

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122022\
 Data File : BF131725.D
 Acq On : 20 Dec 2022 21:42
 Operator : CG\JU
 Sample : N6037-21
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-27-(2.5-4.5)

Quant Time: Dec 21 04:48:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 03:12:37 2022
 Response via : Initial Calibration

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

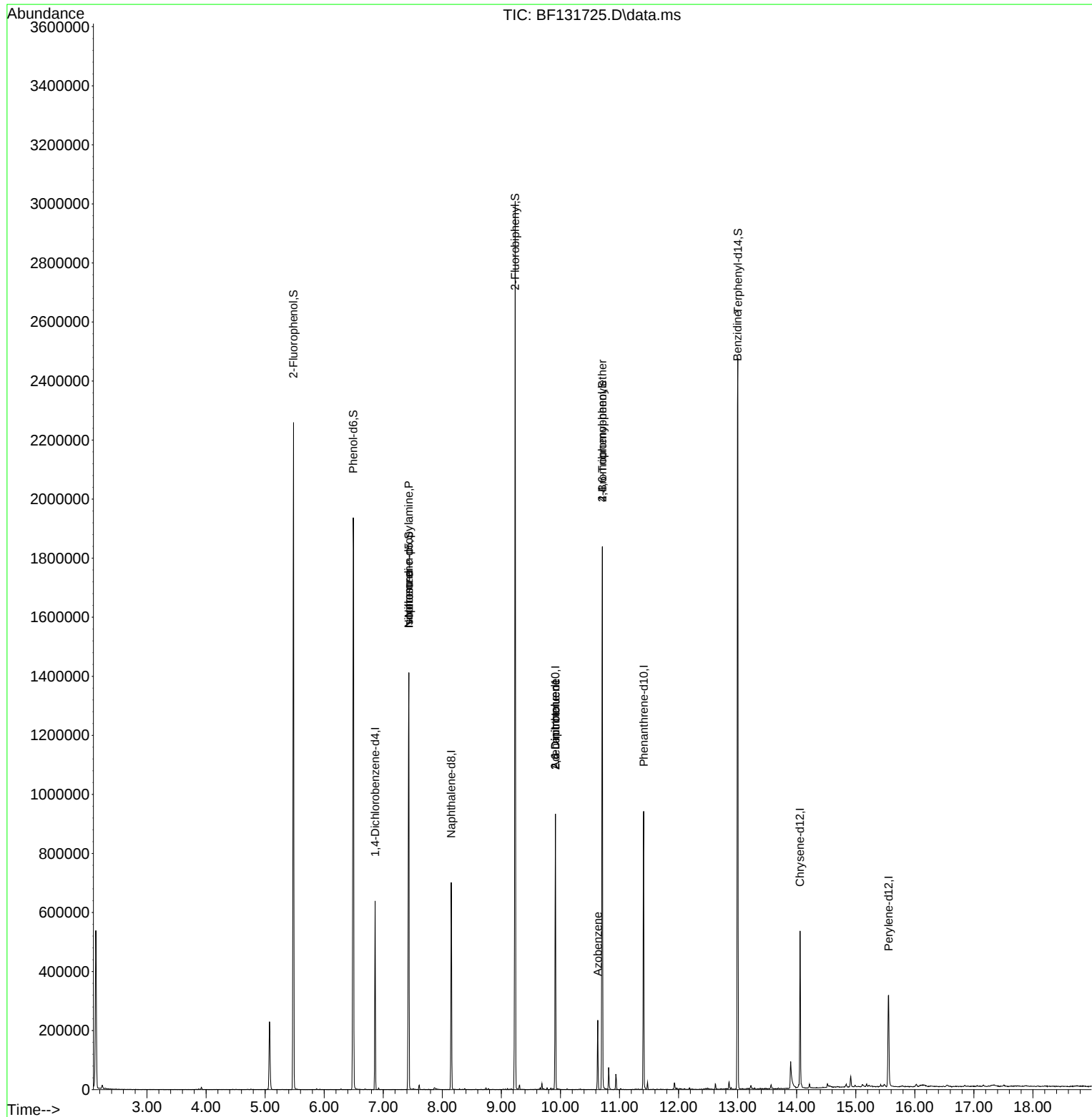
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	78722	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	290050	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	170728	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	334209	20.000	ng	0.00
76) Chrysene-d12	14.057	240	162566	20.000	ng	0.00
86) Perylene-d12	15.557	264	157462	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	548211	117.264	ng	0.00
7) Phenol-d6	6.492	99	719022	114.268	ng	-0.01
23) Nitrobenzene-d5	7.434	82	498019	69.704	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	190789	102.098	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	832125	68.276	ng	0.00
79) Terphenyl-d14	13.004	244	883799	84.730	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.416	77	56	Below Cal	#	5
19) n-Nitroso-di-n-propyla...	7.434	70	68430	15.079	ng	# 78
25) Isophorone	7.434	82	496093	40.886	ng	# 70
51) 2,6-Dinitrotoluene	9.916	165	22056	7.985	ng	# 19
57) 2,4-Dinitrotoluene	9.916	165	22056	5.942	ng	# 18
63) Azobenzene	10.633	77	39600	2.913	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	13061	3.309	ng	# 1
77) Benzidine	12.998	184	12848	4.310	ng	# 91

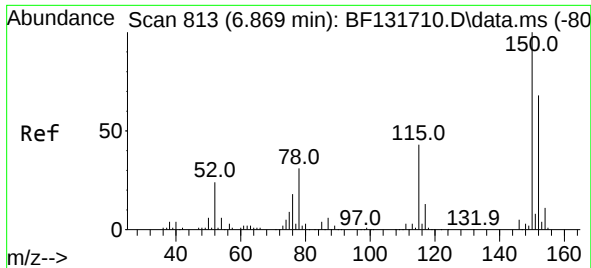
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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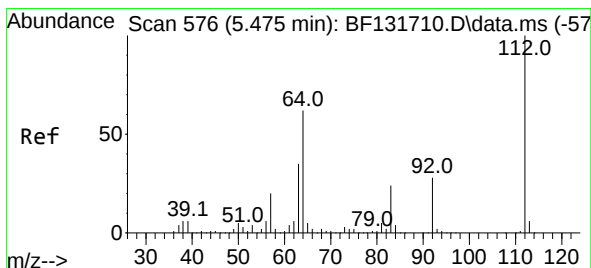
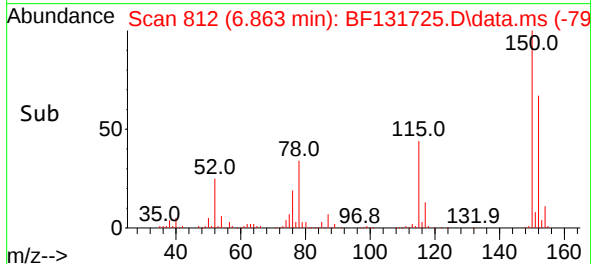
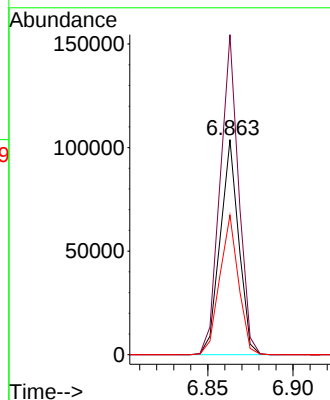
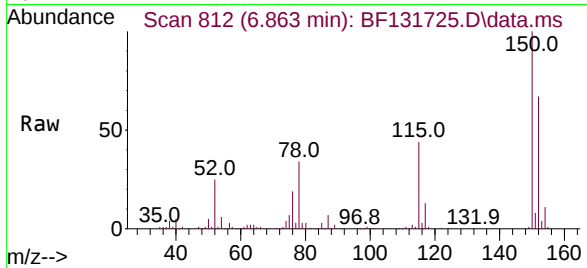




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF131725.D
Acq: 20 Dec 2022 21:42

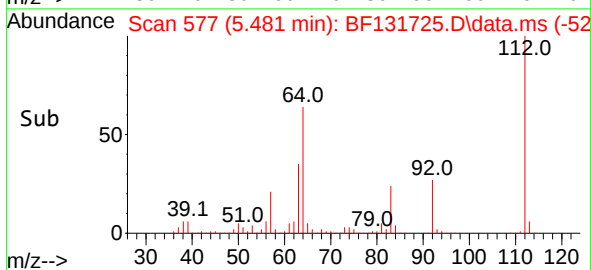
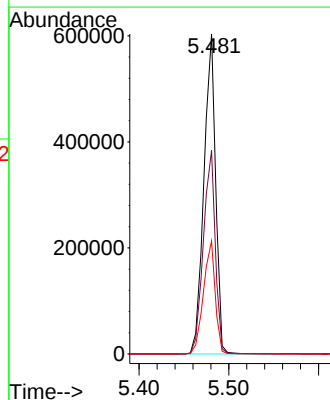
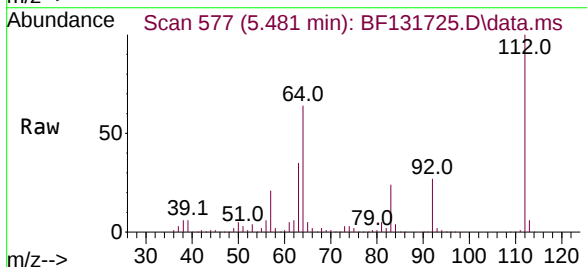
Instrument :
BNA_F
ClientSampleId :
RB-27-(2.5-4.5)

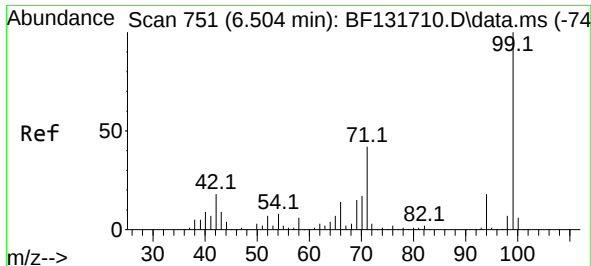
Tgt Ion:152 Resp: 78722
Ion Ratio Lower Upper
152 100
150 148.8 117.4 176.0
115 64.9 50.2 75.4



#5
2-Fluorophenol
Concen: 117.264 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF131725.D
Acq: 20 Dec 2022 21:42

Tgt Ion:112 Resp: 548211
Ion Ratio Lower Upper
112 100
64 63.6 49.5 74.3
63 35.3 28.2 42.2

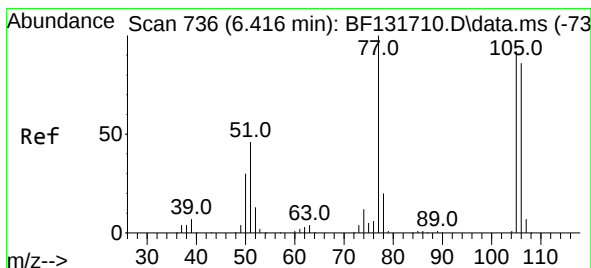
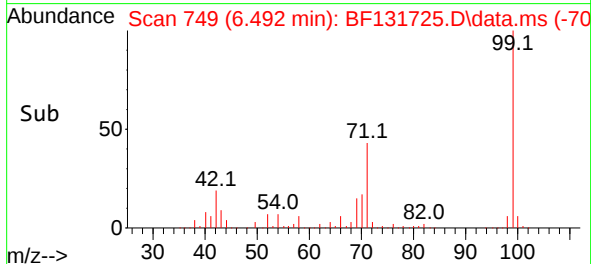
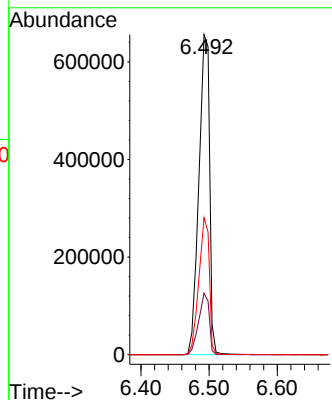
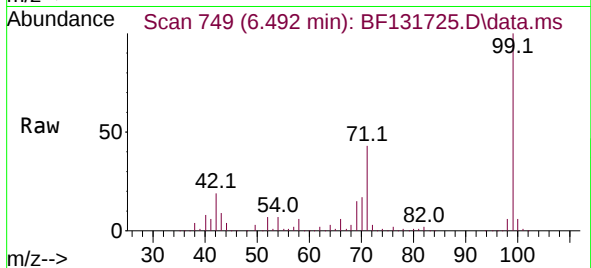




#7
Phenol-d6
Concen: 114.268 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF131725.D
Acq: 20 Dec 2022 21:42

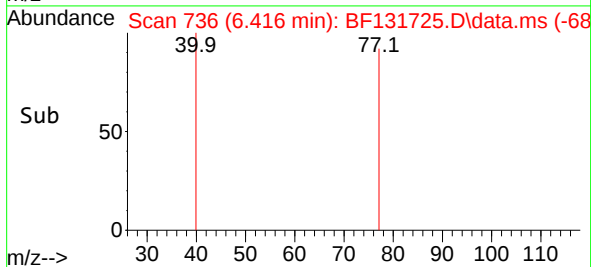
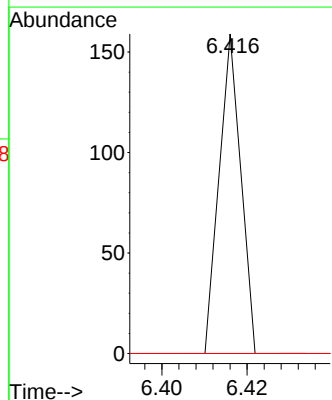
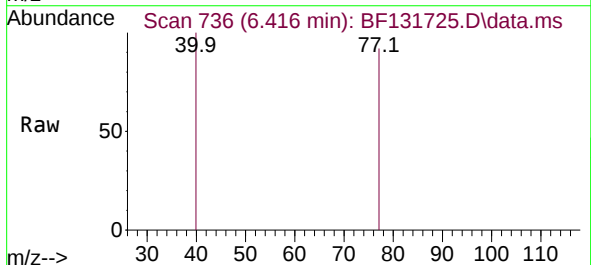
Instrument :
BNA_F
ClientSampleId :
RB-27-(2.5-4.5)

Tgt Ion: 99 Resp: 719022
Ion Ratio Lower Upper
99 100
42 19.2 14.8 22.2
71 42.8 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.416 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF131725.D
Acq: 20 Dec 2022 21:42

Tgt Ion: 77 Resp: 56
Ion Ratio Lower Upper
77 100
105 0.0 72.4 112.4#
106 0.0 66.5 106.5#

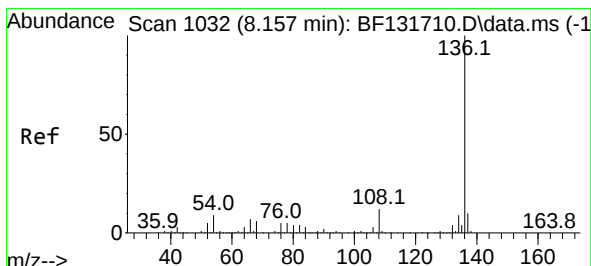
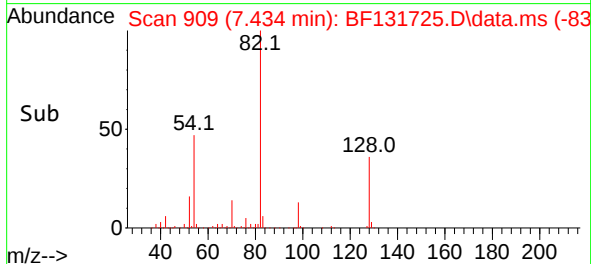
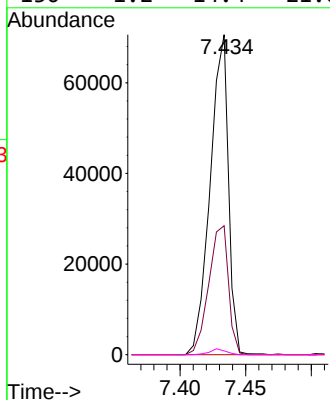
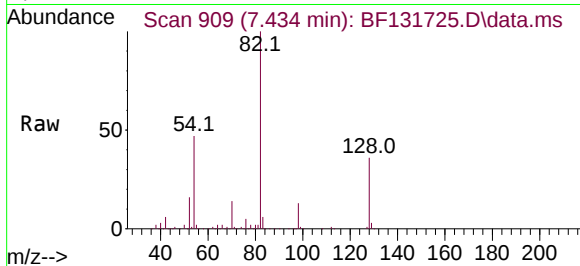




#19
n-Nitroso-di-n-propylamine
Concen: 15.079 ng
RT: 7.434 min Scan# 90
Delta R.T. 0.141 min
Lab File: BF131725.D
Acq: 20 Dec 2022 21:42

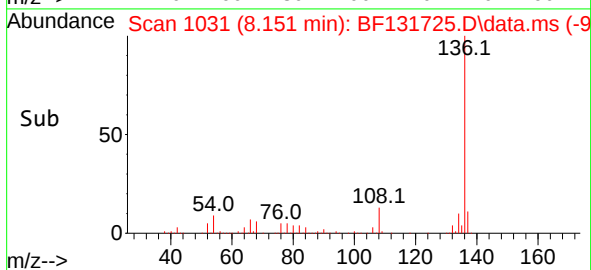
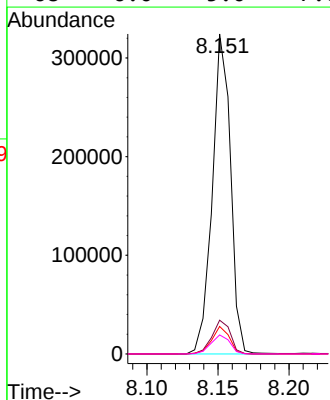
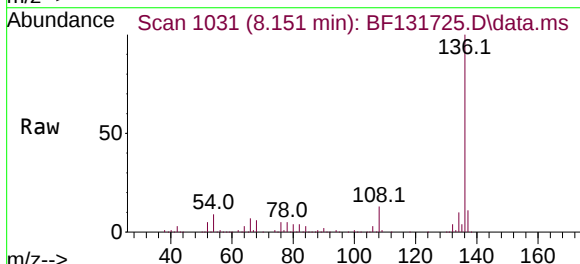
Instrument :
BNA_F
ClientSampleId :
RB-27-(2.5-4.5)

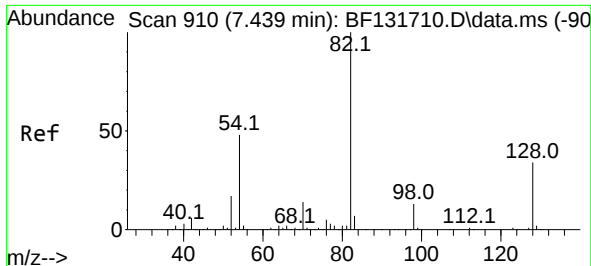
Tgt Ion: 70	Resp: 68430
Ion Ratio	Lower Upper
70 100	
42 40.3	41.5 62.3#
101 0.0	7.3 10.9#
130 1.2	14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF131725.D
Acq: 20 Dec 2022 21:42

Tgt Ion: 136	Resp: 290050
Ion Ratio	Lower Upper
136 100	
137 10.5	8.4 12.6
54 8.6	7.2 10.8
68 6.0	5.0 7.6





#23

Nitrobenzene-d5

Concen: 69.704 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF131725.D

Acq: 20 Dec 2022 21:42

Instrument :

BNA_F

ClientSampleId :

RB-27-(2.5-4.5)

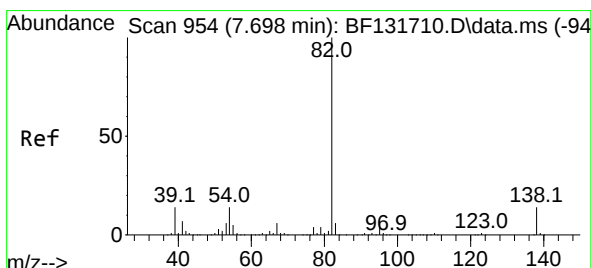
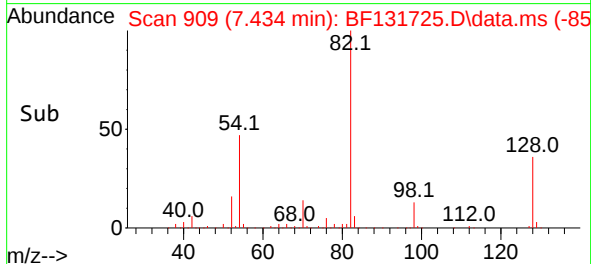
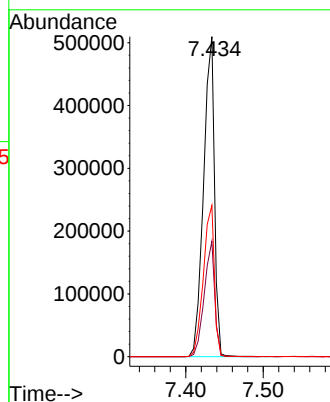
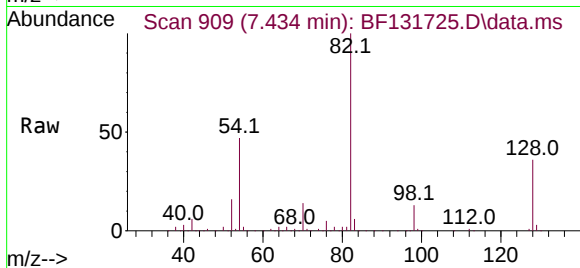
Tgt Ion: 82 Resp: 498019

Ion Ratio Lower Upper

82 100

128 36.1 27.3 40.9

54 47.2 38.2 57.2



#25

Isophorone

Concen: 40.886 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.265 min

Lab File: BF131725.D

Acq: 20 Dec 2022 21:42

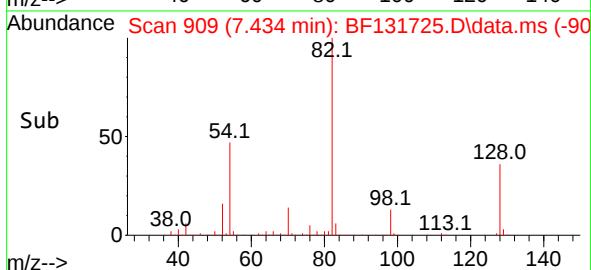
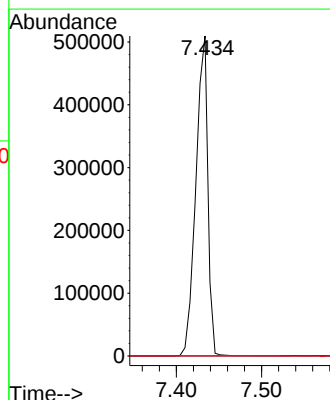
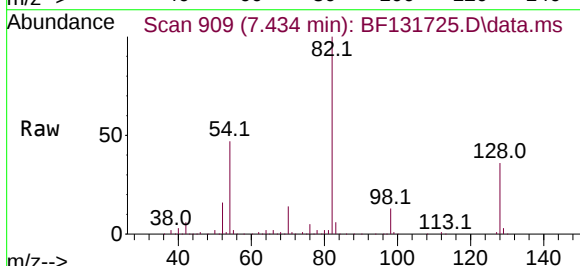
Tgt Ion: 82 Resp: 496093

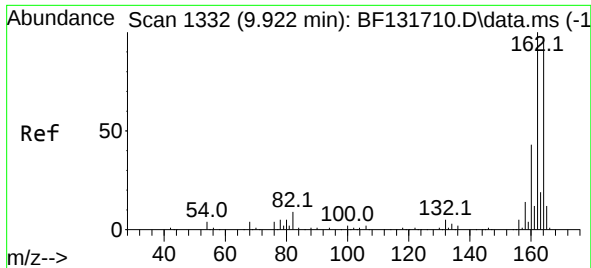
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.6 17.4#

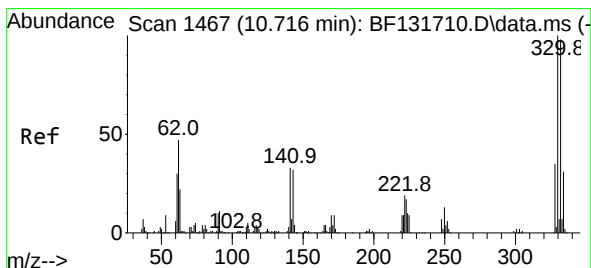
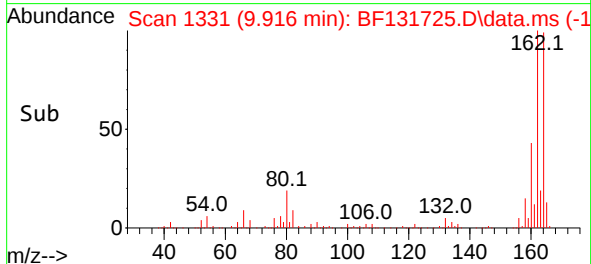
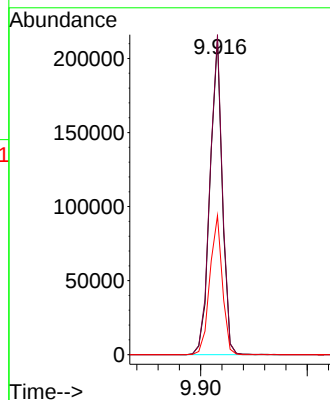
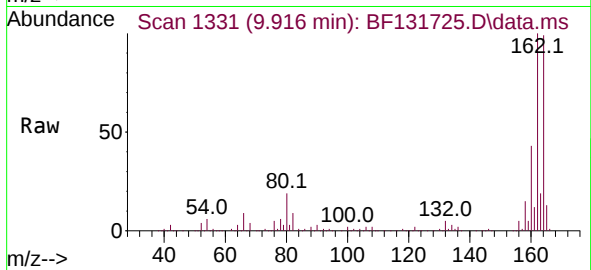




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF131725.D
Acq: 20 Dec 2022 21:42

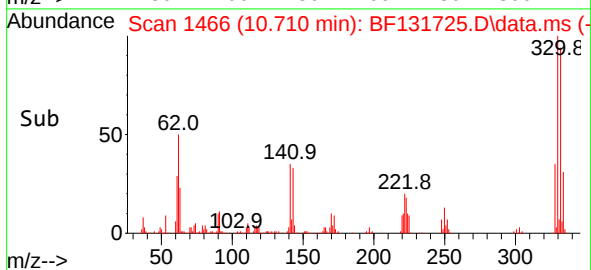
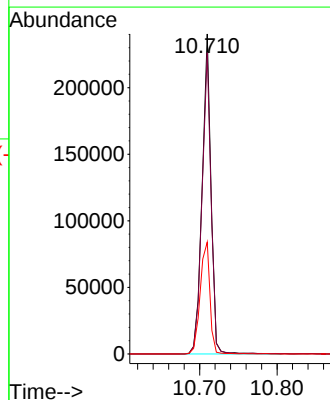
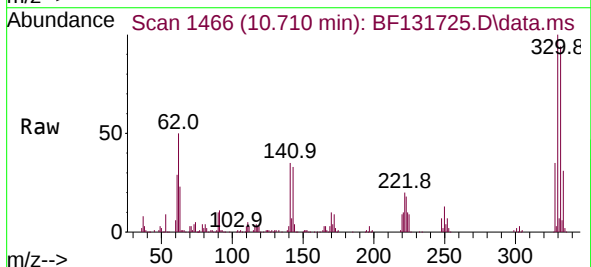
Instrument :
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RB-27-(2.5-4.5)

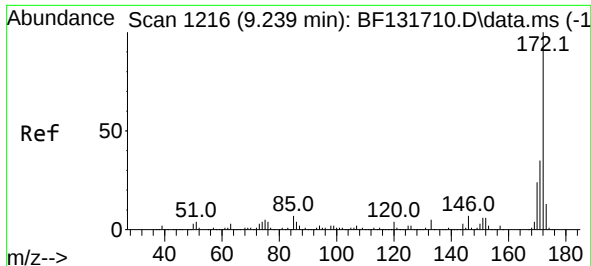
Tgt Ion:164 Resp: 170728
Ion Ratio Lower Upper
164 100
162 101.2 83.7 125.5
160 44.0 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 102.098 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF131725.D
Acq: 20 Dec 2022 21:42

Tgt Ion:330 Resp: 190789
Ion Ratio Lower Upper
330 100
332 95.5 77.1 115.7
141 38.5 30.4 45.6





#45

2-Fluorobiphenyl

Concen: 68.276 ng

RT: 9.233 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131725.D

Acq: 20 Dec 2022 21:42

Instrument :

BNA_F

ClientSampleId :

RB-27-(2.5-4.5)

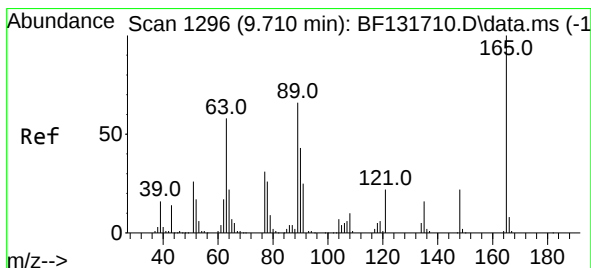
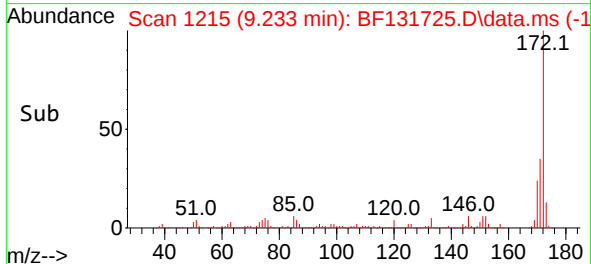
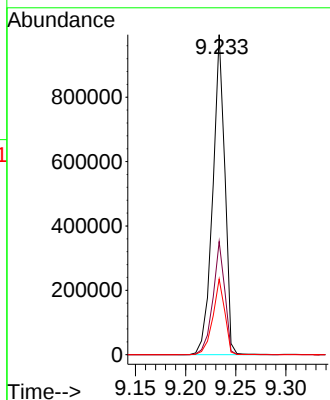
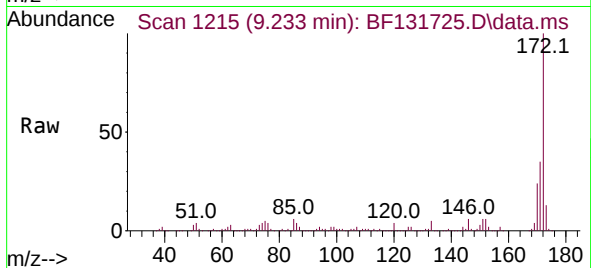
Tgt Ion:172 Resp: 832125

Ion Ratio Lower Upper

172 100

171 35.4 27.9 41.9

170 23.7 19.0 28.4



#51

2,6-Dinitrotoluene

Concen: 7.985 ng

RT: 9.916 min Scan# 1331

Delta R.T. 0.206 min

Lab File: BF131725.D

Acq: 20 Dec 2022 21:42

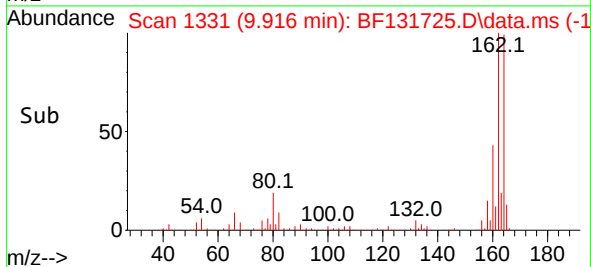
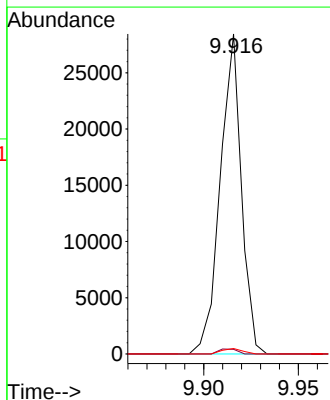
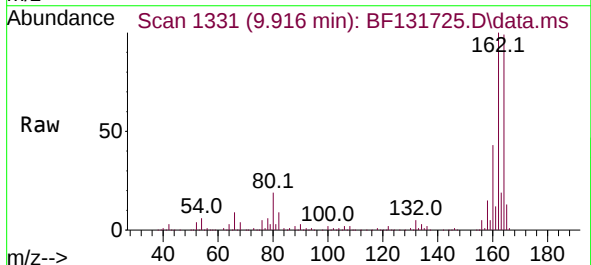
Tgt Ion:165 Resp: 22056

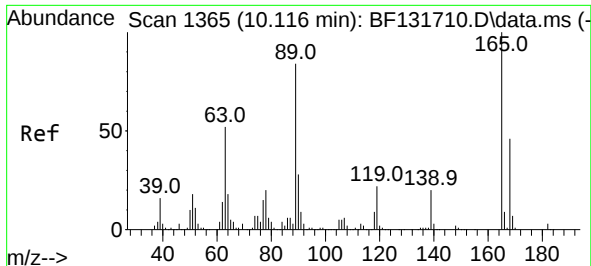
Ion Ratio Lower Upper

165 100

63 1.5 51.8 77.8#

89 1.7 53.2 79.8#

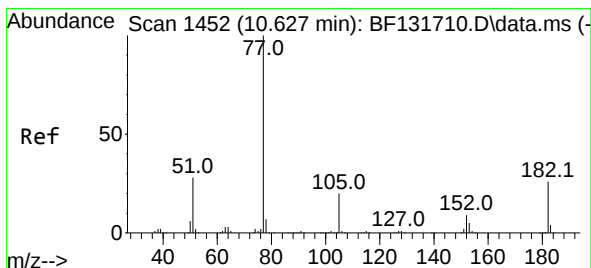
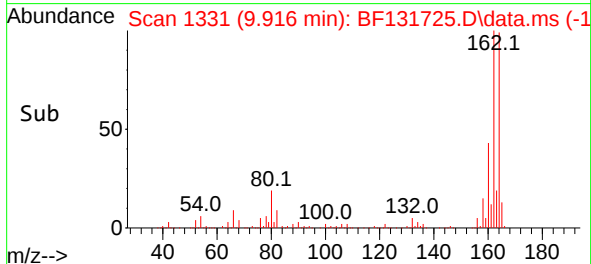
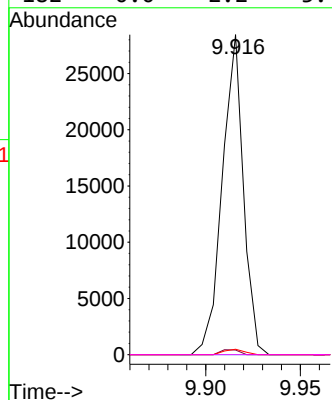
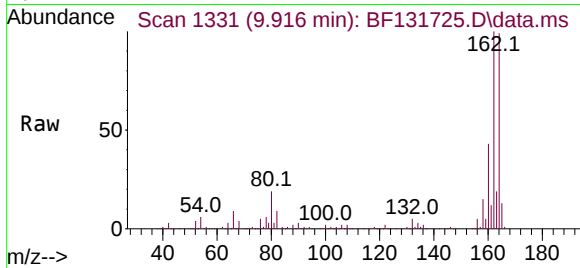




#57
2,4-Dinitrotoluene
Concen: 5.942 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF131725.D
Acq: 20 Dec 2022 21:42

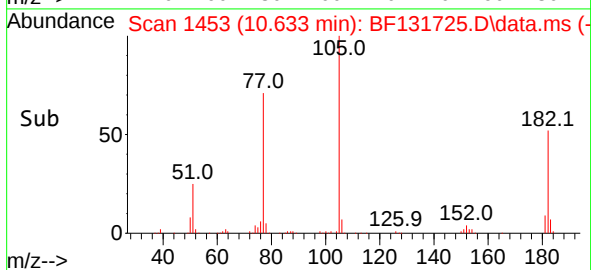
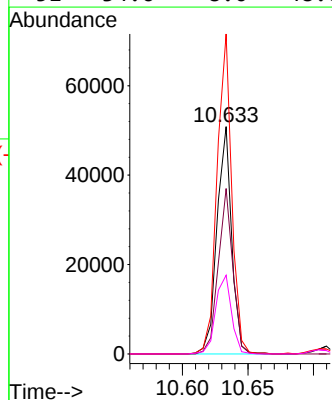
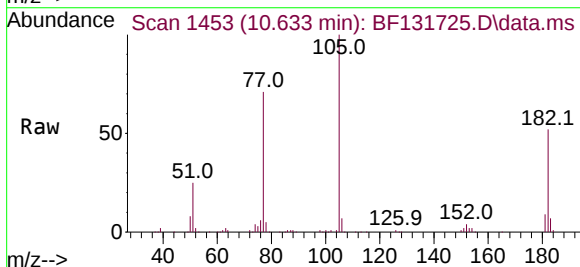
Instrument :
BNA_F
ClientSampleId :
RB-27-(2.5-4.5)

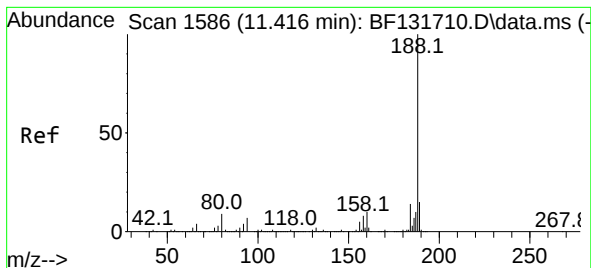
Tgt Ion:165 Resp: 22056
Ion Ratio Lower Upper
165 100
63 1.5 41.5 62.3#
89 1.7 67.0 100.4#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 2.913 ng
RT: 10.633 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF131725.D
Acq: 20 Dec 2022 21:42

Tgt Ion: 77 Resp: 39600
Ion Ratio Lower Upper
77 100
182 72.7 5.8 45.8#
105 140.7 0.0 39.7#
51 34.6 8.0 48.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131725.D

Acq: 20 Dec 2022 21:42

Instrument :

BNA_F

ClientSampleId :

RB-27-(2.5-4.5)

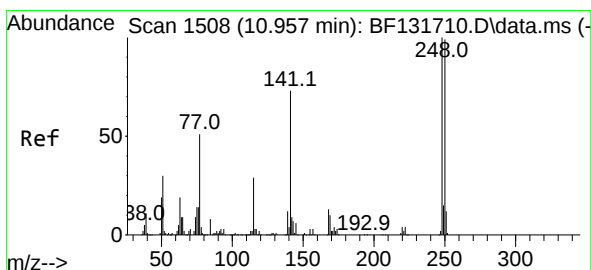
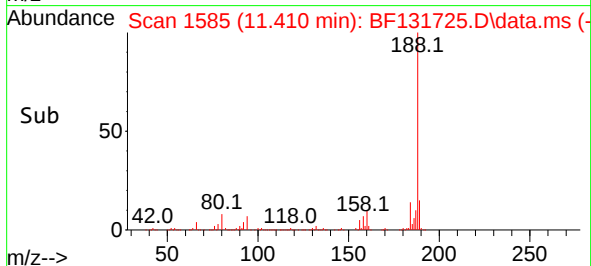
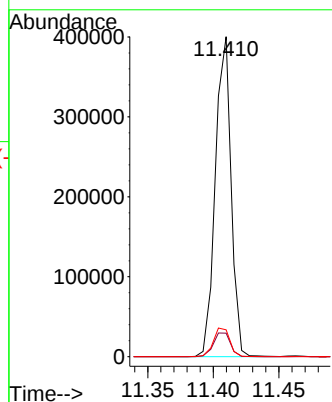
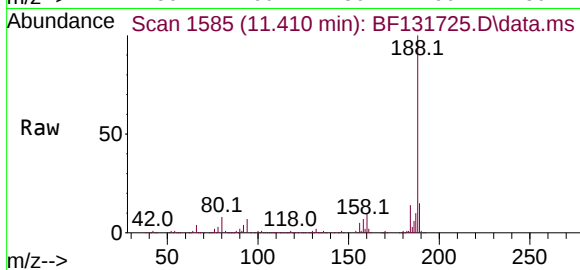
Tgt Ion:188 Resp: 334209

Ion Ratio Lower Upper

188 100

94 7.3 5.9 8.9

80 8.4 7.0 10.6



#67

4-Bromophenyl-phenylether

Concen: 3.309 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.247 min

Lab File: BF131725.D

Acq: 20 Dec 2022 21:42

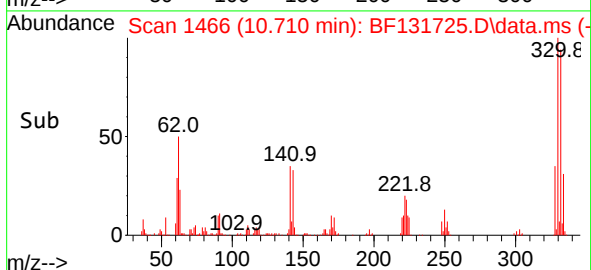
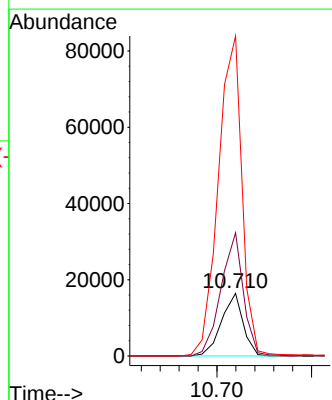
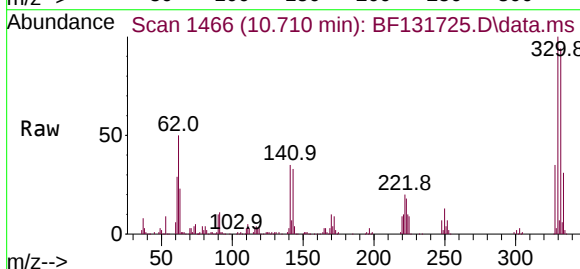
Tgt Ion:248 Resp: 13061

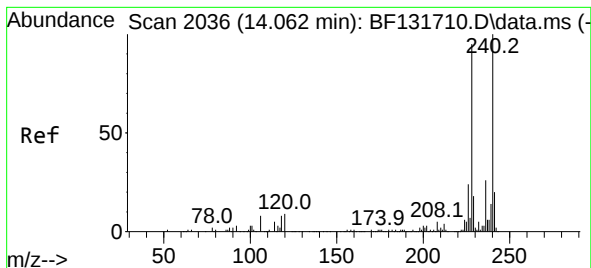
Ion Ratio Lower Upper

248 100

250 196.8 79.4 119.0#

141 511.4 58.1 87.1#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF131725.D

Acq: 20 Dec 2022 21:42

Instrument :

BNA_F

ClientSampleId :

RB-27-(2.5-4.5)

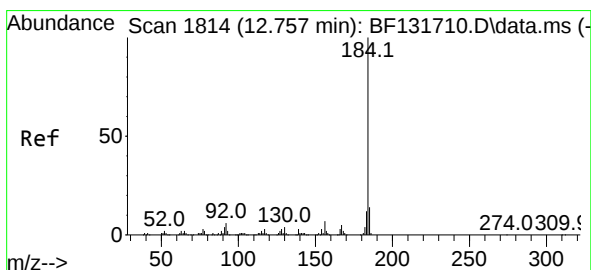
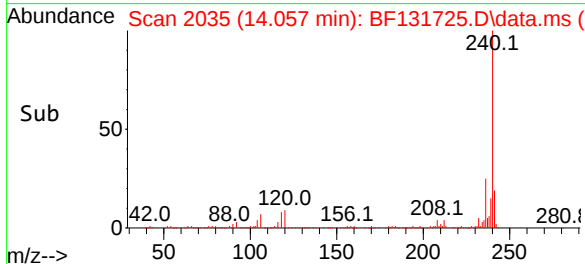
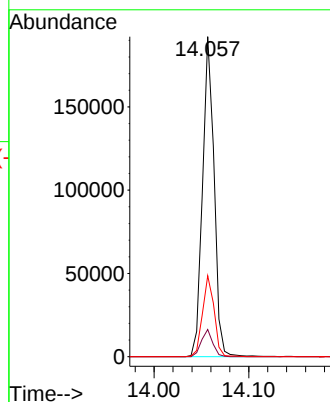
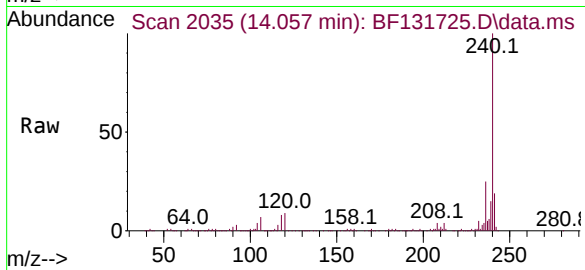
Tgt Ion:240 Resp: 162566

Ion Ratio Lower Upper

240 100

120 8.5 7.6 11.4

236 25.3 21.2 31.8



#77

Benidine

Concen: 4.310 ng

RT: 12.998 min Scan# 1855

Delta R.T. 0.241 min

Lab File: BF131725.D

Acq: 20 Dec 2022 21:42

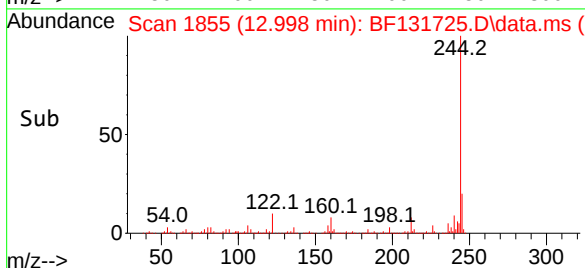
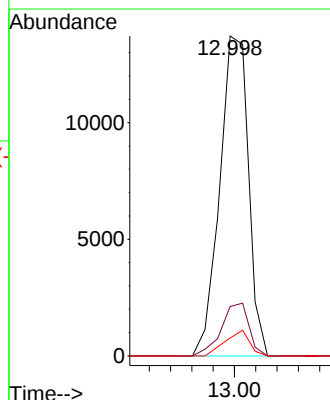
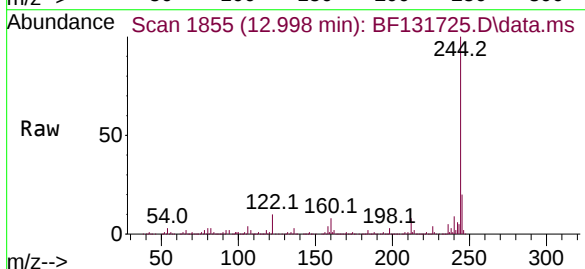
Tgt Ion:184 Resp: 12848

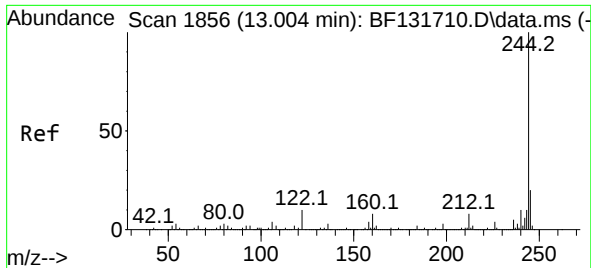
Ion Ratio Lower Upper

184 100

185 15.5 11.3 16.9

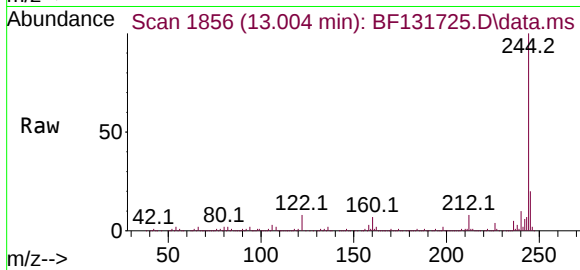
183 5.6 9.3 13.9#



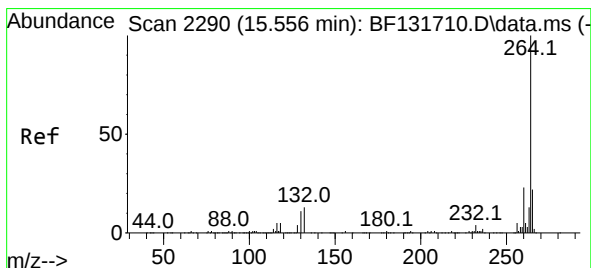
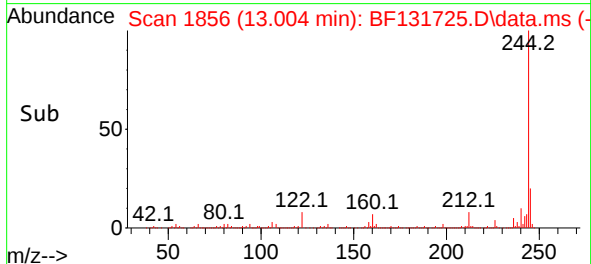
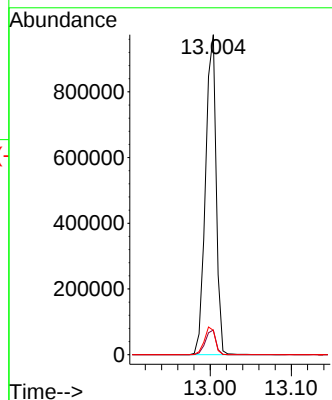


#79
 Terphenyl-d14
 Concen: 84.730 ng
 RT: 13.004 min Scan# 1856
 Delta R.T. 0.000 min
 Lab File: BF131725.D
 Acq: 20 Dec 2022 21:42

Instrument :
 BNA_F
 ClientSampleId :
 RB-27-(2.5-4.5)



Tgt Ion:244 Resp: 883799
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.5 9.7
 122 7.6 7.7 11.5#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2290
 Delta R.T. 0.000 min
 Lab File: BF131725.D
 Acq: 20 Dec 2022 21:42

Tgt Ion:264 Resp: 157462
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 28.0
 265 20.6 17.4 26.2

