

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061323\
 Data File : BF133732.D
 Acq On : 13 Jun 2023 15:48
 Operator : CG\JU
 Sample : 03069-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB35B

Quant Time: Jun 13 16:30:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 13 11:26:55 2023
 Response via : Initial Calibration

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

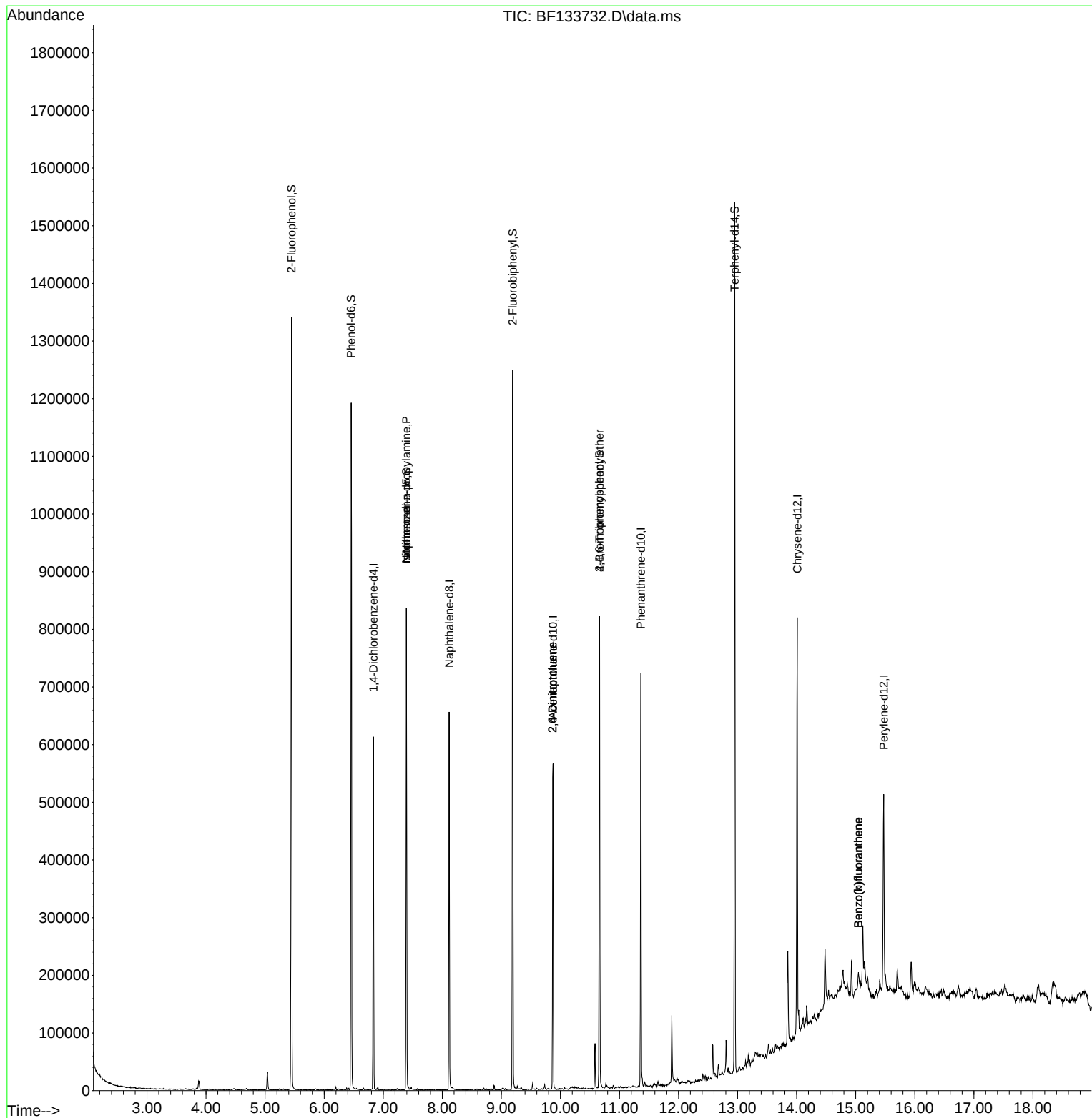
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	77105	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	243785	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	110929	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	244906	20.000	ng	0.00
76) Chrysene-d12	14.010	240	222840	20.000	ng	0.00
86) Perylene-d12	15.474	264	153527	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	303122	68.440	ng	0.00
7) Phenol-d6	6.457	99	328707	57.017	ng	-0.01
23) Nitrobenzene-d5	7.393	82	214561	47.937	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	93078	66.287	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	339481	43.503	ng	0.00
79) Terphenyl-d14	12.951	244	462023	32.082	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.393	70	30026	8.186	ng	# 80
25) Isophorone	7.393	82	214556	26.111	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	14656	8.576	ng	# 27
57) 2,4-Dinitrotoluene	9.869	165	14656	6.743	ng	# 19
67) 4-Bromophenyl-phenylether	10.663	248	6006	2.197	ng	# 1
88) Benzo(b)fluoranthene	15.045	252	19299	2.069	ng	# 84
89) Benzo(k)fluoranthene	15.045	252	19299	2.124	ng	# 84

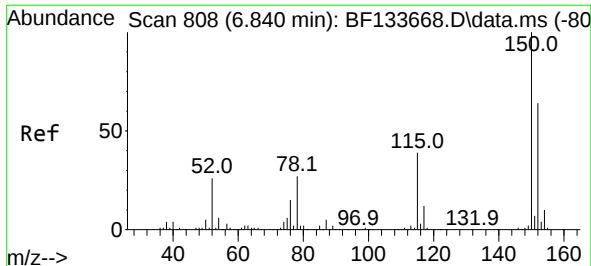
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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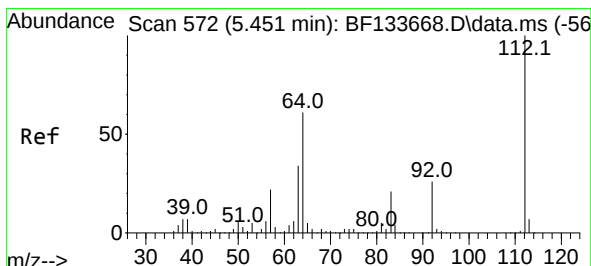
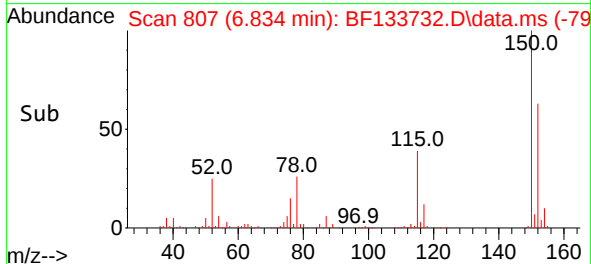
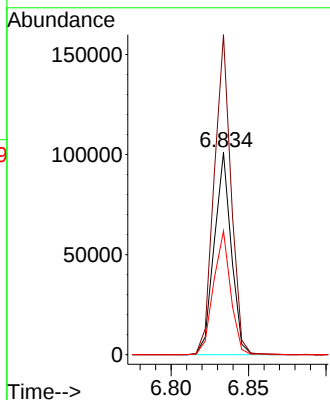
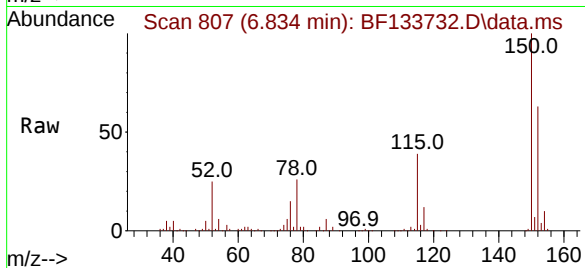




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF133732.D
Acq: 13 Jun 2023 15:48

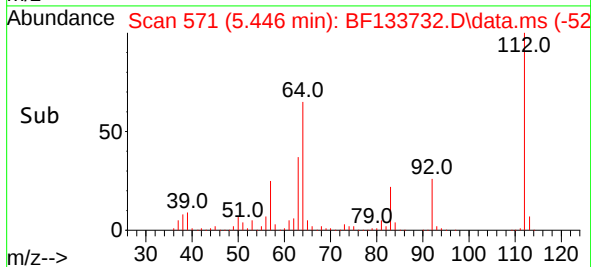
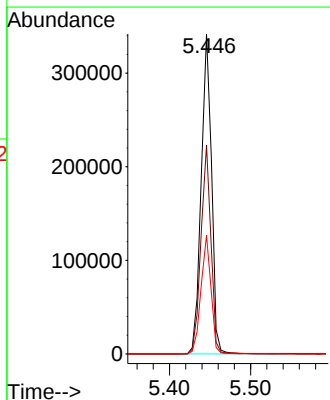
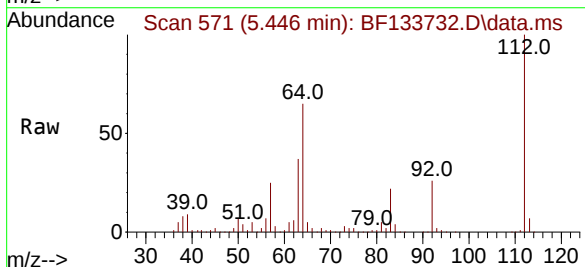
Instrument :
BNA_F
ClientSampleId :
SB35B

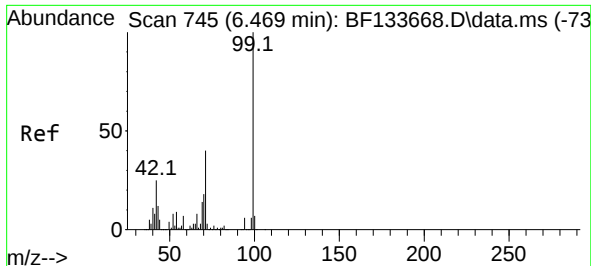
Tgt Ion:152 Resp: 77105
Ion Ratio Lower Upper
152 100
150 158.2 124.3 186.5
115 61.2 48.5 72.7



#5
2-Fluorophenol
Concen: 68.440 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133732.D
Acq: 13 Jun 2023 15:48

Tgt Ion:112 Resp: 303122
Ion Ratio Lower Upper
112 100
64 65.3 49.0 73.4
63 37.1 26.8 40.2

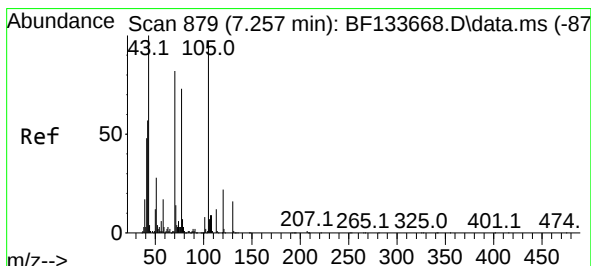
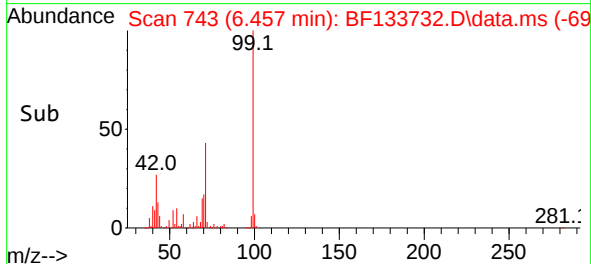
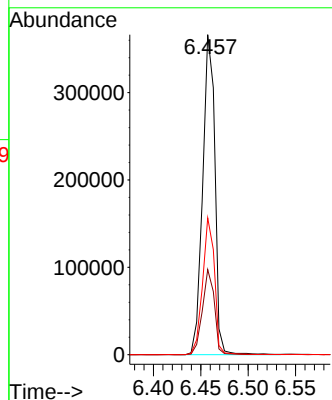
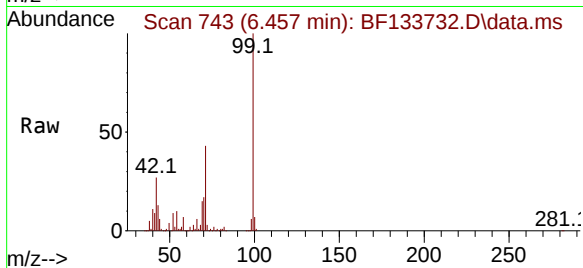




#7
Phenol-d6
Concen: 57.017 ng
RT: 6.457 min Scan# 745
Delta R.T. -0.011 min
Lab File: BF133732.D
Acq: 13 Jun 2023 15:48

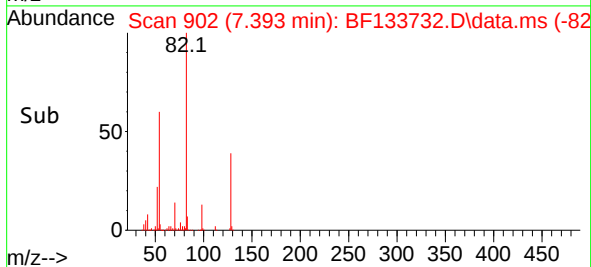
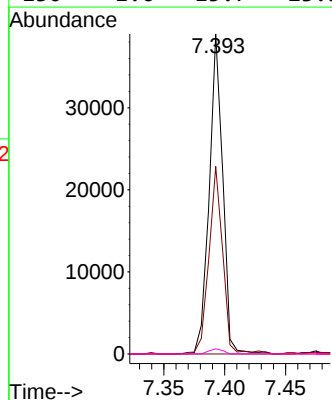
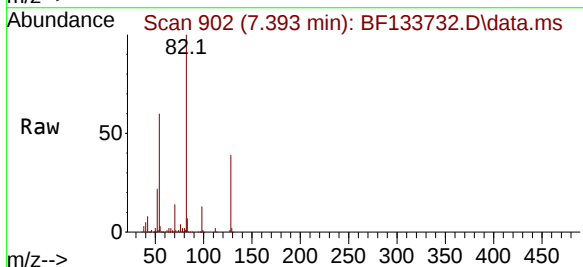
Instrument :
BNA_F
ClientSampleId :
SB35B

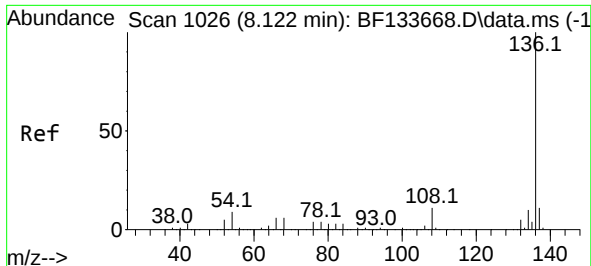
Tgt Ion: 99 Resp: 328707
Ion Ratio Lower Upper
99 100
42 26.6 19.9 29.9
71 42.7 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.186 ng
RT: 7.393 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF133732.D
Acq: 13 Jun 2023 15:48

Tgt Ion: 70 Resp: 30026
Ion Ratio Lower Upper
70 100
42 58.6 55.8 83.8
101 0.0 8.1 12.1#
130 1.6 15.7 23.5#

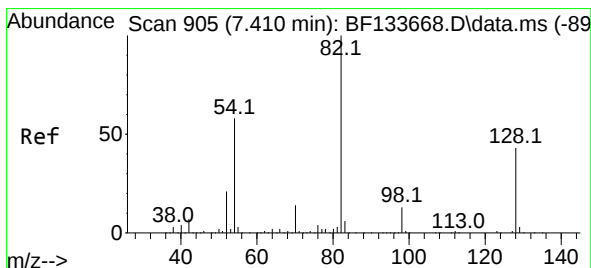
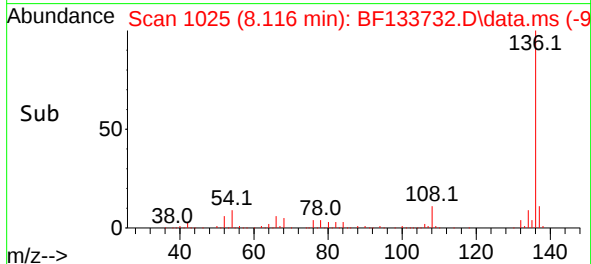
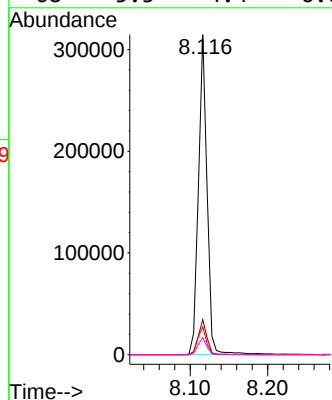
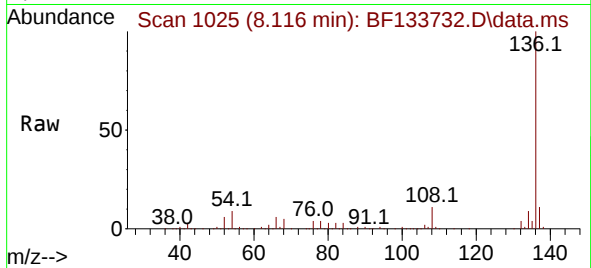




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133732.D
Acq: 13 Jun 2023 15:48

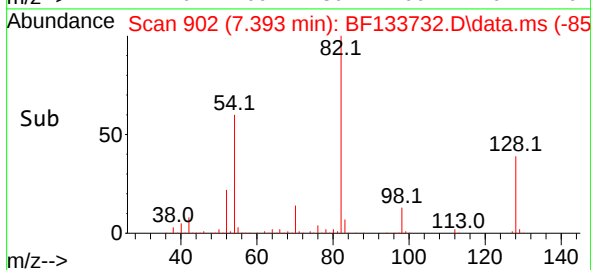
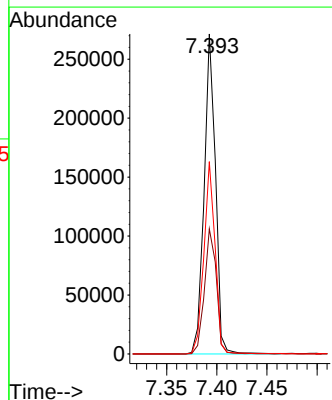
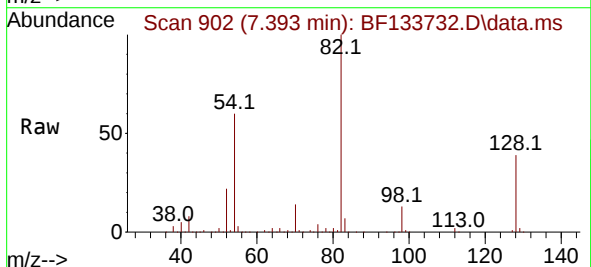
Instrument :
BNA_F
ClientSampleId :
SB35B

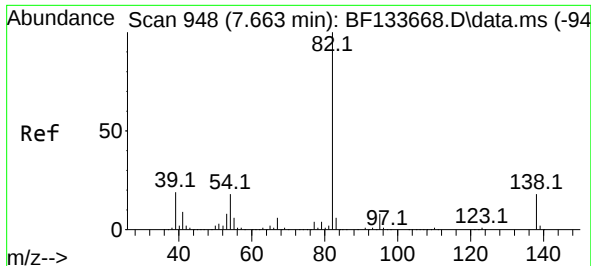
Tgt Ion:136 Resp: 243785
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.7 7.4 11.0
68 5.3 4.4 6.6



#23
Nitrobenzene-d5
Concen: 47.937 ng
RT: 7.393 min Scan# 902
Delta R.T. -0.011 min
Lab File: BF133732.D
Acq: 13 Jun 2023 15:48

Tgt Ion: 82 Resp: 214561
Ion Ratio Lower Upper
82 100
128 39.1 34.2 51.2
54 60.1 46.5 69.7

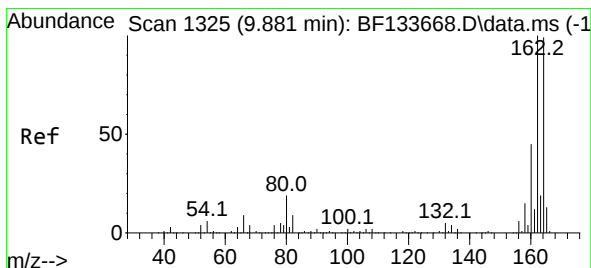
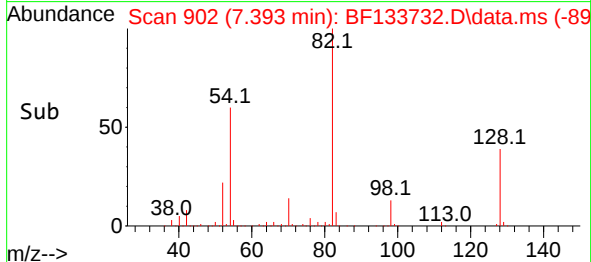
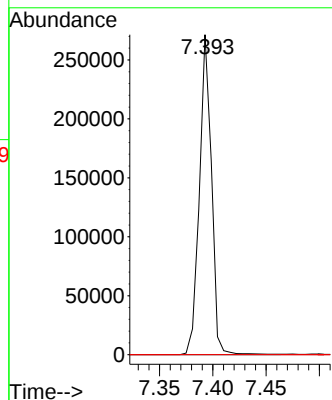
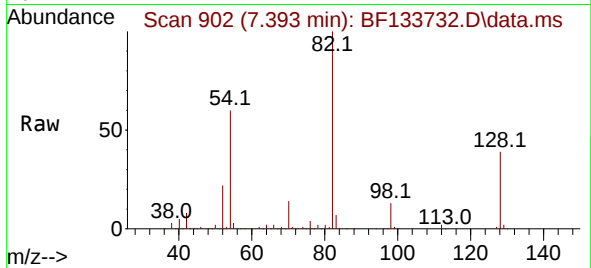




#25
Isophorone
Concen: 26.111 ng
RT: 7.393 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF133732.D
Acq: 13 Jun 2023 15:48

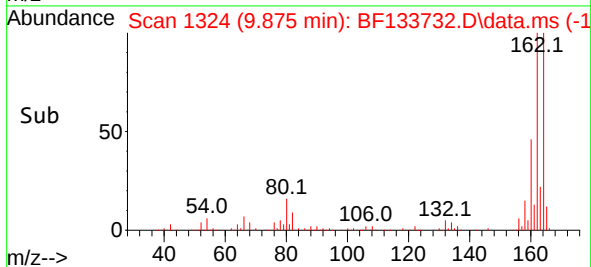
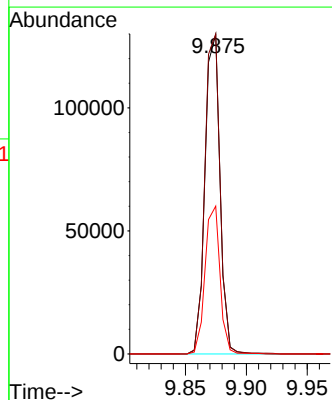
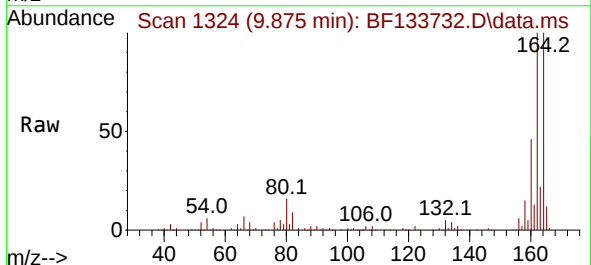
Instrument :
BNA_F
ClientSampleId :
SB35B

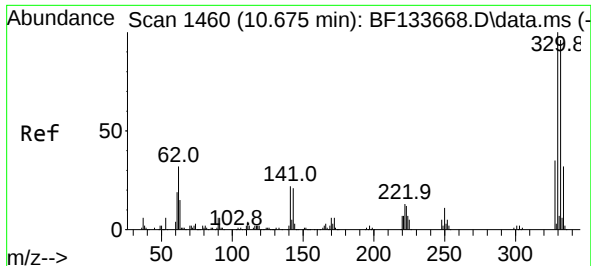
Tgt Ion: 82 Resp: 214556
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133732.D
Acq: 13 Jun 2023 15:48

Tgt Ion: 164 Resp: 110929
Ion Ratio Lower Upper
164 100
162 100.2 80.8 121.2
160 46.3 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 66.287 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.006 min

Lab File: BF133732.D

Acq: 13 Jun 2023 15:48

Instrument :

BNA_F

ClientSampleId :

SB35B

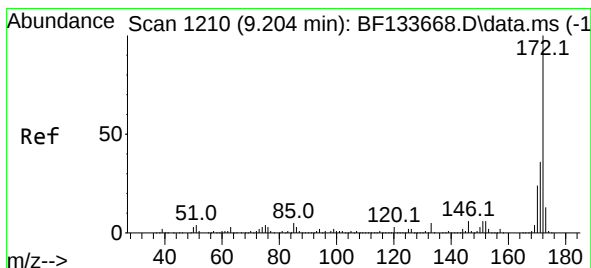
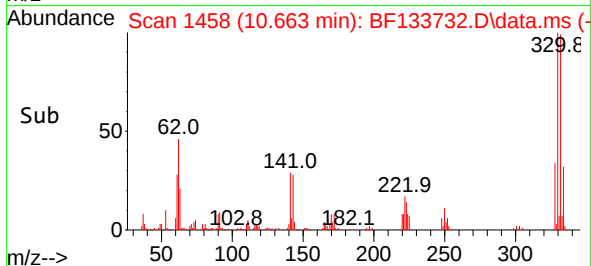
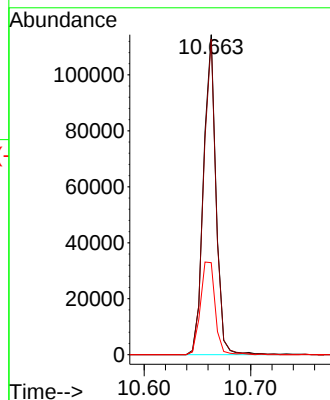
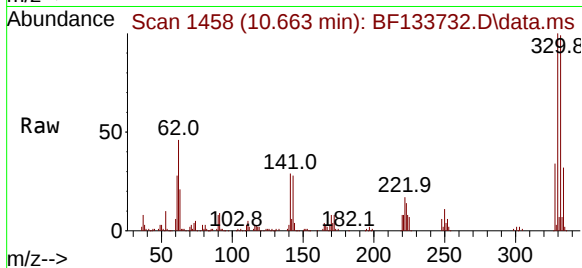
Tgt Ion:330 Resp: 93078

Ion Ratio Lower Upper

330 100

332 98.0 77.2 115.8

141 34.3 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 43.503 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133732.D

Acq: 13 Jun 2023 15:48

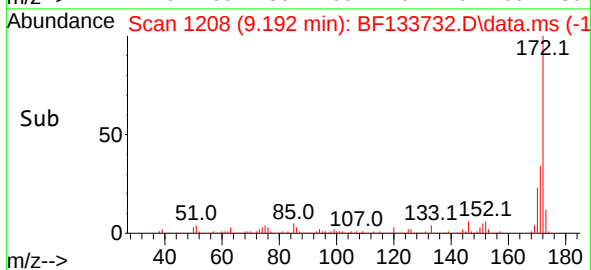
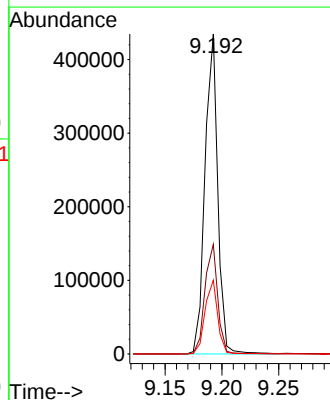
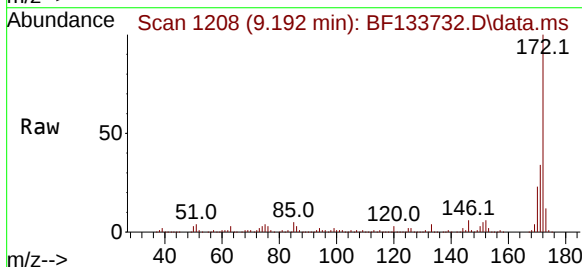
Tgt Ion:172 Resp: 339481

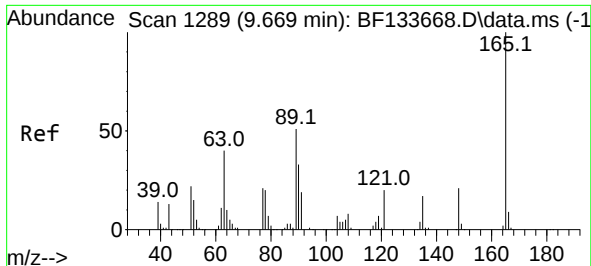
Ion Ratio Lower Upper

172 100

171 34.3 28.6 43.0

170 23.1 19.1 28.7

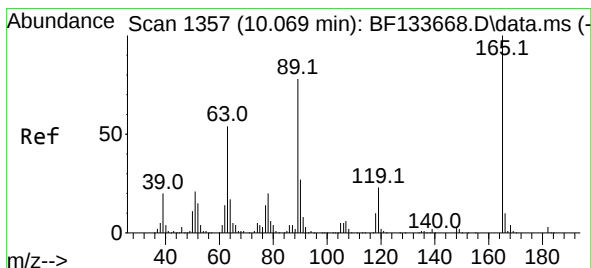
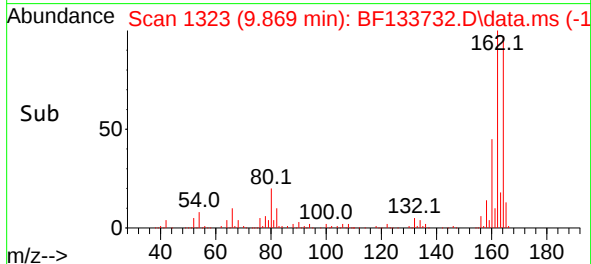
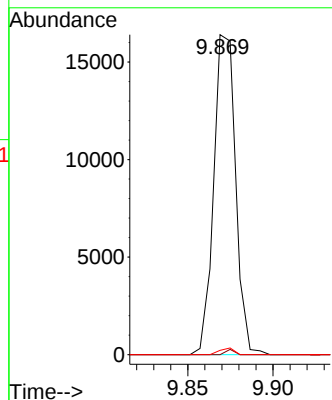
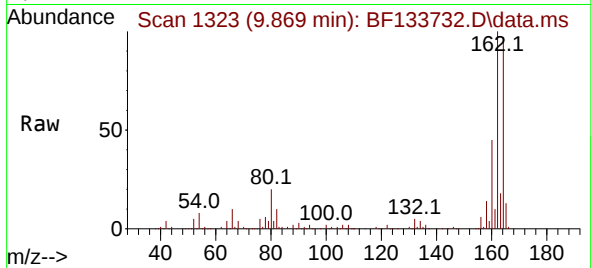




#51
2,6-Dinitrotoluene
Concen: 8.576 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133732.D
Acq: 13 Jun 2023 15:48

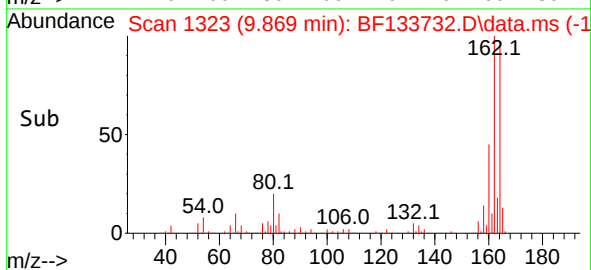
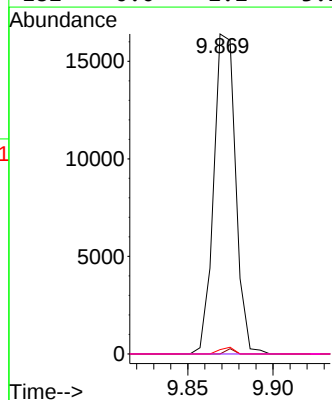
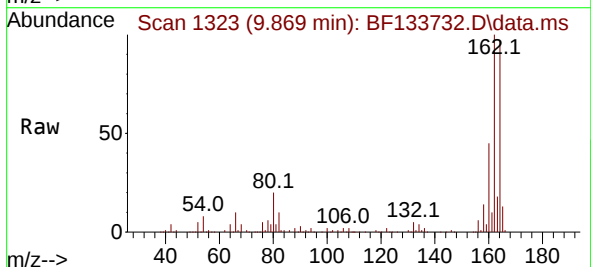
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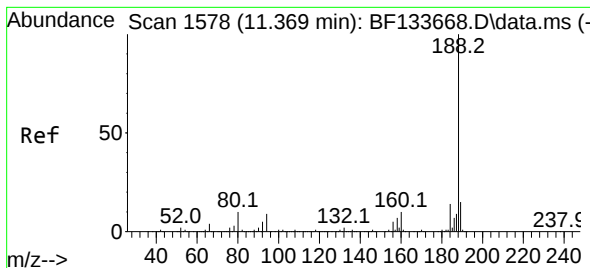
Tgt Ion:165 Resp: 14656
Ion Ratio Lower Upper
165 100
63 0.0 42.1 63.1#
89 1.4 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.743 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.200 min
Lab File: BF133732.D
Acq: 13 Jun 2023 15:48

Tgt Ion:165 Resp: 14656
Ion Ratio Lower Upper
165 100
63 0.0 43.0 64.6#
89 1.4 62.6 93.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133732.D

Acq: 13 Jun 2023 15:48

Instrument :

BNA_F

ClientSampleId :

SB35B

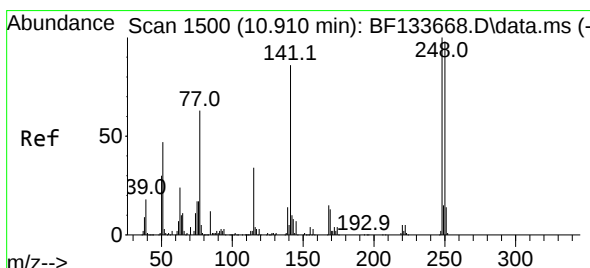
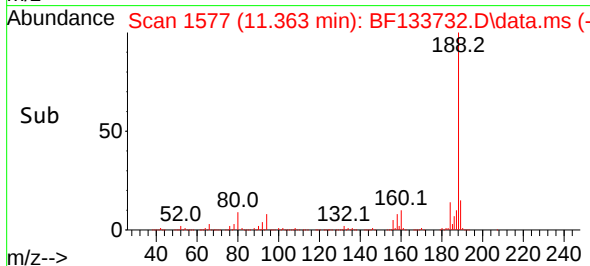
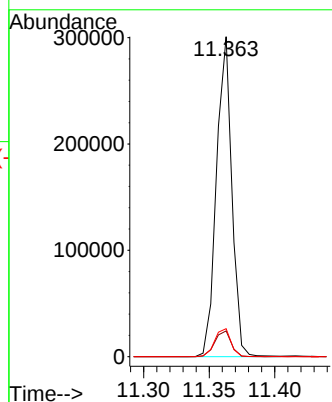
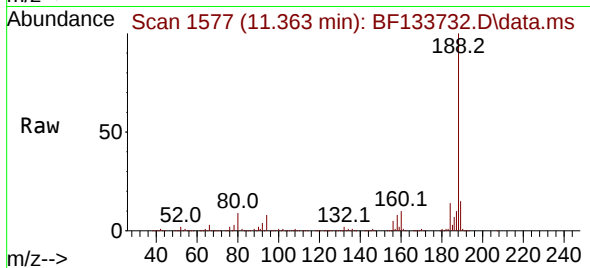
Tgt Ion:188 Resp: 244906

Ion Ratio Lower Upper

188 100

94 8.0 6.8 10.2

80 8.7 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 2.197 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.247 min

Lab File: BF133732.D

Acq: 13 Jun 2023 15:48

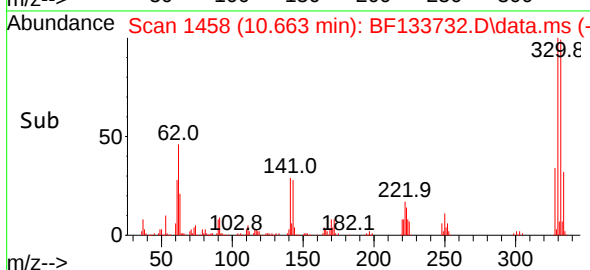
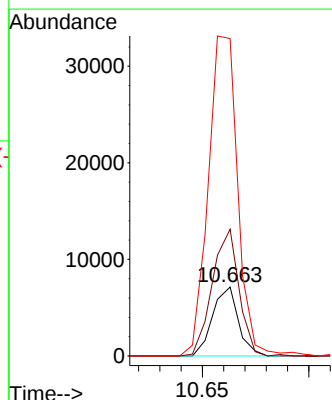
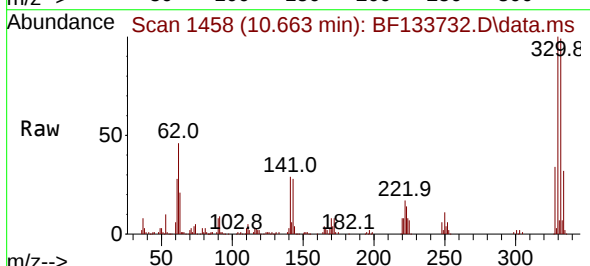
Tgt Ion:248 Resp: 6006

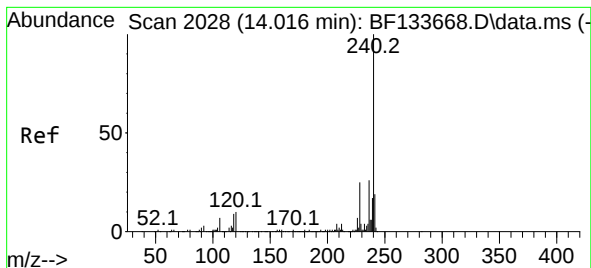
Ion Ratio Lower Upper

248 100

250 183.6 78.3 117.5#

141 459.9 69.0 103.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF133732.D

Acq: 13 Jun 2023 15:48

Instrument :

BNA_F

ClientSampleId :

SB35B

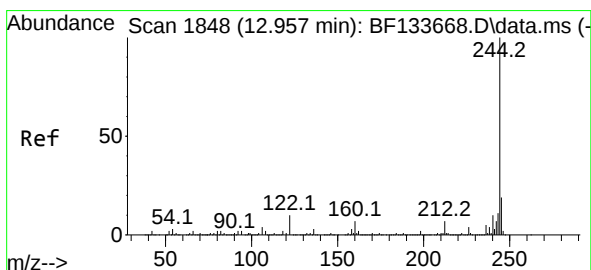
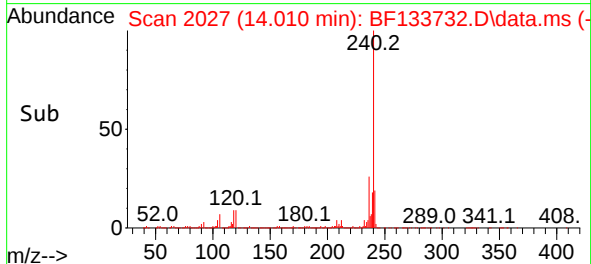
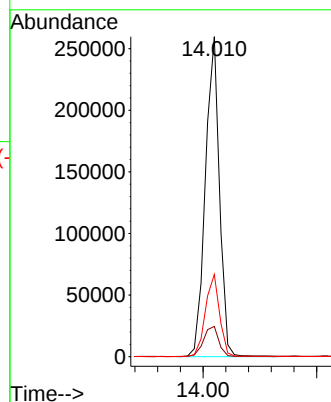
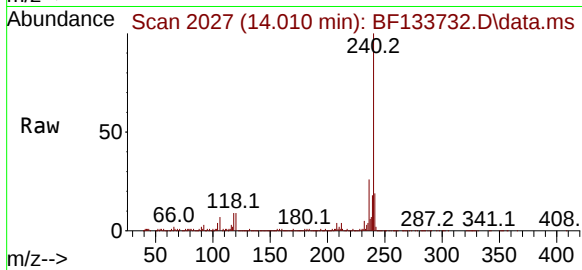
Tgt Ion:240 Resp: 222840

Ion Ratio Lower Upper

240 100

120 9.5 8.1 12.1

236 25.7 20.5 30.7



#79

Terphenyl-d14

Concen: 32.082 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133732.D

Acq: 13 Jun 2023 15:48

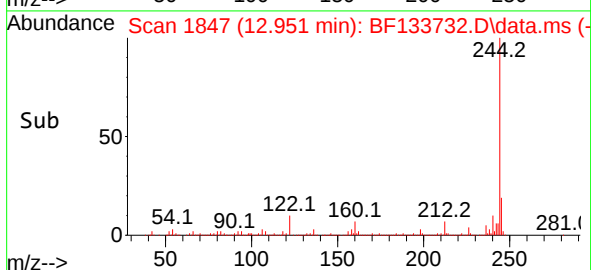
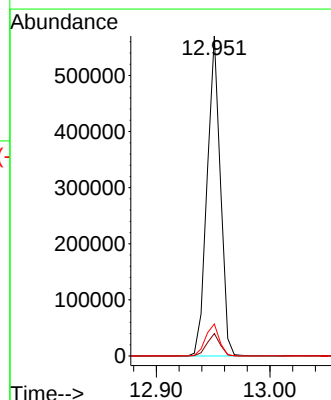
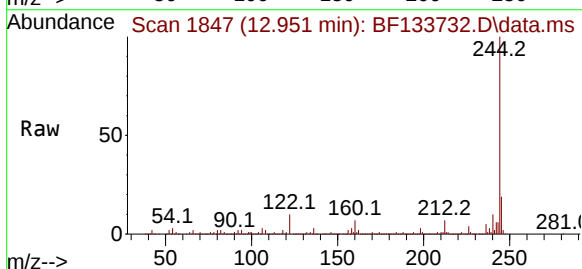
Tgt Ion:244 Resp: 462023

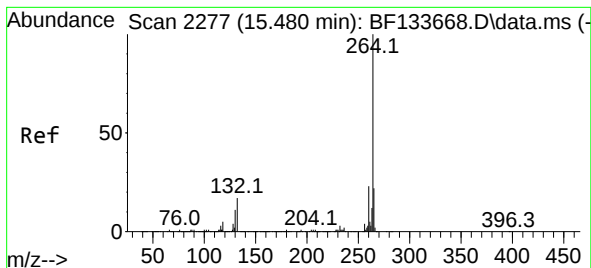
Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 10.0 8.1 12.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133732.D

Acq: 13 Jun 2023 15:48

Instrument :

BNA_F

ClientSampleId :

SB35B

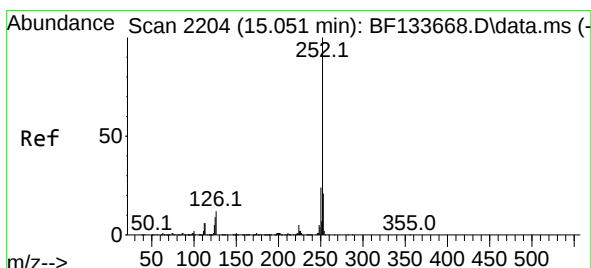
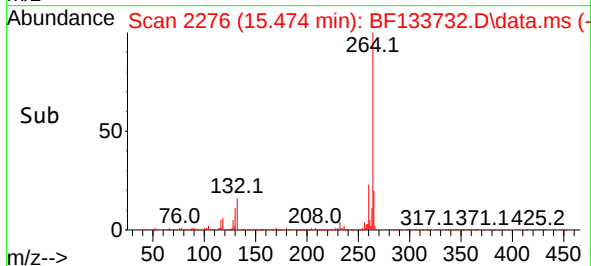
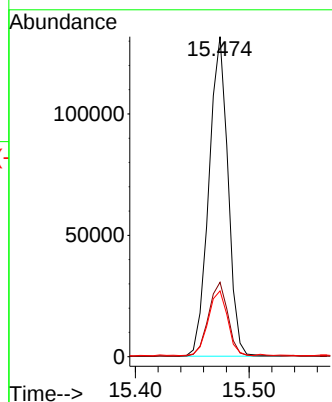
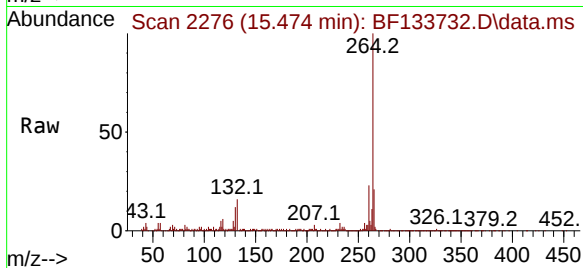
Tgt Ion:264 Resp: 153527

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.2

265 20.6 17.8 26.6



#88

Benzo(b)fluoranthene

Concen: 2.069 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.012 min

Lab File: BF133732.D

Acq: 13 Jun 2023 15:48

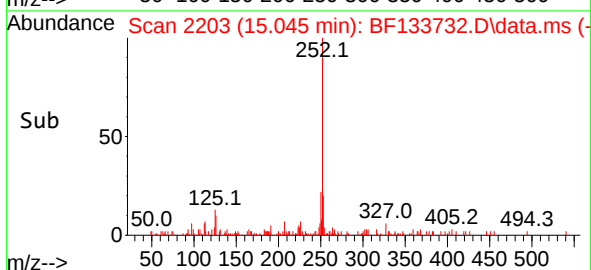
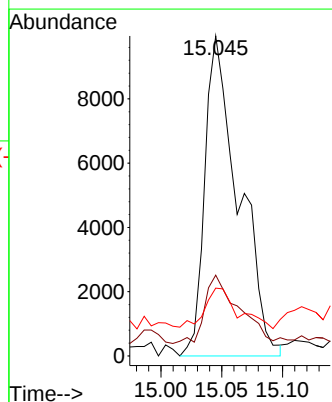
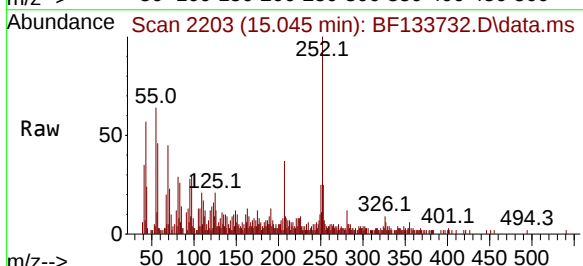
Tgt Ion:252 Resp: 19299

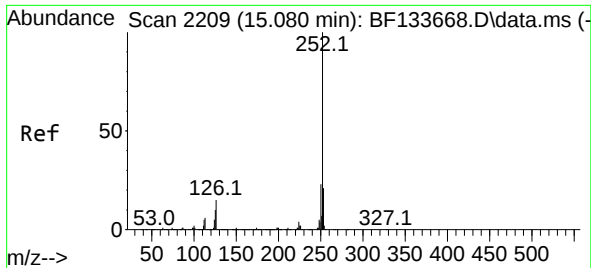
Ion Ratio Lower Upper

252 100

253 25.2 17.0 25.6

125 21.2 7.3 10.9#





#89
Benzo(k)fluoranthene
Concen: 2.124 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF133732.D
Acq: 13 Jun 2023 15:48

Instrument :
BNA_F
ClientSampleId :
SB35B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.0	25.4
125	21.2	7.8	11.6#

