

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
 Data File : BF133546.D
 Acq On : 31 May 2023 18:54
 Operator : CG\JU
 Sample : 02972-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11-0A

Quant Time: Jun 01 02:03:54 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

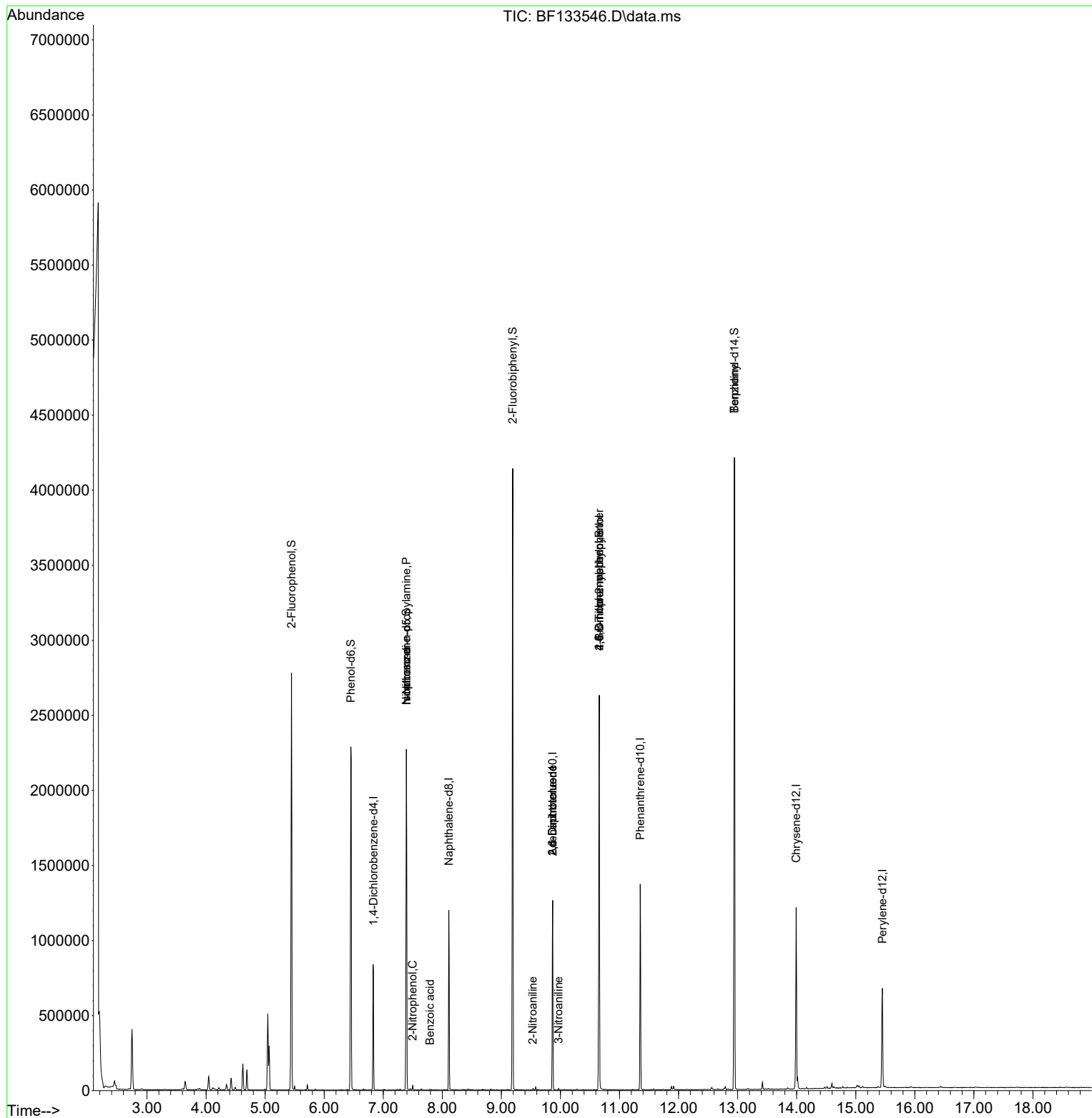
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	121659	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	468130	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	233449	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	474206	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	351754	20.000	ng	-0.01
86) Perylene-d12	15.451	264	293677	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	741271	101.660	ng	0.00
7) Phenol-d6	6.451	99	804674	89.646	ng	-0.01
23) Nitrobenzene-d5	7.392	82	669621	95.507	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	307801	132.270	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1202733	79.518	ng	0.00
79) Terphenyl-d14	12.945	244	1551813	78.438	ng	0.00
Target Compounds						
9) Benzaldehyde	6.381	77	120	Below Cal	Qvalue	# 43
19) n-Nitroso-di-n-propyla...	7.392	70	90673	15.613	ng	# 79
25) Isophorone	7.392	82	669609	40.979	ng	# 65
26) 2-Nitrophenol	7.498	139	179	4.789	ng	# 33
32) Benzoic acid	7.792	122	858	7.508	ng	# 96
48) 2-Nitroaniline	9.533	65	235	4.039	ng	# 6
51) 2,6-Dinitrotoluene	9.869	165	30642	12.751	ng	# 17
53) 3-Nitroaniline	9.969	138	594	3.322	ng	# 19
57) 2,4-Dinitrotoluene	9.869	165	30642	11.877	ng	# 15
65) 4,6-Dinitro-2-methylph...	10.657	198	594	8.962	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	18457	3.665	ng	# 1
77) Benzidine	12.945	184	21906	2.129	ng	# 92

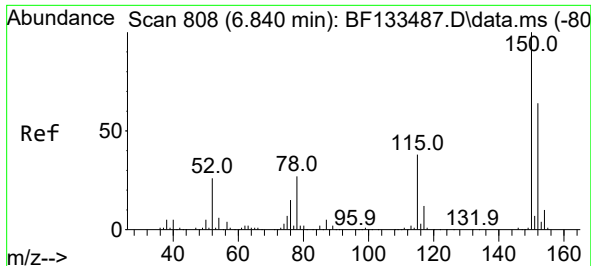
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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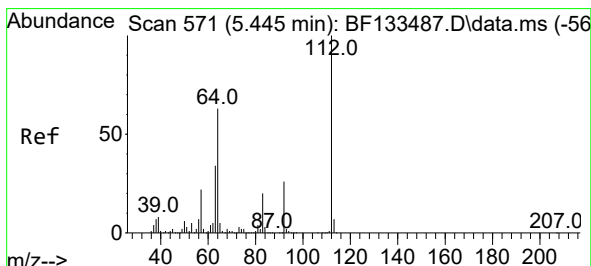
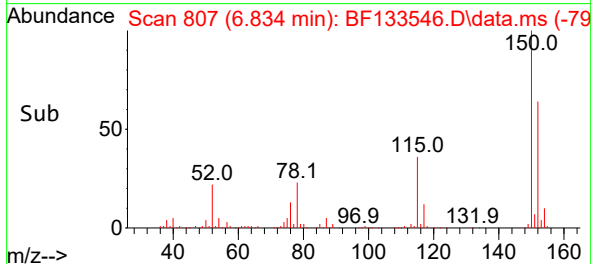
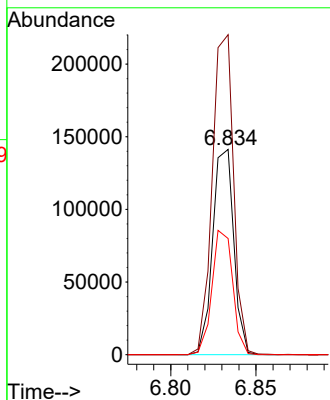
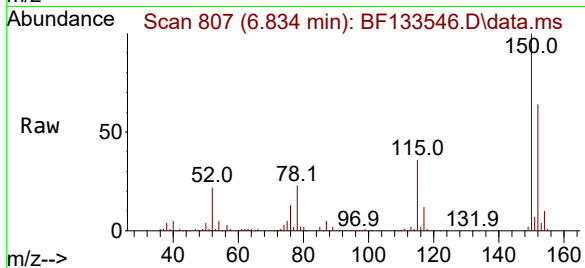




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

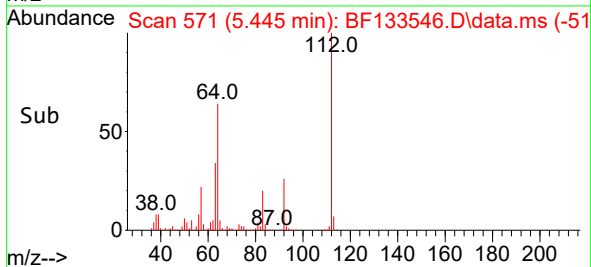
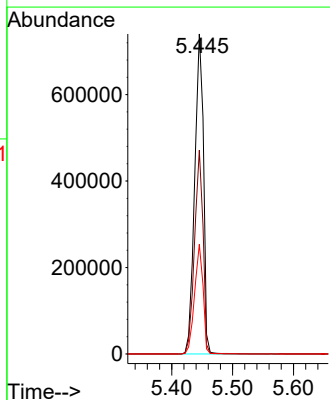
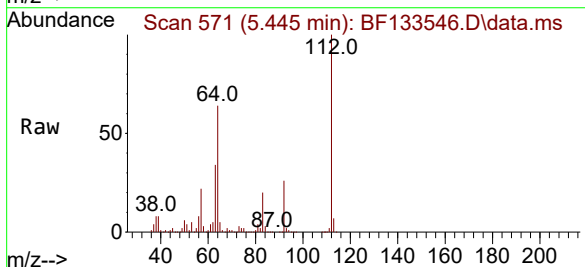
Instrument :
BNA_F
ClientSampleId :
TP-11-0A

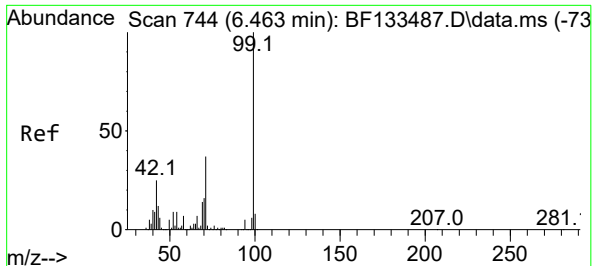
Tgt Ion:152 Resp: 121659
Ion Ratio Lower Upper
152 100
150 155.9 124.9 187.3
115 56.6 48.1 72.1



#5
2-Fluorophenol
Concen: 101.660 ng
RT: 5.445 min Scan# 571
Delta R.T. 0.006 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

Tgt Ion:112 Resp: 741271
Ion Ratio Lower Upper
112 100
64 63.7 50.1 75.1
63 34.2 27.5 41.3

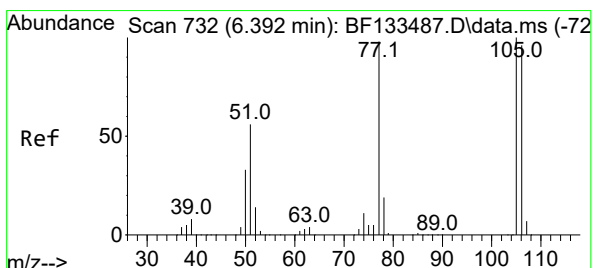
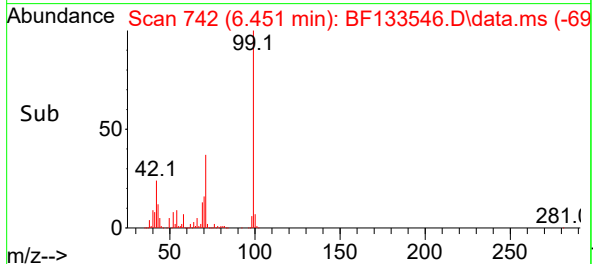
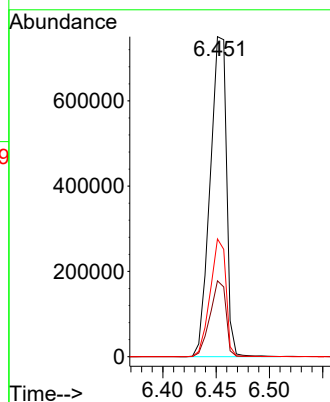
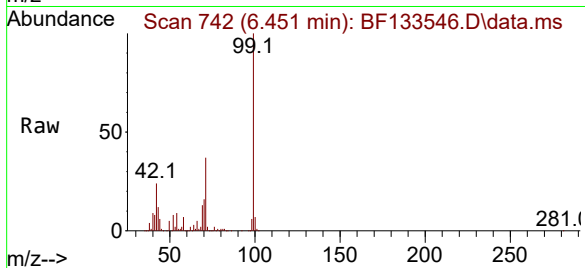




#7
Phenol-d6
Concen: 89.646 ng
RT: 6.451 min Scan# 744
Delta R.T. -0.012 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

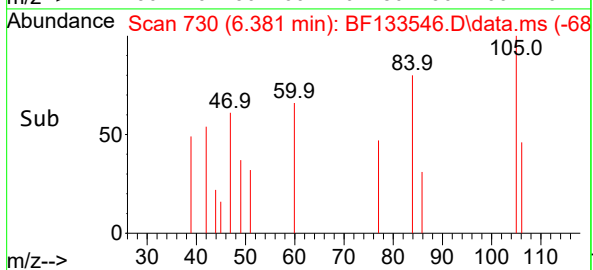
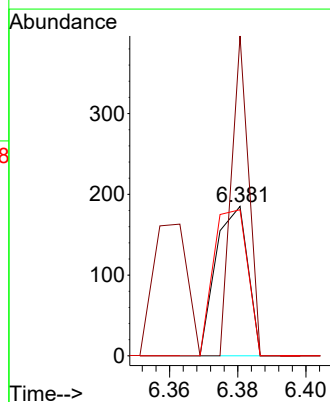
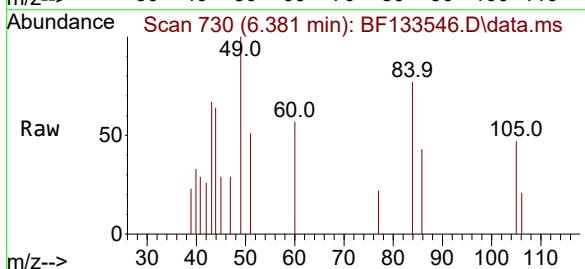
Instrument :
BNA_F
ClientSampleId :
TP-11-0A

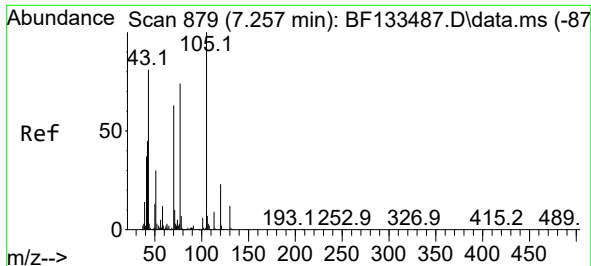
Tgt Ion: 99 Resp: 804674
Ion Ratio Lower Upper
99 100
42 23.7 19.7 29.5
71 36.8 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. -0.006 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

Tgt Ion: 77 Resp: 120
Ion Ratio Lower Upper
77 100
105 214.1 81.9 121.9#
106 97.8 77.8 117.8

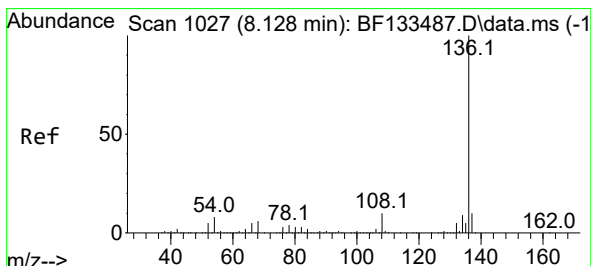
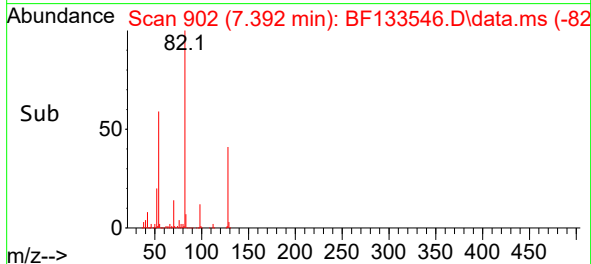
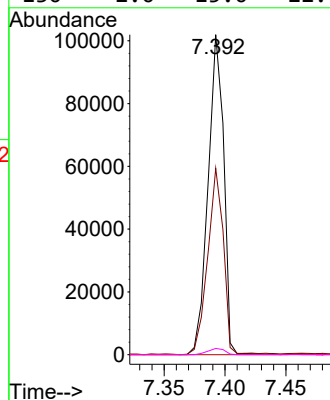
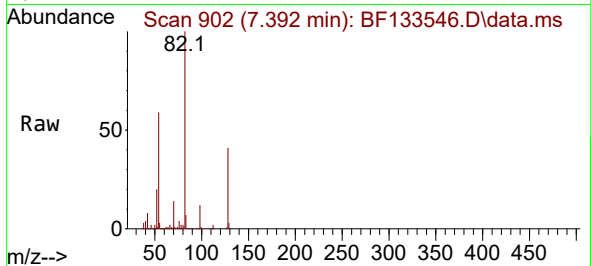




#19
n-Nitroso-di-n-propylamine
Concen: 15.613 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

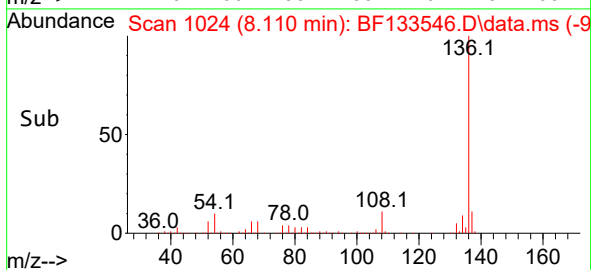
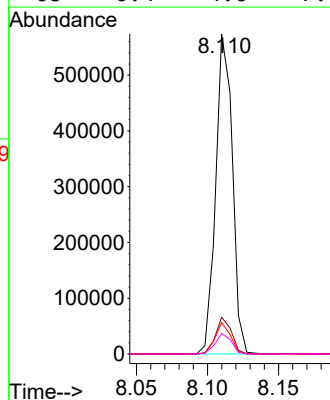
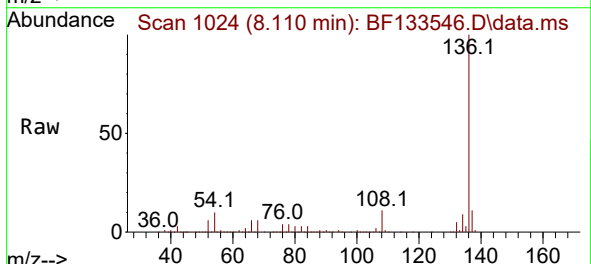
Instrument :
BNA_F
ClientSampleId :
TP-11-0A

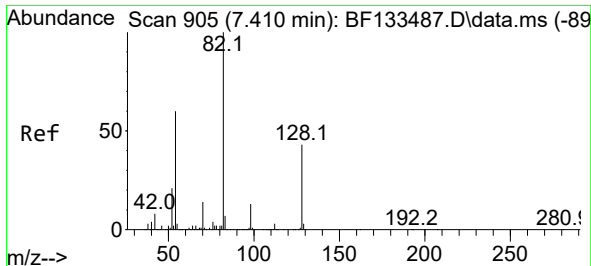
Tgt Ion:	70	Resp:	90673
Ion	Ratio	Lower	Upper
70	100		
42	58.2	57.2	85.8
101	0.0	7.3	10.9#
130	2.0	15.0	22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

Tgt Ion:	136	Resp:	468130
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.2	12.4
54	9.8	6.6	10.0
68	6.4	4.6	7.0





#23

Nitrobenzene-d5

Concen: 95.507 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133546.D

Acq: 31 May 2023 18:54

Instrument :

BNA_F

ClientSampleId :

TP-11-0A

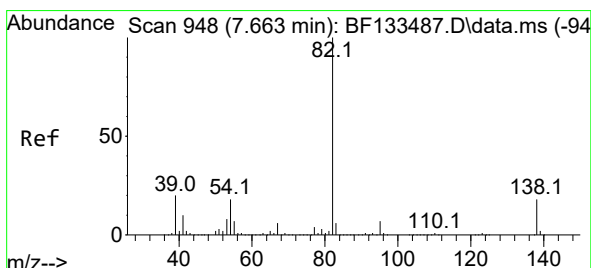
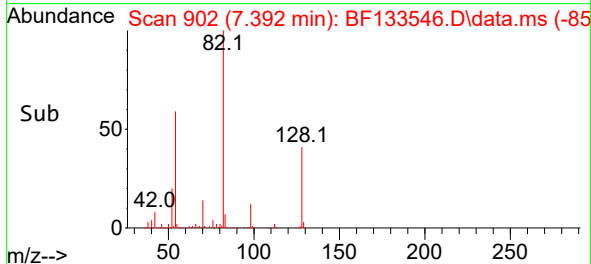
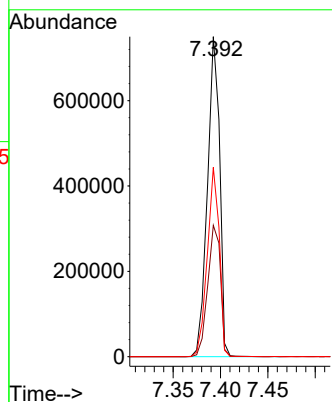
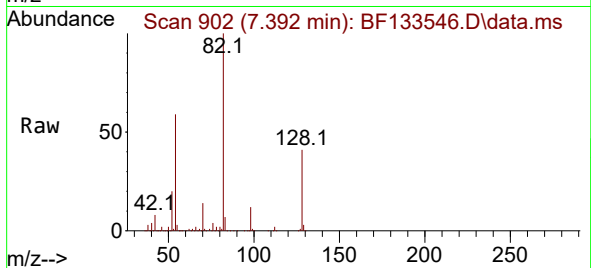
Tgt Ion: 82 Resp: 669621

Ion Ratio Lower Upper

82 100

128 41.0 34.2 51.4

54 59.2 48.2 72.4



#25

Isophorone

Concen: 40.979 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133546.D

Acq: 31 May 2023 18:54

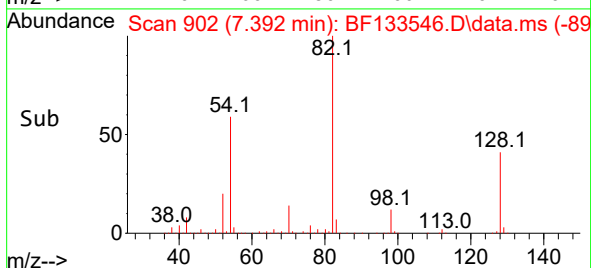
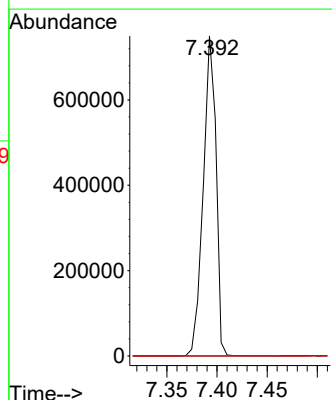
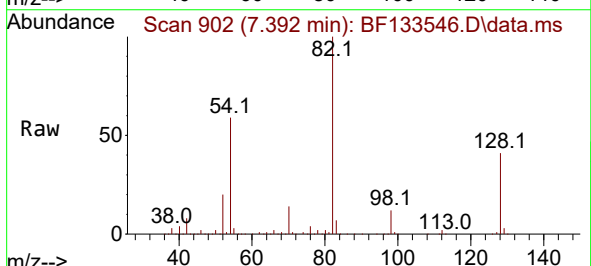
Tgt Ion: 82 Resp: 669609

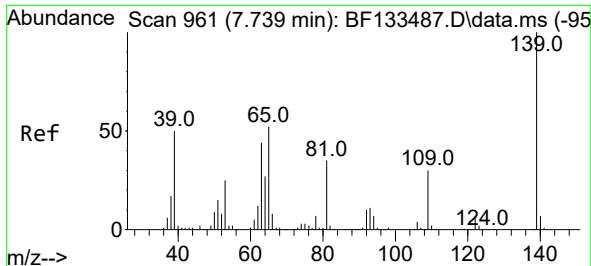
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

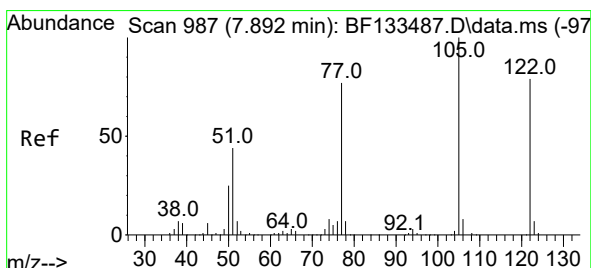
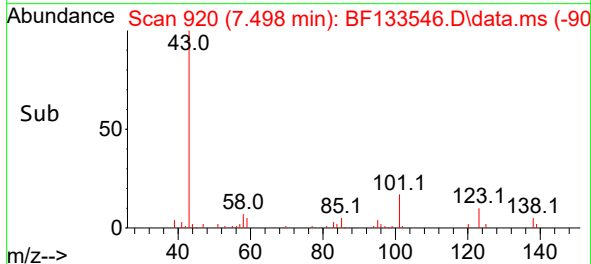
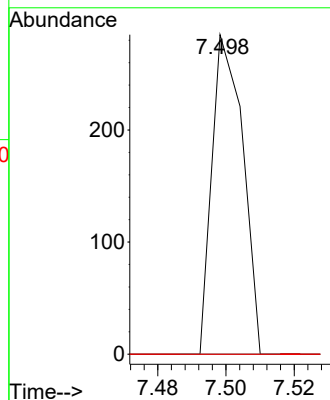
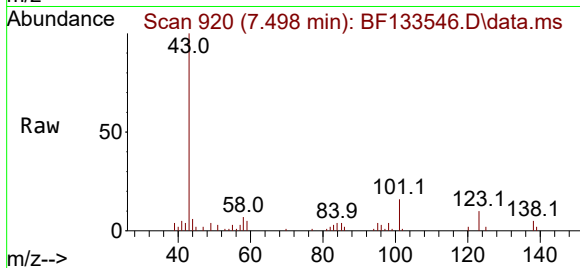




#26
2-Nitrophenol
Concen: 4.789 ng
RT: 7.498 min Scan# 91
Delta R.T. -0.235 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

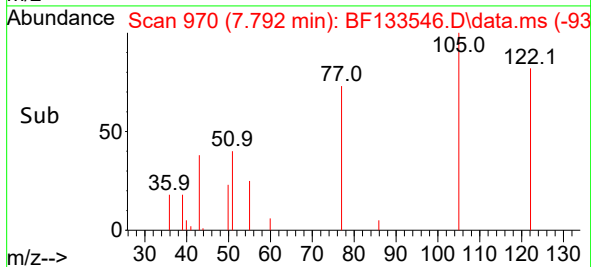
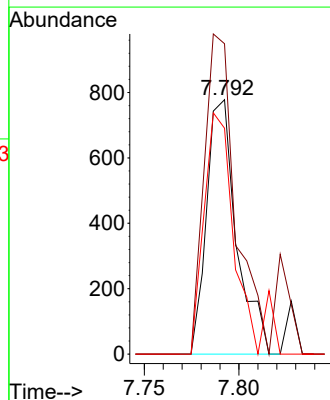
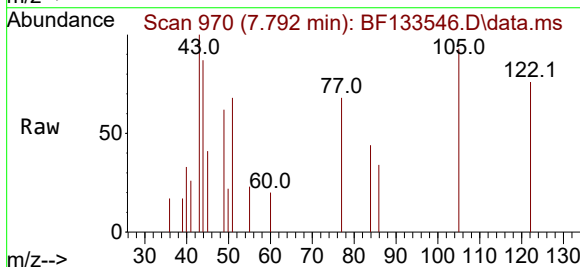
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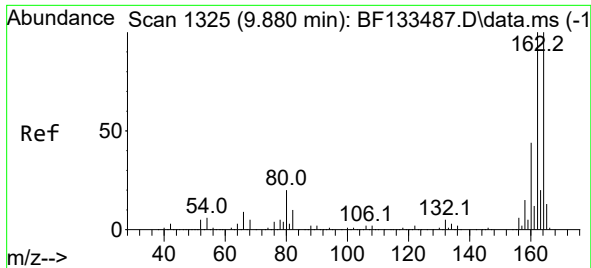
Tgt Ion:139 Resp: 179
Ion Ratio Lower Upper
139 100
109 0.0 24.0 36.0#
65 0.0 41.7 62.5#



#32
Benzoic acid
Concen: 7.508 ng
RT: 7.792 min Scan# 970
Delta R.T. -0.088 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

Tgt Ion:122 Resp: 858
Ion Ratio Lower Upper
122 100
105 122.0 103.3 143.3
77 88.8 75.7 115.7

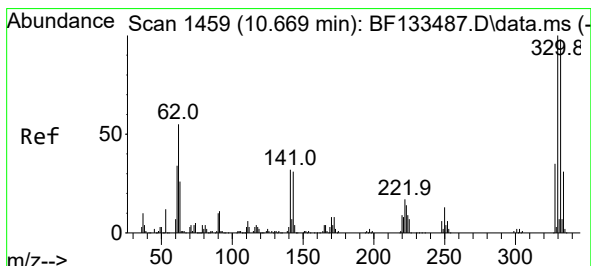
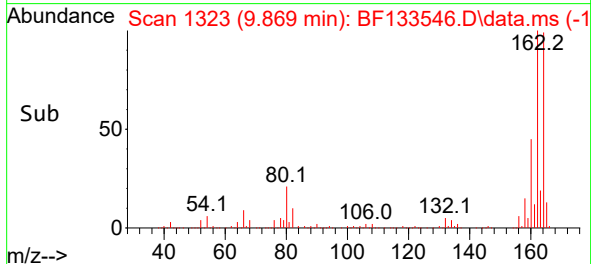
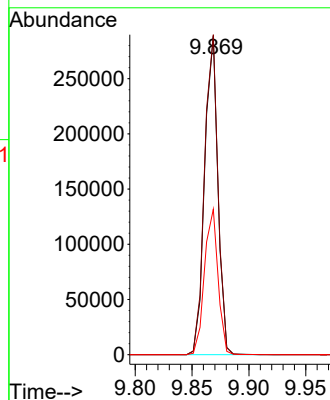
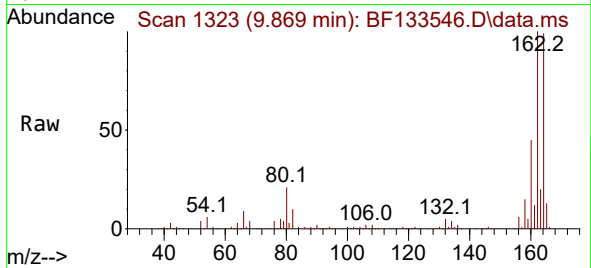




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

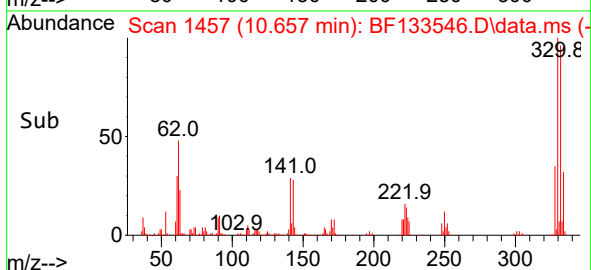
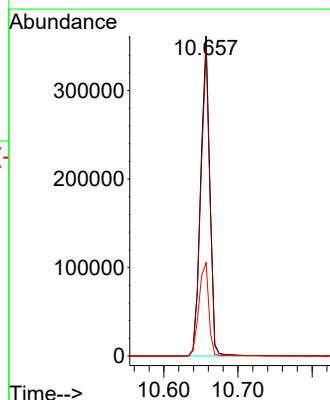
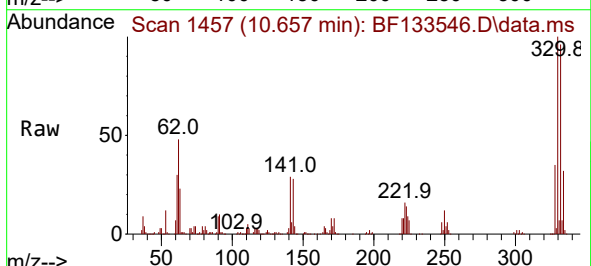
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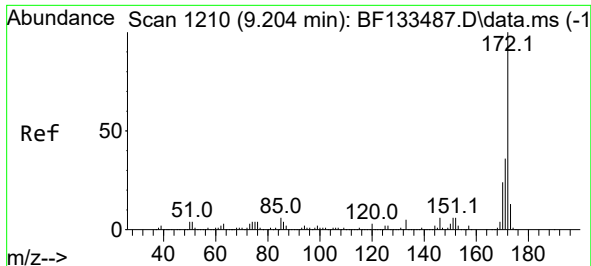
Tgt Ion:164 Resp: 233449
Ion Ratio Lower Upper
164 100
162 100.5 79.7 119.5
160 45.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 132.270 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

Tgt Ion:330 Resp: 307801
Ion Ratio Lower Upper
330 100
332 95.7 77.8 116.6
141 31.4 26.6 40.0





#45

2-Fluorobiphenyl

Concen: 79.518 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133546.D

Acq: 31 May 2023 18:54

Instrument :

BNA_F

ClientSampleId :

TP-11-0A

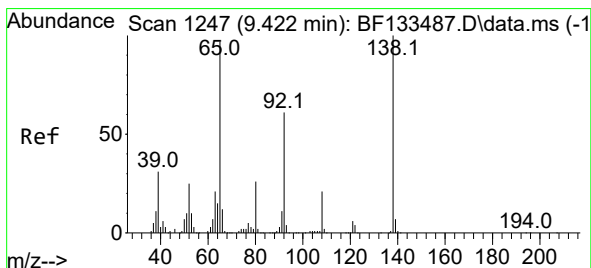
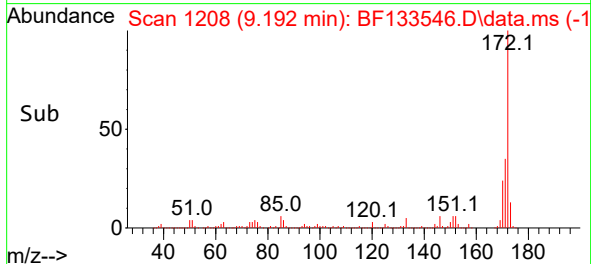
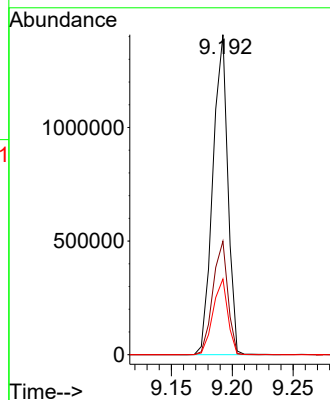
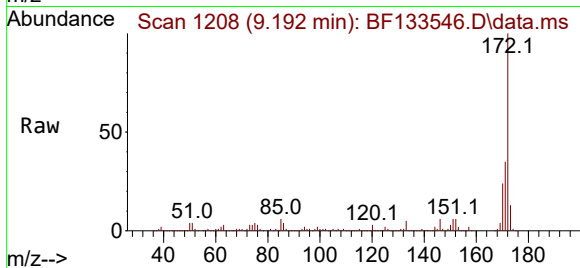
Tgt Ion:172 Resp: 1202733

Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 23.7 19.3 28.9



#48

2-Nitroaniline

Concen: 4.039 ng

RT: 9.533 min Scan# 1266

Delta R.T. 0.117 min

Lab File: BF133546.D

Acq: 31 May 2023 18:54

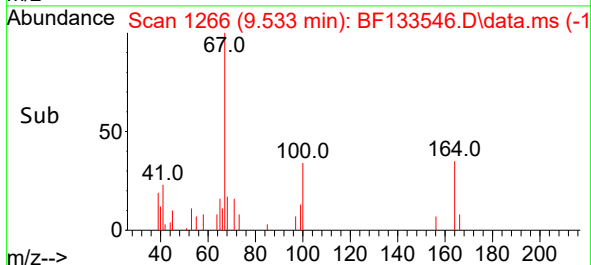
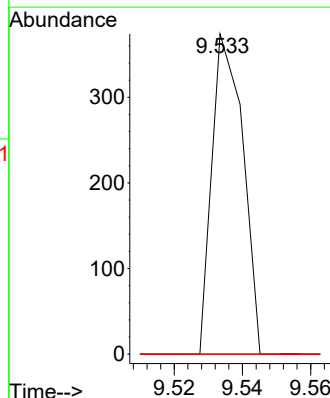
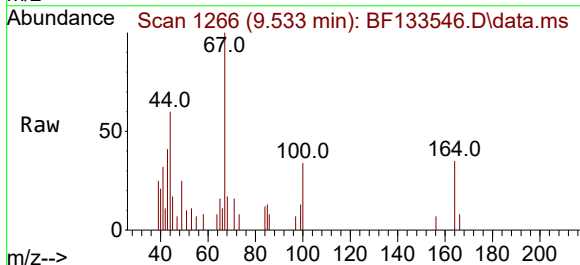
Tgt Ion: 65 Resp: 235

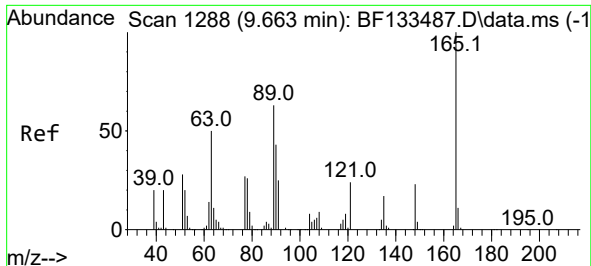
Ion Ratio Lower Upper

65 100

92 0.0 50.8 76.2#

138 0.0 82.6 124.0#

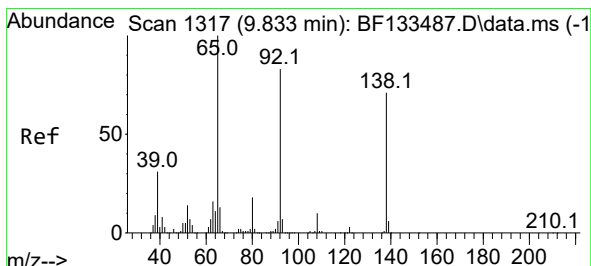
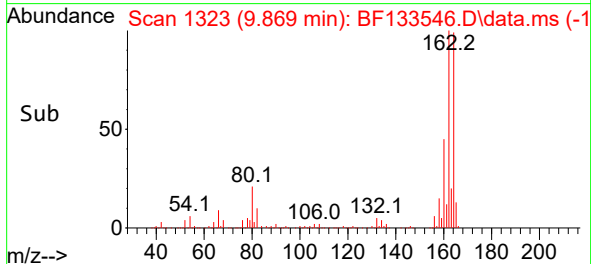
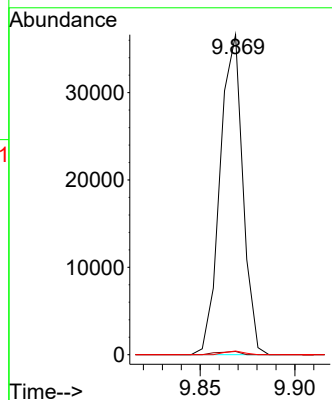
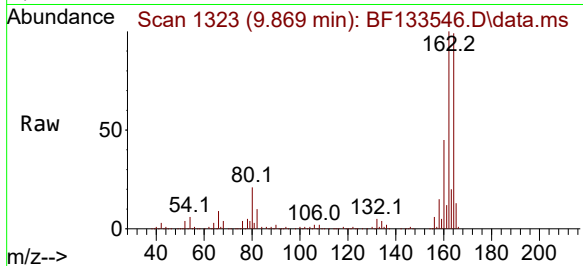




#51
2,6-Dinitrotoluene
Concen: 12.751 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

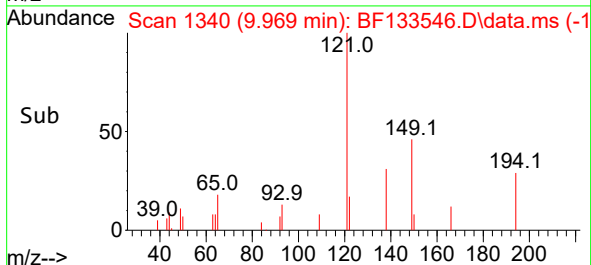
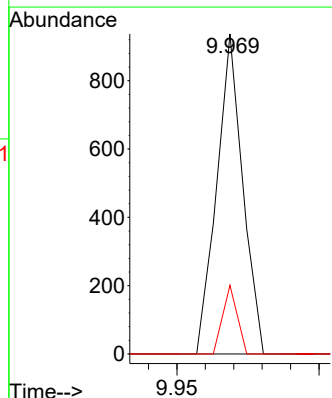
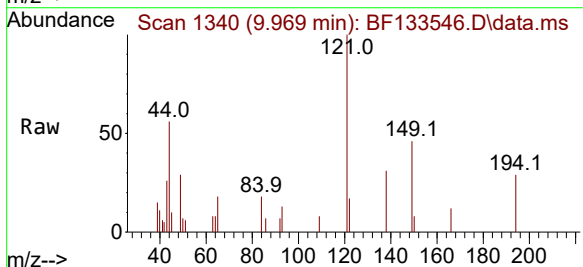
Instrument :
BNA_F
ClientSampleId :
TP-11-0A

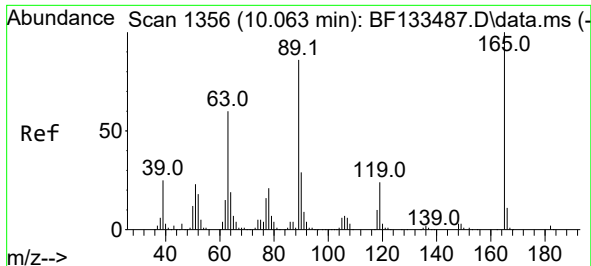
Tgt Ion:165 Resp: 30642
Ion Ratio Lower Upper
165 100
63 1.0 57.0 85.4#
89 1.2 50.8 76.2#



#53
3-Nitroaniline
Concen: 3.322 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.141 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

Tgt Ion:138 Resp: 594
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 21.5 93.1 139.7#

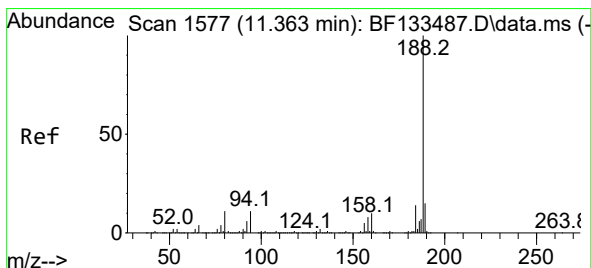
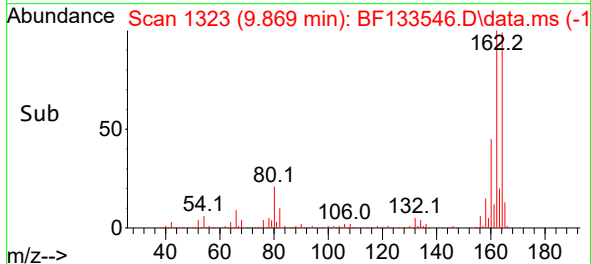
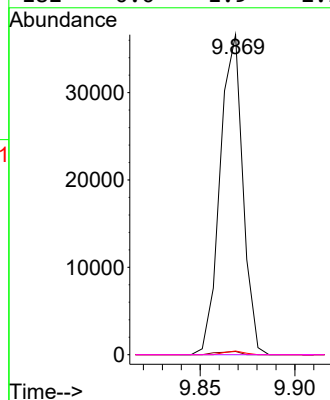
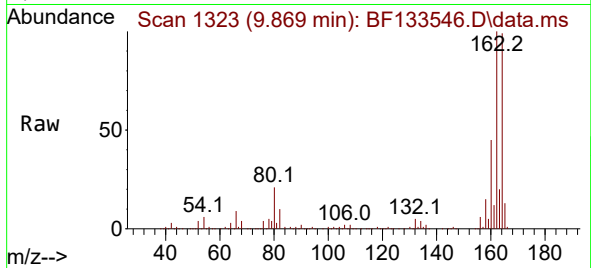




#57
2,4-Dinitrotoluene
Concen: 11.877 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

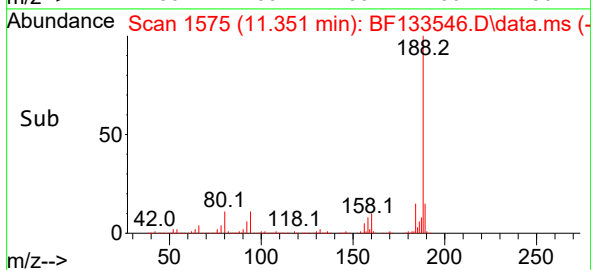
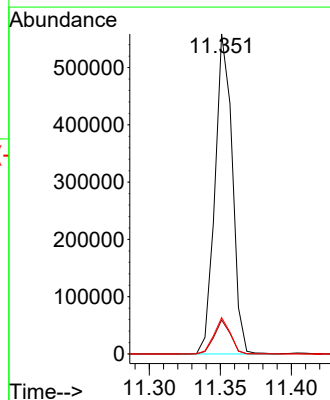
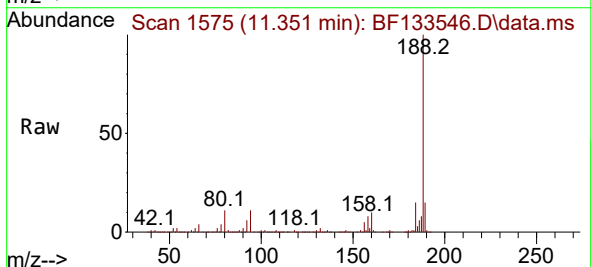
Instrument :
BNA_F
ClientSampleId :
TP-11-0A

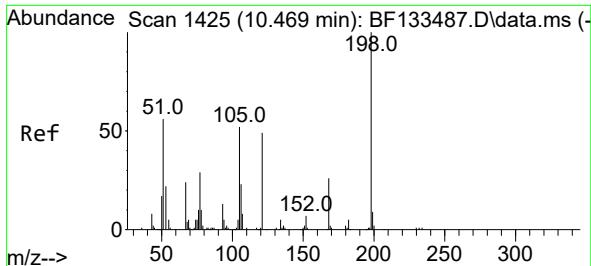
Tgt Ion:165 Resp: 30642
Ion Ratio Lower Upper
165 100
63 1.0 48.1 72.1#
89 1.2 68.4 102.6#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

Tgt Ion:188 Resp: 474206
Ion Ratio Lower Upper
188 100
94 10.6 8.6 12.8
80 11.4 9.2 13.8

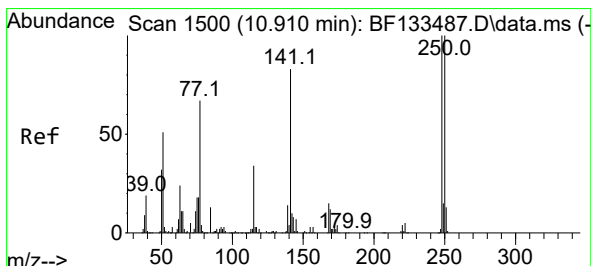
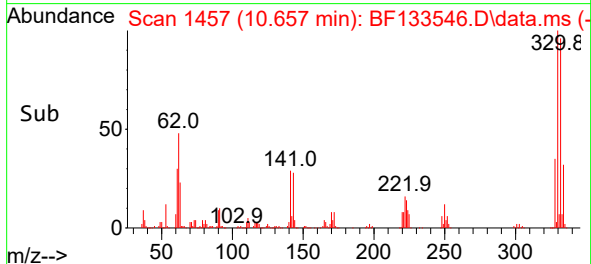
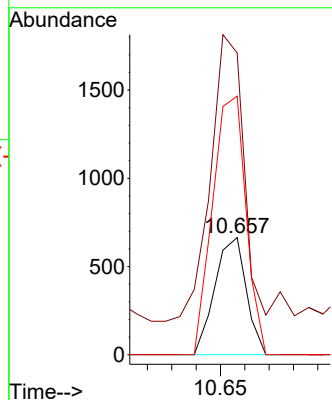
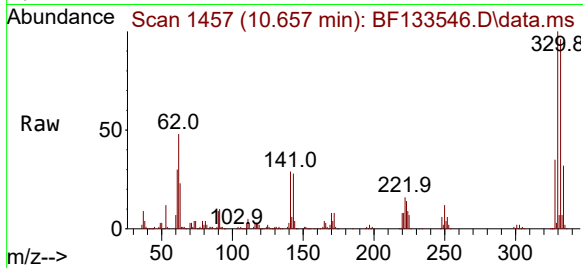




#65
4,6-Dinitro-2-methylphenol
Concen: 8.962 ng
RT: 10.657 min Scan# 1425
Delta R.T. 0.188 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

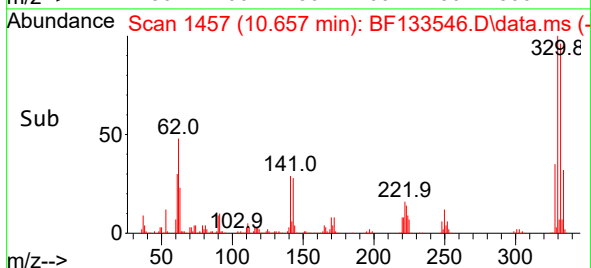
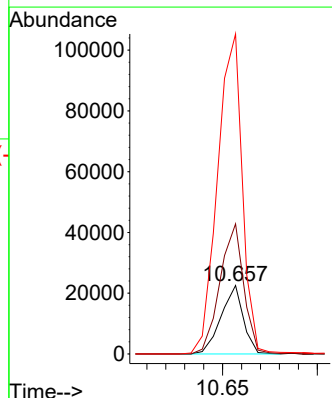
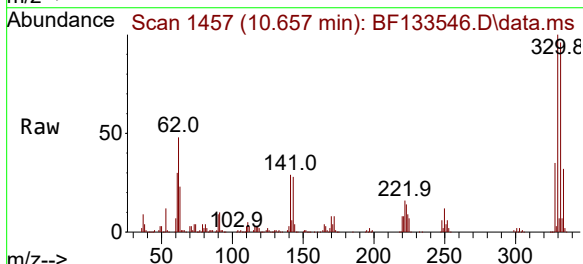
Instrument :
BNA_F
ClientSampleId :
TP-11-0A

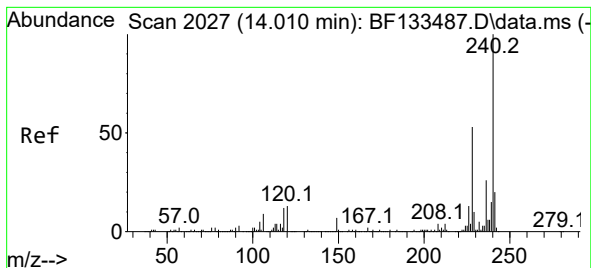
Tgt Ion:198 Resp: 594
Ion Ratio Lower Upper
198 100
51 257.7 53.6 93.6#
105 220.8 35.9 75.9#



#67
4-Bromophenyl-phenylether
Concen: 3.665 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.247 min
Lab File: BF133546.D
Acq: 31 May 2023 18:54

Tgt Ion:248 Resp: 18457
Ion Ratio Lower Upper
248 100
250 190.0 79.7 119.5#
141 467.4 66.6 100.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133546.D

Acq: 31 May 2023 18:54

Instrument :

BNA_F

ClientSampleId :

TP-11-0A

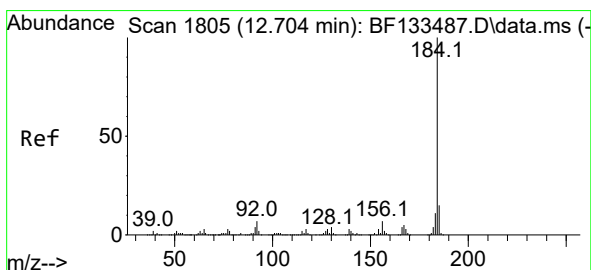
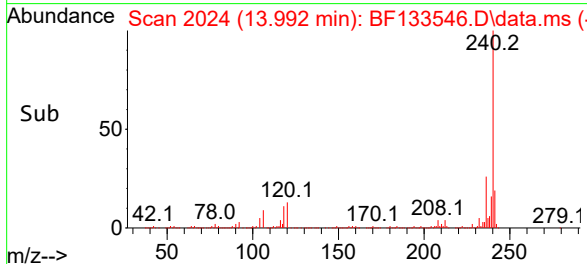
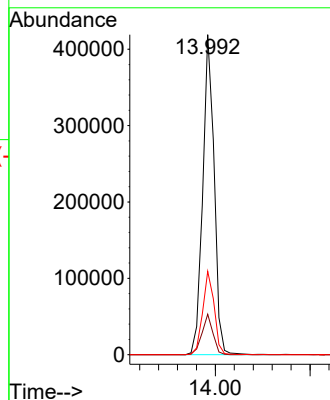
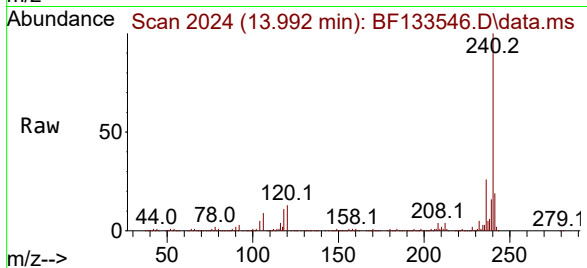
Tgt Ion:240 Resp: 351754

Ion Ratio Lower Upper

240 100

120 12.6 10.3 15.5

236 26.1 20.5 30.7



#77

Benzidine

Concen: 2.129 ng

RT: 12.945 min Scan# 1846

Delta R.T. 0.247 min

Lab File: BF133546.D

Acq: 31 May 2023 18:54

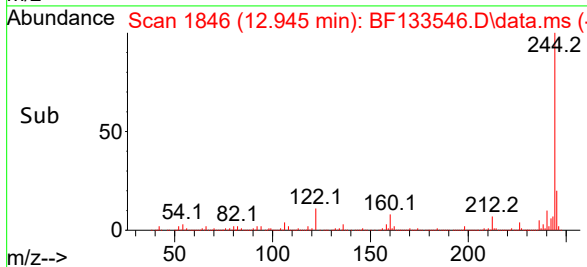
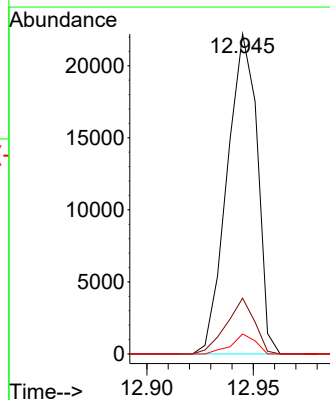
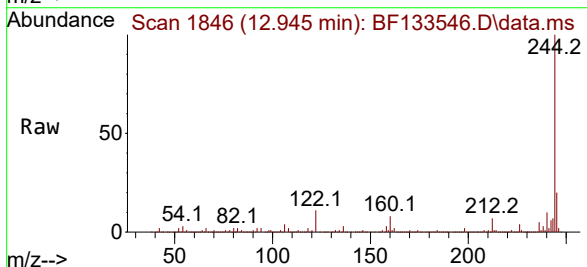
Tgt Ion:184 Resp: 21906

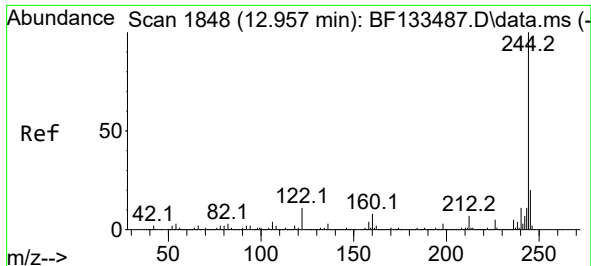
Ion Ratio Lower Upper

184 100

185 17.5 12.2 18.2

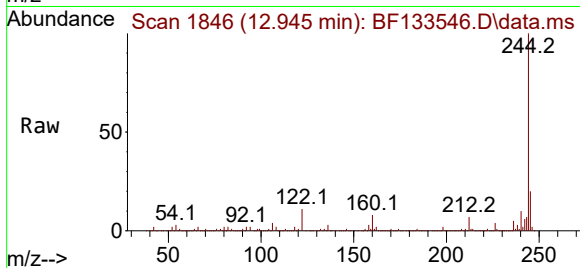
183 6.3 8.7 13.1#



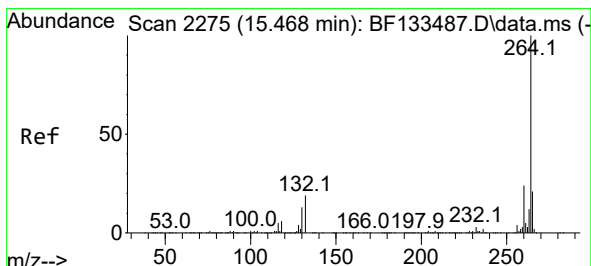
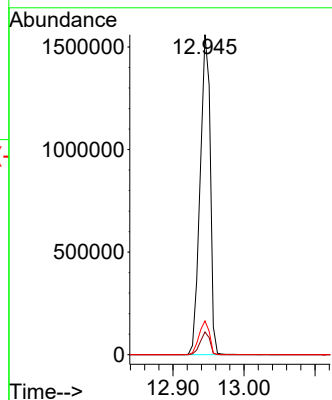
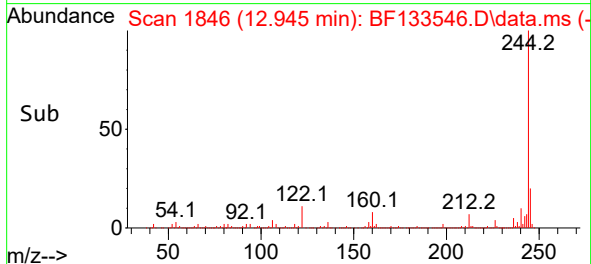


#79
 Terphenyl-d14
 Concen: 78.438 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.006 min
 Lab File: BF133546.D
 Acq: 31 May 2023 18:54

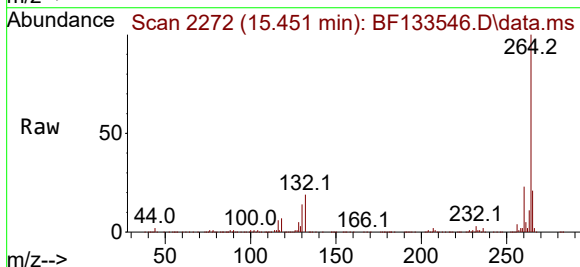
Instrument :
 BNA_F
 ClientSampleId :
 TP-11-0A



Tgt Ion:244 Resp: 1551813
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 10.5 8.5 12.7



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. -0.006 min
 Lab File: BF133546.D
 Acq: 31 May 2023 18:54



Tgt Ion:264 Resp: 293677
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.0 28.4
 265 21.4 16.8 25.2

