

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061323\
 Data File : BF133734.D
 Acq On : 13 Jun 2023 16:52
 Operator : CG\JU
 Sample : 03069-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB35A

Quant Time: Jun 13 17:11:08 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)

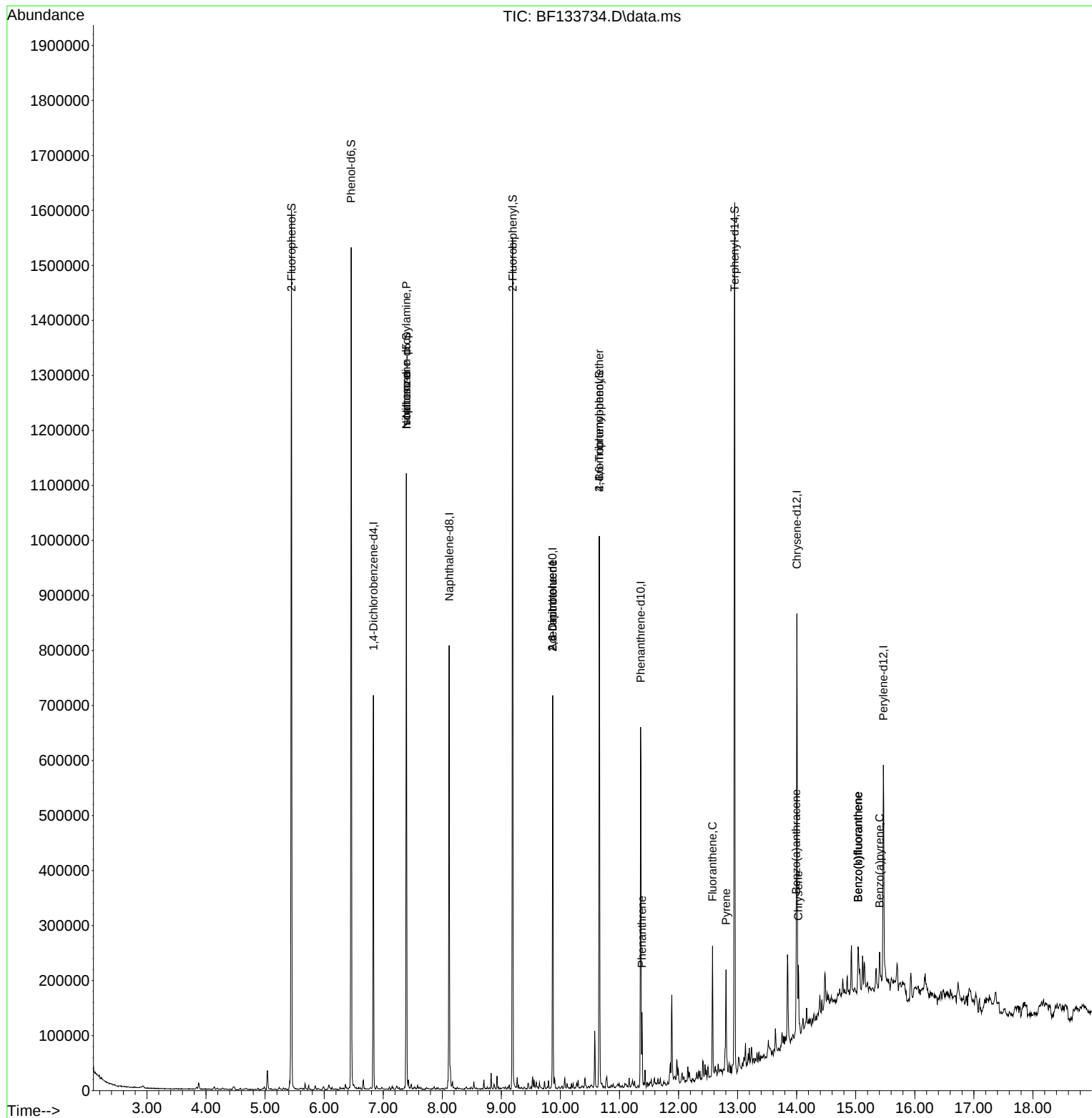
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	93742	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	308196	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	128938	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	241129	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	225224	20.000	ng	-0.01
86) Perylene-d12	15.468	264	177557	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	374453	69.540	ng	0.00
7) Phenol-d6	6.457	99	427191	60.949	ng	-0.01
23) Nitrobenzene-d5	7.393	82	277466	49.036	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	103473	63.398	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	474855	52.352	ng	0.00
79) Terphenyl-d14	12.951	244	558434	38.366	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.393	70	38753	8.690	ng	# 78
25) Isophorone	7.393	82	277462	26.709	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	16512	8.312	ng	# 29
57) 2,4-Dinitrotoluene	9.869	165	16512	6.536	ng	# 20
67) 4-Bromophenyl-phenylether	10.657	248	6537	2.429	ng	# 1
71) Phenanthrene	11.381	178	43683	3.571	ng	97
75) Fluoranthene	12.575	202	83150	6.400	ng	100
78) Pyrene	12.804	202	72270	3.445	ng	99
81) Benzo(a)anthracene	13.992	228	45627	2.929	ng	95
83) Chrysene	14.027	228	48257	3.275	ng	96
88) Benzo(b)fluoranthene	15.039	252	55724	5.166	ng	# 94
89) Benzo(k)fluoranthene	15.039	252	55724	5.304	ng	# 94
90) Benzo(a)pyrene	15.404	252	25830	2.580	ng	# 92

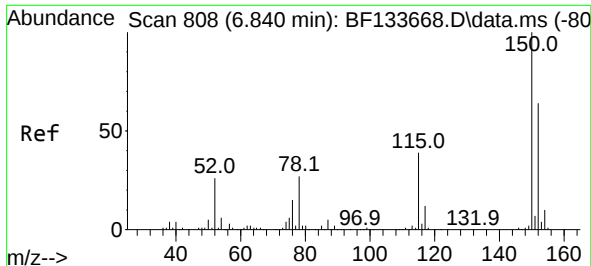
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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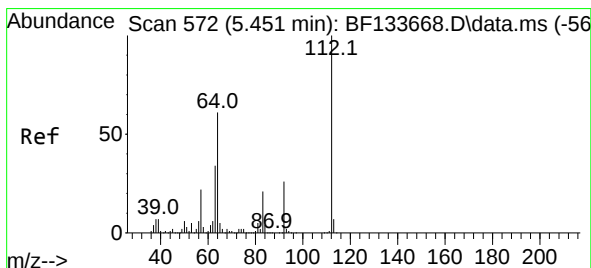
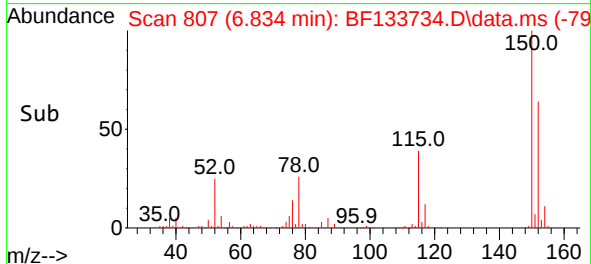
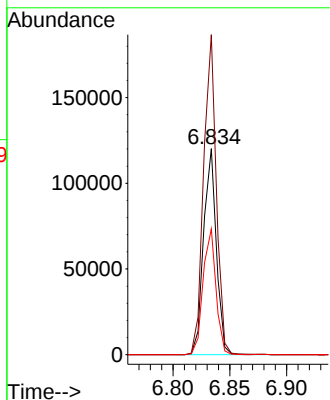
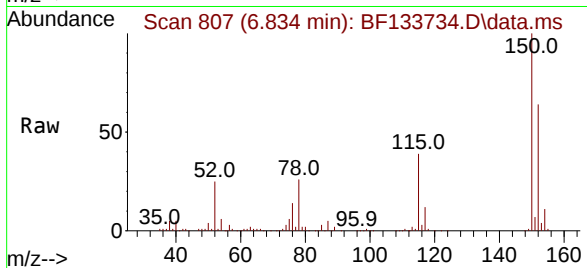




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

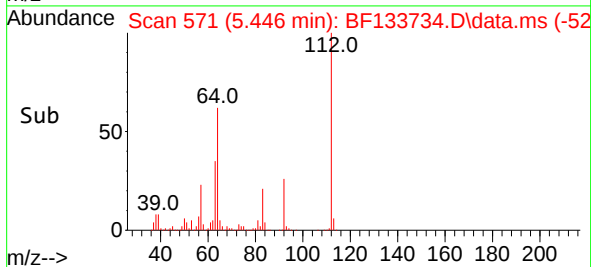
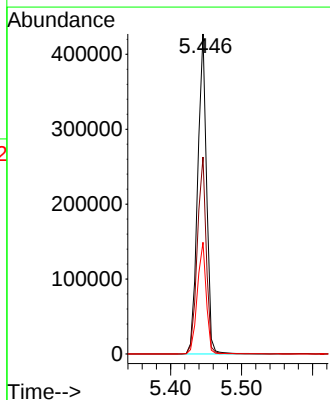
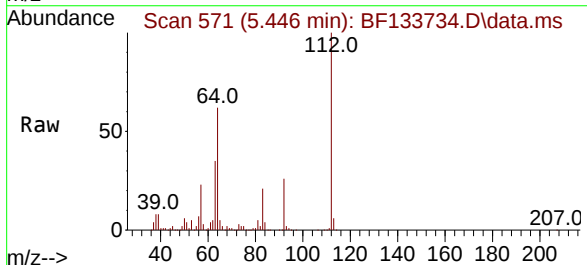
Instrument :
BNA_F
ClientSampleId :
SB35A

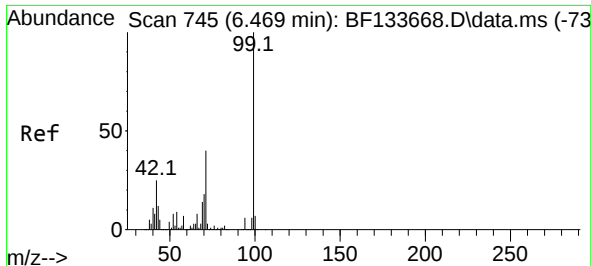
Tgt Ion:152 Resp: 93742
Ion Ratio Lower Upper
152 100
150 155.3 124.3 186.5
115 61.1 48.5 72.7



#5
2-Fluorophenol
Concen: 69.540 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

Tgt Ion:112 Resp: 374453
Ion Ratio Lower Upper
112 100
64 61.5 49.0 73.4
63 34.9 26.8 40.2

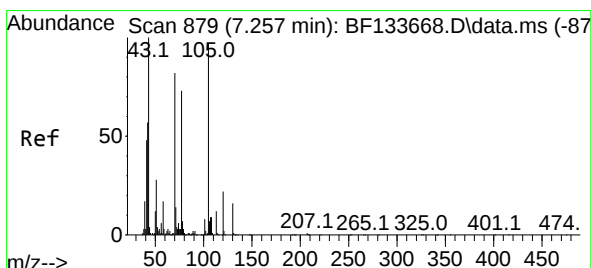
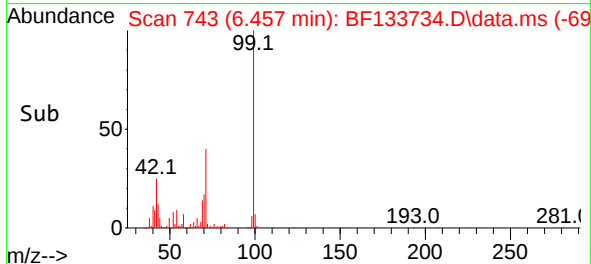
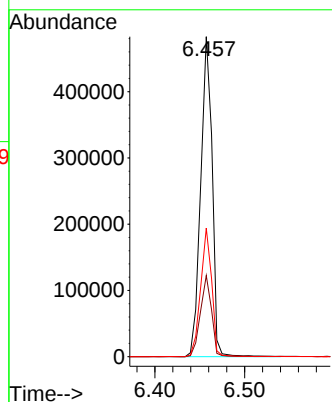
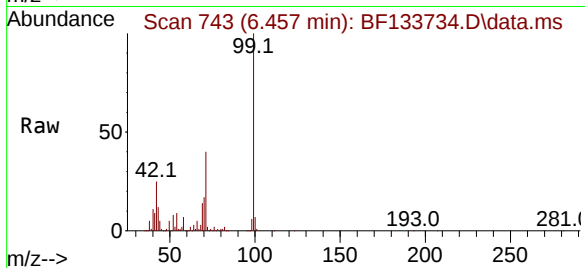




#7
Phenol-d6
Concen: 60.949 ng
RT: 6.457 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

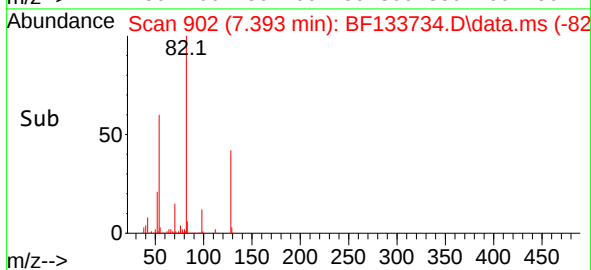
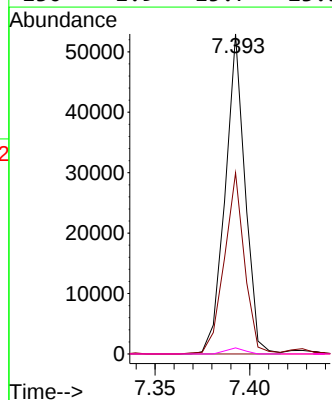
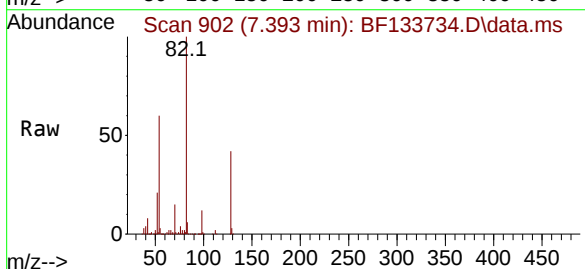
Instrument :
BNA_F
ClientSampleId :
SB35A

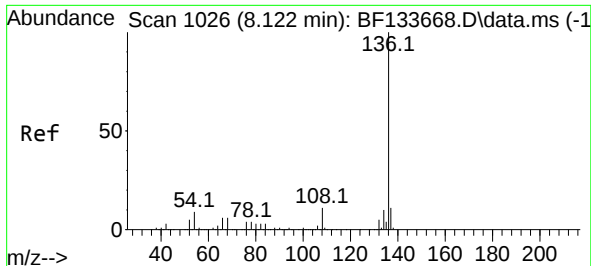
Tgt Ion: 99 Resp: 427191
Ion Ratio Lower Upper
99 100
42 25.4 19.9 29.9
71 40.2 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 8.690 ng
RT: 7.393 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

Tgt Ion: 70 Resp: 38753
Ion Ratio Lower Upper
70 100
42 56.6 55.8 83.8
101 0.0 8.1 12.1#
130 1.9 15.7 23.5#

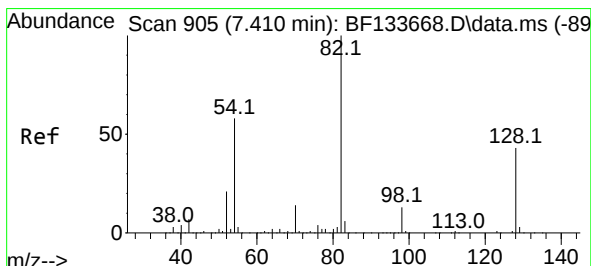
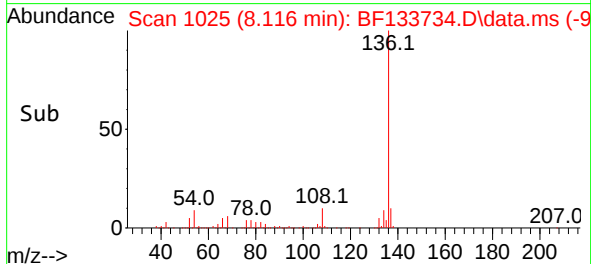
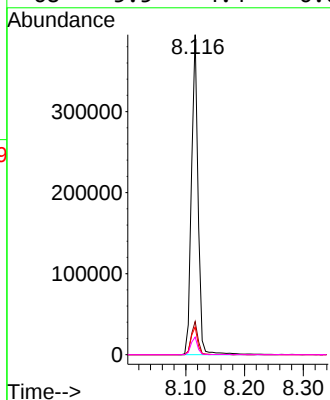
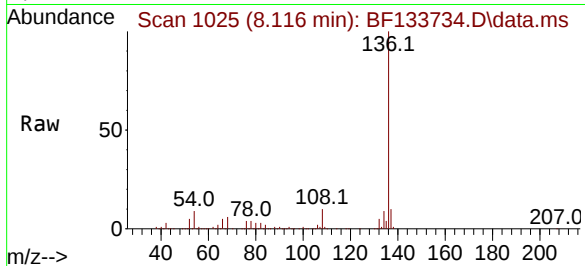




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

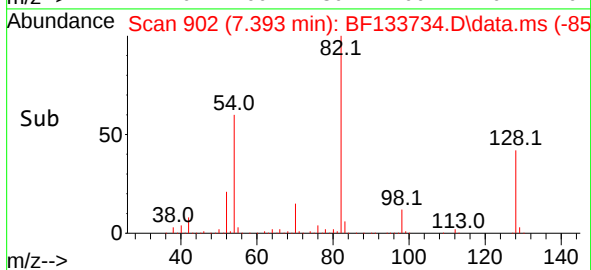
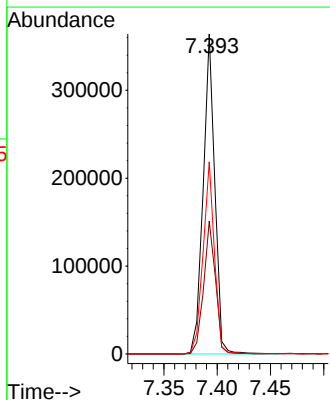
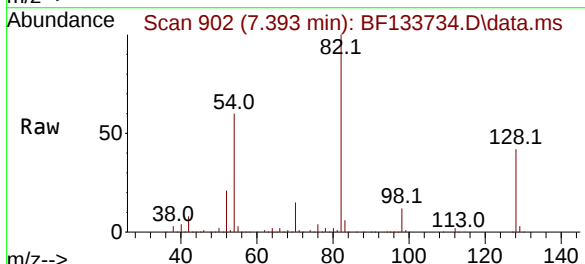
Instrument :
BNA_F
ClientSampleId :
SB35A

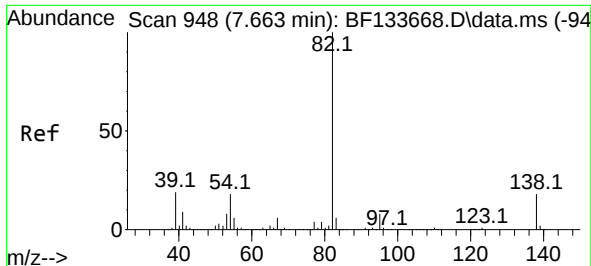
Tgt Ion:136 Resp: 308196
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 8.7 7.4 11.0
68 5.5 4.4 6.6



#23
Nitrobenzene-d5
Concen: 49.036 ng
RT: 7.393 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

Tgt Ion: 82 Resp: 277466
Ion Ratio Lower Upper
82 100
128 41.5 34.2 51.2
54 60.1 46.5 69.7

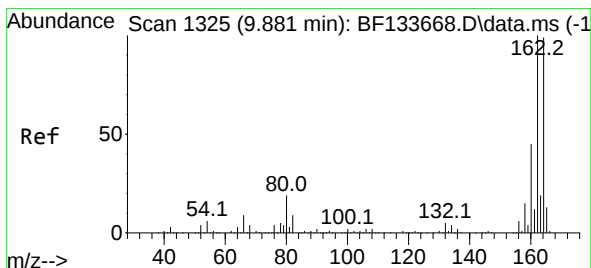
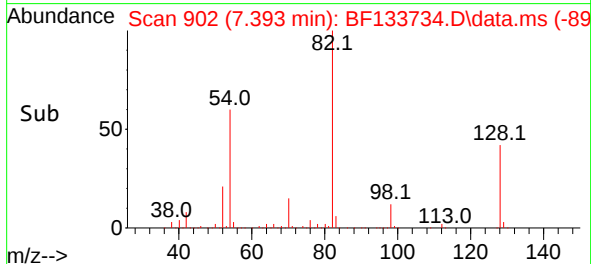
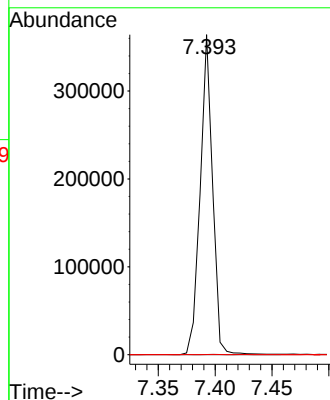
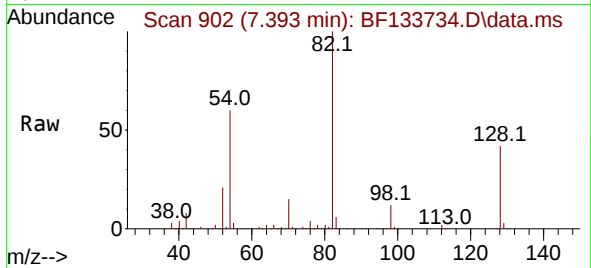




#25
Isophorone
Concen: 26.709 ng
RT: 7.393 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

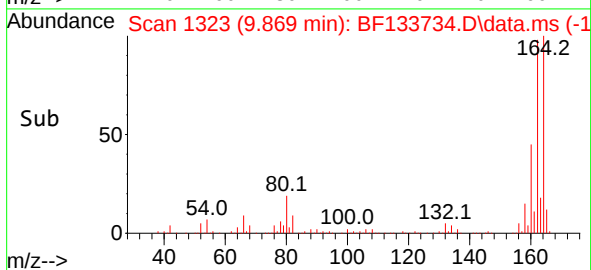
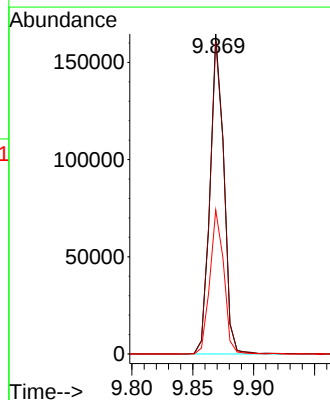
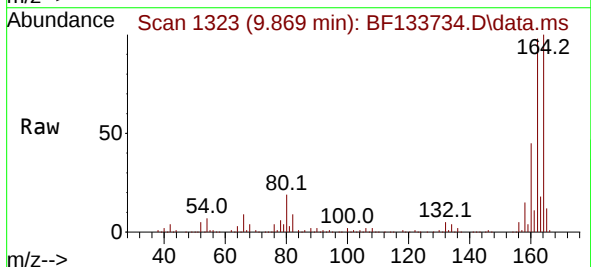
Instrument :
BNA_F
ClientSampleId :
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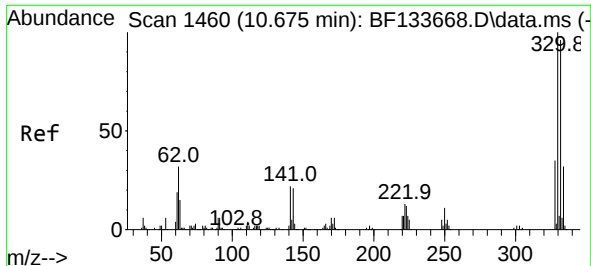
Tgt Ion: 82 Resp: 277462
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

Tgt Ion:164 Resp: 128938
Ion Ratio Lower Upper
164 100
162 97.7 80.8 121.2
160 45.0 36.7 55.1

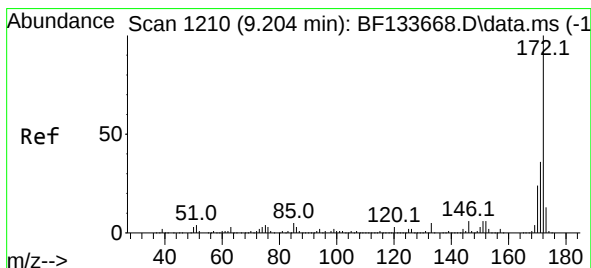
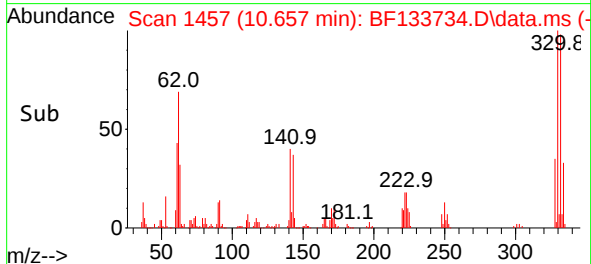
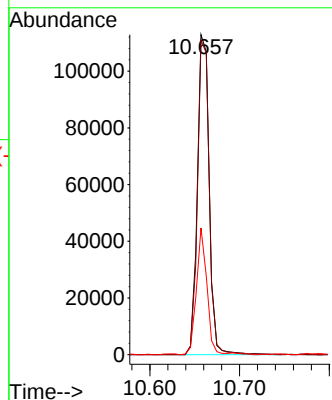
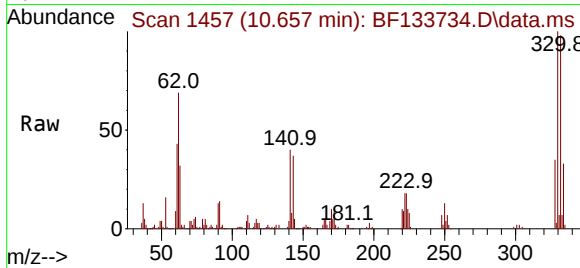




#42
2,4,6-Tribromophenol
Concen: 63.398 ng
RT: 10.657 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

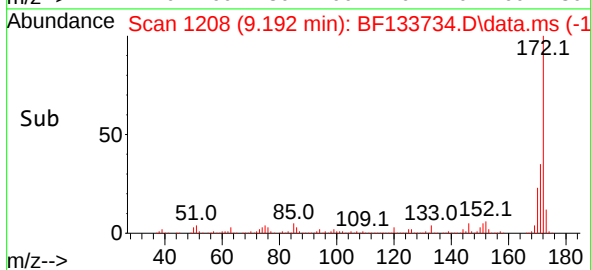
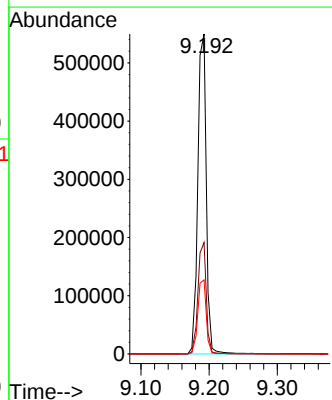
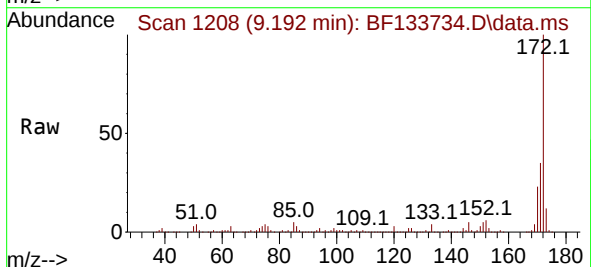
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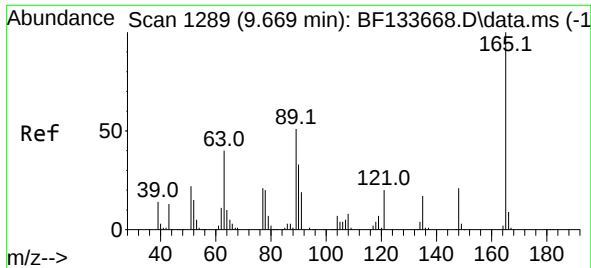
Tgt Ion: 330 Resp: 103473
Ion Ratio Lower Upper
330 100
332 97.5 77.2 115.8
141 35.3 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 52.352 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

Tgt Ion: 172 Resp: 474855
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.2 19.1 28.7

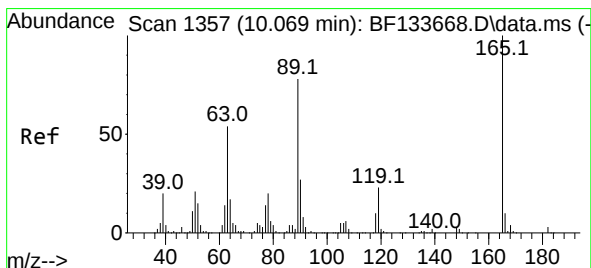
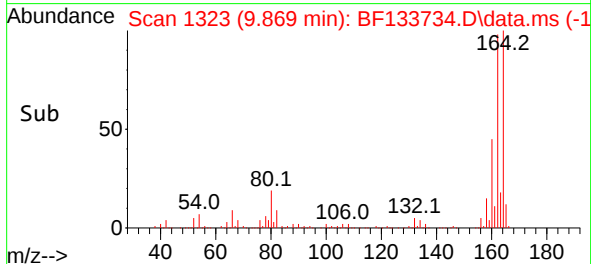
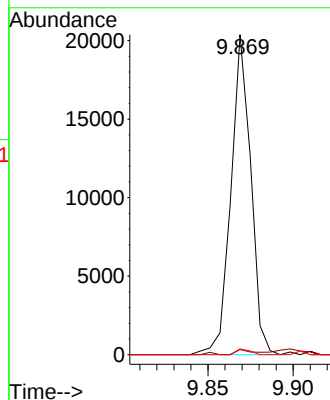
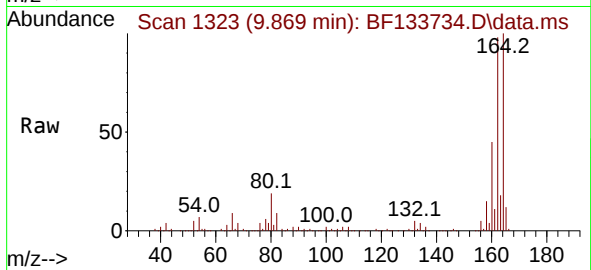




#51
2,6-Dinitrotoluene
Concen: 8.312 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

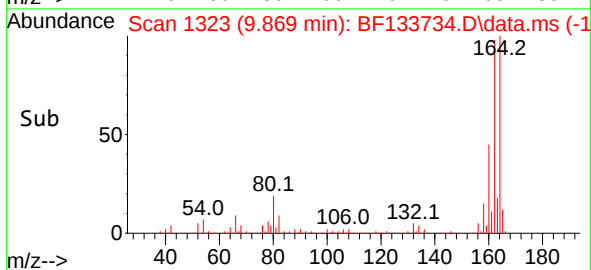
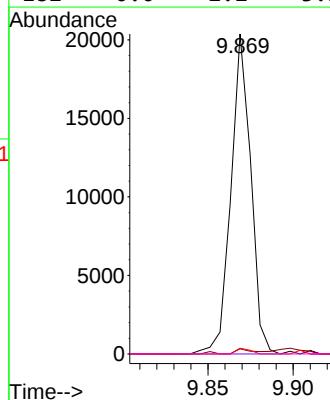
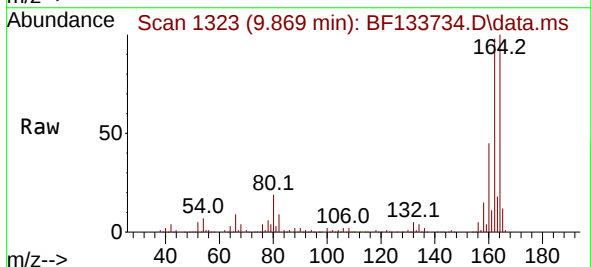
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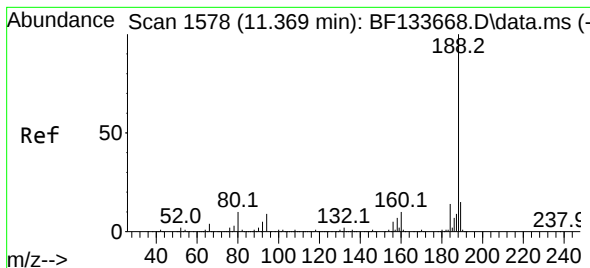
Tgt Ion:165 Resp: 16512
Ion Ratio Lower Upper
165 100
63 1.6 42.1 63.1#
89 1.8 40.9 61.3#



#57
2,4-Dinitrotoluene
Concen: 6.536 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.200 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

Tgt Ion:165 Resp: 16512
Ion Ratio Lower Upper
165 100
63 1.6 43.0 64.6#
89 1.8 62.6 93.8#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF133734.D

Acq: 13 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

SB35A

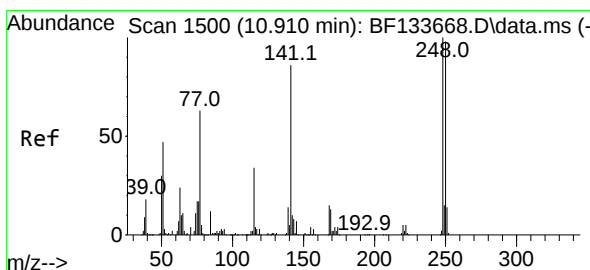
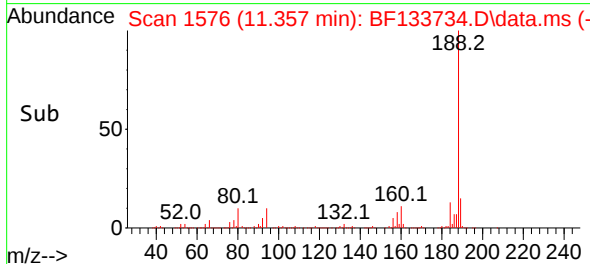
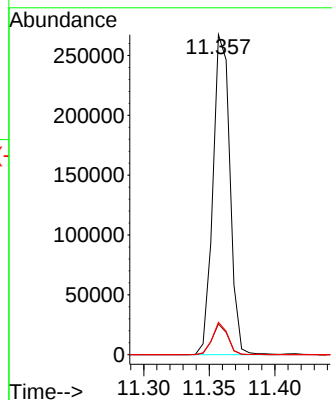
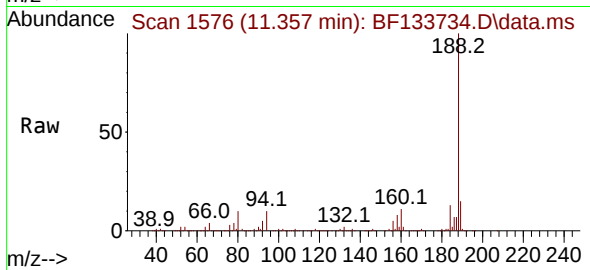
Tgt Ion:188 Resp: 241129

Ion Ratio Lower Upper

188 100

94 9.6 6.8 10.2

80 10.2 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 2.429 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.253 min

Lab File: BF133734.D

Acq: 13 Jun 2023 16:52

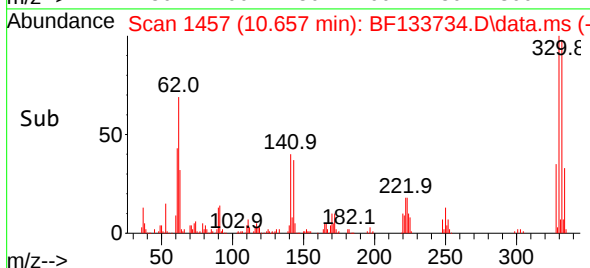
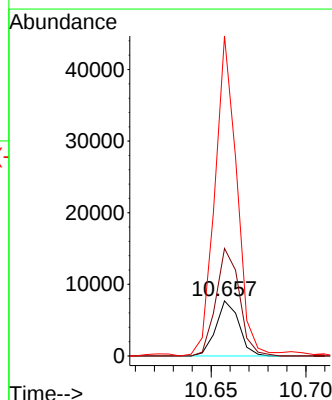
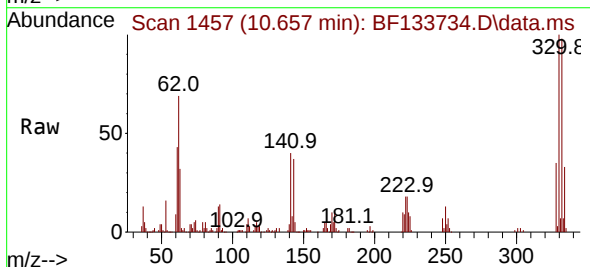
Tgt Ion:248 Resp: 6537

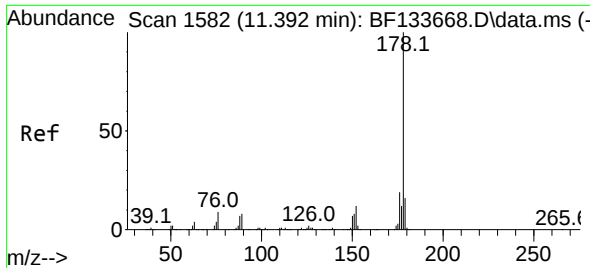
Ion Ratio Lower Upper

248 100

250 195.0 78.3 117.5#

141 580.6 69.0 103.6#

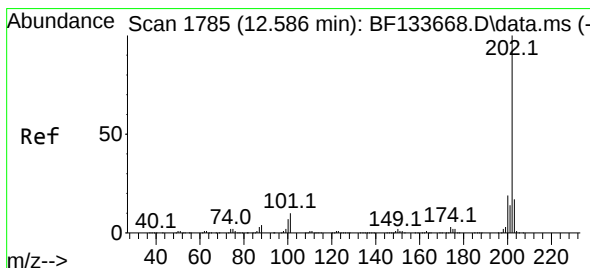
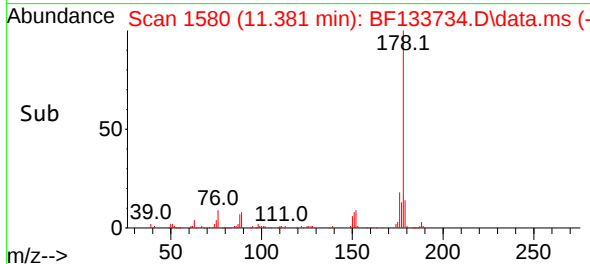
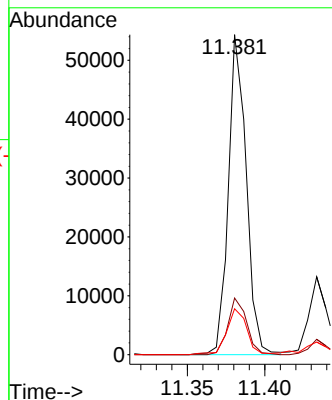
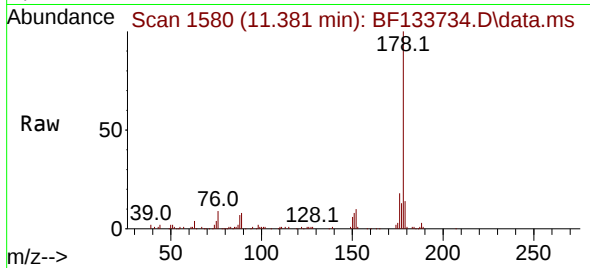




#71
Phenanthrene
Concen: 3.571 ng
RT: 11.381 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

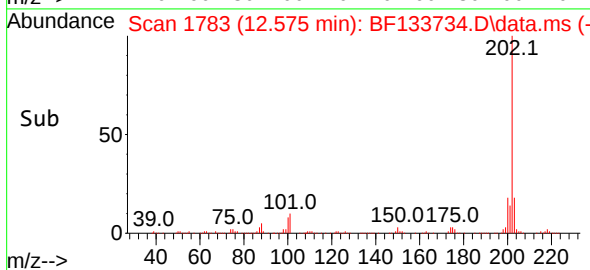
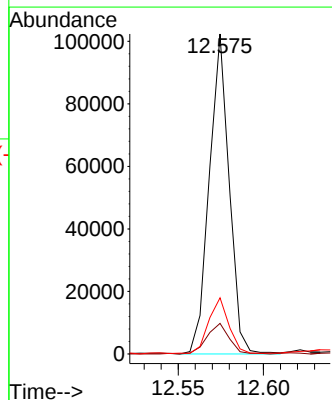
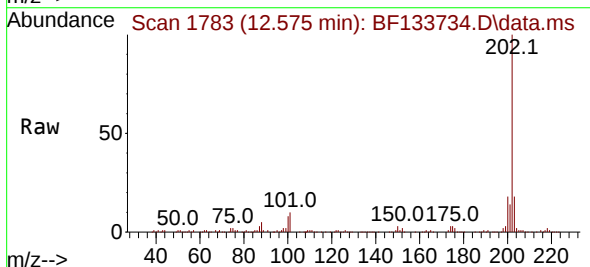
Instrument :
BNA_F
ClientSampleId :
SB35A

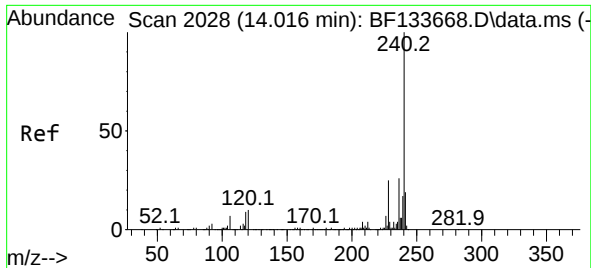
Tgt Ion:178 Resp: 43683
Ion Ratio Lower Upper
178 100
176 17.7 15.6 23.4
179 14.4 12.4 18.6



#75
Fluoranthene
Concen: 6.400 ng
RT: 12.575 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

Tgt Ion:202 Resp: 83150
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.6
203 17.5 0.0 37.4

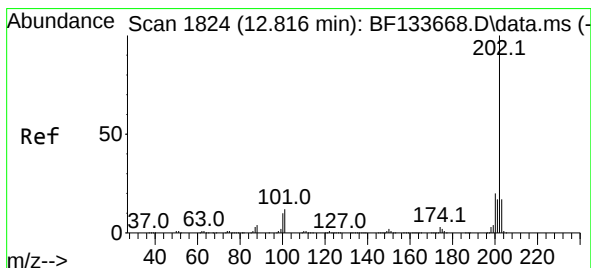
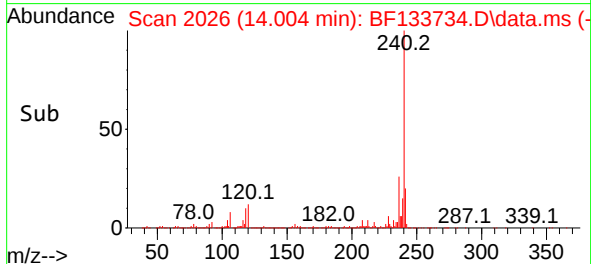
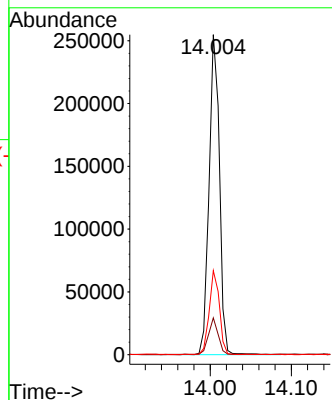
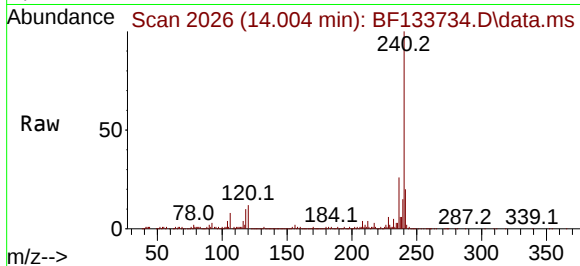




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

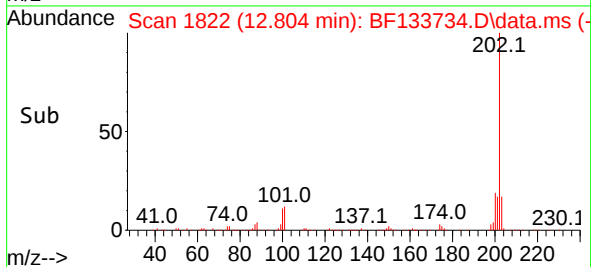
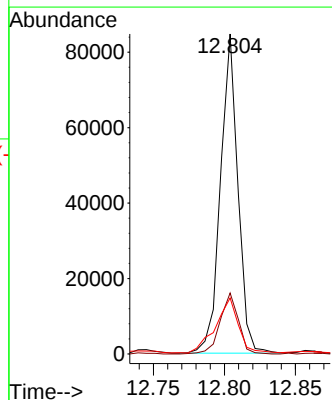
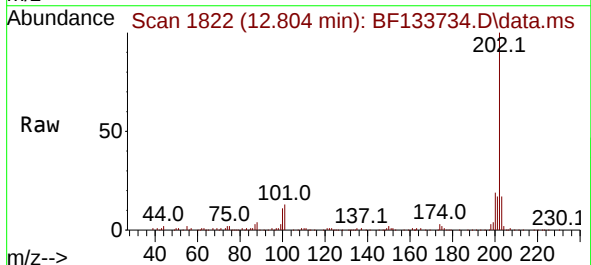
Instrument :
BNA_F
ClientSampleId :
SB35A

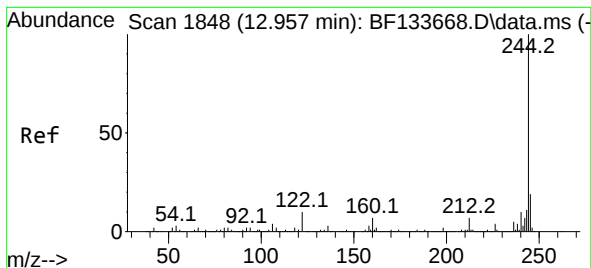
Tgt Ion:240 Resp: 225224
Ion Ratio Lower Upper
240 100
120 11.5 8.1 12.1
236 26.2 20.5 30.7



#78
Pyrene
Concen: 3.445 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

Tgt Ion:202 Resp: 72270
Ion Ratio Lower Upper
202 100
200 19.0 16.2 24.2
203 17.5 13.9 20.9





#79

Terphenyl-d14

Concen: 38.366 ng

RT: 12.951 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133734.D

Acq: 13 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

SB35A

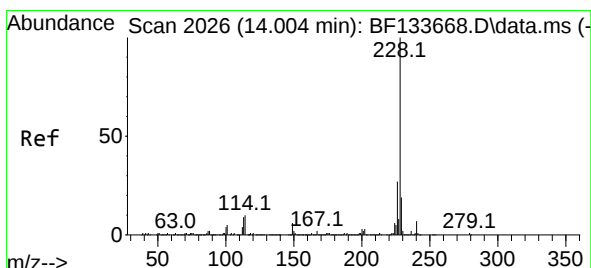
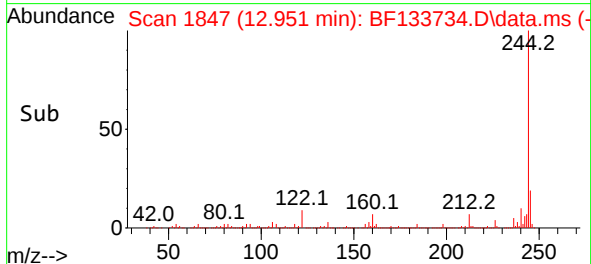
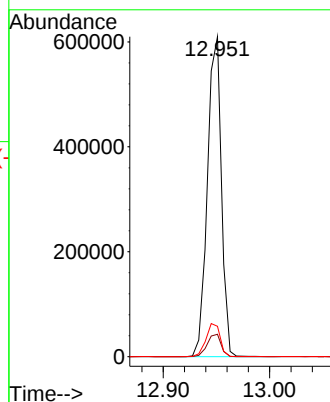
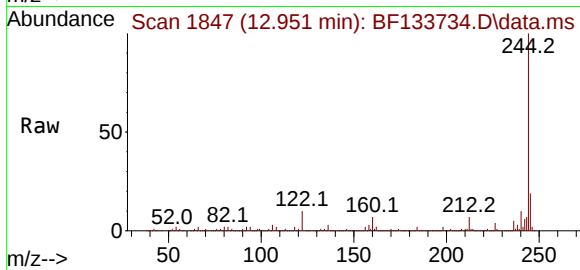
Tgt Ion:244 Resp: 558434

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 9.5 8.1 12.1



#81

Benzo(a)anthracene

Concen: 2.929 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.012 min

Lab File: BF133734.D

Acq: 13 Jun 2023 16:52

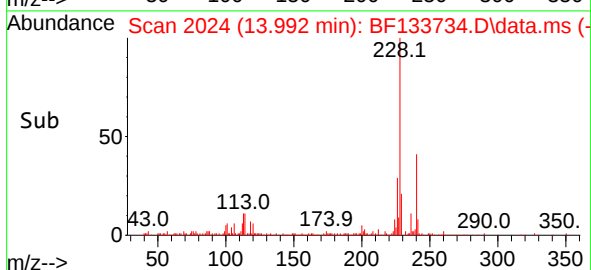
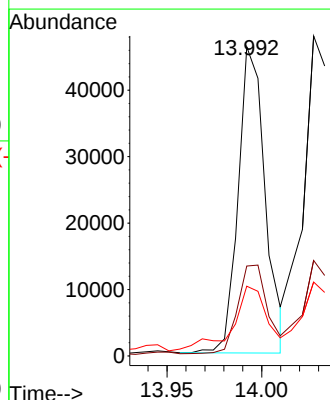
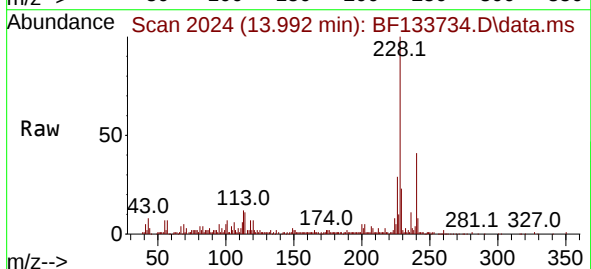
Tgt Ion:228 Resp: 45627

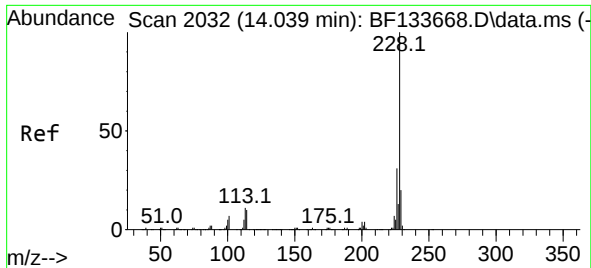
Ion Ratio Lower Upper

228 100

226 29.1 21.7 32.5

229 22.6 15.4 23.2

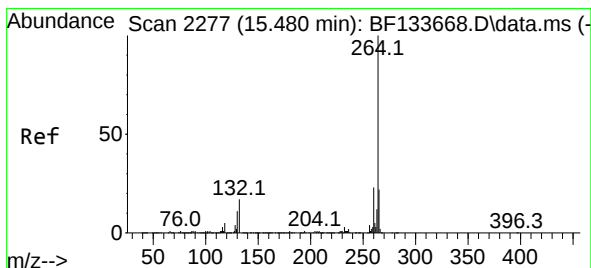
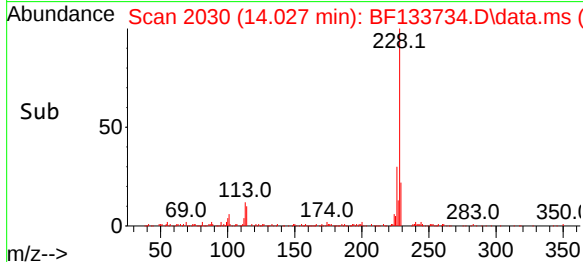
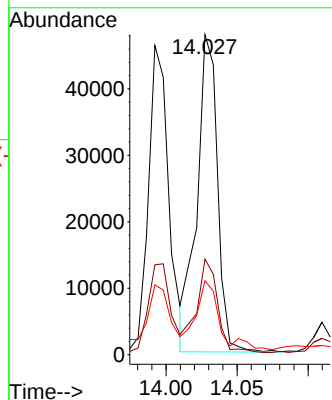
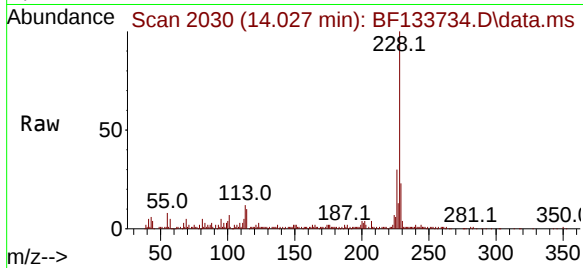




#83
Chrysene
Concen: 3.275 ng
RT: 14.027 min Scan# 2032
Delta R.T. -0.017 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

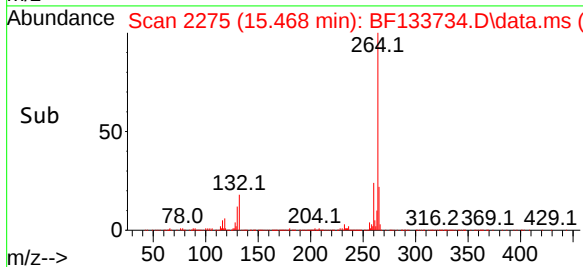
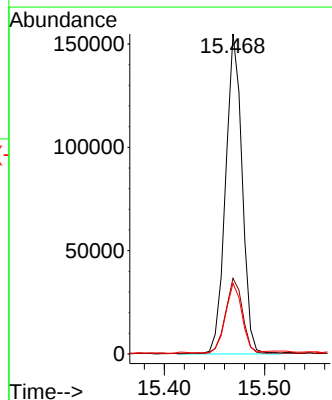
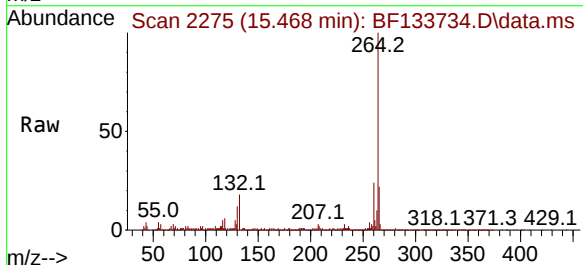
Instrument :
BNA_F
ClientSampleId :
SB35A

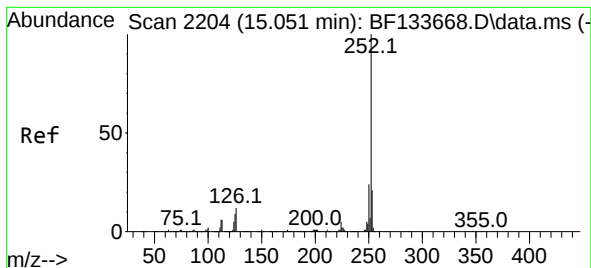
Tgt Ion:228 Resp: 48257
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 23.1 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.012 min
Lab File: BF133734.D
Acq: 13 Jun 2023 16:52

Tgt Ion:264 Resp: 177557
Ion Ratio Lower Upper
264 100
260 23.7 18.2 27.2
265 22.1 17.8 26.6





#88

Benzo(b)fluoranthene

Concen: 5.166 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF133734.D

Acq: 13 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

SB35A

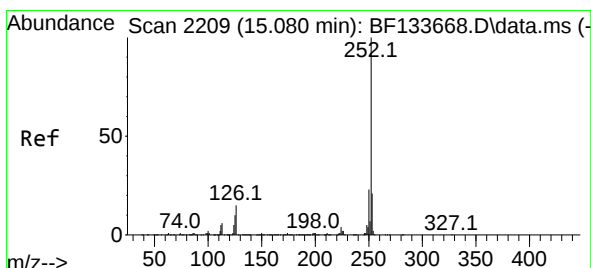
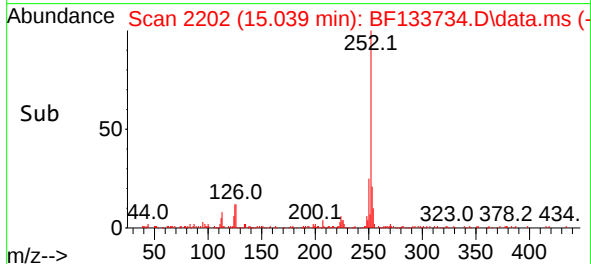
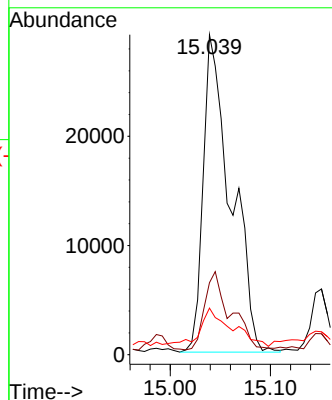
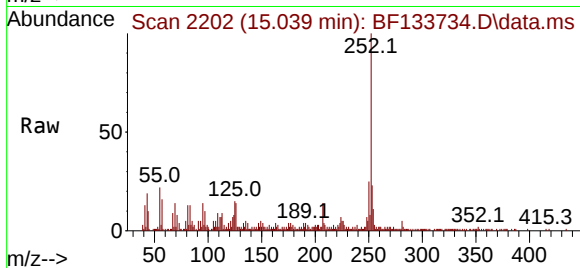
Tgt Ion:252 Resp: 55724

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

125 14.5 7.3 10.9#



#89

Benzo(k)fluoranthene

Concen: 5.304 ng

RT: 15.039 min Scan# 2202

Delta R.T. -0.047 min

Lab File: BF133734.D

Acq: 13 Jun 2023 16:52

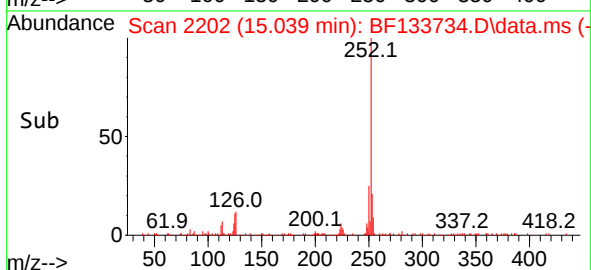
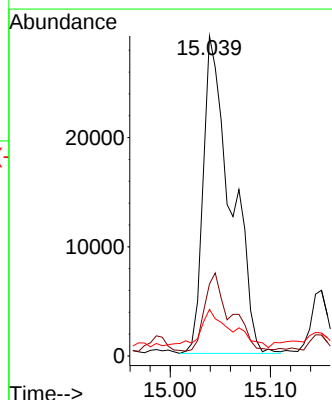
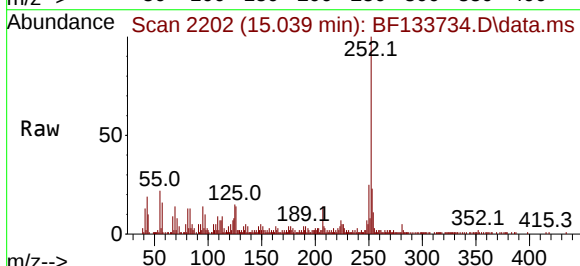
Tgt Ion:252 Resp: 55724

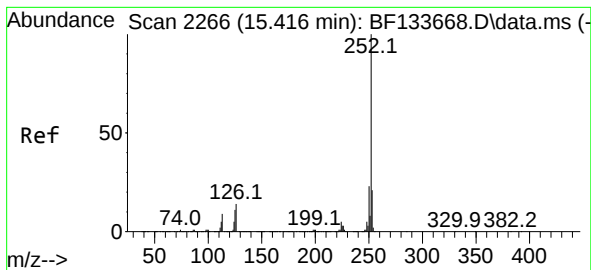
Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.4

125 14.5 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 2.580 ng

RT: 15.404 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF133734.D

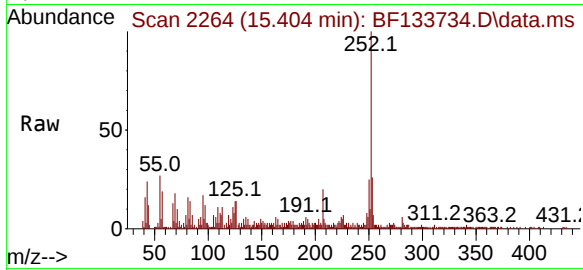
Acq: 13 Jun 2023 16:52

Instrument :

BNA_F

ClientSampleId :

SB35A



Tgt Ion:252 Resp: 25830

Ion Ratio Lower Upper

252 100

253 25.5 17.1 25.7

125 13.6 8.6 13.0#

