

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051322\
 Data File : BF128246.D
 Acq On : 13 May 2022 18:41
 Operator : CG\JU
 Sample : N2823-14
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-14

Quant Time: May 14 00:56:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 14 00:51:21 2022
 Response via : Initial Calibration

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

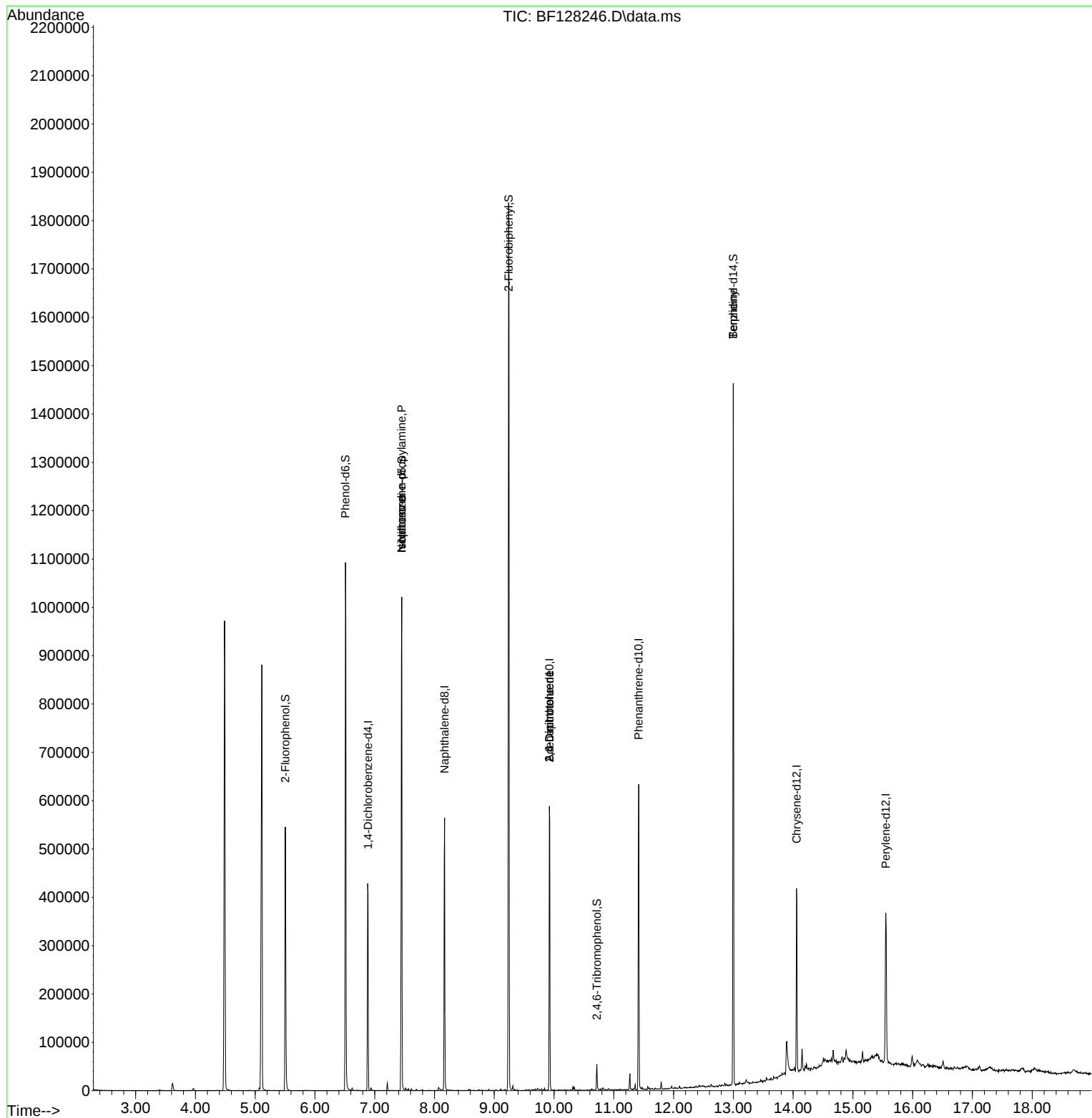
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	58911	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	226532	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	125646	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	211801	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	132952	20.000	ng	-0.01
86) Perylene-d12	15.551	264	139338	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	127895	34.608	ng	0.00
7) Phenol-d6	6.510	99	341621	69.892	ng	-0.02
23) Nitrobenzene-d5	7.451	82	329101	65.370	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	6289	4.364	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	540995	67.371	ng	-0.01
79) Terphenyl-d14	12.998	244	462264	65.242	ng	-0.01
Target Compounds						
						Qvalue
9) Benzaldehyde	6.510	77	543	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.451	70	44751	14.867	ng	# 78
25) Isophorone	7.451	82	329098	41.696	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	16222	9.121	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	16222	6.821	ng	# 25
77) Benzidine	12.998	184	6697	2.326	ng	# 93

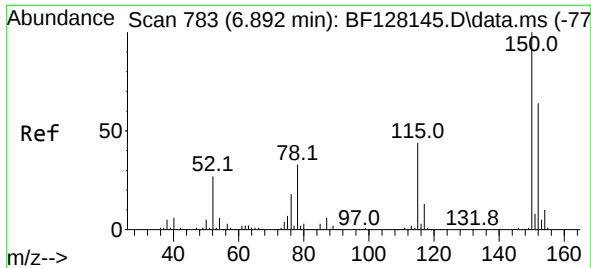
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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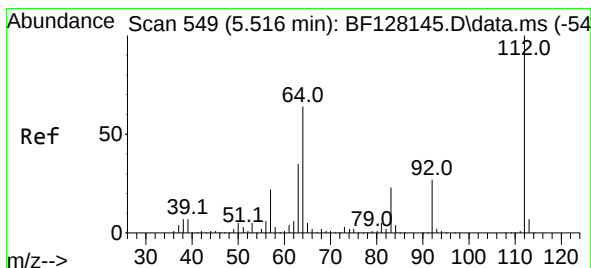
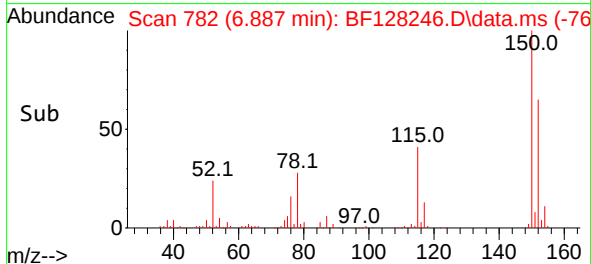
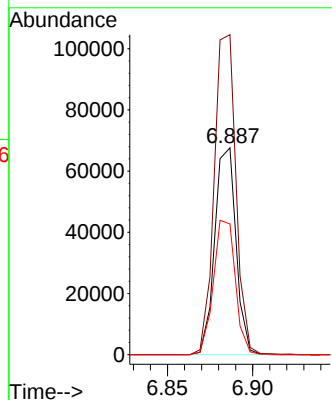
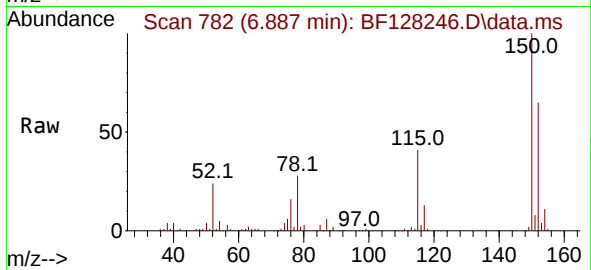




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128246.D
Acq: 13 May 2022 18:41

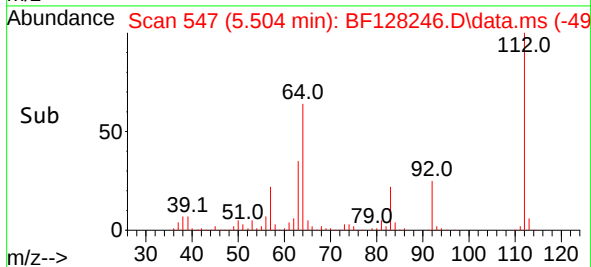
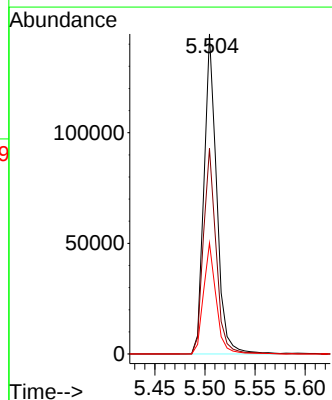
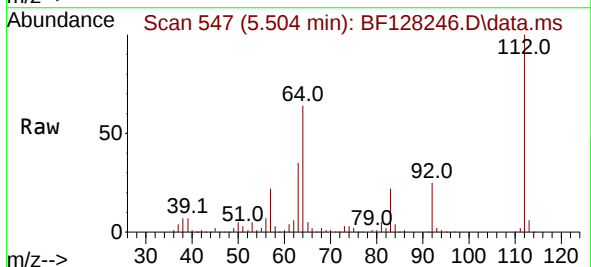
Instrument :
BNA_F
ClientSampleId :
SC-14

Tgt Ion:152 Resp: 58911
Ion Ratio Lower Upper
152 100
150 154.7 125.3 187.9
115 63.2 48.8 73.2



#5
2-Fluorophenol
Concen: 34.608 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.006 min
Lab File: BF128246.D
Acq: 13 May 2022 18:41

Tgt Ion:112 Resp: 127895
Ion Ratio Lower Upper
112 100
64 64.2 49.5 74.3
63 34.7 26.3 39.5

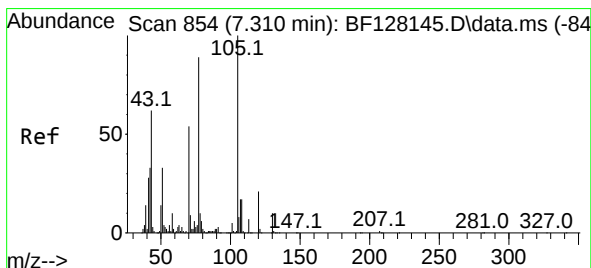
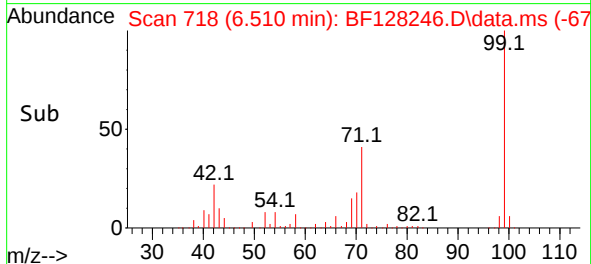
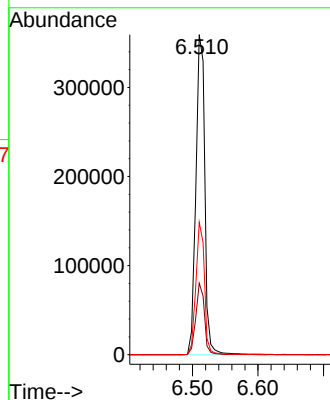
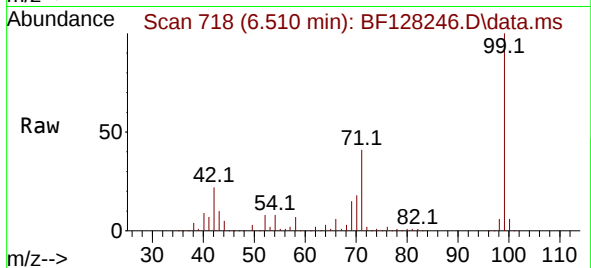




#7
Phenol-d6
Concen: 69.892 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128246.D
Acq: 13 May 2022 18:41

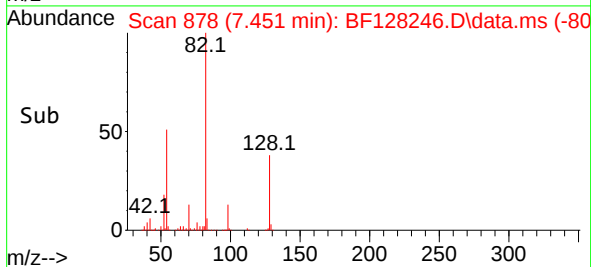
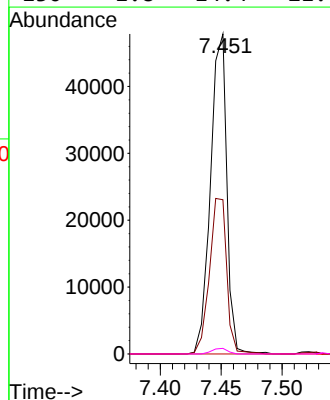
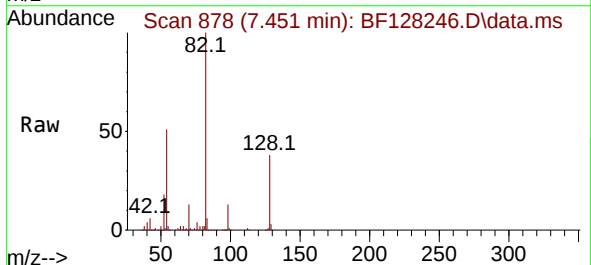
Instrument :
BNA_F
ClientSampleId :
SC-14

Tgt Ion: 99 Resp: 341621
Ion Ratio Lower Upper
99 100
42 22.3 16.6 24.8
71 41.4 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 14.867 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.147 min
Lab File: BF128246.D
Acq: 13 May 2022 18:41

Tgt Ion: 70 Resp: 44751
Ion Ratio Lower Upper
70 100
42 48.2 48.7 73.1#
101 0.0 7.2 10.8#
130 1.8 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128246.D

Acq: 13 May 2022 18:41

Instrument :

BNA_F

ClientSampleId :

SC-14

Tgt Ion:136 Resp: 226532

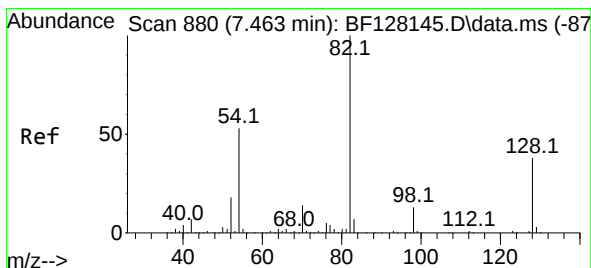
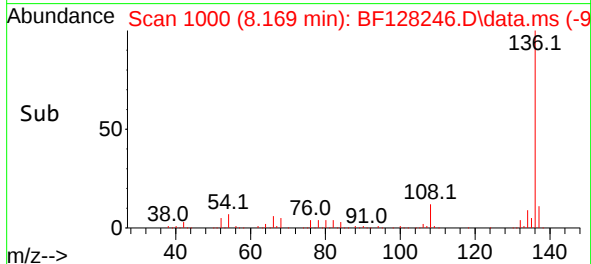
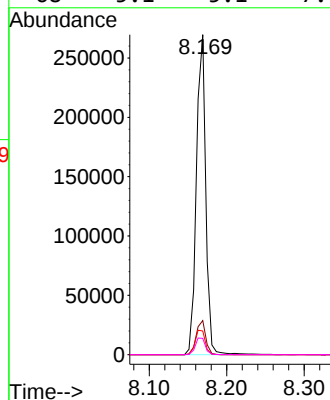
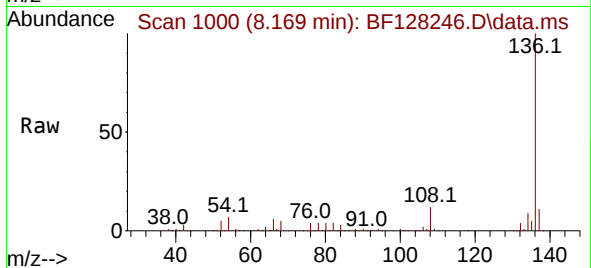
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 7.4 6.8 10.2

68 5.1 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 65.370 ng

RT: 7.451 min Scan# 878

Delta R.T. -0.012 min

Lab File: BF128246.D

Acq: 13 May 2022 18:41

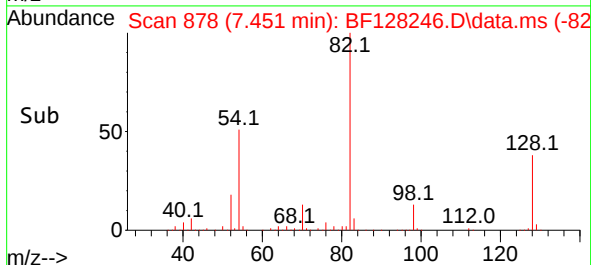
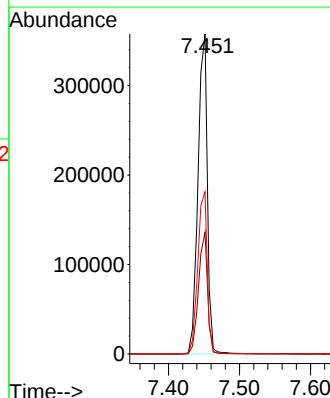
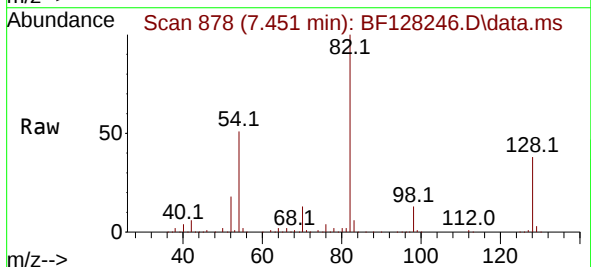
Tgt Ion: 82 Resp: 329101

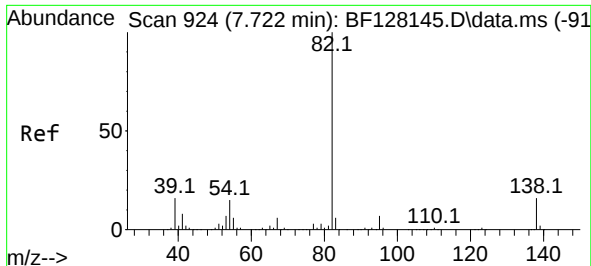
Ion Ratio Lower Upper

82 100

128 38.0 30.0 45.0

54 50.7 41.3 61.9

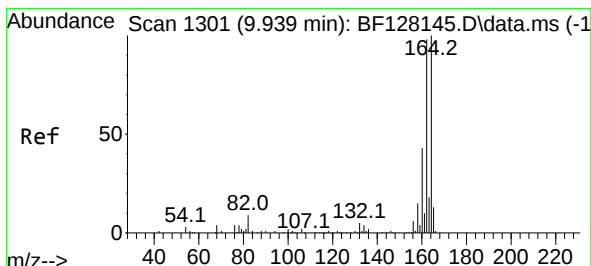
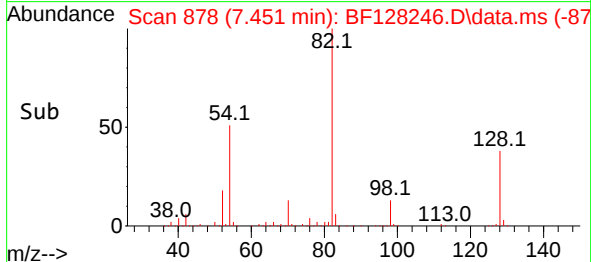
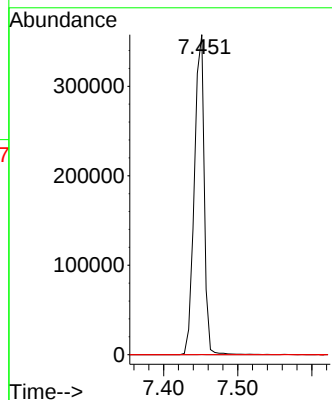
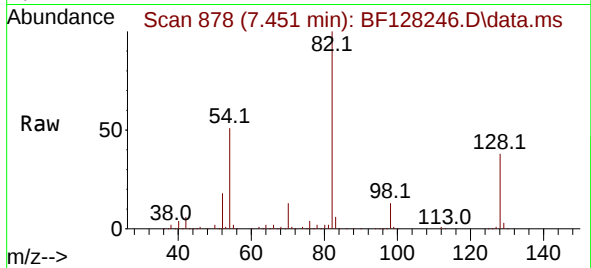




#25
Isophorone
Concen: 41.696 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128246.D
Acq: 13 May 2022 18:41

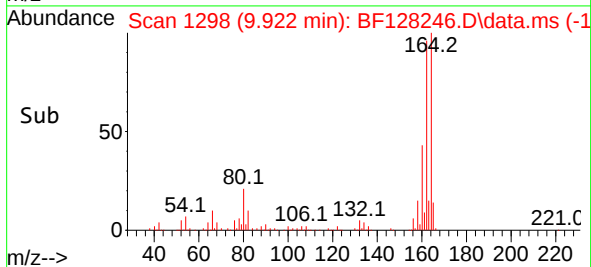
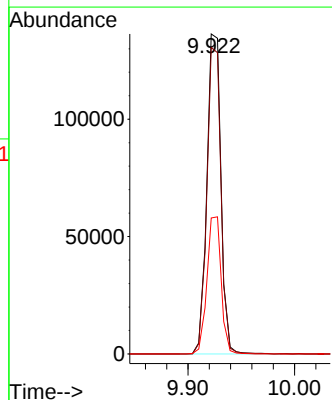
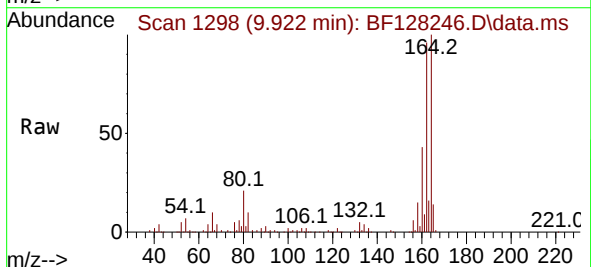
Instrument :
BNA_F
ClientSampleId :
SC-14

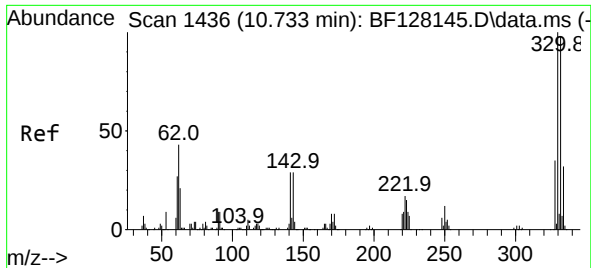
Tgt Ion: 82 Resp: 329098
Ion Ratio Lower Upper
82 100
95 0.1 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.012 min
Lab File: BF128246.D
Acq: 13 May 2022 18:41

Tgt Ion: 164 Resp: 125646
Ion Ratio Lower Upper
164 100
162 95.7 76.0 114.0
160 42.5 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 4.364 ng

RT: 10.716 min Scan# 1433

Delta R.T. -0.012 min

Lab File: BF128246.D

Acq: 13 May 2022 18:41

Instrument :

BNA_F

ClientSampleId :

SC-14

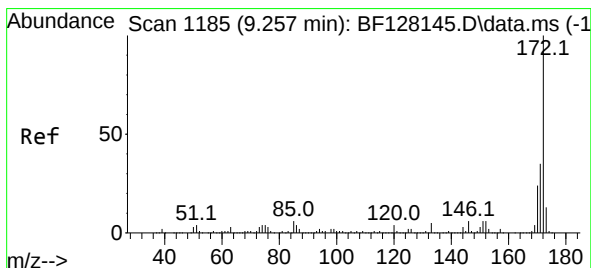
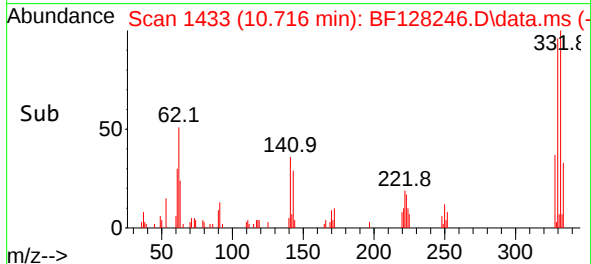
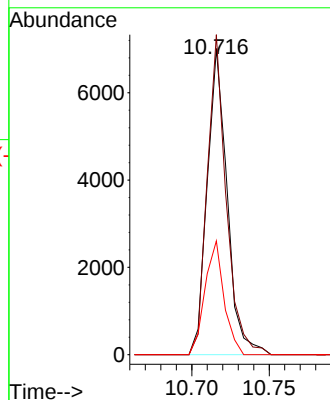
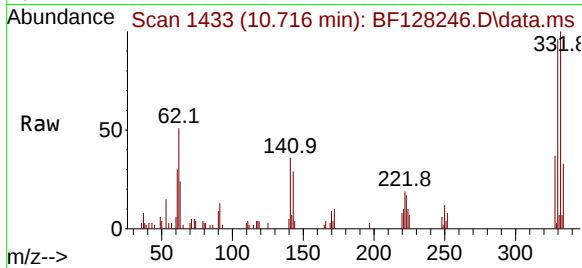
Tgt Ion:330 Resp: 6289

Ion Ratio Lower Upper

330 100

332 99.1 79.0 118.4

141 35.4 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 67.371 ng

RT: 9.239 min Scan# 1182

Delta R.T. -0.012 min

Lab File: BF128246.D

Acq: 13 May 2022 18:41

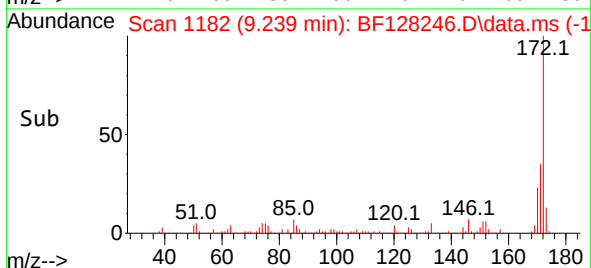
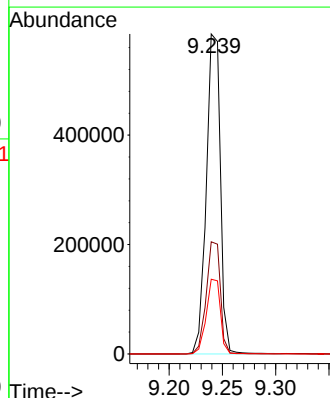
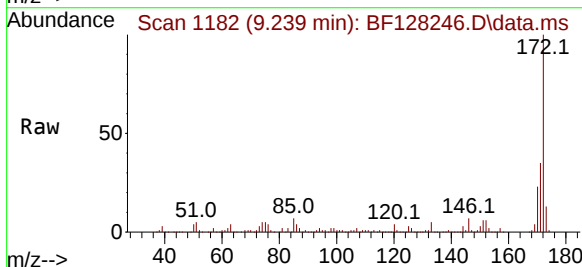
Tgt Ion:172 Resp: 540995

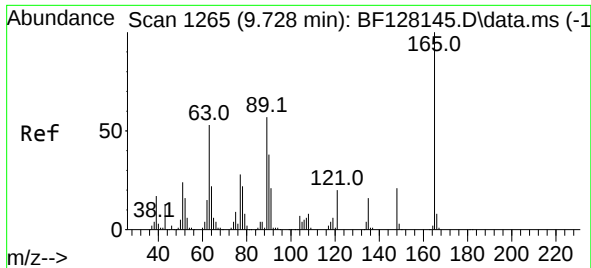
Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.4 19.1 28.7

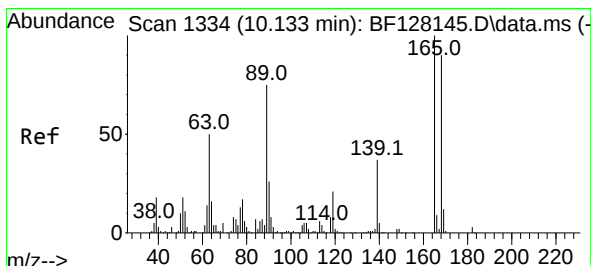
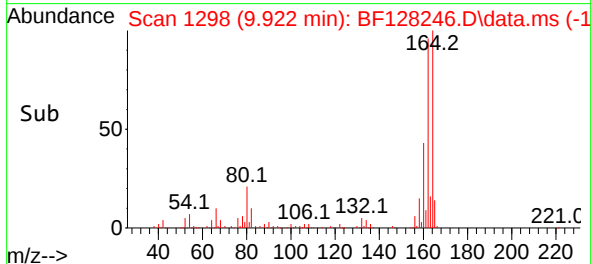
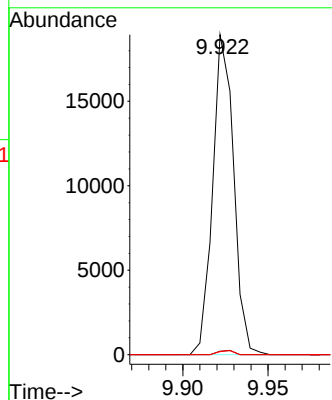
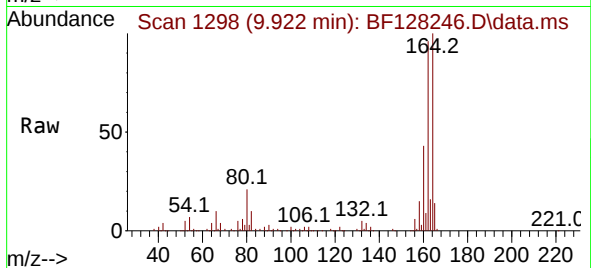




#51
2,6-Dinitrotoluene
Concen: 9.121 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF128246.D
Acq: 13 May 2022 18:41

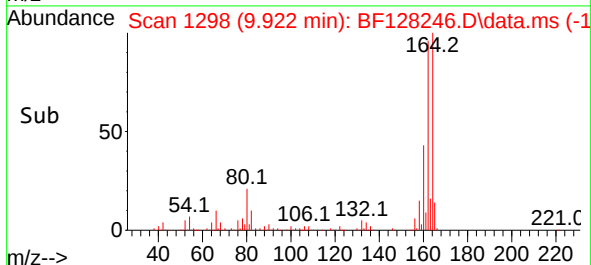
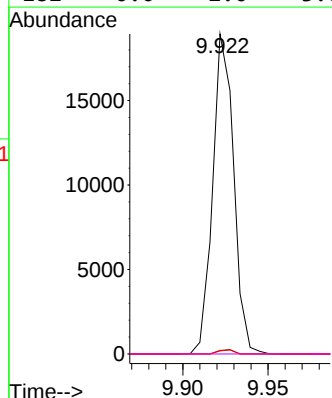
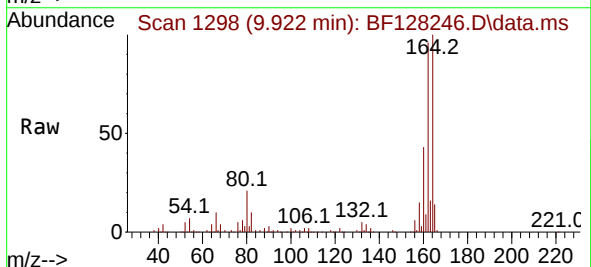
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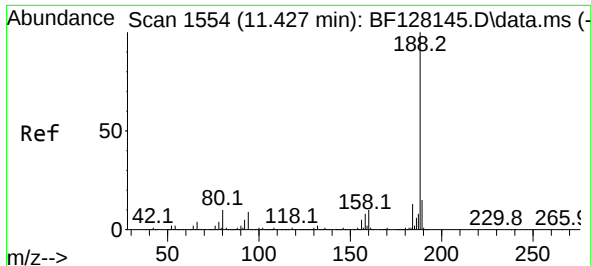
Tgt Ion:165 Resp: 16222
Ion Ratio Lower Upper
165 100
63 1.1 49.5 74.3#
89 0.9 49.0 73.4#



#57
2,4-Dinitrotoluene
Concen: 6.821 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.206 min
Lab File: BF128246.D
Acq: 13 May 2022 18:41

Tgt Ion:165 Resp: 16222
Ion Ratio Lower Upper
165 100
63 1.1 32.6 49.0#
89 0.9 55.2 82.8#
182 0.0 2.0 3.0#

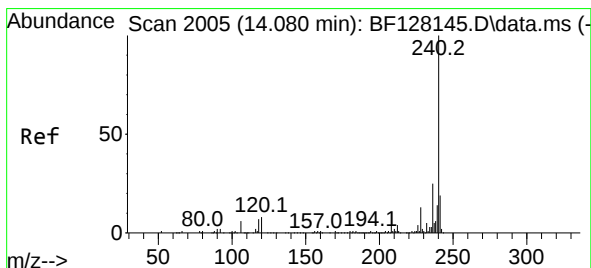
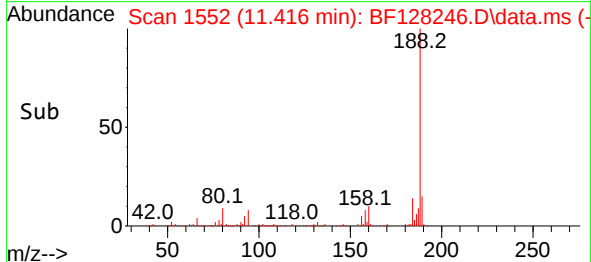
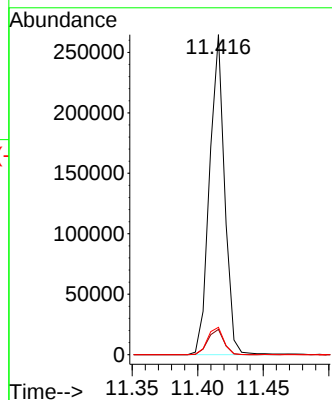
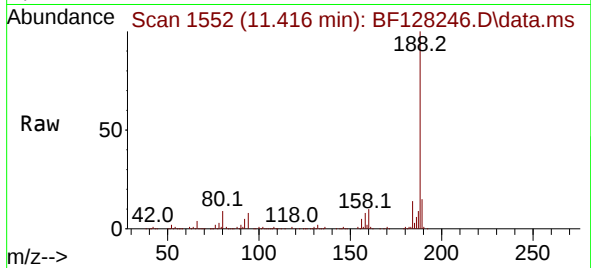




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128246.D
Acq: 13 May 2022 18:41

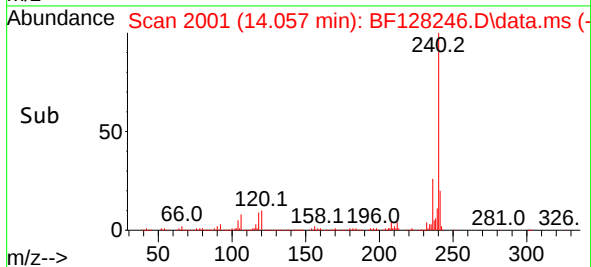
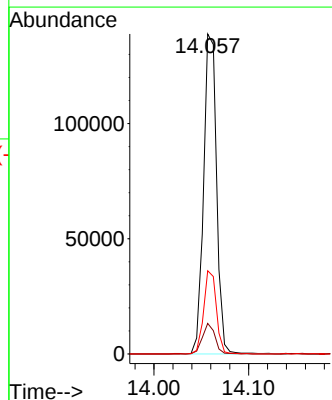
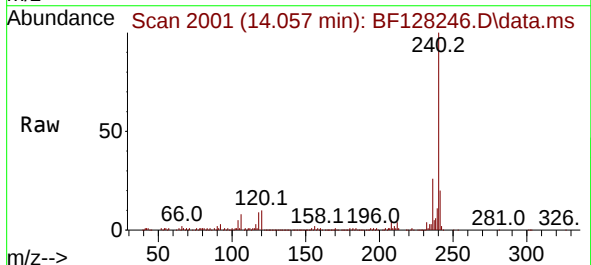
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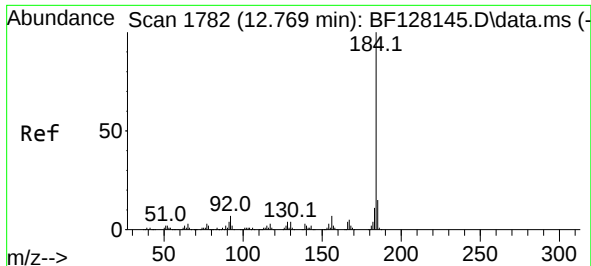
Tgt Ion:188 Resp: 211801
Ion Ratio Lower Upper
188 100
94 7.9 8.0 12.0#
80 8.5 8.9 13.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF128246.D
Acq: 13 May 2022 18:41

Tgt Ion:240 Resp: 132952
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.6
236 26.0 20.3 30.5

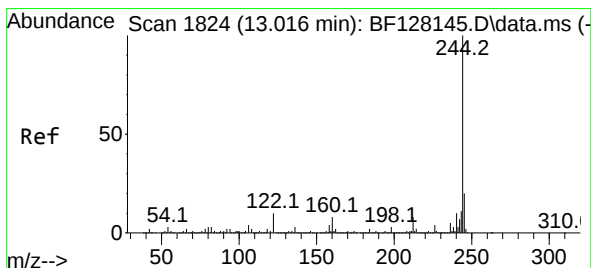
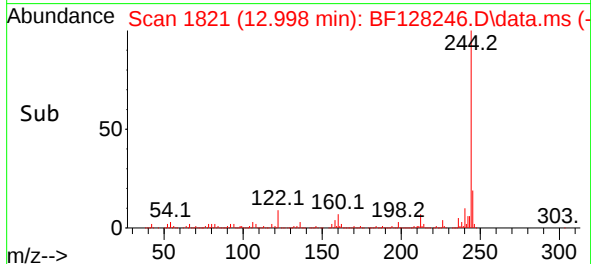
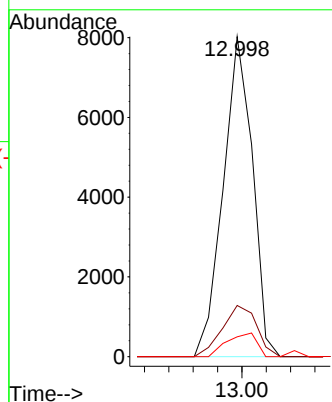
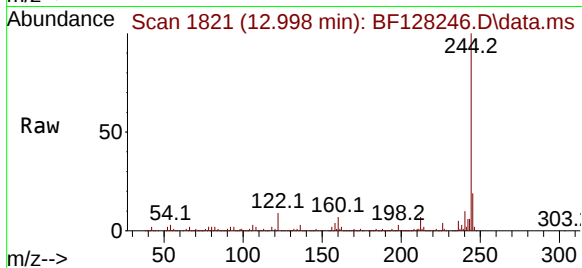




#77
Benzidine
Concen: 2.326 ng
RT: 12.998 min Scan# 1821
Delta R.T. 0.241 min
Lab File: BF128246.D
Acq: 13 May 2022 18:41

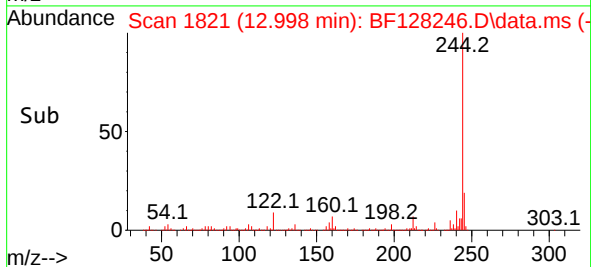
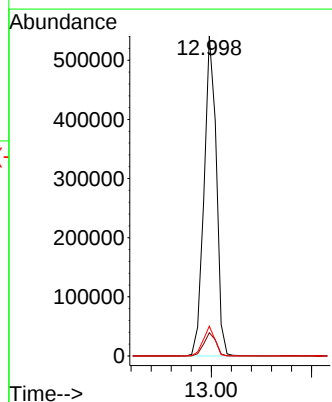
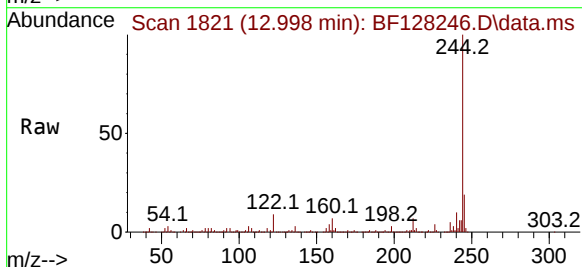
Instrument :
BNA_F
ClientSampleId :
SC-14

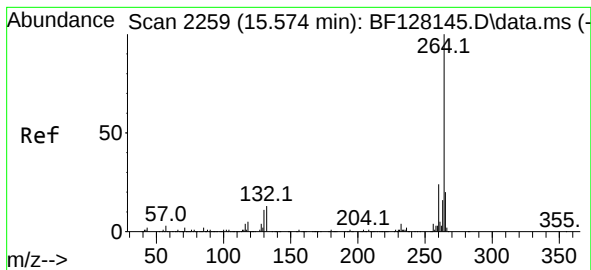
Tgt Ion:184 Resp: 6697
Ion Ratio Lower Upper
184 100
185 16.0 12.1 18.1
183 6.2 9.0 13.4#



#79
Terphenyl-d14
Concen: 65.242 ng
RT: 12.998 min Scan# 1821
Delta R.T. -0.012 min
Lab File: BF128246.D
Acq: 13 May 2022 18:41

Tgt Ion:244 Resp: 462264
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.4
122 9.3 8.6 12.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF128246.D
Acq: 13 May 2022 18:41

Instrument :
BNA_F
ClientSampleId :
SC-14

Tgt Ion:264 Resp: 139338
Ion Ratio Lower Upper
264 100
260 23.4 20.1 30.1
265 21.7 17.5 26.3

