

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042823\
 Data File : BF133132.D
 Acq On : 28 Apr 2023 20:54
 Operator : CG\JU
 Sample : 02503-16
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-305A-COMP-03

Quant Time: May 01 03:08:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 03:03:04 2023
 Response via : Initial Calibration

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

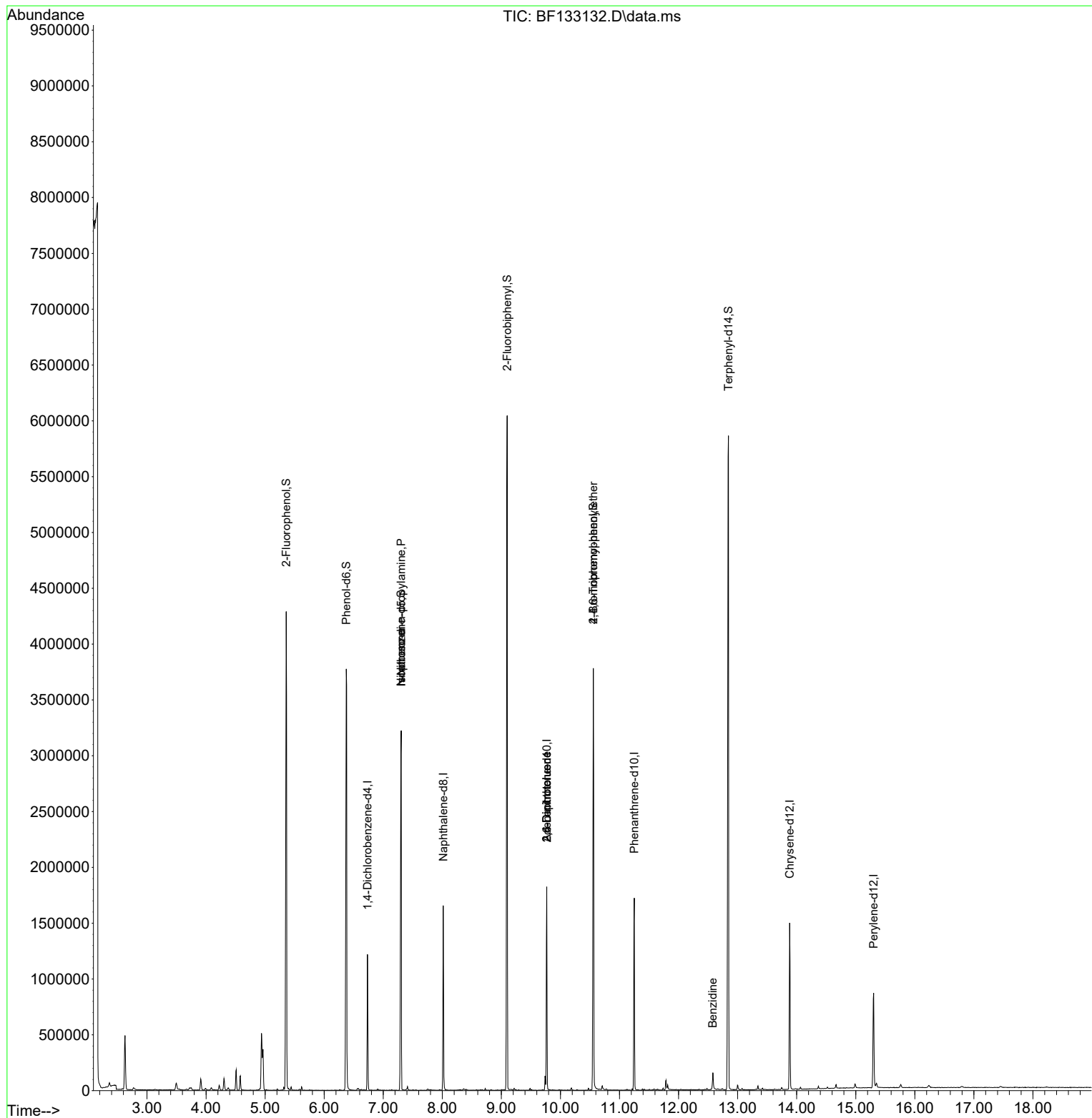
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	158075	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	639960	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	332836	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	608420	20.000	ng	0.00
76) Chrysene-d12	13.880	240	457918	20.000	ng	-0.01
86) Perylene-d12	15.304	264	372566	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1414209	135.146	ng	0.02
7) Phenol-d6	6.375	99	1582333	121.827	ng	0.00
23) Nitrobenzene-d5	7.304	82	1122678	94.691	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	533303	159.323	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1907785	95.895	ng	0.00
79) Terphenyl-d14	12.845	244	2486461	93.648	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.287	77	262	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	7.304	70	146257	18.088	ng	# 76
25) Isophorone	7.304	82	1122657	49.872	ng	# 63
51) 2,6-Dinitrotoluene	9.769	165	42971	8.226	ng	# 25
57) 2,4-Dinitrotoluene	9.769	165	42971	6.451	ng	# 23
67) 4-Bromophenyl-phenylether	10.557	248	33703	5.108	ng	# 1
77) Benzidine	12.580	184	53025	6.848	ng	94

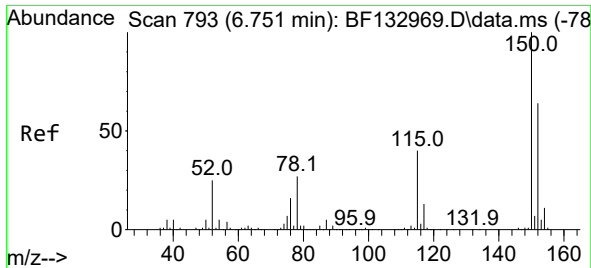
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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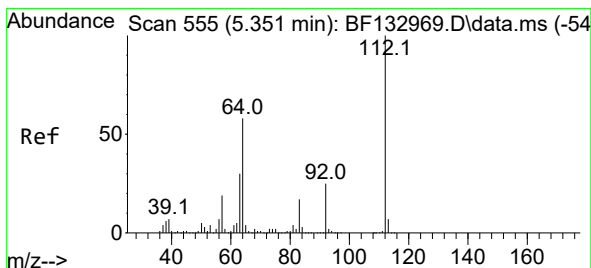
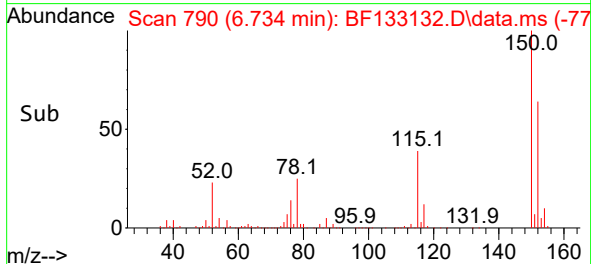
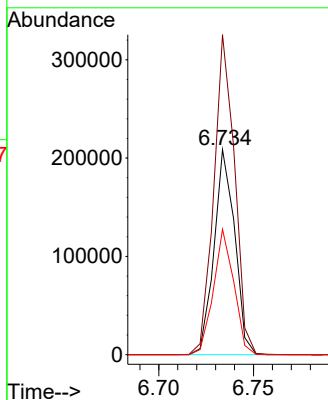
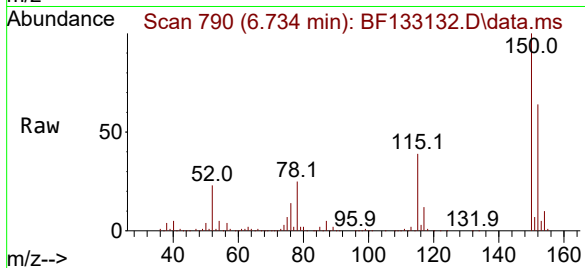




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133132.D
Acq: 28 Apr 2023 20:54

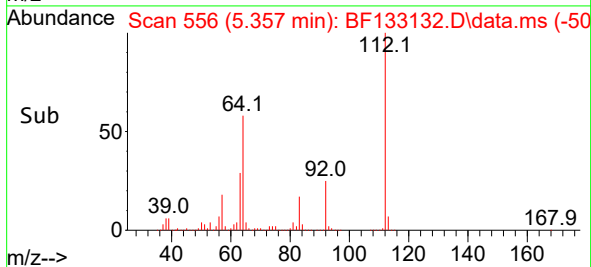
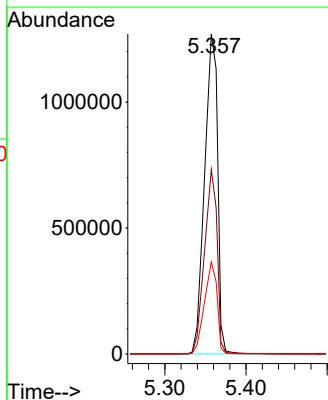
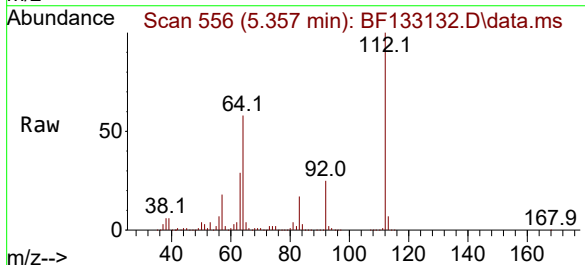
Instrument :
BNA_F
ClientSampleId :
TR-305A-COMP-03

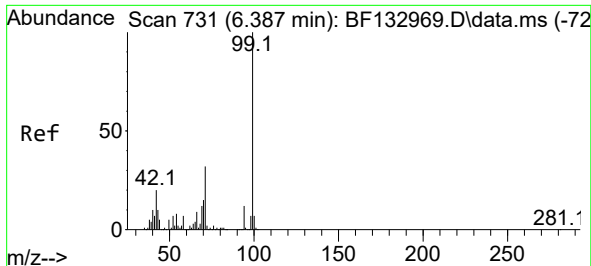
Tgt Ion:152 Resp: 158075
Ion Ratio Lower Upper
152 100
150 155.9 124.8 187.2
115 61.1 49.9 74.9



#5
2-Fluorophenol
Concen: 135.146 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.018 min
Lab File: BF133132.D
Acq: 28 Apr 2023 20:54

Tgt Ion:112 Resp: 1414209
Ion Ratio Lower Upper
112 100
64 57.6 46.8 70.2
63 28.8 23.8 35.8

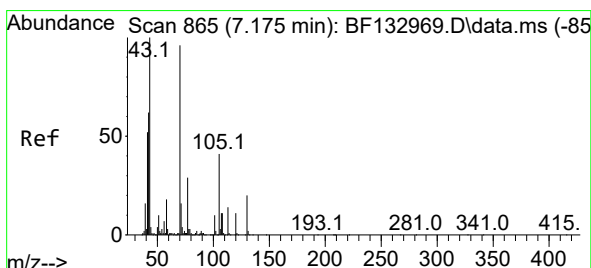
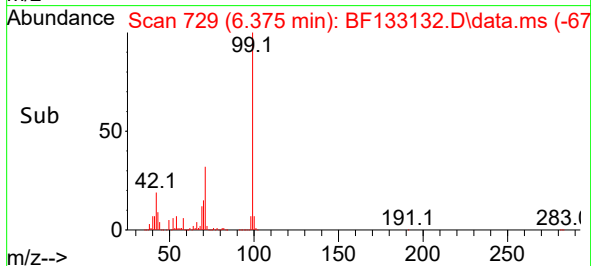
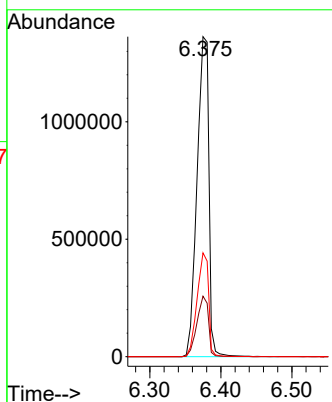
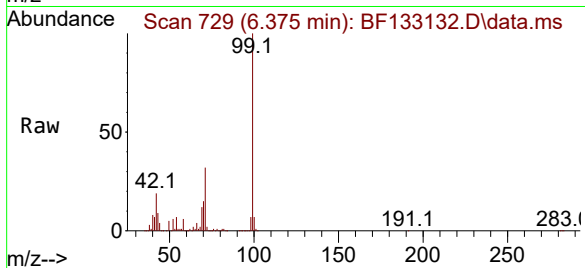




#7
Phenol-d6
Concen: 121.827 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133132.D
Acq: 28 Apr 2023 20:54

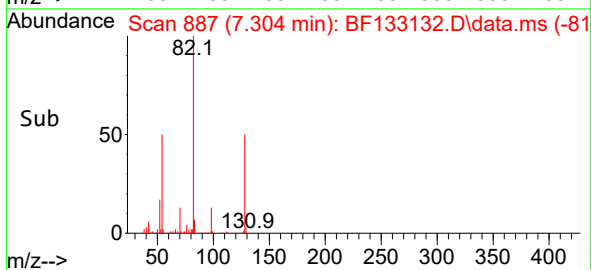
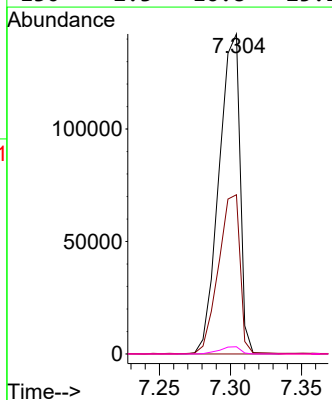
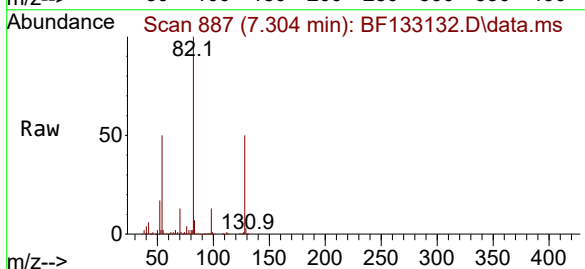
Instrument :
BNA_F
ClientSampleId :
TR-305A-COMP-03

Tgt Ion: 99 Resp: 1582333
Ion Ratio Lower Upper
99 100
42 18.9 16.3 24.5
71 32.5 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.088 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF133132.D
Acq: 28 Apr 2023 20:54

Tgt Ion: 70 Resp: 146257
Ion Ratio Lower Upper
70 100
42 49.7 51.8 77.6#
101 0.0 8.0 12.0#
130 2.3 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133132.D

Acq: 28 Apr 2023 20:54

Instrument :

BNA_F

ClientSampleId :

TR-305A-COMP-03

Tgt Ion:136 Resp: 639960

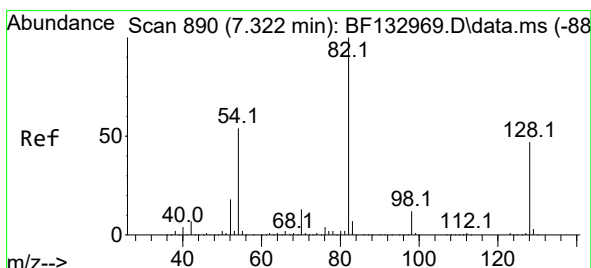
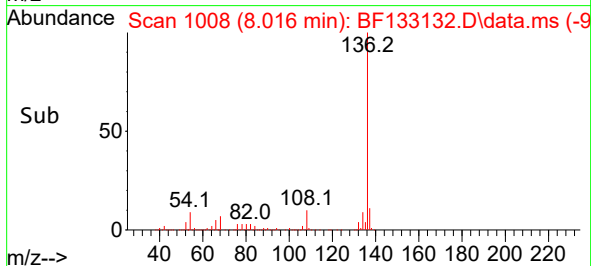
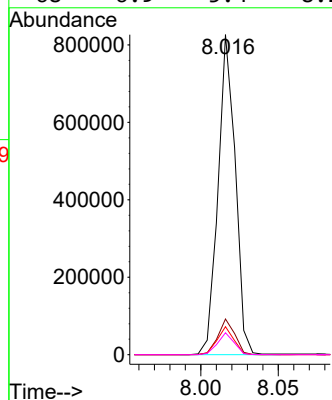
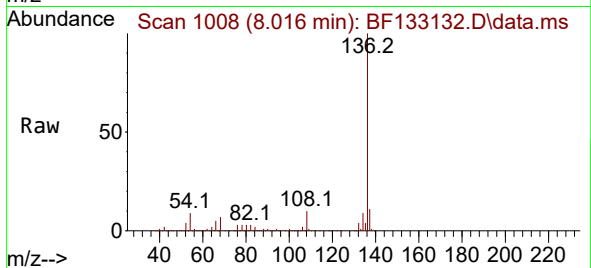
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 8.7 7.0 10.4

68 6.9 5.4 8.2



#23

Nitrobenzene-d5

Concen: 94.691 ng

RT: 7.304 min Scan# 887

Delta R.T. 0.000 min

Lab File: BF133132.D

Acq: 28 Apr 2023 20:54

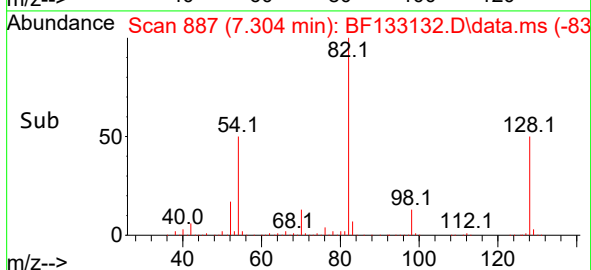
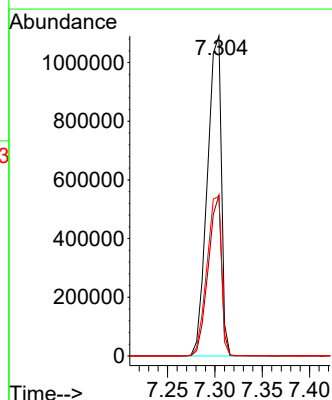
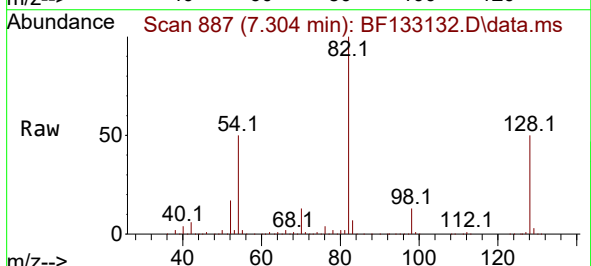
Tgt Ion: 82 Resp: 1122678

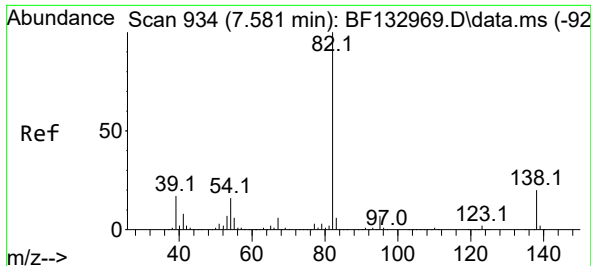
Ion Ratio Lower Upper

82 100

128 50.2 37.7 56.5

54 49.9 43.0 64.4

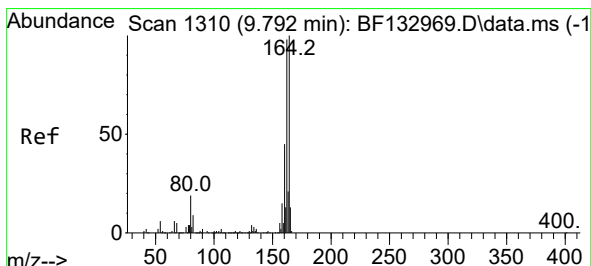
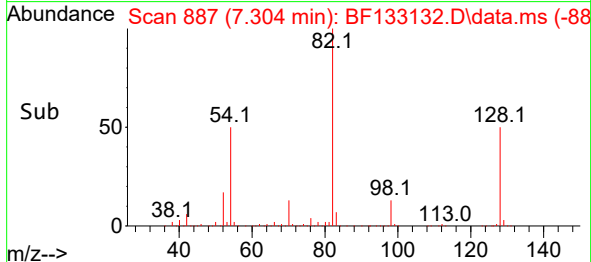
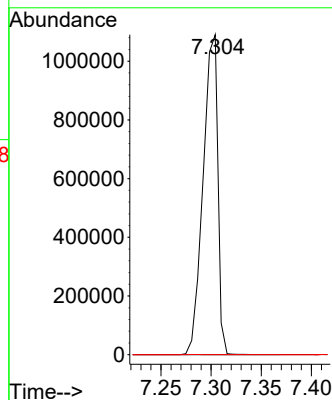
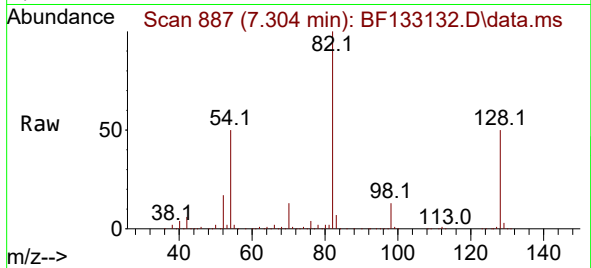




#25
Isophorone
Concen: 49.872 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF133132.D
Acq: 28 Apr 2023 20:54

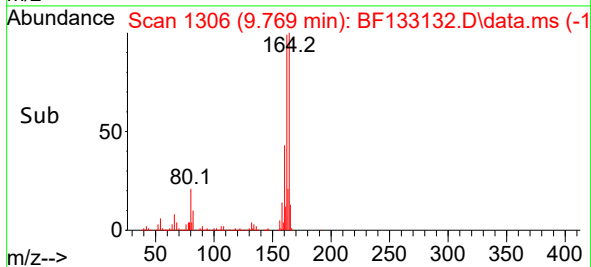
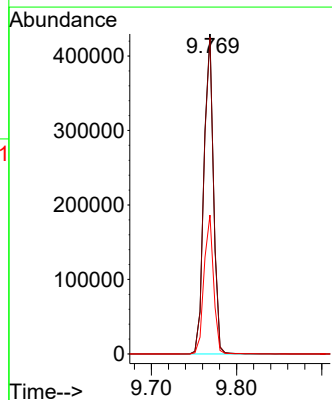
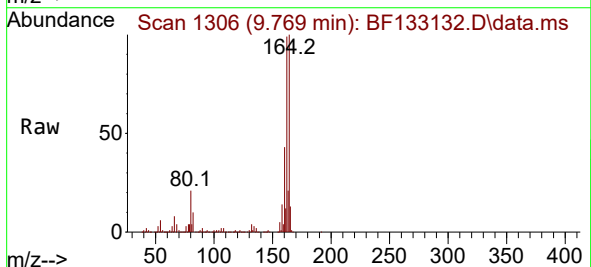
Instrument :
BNA_F
ClientSampleId :
TR-305A-COMP-03

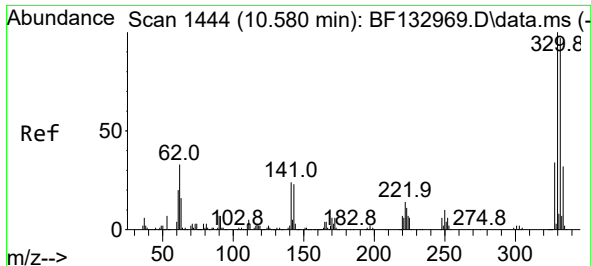
Tgt Ion: 82 Resp: 1122657
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF133132.D
Acq: 28 Apr 2023 20:54

Tgt Ion:164 Resp: 332836
Ion Ratio Lower Upper
164 100
162 99.1 78.7 118.1
160 43.4 35.8 53.6

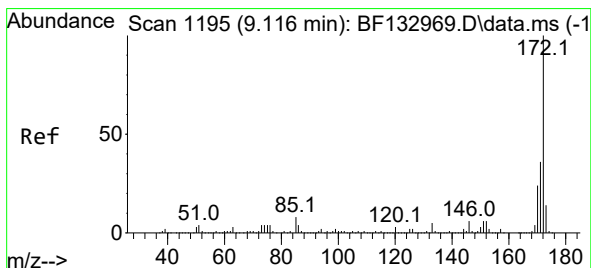
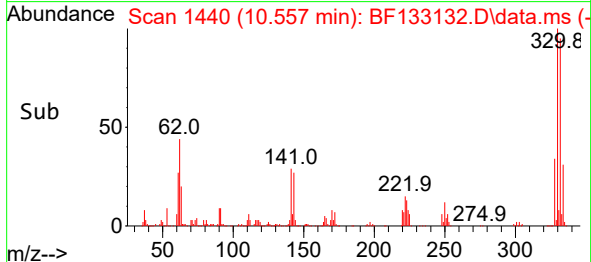
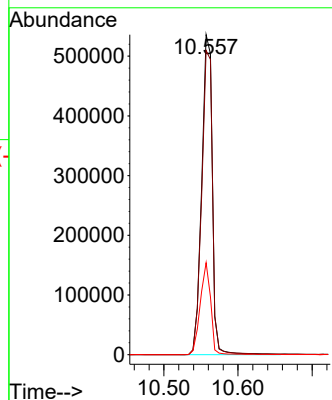
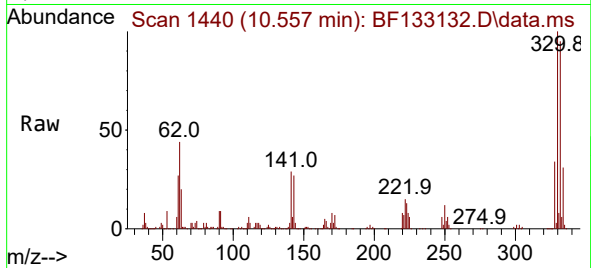




#42
2,4,6-Tribromophenol
Concen: 159.323 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF133132.D
Acq: 28 Apr 2023 20:54

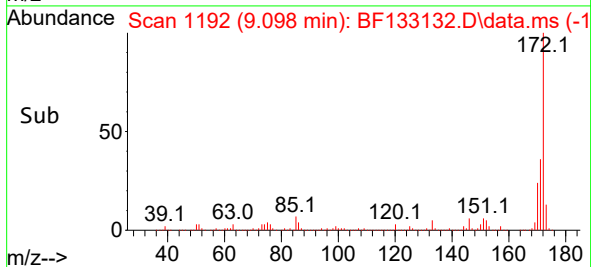
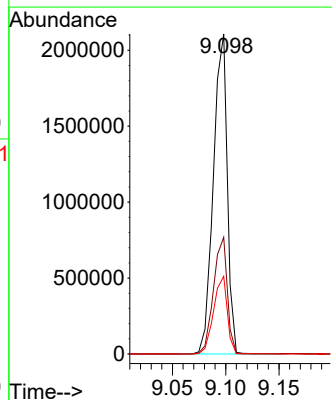
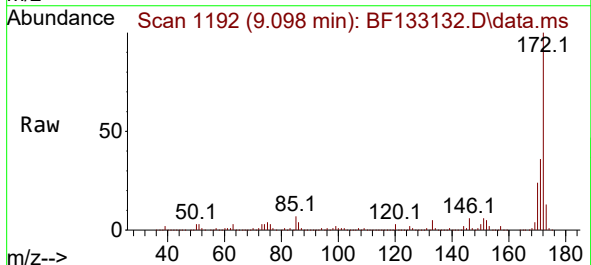
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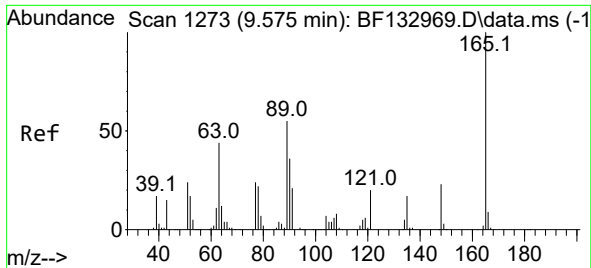
Tgt Ion:330 Resp: 533303
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 28.2 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 95.895 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF133132.D
Acq: 28 Apr 2023 20:54

Tgt Ion:172 Resp: 1907785
Ion Ratio Lower Upper
172 100
171 36.4 28.8 43.2
170 24.2 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.226 ng

RT: 9.769 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF133132.D

Acq: 28 Apr 2023 20:54

Instrument :

BNA_F

ClientSampleId :

TR-305A-COMP-03

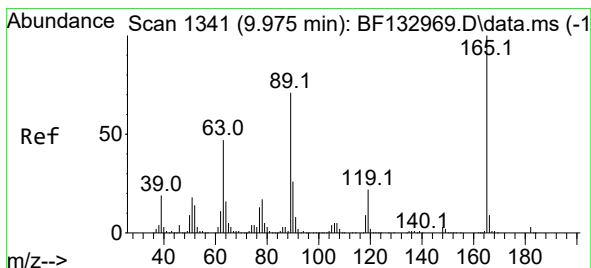
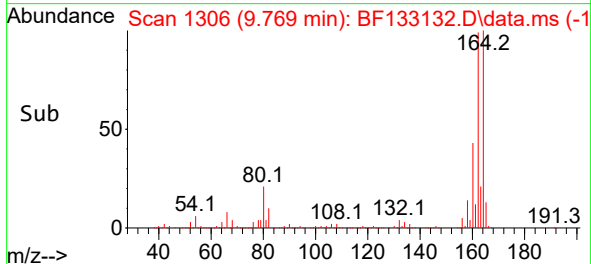
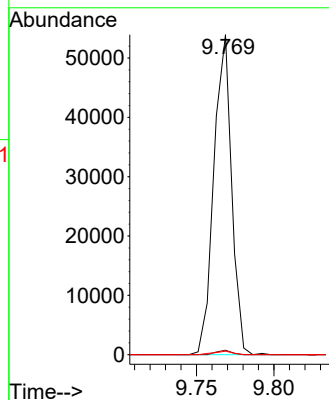
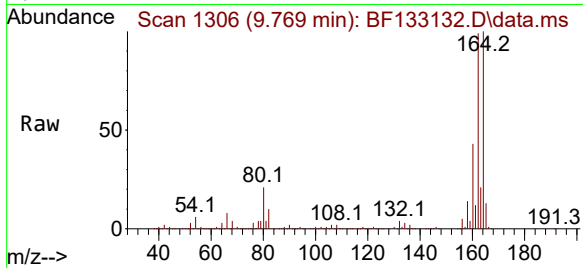
Tgt Ion:165 Resp: 42971

Ion Ratio Lower Upper

165 100

63 1.4 45.9 68.9#

89 1.1 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.451 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.194 min

Lab File: BF133132.D

Acq: 28 Apr 2023 20:54

Tgt Ion:165 Resp: 42971

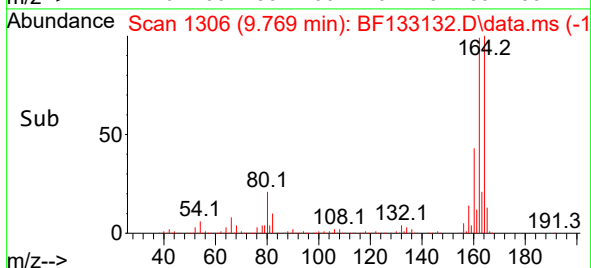
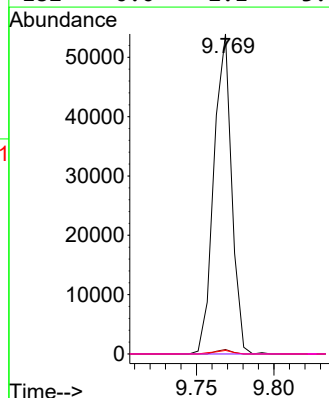
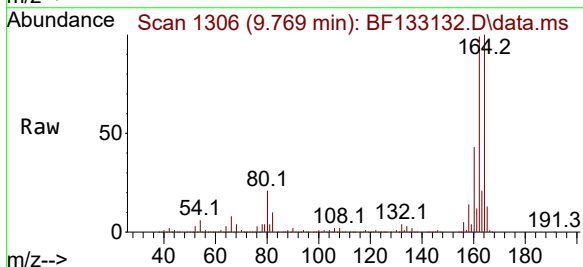
Ion Ratio Lower Upper

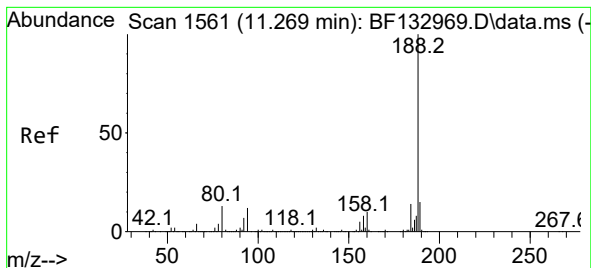
165 100

63 1.4 37.7 56.5#

89 1.1 57.0 85.4#

182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF133132.D

Acq: 28 Apr 2023 20:54

Instrument :

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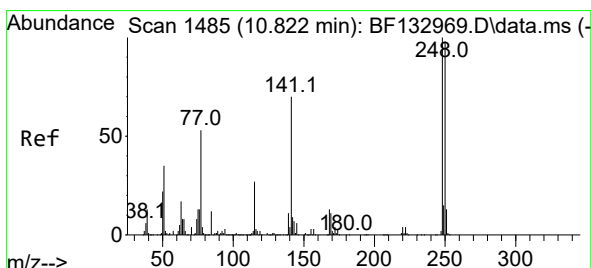
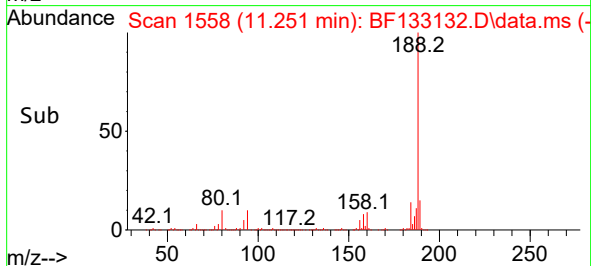
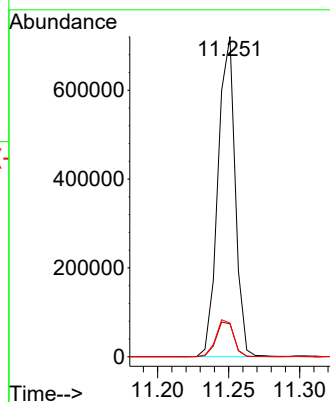
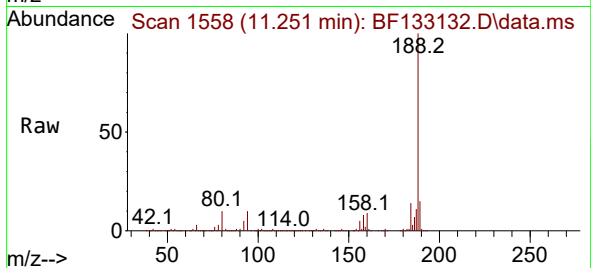
Tgt Ion:188 Resp: 608420

Ion Ratio Lower Upper

188 100

94 10.3 9.7 14.5

80 10.5 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 5.108 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.247 min

Lab File: BF133132.D

Acq: 28 Apr 2023 20:54

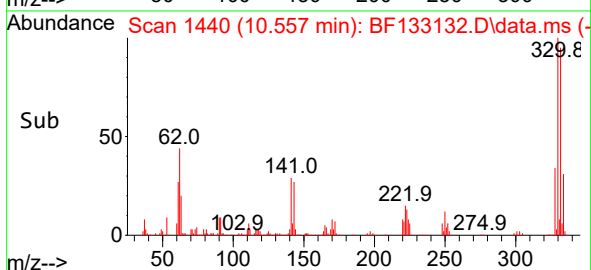
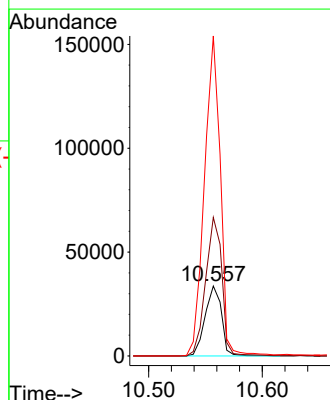
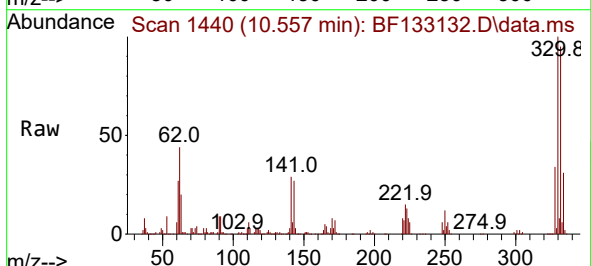
Tgt Ion:248 Resp: 33703

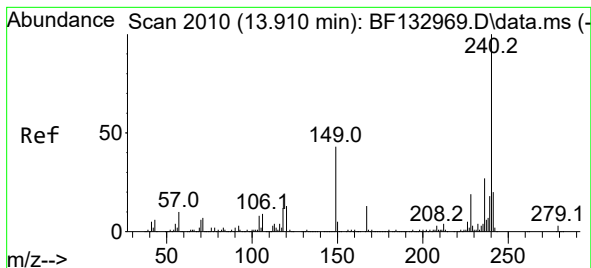
Ion Ratio Lower Upper

248 100

250 198.3 78.7 118.1#

141 458.0 56.3 84.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133132.D

Acq: 28 Apr 2023 20:54

Instrument :

BNA_F

ClientSampleId :

TR-305A-COMP-03

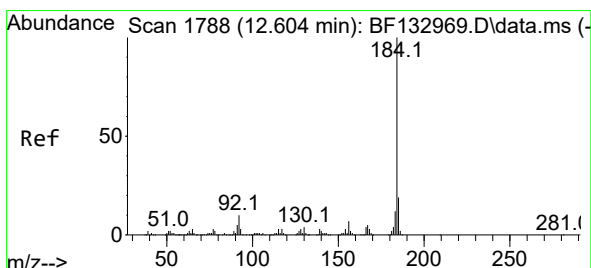
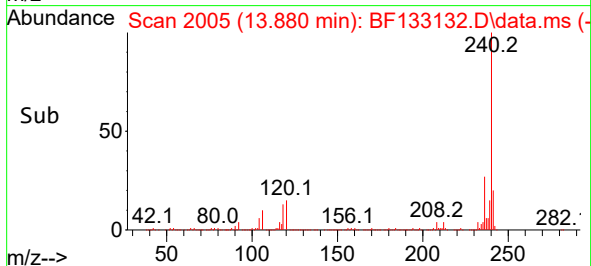
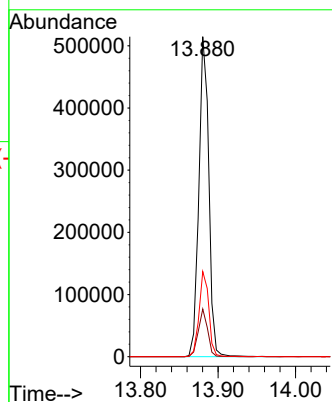
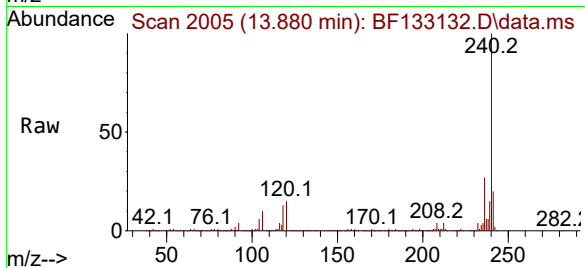
Tgt Ion:240 Resp: 457918

Ion Ratio Lower Upper

240 100

120 14.9 10.5 15.7

236 26.6 21.5 32.3



#77

Benzidine

Concen: 6.848 ng

RT: 12.580 min Scan# 1784

Delta R.T. -0.006 min

Lab File: BF133132.D

Acq: 28 Apr 2023 20:54

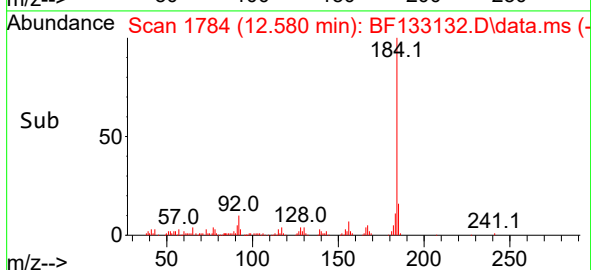
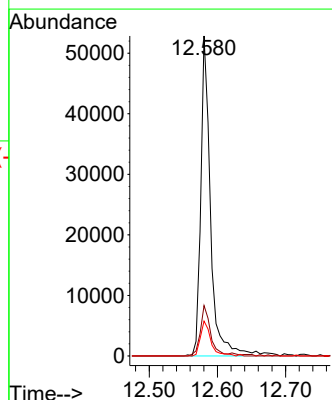
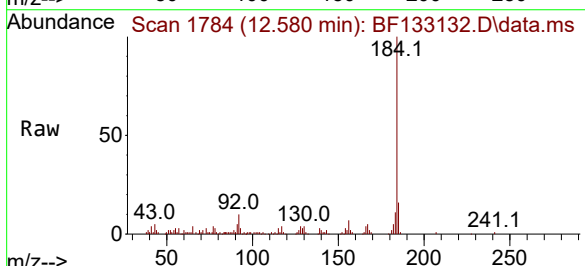
Tgt Ion:184 Resp: 53025

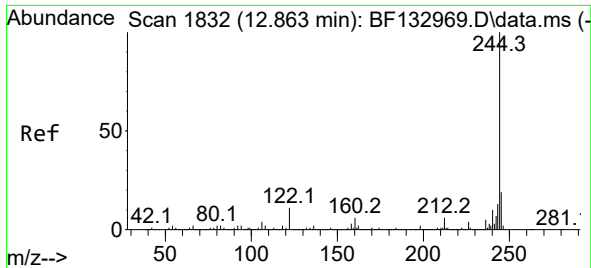
Ion Ratio Lower Upper

184 100

185 15.8 15.4 23.2

183 10.9 9.4 14.0

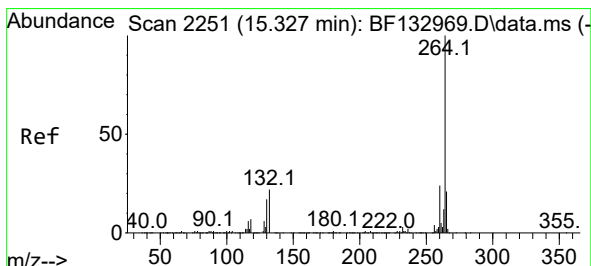
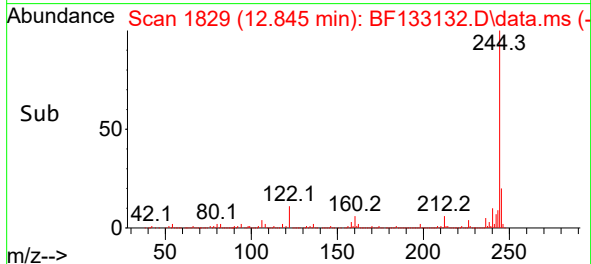
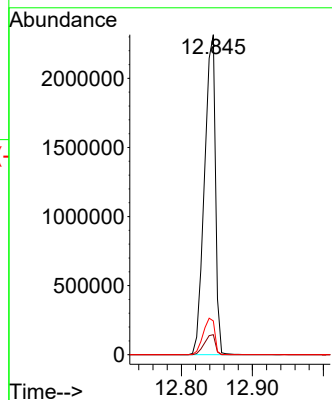
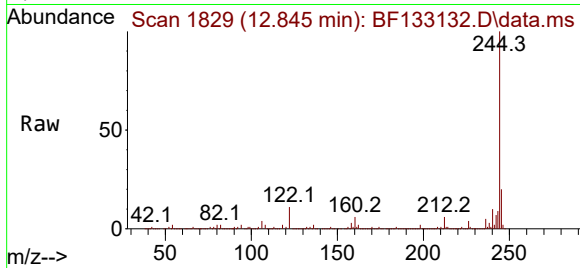




#79
 Terphenyl-d14
 Concen: 93.648 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. 0.006 min
 Lab File: BF133132.D
 Acq: 28 Apr 2023 20:54

Instrument :
 BNA_F
 ClientSampleId :
 TR-305A-COMP-03

Tgt Ion:244 Resp: 2486461
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.1 7.7
 122 10.6 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.304 min Scan# 2247
 Delta R.T. -0.006 min
 Lab File: BF133132.D
 Acq: 28 Apr 2023 20:54

Tgt Ion:264 Resp: 372566
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.8 28.2
 265 20.7 17.0 25.4

