

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134324.D
 Acq On : 17 Jul 2023 19:48
 Operator : CG\JU
 Sample : 03601-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-1-071223RE

Quant Time: Jul 18 01:16:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

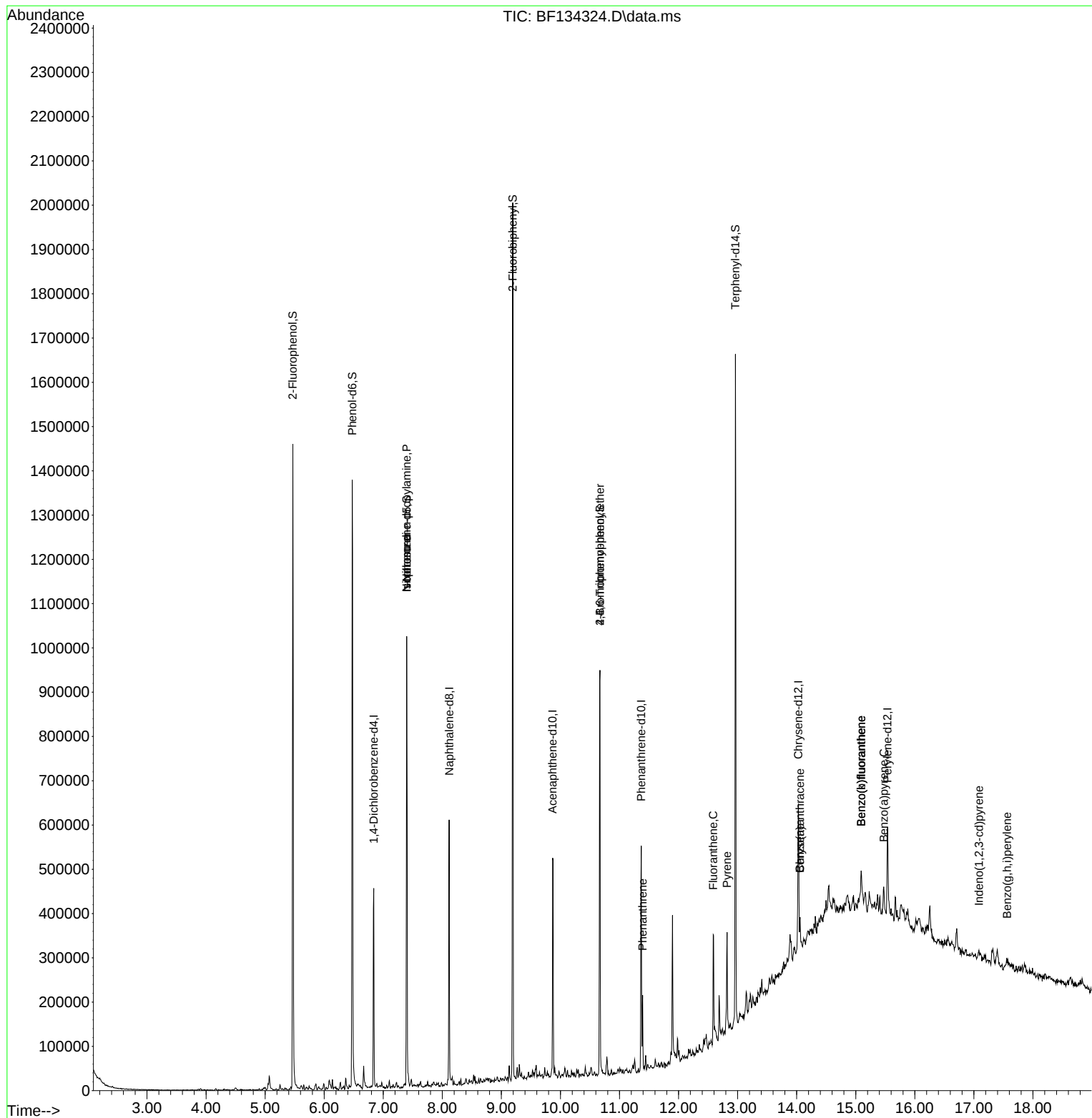
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	65305	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	231142	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	102373	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	184390	20.000	ng	0.00
76) Chrysene-d12	14.027	240	104068	20.000	ng	-0.01
86) Perylene-d12	15.539	264	84950	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	365111	93.522	ng	0.00
7) Phenol-d6	6.475	99	427952	89.135	ng	-0.01
23) Nitrobenzene-d5	7.398	82	287569	67.065	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	118222	92.105	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	512778	72.824	ng	-0.01
79) Terphenyl-d14	12.963	244	509750	78.833	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	57	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	39992	13.135	ng	# 79
25) Isophorone	7.398	82	287423	36.882	ng	# 64
67) 4-Bromophenyl-phenylether	10.669	248	7184	3.666	ng	# 1
71) Phenanthrene	11.392	178	58848	6.340	ng	97
75) Fluoranthene	12.586	202	102043	10.168	ng	99
78) Pyrene	12.821	202	89740	9.266	ng	99
81) Benzo(a)anthracene	14.057	228	35696	4.946	ng	93
83) Chrysene	14.057	228	35696	5.106	ng	96
87) Indeno(1,2,3-cd)pyrene	17.086	276	13509	2.292	ng	98
88) Benzo(b)fluoranthene	15.092	252	45786	9.166	ng	# 79
89) Benzo(k)fluoranthene	15.092	252	45786	9.003	ng	# 78
90) Benzo(a)pyrene	15.474	252	24162	5.002	ng	# 83
92) Benzo(g,h,i)perylene	17.562	276	15626	3.147	ng	# 75

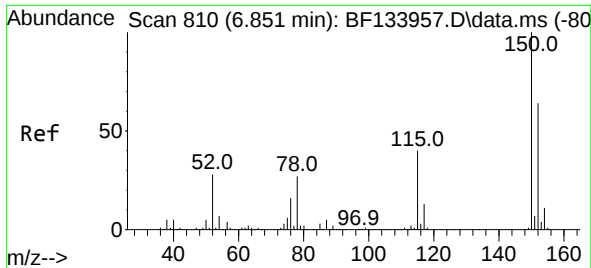
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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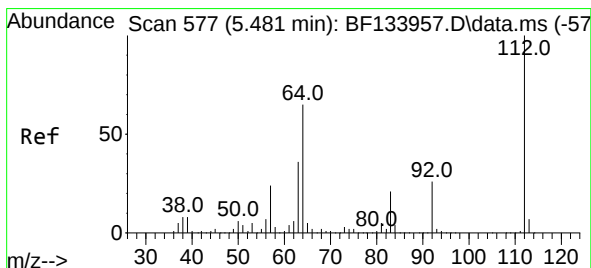
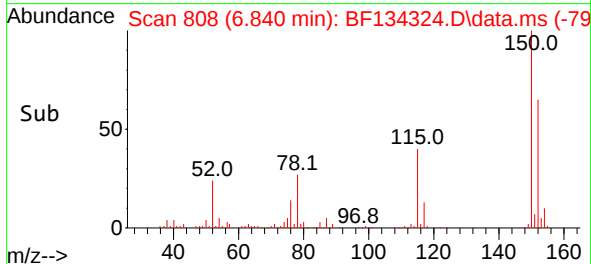
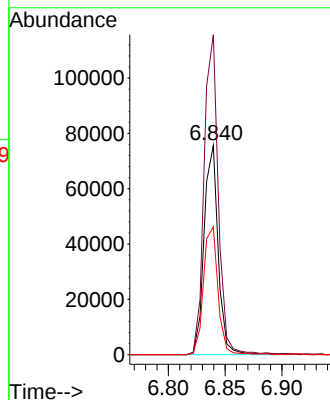
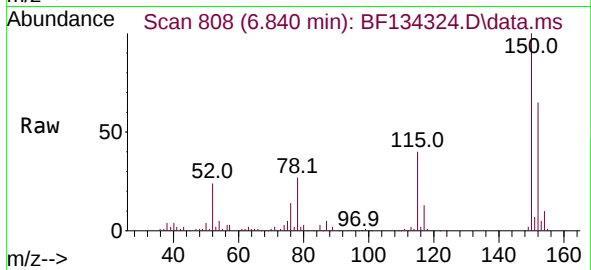




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134324.D
Acq: 17 Jul 2023 19:48

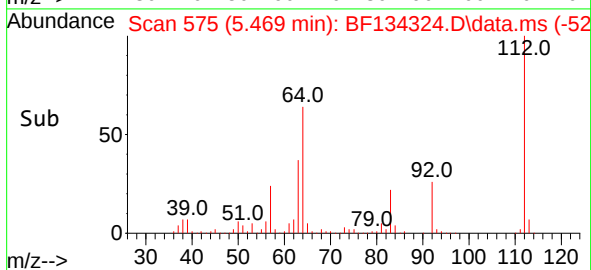
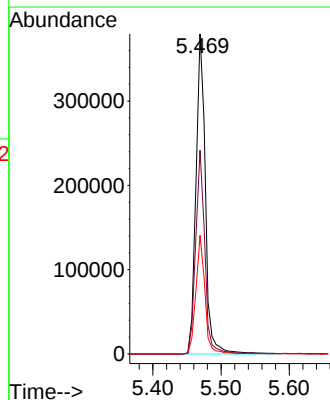
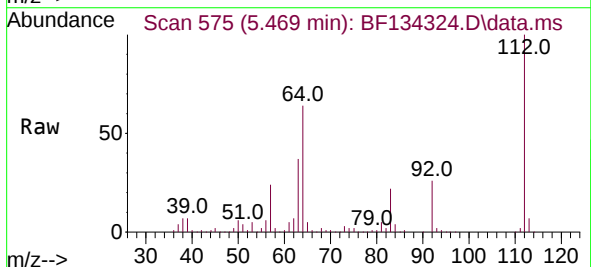
Instrument :
BNA_F
ClientSampleId :
HR-1-071223RE

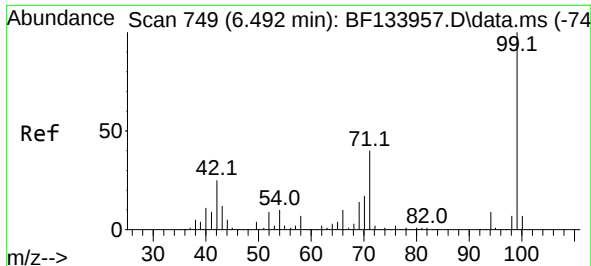
Tgt Ion:152 Resp: 65305
Ion Ratio Lower Upper
152 100
150 152.9 124.5 186.7
115 61.0 50.2 75.2



#5
2-Fluorophenol
Concen: 93.522 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134324.D
Acq: 17 Jul 2023 19:48

Tgt Ion:112 Resp: 365111
Ion Ratio Lower Upper
112 100
64 63.7 52.1 78.1
63 37.1 28.6 42.8





#7

Phenol-d6

Concen: 89.135 ng

RT: 6.475 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF134324.D

Acq: 17 Jul 2023 19:48

Instrument :

BNA_F

ClientSampleId :

HR-1-071223RE

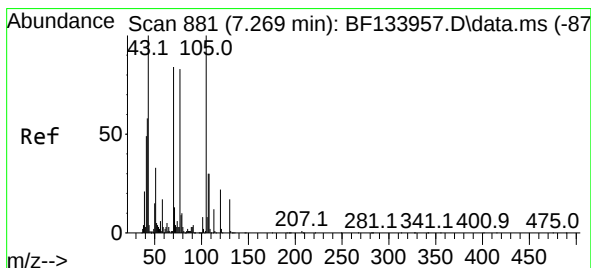
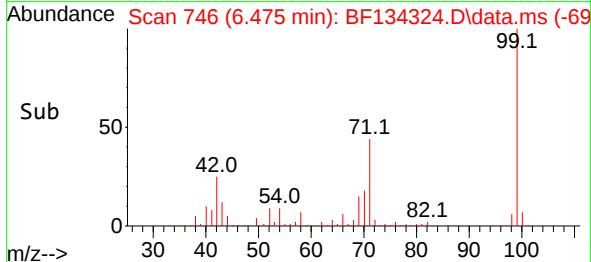
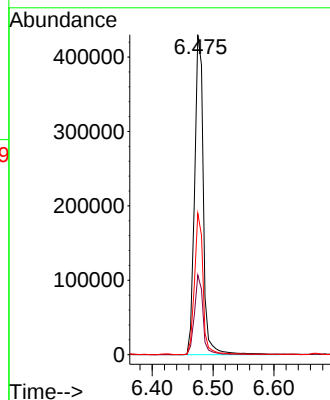
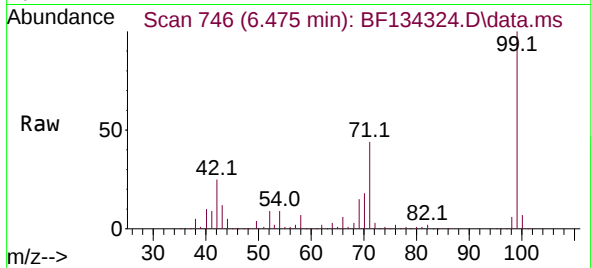
Tgt Ion: 99 Resp: 427952

Ion Ratio Lower Upper

99 100

42 24.9 19.8 29.6

71 44.2 31.9 47.9



#19

n-Nitroso-di-n-propylamine

Concen: 13.135 ng

RT: 7.398 min Scan# 903

Delta R.T. 0.141 min

Lab File: BF134324.D

Acq: 17 Jul 2023 19:48

Tgt Ion: 70 Resp: 39992

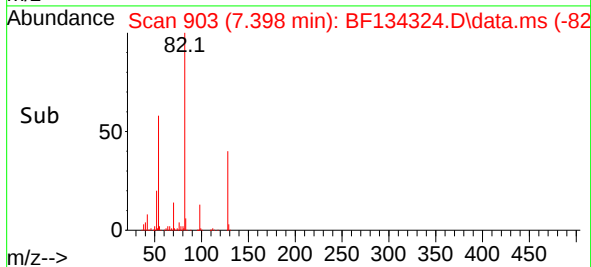
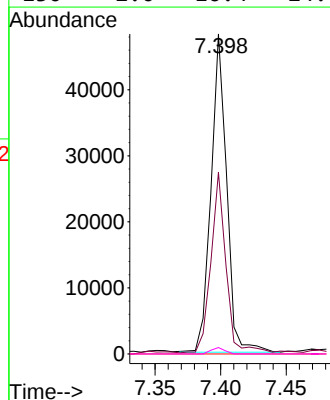
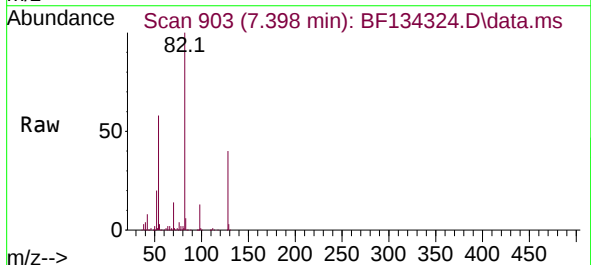
Ion Ratio Lower Upper

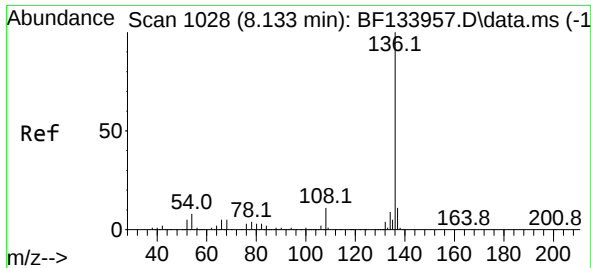
70 100

42 56.8 54.7 82.1

101 0.0 7.7 11.5#

130 2.0 16.4 24.6#

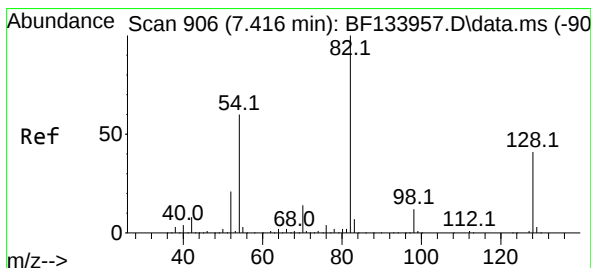
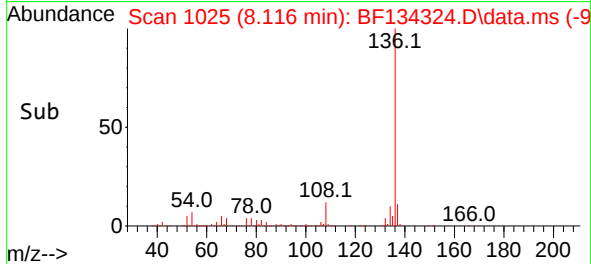
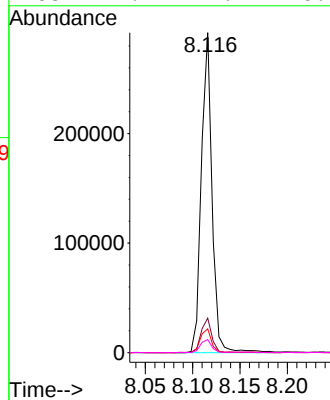
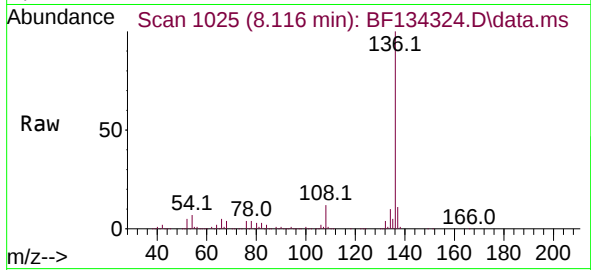




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134324.D
Acq: 17 Jul 2023 19:48

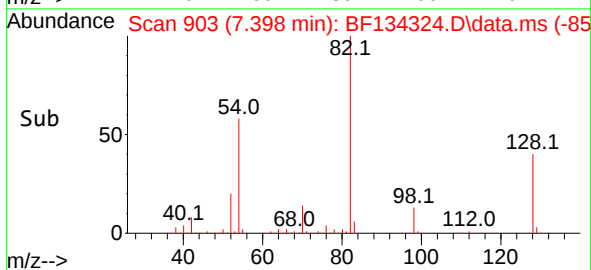
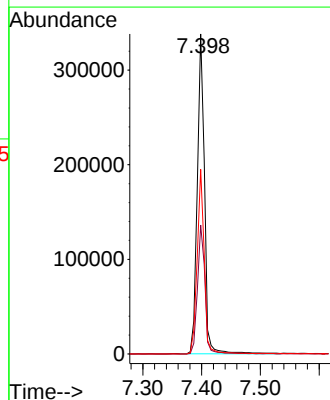
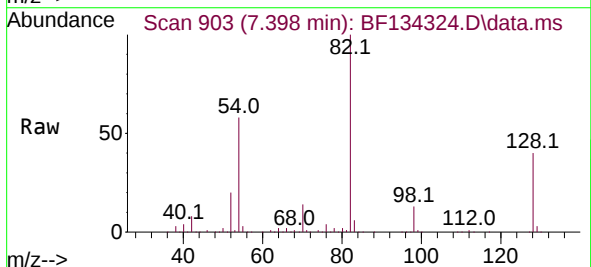
Instrument :
BNA_F
ClientSampleId :
HR-1-071223RE

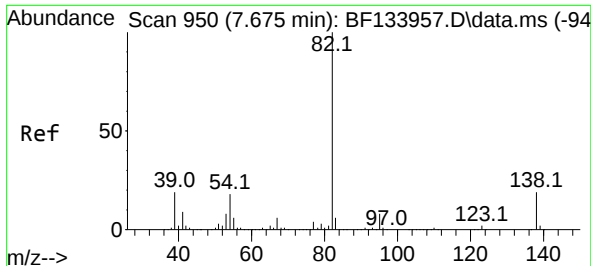
Tgt Ion:136 Resp: 231142
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.4 6.5 9.7
68 4.1 4.2 6.2#



#23
Nitrobenzene-d5
Concen: 67.065 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134324.D
Acq: 17 Jul 2023 19:48

Tgt Ion: 82 Resp: 287569
Ion Ratio Lower Upper
82 100
128 40.3 32.5 48.7
54 57.7 48.2 72.2

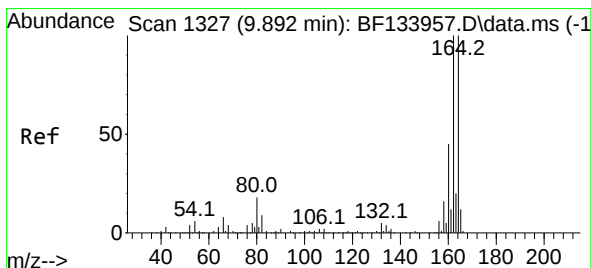
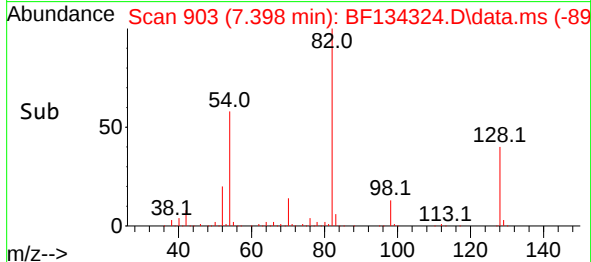
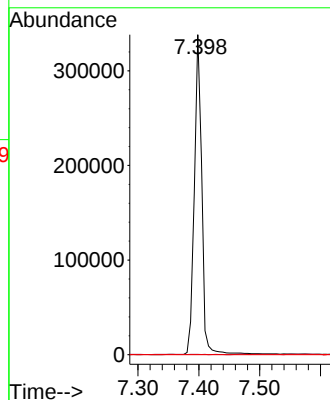
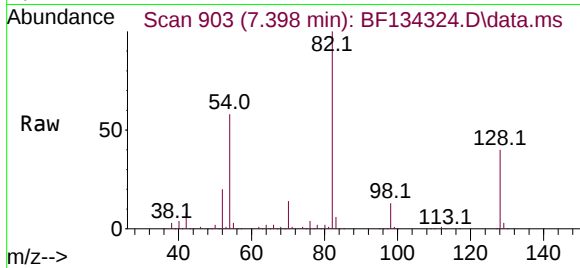




#25
Isophorone
Concen: 36.882 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134324.D
Acq: 17 Jul 2023 19:48

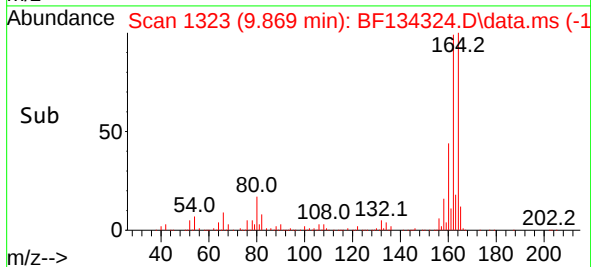
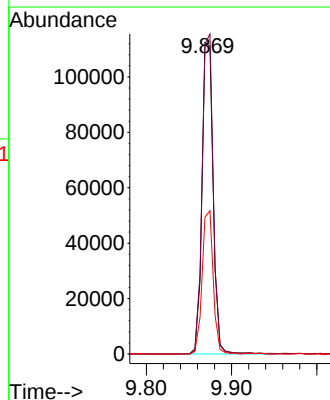
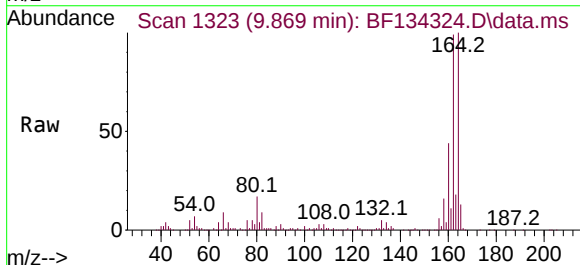
Instrument :
BNA_F
ClientSampleId :
HR-1-071223RE

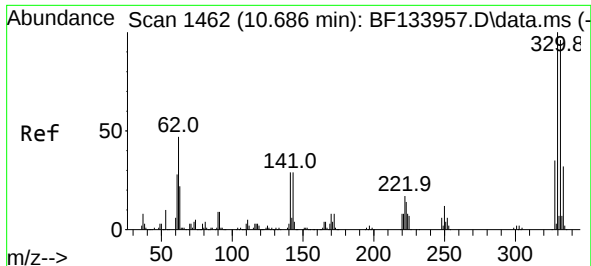
Tgt Ion: 82 Resp: 287423
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF134324.D
Acq: 17 Jul 2023 19:48

Tgt Ion: 164 Resp: 102373
Ion Ratio Lower Upper
164 100
162 99.4 80.0 120.0
160 43.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 92.105 ng

RT: 10.669 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF134324.D

Acq: 17 Jul 2023 19:48

Instrument :

BNA_F

ClientSampleId :

HR-1-071223RE

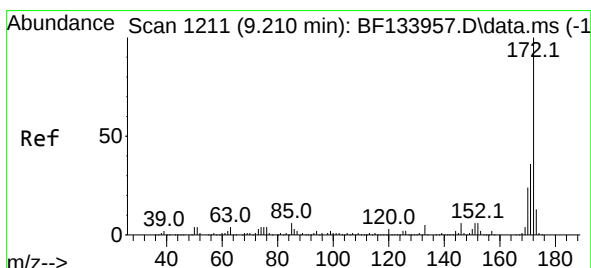
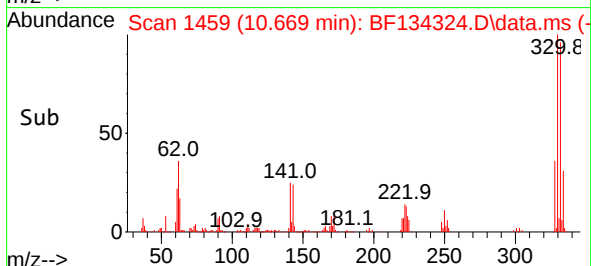
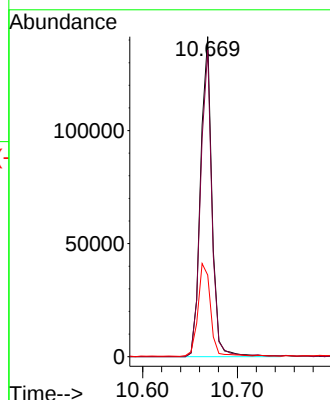
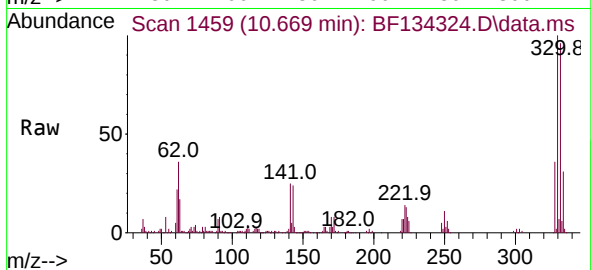
Tgt Ion:330 Resp: 118222

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

141 31.9 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 72.824 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.012 min

Lab File: BF134324.D

Acq: 17 Jul 2023 19:48

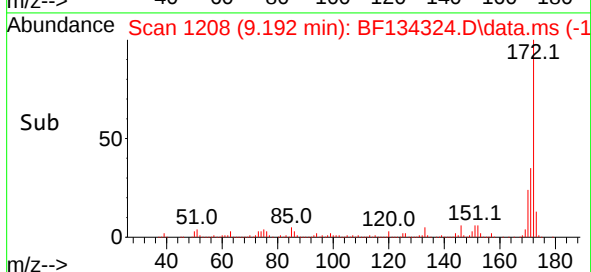
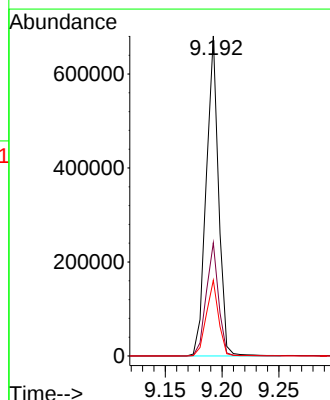
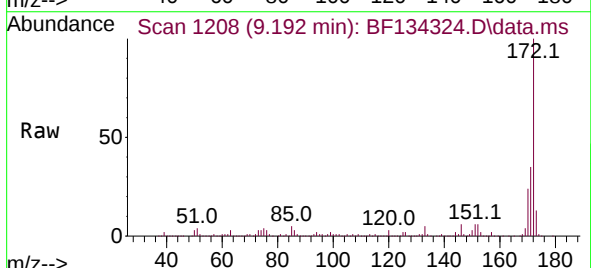
Tgt Ion:172 Resp: 512778

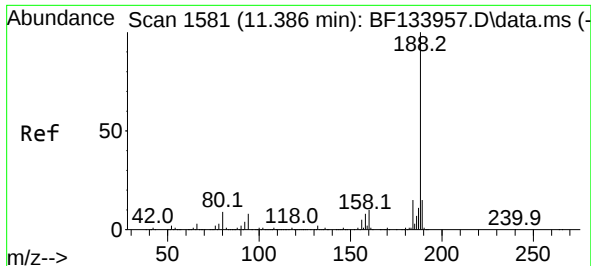
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.7 19.4 29.0

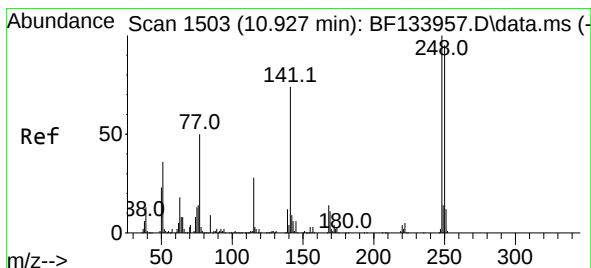
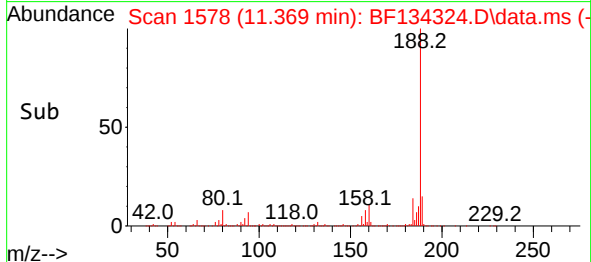
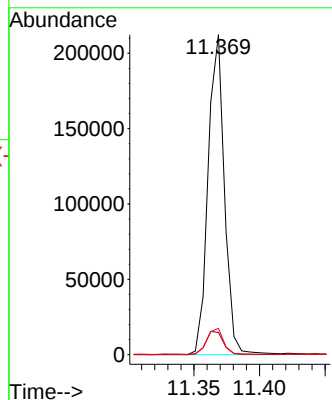
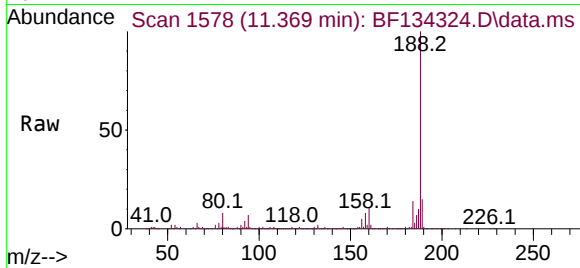




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134324.D
Acq: 17 Jul 2023 19:48

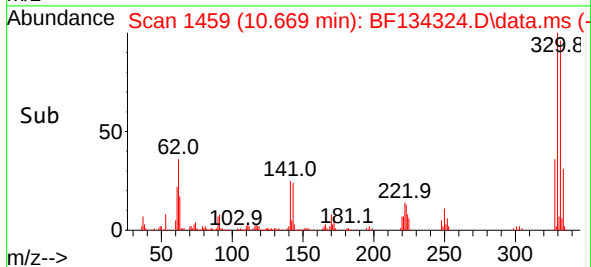
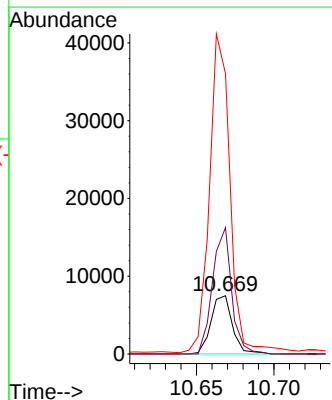
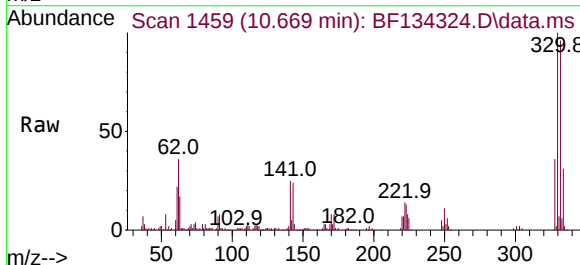
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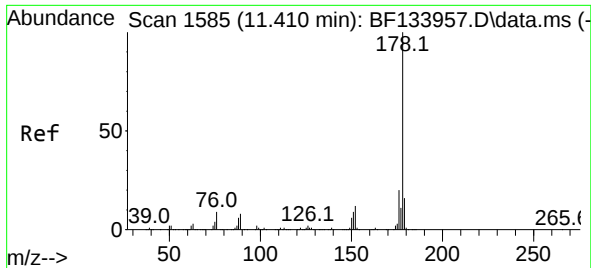
Tgt Ion:188 Resp: 184390
Ion Ratio Lower Upper
188 100
94 7.0 6.4 9.6
80 8.3 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 3.666 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.247 min
Lab File: BF134324.D
Acq: 17 Jul 2023 19:48

Tgt Ion:248 Resp: 7184
Ion Ratio Lower Upper
248 100
250 217.0 76.2 114.4#
141 481.5 59.0 88.4#

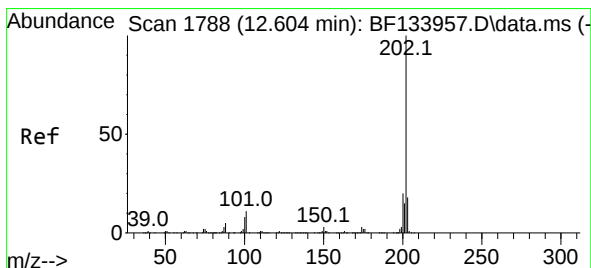
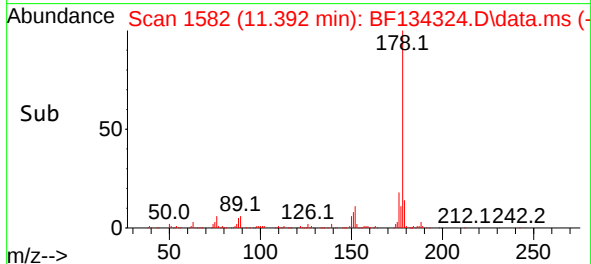
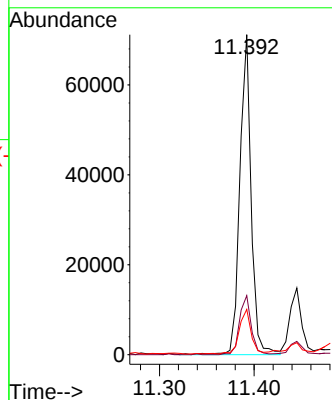
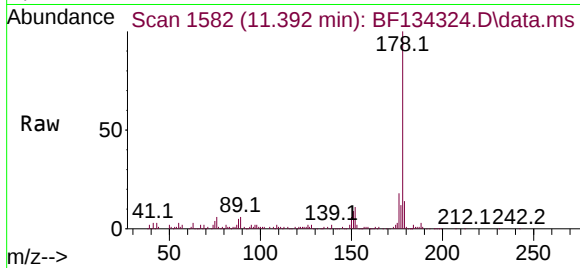




#71
Phenanthrene
Concen: 6.340 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134324.D
Acq: 17 Jul 2023 19:48

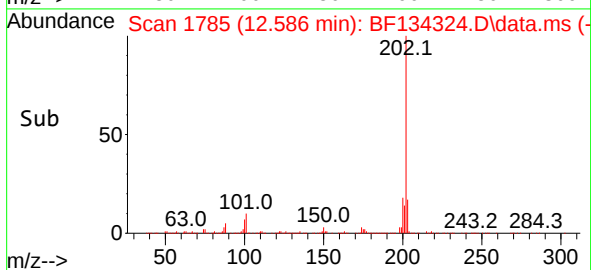
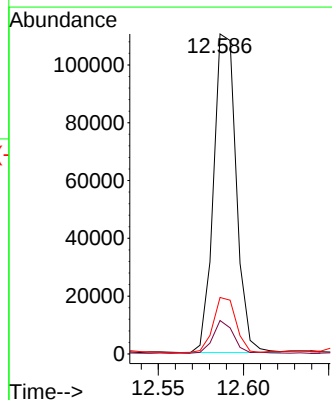
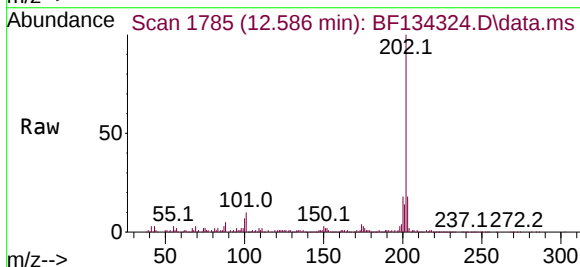
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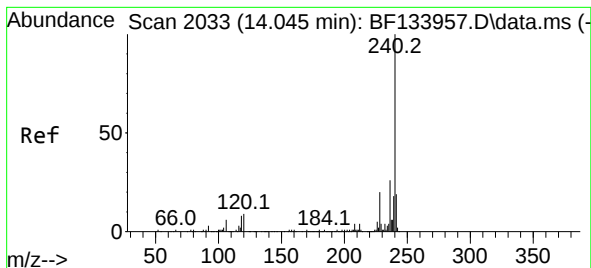
Tgt Ion:178 Resp: 58848
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 14.2 12.4 18.6



#75
Fluoranthene
Concen: 10.168 ng
RT: 12.586 min Scan# 1785
Delta R.T. -0.012 min
Lab File: BF134324.D
Acq: 17 Jul 2023 19:48

Tgt Ion:202 Resp: 102043
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.0
203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF134324.D

Acq: 17 Jul 2023 19:48

Instrument :

BNA_F

ClientSampleId :

HR-1-071223RE

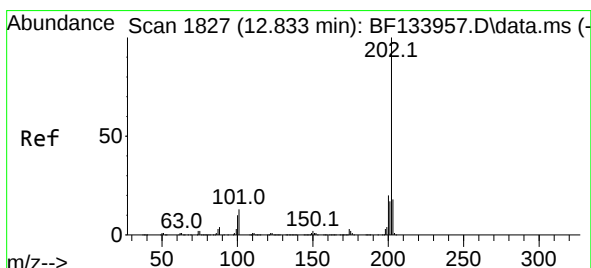
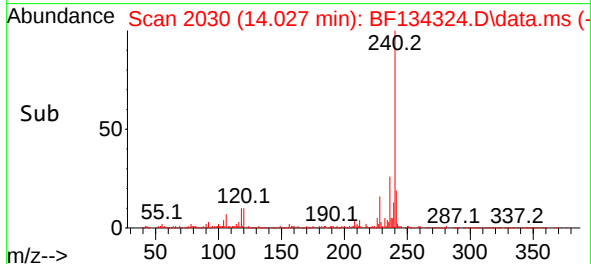
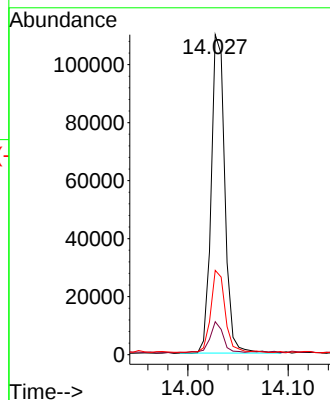
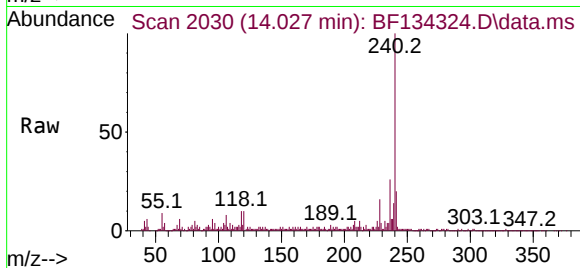
Tgt Ion:240 Resp: 104068

Ion Ratio Lower Upper

240 100

120 10.3 7.4 11.0

236 26.4 21.0 31.6



#78

Pyrene

Concen: 9.266 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134324.D

Acq: 17 Jul 2023 19:48

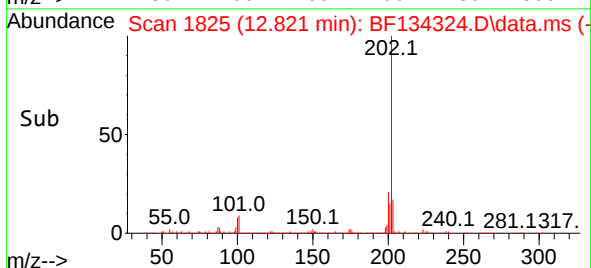
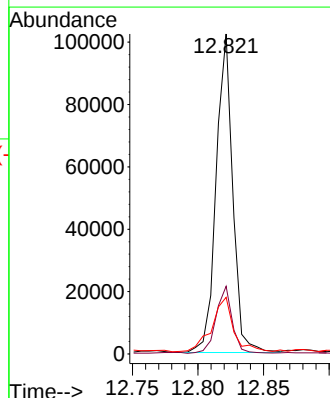
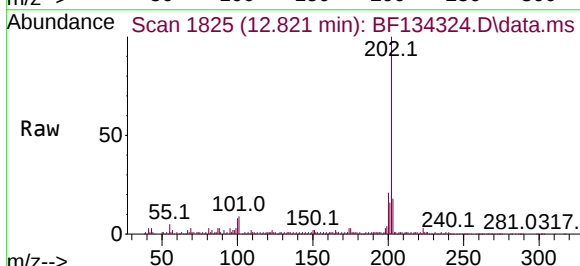
Tgt Ion:202 Resp: 89740

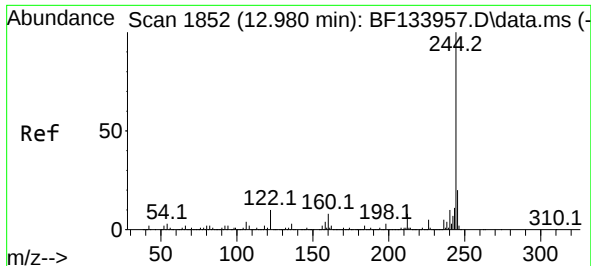
Ion Ratio Lower Upper

202 100

200 21.1 16.1 24.1

203 17.7 14.3 21.5

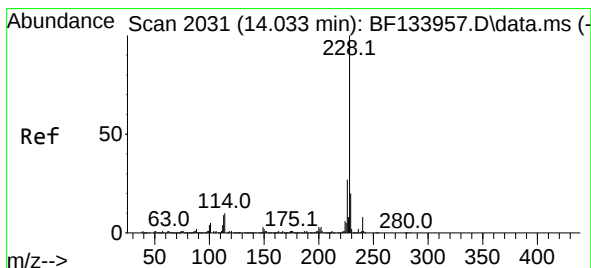
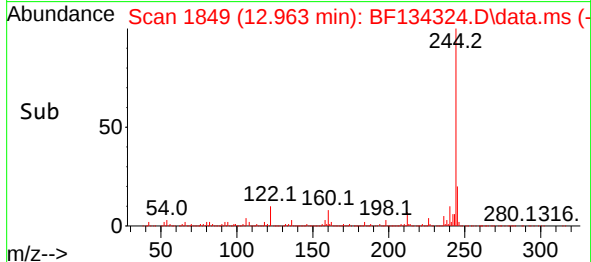
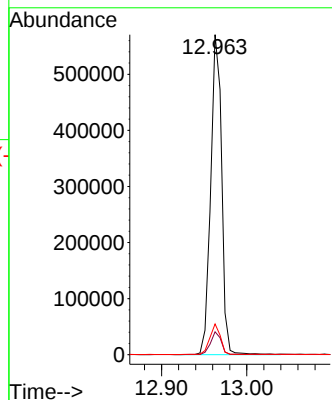
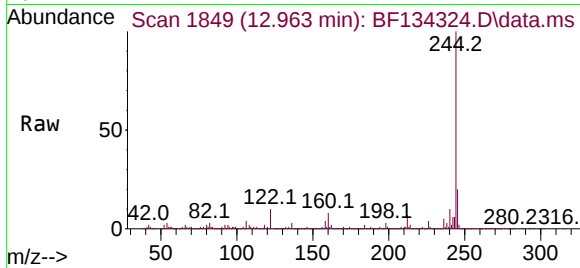




#79
 Terphenyl-d14
 Concen: 78.833 ng
 RT: 12.963 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF134324.D
 Acq: 17 Jul 2023 19:48

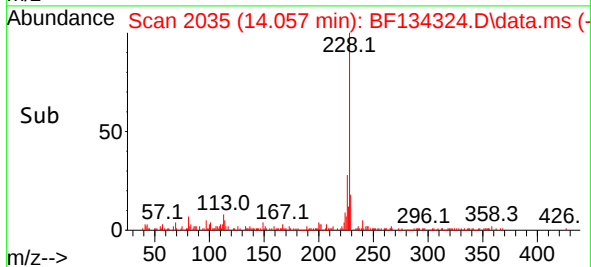
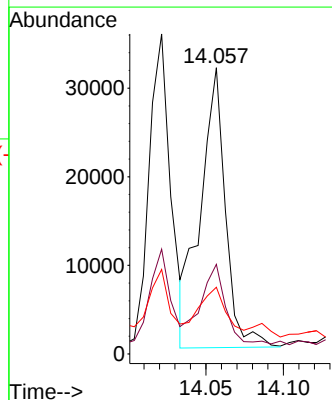
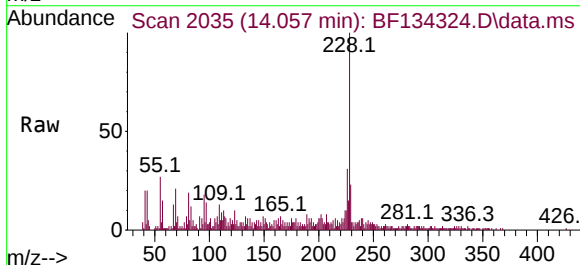
Instrument :
 BNA_F
 ClientSampleId :
 HR-1-071223RE

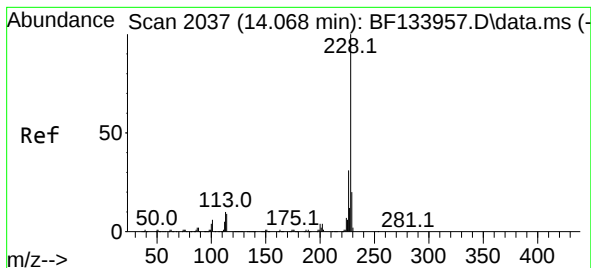
Tgt Ion:244 Resp: 509750
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.6 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 4.946 ng
 RT: 14.057 min Scan# 2035
 Delta R.T. 0.029 min
 Lab File: BF134324.D
 Acq: 17 Jul 2023 19:48

Tgt Ion:228 Resp: 35696
 Ion Ratio Lower Upper
 228 100
 226 31.3 22.0 33.0
 229 23.3 16.3 24.5





#83

Chrysene

Concen: 5.106 ng

RT: 14.057 min Scan# 2037

Delta R.T. -0.012 min

Lab File: BF134324.D

Acq: 17 Jul 2023 19:48

Instrument :

BNA_F

ClientSampleId :

HR-1-071223RE

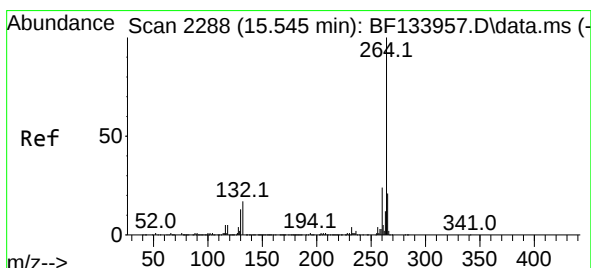
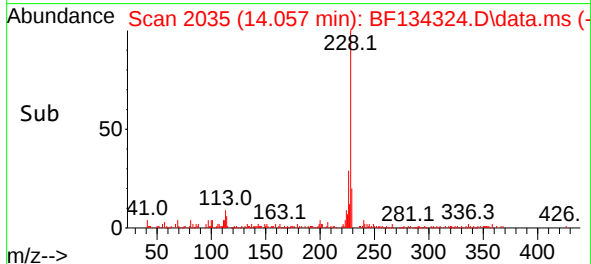
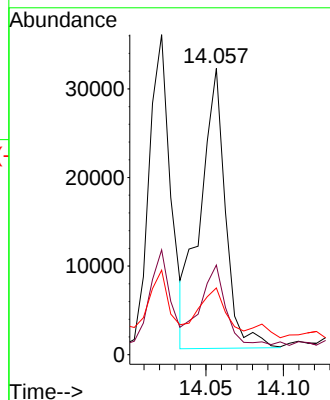
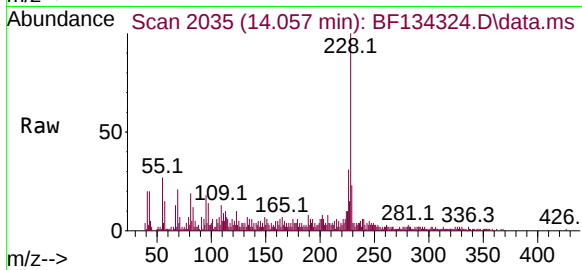
Tgt Ion:228 Resp: 35696

Ion Ratio Lower Upper

228 100

226 31.3 24.4 36.6

229 23.3 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2287

Delta R.T. -0.006 min

Lab File: BF134324.D

Acq: 17 Jul 2023 19:48

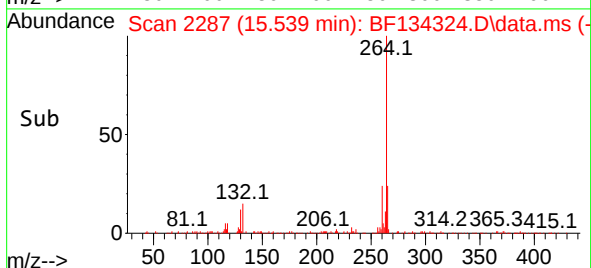
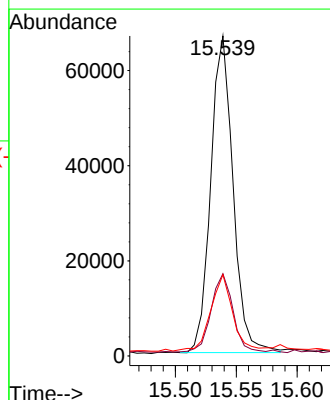
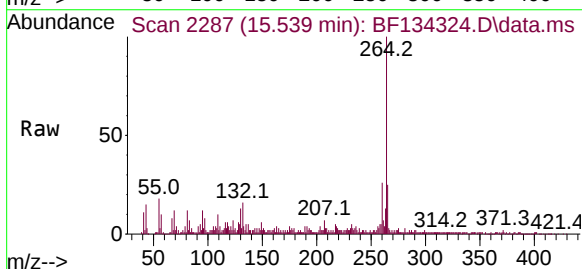
Tgt Ion:264 Resp: 84950

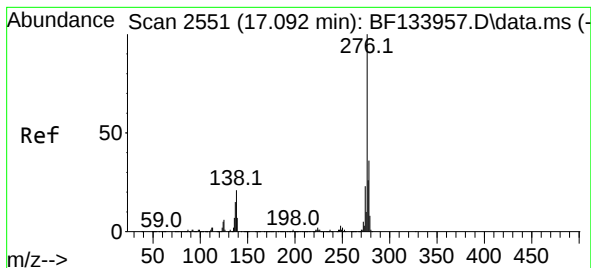
Ion Ratio Lower Upper

264 100

260 25.7 19.5 29.3

265 25.4 16.6 25.0#





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.292 ng

RT: 17.086 min Scan# 2111

Delta R.T. -0.012 min

Lab File: BF134324.D

Acq: 17 Jul 2023 19:48

Instrument :

BNA_F

ClientSampleId :

HR-1-071223RE

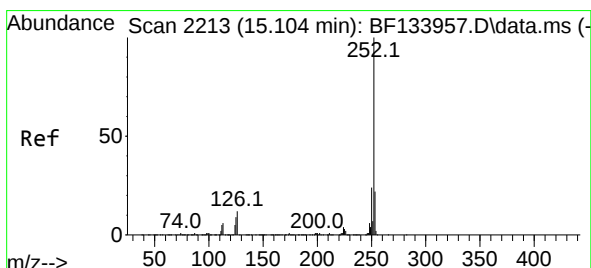
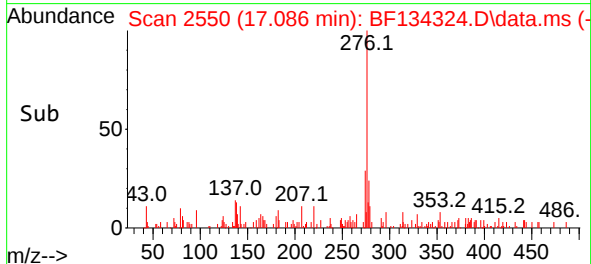
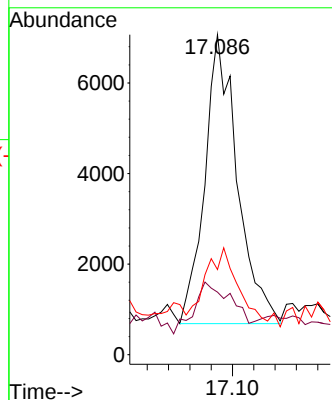
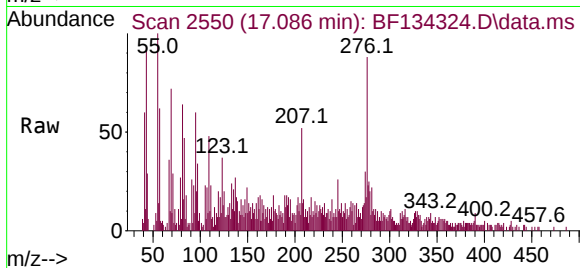
Tgt Ion:276 Resp: 13509

Ion Ratio Lower Upper

276 100

138 21.7 18.7 28.1

277 25.4 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 9.166 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF134324.D

Acq: 17 Jul 2023 19:48

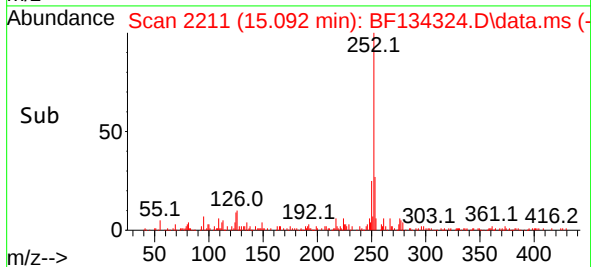
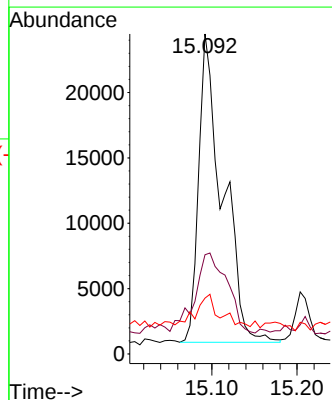
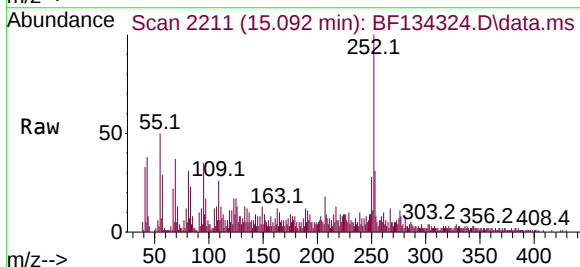
Tgt Ion:252 Resp: 45786

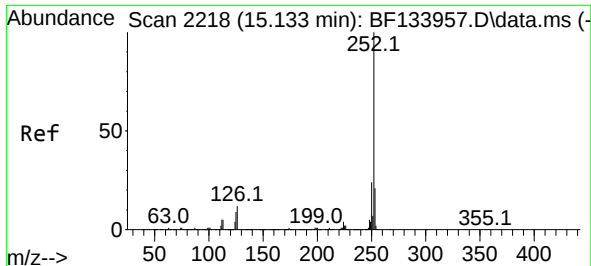
Ion Ratio Lower Upper

252 100

253 31.0 17.4 26.0#

125 17.4 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 9.003 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF134324.D

Acq: 17 Jul 2023 19:48

Instrument :

BNA_F

ClientSampleId :

HR-1-071223RE

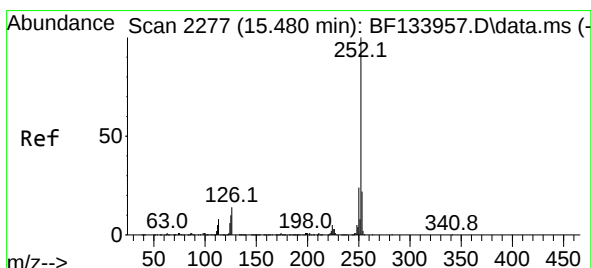
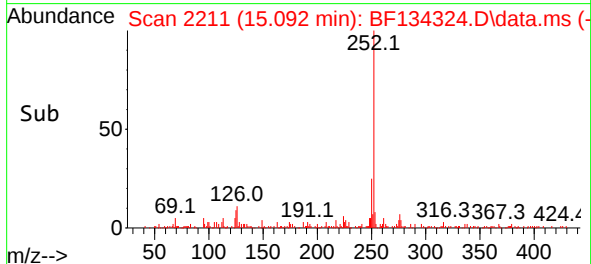
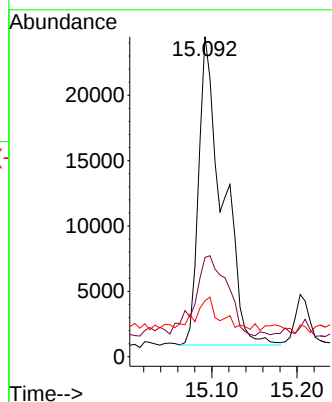
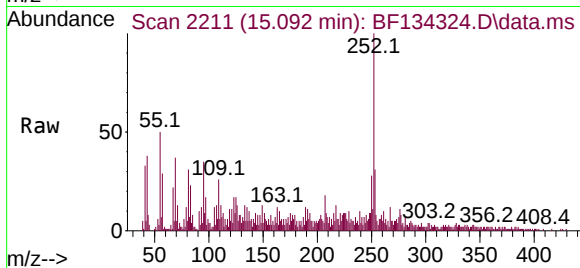
Tgt Ion:252 Resp: 45786

Ion Ratio Lower Upper

252 100

253 31.0 16.9 25.3#

125 17.4 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 5.002 ng

RT: 15.474 min Scan# 2276

Delta R.T. -0.006 min

Lab File: BF134324.D

Acq: 17 Jul 2023 19:48

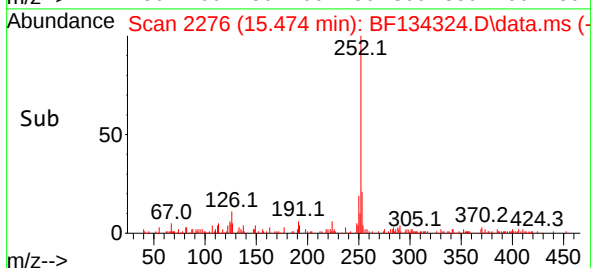
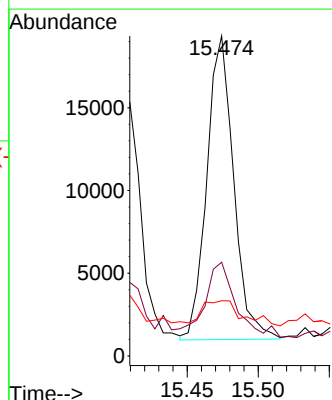
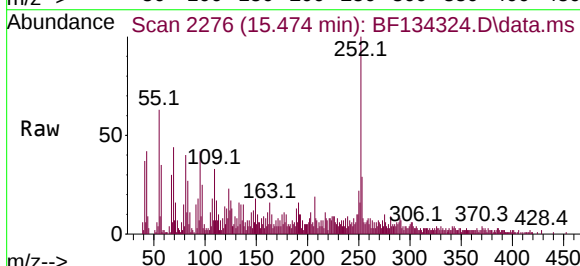
Tgt Ion:252 Resp: 24162

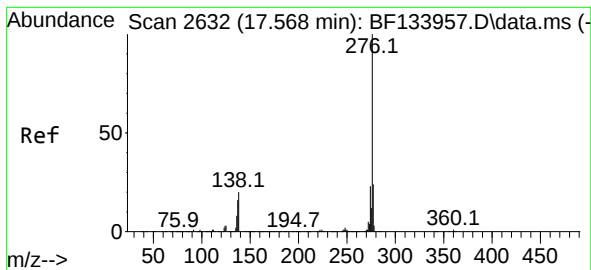
Ion Ratio Lower Upper

252 100

253 29.3 17.4 26.0#

125 17.2 8.4 12.6#





#92

Benzo(g,h,i)perylene

Concen: 3.147 ng

RT: 17.562 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134324.D

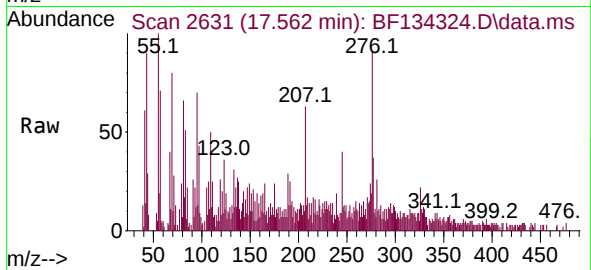
Acq: 17 Jul 2023 19:48

Instrument :

BNA_F

ClientSampleId :

HR-1-071223RE



Tgt Ion:276 Resp: 15626

Ion Ratio Lower Upper

276 100

277 40.3 19.0 28.6#

138 27.4 16.2 24.2#

