

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042523\
 Data File : BF133040.D
 Acq On : 25 Apr 2023 21:58
 Operator : CG\JU
 Sample : 02270-16
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-19-5-7-20230411

Quant Time: Apr 26 02:18:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 25 18:24:07 2023
 Response via : Initial Calibration

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

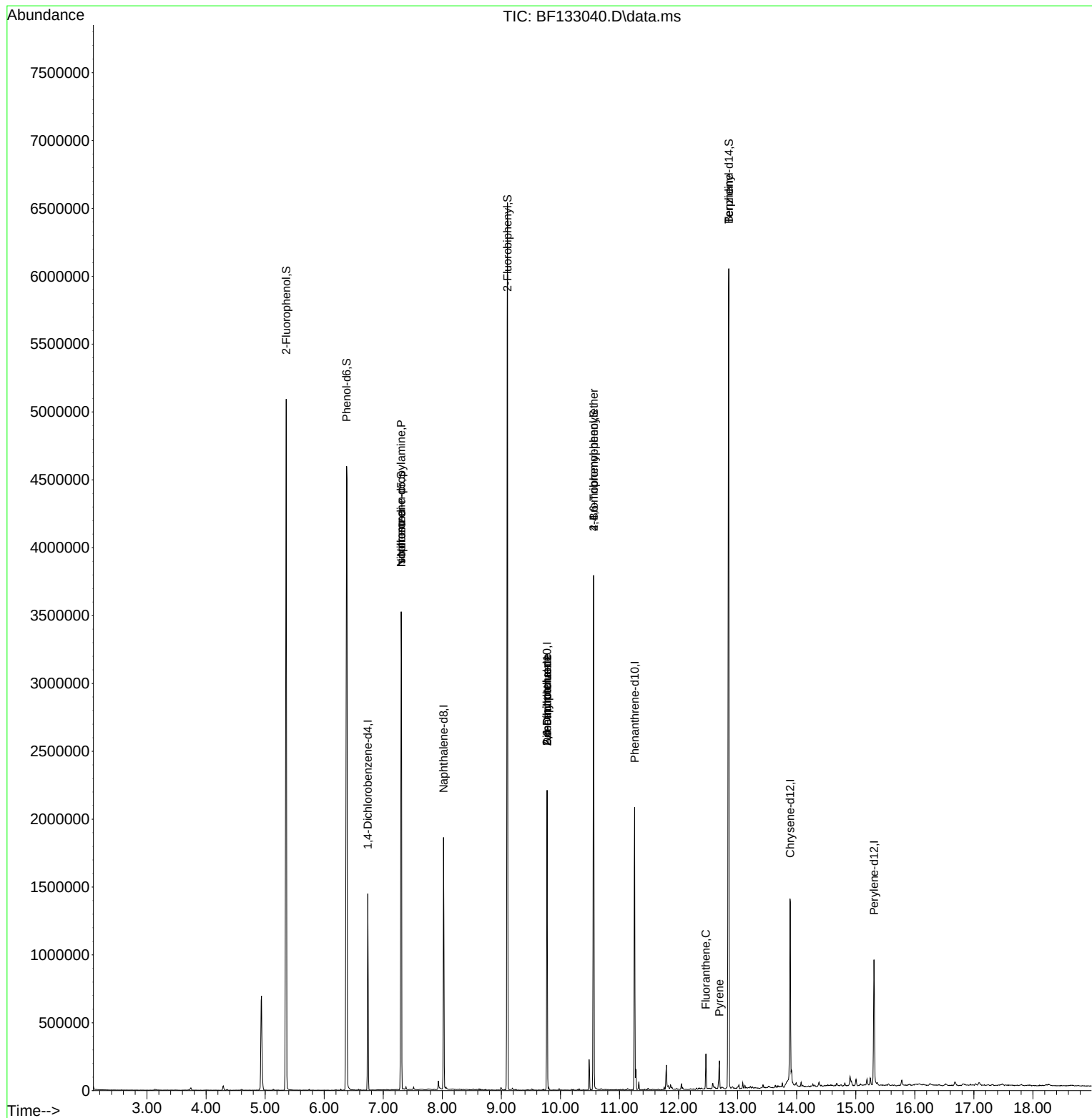
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	185102	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	721291	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	394717	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	713443	20.000	ng	0.00
76) Chrysene-d12	13.892	240	434535	20.000	ng	0.00
86) Perylene-d12	15.310	264	372085	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1573549	128.417	ng	0.00
7) Phenol-d6	6.381	99	2049097	134.728	ng	0.00
23) Nitrobenzene-d5	7.304	82	1243932	93.088	ng	0.00
42) 2,4,6-Tribromophenol	10.563	330	466409	117.494	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	1989249	84.314	ng	0.00
79) Terphenyl-d14	12.851	244	2398677	95.203	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.281	77	1133	Below Cal		88
19) n-Nitroso-di-n-propyla...	7.304	70	164579	17.382 ng	#	76
25) Isophorone	7.304	82	1242378	48.967 ng	#	63
50) Dimethylphthalate	9.775	163	80282	2.917 ng	#	1
51) 2,6-Dinitrotoluene	9.775	165	50534	8.158 ng	#	25
57) 2,4-Dinitrotoluene	9.775	165	50534	6.397 ng	#	23
67) 4-Bromophenyl-phenylether	10.563	248	29240	3.779 ng	#	1
75) Fluoranthene	12.463	202	88681	2.304 ng		96
77) Benzidine	12.851	184	28330	3.855 ng	#	91
78) Pyrene	12.692	202	79856	2.144 ng		97

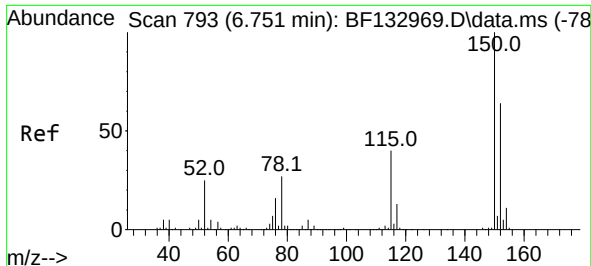
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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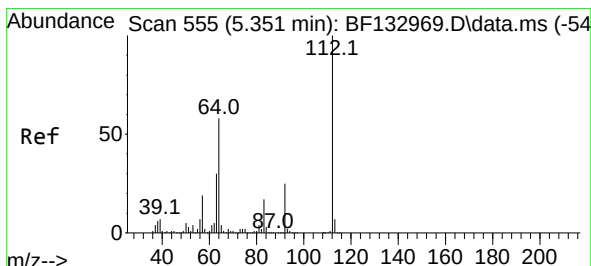
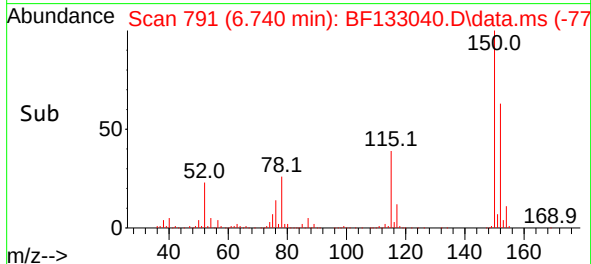
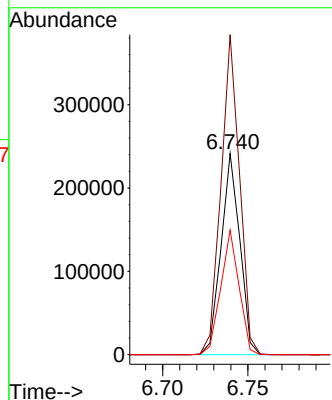
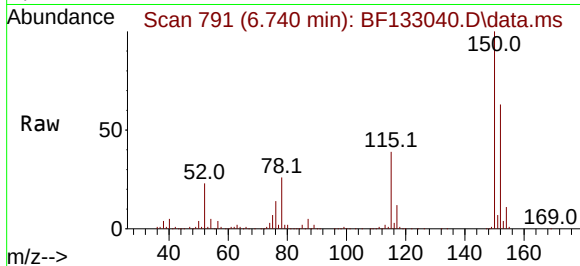




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.740 min Scan# 793
 Delta R.T. -0.005 min
 Lab File: BF133040.D
 Acq: 25 Apr 2023 21:58

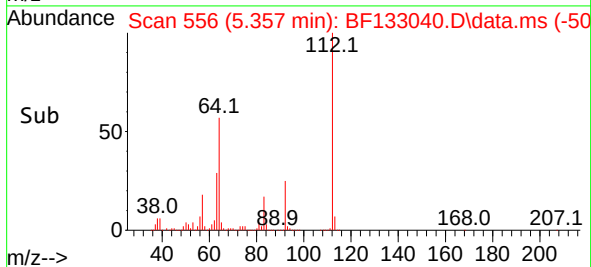
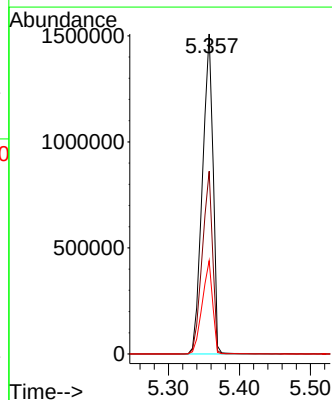
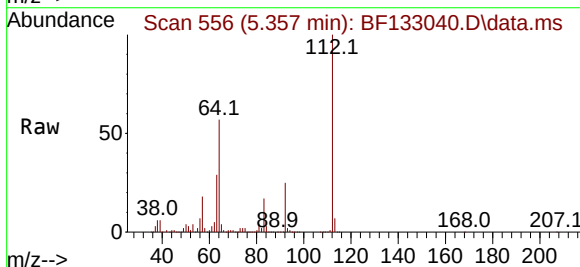
Instrument :
 BNA_F
 ClientSampleId :
 SB-19-5-7-20230411

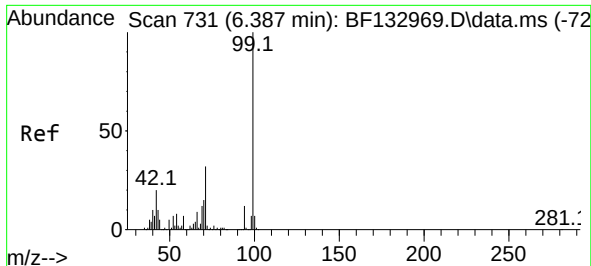
Tgt Ion:152 Resp: 185102
 Ion Ratio Lower Upper
 152 100
 150 159.1 124.8 187.2
 115 62.0 49.9 74.9



#5
 2-Fluorophenol
 Concen: 128.417 ng
 RT: 5.357 min Scan# 556
 Delta R.T. 0.006 min
 Lab File: BF133040.D
 Acq: 25 Apr 2023 21:58

Tgt Ion:112 Resp: 1573549
 Ion Ratio Lower Upper
 112 100
 64 57.1 46.8 70.2
 63 29.1 23.8 35.8

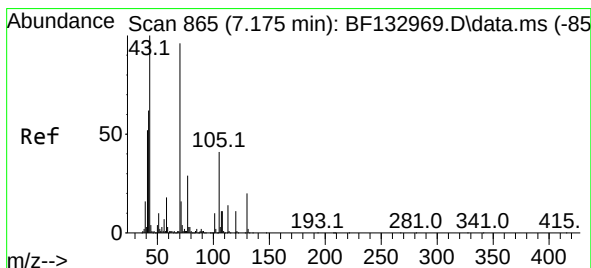
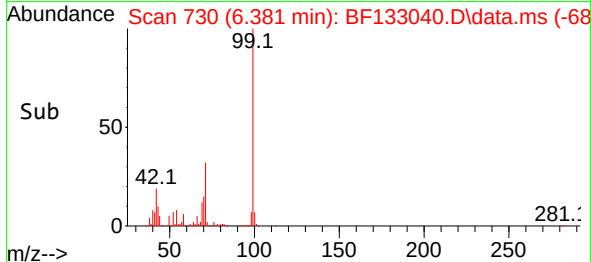
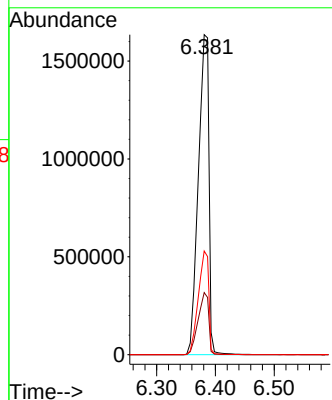
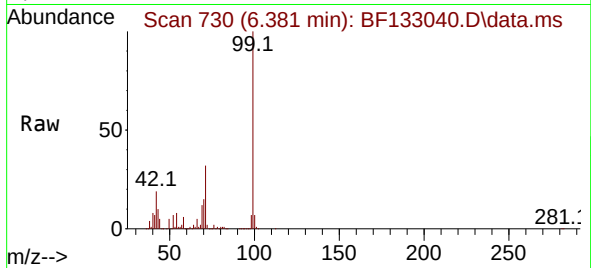




#7
Phenol-d6
Concen: 134.728 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

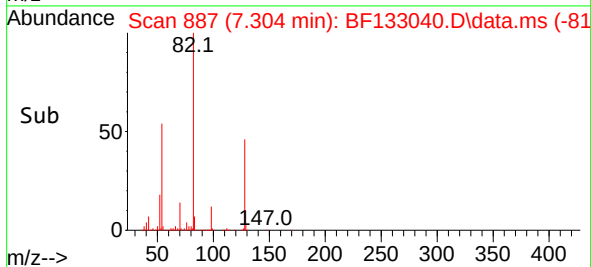
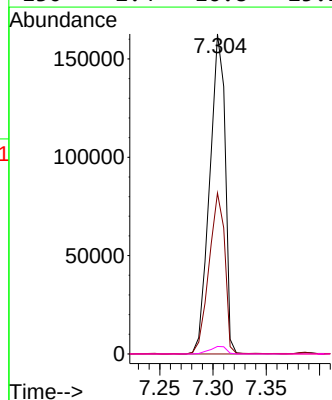
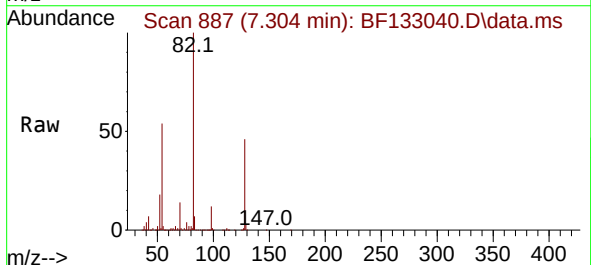
Instrument :
BNA_F
ClientSampleId :
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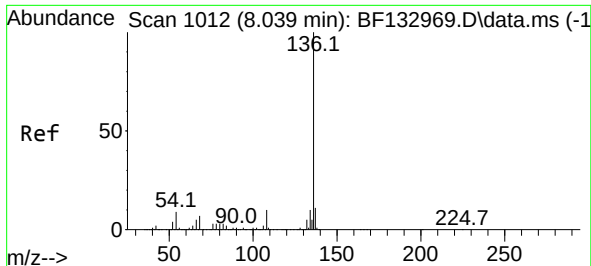
Tgt Ion: 99 Resp: 2049097
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 32.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 17.382 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

Tgt Ion: 70 Resp: 164579
Ion Ratio Lower Upper
70 100
42 50.3 51.8 77.6#
101 0.0 8.0 12.0#
130 2.4 16.8 25.2#

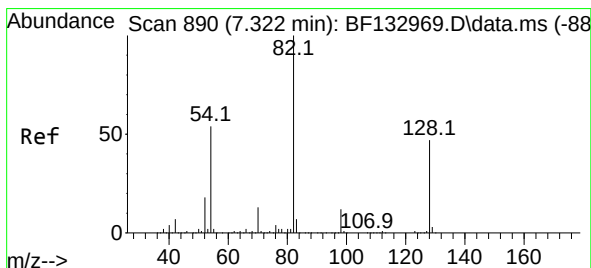
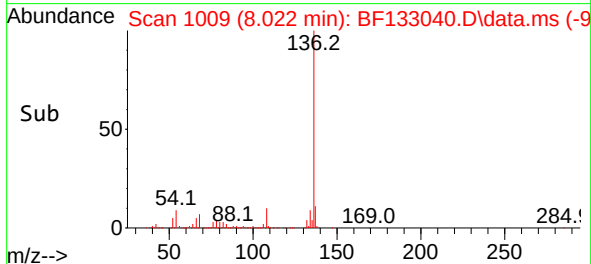
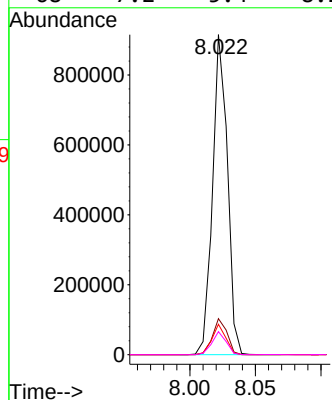
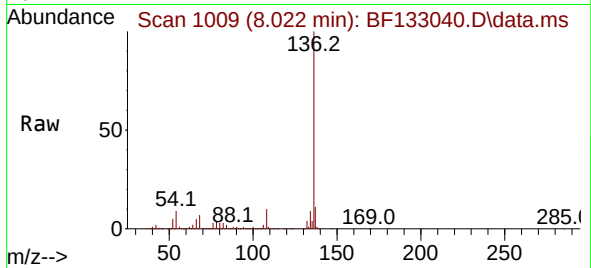




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

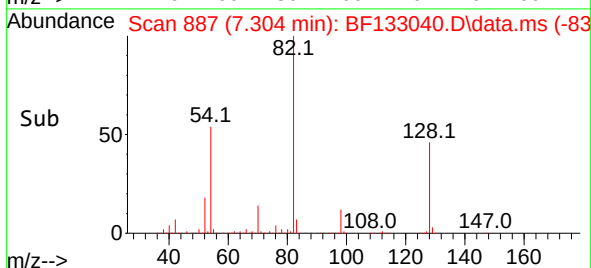
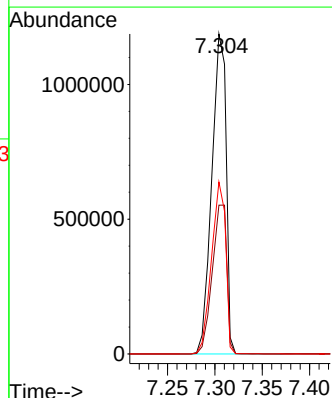
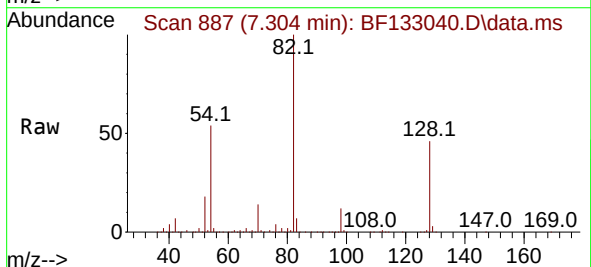
Instrument :
BNA_F
ClientSampleId :
SB-19-5-7-20230411

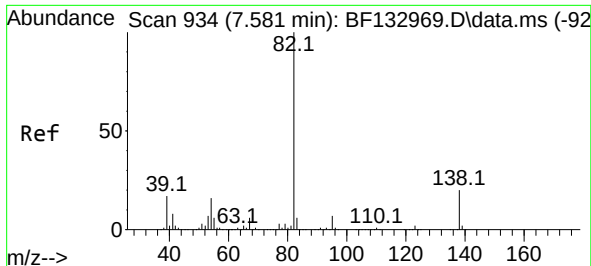
Tgt Ion:	136	Resp:	721291
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	9.5	7.0	10.4
68	7.2	5.4	8.2



#23
Nitrobenzene-d5
Concen: 93.088 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

Tgt Ion:	82	Resp:	1243932
Ion	Ratio	Lower	Upper
82	100		
128	46.5	37.7	56.5
54	53.7	43.0	64.4

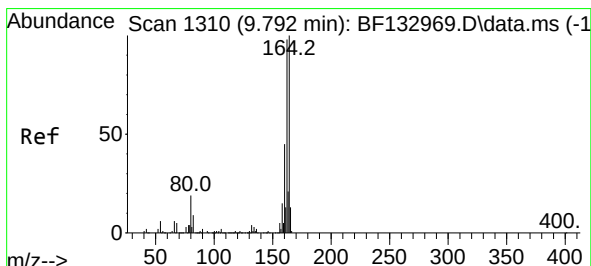
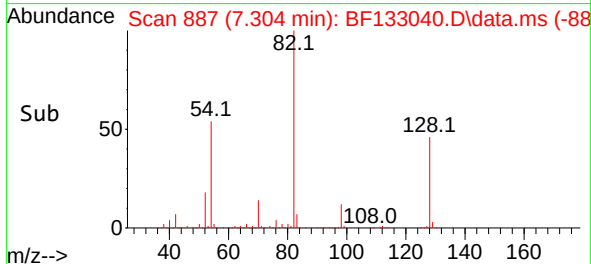
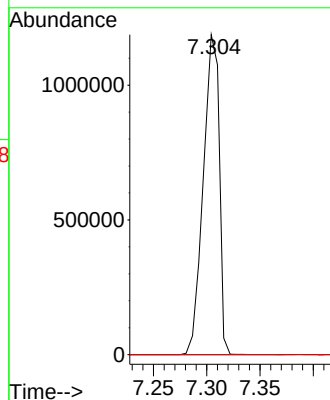
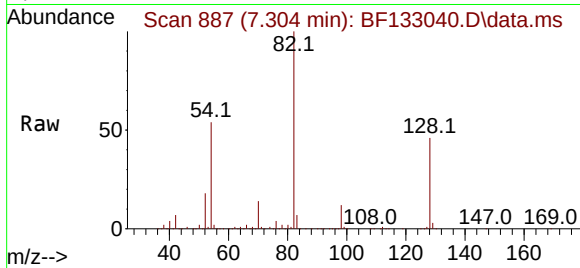




#25
Isophorone
Concen: 48.967 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

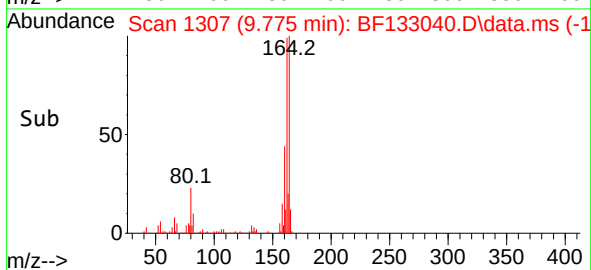
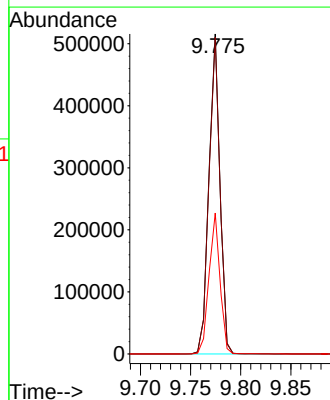
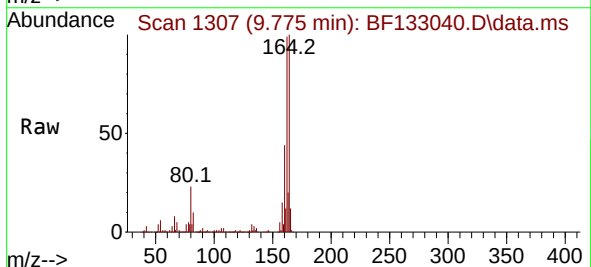
Instrument :
BNA_F
ClientSampleId :
SB-19-5-7-20230411

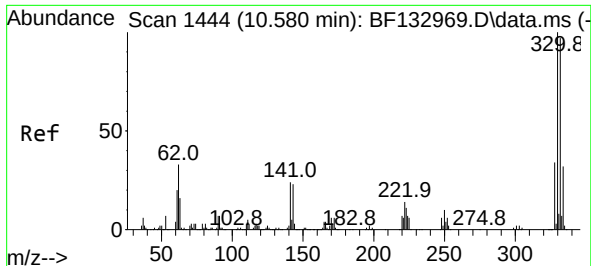
Tgt Ion: 82 Resp: 1242378
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

Tgt Ion:164 Resp: 394717
Ion Ratio Lower Upper
164 100
162 99.0 78.7 118.1
160 44.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 117.494 ng

RT: 10.563 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133040.D

Acq: 25 Apr 2023 21:58

Instrument :

BNA_F

ClientSampleId :

SB-19-5-7-20230411

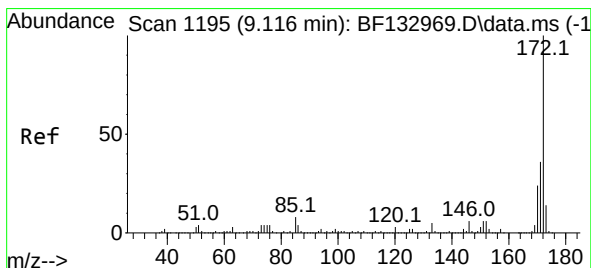
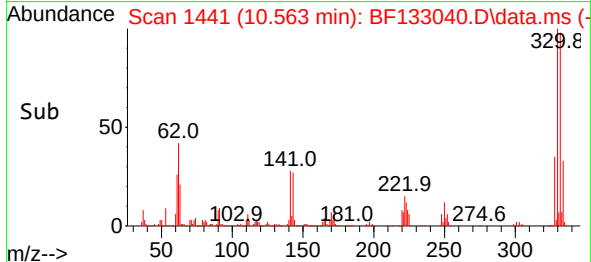
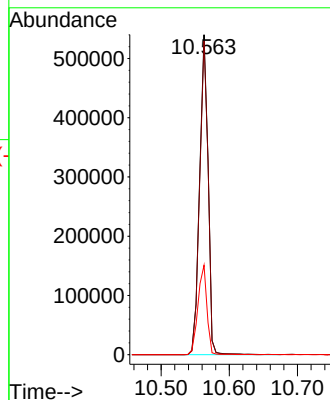
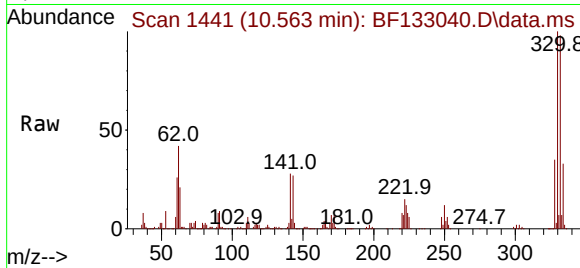
Tgt Ion:330 Resp: 466409

Ion Ratio Lower Upper

330 100

332 98.2 77.1 115.7

141 29.6 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 84.314 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.006 min

Lab File: BF133040.D

Acq: 25 Apr 2023 21:58

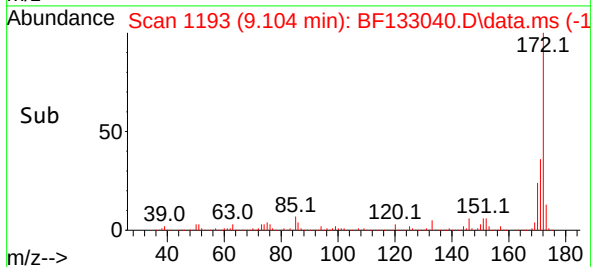
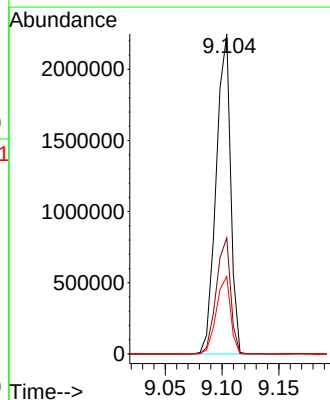
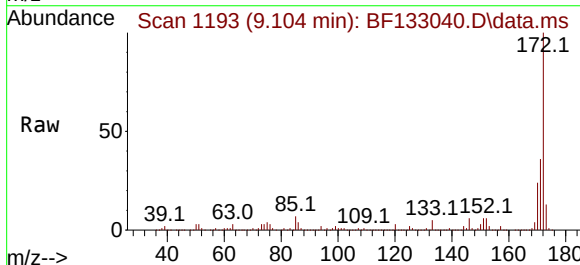
Tgt Ion:172 Resp: 1989249

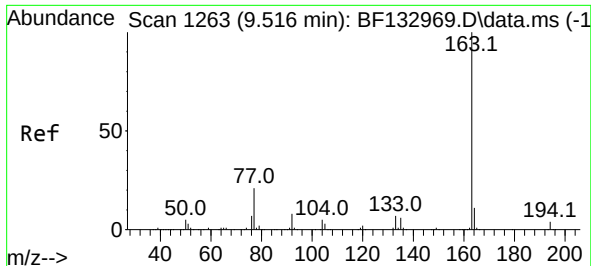
Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 24.2 19.4 29.2

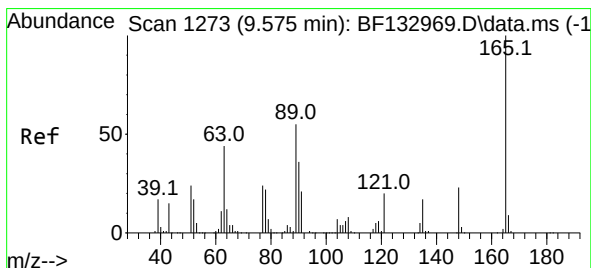
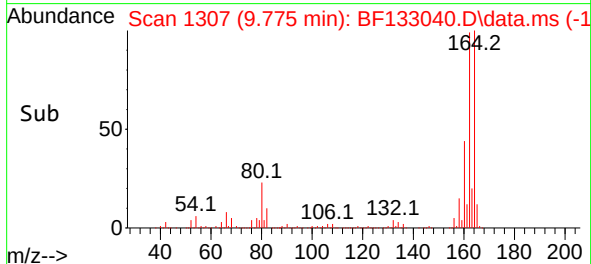
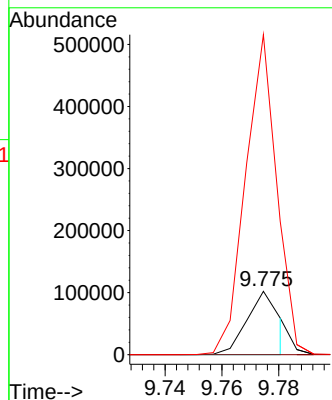
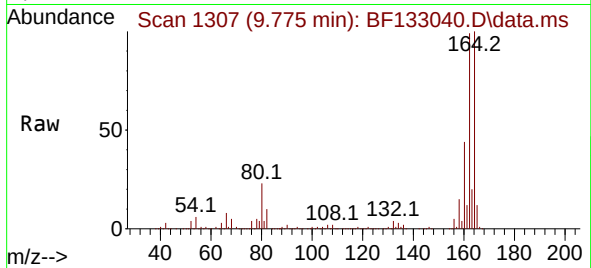




#50
Dimethylphthalate
Concen: 2.917 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

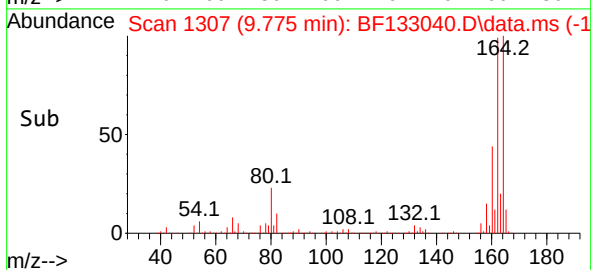
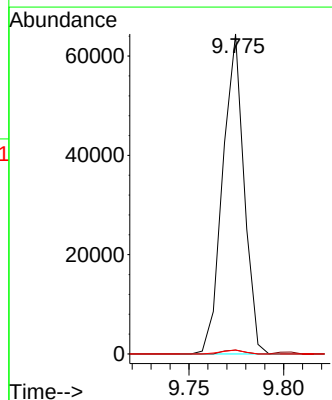
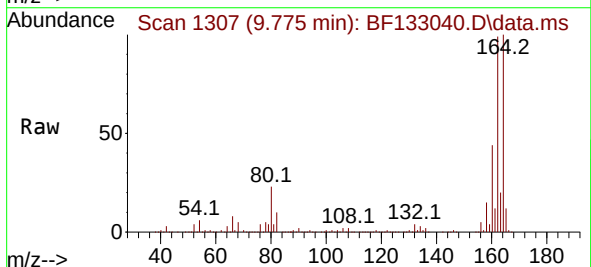
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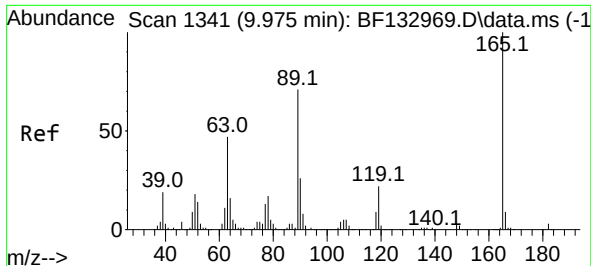
Tgt Ion:163 Resp: 80282
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 504.4 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.158 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.206 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

Tgt Ion:165 Resp: 50534
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.2 44.0 66.0#

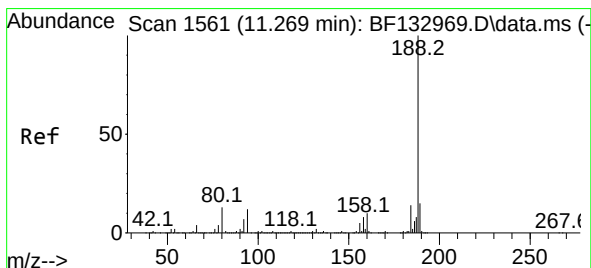
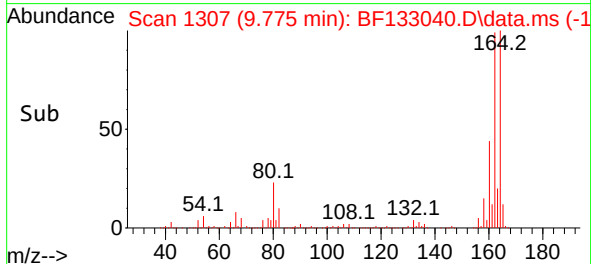
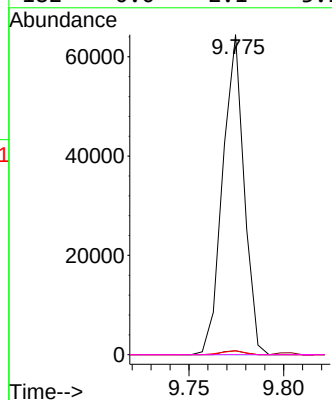
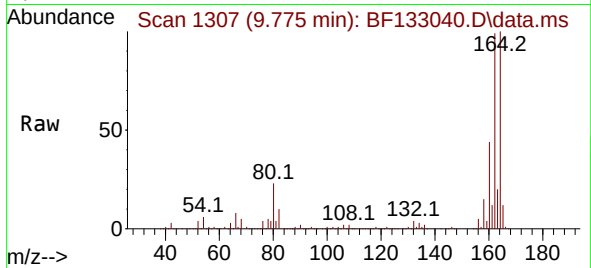




#57
2,4-Dinitrotoluene
Concen: 6.397 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

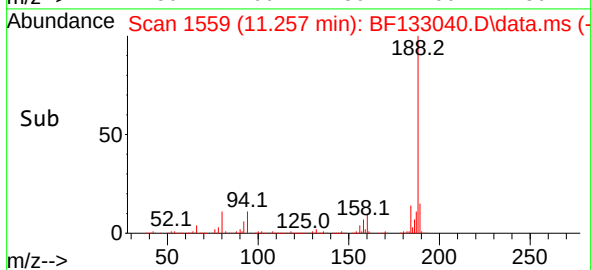
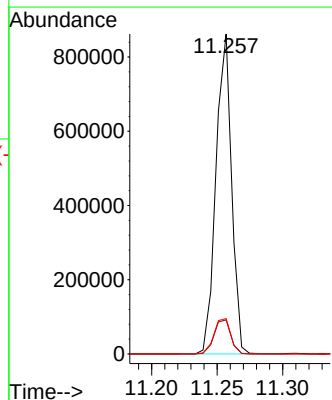
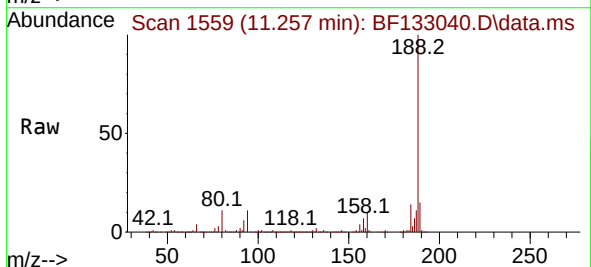
Instrument :
BNA_F
ClientSampleId :
SB-19-5-7-20230411

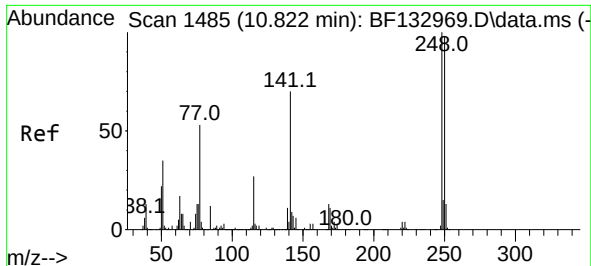
Tgt Ion:165 Resp: 50534
Ion Ratio Lower Upper
165 100
63 1.2 37.7 56.5#
89 1.2 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

Tgt Ion:188 Resp: 713443
Ion Ratio Lower Upper
188 100
94 10.7 9.7 14.5
80 11.0 10.4 15.6

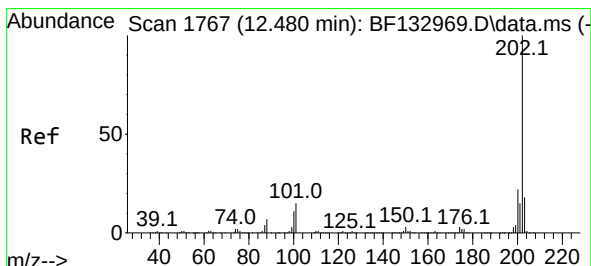
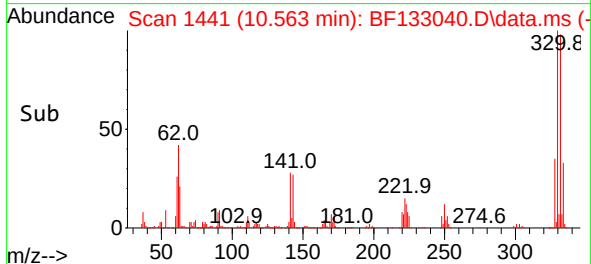
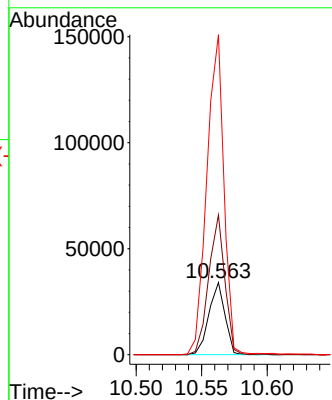
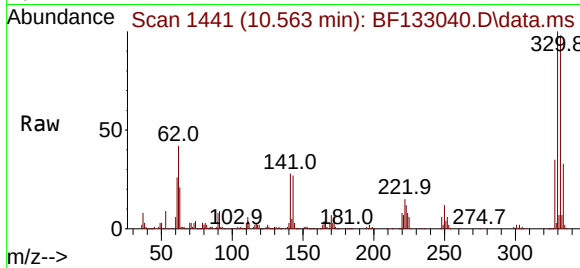




#67
4-Bromophenyl-phenylether
Concen: 3.779 ng
RT: 10.563 min Scan# 1485
Delta R.T. -0.247 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

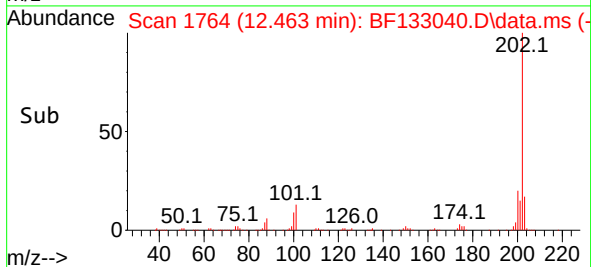
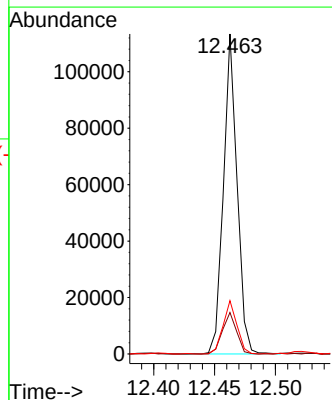
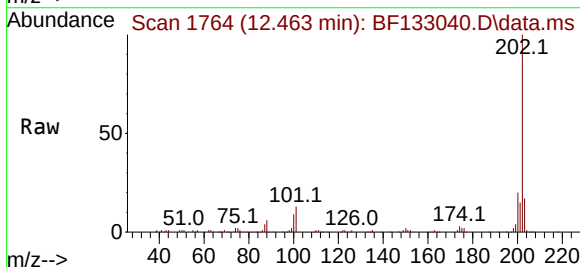
Instrument :
BNA_F
ClientSampleId :
SB-19-5-7-20230411

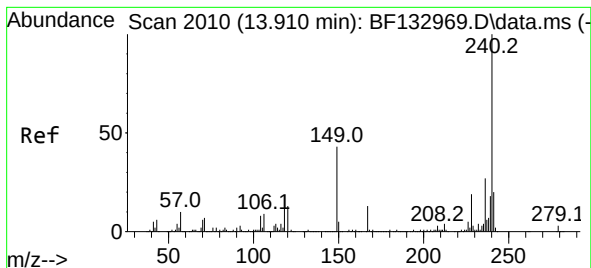
Tgt Ion:248 Resp: 29240
Ion Ratio Lower Upper
248 100
250 193.4 78.7 118.1#
141 443.2 56.3 84.5#



#75
Fluoranthene
Concen: 2.304 ng
RT: 12.463 min Scan# 1764
Delta R.T. -0.012 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

Tgt Ion:202 Resp: 88681
Ion Ratio Lower Upper
202 100
101 13.0 0.0 35.3
203 16.7 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.892 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133040.D

Acq: 25 Apr 2023 21:58

Instrument :

BNA_F

ClientSampleId :

SB-19-5-7-20230411

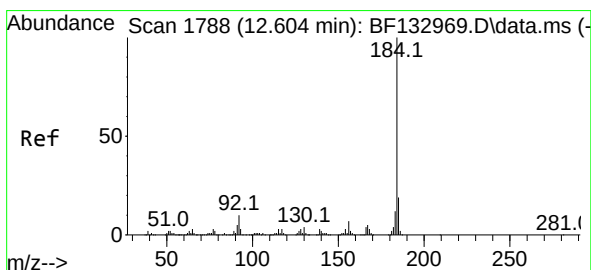
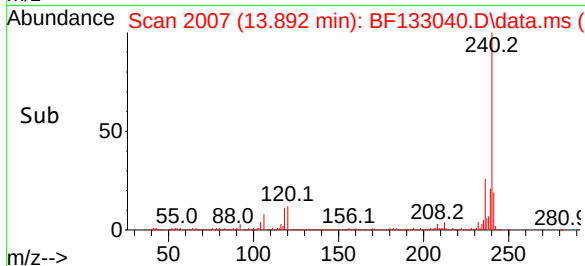
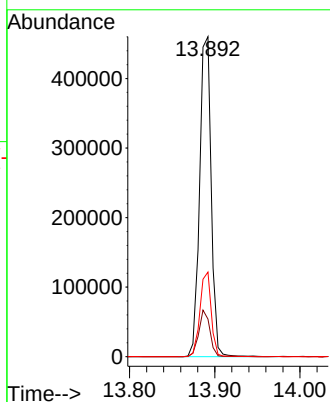
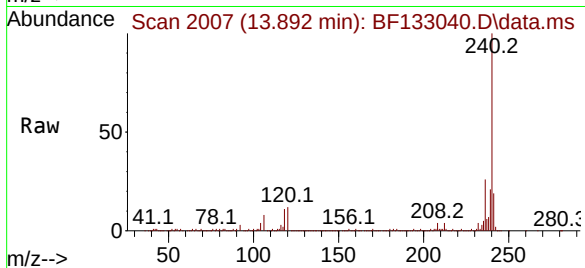
Tgt Ion:240 Resp: 434535

Ion Ratio Lower Upper

240 100

120 11.7 10.5 15.7

236 26.4 21.5 32.3



#77

Benzdine

Concen: 3.855 ng

RT: 12.851 min Scan# 1830

Delta R.T. 0.259 min

Lab File: BF133040.D

Acq: 25 Apr 2023 21:58

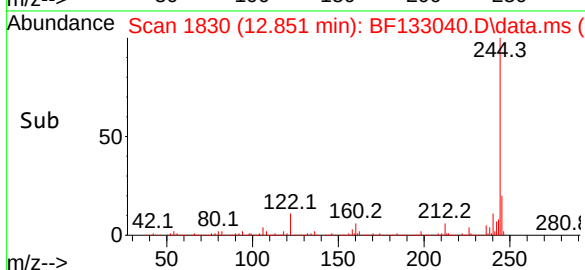
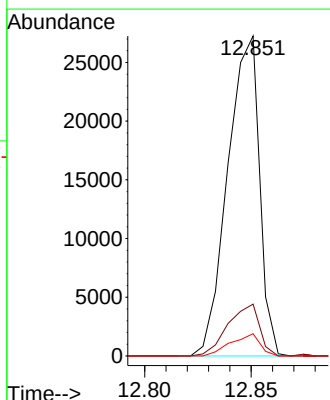
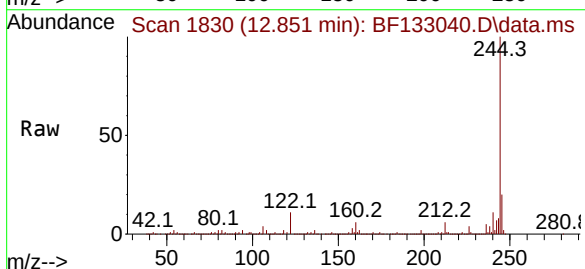
Tgt Ion:184 Resp: 28330

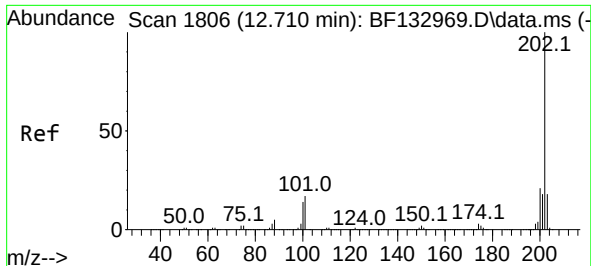
Ion Ratio Lower Upper

184 100

185 16.2 15.4 23.2

183 6.9 9.4 14.0#

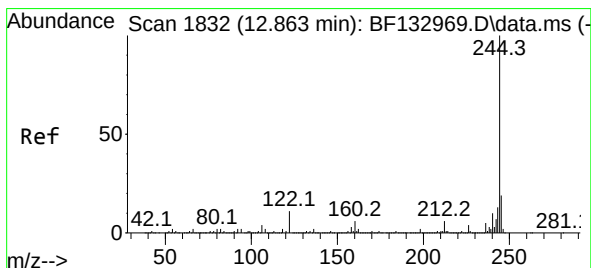
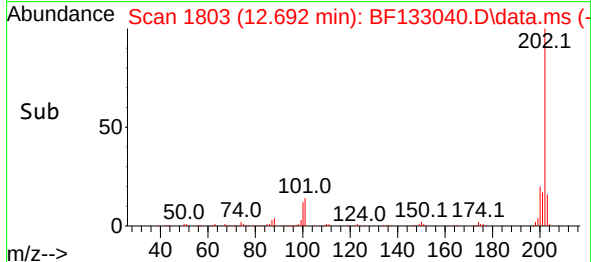
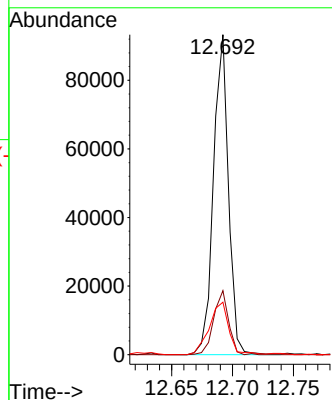
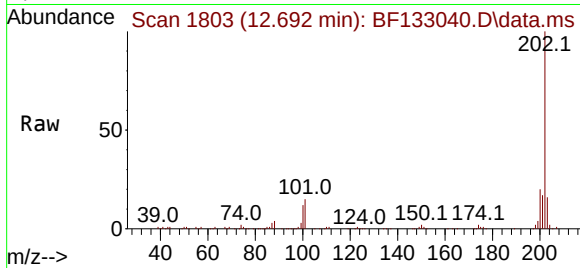




#78
Pyrene
Concen: 2.144 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.006 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

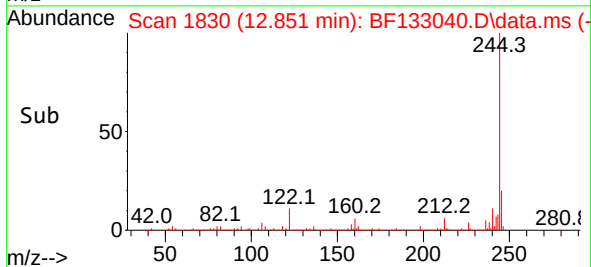
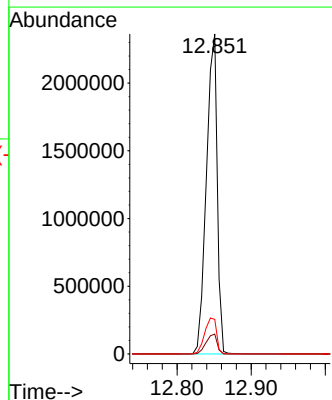
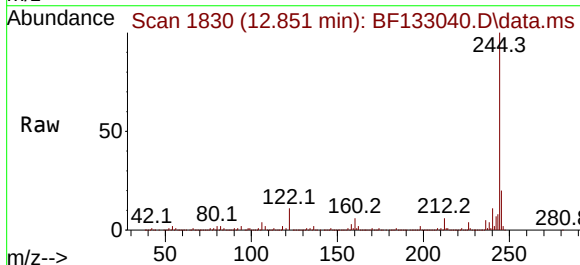
Instrument :
BNA_F
ClientSampleId :
SB-19-5-7-20230411

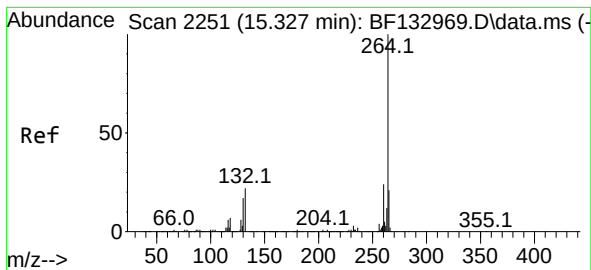
Tgt Ion:202 Resp: 79856
Ion Ratio Lower Upper
202 100
200 20.0 17.1 25.7
203 16.4 14.1 21.1



#79
Terphenyl-d14
Concen: 95.203 ng
RT: 12.851 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF133040.D
Acq: 25 Apr 2023 21:58

Tgt Ion:244 Resp: 2398677
Ion Ratio Lower Upper
244 100
212 6.2 5.1 7.7
122 10.8 8.6 13.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.310 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133040.D

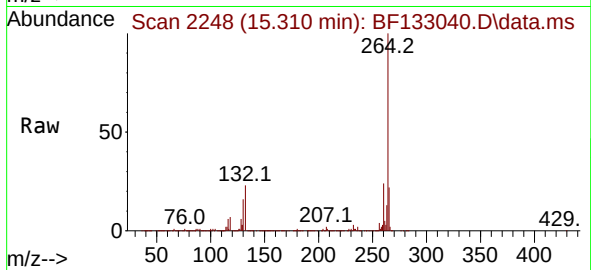
Acq: 25 Apr 2023 21:58

Instrument :

BNA_F

ClientSampleId :

SB-19-5-7-20230411



Tgt Ion:264 Resp: 372085

Ion Ratio Lower Upper

264 100

260 23.7 18.8 28.2

265 21.5 17.0 25.4

