

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032124\
 Data File : BF137663.D
 Acq On : 21 Mar 2024 16:27
 Operator : CG\JU
 Sample : P1803-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-PIT

Quant Time: Mar 21 16:58:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

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

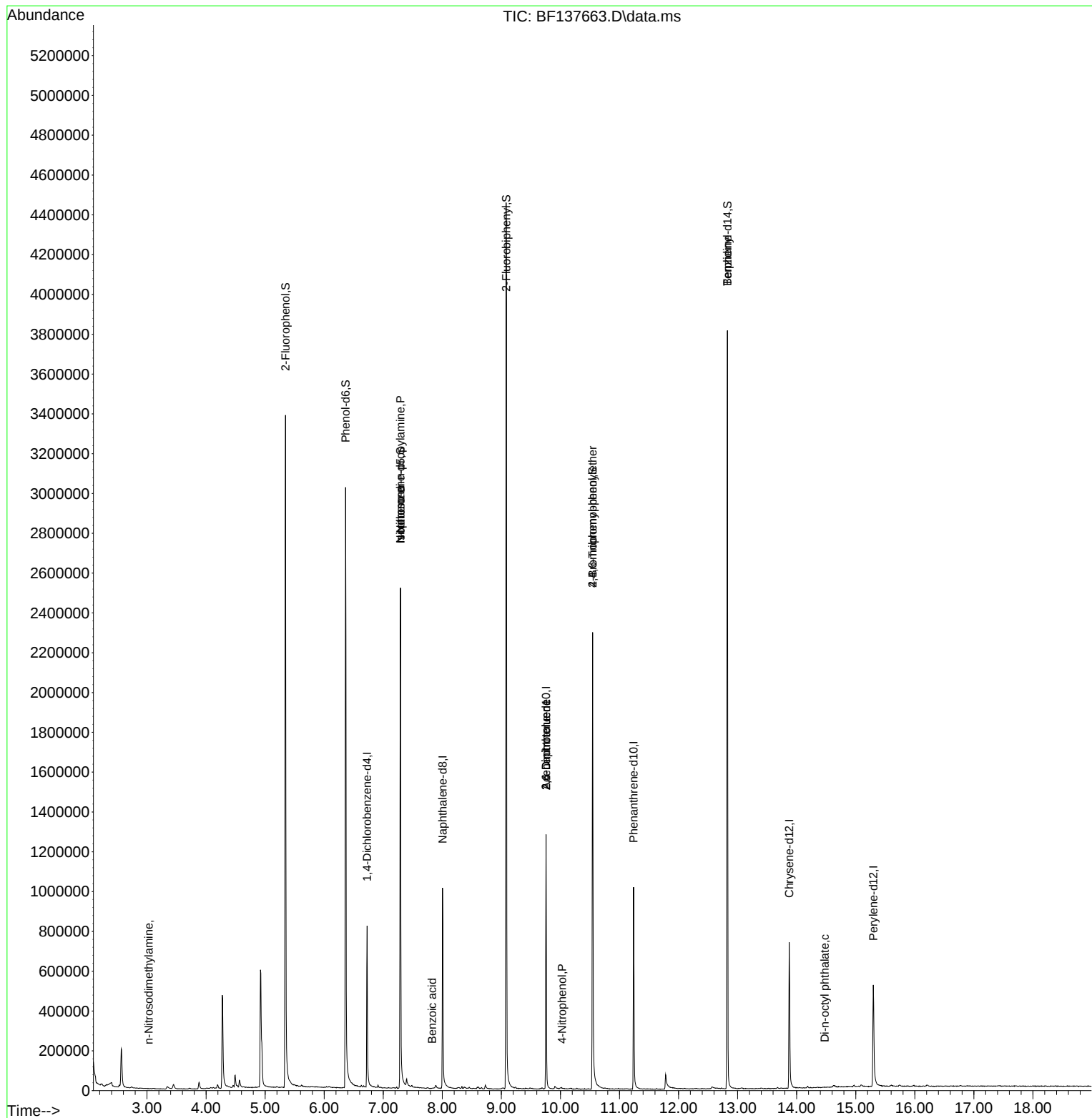
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	126470	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	482042	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	250370	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	375418	20.000	ng	0.00
76) Chrysene-d12	13.874	240	271064	20.000	ng	0.00
86) Perylene-d12	15.298	264	269614	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1005928	120.465	ng	0.01
7) Phenol-d6	6.363	99	1199804	99.539	ng	0.00
23) Nitrobenzene-d5	7.292	82	881076	84.927	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	291697	132.669	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1474179	92.169	ng	0.00
79) Terphenyl-d14	12.827	244	1341138	68.036	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.028	42	66	3.822	ng	# 2
19) n-Nitroso-di-n-propyla...	7.292	70	112975	15.178	ng	# 77
25) Isophorone	7.292	82	881070	44.702	ng	# 70
32) Benzoic acid	7.828	122	171	6.332	ng	# 22
51) 2,6-Dinitrotoluene	9.757	165	32549	8.929	ng	# 21
56) 4-Nitrophenol	10.028	139	63	4.548	ng	# 21
57) 2,4-Dinitrotoluene	9.757	165	32622	7.284	ng	# 21
67) 4-Bromophenyl-phenylether	10.545	248	18360	4.490	ng	# 1
77) Benzidine	12.827	184	15633	2.357	ng	# 91
85) Di-n-octyl phthalate	14.474	149	136	5.614	ng	# 1

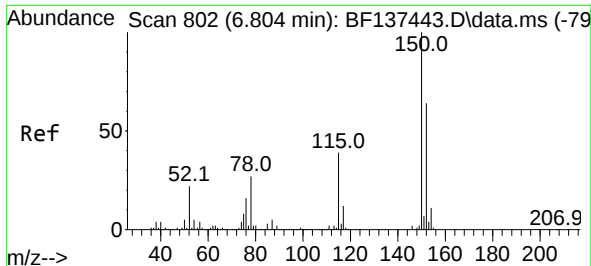
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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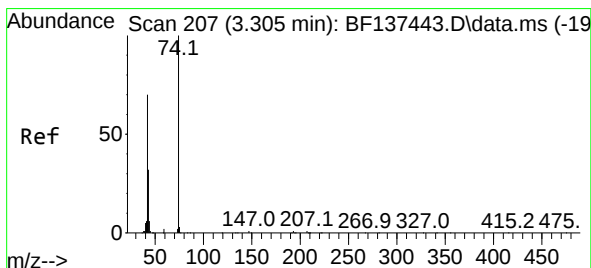
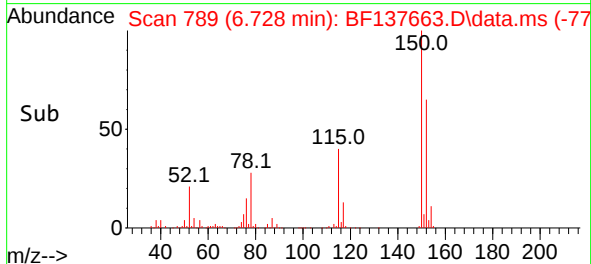
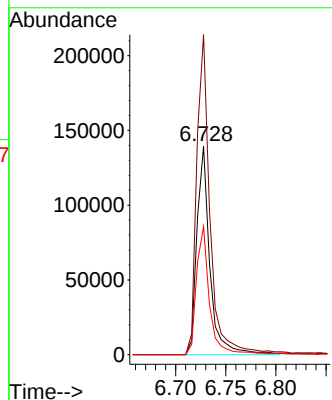
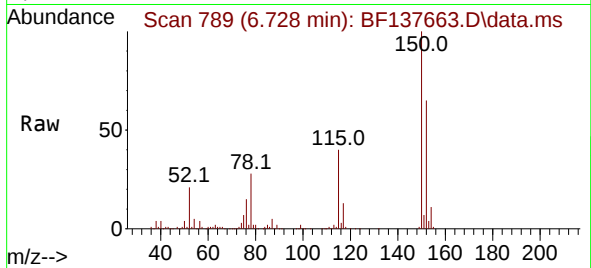




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

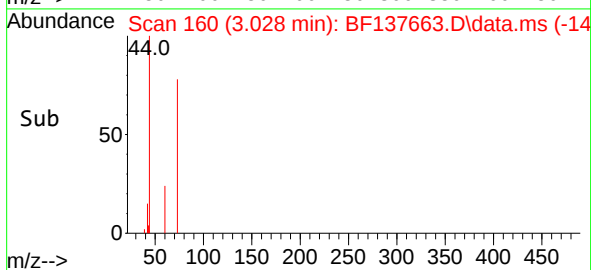
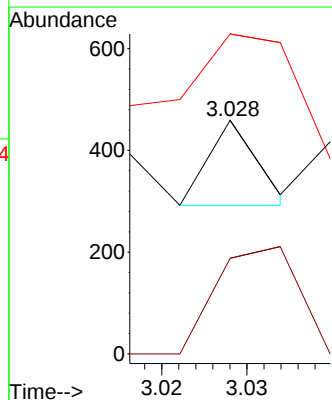
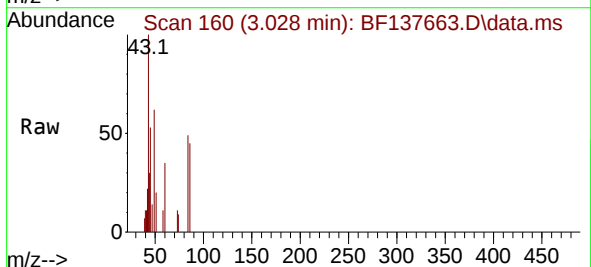
Instrument :
BNA_F
ClientSampleId :
TRENCH-PIT

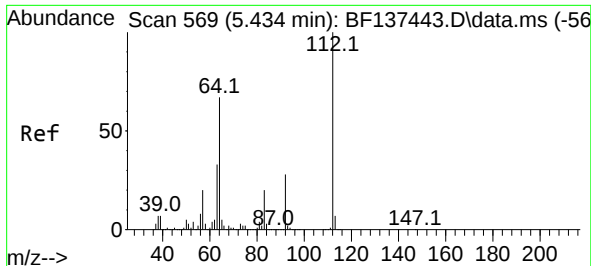
Tgt Ion:152 Resp: 126470
Ion Ratio Lower Upper
152 100
150 153.3 125.8 188.6
115 61.4 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.822 ng
RT: 3.028 min Scan# 160
Delta R.T. -0.012 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

Tgt Ion: 42 Resp: 66
Ion Ratio Lower Upper
42 100
74 41.0 114.0 171.0#
44 137.0 7.0 10.4#

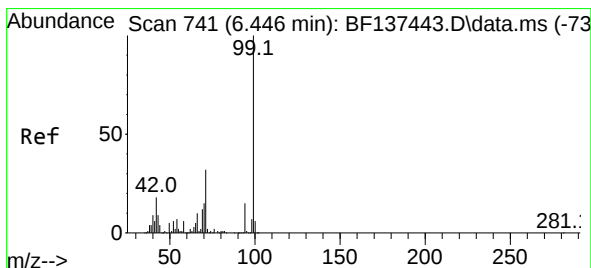
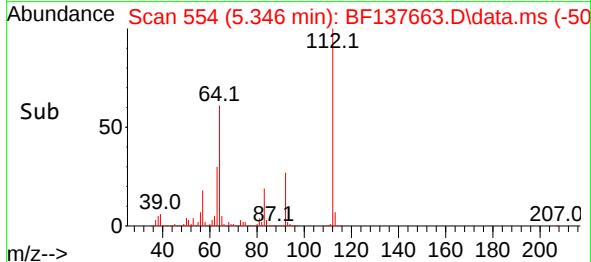
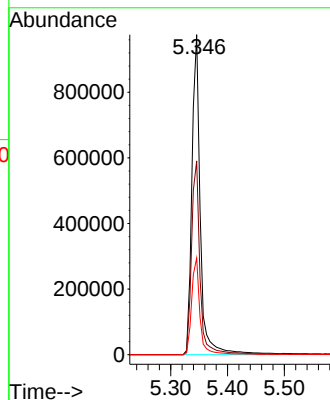
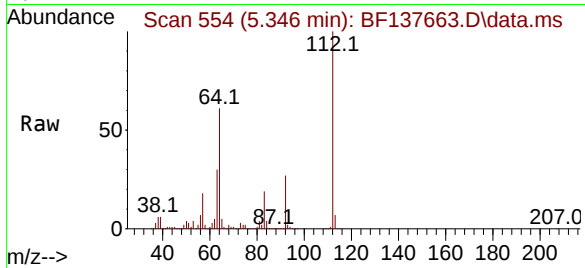




#5
2-Fluorophenol
Concen: 120.465 ng
RT: 5.346 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

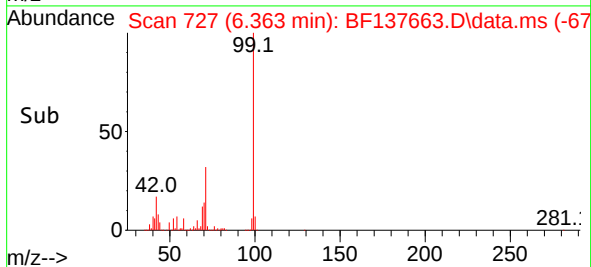
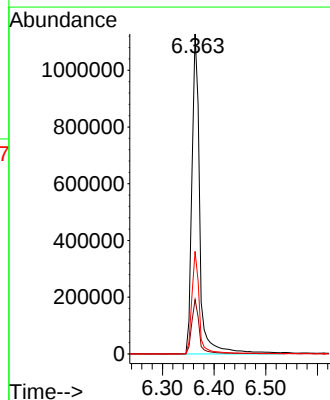
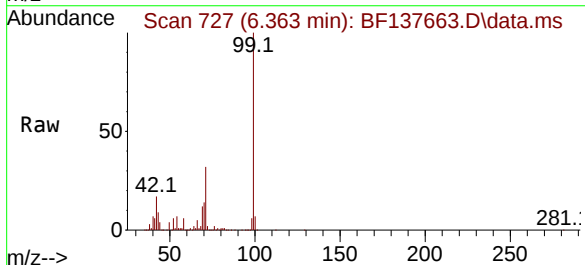
Instrument :
BNA_F
ClientSampleId :
TRENCH-PIT

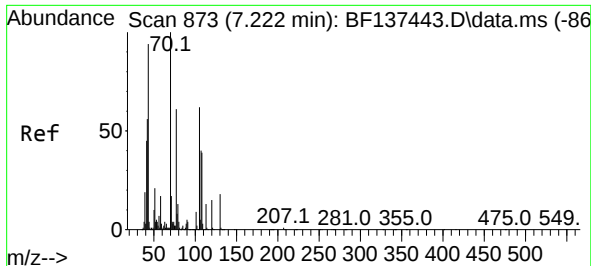
Tgt Ion:112 Resp: 1005928
Ion Ratio Lower Upper
112 100
64 60.6 53.4 80.2
63 30.2 26.2 39.2



#7
Phenol-d6
Concen: 99.539 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

Tgt Ion: 99 Resp: 1199804
Ion Ratio Lower Upper
99 100
42 17.0 14.6 21.8
71 32.0 25.3 37.9



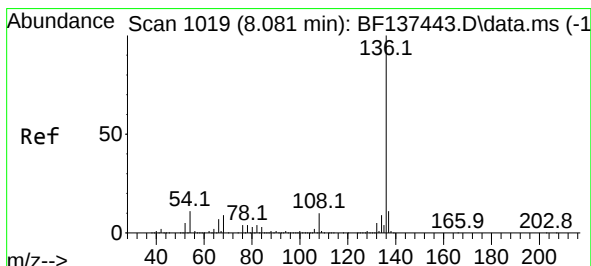
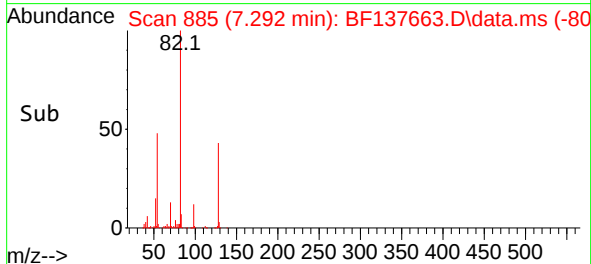
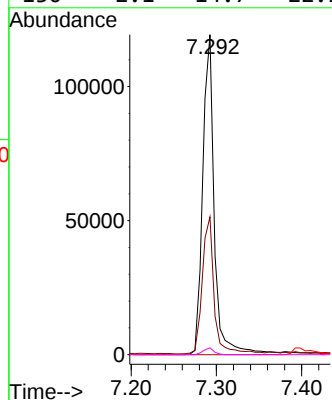
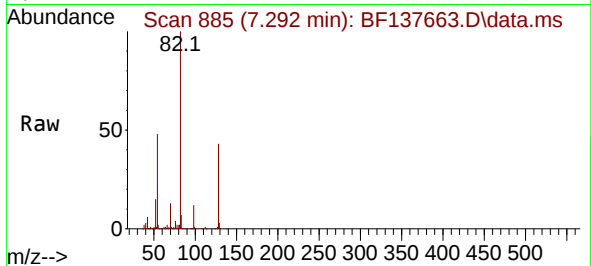


#19
n-Nitroso-di-n-propylamine
Concen: 15.178 ng
RT: 7.292 min Scan# 81
Delta R.T. 0.147 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

Instrument :
BNA_F
ClientSampleId :
TRENCH-PIT

Tgt Ion: 70 Resp: 112975

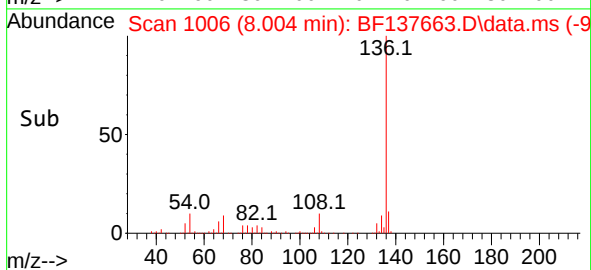
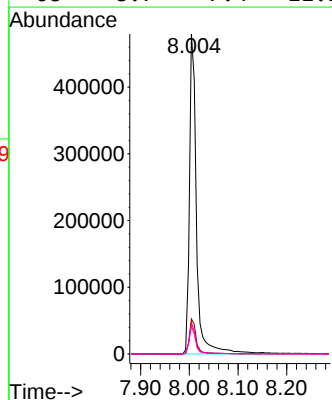
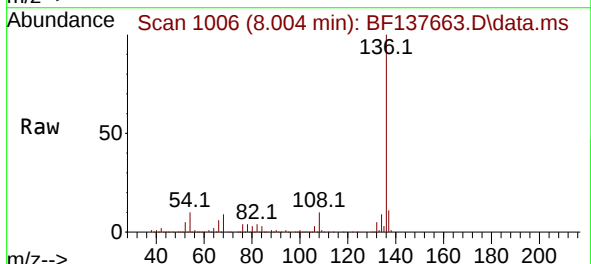
Ion	Ratio	Lower	Upper
70	100		
42	43.0	45.2	67.8#
101	0.0	7.3	10.9#
130	2.1	14.7	22.1#

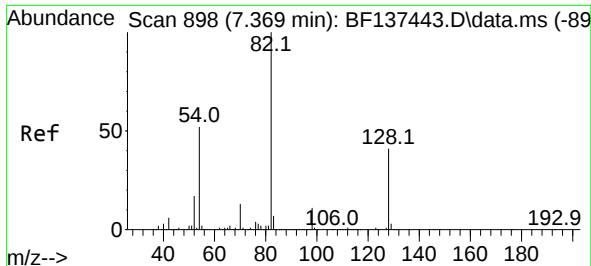


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

Tgt Ion: 136 Resp: 482042

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	9.8	8.5	12.7
68	8.7	7.4	11.2





#23

Nitrobenzene-d5

Concen: 84.927 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF137663.D

Acq: 21 Mar 2024 16:27

Instrument :

BNA_F

ClientSampleId :

TRENCH-PIT

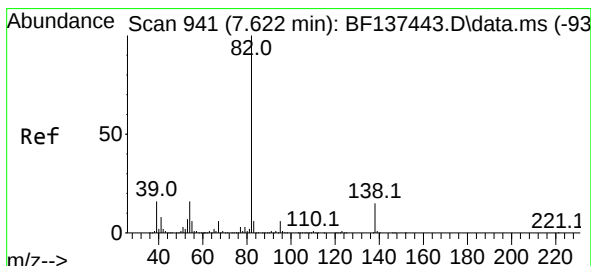
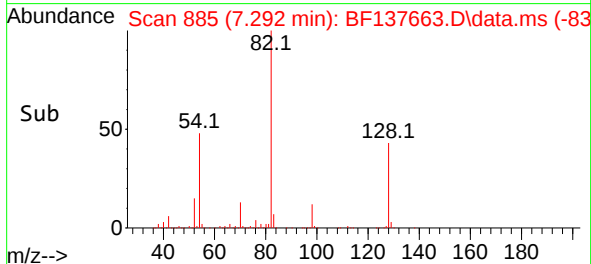
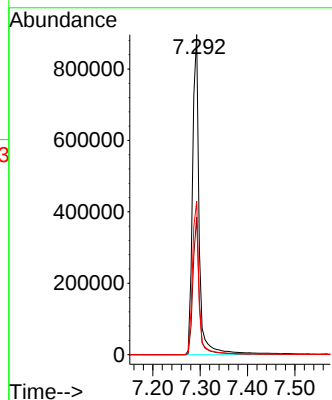
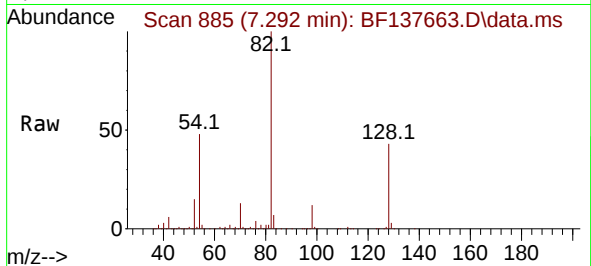
Tgt Ion: 82 Resp: 881076

Ion Ratio Lower Upper

82 100

128 43.1 32.5 48.7

54 48.0 41.5 62.3



#25

Isophorone

Concen: 44.702 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.259 min

Lab File: BF137663.D

Acq: 21 Mar 2024 16:27

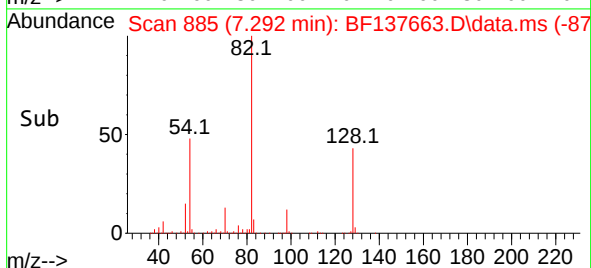
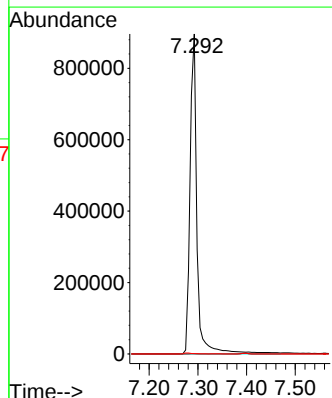
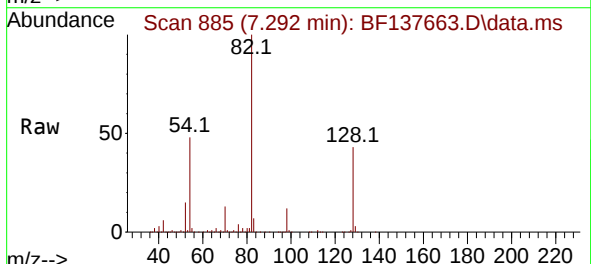
Tgt Ion: 82 Resp: 881070

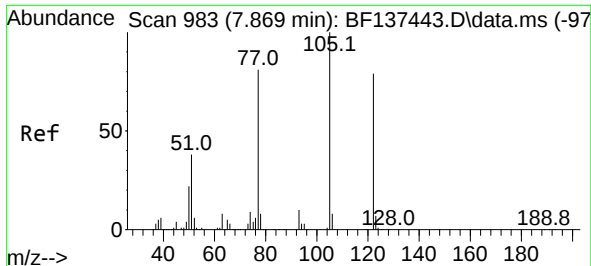
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.1 11.8 17.8#

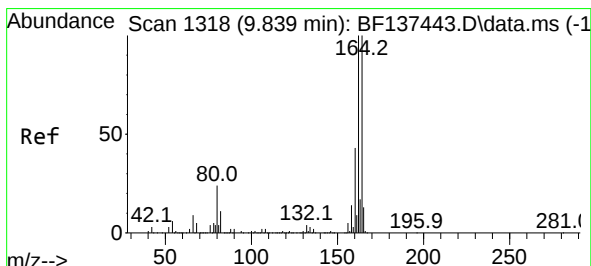
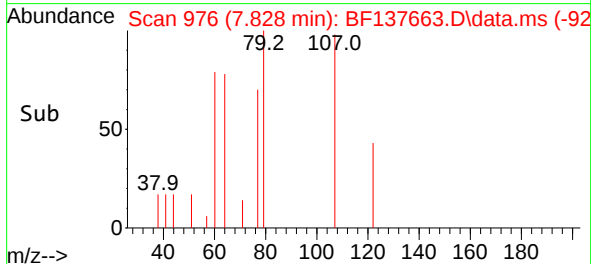
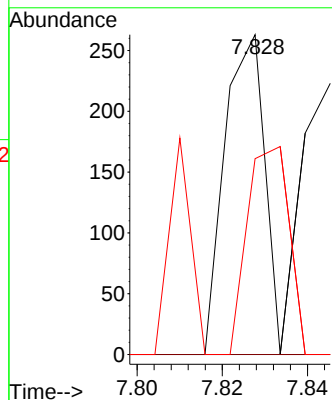
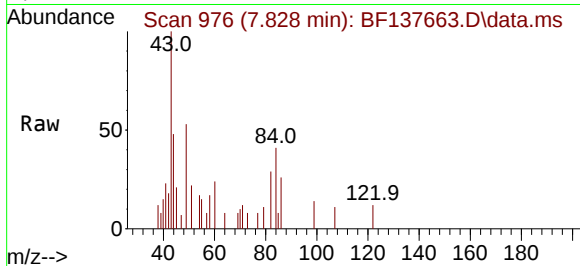




#32
Benzoic acid
Concen: 6.332 ng
RT: 7.828 min Scan# 91
Delta R.T. 0.029 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

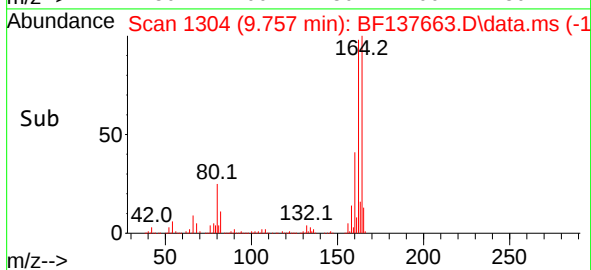
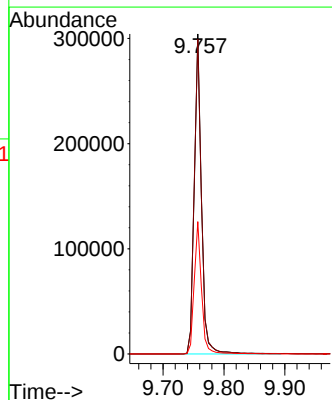
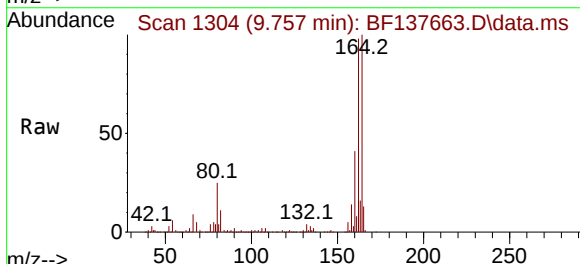
Instrument :
BNA_F
ClientSampleId :
TRENCH-PIT

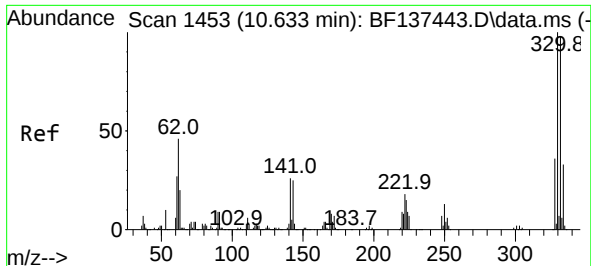
Tgt Ion:122 Resp: 171
Ion Ratio Lower Upper
122 100
105 0.0 102.4 142.4#
77 61.2 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

Tgt Ion:164 Resp: 250370
Ion Ratio Lower Upper
164 100
162 98.3 79.8 119.8
160 41.3 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 132.669 ng

RT: 10.545 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF137663.D

Acq: 21 Mar 2024 16:27

Instrument :

BNA_F

ClientSampleId :

TRENCH-PIT

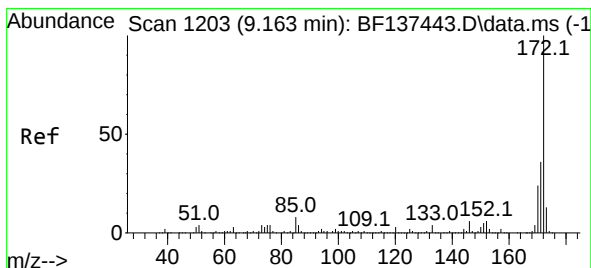
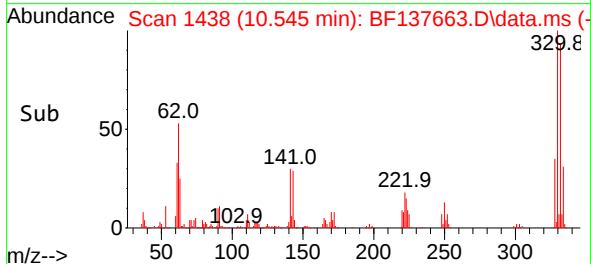
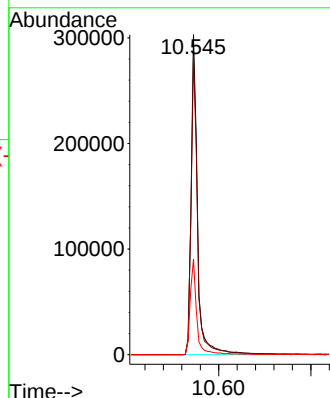
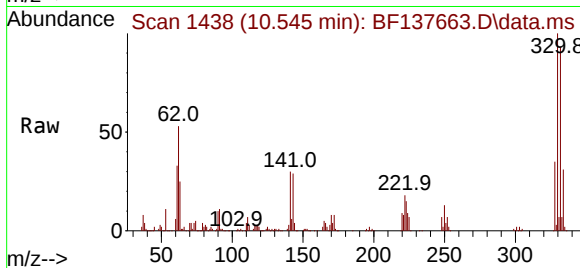
Tgt Ion:330 Resp: 291697

Ion Ratio Lower Upper

330 100

332 94.1 78.0 117.0

141 30.7 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 92.169 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF137663.D

Acq: 21 Mar 2024 16:27

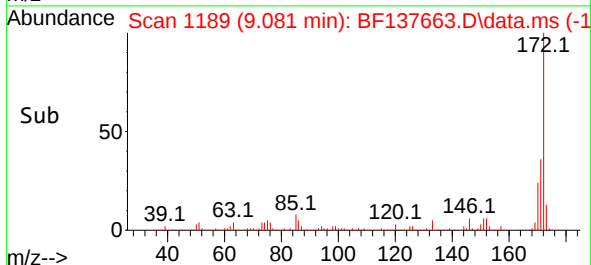
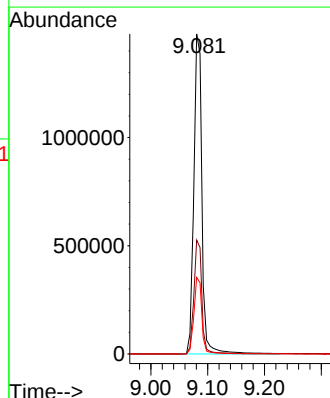
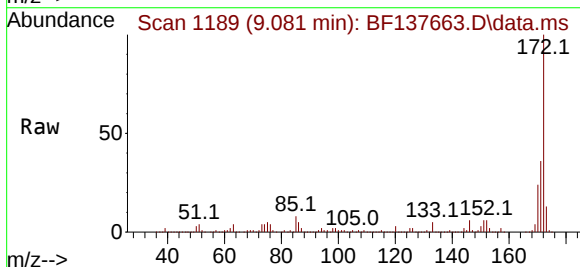
Tgt Ion:172 Resp: 1474179

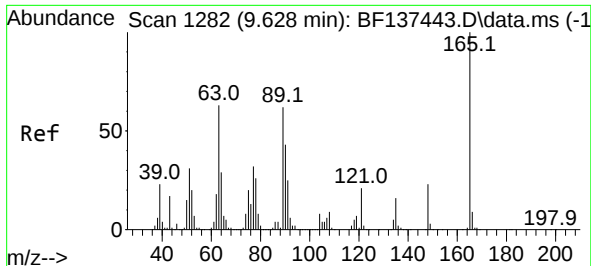
Ion Ratio Lower Upper

172 100

171 35.6 28.5 42.7

170 23.9 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.929 ng

RT: 9.757 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF137663.D

Acq: 21 Mar 2024 16:27

Instrument :

BNA_F

ClientSampleId :

TRENCH-PIT

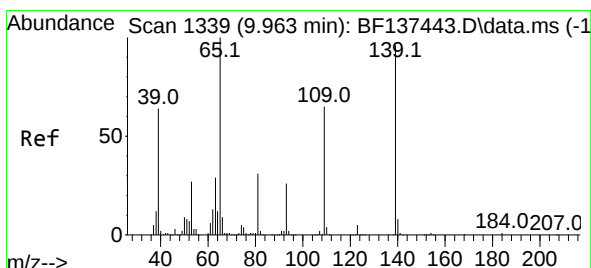
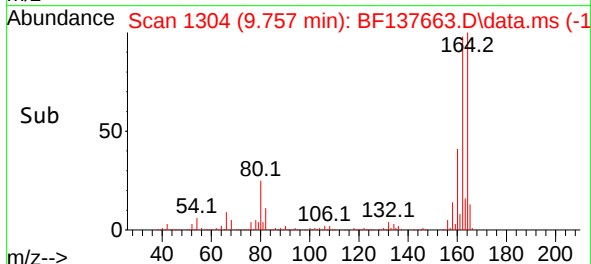
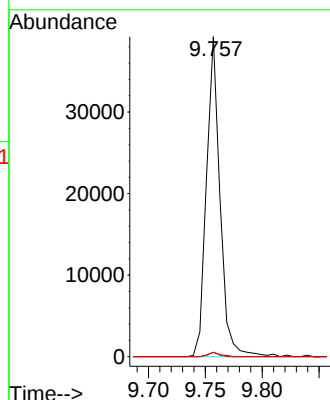
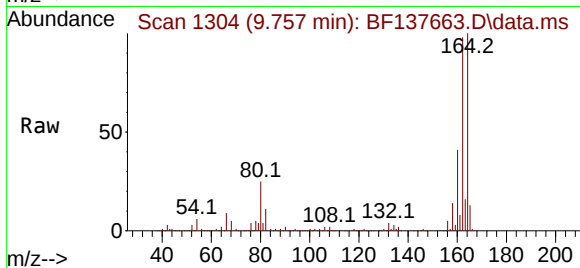
Tgt Ion:165 Resp: 32549

Ion Ratio Lower Upper

165 100

63 1.3 50.7 76.1#

89 1.4 50.0 75.0#



#56

4-Nitrophenol

Concen: 4.548 ng

RT: 10.028 min Scan# 1350

Delta R.T. 0.141 min

Lab File: BF137663.D

Acq: 21 Mar 2024 16:27

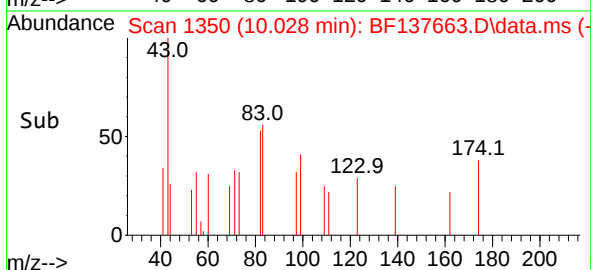
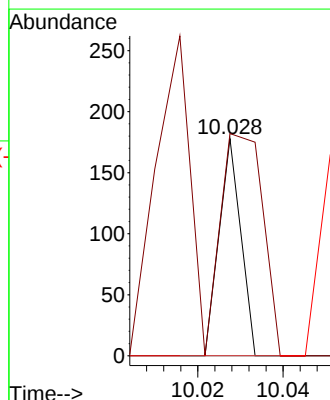
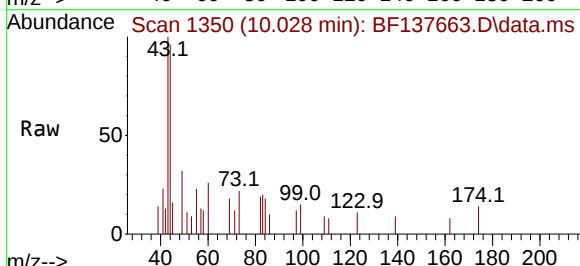
Tgt Ion:139 Resp: 63

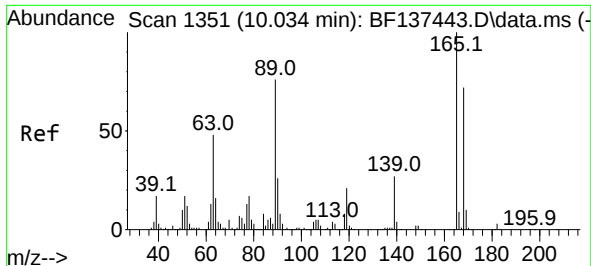
Ion Ratio Lower Upper

139 100

109 102.2 47.1 87.1#

65 0.0 85.1 125.1#

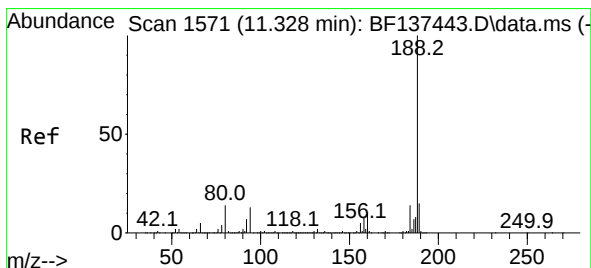
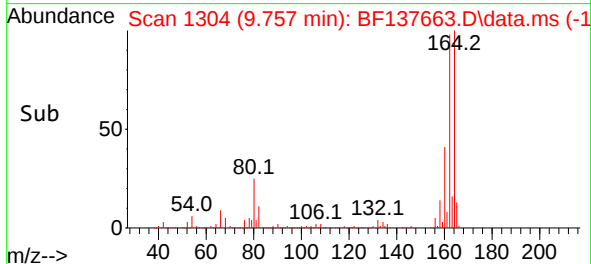
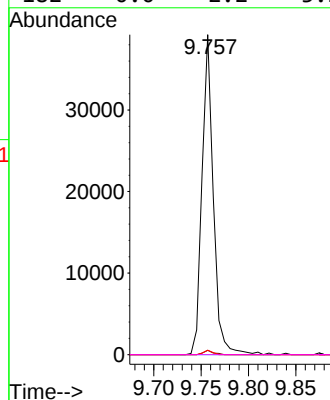
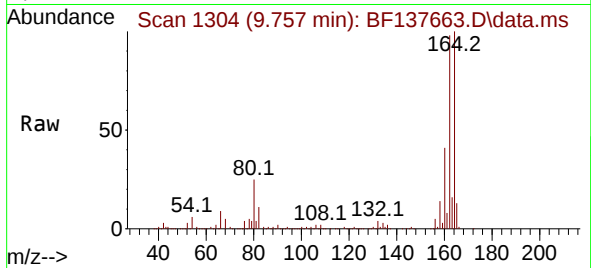




#57
2,4-Dinitrotoluene
Concen: 7.284 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

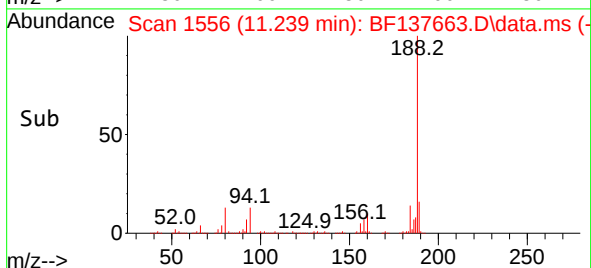
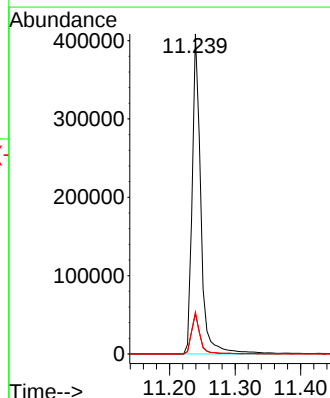
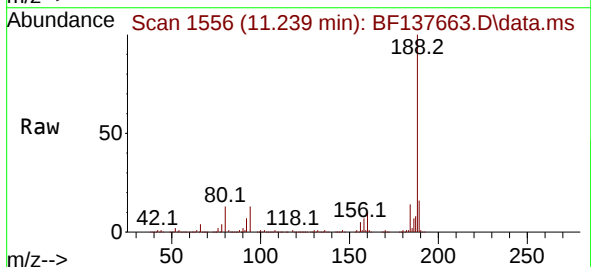
Instrument :
BNA_F
ClientSampleId :
TRENCH-PIT

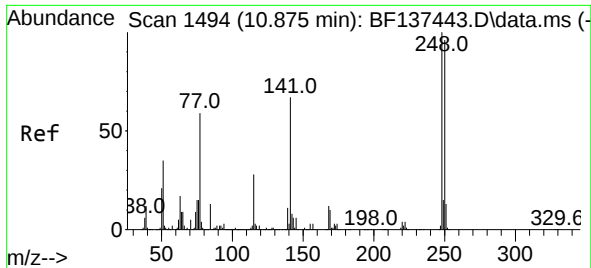
Tgt Ion:165 Resp: 32622
Ion Ratio Lower Upper
165 100
63 1.3 39.0 58.6#
89 1.4 60.9 91.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

Tgt Ion:188 Resp: 375418
Ion Ratio Lower Upper
188 100
94 12.5 10.6 15.8
80 13.2 11.5 17.3

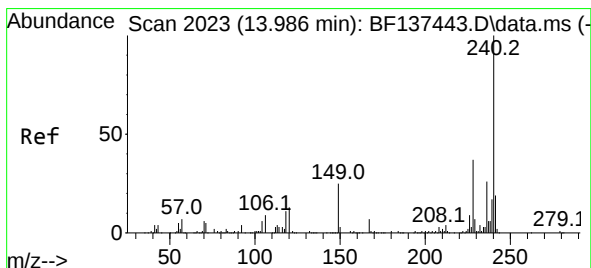
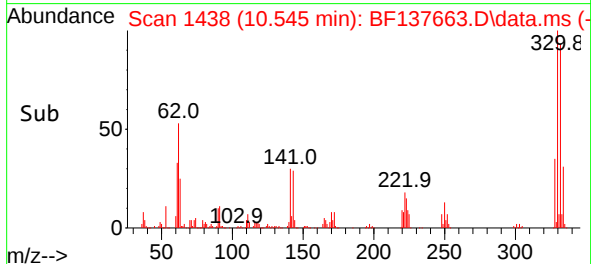
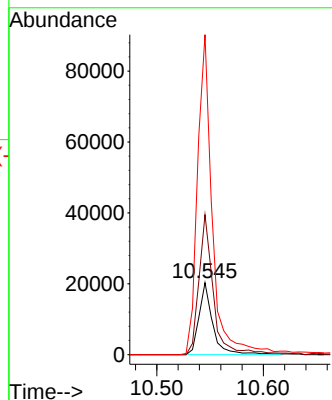
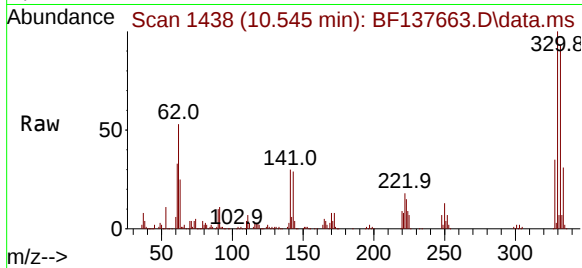




#67
4-Bromophenyl-phenylether
Concen: 4.490 ng
RT: 10.545 min Scan# 1494
Delta R.T. -0.247 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

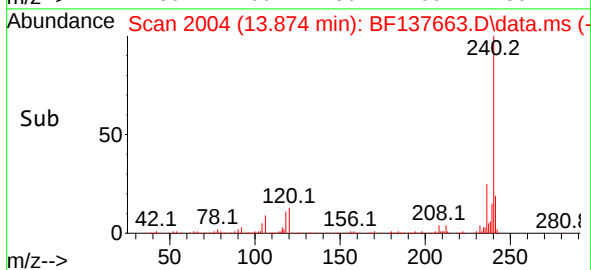
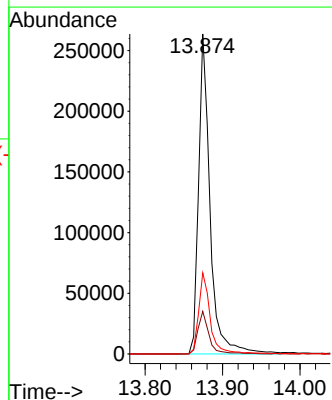
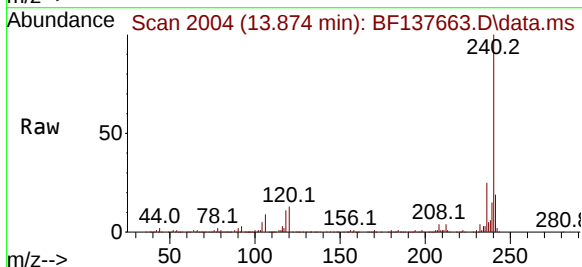
Instrument :
BNA_F
ClientSampleId :
TRENCH-PIT

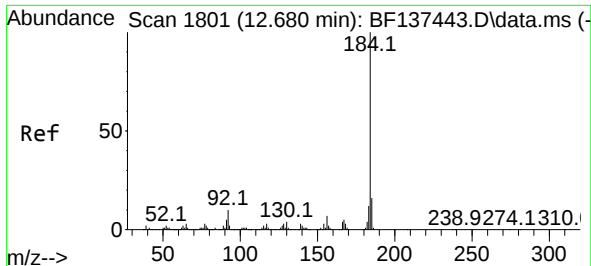
Tgt Ion:248 Resp: 18360
Ion Ratio Lower Upper
248 100
250 194.5 76.8 115.2#
141 444.5 53.4 80.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.000 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

Tgt Ion:240 Resp: 271064
Ion Ratio Lower Upper
240 100
120 13.3 10.4 15.6
236 25.3 20.9 31.3

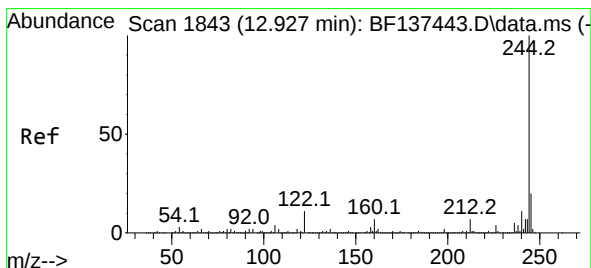
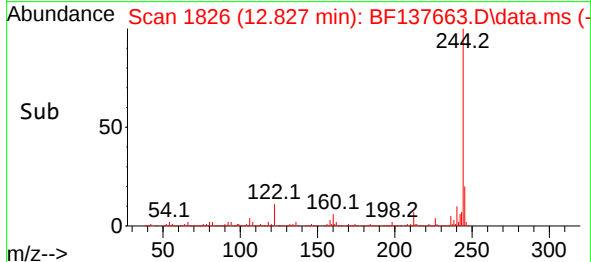
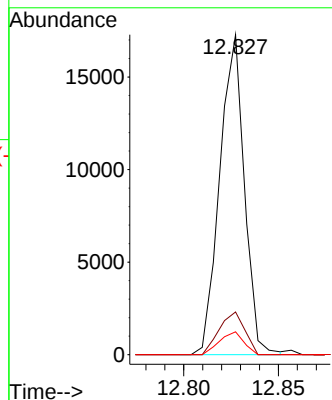
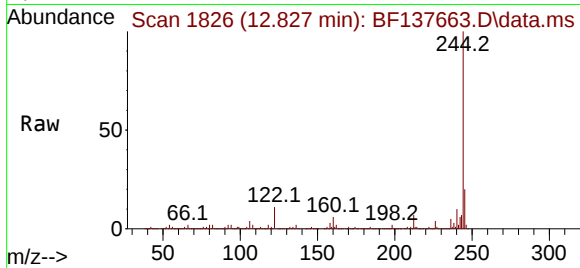




#77
Benzidine
Concen: 2.357 ng
RT: 12.827 min Scan# 1826
Delta R.T. 0.247 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

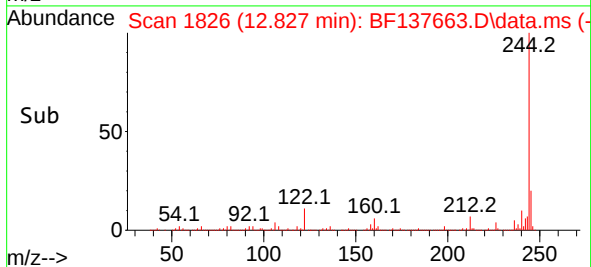
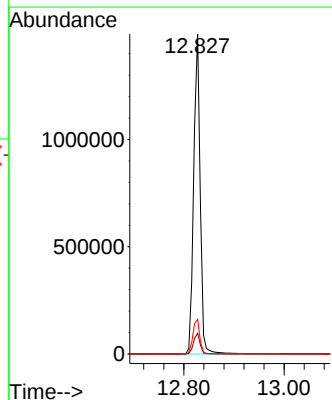
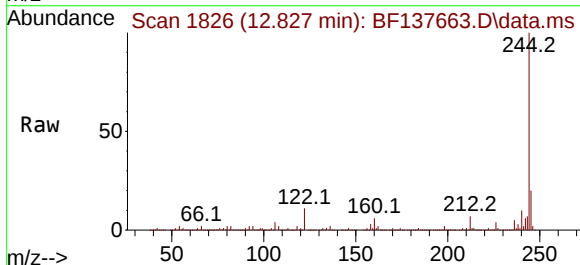
Instrument :
BNA_F
ClientSampleId :
TRENCH-PIT

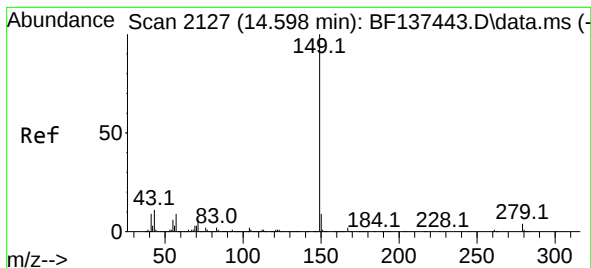
Tgt Ion:184 Resp: 15633
Ion Ratio Lower Upper
184 100
185 13.4 13.2 19.8
183 7.1 9.3 13.9#



#79
Terphenyl-d14
Concen: 68.036 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF137663.D
Acq: 21 Mar 2024 16:27

Tgt Ion:244 Resp: 1341138
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 10.8 9.1 13.7





#85

Di-n-octyl phthalate

Concen: 5.614 ng

RT: 14.474 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF137663.D

Acq: 21 Mar 2024 16:27

Instrument :

BNA_F

ClientSampleId :

TRENCH-PIT

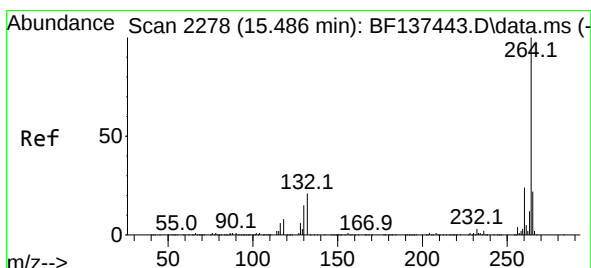
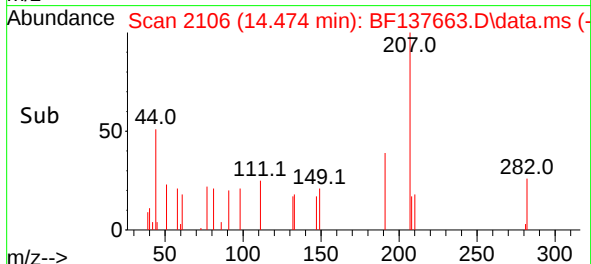
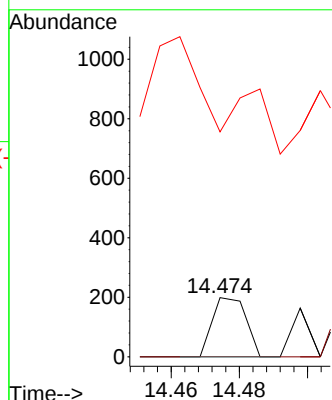
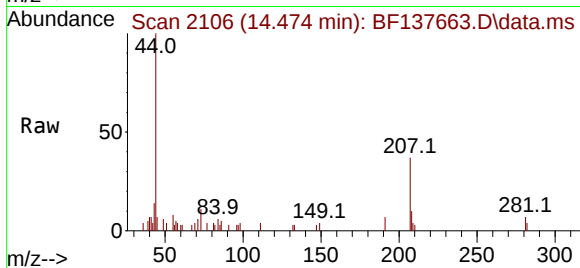
Tgt Ion:149 Resp: 136

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 197.1 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 2246

Delta R.T. -0.000 min

Lab File: BF137663.D

Acq: 21 Mar 2024 16:27

Tgt Ion:264 Resp: 269614

Ion Ratio Lower Upper

264 100

260 23.4 19.3 28.9

265 21.0 17.4 26.0

