

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022822\
 Data File : BF127099.D
 Acq On : 28 Feb 2022 14:53
 Operator : CG\JU
 Sample : N1664-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Feb 28 16:59:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 24 02:10:57 2022
 Response via : Initial Calibration

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

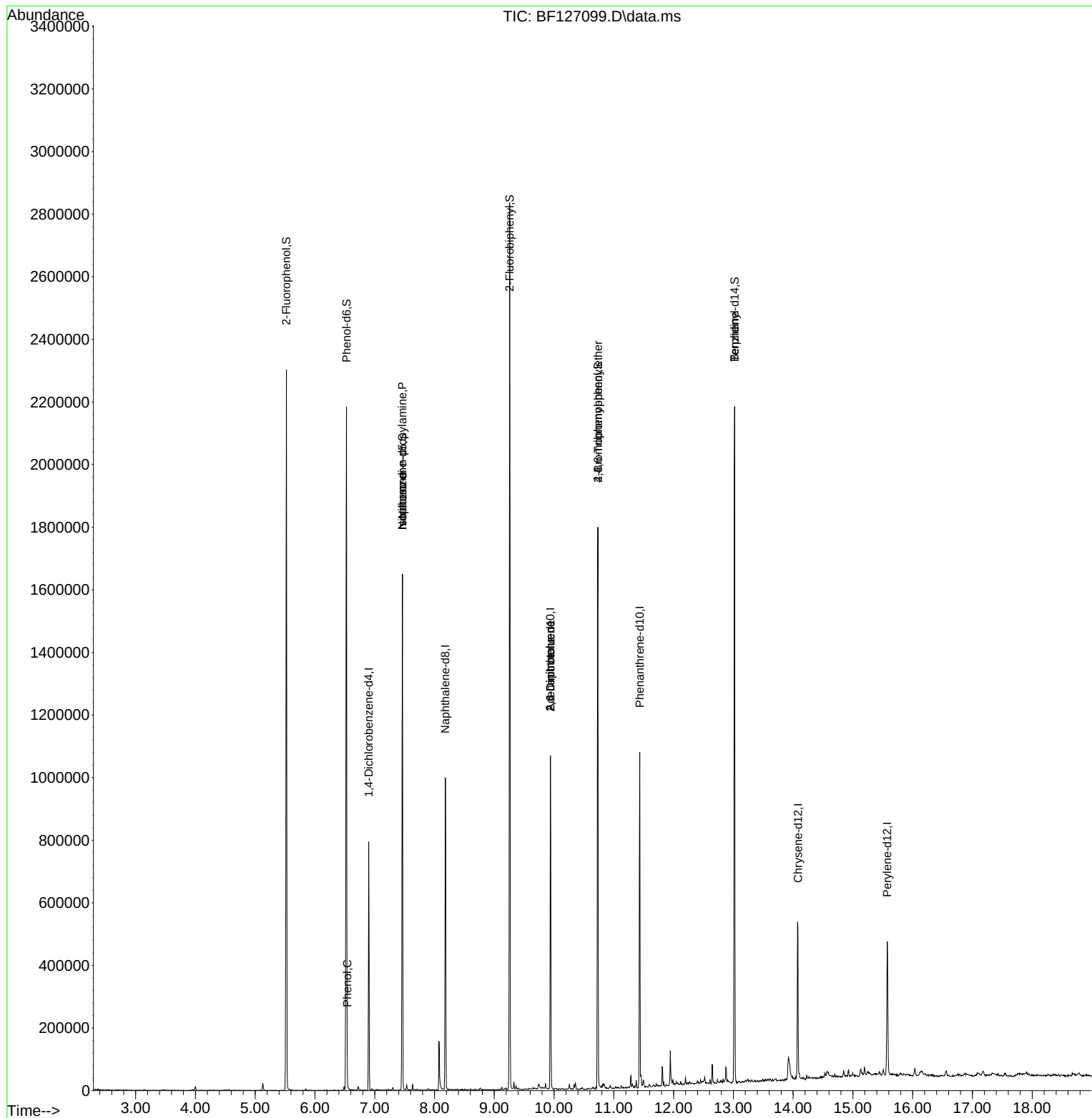
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.899	152	96653	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	392557	20.000	ng	#-0.01
39) Acenaphthene-d10	9.940	164	201098	20.000	ng	-0.01
64) Phenanthrene-d10	11.434	188	342453	20.000	ng	#-0.01
76) Chrysene-d12	14.081	240	166653	20.000	ng	# 0.00
86) Perylene-d12	15.575	264	178077	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	526075	84.124	ng	0.00
7) Phenol-d6	6.528	99	680020	80.588	ng	-0.01
23) Nitrobenzene-d5	7.463	82	477336	54.885	ng	-0.01
42) 2,4,6-Tribromophenol	10.734	330	198886	85.898	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	752389	55.079	ng	-0.01
79) Terphenyl-d14	13.022	244	704640	62.156	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.540	94	23712	2.781	ng	88
19) n-Nitroso-di-n-propyla...	7.463	70	64381	11.841	ng	# 79
25) Isophorone	7.463	82	477325	33.168	ng	# 69
51) 2,6-Dinitrotoluene	9.940	165	25487	8.715	ng	# 22
57) 2,4-Dinitrotoluene	9.940	165	25487	6.446	ng	# 16
67) 4-Bromophenyl-phenylether	10.734	248	11926	3.117	ng	# 1
77) Benzidine	13.022	184	10257	2.265	ng	# 94

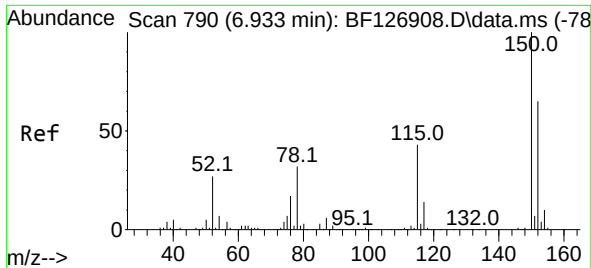
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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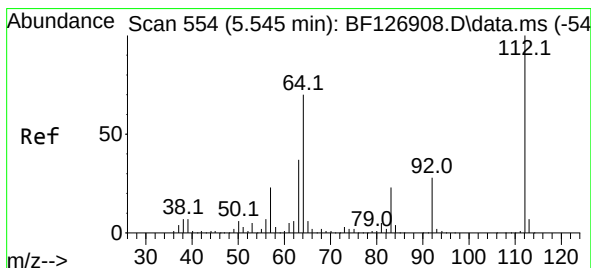
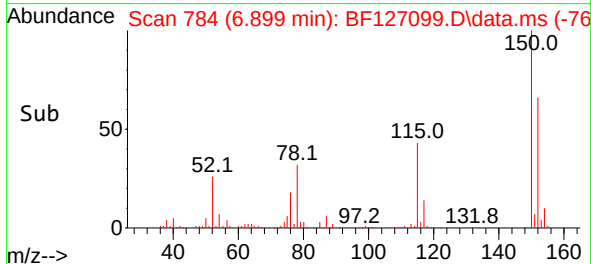
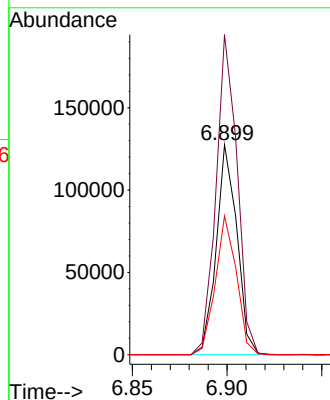
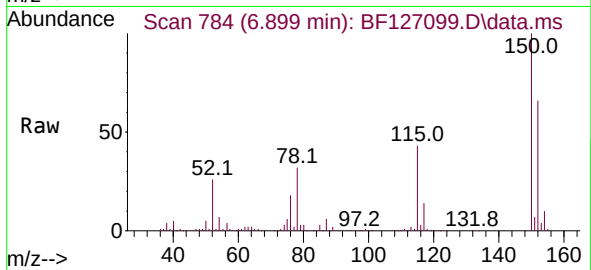




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.899 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF127099.D
Acq: 28 Feb 2022 14:53

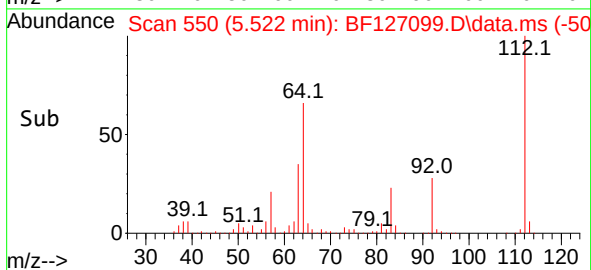
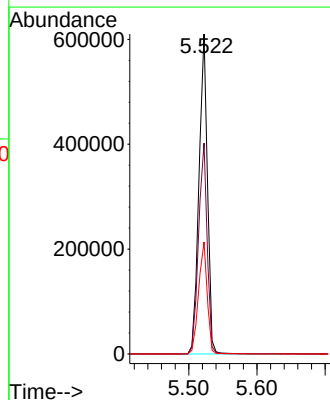
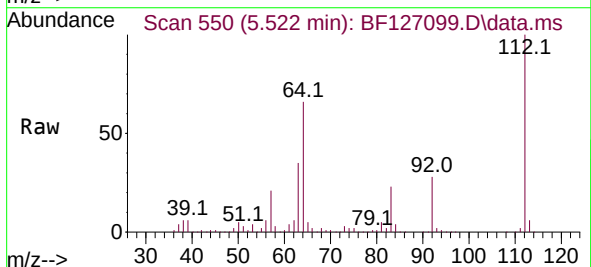
Instrument :
BNA_F
ClientSampleId :
TP-4

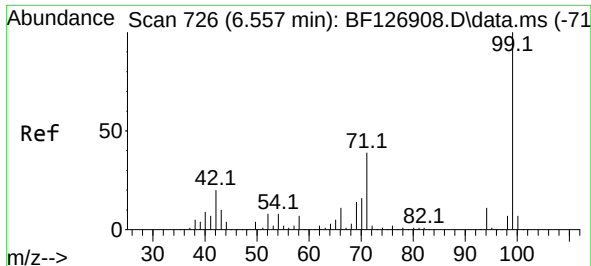
Tgt Ion:152 Resp: 96653
Ion Ratio Lower Upper
152 100
150 152.4 128.1 192.1
115 66.1 56.7 85.1



#5
2-Fluorophenol
Concen: 84.124 ng
RT: 5.522 min Scan# 550
Delta R.T. -0.006 min
Lab File: BF127099.D
Acq: 28 Feb 2022 14:53

Tgt Ion:112 Resp: 526075
Ion Ratio Lower Upper
112 100
64 65.9 49.5 74.3
63 35.0 23.9 35.9





#7

Phenol-d6

Concen: 80.588 ng

RT: 6.528 min Scan# 71

Delta R.T. -0.011 min

Lab File: BF127099.D

Acq: 28 Feb 2022 14:53

Instrument :

BNA_F

ClientSampleId :

TP-4

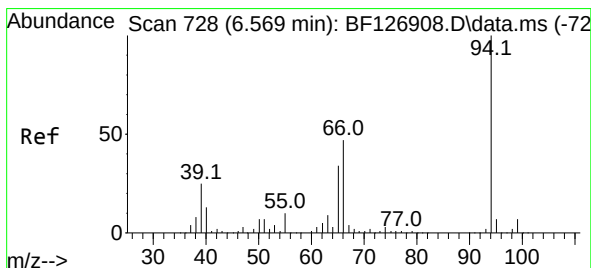
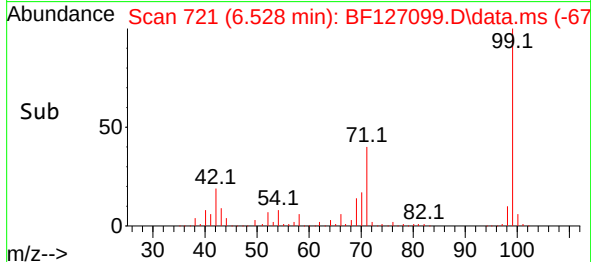
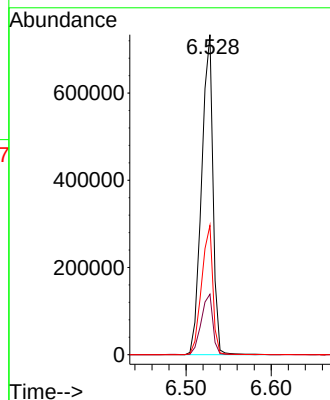
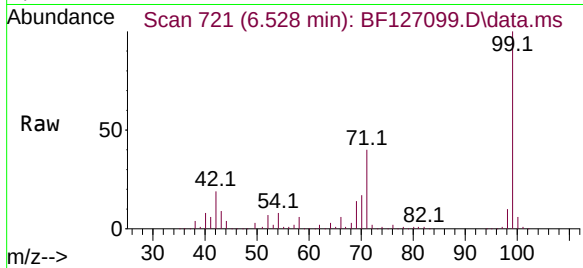
Tgt Ion: 99 Resp: 680020

Ion Ratio Lower Upper

99 100

42 18.9 14.2 21.4

71 40.4 24.3 36.5#



#10

Phenol

Concen: 2.781 ng

RT: 6.540 min Scan# 723

Delta R.T. -0.011 min

Lab File: BF127099.D

Acq: 28 Feb 2022 14:53

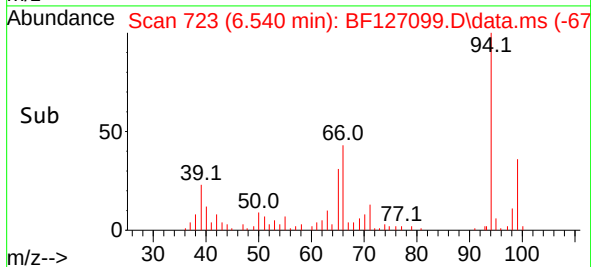
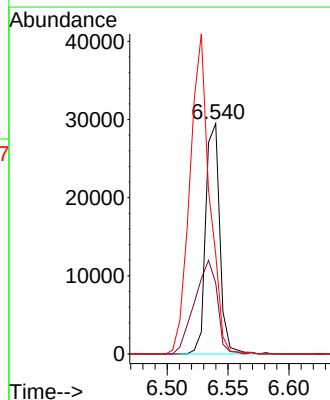
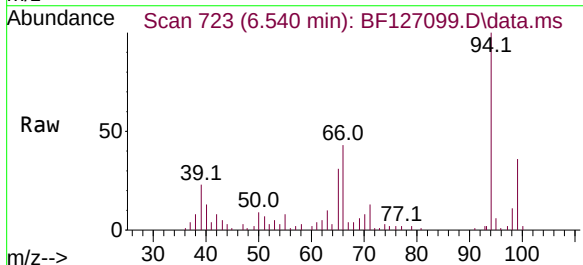
Tgt Ion: 94 Resp: 23712

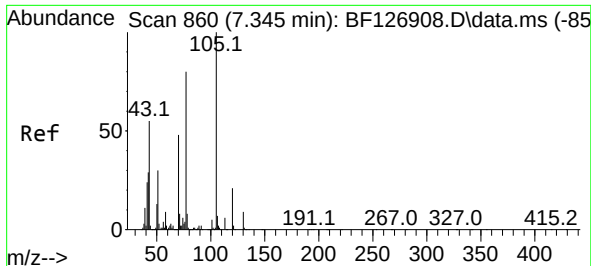
Ion Ratio Lower Upper

94 100

65 30.8 7.2 47.2

66 43.2 14.5 54.5

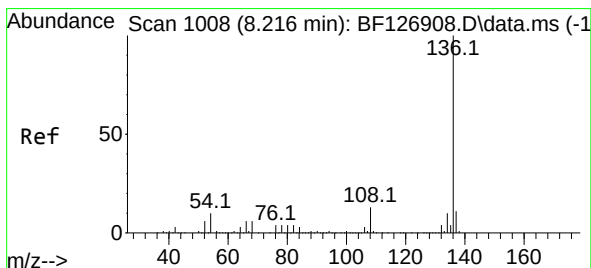
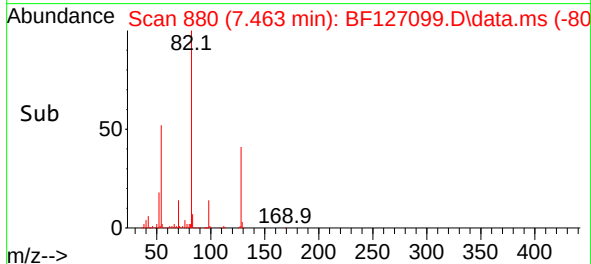
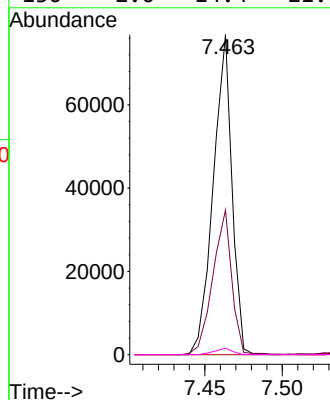
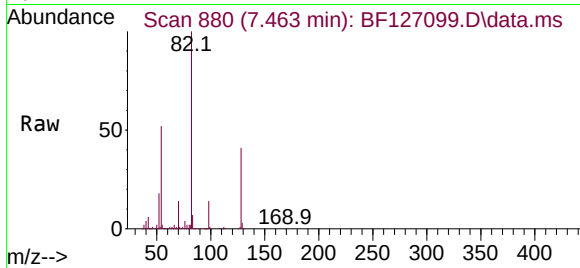




#19
n-Nitroso-di-n-propylamine
Concen: 11.841 ng
RT: 7.463 min Scan# 80
Delta R.T. 0.142 min
Lab File: BF127099.D
Acq: 28 Feb 2022 14:53

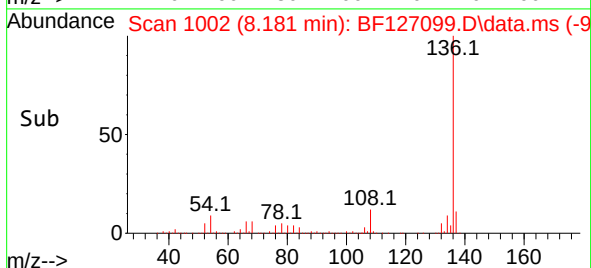
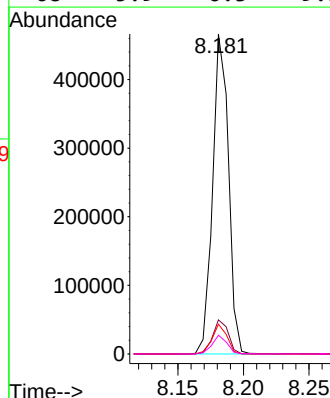
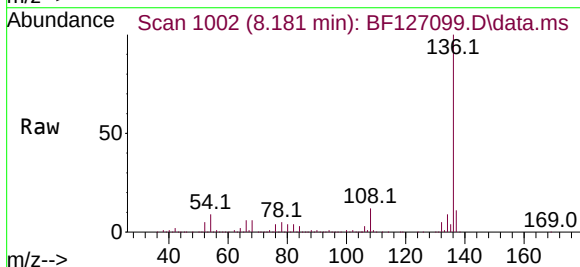
Instrument :
BNA_F
ClientSampleId :
TP-4

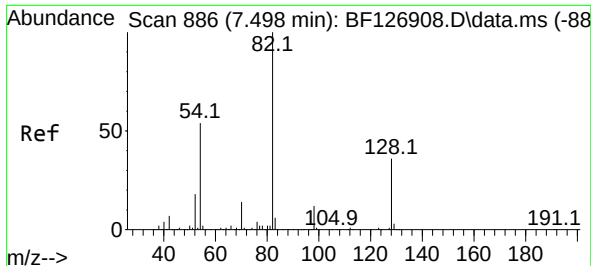
Tgt Ion: 70 Resp: 64381
Ion Ratio Lower Upper
70 100
42 45.2 45.8 68.8#
101 0.0 6.9 10.3#
130 2.0 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1002
Delta R.T. -0.011 min
Lab File: BF127099.D
Acq: 28 Feb 2022 14:53

Tgt Ion: 136 Resp: 392557
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.3 7.8 11.6
68 5.9 6.3 9.5#





#23

Nitrobenzene-d5

Concen: 54.885 ng

RT: 7.463 min Scan# 880

Delta R.T. -0.011 min

Lab File: BF127099.D

Acq: 28 Feb 2022 14:53

Instrument :

BNA_F

ClientSampleId :

TP-4

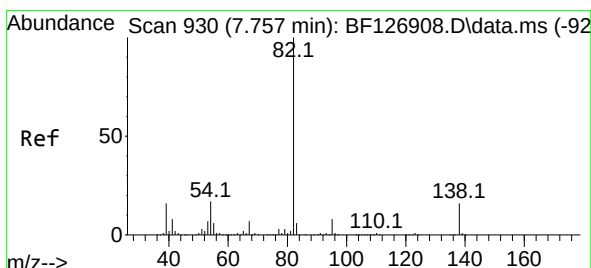
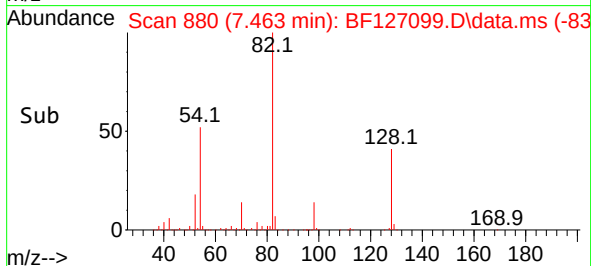
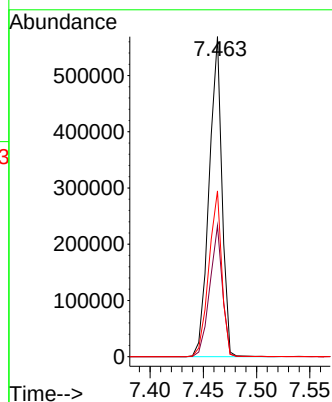
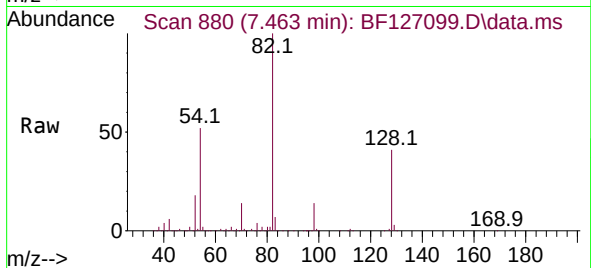
Tgt Ion: 82 Resp: 477336

Ion Ratio Lower Upper

82 100

128 40.9 32.7 49.1

54 51.8 41.7 62.5



#25

Isophorone

Concen: 33.168 ng

RT: 7.463 min Scan# 880

Delta R.T. -0.270 min

Lab File: BF127099.D

Acq: 28 Feb 2022 14:53

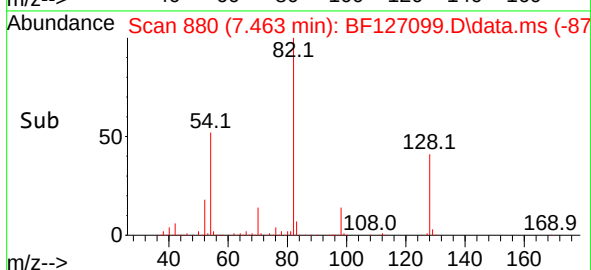
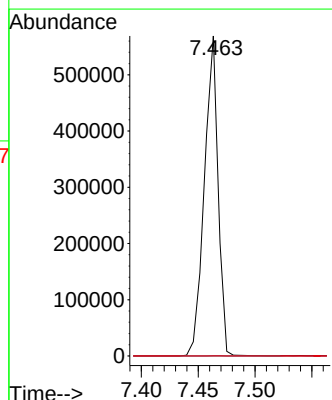
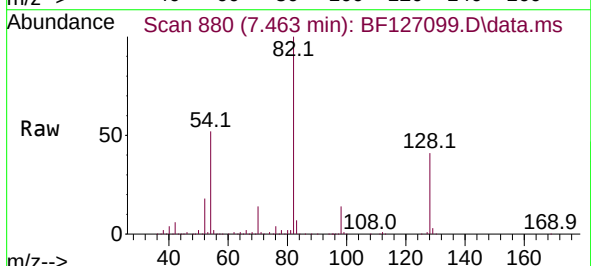
Tgt Ion: 82 Resp: 477325

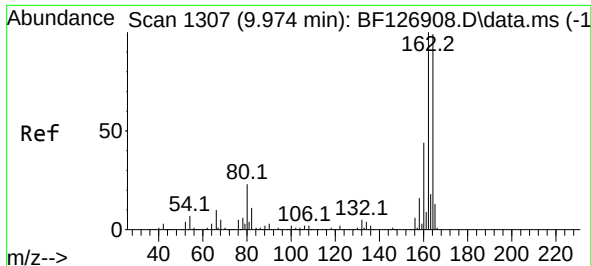
Ion Ratio Lower Upper

82 100

95 0.1 5.0 7.4#

138 0.0 12.3 18.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.940 min Scan# 1

Delta R.T. -0.011 min

Lab File: BF127099.D

Acq: 28 Feb 2022 14:53

Instrument :

BNA_F

ClientSampleId :

TP-4

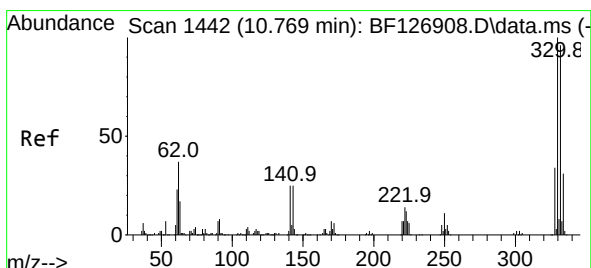
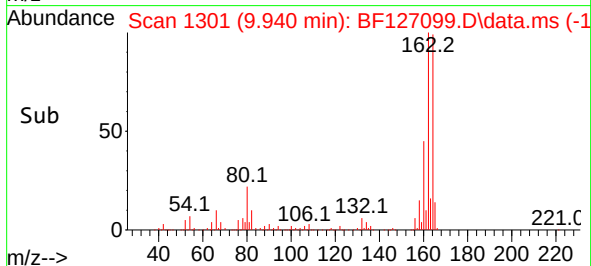
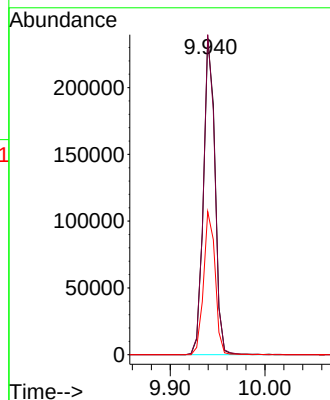
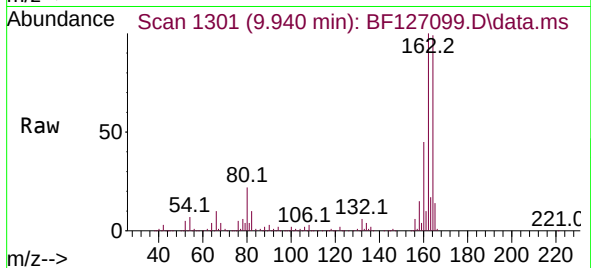
Tgt Ion:164 Resp: 201098

Ion Ratio Lower Upper

164 100

162 101.1 81.4 122.0

160 45.2 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 85.898 ng

RT: 10.734 min Scan# 1436

Delta R.T. -0.011 min

Lab File: BF127099.D

Acq: 28 Feb 2022 14:53

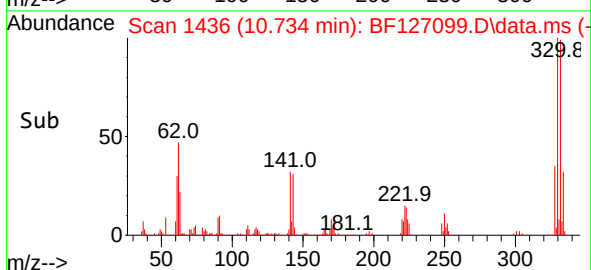
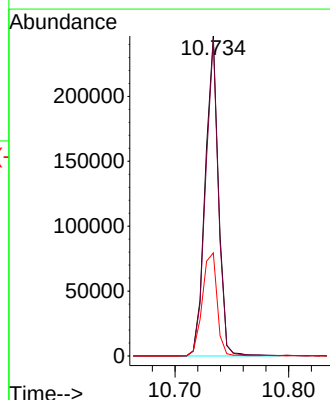
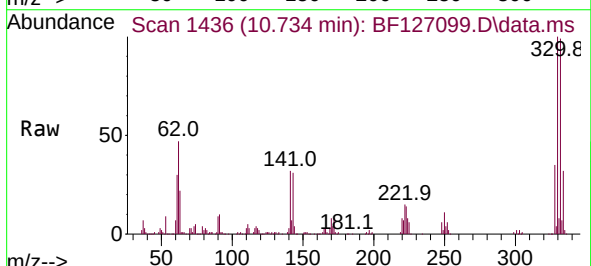
Tgt Ion:330 Resp: 198886

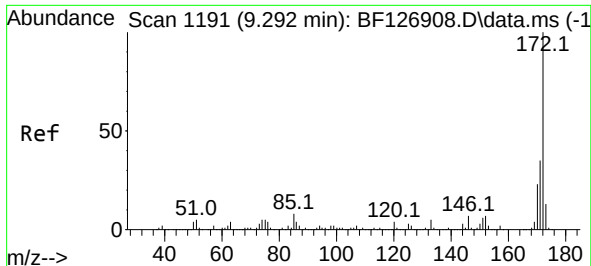
Ion Ratio Lower Upper

330 100

332 96.9 76.0 114.0

141 36.2 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 55.079 ng

RT: 9.257 min Scan# 1191

Delta R.T. -0.011 min

Lab File: BF127099.D

Acq: 28 Feb 2022 14:53

Instrument :

BNA_F

ClientSampleId :

TP-4

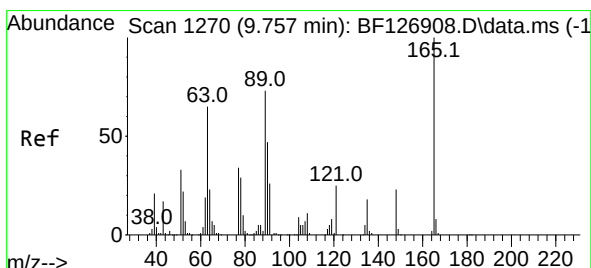
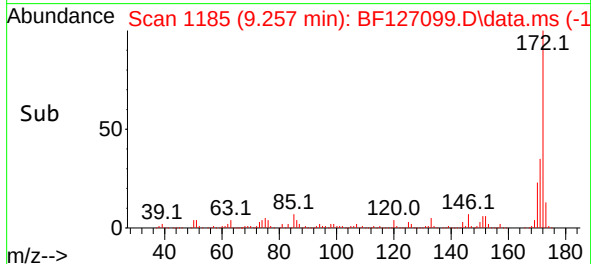
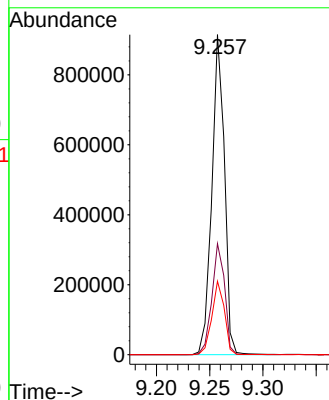
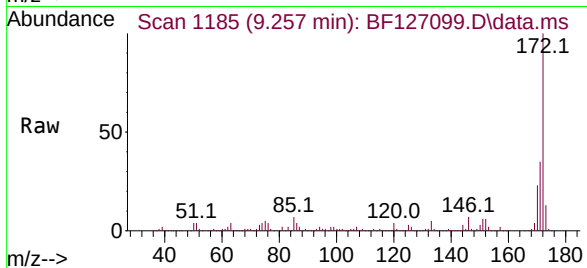
Tgt Ion:172 Resp: 752389

Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

170 23.0 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 8.715 ng

RT: 9.940 min Scan# 1301

Delta R.T. 0.206 min

Lab File: BF127099.D

Acq: 28 Feb 2022 14:53

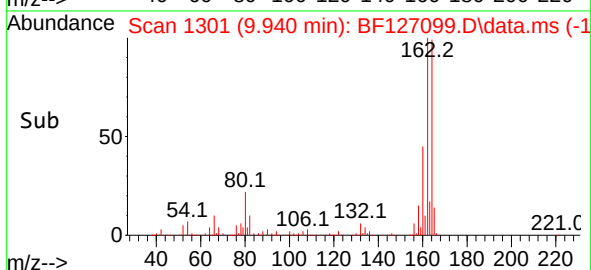
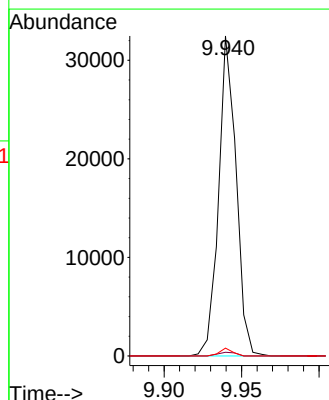
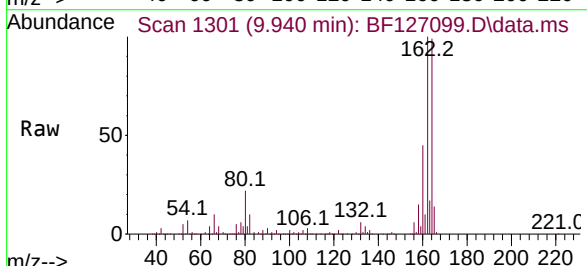
Tgt Ion:165 Resp: 25487

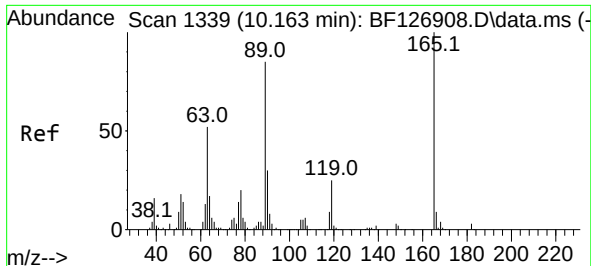
Ion Ratio Lower Upper

165 100

63 1.1 48.4 72.6#

89 2.5 50.5 75.7#

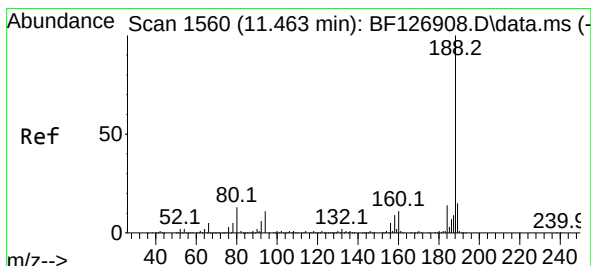
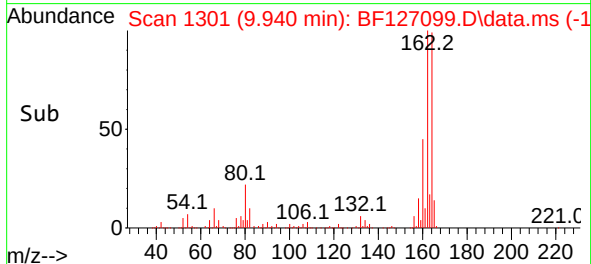
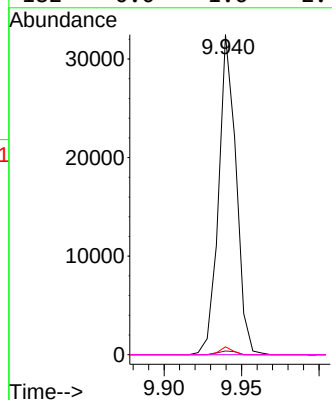
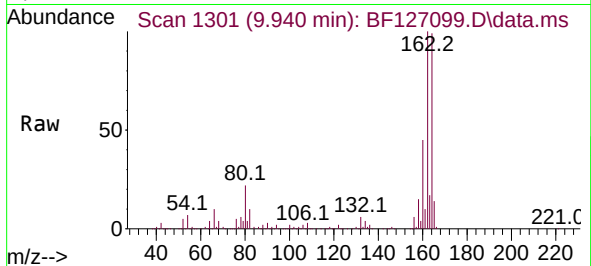




#57
2,4-Dinitrotoluene
Concen: 6.446 ng
RT: 9.940 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF127099.D
Acq: 28 Feb 2022 14:53

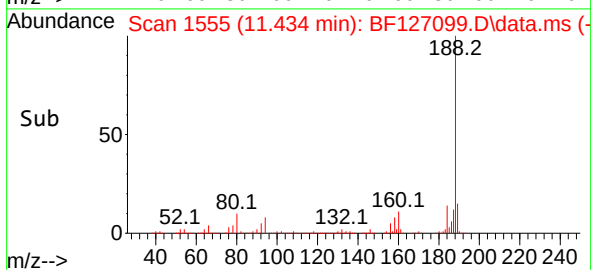
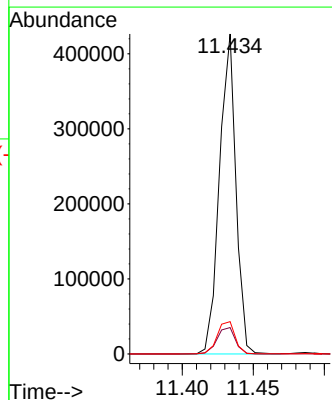
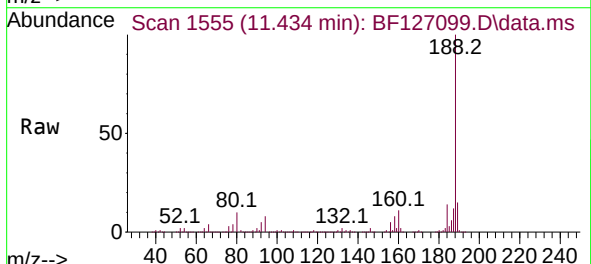
Instrument :
BNA_F
ClientSampleId :
TP-4

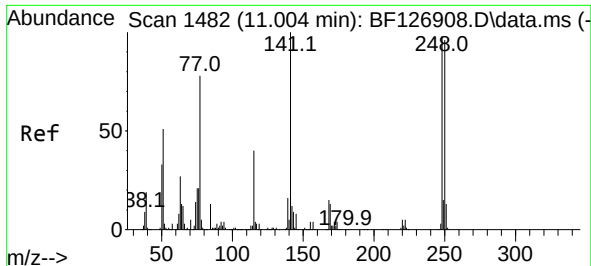
Tgt Ion:165 Resp: 25487
Ion Ratio Lower Upper
165 100
63 1.1 43.0 64.6#
89 2.5 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.434 min Scan# 1555
Delta R.T. -0.011 min
Lab File: BF127099.D
Acq: 28 Feb 2022 14:53

Tgt Ion:188 Resp: 342453
Ion Ratio Lower Upper
188 100
94 8.3 10.1 15.1#
80 10.1 11.8 17.6#

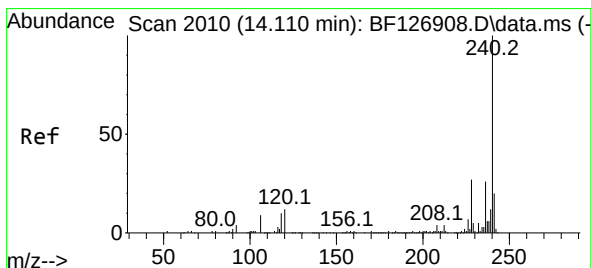
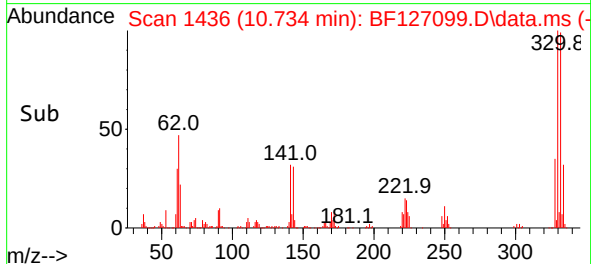
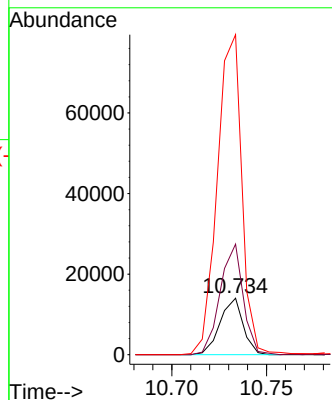
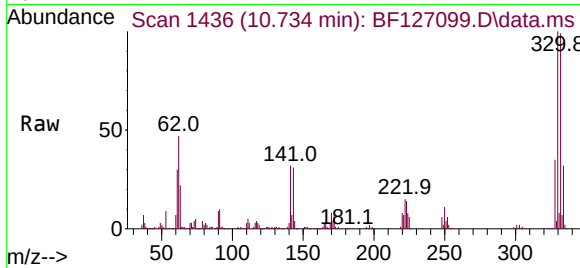




#67
4-Bromophenyl-phenylether
Concen: 3.117 ng
RT: 10.734 min Scan# 1482
Delta R.T. -0.253 min
Lab File: BF127099.D
Acq: 28 Feb 2022 14:53

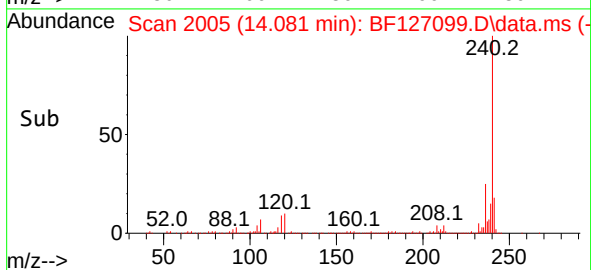
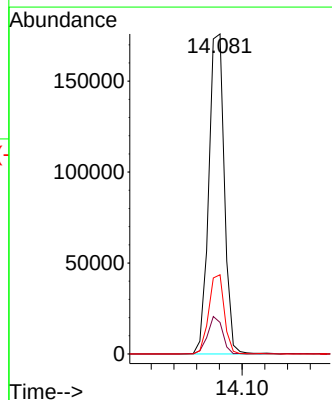
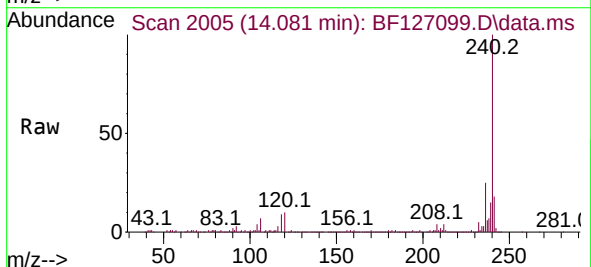
Instrument :
BNA_F
ClientSampleId :
TP-4

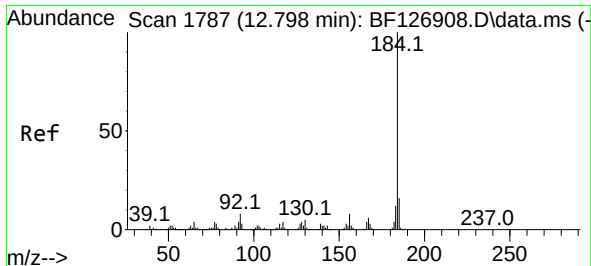
Tgt Ion:248 Resp: 11926
Ion Ratio Lower Upper
248 100
250 195.7 76.2 114.4#
141 566.0 66.2 99.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.081 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF127099.D
Acq: 28 Feb 2022 14:53

Tgt Ion:240 Resp: 166653
Ion Ratio Lower Upper
240 100
120 9.8 14.4 21.6#
236 24.7 20.5 30.7

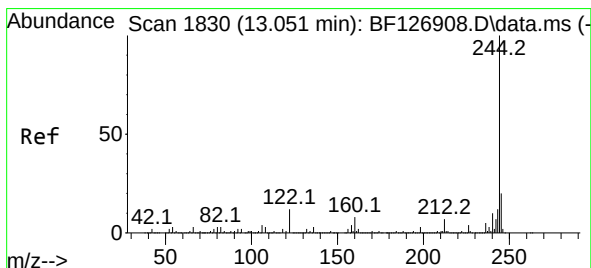
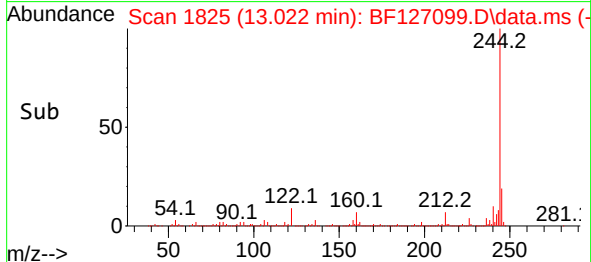
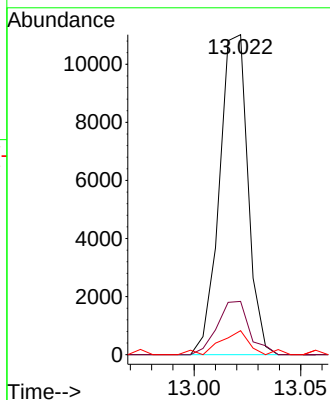
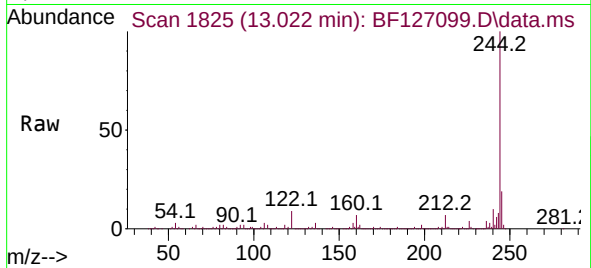




#77
Benzidine
Concen: 2.265 ng
RT: 13.022 min Scan# 1825
Delta R.T. 0.247 min
Lab File: BF127099.D
Acq: 28 Feb 2022 14:53

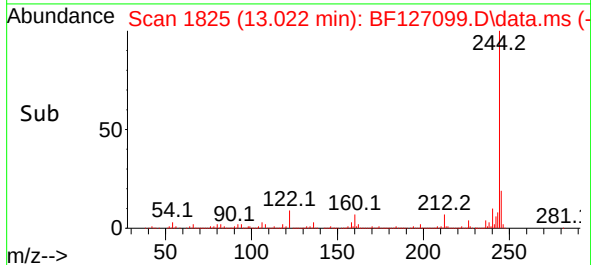
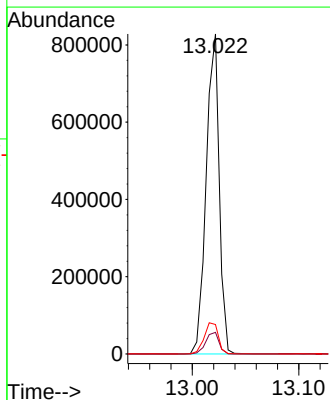
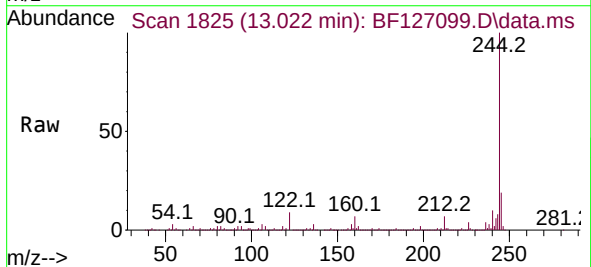
Instrument :
BNA_F
ClientSampleId :
TP-4

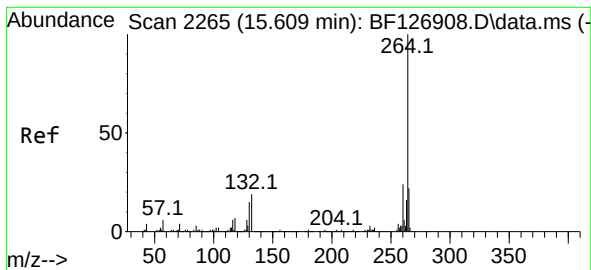
Tgt Ion:184 Resp: 10257
Ion Ratio Lower Upper
184 100
185 16.7 11.8 17.8
183 7.5 8.2 12.2#



#79
Terphenyl-d14
Concen: 62.156 ng
RT: 13.022 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF127099.D
Acq: 28 Feb 2022 14:53

Tgt Ion:244 Resp: 704640
Ion Ratio Lower Upper
244 100
212 6.7 5.0 7.4
122 9.2 13.3 19.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.575 min Scan# 21
Delta R.T. -0.011 min
Lab File: BF127099.D
Acq: 28 Feb 2022 14:53

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:264 Resp: 178077

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.5	17.4	26.2

