

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053123\
 Data File : BF133550.D
 Acq On : 31 May 2023 21:02
 Operator : CG\JU
 Sample : 02977-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDATION-TEST-PIT

Quant Time: Jun 01 02:04:50 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)

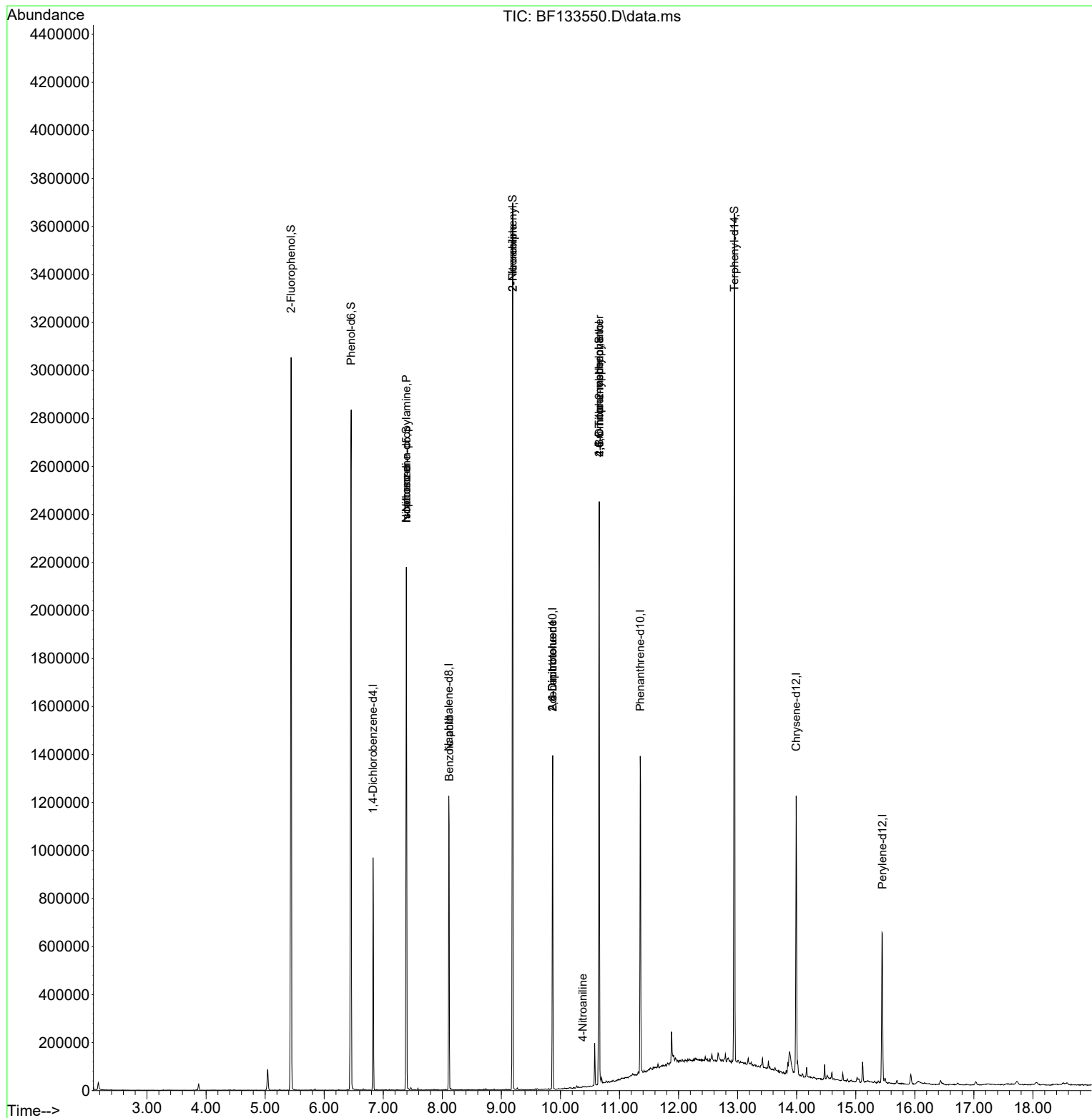
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	131949	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	505420	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	248816	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	490078	20.000	ng	-0.01
76) Chrysene-d12	13.992	240	359738	20.000	ng	-0.01
86) Perylene-d12	15.451	264	296320	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	826928	104.563	ng	0.00
7) Phenol-d6	6.457	99	998048	102.518	ng	0.00
23) Nitrobenzene-d5	7.392	82	625685	82.656	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	284294	114.624	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	1074254	66.637	ng	0.00
79) Terphenyl-d14	12.945	244	1271587	62.847	ng	0.00
Target Compounds						
9) Benzaldehyde	6.375	77	139	Below Cal		Qvalue # 46
19) n-Nitroso-di-n-propyla...	7.392	70	85729	13.610	ng	# 79
25) Isophorone	7.392	82	625671	35.465	ng	# 65
32) Benzoic acid	8.116	122	61	7.360	ng	# 1
48) 2-Nitroaniline	9.192	65	1892	4.359	ng	# 1
51) 2,6-Dinitrotoluene	9.869	165	32621	12.741	ng	# 18
57) 2,4-Dinitrotoluene	9.869	165	32621	11.869	ng	# 15
62) 4-Nitroaniline	10.380	138	112	3.010	ng	# 22
65) 4,6-Dinitro-2-methylph...	10.657	198	640	8.973	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	17136	3.292	ng	# 1

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

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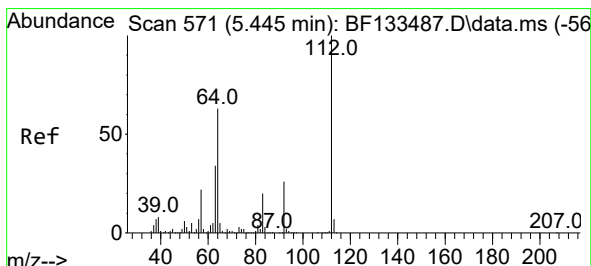
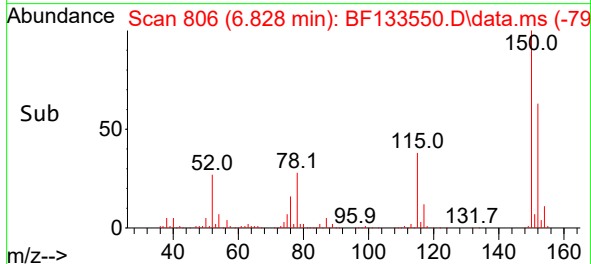
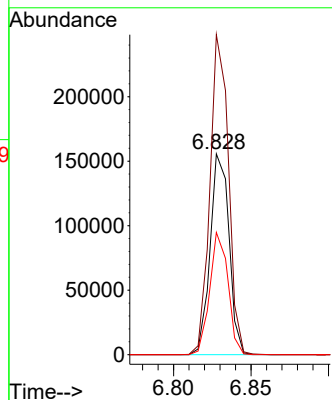
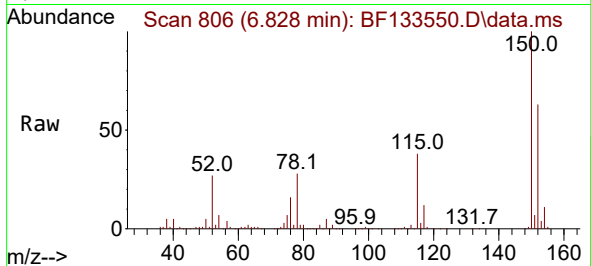




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

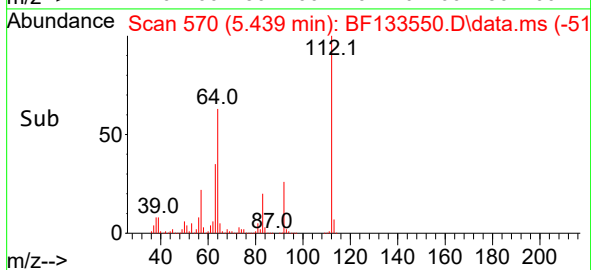
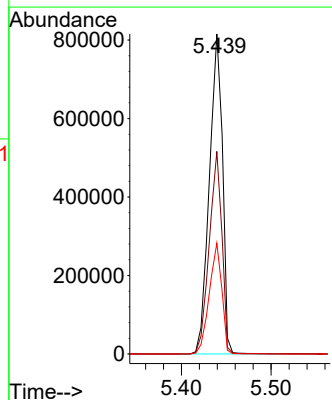
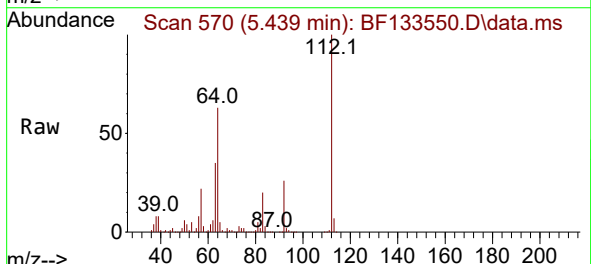
Instrument :
BNA_F
ClientSampleId :
FOUNDATION-TEST-PIT

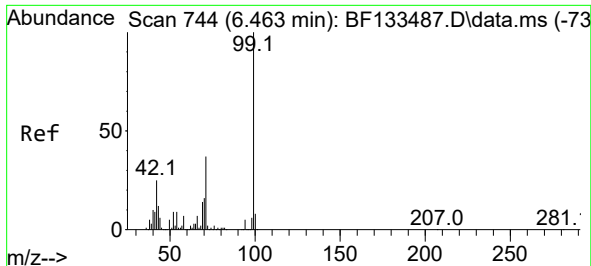
Tgt Ion:152 Resp: 131949
Ion Ratio Lower Upper
152 100
150 159.3 124.9 187.3
115 60.9 48.1 72.1



#5
2-Fluorophenol
Concen: 104.563 ng
RT: 5.439 min Scan# 570
Delta R.T. -0.000 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

Tgt Ion:112 Resp: 826928
Ion Ratio Lower Upper
112 100
64 63.3 50.1 75.1
63 34.7 27.5 41.3

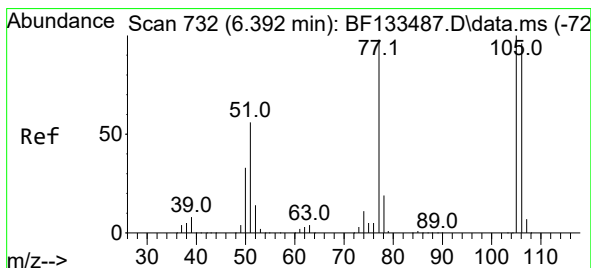
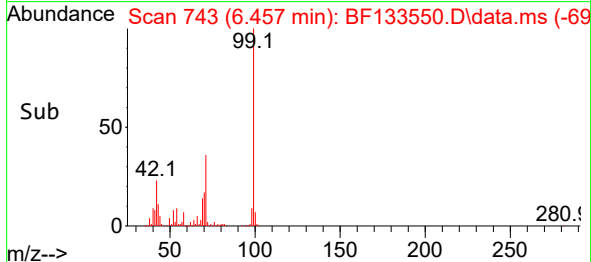
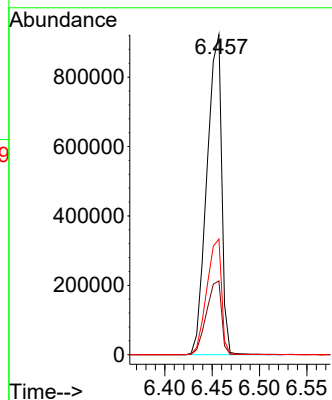
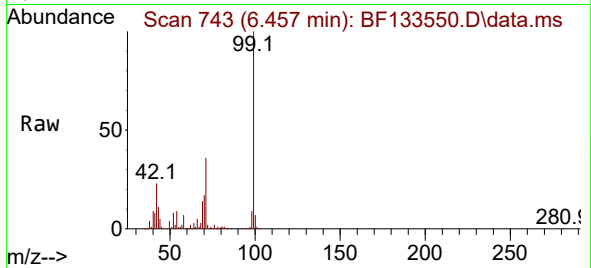




#7
Phenol-d6
Concen: 102.518 ng
RT: 6.457 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

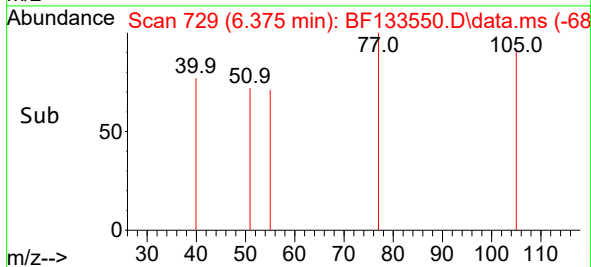
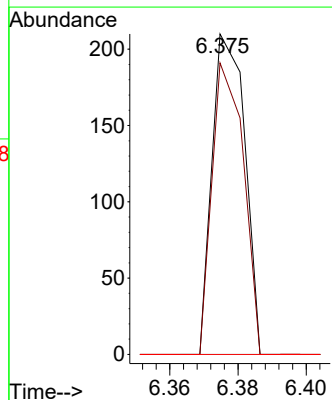
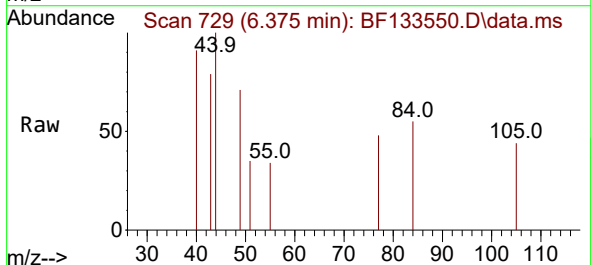
Instrument :
BNA_F
ClientSampleId :
FOUNDATION-TEST-PIT

Tgt Ion: 99 Resp: 998048
Ion Ratio Lower Upper
99 100
42 23.0 19.7 29.5
71 36.1 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.375 min Scan# 729
Delta R.T. -0.012 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

Tgt Ion: 77 Resp: 139
Ion Ratio Lower Upper
77 100
105 91.0 81.9 121.9
106 0.0 77.8 117.8#

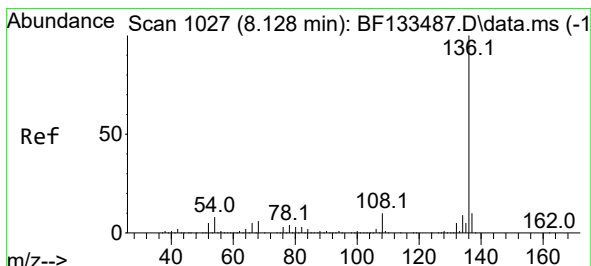
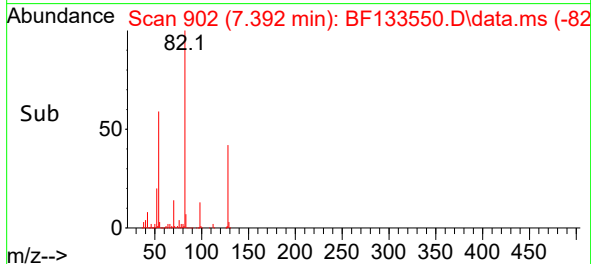
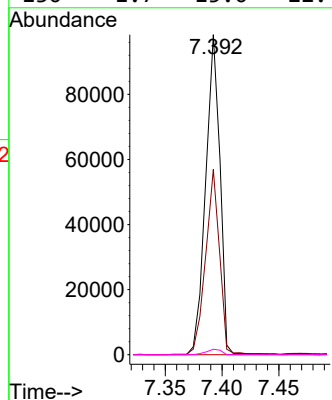
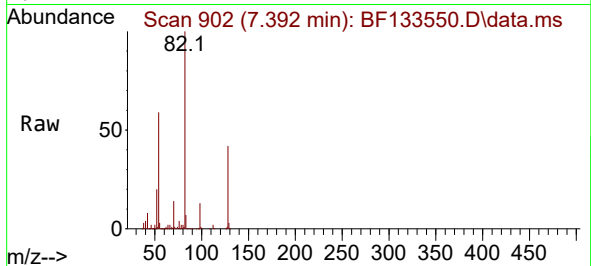




#19
n-Nitroso-di-n-propylamine
Concen: 13.610 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

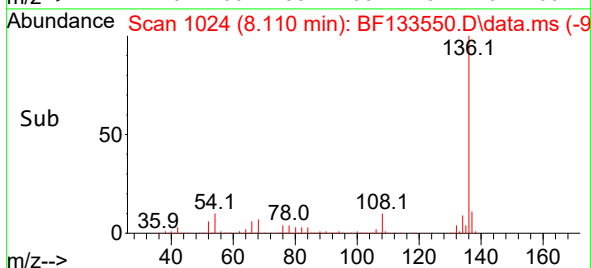
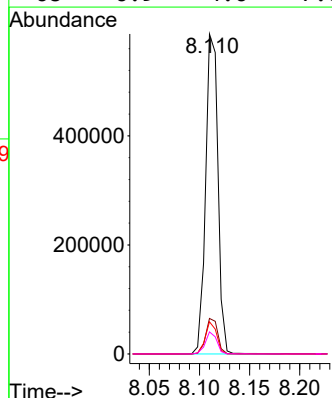
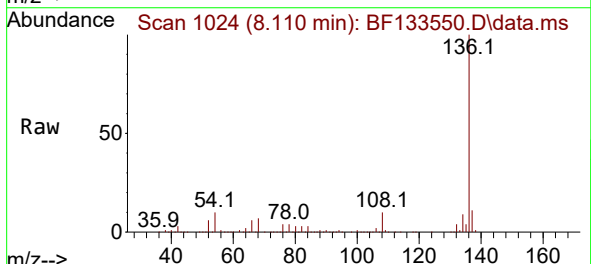
Instrument :
BNA_F
ClientSampleId :
FOUNDATION-TEST-PIT

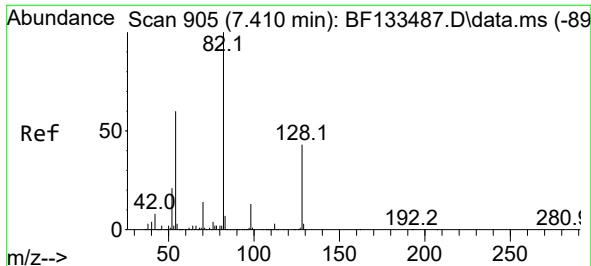
Tgt Ion: 70 Resp: 85729
Ion Ratio Lower Upper
70 100
42 57.9 57.2 85.8
101 0.0 7.3 10.9#
130 1.7 15.0 22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

Tgt Ion: 136 Resp: 505420
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 10.1 6.6 10.0#
68 6.9 4.6 7.0





#23

Nitrobenzene-d5

Concen: 82.656 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.012 min

Lab File: BF133550.D

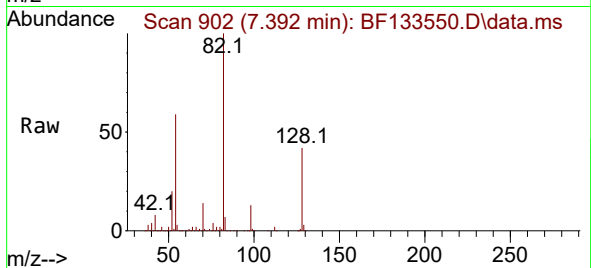
Acq: 31 May 2023 21:02

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-TEST-PIT



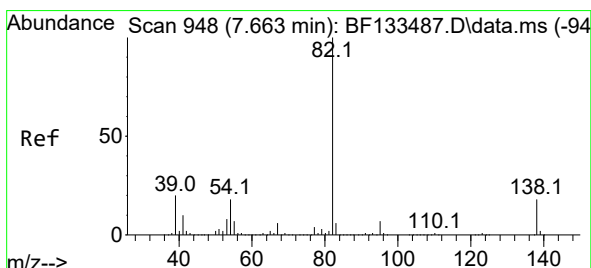
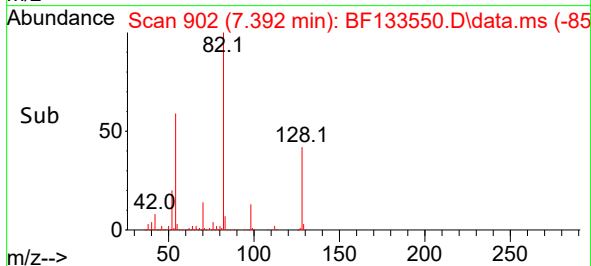
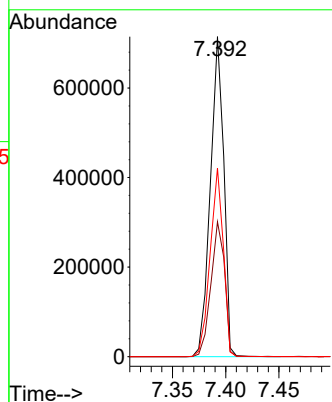
Tgt Ion: 82 Resp: 625685

Ion Ratio Lower Upper

82 100

128 42.2 34.2 51.4

54 59.0 48.2 72.4



#25

Isophorone

Concen: 35.465 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133550.D

Acq: 31 May 2023 21:02

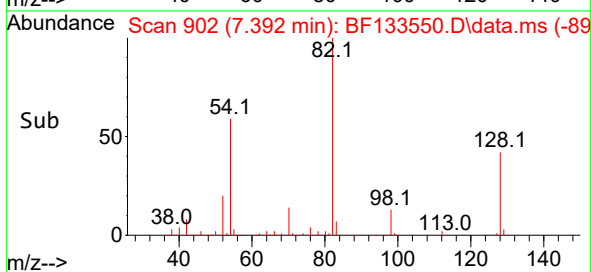
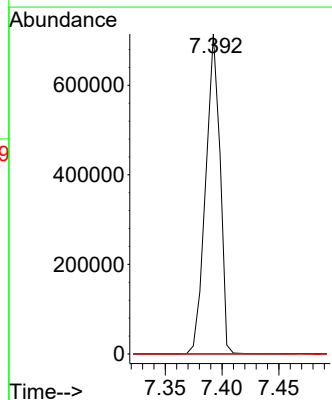
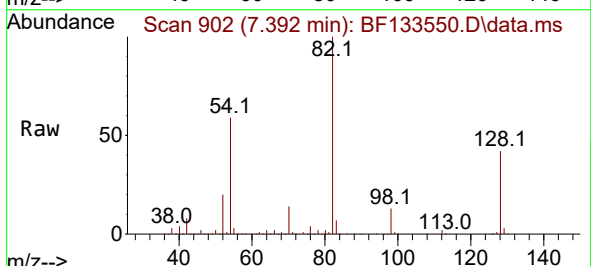
Tgt Ion: 82 Resp: 625671

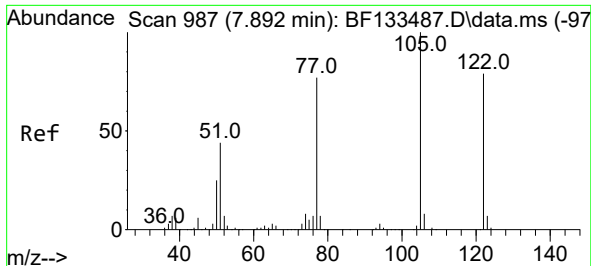
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

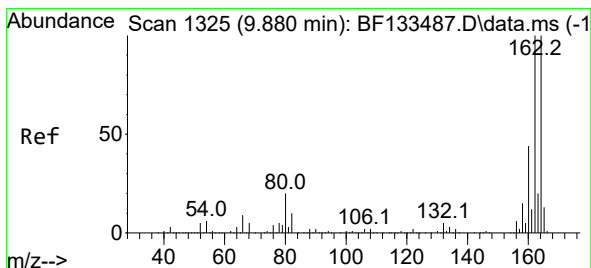
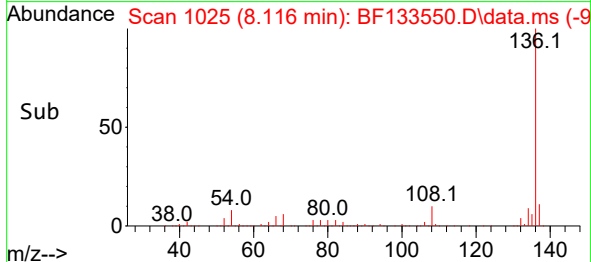
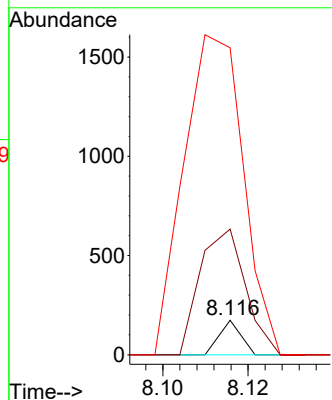
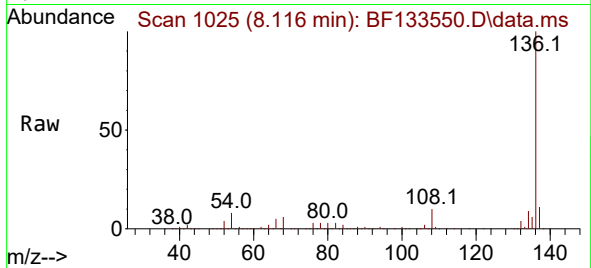




#32
Benzoic acid
Concen: 7.360 ng
RT: 8.116 min Scan# 10
Delta R.T. 0.235 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

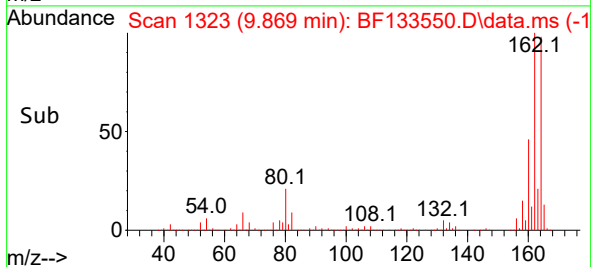
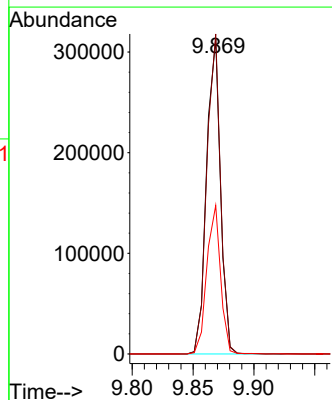
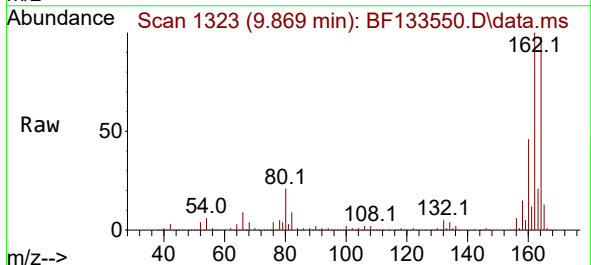
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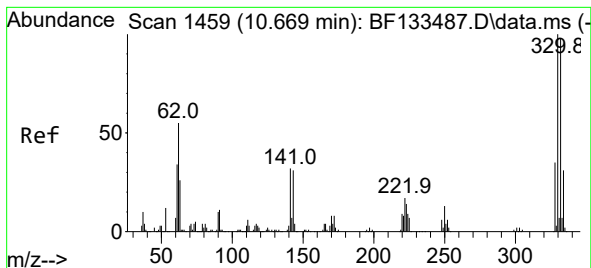
Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 363.8 103.3 143.3#
77 889.1 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

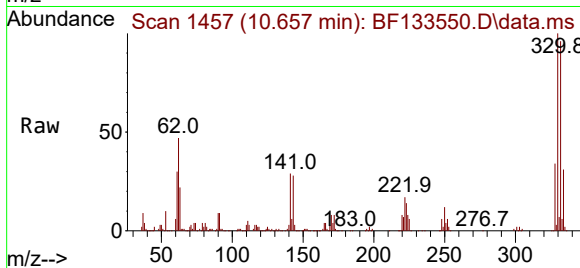
Tgt Ion:164 Resp: 248816
Ion Ratio Lower Upper
164 100
162 101.7 79.7 119.5
160 47.2 35.4 53.0



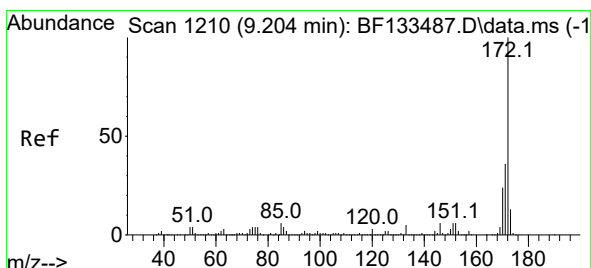
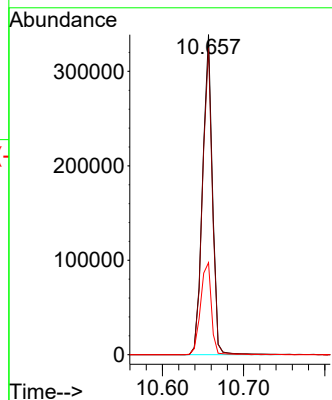
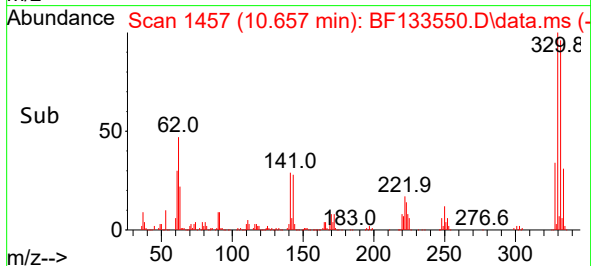


#42
2,4,6-Tribromophenol
Concen: 114.624 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

Instrument :
BNA_F
ClientSampleId :
FOUNDATION-TEST-PIT

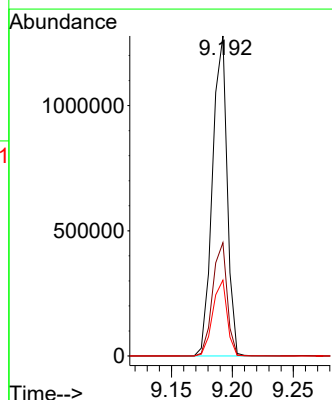
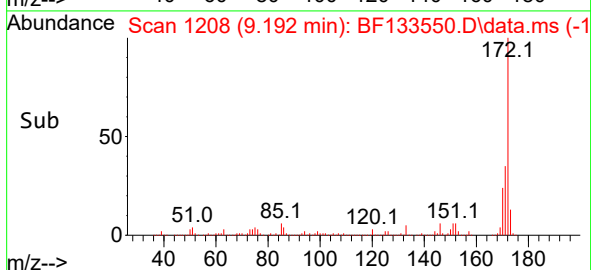
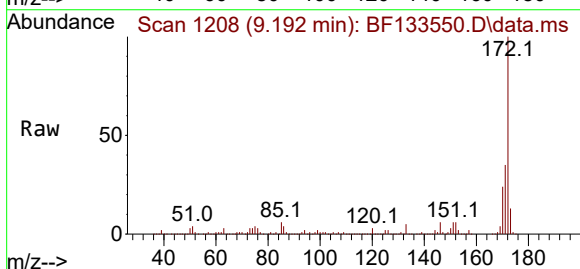


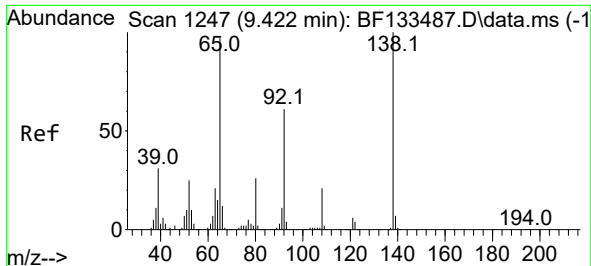
Tgt Ion:330 Resp: 284294
Ion Ratio Lower Upper
330 100
332 96.5 77.8 116.6
141 31.7 26.6 40.0



#45
2-Fluorobiphenyl
Concen: 66.637 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

Tgt Ion:172 Resp: 1074254
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.7 19.3 28.9





#48

2-Nitroaniline

Concen: 4.359 ng

RT: 9.192 min Scan# 11

Delta R.T. -0.224 min

Lab File: BF133550.D

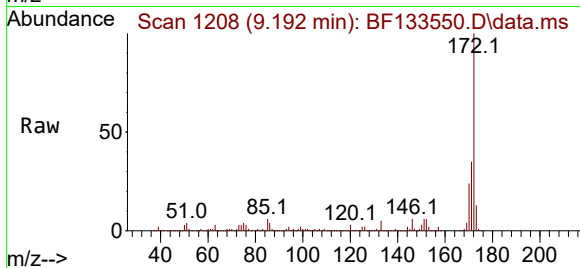
Acq: 31 May 2023 21:02

Instrument :

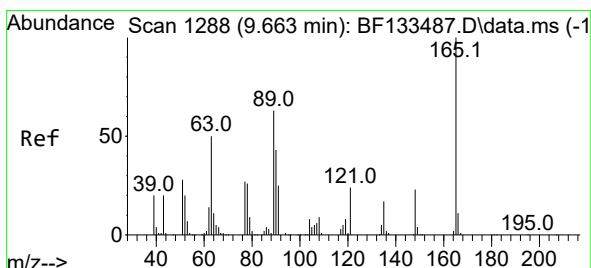
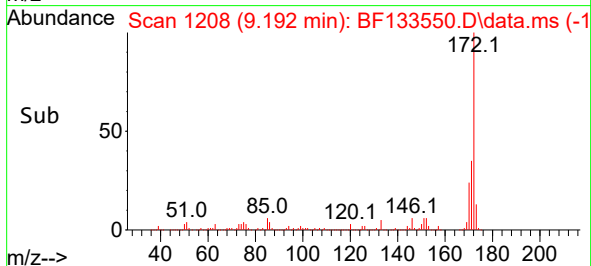
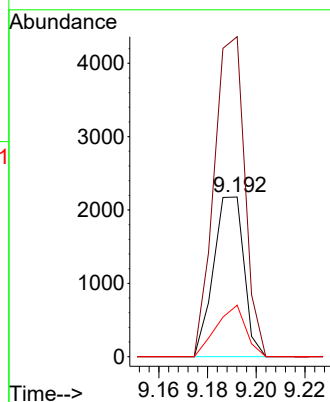
BNA_F

ClientSampleId :

FOUNDATION-TEST-PIT



Tgt Ion:	65	Resp:	1892
Ion Ratio	Lower	Upper	
65	100		
92	200.4	50.8	76.2#
138	32.3	82.6	124.0#



#51

2,6-Dinitrotoluene

Concen: 12.741 ng

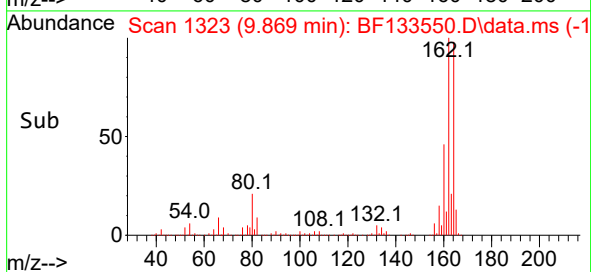
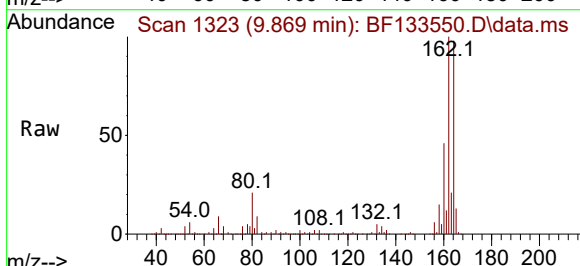
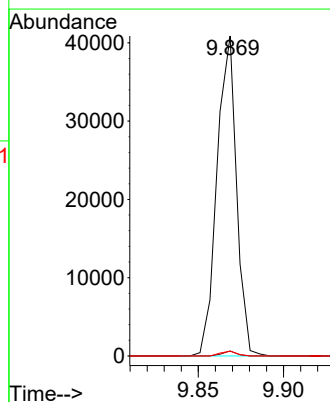
RT: 9.869 min Scan# 1323

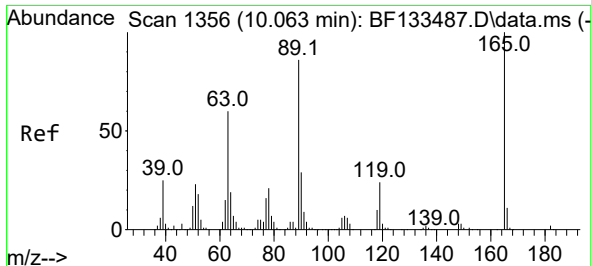
Delta R.T. 0.211 min

Lab File: BF133550.D

Acq: 31 May 2023 21:02

Tgt Ion:	165	Resp:	32621
Ion Ratio	Lower	Upper	
165	100		
63	1.5	57.0	85.4#
89	1.5	50.8	76.2#

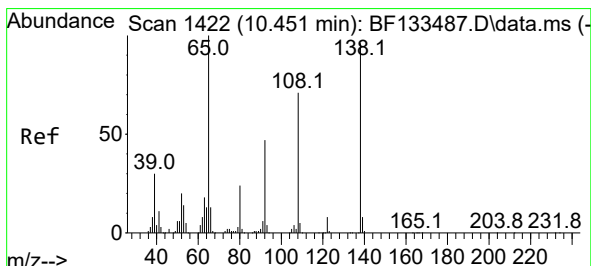
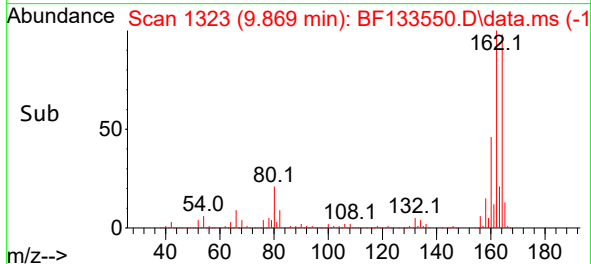
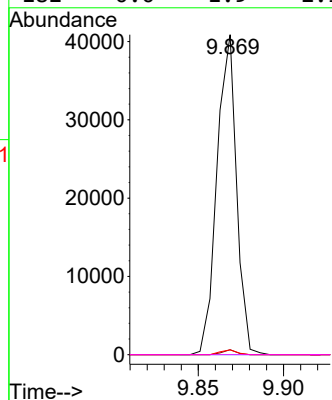
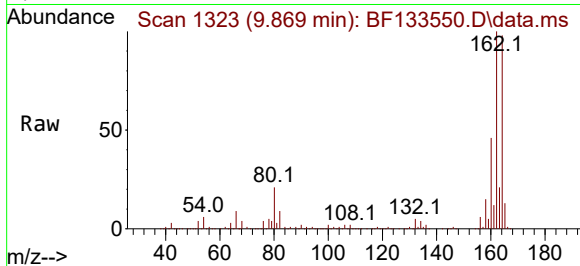




#57
2,4-Dinitrotoluene
Concen: 11.869 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

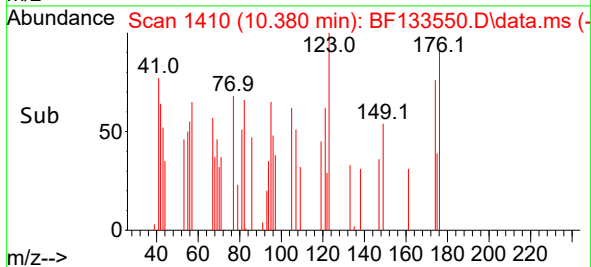
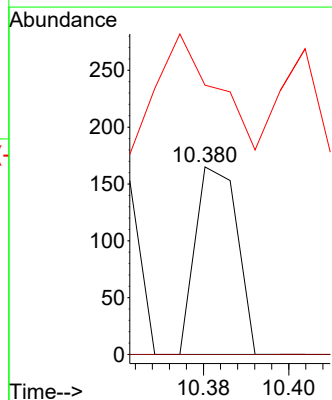
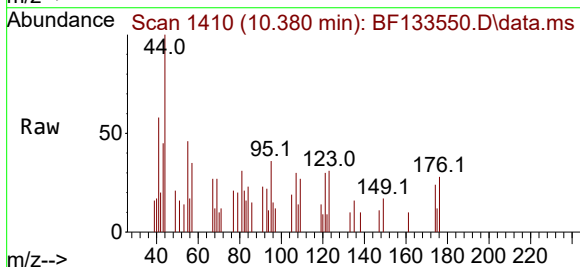
Instrument :
BNA_F
ClientSampleId :
FOUNDATION-TEST-PIT

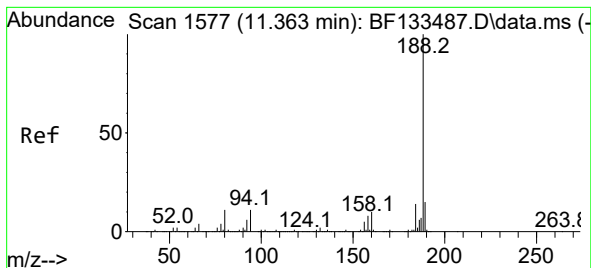
Tgt Ion:165 Resp: 32621
Ion Ratio Lower Upper
165 100
63 1.5 48.1 72.1#
89 1.5 68.4 102.6#
182 0.0 1.9 2.9#



#62
4-Nitroaniline
Concen: 3.010 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.059 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

Tgt Ion:138 Resp: 112
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 143.6 54.2 94.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133550.D

Acq: 31 May 2023 21:02

Instrument :

BNA_F

ClientSampleId :

FOUNDATION-TEST-PIT

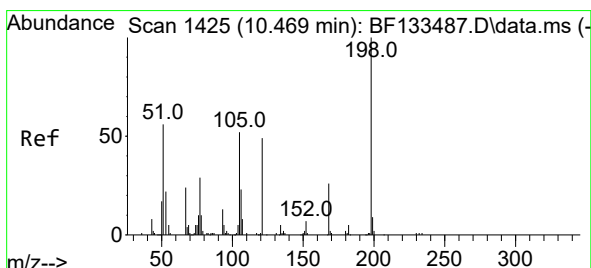
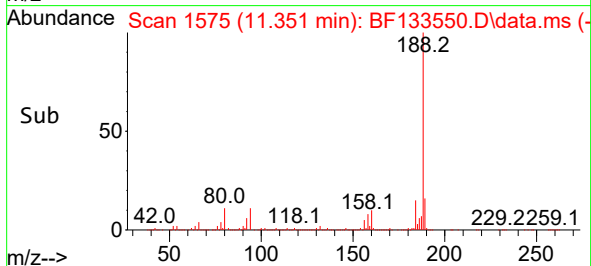
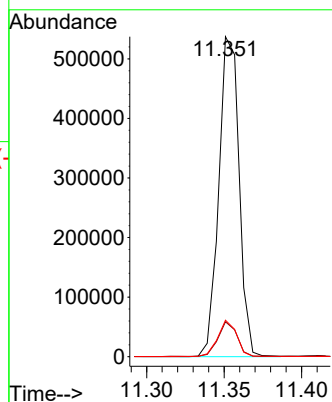
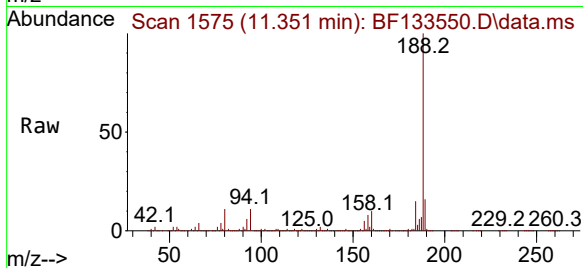
Tgt Ion:188 Resp: 490078

Ion Ratio Lower Upper

188 100

94 10.9 8.6 12.8

80 11.4 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.973 ng

RT: 10.657 min Scan# 1457

Delta R.T. 0.188 min

Lab File: BF133550.D

Acq: 31 May 2023 21:02

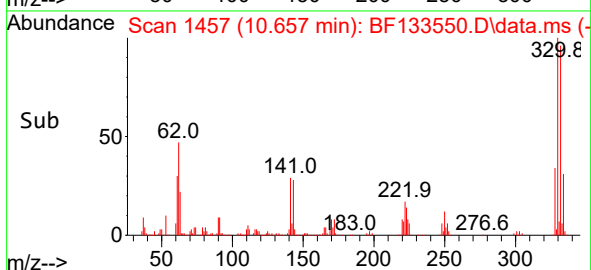
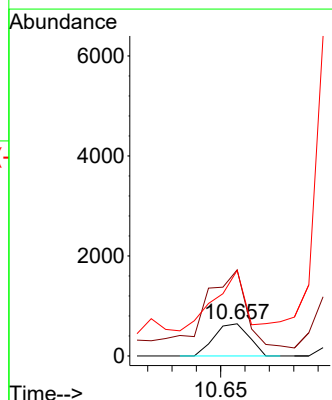
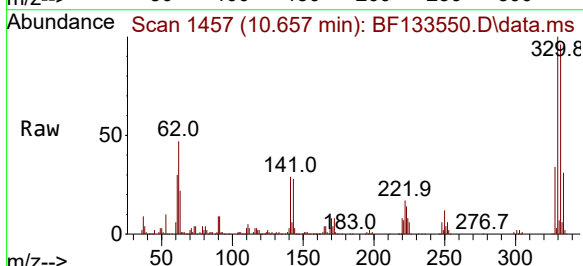
Tgt Ion:198 Resp: 640

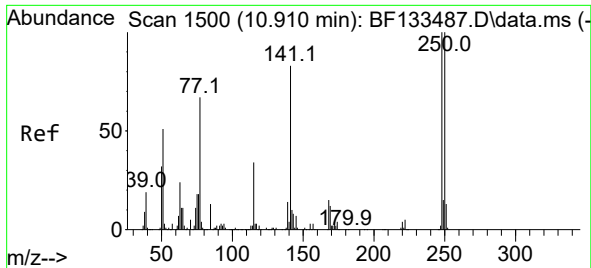
Ion Ratio Lower Upper

198 100

51 267.4 53.6 93.6#

105 266.0 35.9 75.9#

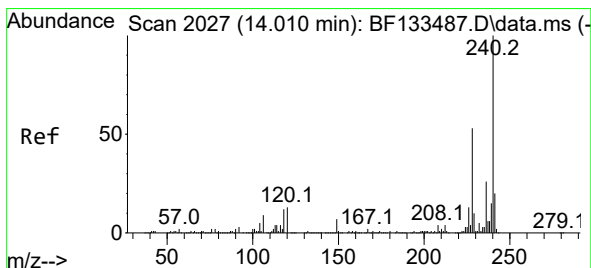
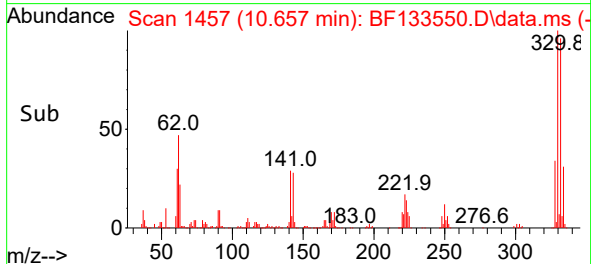
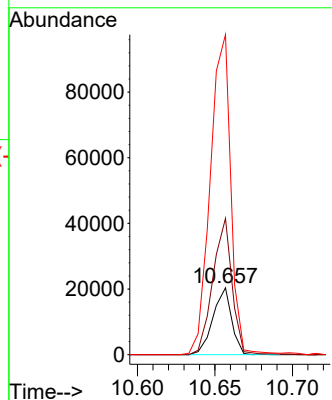
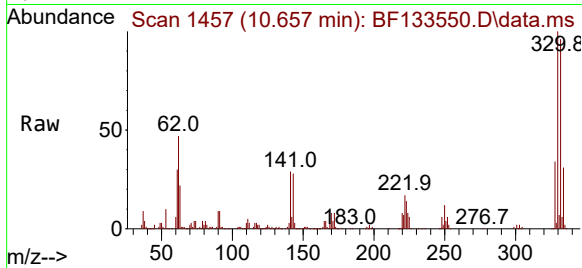




#67
4-Bromophenyl-phenylether
Concen: 3.292 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

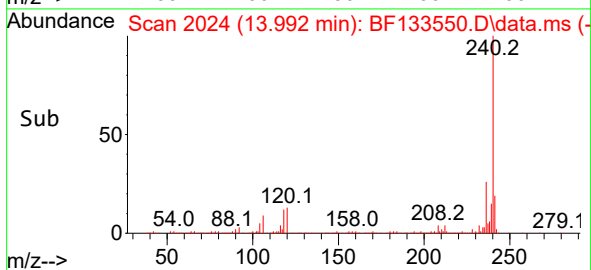
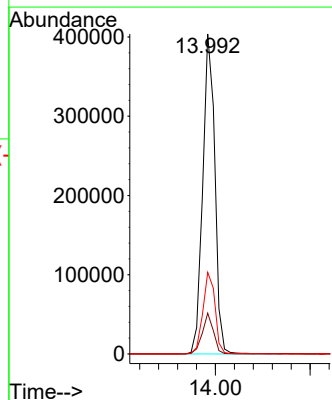
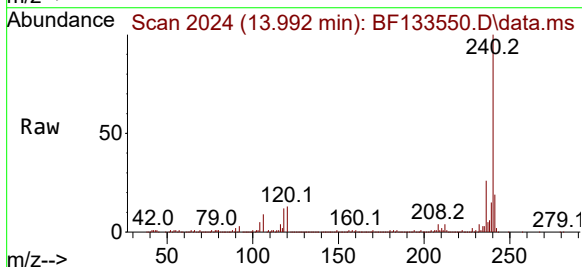
Instrument :
BNA_F
ClientSampleId :
FOUNDATION-TEST-PIT

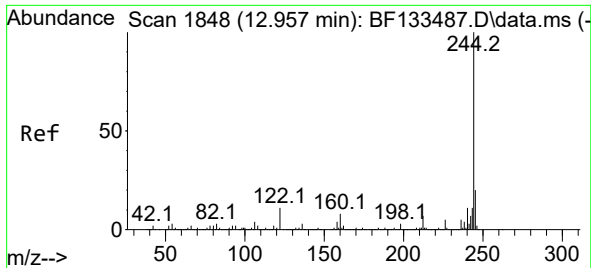
Tgt Ion:248 Resp: 17136
Ion Ratio Lower Upper
248 100
250 203.8 79.7 119.5#
141 478.4 66.6 100.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.012 min
Lab File: BF133550.D
Acq: 31 May 2023 21:02

Tgt Ion:240 Resp: 359738
Ion Ratio Lower Upper
240 100
120 12.8 10.3 15.5
236 25.5 20.5 30.7

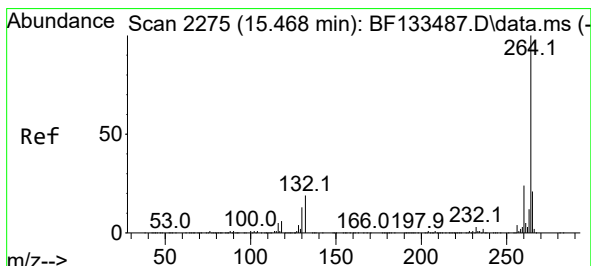
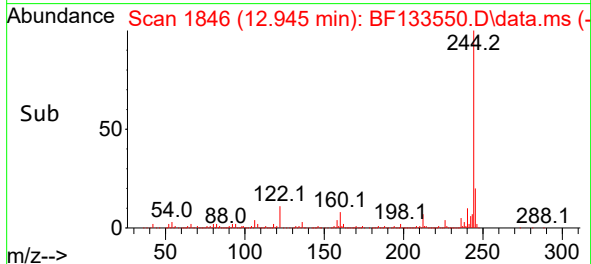
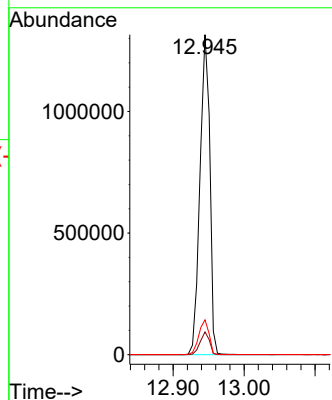
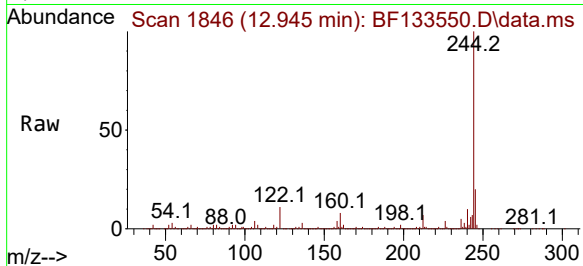




#79
 Terphenyl-d14
 Concen: 62.847 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.006 min
 Lab File: BF133550.D
 Acq: 31 May 2023 21:02

Instrument :
 BNA_F
 ClientSampleId :
 FOUNDATION-TEST-PIT

Tgt Ion:244 Resp: 1271587
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 10.9 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: BF133550.D
 Acq: 31 May 2023 21:02

Tgt Ion:264 Resp: 296320
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.0 28.4
 265 21.0 16.8 25.2

