

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022423\
 Data File : BF132541.D
 Acq On : 24 Feb 2023 14:13
 Operator : CG\JU
 Sample : 01671-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T5-1

Quant Time: Feb 24 15:07:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 23 00:59:42 2023
 Response via : Initial Calibration

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

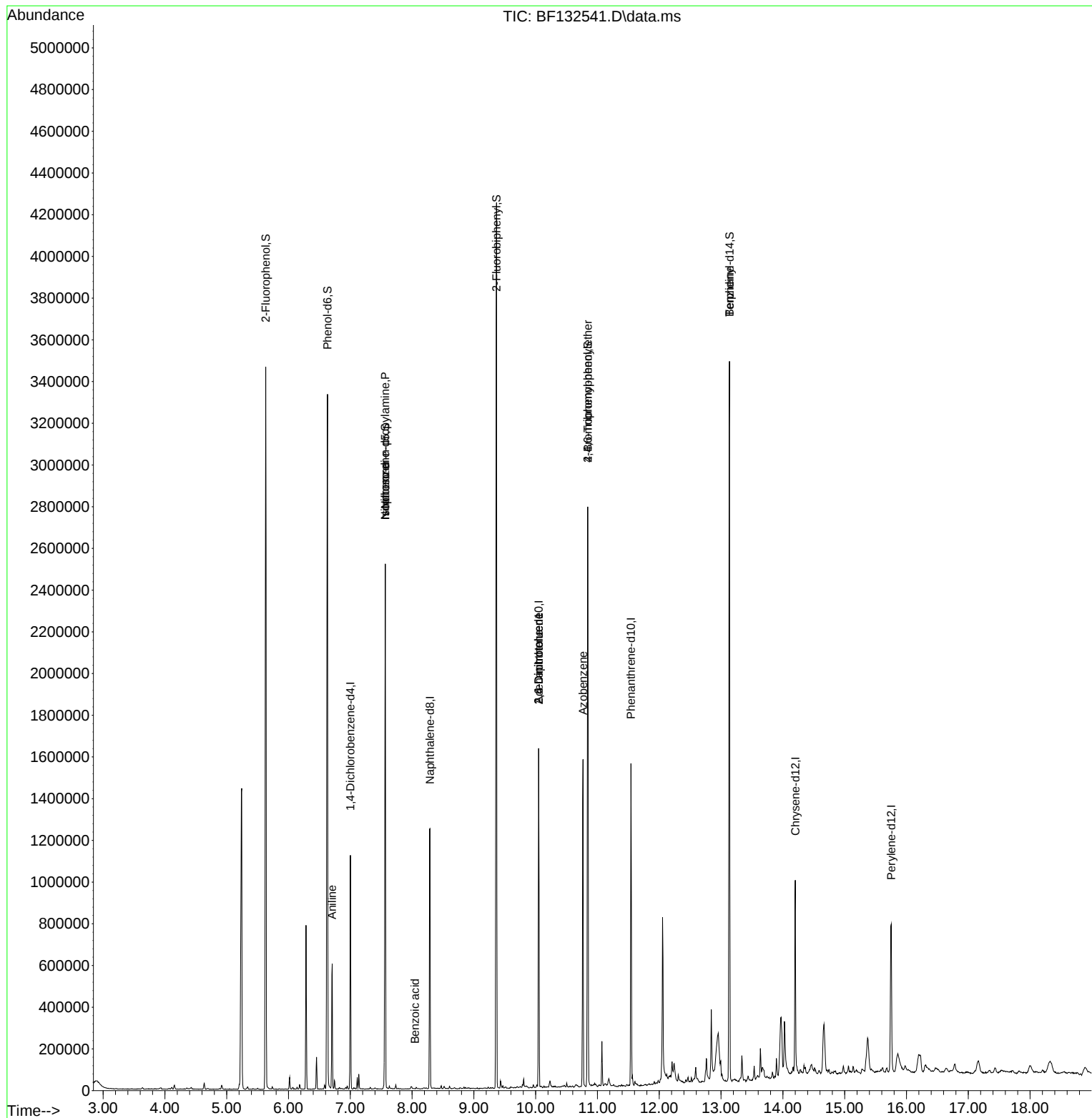
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.001	152	146900	20.000	ng	-0.01
21) Naphthalene-d8	8.290	136	535692	20.000	ng	-0.01
39) Acenaphthene-d10	10.048	164	286186	20.000	ng	-0.01
64) Phenanthrene-d10	11.542	188	537103	20.000	ng	-0.01
76) Chrysene-d12	14.201	240	297962	20.000	ng	-0.02
86) Perylene-d12	15.754	264	347049	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.631	112	913338	100.907	ng	0.00
7) Phenol-d6	6.631	99	1159127	98.125	ng	-0.01
23) Nitrobenzene-d5	7.566	82	763898	67.656	ng	-0.01
42) 2,4,6-Tribromophenol	10.842	330	310456	100.449	ng	-0.02
45) 2-Fluorobiphenyl	9.366	172	1248127	66.407	ng	-0.01
79) Terphenyl-d14	13.136	244	1230645	69.831	ng	-0.01
Target Compounds						
					Qvalue	
6) Aniline	6.707	93	127498	8.020	ng	# 49
19) n-Nitroso-di-n-propyla...	7.566	70	105506	14.512	ng	# 78
25) Isophorone	7.566	82	762791	35.237	ng	# 67
32) Benzoic acid	8.048	122	62	3.845	ng	96
51) 2,6-Dinitrotoluene	10.048	165	37901	7.987	ng	# 23
57) 2,4-Dinitrotoluene	10.048	165	37901	6.003	ng	# 21
63) Azobenzene	10.766	77	291444	13.522	ng	# 1
67) 4-Bromophenyl-phenylether	10.842	248	21484	3.536	ng	# 1
77) Benzidine	13.136	184	18456	2.545	ng	# 93

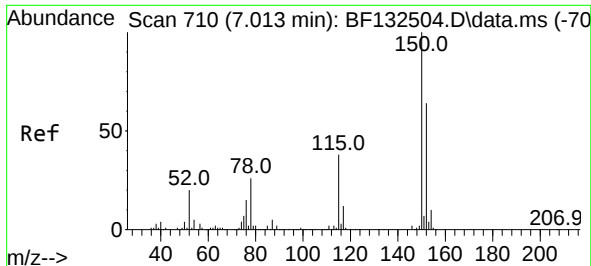
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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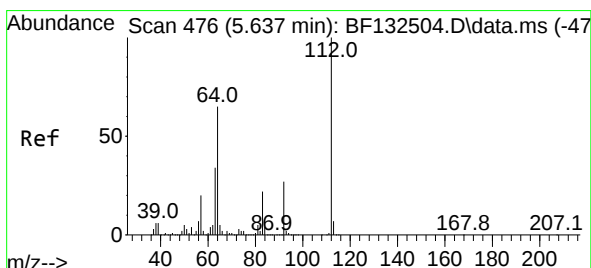
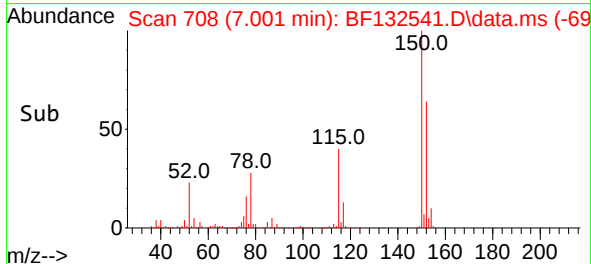
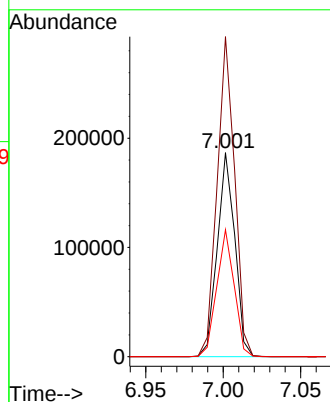
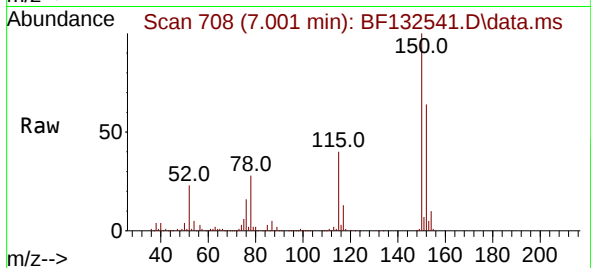




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.001 min Scan# 70
Delta R.T. -0.012 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

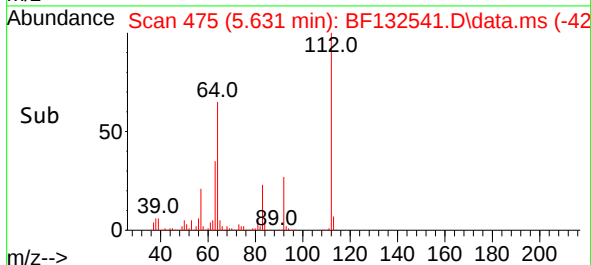
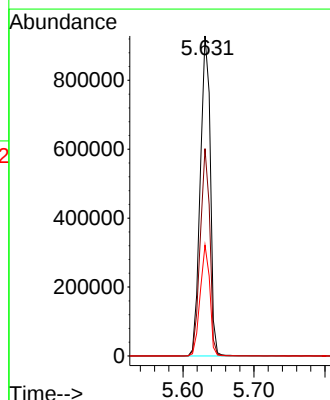
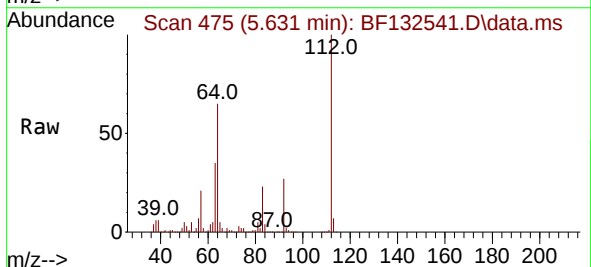
Instrument :
BNA_F
ClientSampleId :
T5-1

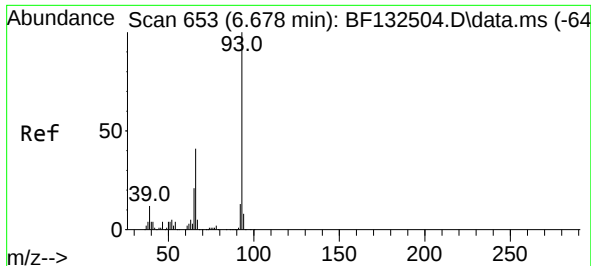
Tgt Ion:152 Resp: 146900
Ion Ratio Lower Upper
152 100
150 156.9 125.4 188.2
115 62.3 47.8 71.6



#5
2-Fluorophenol
Concen: 100.907 ng
RT: 5.631 min Scan# 475
Delta R.T. -0.006 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

Tgt Ion:112 Resp: 913338
Ion Ratio Lower Upper
112 100
64 64.8 51.6 77.4
63 34.6 27.4 41.2





#6

Aniline

Concen: 8.020 ng

RT: 6.707 min Scan# 61

Delta R.T. 0.030 min

Lab File: BF132541.D

Acq: 24 Feb 2023 14:13

Instrument :

BNA_F

ClientSampleId :

T5-1

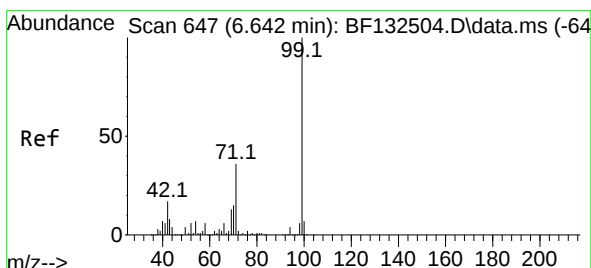
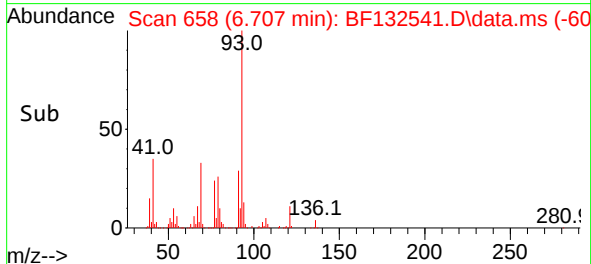
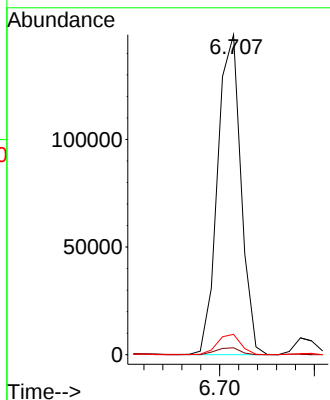
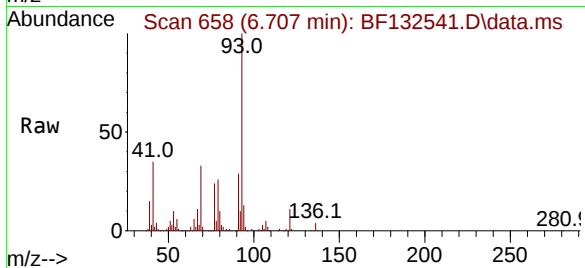
Tgt Ion: 93 Resp: 127498

Ion Ratio Lower Upper

93 100

66 2.1 32.5 48.7#

65 6.4 16.6 24.8#



#7

Phenol-d6

Concen: 98.125 ng

RT: 6.631 min Scan# 645

Delta R.T. -0.011 min

Lab File: BF132541.D

Acq: 24 Feb 2023 14:13

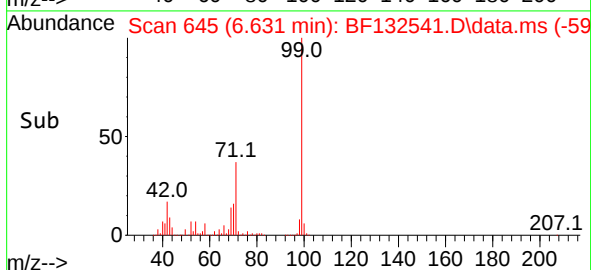
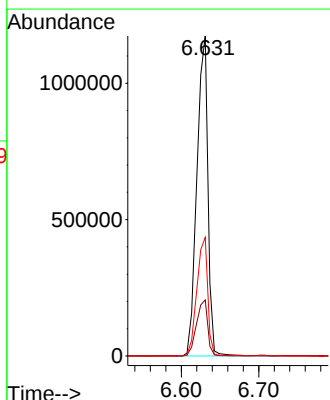
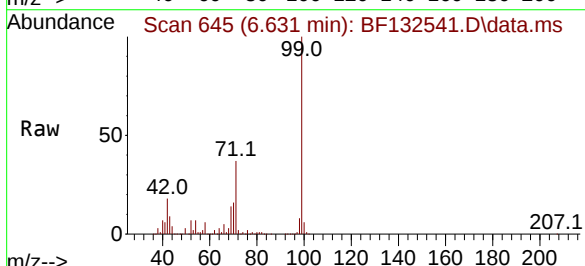
Tgt Ion: 99 Resp: 1159127

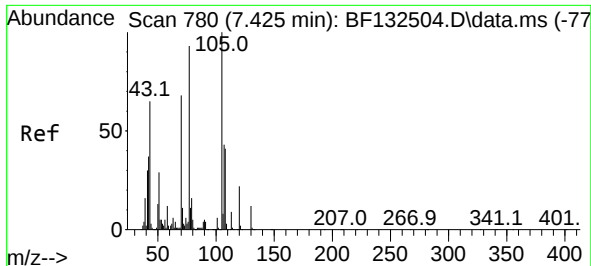
Ion Ratio Lower Upper

99 100

42 17.5 13.9 20.9

71 37.0 28.5 42.7

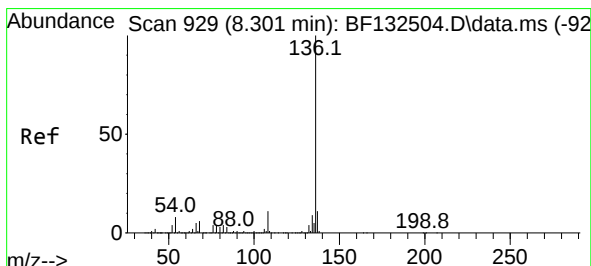
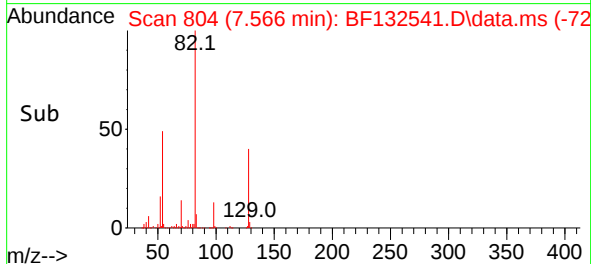
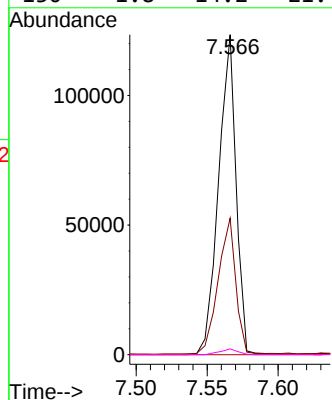
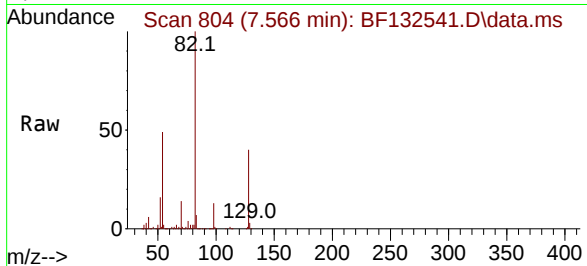




#19
n-Nitroso-di-n-propylamine
Concen: 14.512 ng
RT: 7.566 min Scan# 80
Delta R.T. 0.141 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

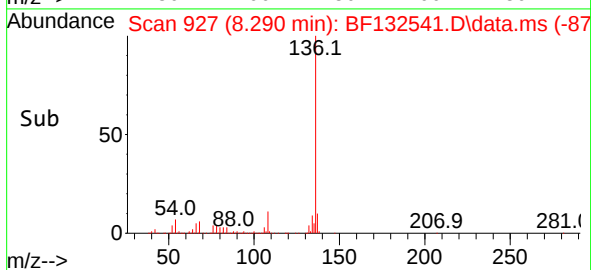
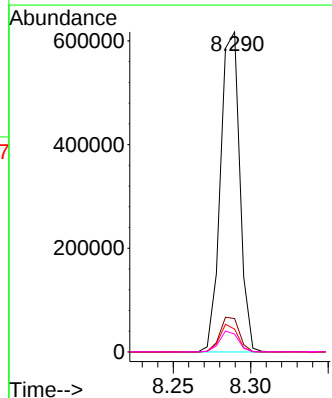
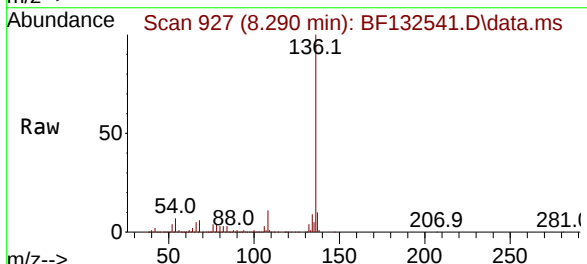
Instrument :
BNA_F
ClientSampleId :
T5-1

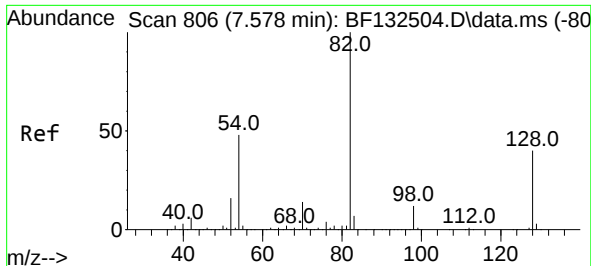
Tgt Ion: 70 Resp: 105506
Ion Ratio Lower Upper
70 100
42 42.7 44.1 66.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.290 min Scan# 927
Delta R.T. -0.011 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

Tgt Ion:136 Resp: 535692
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 7.2 6.2 9.4
68 5.6 5.2 7.8

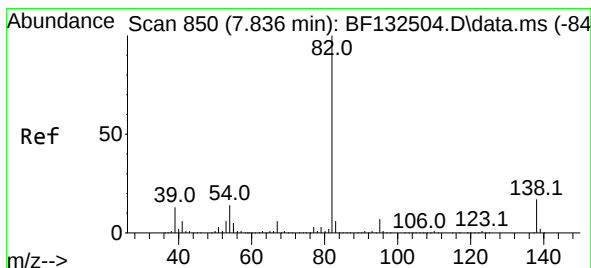
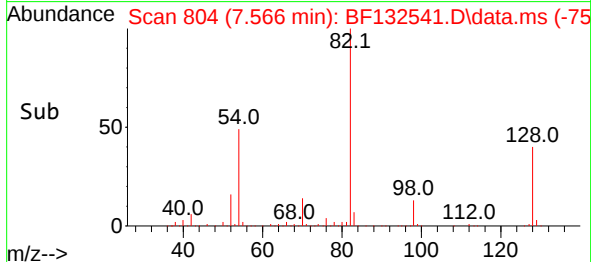
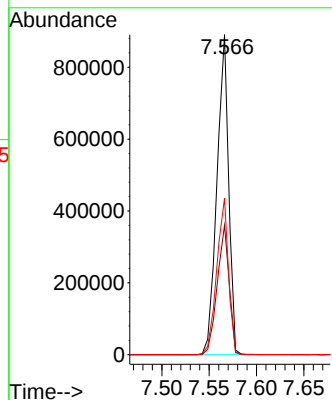
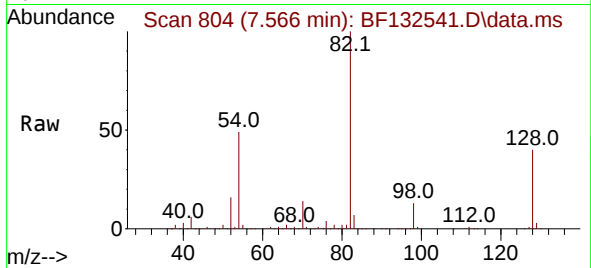




#23
Nitrobenzene-d5
Concen: 67.656 ng
RT: 7.566 min Scan# 804
Delta R.T. -0.011 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

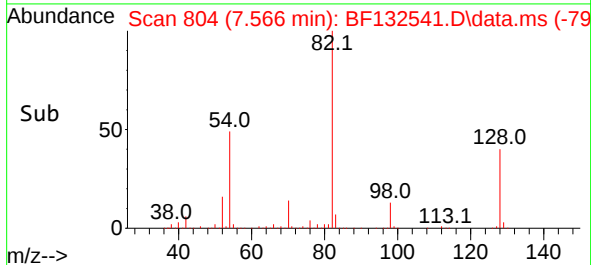
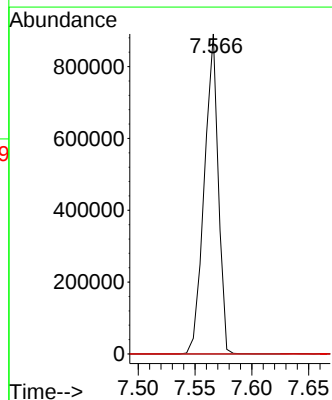
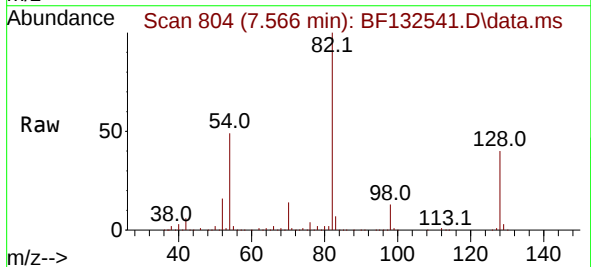
Instrument :
BNA_F
ClientSampleId :
T5-1

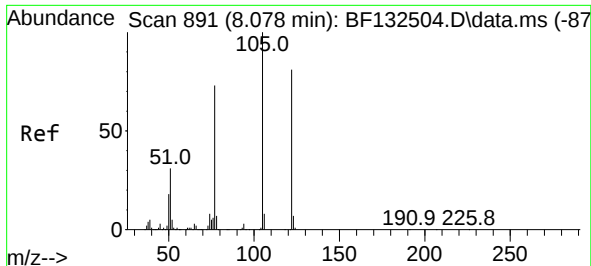
Tgt Ion: 82 Resp: 763898
Ion Ratio Lower Upper
82 100
128 40.4 32.2 48.2
54 48.9 38.4 57.6



#25
Isophorone
Concen: 35.237 ng
RT: 7.566 min Scan# 804
Delta R.T. -0.270 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

Tgt Ion: 82 Resp: 762791
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#

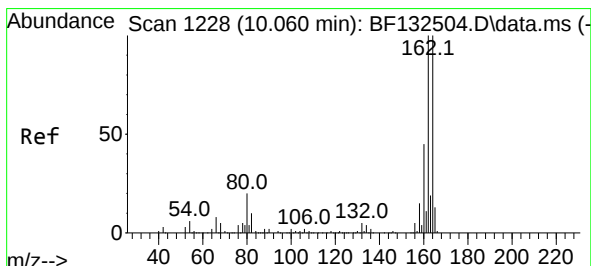
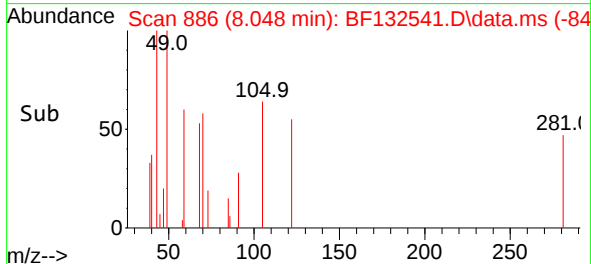
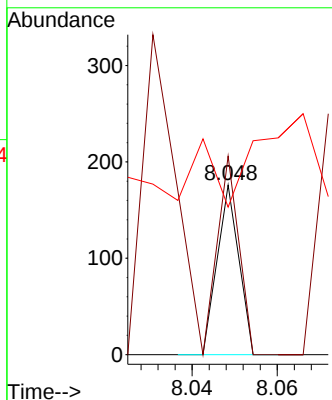
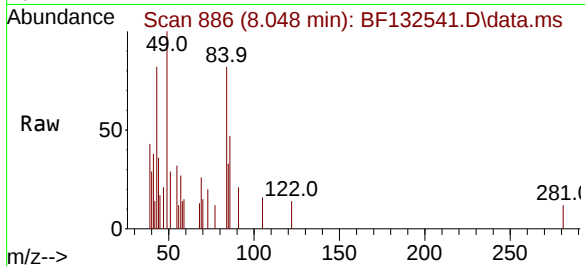




#32
Benzoic acid
Concen: 3.845 ng
RT: 8.048 min Scan# 891
Delta R.T. -0.030 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

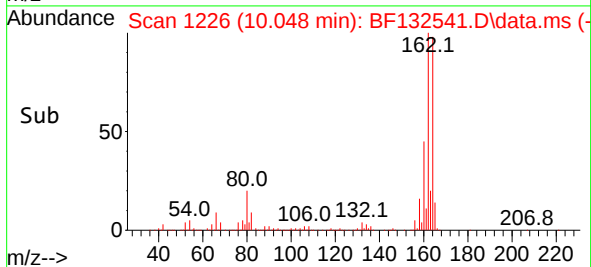
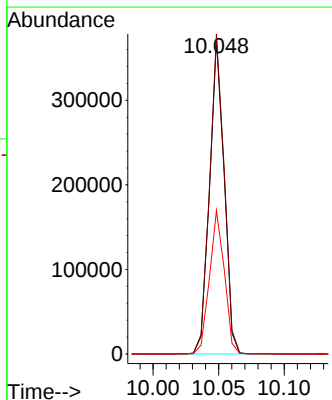
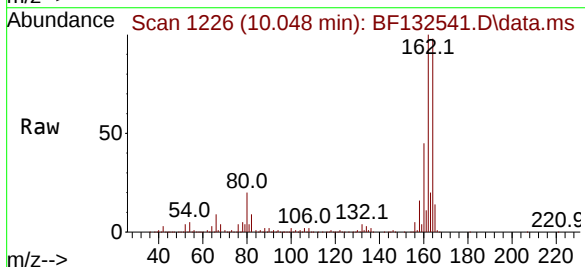
Instrument :
BNA_F
ClientSampleId :
T5-1

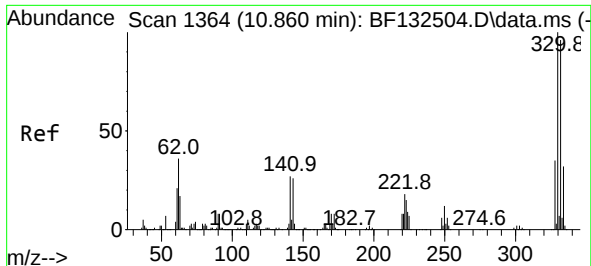
Tgt Ion:122 Resp: 62
Ion Ratio Lower Upper
122 100
105 117.0 102.6 142.6
77 86.9 70.2 110.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.048 min Scan# 1226
Delta R.T. -0.012 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

Tgt Ion:164 Resp: 286186
Ion Ratio Lower Upper
164 100
162 101.8 79.8 119.8
160 45.6 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 100.449 ng

RT: 10.842 min Scan# 1110

Delta R.T. -0.017 min

Lab File: BF132541.D

Acq: 24 Feb 2023 14:13

Instrument :

BNA_F

ClientSampleId :

T5-1

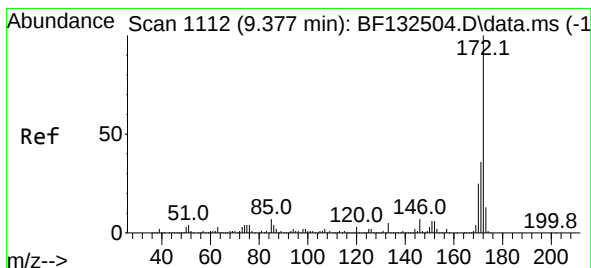
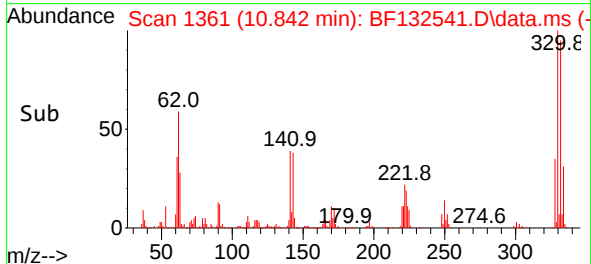
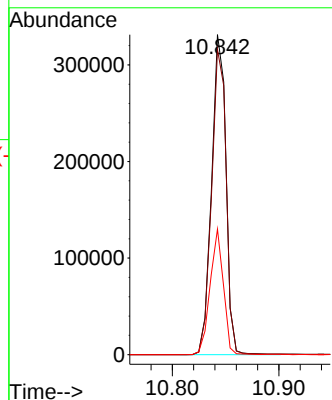
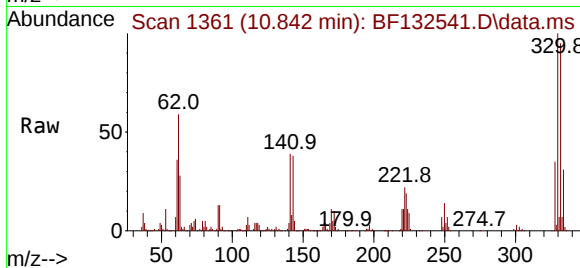
Tgt Ion:330 Resp: 310456

Ion Ratio Lower Upper

330 100

332 97.0 76.2 114.4

141 36.4 28.4 42.6



#45

2-Fluorobiphenyl

Concen: 66.407 ng

RT: 9.366 min Scan# 1110

Delta R.T. -0.011 min

Lab File: BF132541.D

Acq: 24 Feb 2023 14:13

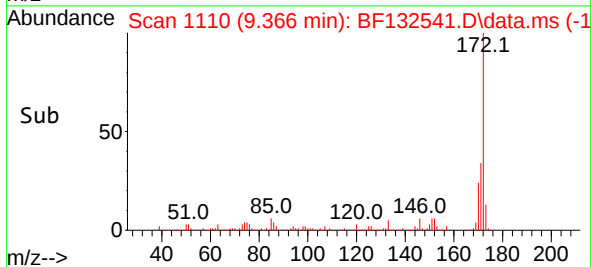
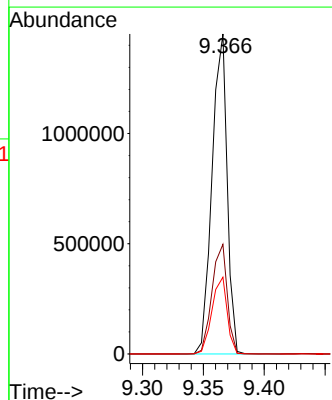
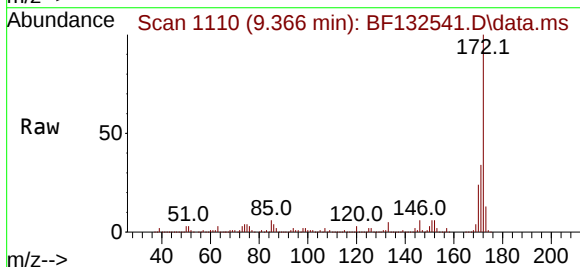
Tgt Ion:172 Resp: 1248127

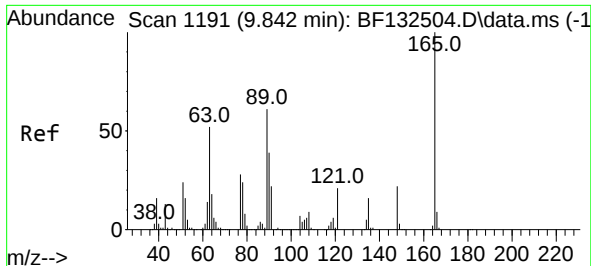
Ion Ratio Lower Upper

172 100

171 34.3 28.8 43.2

170 24.0 19.7 29.5





#51

2,6-Dinitrotoluene

Concen: 7.987 ng

RT: 10.048 min Scan# 1191

Delta R.T. 0.206 min

Lab File: BF132541.D

Acq: 24 Feb 2023 14:13

Instrument :

BNA_F

ClientSampleId :

T5-1

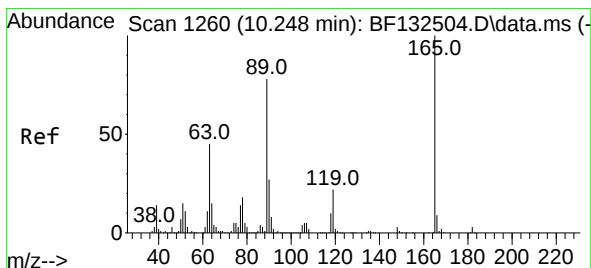
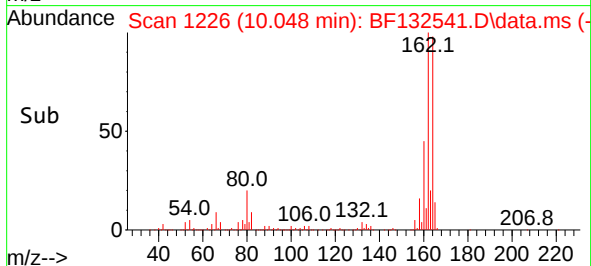
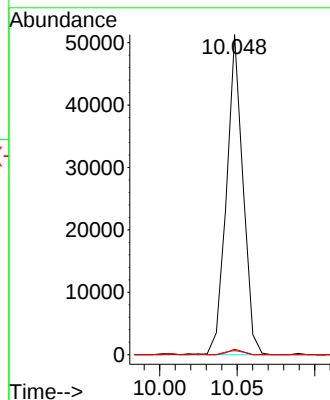
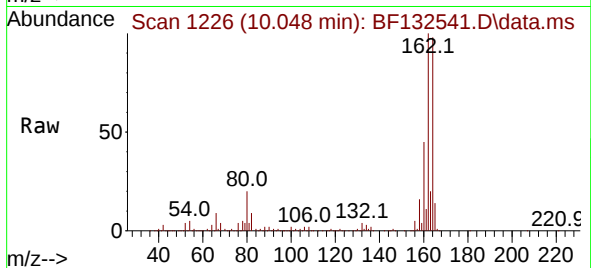
Tgt Ion:165 Resp: 37901

Ion Ratio Lower Upper

165 100

63 1.7 47.3 70.9#

89 1.3 48.9 73.3#



#57

2,4-Dinitrotoluene

Concen: 6.003 ng

RT: 10.048 min Scan# 1226

Delta R.T. -0.200 min

Lab File: BF132541.D

Acq: 24 Feb 2023 14:13

Tgt Ion:165 Resp: 37901

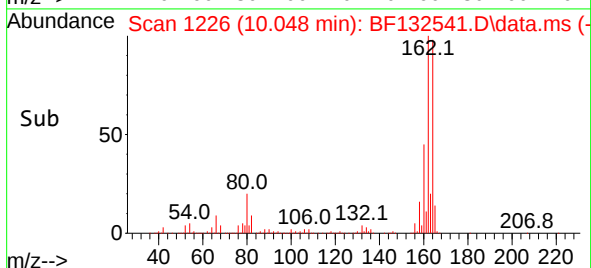
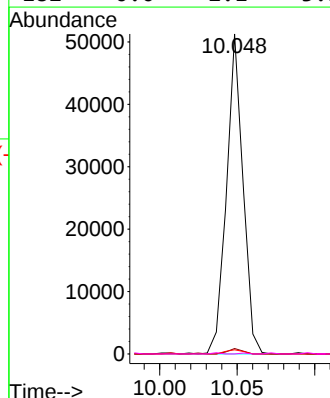
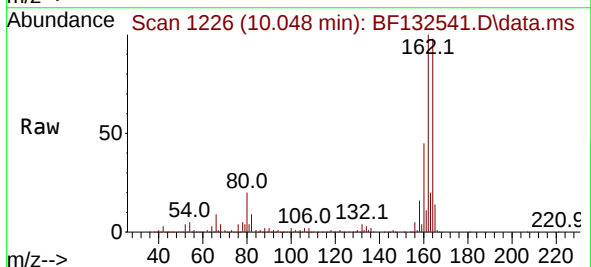
Ion Ratio Lower Upper

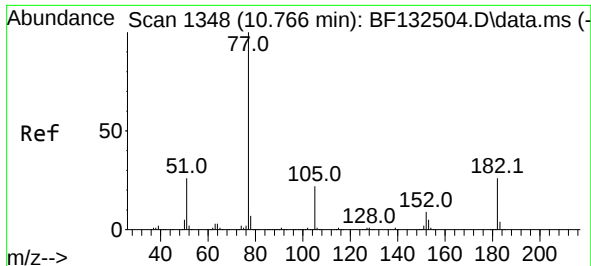
165 100

63 1.7 36.5 54.7#

89 1.3 62.4 93.6#

182 0.0 2.1 3.1#

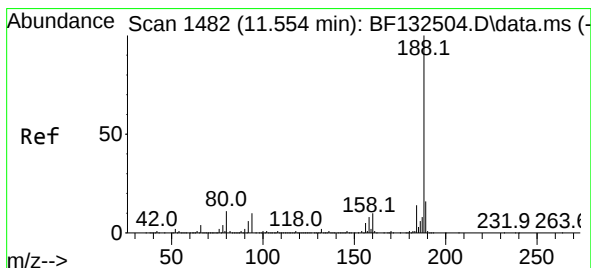
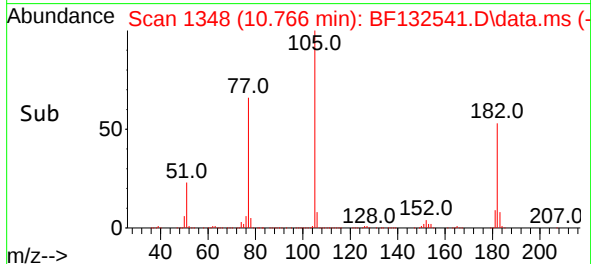
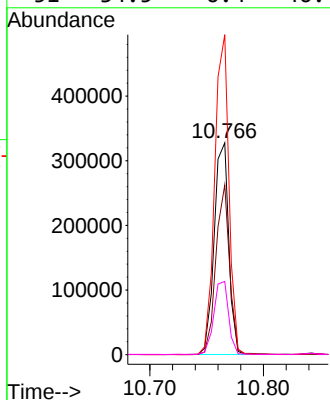
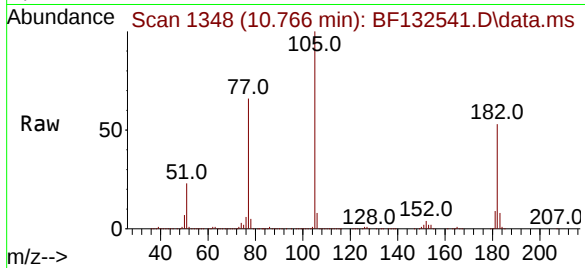




#63
Azobenzene
Concen: 13.522 ng
RT: 10.766 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

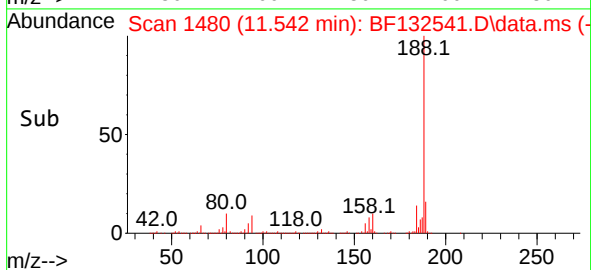
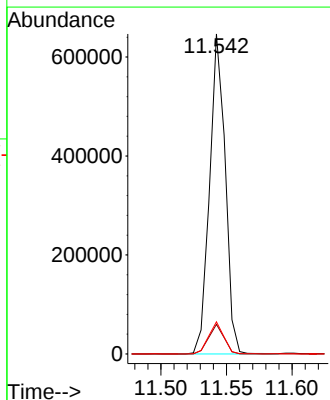
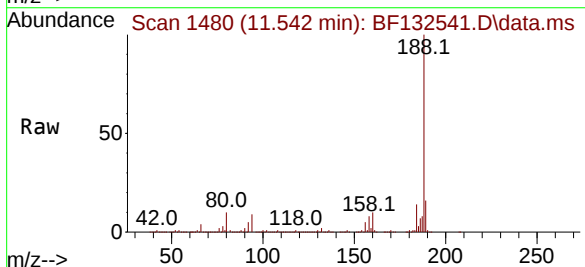
Instrument :
BNA_F
ClientSampleId :
T5-1

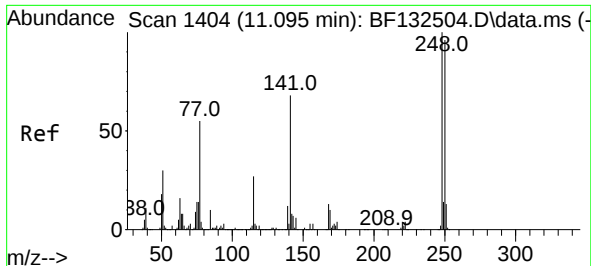
Tgt Ion: 77 Resp: 291444
Ion Ratio Lower Upper
77 100
182 80.1 5.5 45.5#
105 151.0 1.8 41.8#
51 34.5 6.4 46.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.542 min Scan# 1480
Delta R.T. -0.011 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

Tgt Ion: 188 Resp: 537103
Ion Ratio Lower Upper
188 100
94 9.2 8.3 12.5
80 10.0 8.7 13.1

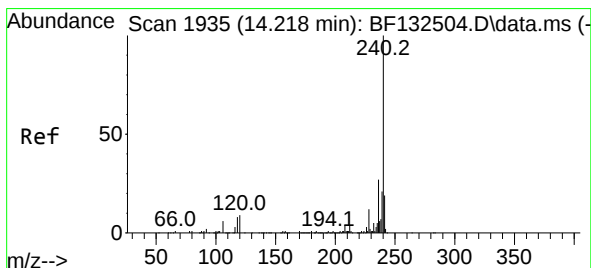
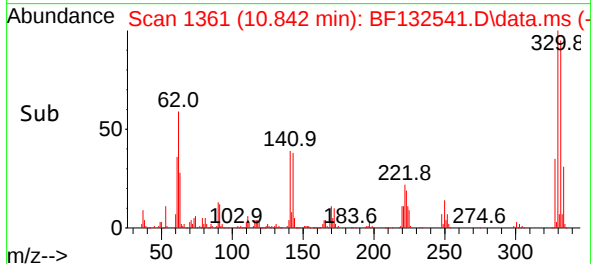
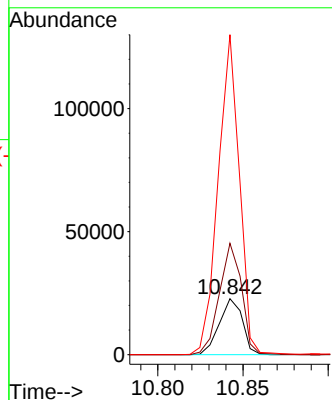
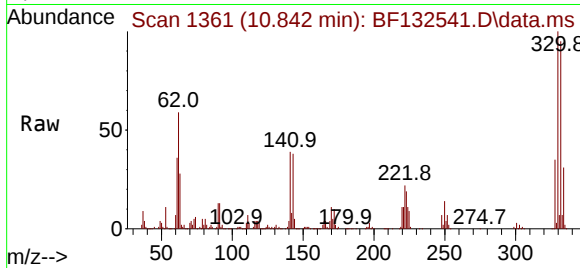




#67
4-Bromophenyl-phenylether
Concen: 3.536 ng
RT: 10.842 min Scan# 1361
Delta R.T. -0.253 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

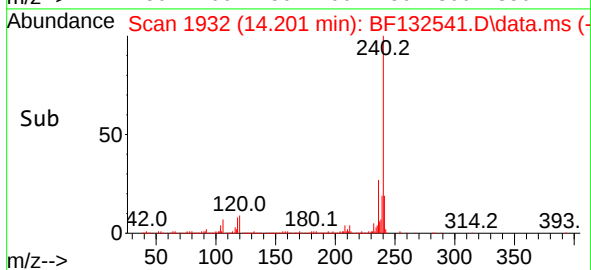
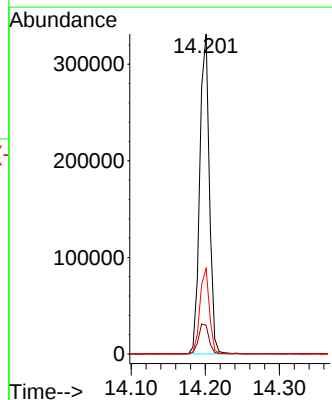
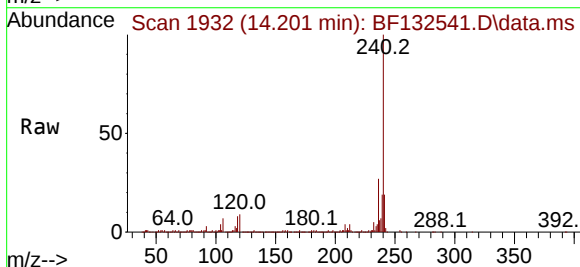
Instrument :
BNA_F
ClientSampleId :
T5-1

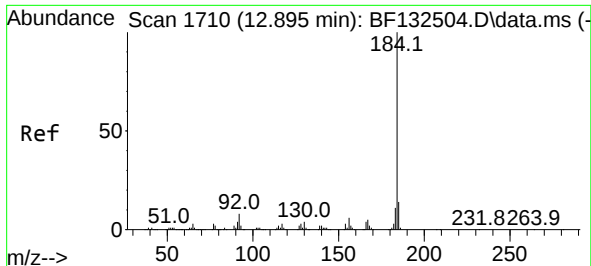
Tgt Ion:248 Resp: 21484
Ion Ratio Lower Upper
248 100
250 198.7 77.0 115.4#
141 571.2 54.2 81.2#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.201 min Scan# 1932
Delta R.T. -0.017 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

Tgt Ion:240 Resp: 297962
Ion Ratio Lower Upper
240 100
120 9.0 7.2 10.8
236 26.7 21.8 32.6

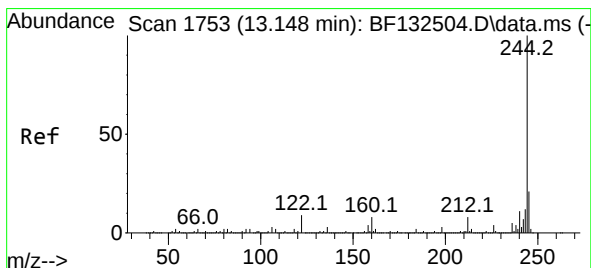
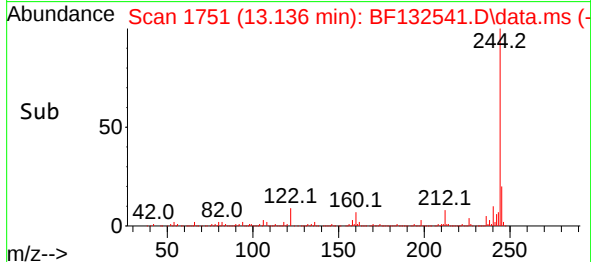
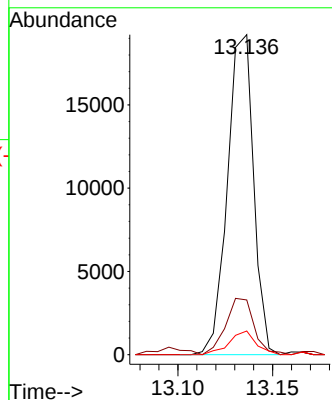
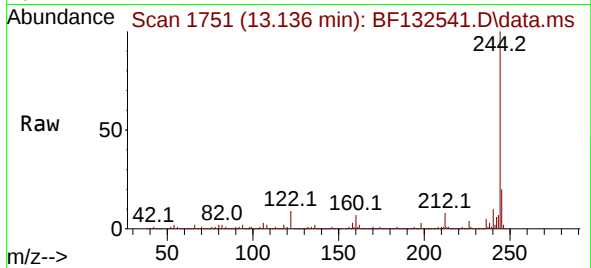




#77
Benzidine
Concen: 2.545 ng
RT: 13.136 min Scan# 1751
Delta R.T. 0.241 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

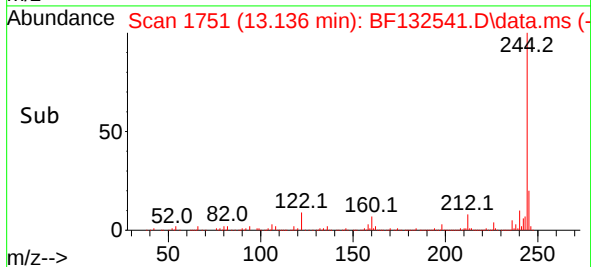
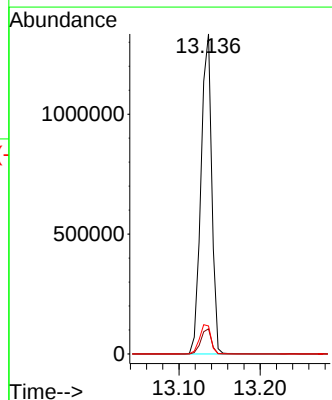
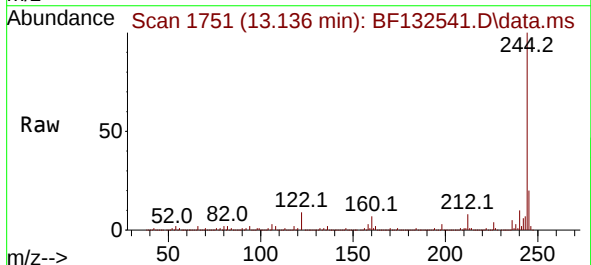
Instrument :
BNA_F
ClientSampleId :
T5-1

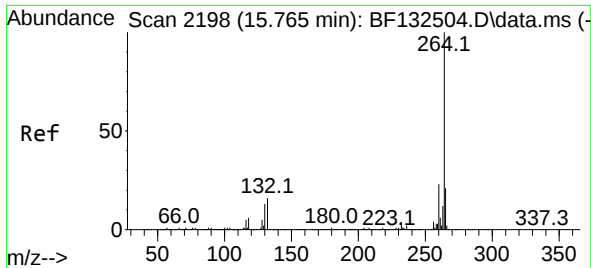
Tgt Ion:184 Resp: 18456
Ion Ratio Lower Upper
184 100
185 17.1 11.7 17.5
183 7.4 8.7 13.1#



#79
Terphenyl-d14
Concen: 69.831 ng
RT: 13.136 min Scan# 1751
Delta R.T. -0.011 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

Tgt Ion:244 Resp: 1230645
Ion Ratio Lower Upper
244 100
212 7.8 6.5 9.7
122 8.7 7.5 11.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.754 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF132541.D
Acq: 24 Feb 2023 14:13

Instrument :
BNA_F
ClientSampleId :
T5-1

Tgt Ion:264 Resp: 347049
Ion Ratio Lower Upper
264 100
260 24.9 18.8 28.2
265 22.3 17.1 25.7

