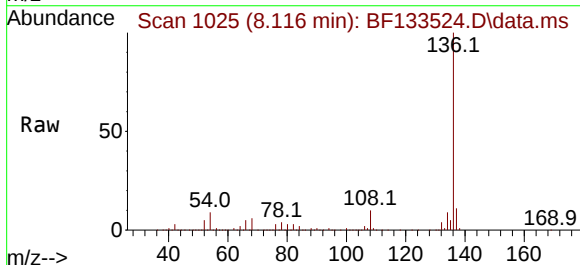
RT: 8.116 min Scan# 1025

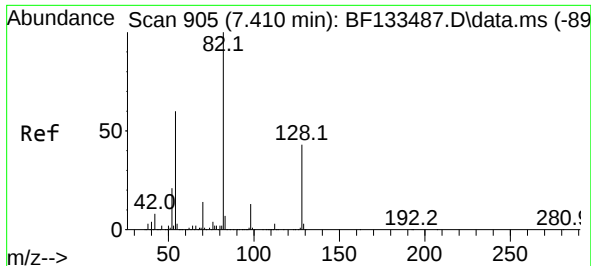
Delta R.T. -0.000 min

Lab File: BF133524.D

Acq: 30 May 2023 16:17

Tgt Ion:	136	Resp:	554644
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	8.7	6.6	10.0
68	6.0	4.6	7.0





#23

Nitrobenzene-d5

Concen: 83.062 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.006 min

Lab File: BF133524.D

Acq: 30 May 2023 16:17

Instrument :

BNA_F

ClientSampleId :

TP-9-0A

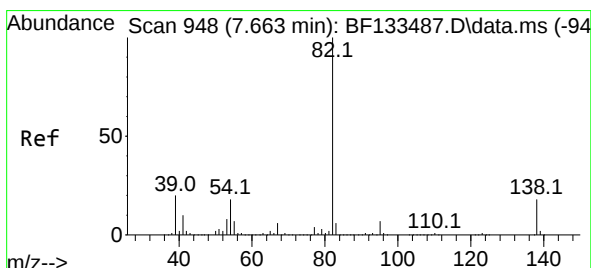
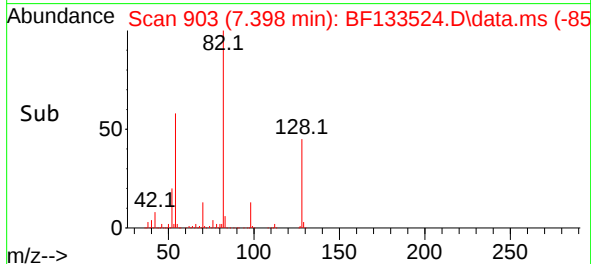
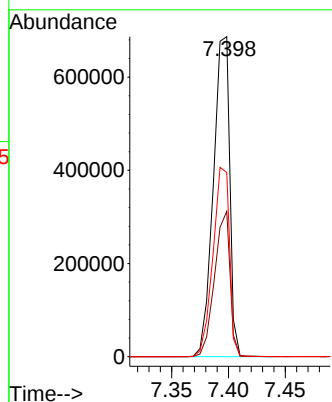
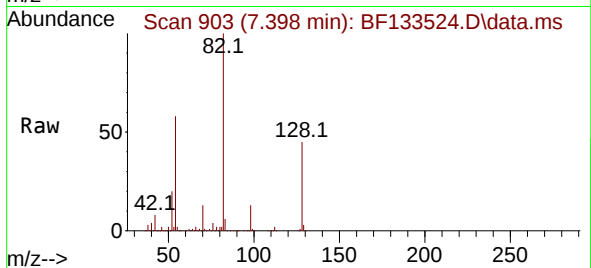
Tgt Ion: 82 Resp: 689992

Ion Ratio Lower Upper

82 100

128 45.4 34.2 51.4

54 57.6 48.2 72.4



#25

Isophorone

Concen: 35.572 ng

RT: 7.398 min Scan# 903

Delta R.T. -0.259 min

Lab File: BF133524.D

Acq: 30 May 2023 16:17

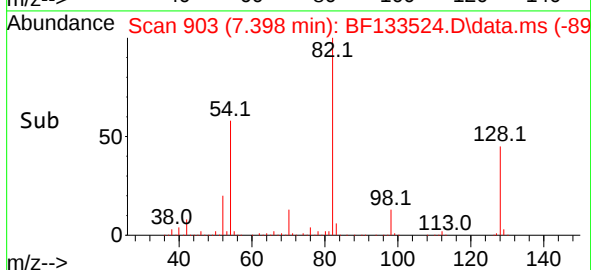
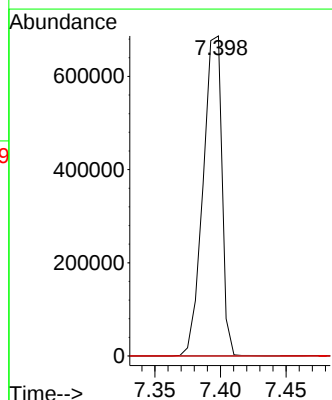
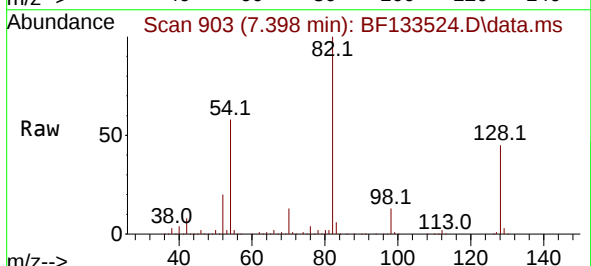
Tgt Ion: 82 Resp: 688676

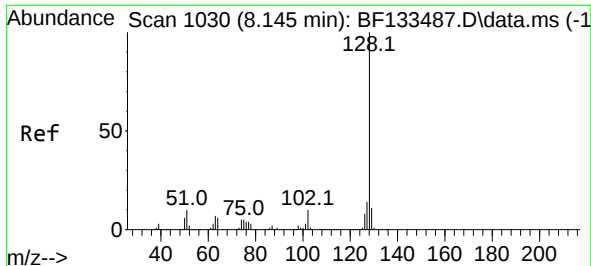
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

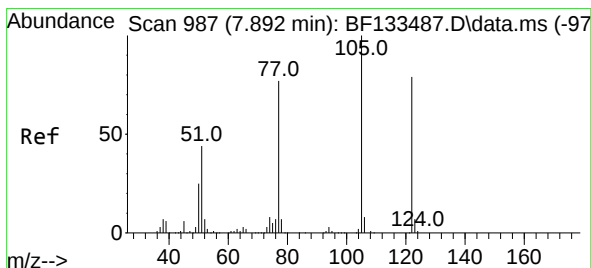
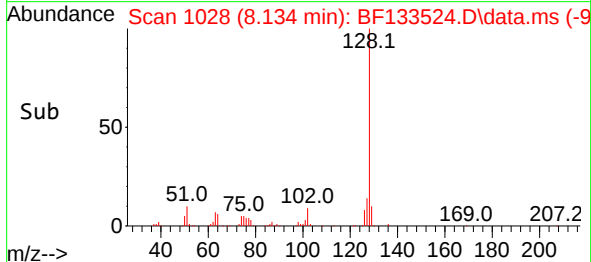
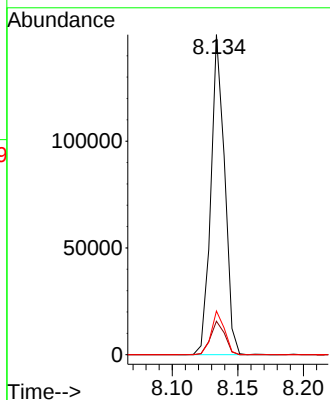
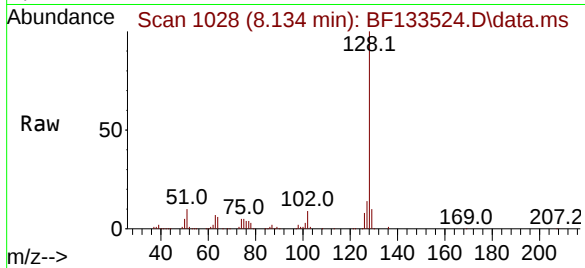




#31
Naphthalene
Concen: 4.067 ng
RT: 8.134 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

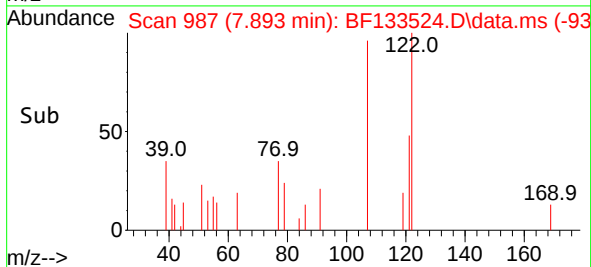
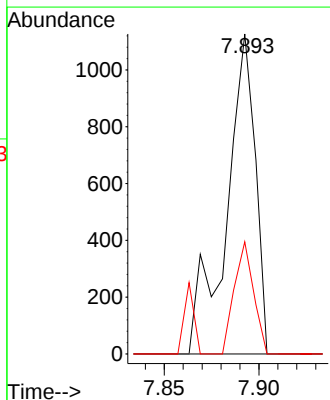
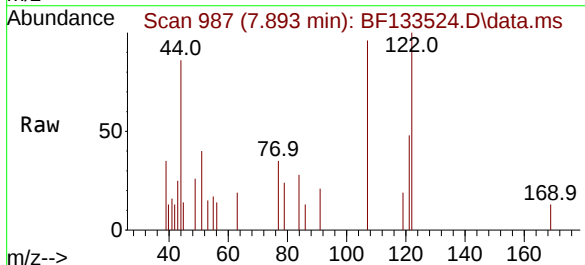
Instrument :
BNA_F
ClientSampleId :
TP-9-0A

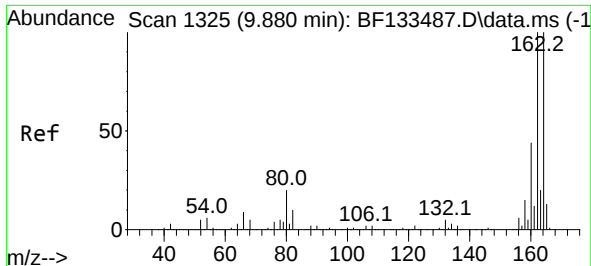
Tgt Ion:128 Resp: 109371
Ion Ratio Lower Upper
128 100
129 10.4 9.2 13.8
127 13.7 10.9 16.3



#32
Benzoic acid
Concen: 7.536 ng
RT: 7.893 min Scan# 987
Delta R.T. 0.012 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

Tgt Ion:122 Resp: 1195
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 35.0 75.7 115.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133524.D

Acq: 30 May 2023 16:17

Instrument :

BNA_F

ClientSampleId :

TP-9-0A

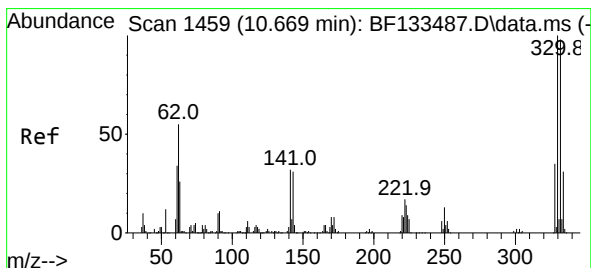
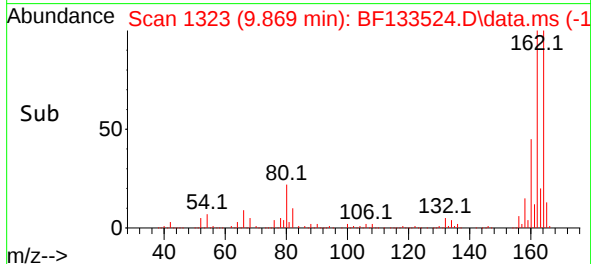
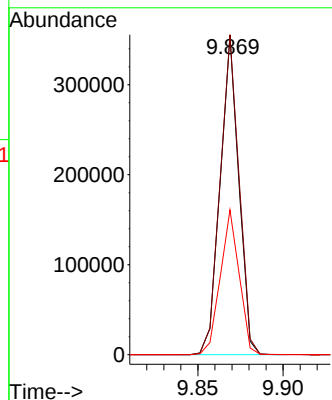
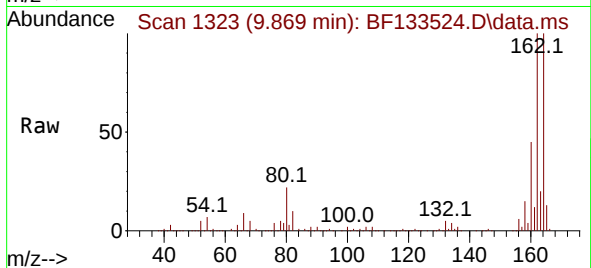
Tgt Ion:164 Resp: 269362

Ion Ratio Lower Upper

164 100

162 100.3 79.7 119.5

160 45.4 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 118.913 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133524.D

Acq: 30 May 2023 16:17

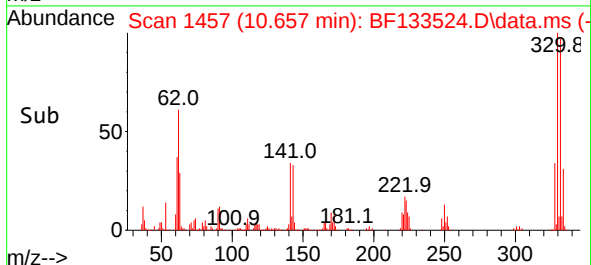
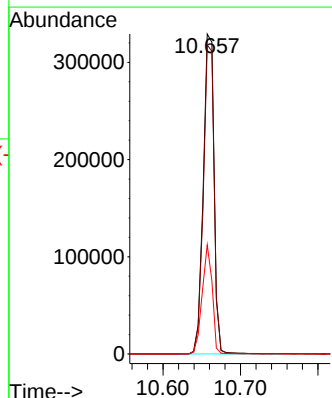
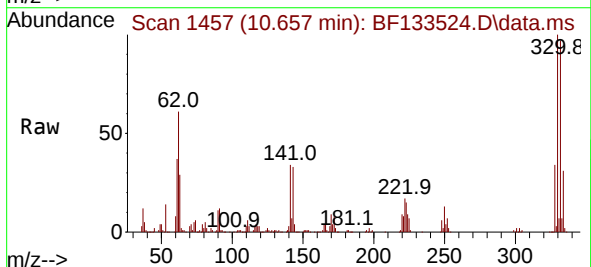
Tgt Ion:330 Resp: 319286

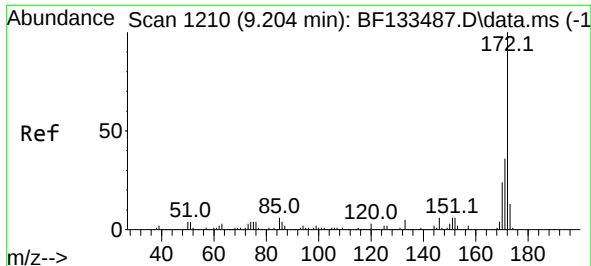
Ion Ratio Lower Upper

330 100

332 95.7 77.8 116.6

141 31.7 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 70.323 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133524.D

Acq: 30 May 2023 16:17

Instrument :

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TP-9-0A

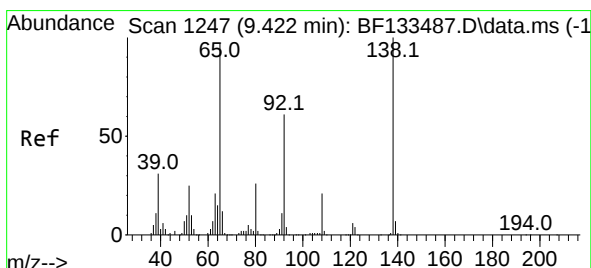
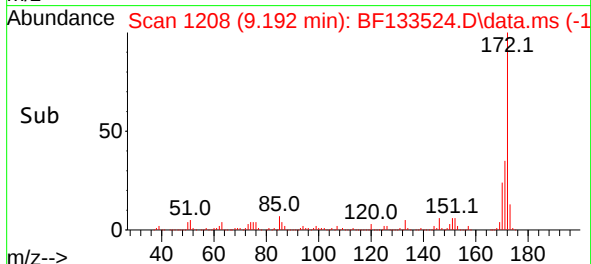
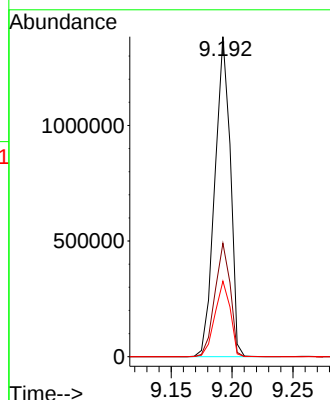
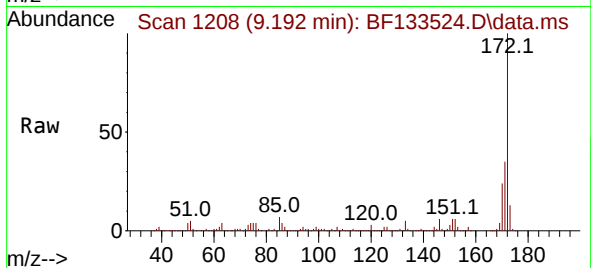
Tgt Ion:172 Resp: 1227278

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.6 19.3 28.9



#48

2-Nitroaniline

Concen: 4.385 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.224 min

Lab File: BF133524.D

Acq: 30 May 2023 16:17

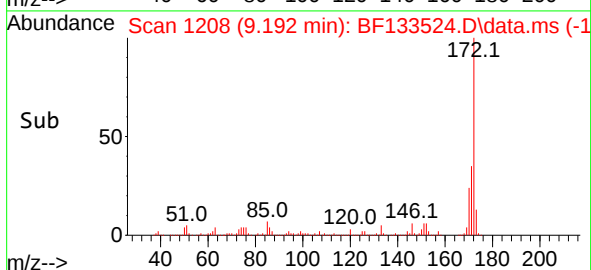
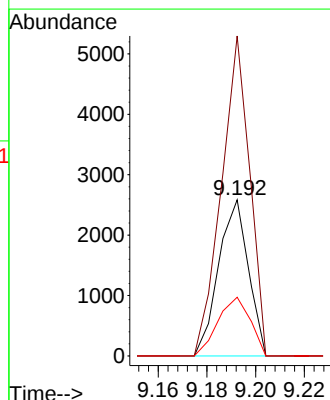
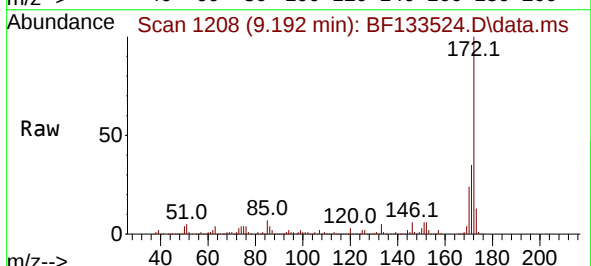
Tgt Ion: 65 Resp: 2191

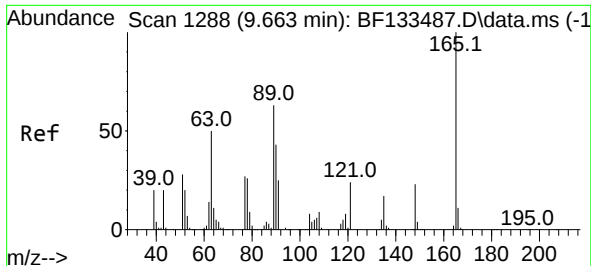
Ion Ratio Lower Upper

65 100

92 204.8 50.8 76.2#

138 37.6 82.6 124.0#

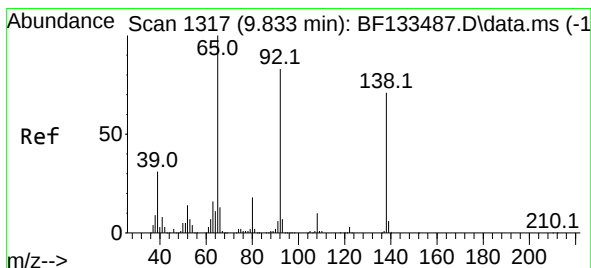
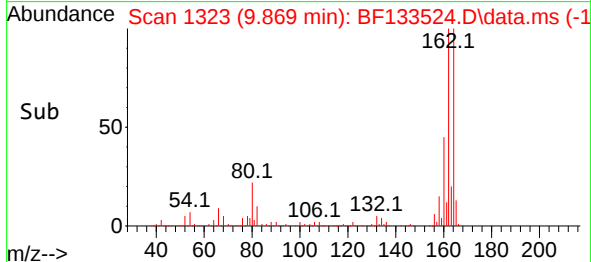
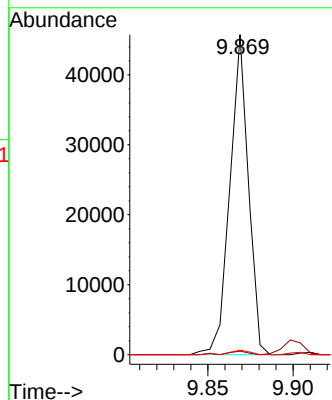
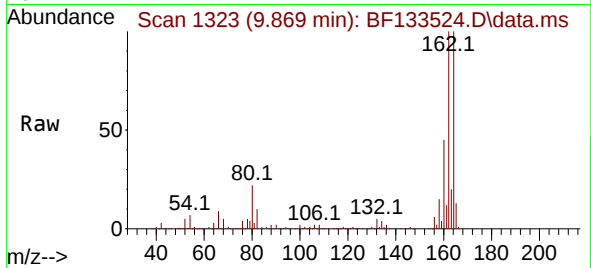




#51
2,6-Dinitrotoluene
Concen: 12.511 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

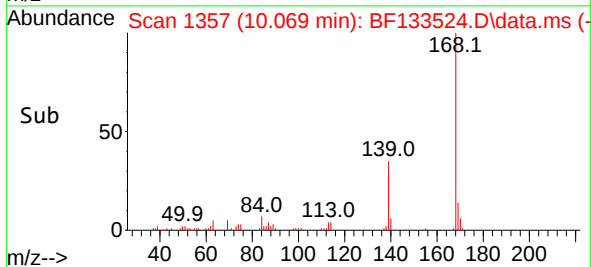
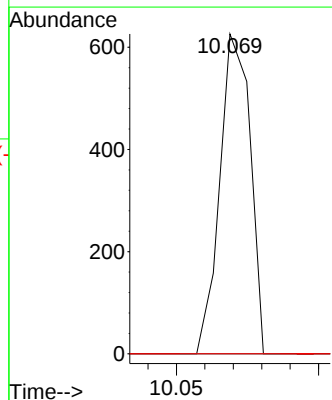
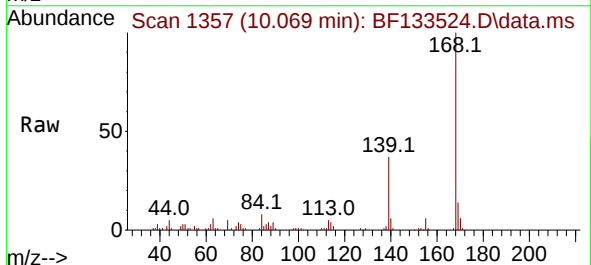
Instrument :
BNA_F
ClientSampleId :
TP-9-0A

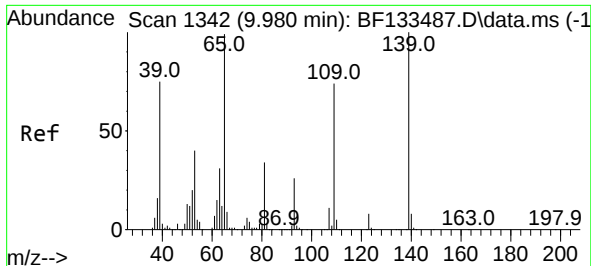
Tgt Ion:165 Resp: 34420
Ion Ratio Lower Upper
165 100
63 1.1 57.0 85.4#
89 1.4 50.8 76.2#



#53
3-Nitroaniline
Concen: 3.276 ng
RT: 10.069 min Scan# 1357
Delta R.T. 0.241 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

Tgt Ion:138 Resp: 465
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#

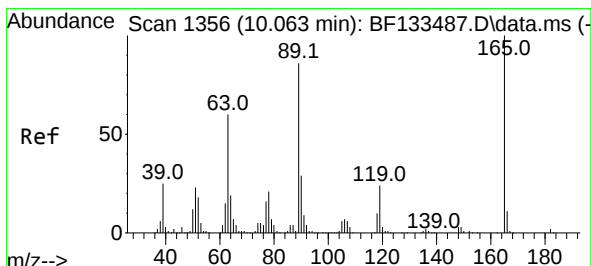
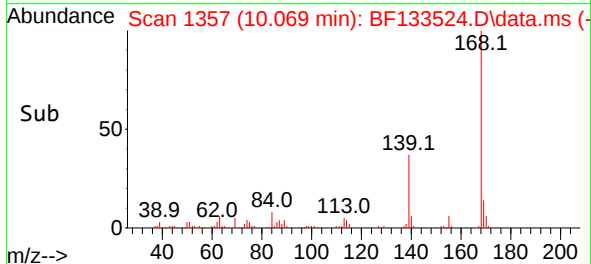
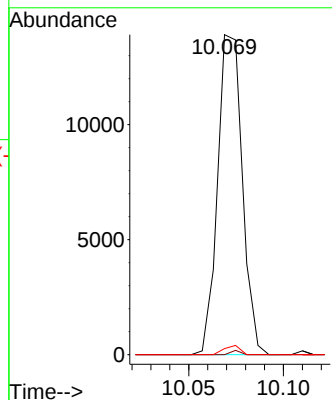
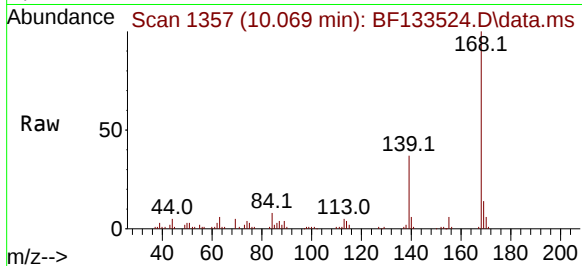




#56
4-Nitrophenol
Concen: 3.901 ng
RT: 10.069 min Scan# 11
Delta R.T. 0.094 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

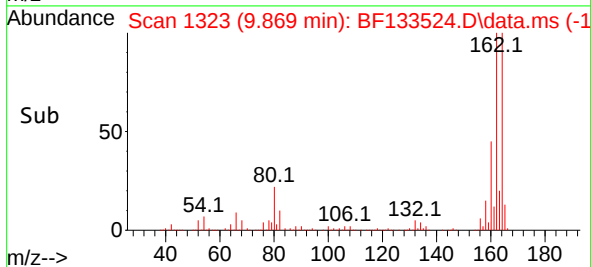
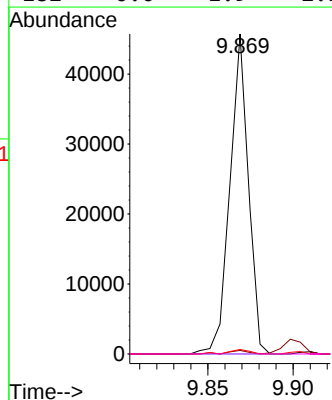
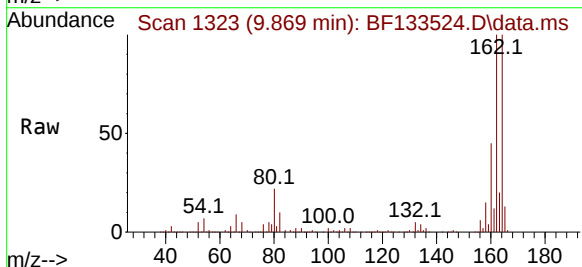
Instrument :
BNA_F
ClientSampleId :
TP-9-0A

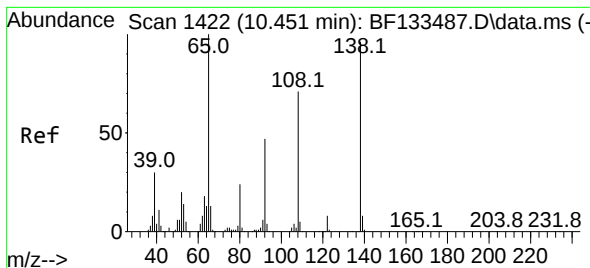
Tgt Ion:139 Resp: 12637
Ion Ratio Lower Upper
139 100
109 0.0 54.5 94.5#
65 1.9 79.5 119.5#



#57
2,4-Dinitrotoluene
Concen: 11.689 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

Tgt Ion:165 Resp: 34420
Ion Ratio Lower Upper
165 100
63 1.1 48.1 72.1#
89 1.4 68.4 102.6#
182 0.0 1.9 2.9#

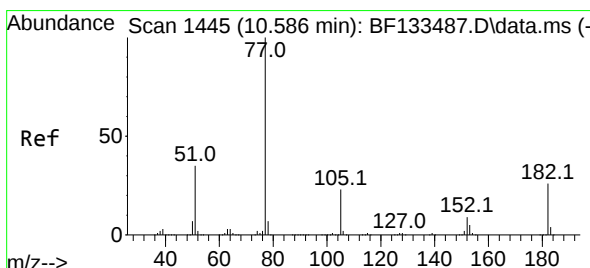
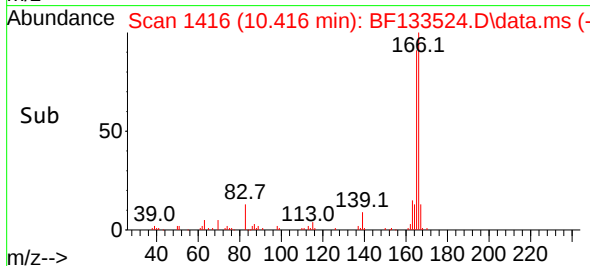
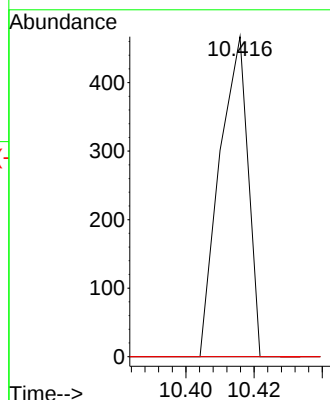
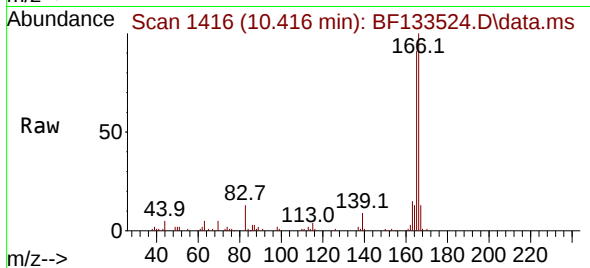




#62
4-Nitroaniline
Concen: 3.041 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.024 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

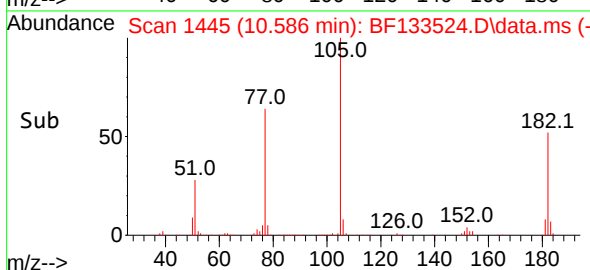
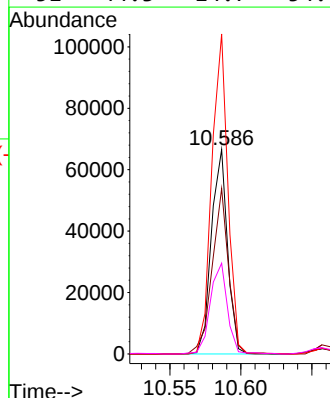
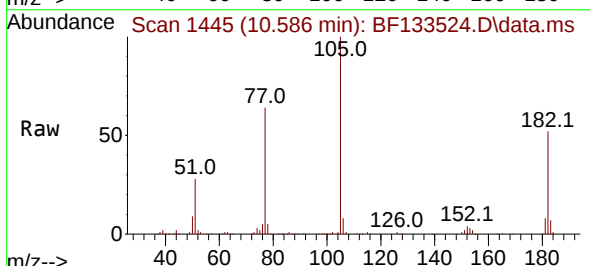
Instrument :
BNA_F
ClientSampleId :
TP-9-0A

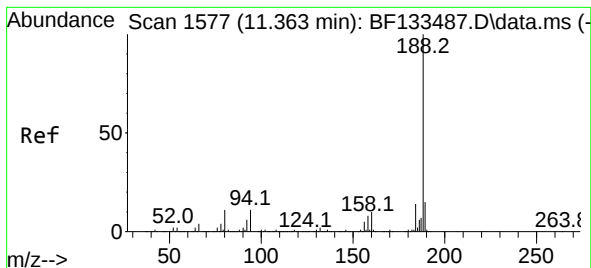
Tgt Ion:138 Resp: 271
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#



#63
Azobenzene
Concen: 2.679 ng
RT: 10.586 min Scan# 1445
Delta R.T. 0.012 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

Tgt Ion: 77 Resp: 52695
Ion Ratio Lower Upper
77 100
182 80.9 5.6 45.6#
105 156.4 2.6 42.6#
51 44.3 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133524.D

Acq: 30 May 2023 16:17

Instrument :

BNA_F

ClientSampleId :

TP-9-0A

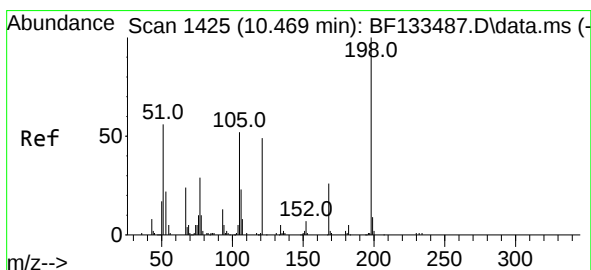
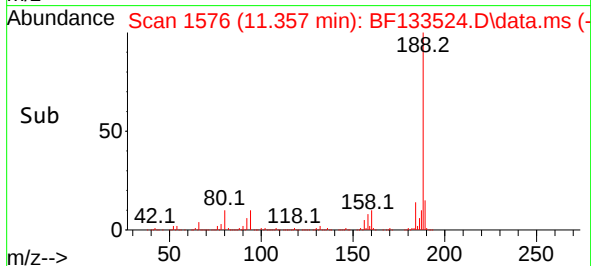
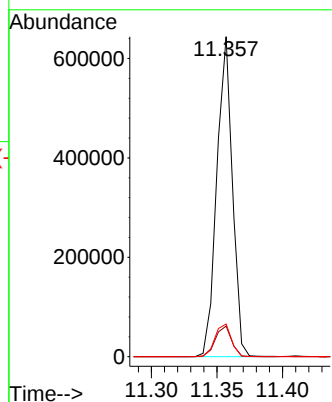
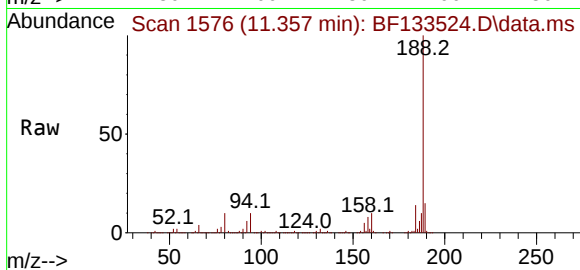
Tgt Ion:188 Resp: 531859

Ion Ratio Lower Upper

188 100

94 9.6 8.6 12.8

80 10.2 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.994 ng

RT: 10.663 min Scan# 1458

Delta R.T. 0.194 min

Lab File: BF133524.D

Acq: 30 May 2023 16:17

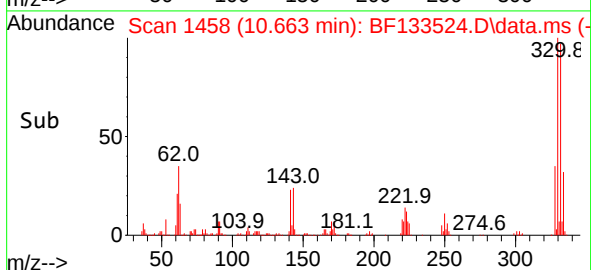
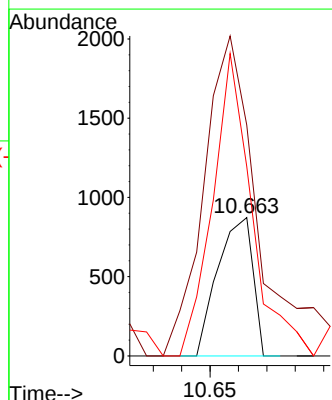
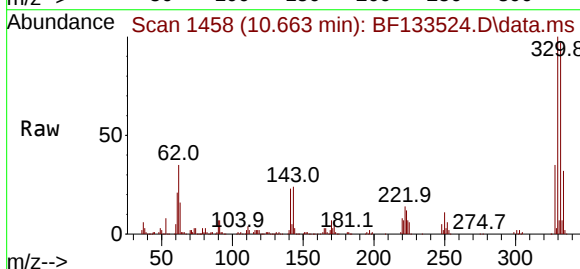
Tgt Ion:198 Resp: 750

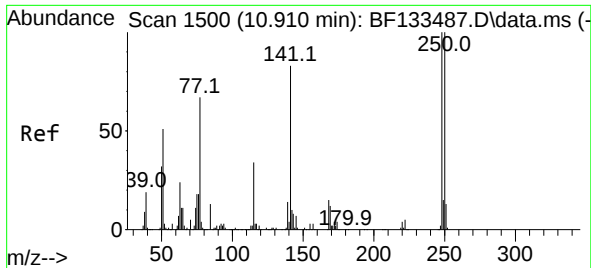
Ion Ratio Lower Upper

198 100

51 166.9 53.6 93.6#

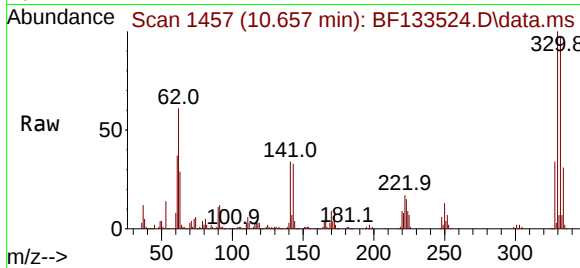
105 136.9 35.9 75.9#



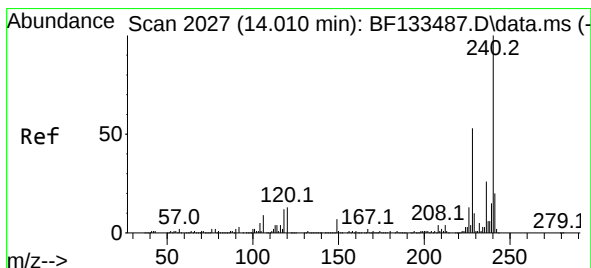
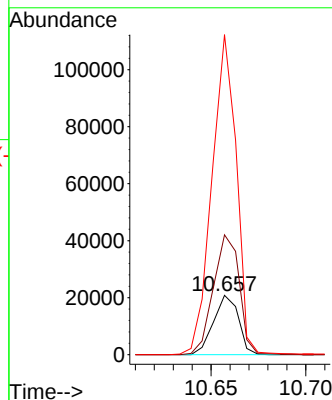
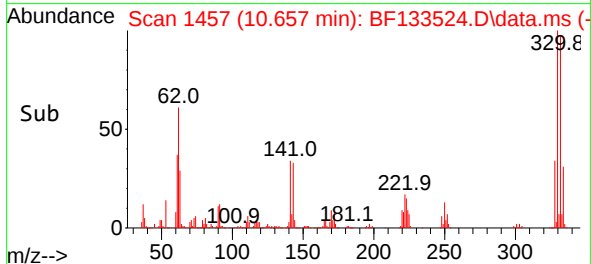


#67
4-Bromophenyl-phenylether
Concen: 3.378 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

Instrument :
BNA_F
ClientSampleId :
TP-9-0A

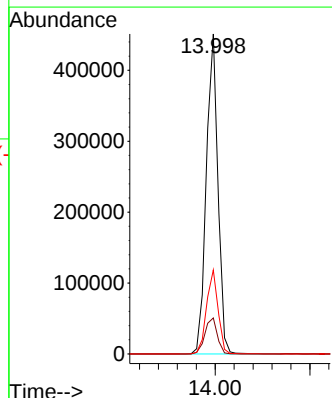
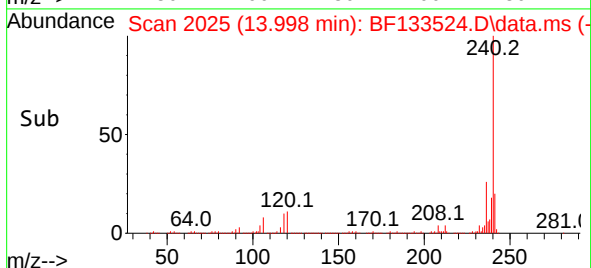
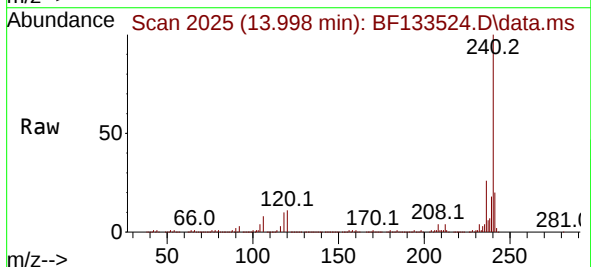


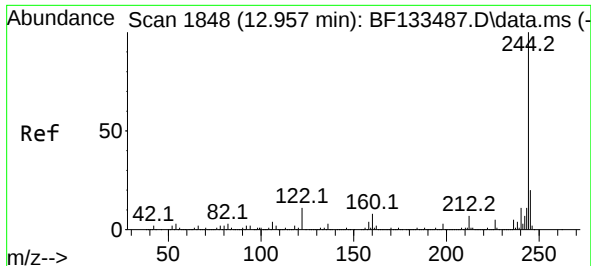
Tgt Ion:248 Resp: 19078
Ion Ratio Lower Upper
248 100
250 201.9 79.7 119.5#
141 539.2 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133524.D
Acq: 30 May 2023 16:17

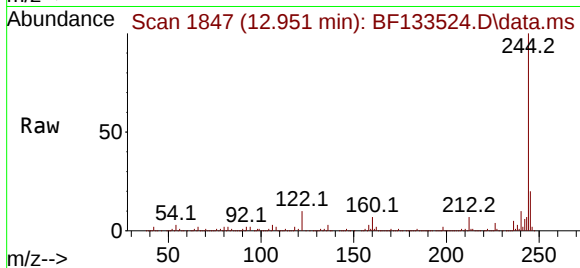
Tgt Ion:240 Resp: 384340
Ion Ratio Lower Upper
240 100
120 11.2 10.3 15.5
236 26.2 20.5 30.7





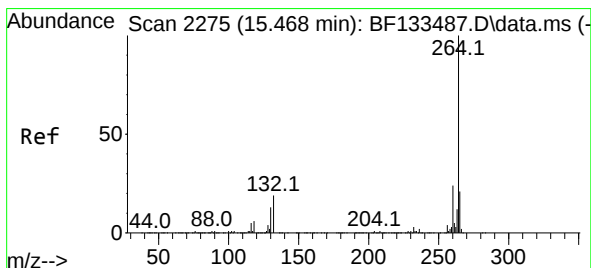
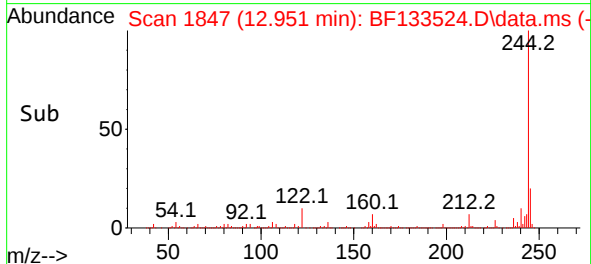
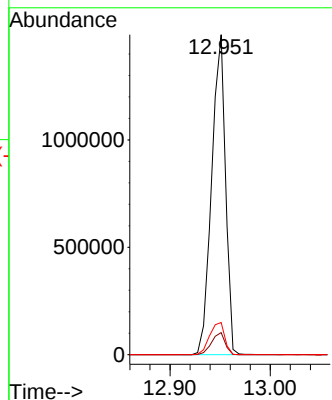
#79
 Terphenyl-d14
 Concen: 66.043 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.000 min
 Lab File: BF133524.D
 Acq: 30 May 2023 16:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-0A



Tgt Ion:244 Resp: 1427622

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	10.1	8.5	12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.457 min Scan# 2273
 Delta R.T. -0.000 min
 Lab File: BF133524.D
 Acq: 30 May 2023 16:17

Tgt Ion:264 Resp: 288471

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.4	16.8	25.2

