

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072423\
 Data File : BF134457.D
 Acq On : 25 Jul 2023 06:19
 Operator : CG\JU
 Sample : 03659-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-3-071823

Quant Time: Jul 25 06:45:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

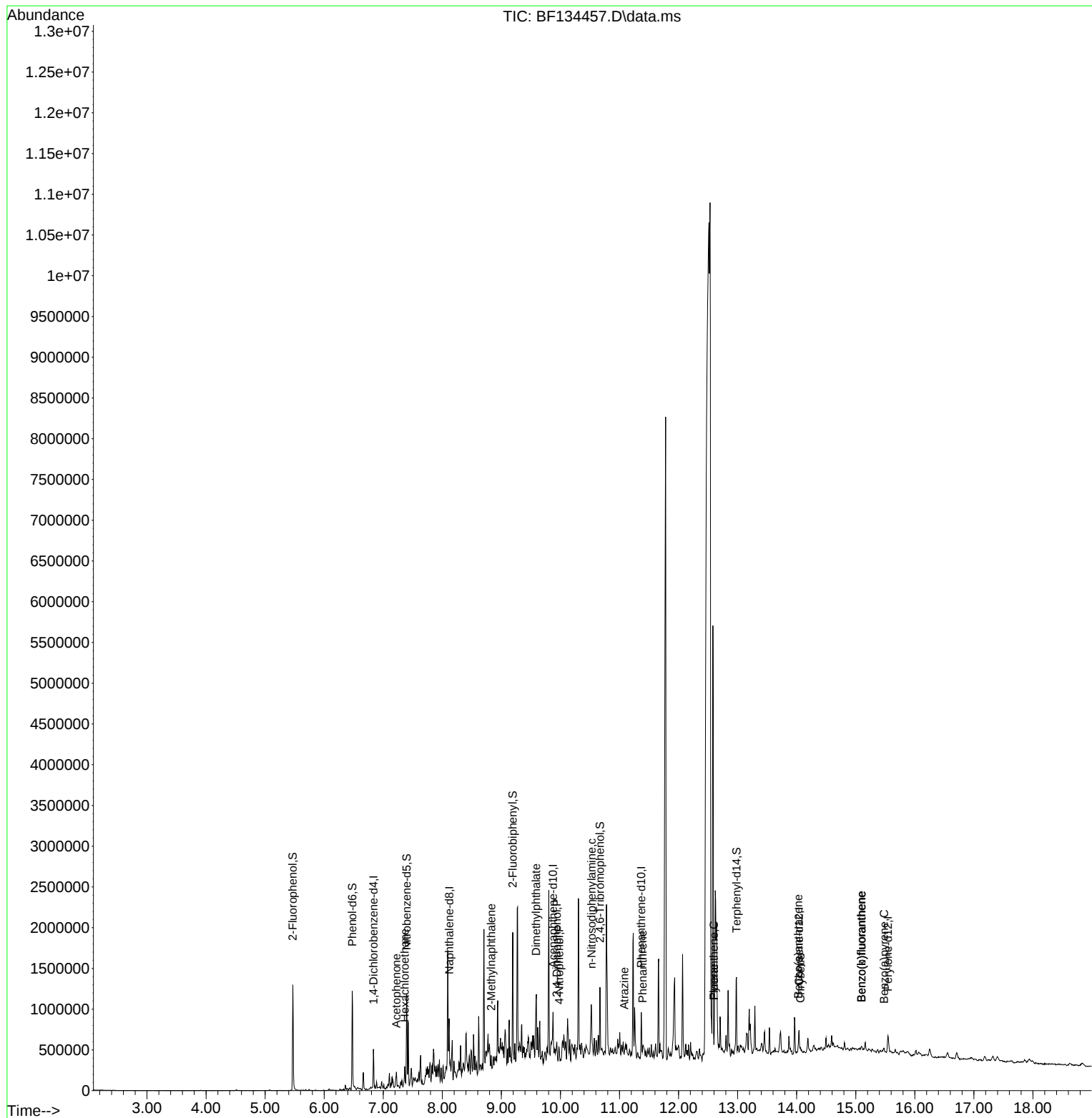
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

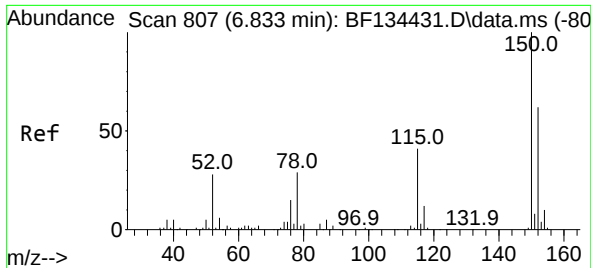
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	61722	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	245290	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	90565	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	168403	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	97212	20.000	ng	0.00
86) Perylene-d12	15.545	264	84955	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	329044	88.079	ng	0.00
7) Phenol-d6	6.475	99	376843	82.333	ng	0.00
23) Nitrobenzene-d5	7.398	82	285145	58.815	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	102932	79.993	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	413524	59.943	ng	0.00
79) Terphenyl-d14	12.980	244	321222	57.683	ng	0.02
Target Compounds						
						Qvalue
18) Hexachloroethane	7.363	117	9681	6.017	ng	# 1
22) Acetophenone	7.222	105	25772	4.225	ng	# 52
37) 2-Methylnaphthalene	8.828	142	18630	2.196	ng	97
50) Dimethylphthalate	9.586	163	46265	6.891	ng	# 95
54) 2,4-Dinitrophenol	9.939	184	79	6.663	ng	# 1

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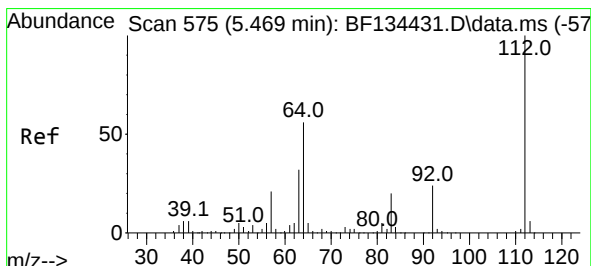
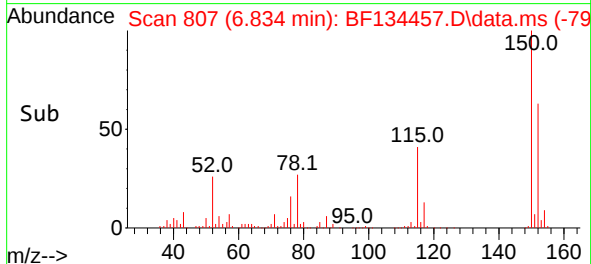
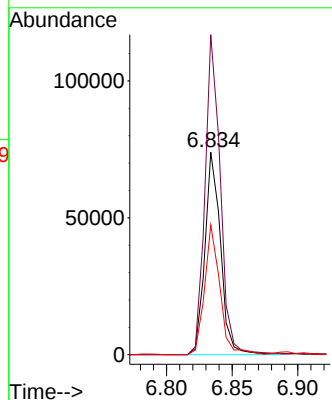
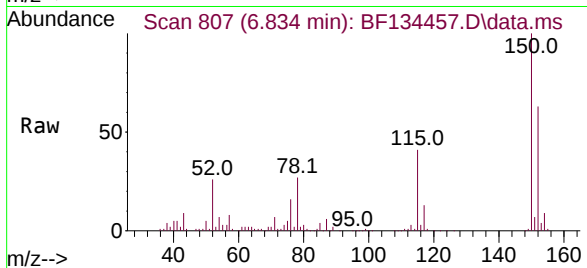




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.834 min Scan# 807
 Delta R.T. 0.001 min
 Lab File: BF134457.D
 Acq: 25 Jul 2023 06:19

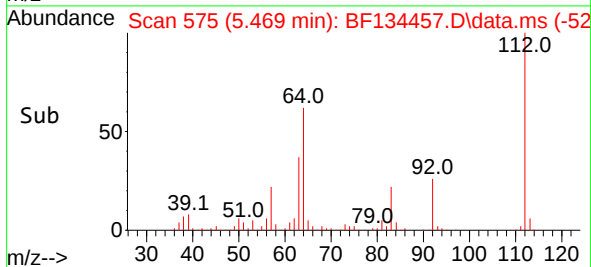
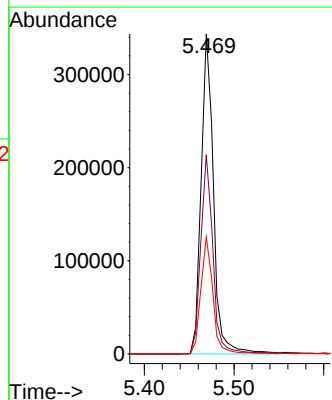
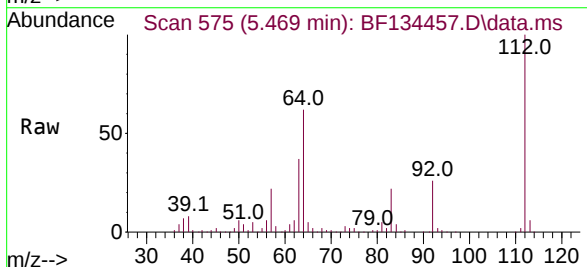
Instrument :
 BNA_F
 ClientSampleId :
 HR-3-071823

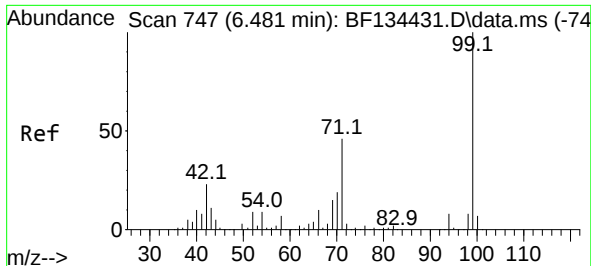
Tgt Ion:152 Resp: 61722
 Ion Ratio Lower Upper
 152 100
 150 157.9 128.3 192.5
 115 64.0 52.4 78.6



#5
 2-Fluorophenol
 Concen: 88.079 ng
 RT: 5.469 min Scan# 575
 Delta R.T. 0.000 min
 Lab File: BF134457.D
 Acq: 25 Jul 2023 06:19

Tgt Ion:112 Resp: 329044
 Ion Ratio Lower Upper
 112 100
 64 62.3 44.9 67.3
 63 36.6 25.4 38.0

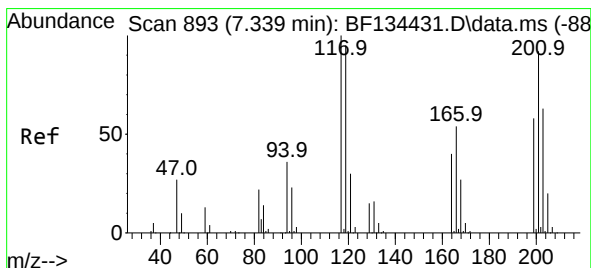
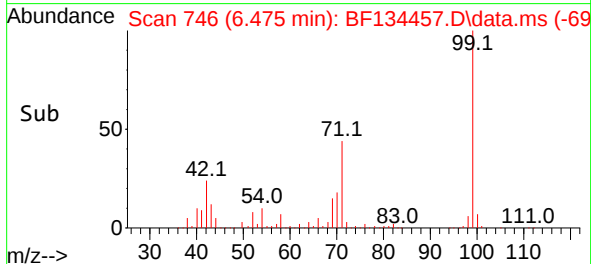
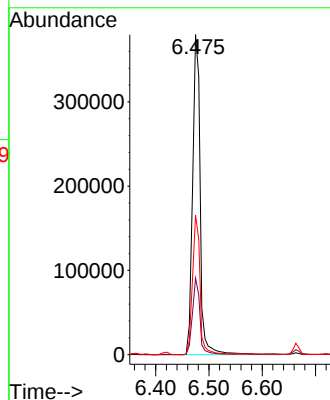
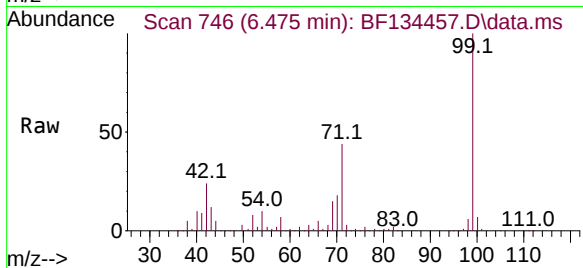




#7
Phenol-d6
Concen: 82.333 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134457.D
Acq: 25 Jul 2023 06:19

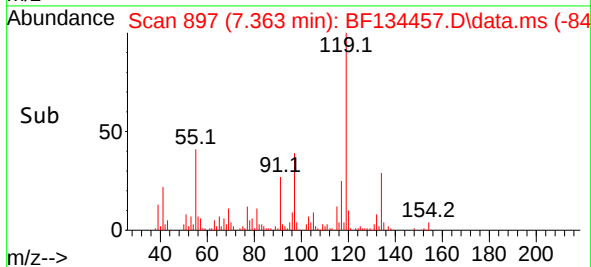
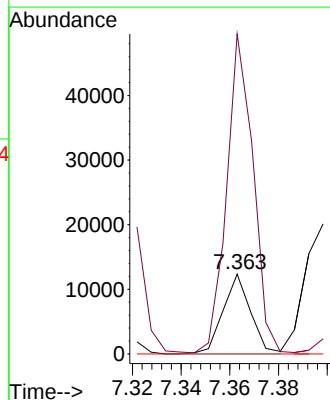
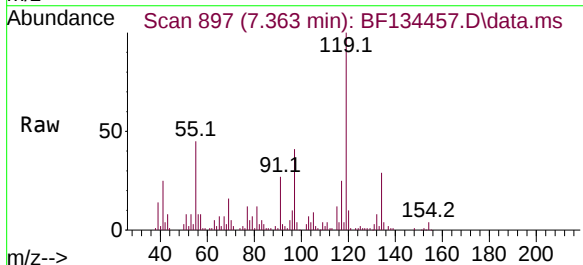
Instrument :
BNA_F
ClientSampleId :
HR-3-071823

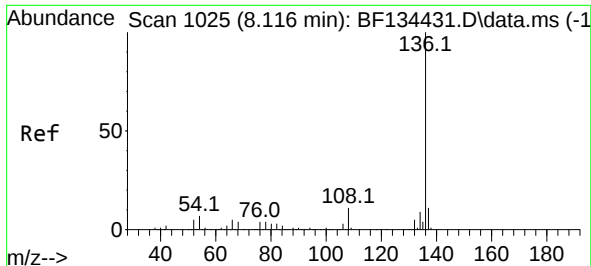
Tgt Ion: 99 Resp: 376843
Ion Ratio Lower Upper
99 100
42 24.0 18.7 28.1
71 43.6 36.4 54.6



#18
Hexachloroethane
Concen: 6.017 ng
RT: 7.363 min Scan# 897
Delta R.T. 0.024 min
Lab File: BF134457.D
Acq: 25 Jul 2023 06:19

Tgt Ion: 117 Resp: 9681
Ion Ratio Lower Upper
117 100
119 401.0 75.8 113.8#
201 0.0 73.6 110.4#

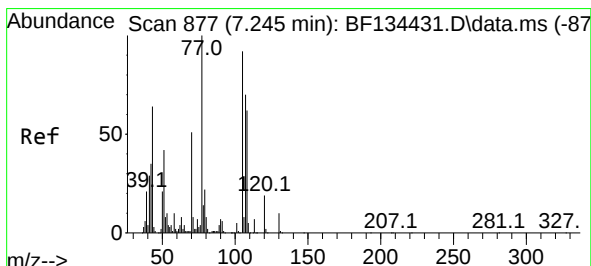
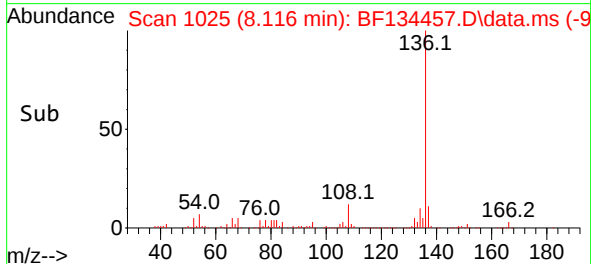
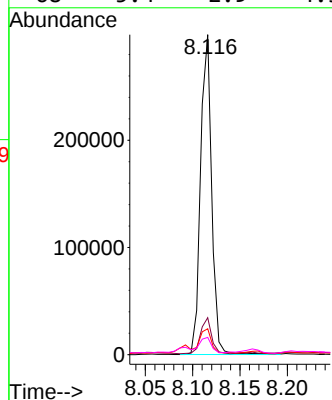
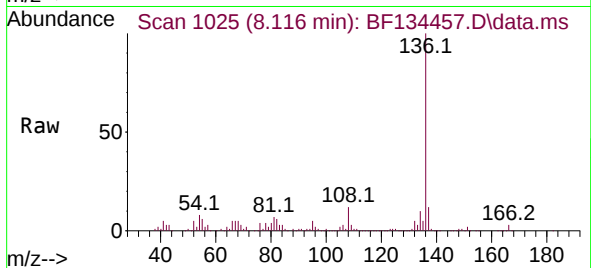




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. 0.000 min
Lab File: BF134457.D
Acq: 25 Jul 2023 06:19

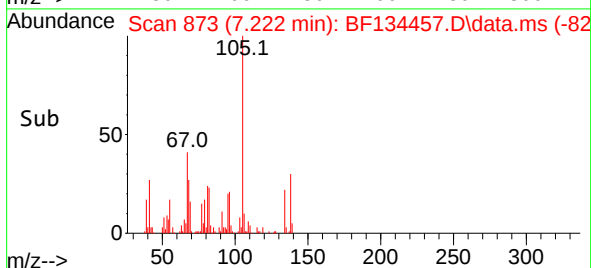
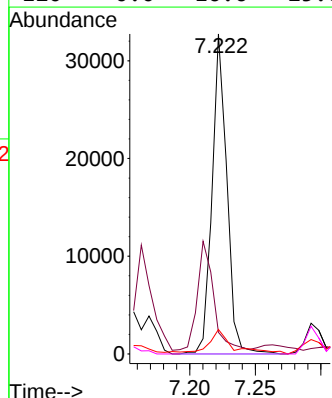
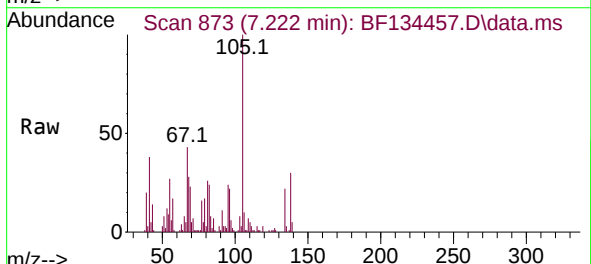
Instrument :
BNA_F
ClientSampleId :
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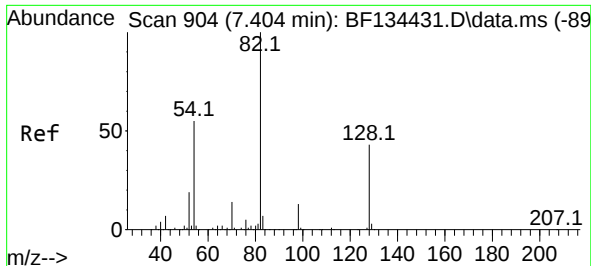
Tgt Ion:136 Resp: 245290
Ion Ratio Lower Upper
136 100
137 11.5 8.4 12.6
54 8.1 5.2 7.8#
68 5.4 2.9 4.3#



#22
Acetophenone
Concen: 4.225 ng
RT: 7.222 min Scan# 873
Delta R.T. -0.023 min
Lab File: BF134457.D
Acq: 25 Jul 2023 06:19

Tgt Ion:105 Resp: 25772
Ion Ratio Lower Upper
105 100
71 6.7 7.4 11.0#
51 7.7 36.4 54.6#
120 0.0 16.6 25.0#

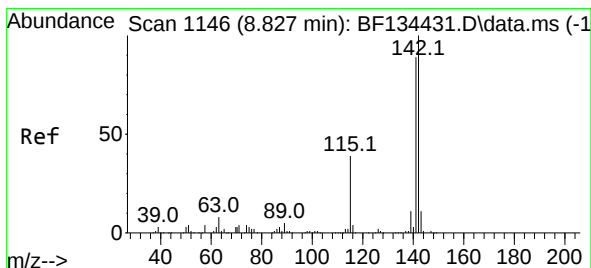
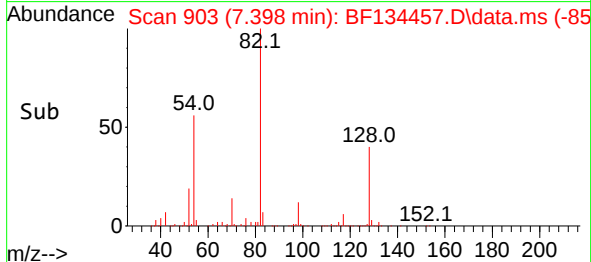
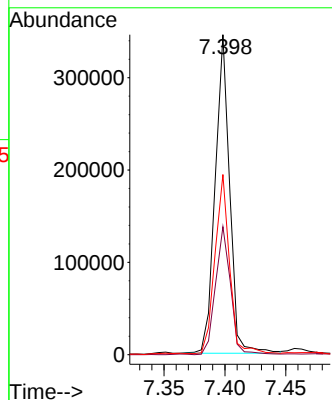
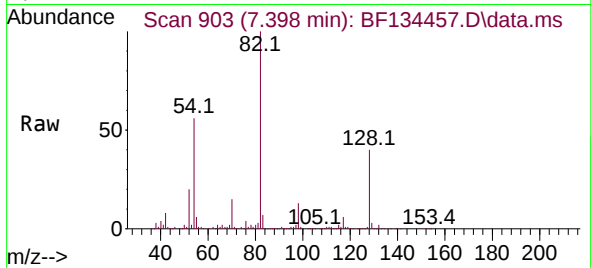




#23
Nitrobenzene-d5
Concen: 58.815 ng
RT: 7.398 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134457.D
Acq: 25 Jul 2023 06:19

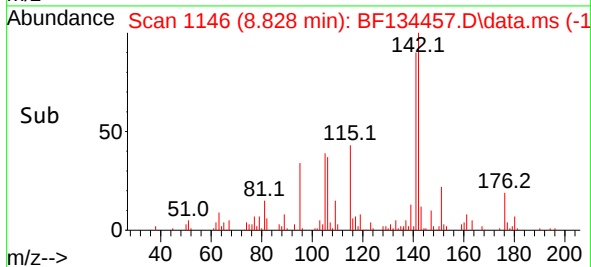
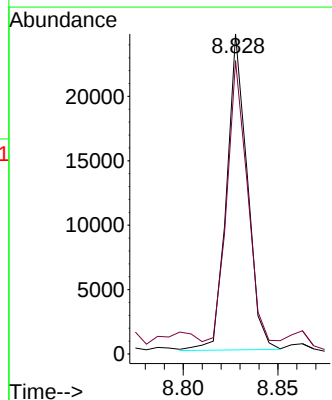
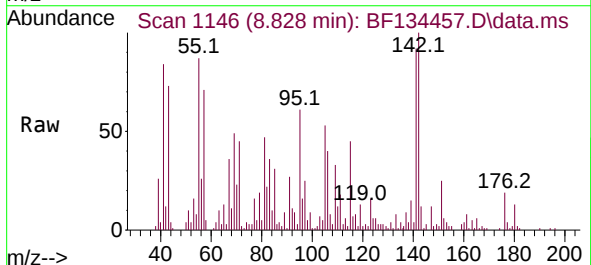
Instrument :
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ClientSampleId :
HR-3-071823

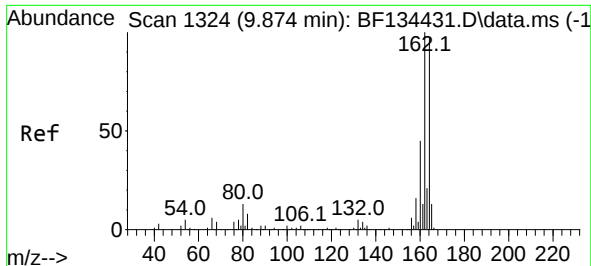
Tgt Ion: 82 Resp: 285145
Ion Ratio Lower Upper
82 100
128 40.0 34.3 51.5
54 56.3 43.8 65.6



#37
2-Methylnaphthalene
Concen: 2.196 ng
RT: 8.828 min Scan# 1146
Delta R.T. 0.000 min
Lab File: BF134457.D
Acq: 25 Jul 2023 06:19

Tgt Ion: 142 Resp: 18630
Ion Ratio Lower Upper
142 100
141 91.6 70.8 106.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

Instrument :

BNA_F

ClientSampleId :

HR-3-071823

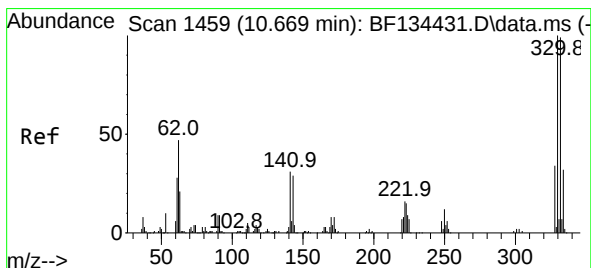
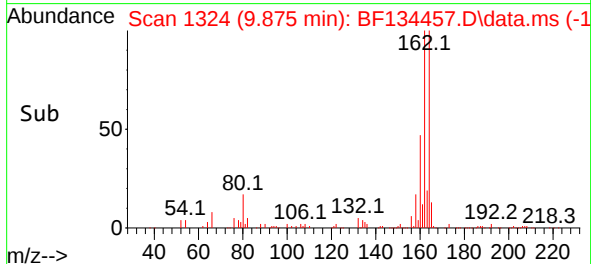
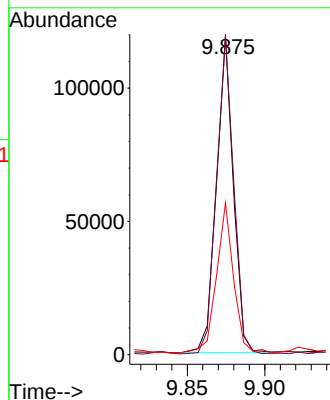
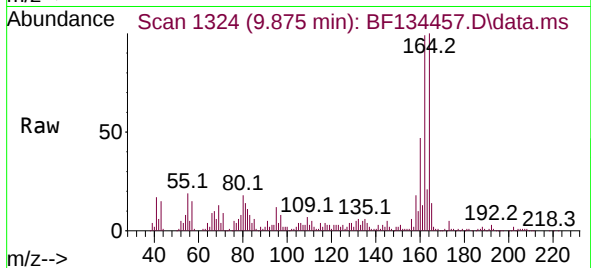
Tgt Ion:164 Resp: 90565

Ion Ratio Lower Upper

164 100

162 99.4 82.6 123.8

160 47.5 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 79.993 ng

RT: 10.669 min Scan# 1459

Delta R.T. 0.000 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

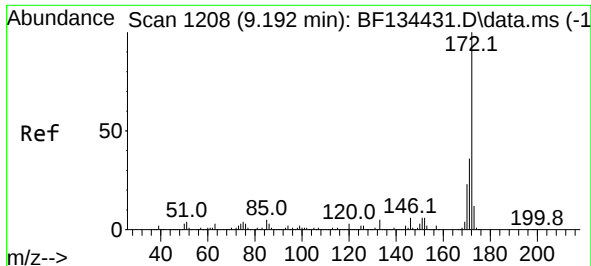
Tgt Ion:330 Resp: 102932

Ion Ratio Lower Upper

330 100

332 96.4 78.8 118.2

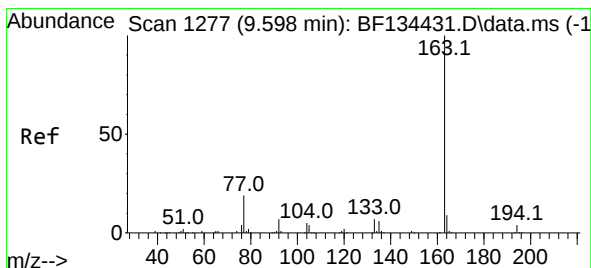
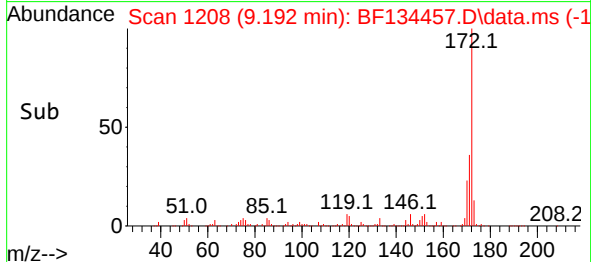
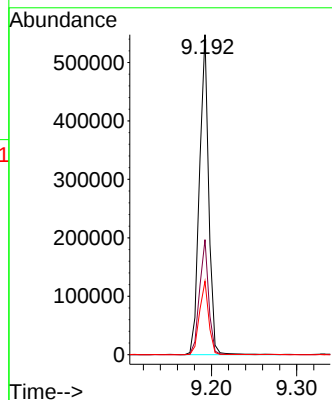
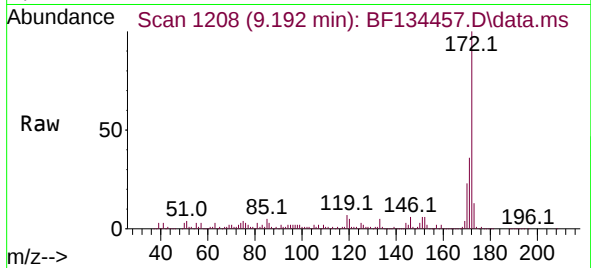
141 30.3 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 59.943 ng
RT: 9.192 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134457.D
Acq: 25 Jul 2023 06:19

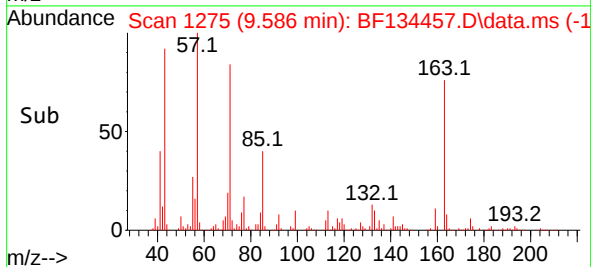
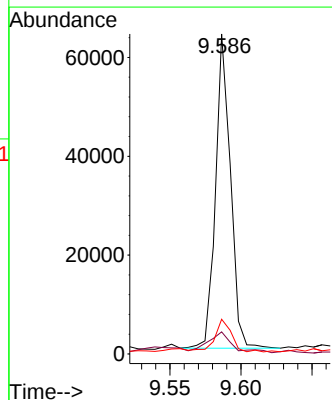
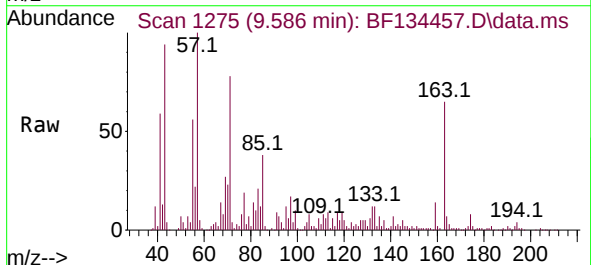
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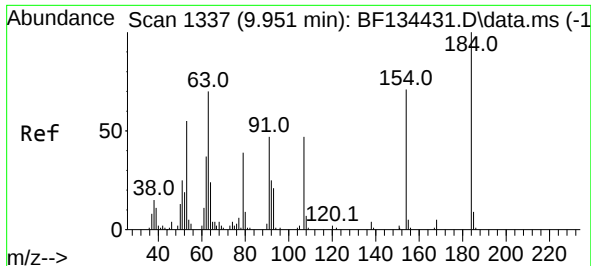
Tgt Ion:172 Resp: 413524
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 23.0 18.7 28.1



#50
Dimethylphthalate
Concen: 6.891 ng
RT: 9.586 min Scan# 1275
Delta R.T. -0.012 min
Lab File: BF134457.D
Acq: 25 Jul 2023 06:19

Tgt Ion:163 Resp: 46265
Ion Ratio Lower Upper
163 100
194 6.9 3.3 4.9#
164 10.9 7.5 11.3

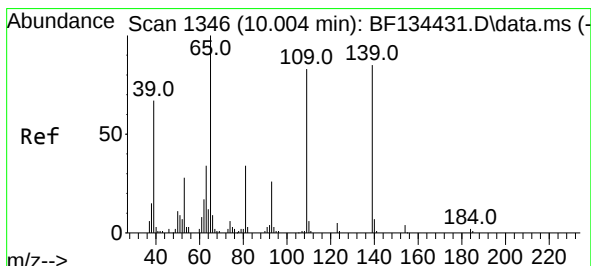
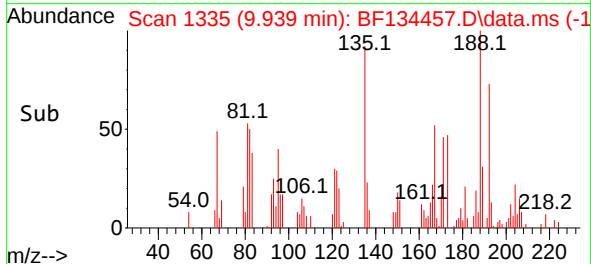
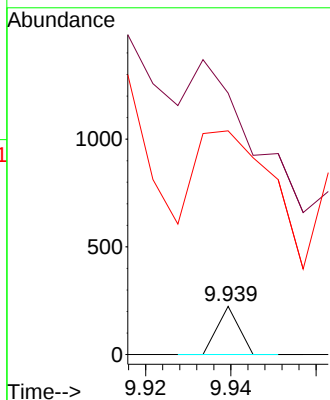
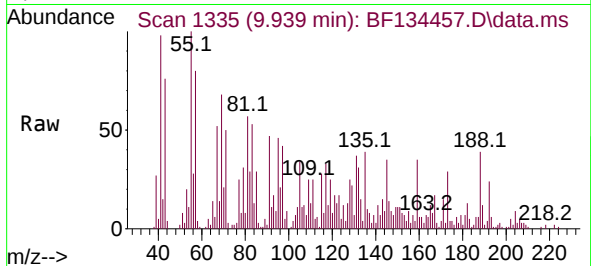




#54
2,4-Dinitrophenol
Concen: 6.663 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134457.D
Acq: 25 Jul 2023 06:19

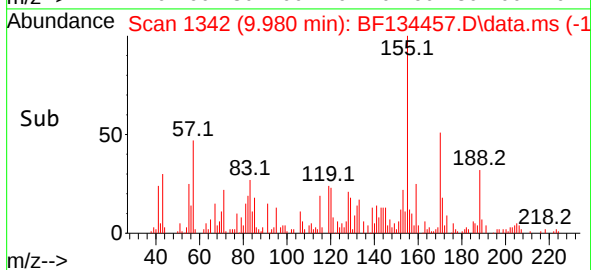
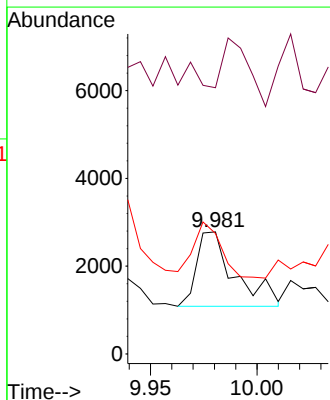
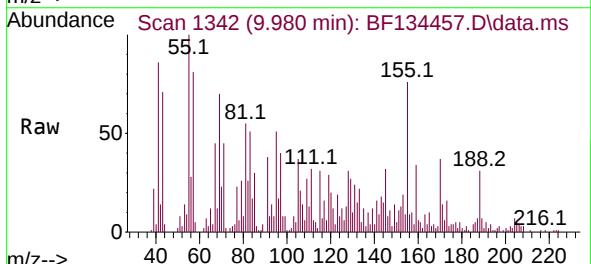
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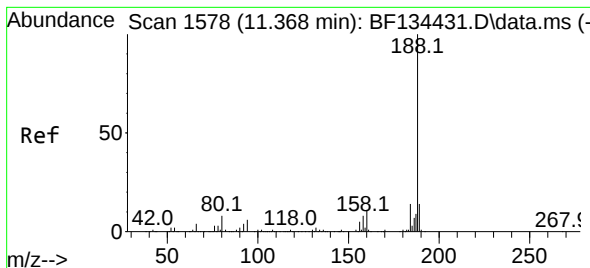
Tgt Ion:184 Resp: 79
Ion Ratio Lower Upper
184 100
63 542.0 57.1 85.7#
154 463.8 59.1 88.7#



#56
4-Nitrophenol
Concen: 2.329 ng
RT: 9.980 min Scan# 1342
Delta R.T. -0.024 min
Lab File: BF134457.D
Acq: 25 Jul 2023 06:19

Tgt Ion:139 Resp: 2098
Ion Ratio Lower Upper
139 100
109 218.1 76.9 116.9#
65 98.6 98.5 138.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

Instrument :

BNA_F

ClientSampleId :

HR-3-071823

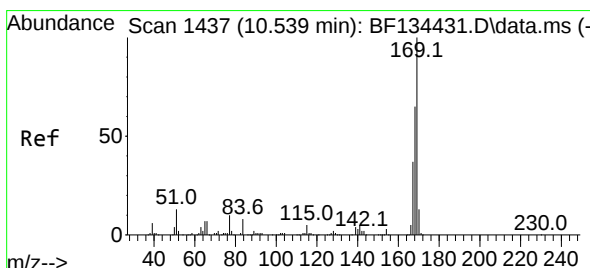
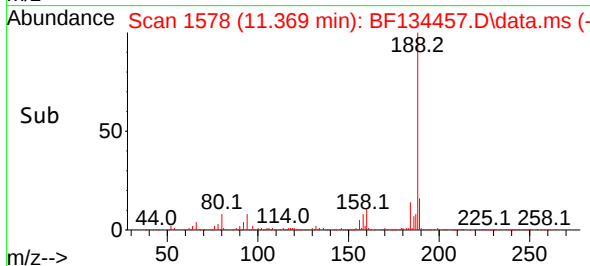
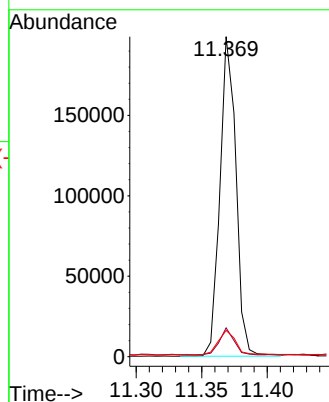
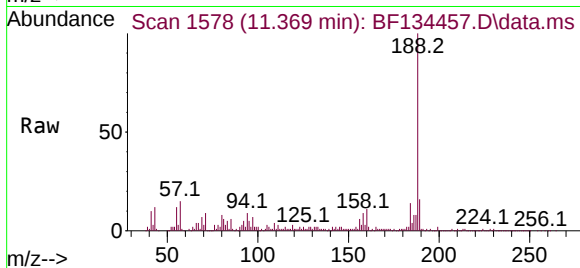
Tgt Ion:188 Resp: 168403

Ion Ratio Lower Upper

188 100

94 9.0 5.1 7.7#

80 8.2 6.6 9.8



#66

n-Nitrosodiphenylamine

Concen: 2.985 ng

RT: 10.528 min Scan# 1435

Delta R.T. -0.012 min

Lab File: BF134457.D

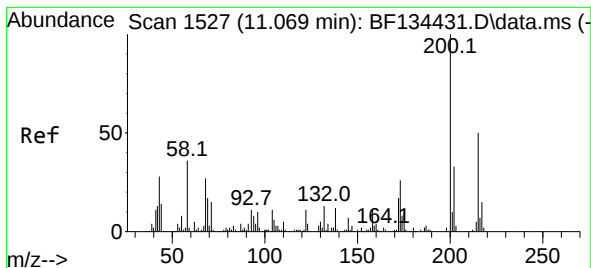
Acq: 25 Jul 2023 06:19

Tgt Ion:169 Resp: 15994

Ion Ratio Lower Upper

169 100

168 32.8 52.6 78.8#



#69

Atrazine

Concen: 2.543 ng

RT: 11.080 min Scan# 1529

Delta R.T. 0.012 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

Instrument :

BNA_F

ClientSampleId :

HR-3-071823

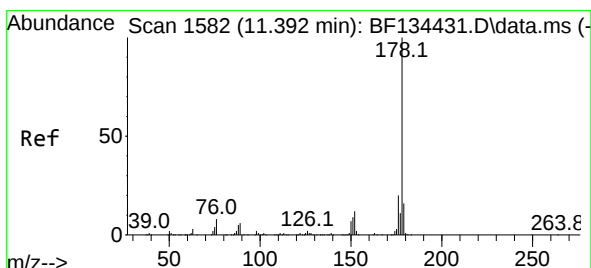
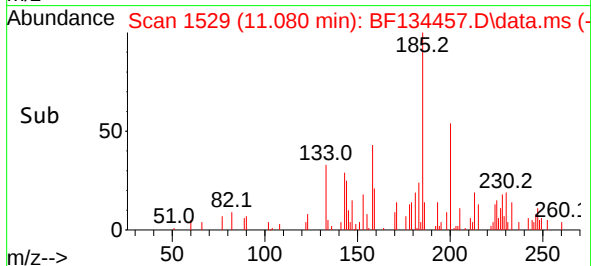
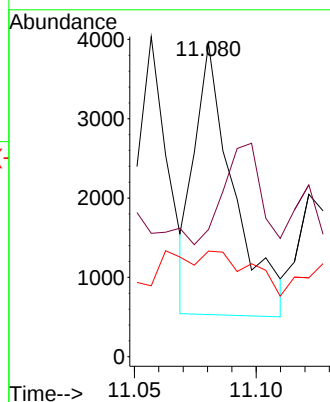
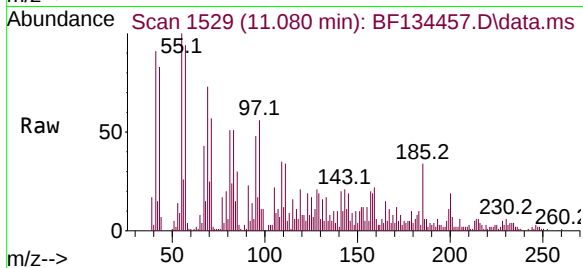
Tgt Ion:200 Resp: 3799

Ion Ratio Lower Upper

200 100

173 40.7 6.1 46.1

215 33.7 29.7 69.7



#71

Phenanthrene

Concen: 3.944 ng

RT: 11.392 min Scan# 1582

Delta R.T. 0.000 min

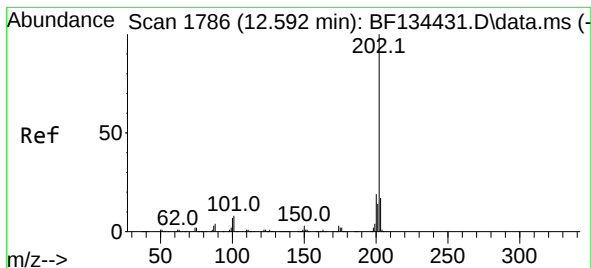
Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

Tgt Ion:178 Resp: 34699

Ion Ratio Lower Upper

1



#75

Fluoranthene

Concen: 4.744 ng

RT: 12.598 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

Instrument :

BNA_F

ClientSampleId :

HR-3-071823

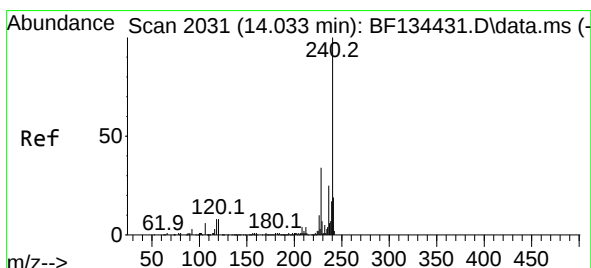
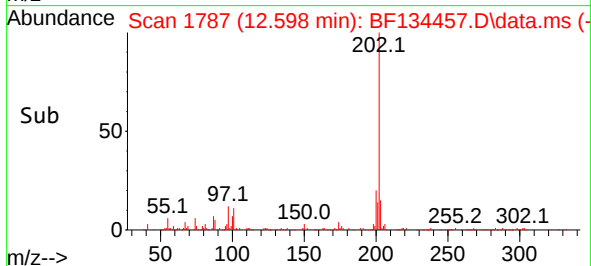
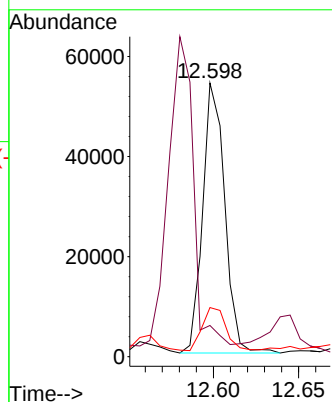
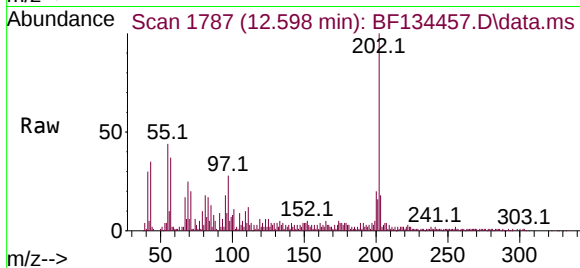
Tgt Ion:202 Resp: 48644

Ion Ratio Lower Upper

202 100

101 11.4 0.0 28.5

203 17.9 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

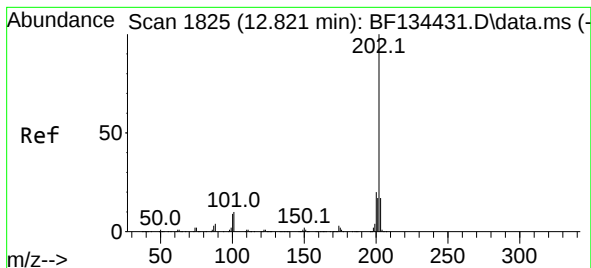
Tgt Ion:240 Resp: 97212

Ion Ratio Lower Upper

240 100

120 8.3 6.6 10.0

236 24.8 20.2 3



#78

Pyrene

Concen: 6.293 ng

RT: 12.598 min Scan# 11

Delta R.T. -0.223 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

Instrument :

BNA_F

ClientSampleId :

HR-3-071823

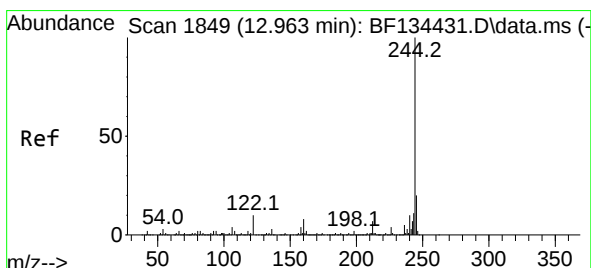
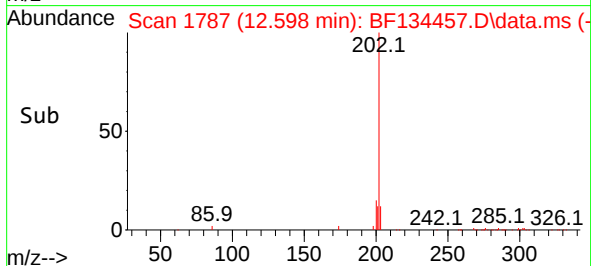
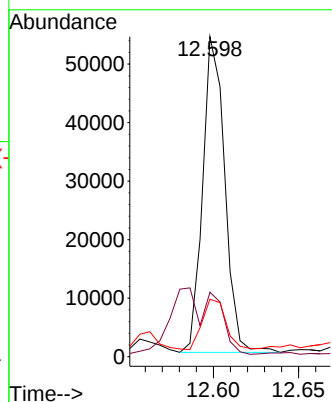
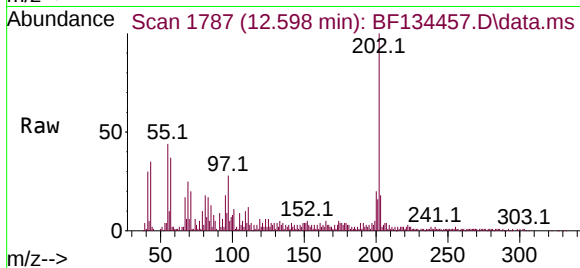
Tgt Ion:202 Resp: 48644

Ion Ratio Lower Upper

202 100

200 20.2 15.8 23.8

203 17.9 13.5 20.3



#79

Terphenyl-d14

Concen: 57.683 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.018 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

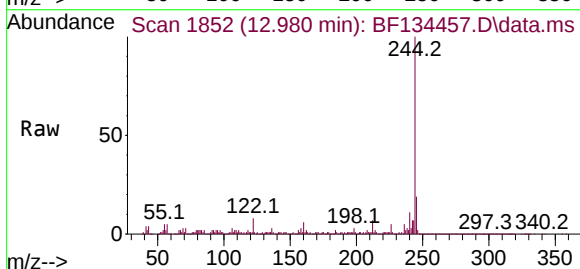
Tgt Ion:244 Resp: 321222

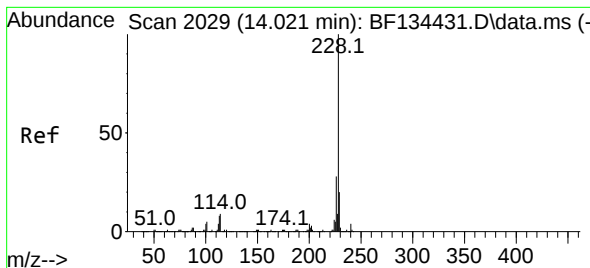
Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 7.6 8.0 12.0#





#81

Benzo(a)anthracene

Concen: 3.033 ng

RT: 14.027 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

Instrument :

BNA_F

ClientSampleId :

HR-3-071823

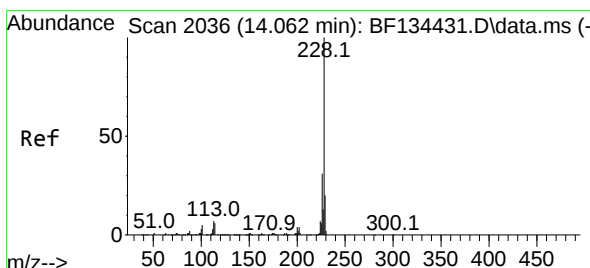
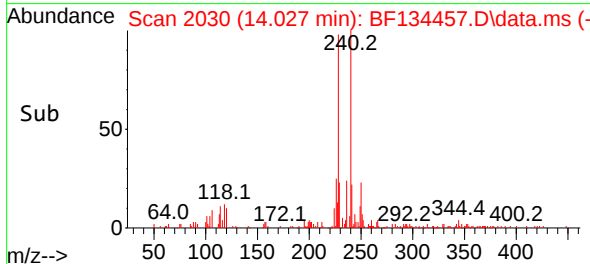
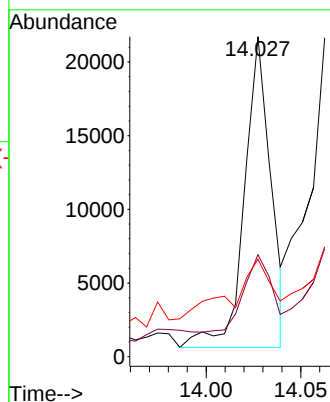
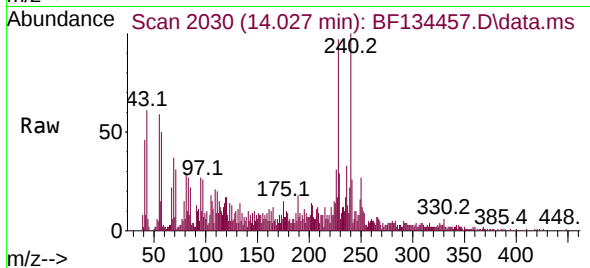
Tgt Ion:228 Resp: 20571

Ion Ratio Lower Upper

228 100

226 31.9 22.3 33.5

229 30.5 15.8 23.6#



#83

Chrysene

Concen: 3.385 ng

RT: 14.063 min Scan# 2036

Delta R.T. 0.000 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

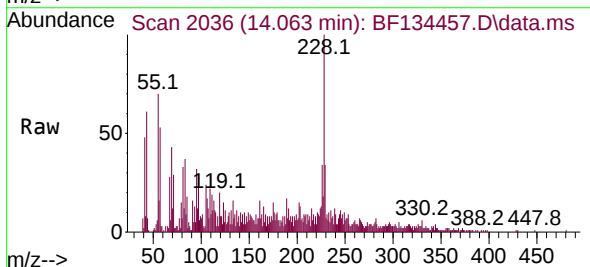
Tgt Ion:228 Resp: 21961

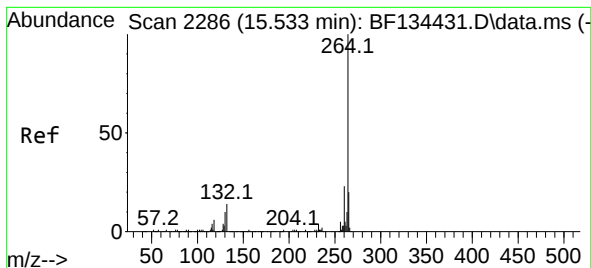
Ion Ratio Lower Upper

228 100

226 33.9 24.5 36.7

229 34.5 15.8 23.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

Instrument :

BNA_F

ClientSampleId :

HR-3-071823

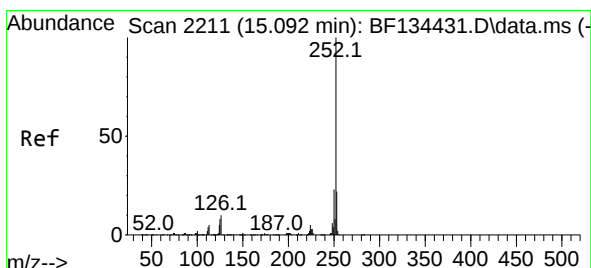
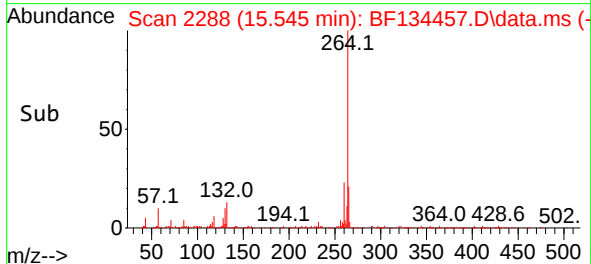
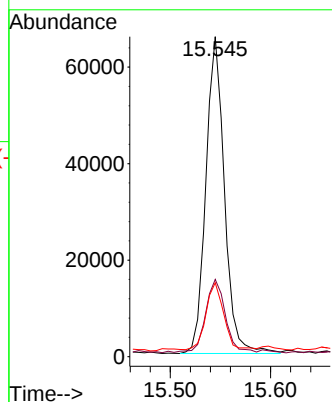
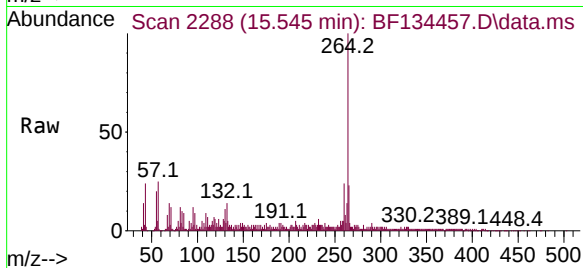
Tgt Ion:264 Resp: 84955

Ion Ratio Lower Upper

264 100

260 24.2 18.4 27.6

265 23.1 15.8 23.8



#88

Benzo(b)fluoranthene

Concen: 4.711 ng

RT: 15.098 min Scan# 2212

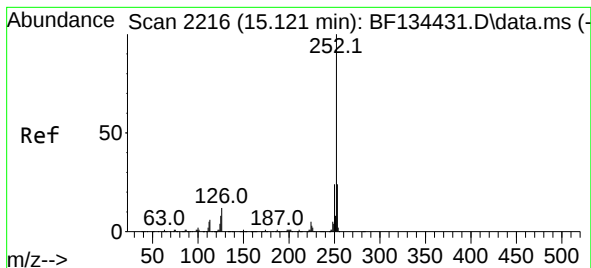
Delta R.T. 0.006 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

Tgt Ion:252 Resp: 25039

Ion Ratio Lower Upper



#89

Benzo(k)fluoranthene

Concen: 4.791 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.023 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

Instrument :

BNA_F

ClientSampleId :

HR-3-071823

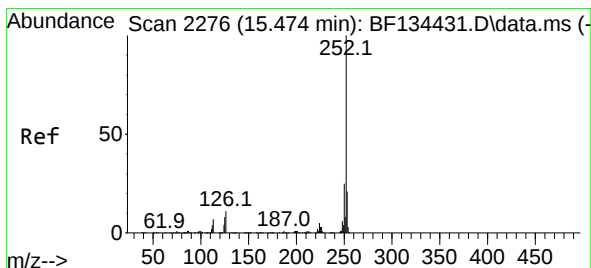
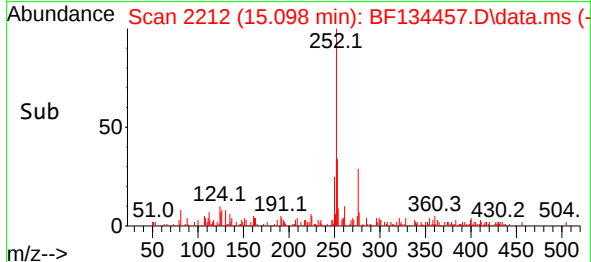
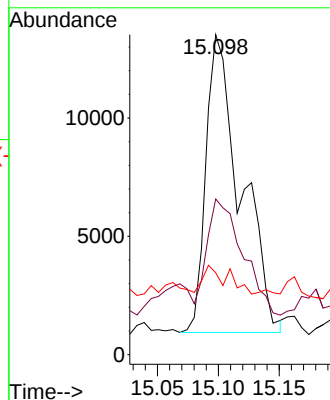
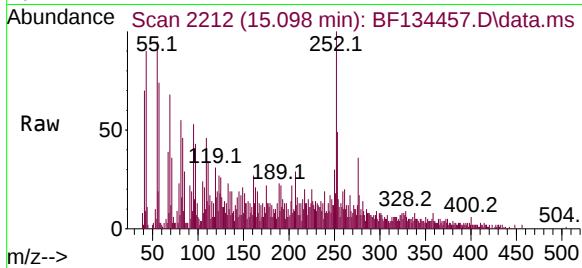
Tgt Ion:252 Resp: 25039

Ion Ratio Lower Upper

252 100

253 48.7 17.9 26.9#

125 25.6 6.3 9.5#



#90

Benzo(a)pyrene

Concen: 2.854 ng

RT: 15.480 min Scan# 2277

Delta R.T. 0.006 min

Lab File: BF134457.D

Acq: 25 Jul 2023 06:19

Tgt Ion:252 Resp: 14019

Ion Ratio Lower Upper