

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
 Data File : BF130755.D
 Acq On : 21 Oct 2022 20:28
 Operator : CG\JU
 Sample : N5229-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LRH-COMP-2

Quant Time: Oct 21 22:58:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 06:12:36 2022
 Response via : Initial Calibration

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

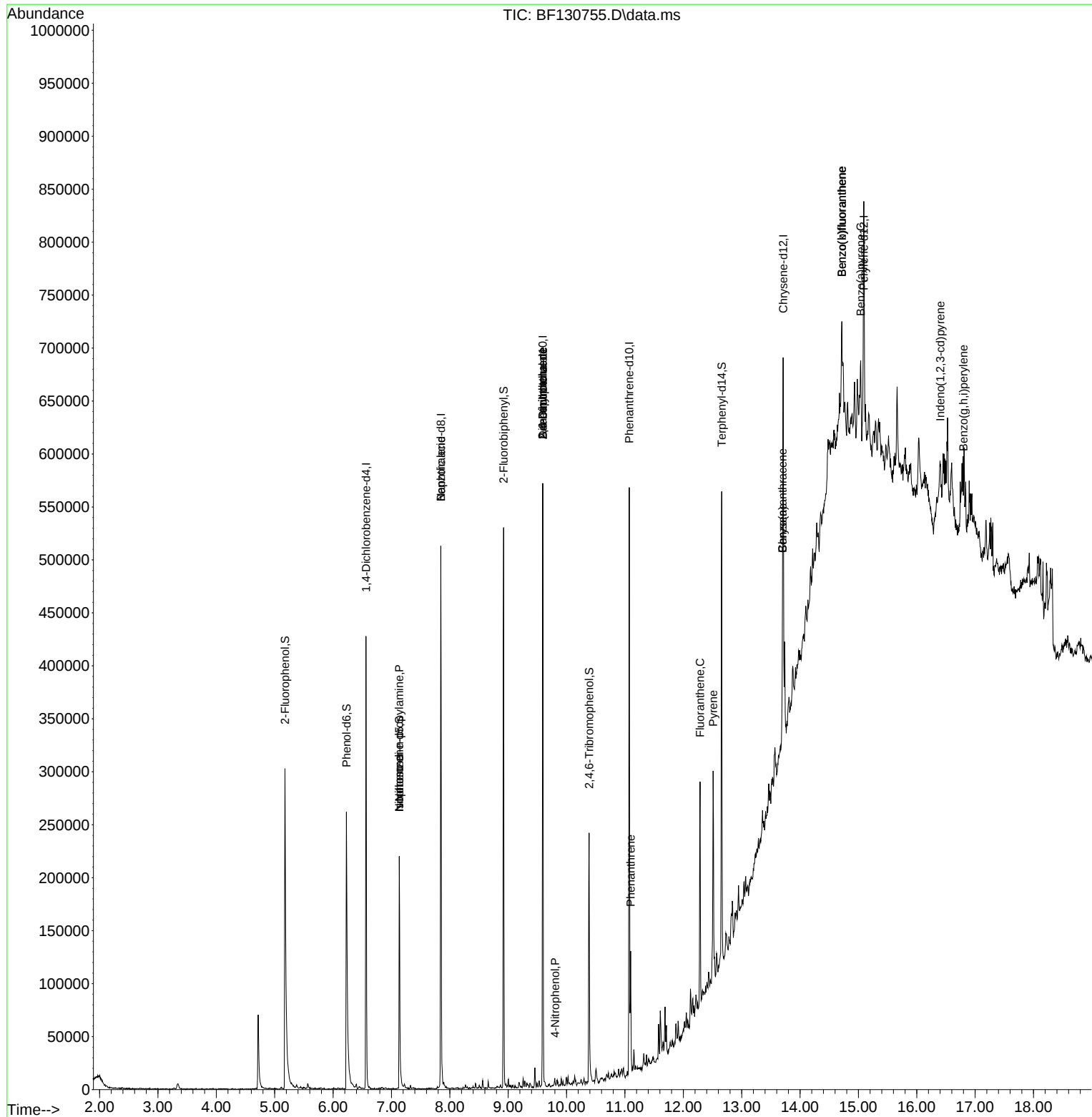
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	62922	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	217871	20.000	ng	0.00
39) Acenaphthene-d10	9.592	164	105268	20.000	ng	0.00
64) Phenanthrene-d10	11.075	188	181062	20.000	ng	0.00
76) Chrysene-d12	13.710	240	108176	20.000	ng	0.00
86) Perylene-d12	15.092	264	92361	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	139934	38.349	ng	0.01
7) Phenol-d6	6.228	99	135169	30.617	ng	0.00
23) Nitrobenzene-d5	7.134	82	74243	18.077	ng	0.00
42) 2,4,6-Tribromophenol	10.386	330	31681	31.646	ng	0.00
45) 2-Fluorobiphenyl	8.922	172	150717	21.819	ng	0.00
79) Terphenyl-d14	12.657	244	145762	22.707	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.134	70	10223	3.427	ng	# 73
25) Isophorone	7.134	82	74242	10.971	ng	# 65
32) Benzoic acid	7.845	122	67	6.045	ng	# 1
50) Dimethylphthalate	9.592	163	20136	2.844	ng	# 1
51) 2,6-Dinitrotoluene	9.592	165	14229	8.974	ng	# 30
56) 4-Nitrophenol	9.804	139	563	6.371	ng	# 22
57) 2,4-Dinitrotoluene	9.592	165	14229	6.662	ng	# 28
71) Phenanthrene	11.098	178	40086	4.037	ng	97
75) Fluoranthene	12.286	202	81526	8.122	ng	98
77) Benzidine	12.422	184	687	Below Cal		# 1
78) Pyrene	12.510	202	78047	8.595	ng	99
81) Benzo(a)anthracene	13.698	228	34731	4.805	ng	# 95
83) Chrysene	13.698	228	34731	4.959	ng	96
87) Indeno(1,2,3-cd)pyrene	16.404	276	19043	2.875	ng	# 89
88) Benzo(b)fluoranthene	14.716	252	54832	8.916	ng	# 63
89) Benzo(k)fluoranthene	14.716	252	54832	8.875	ng	# 65
90) Benzo(a)pyrene	15.039	252	27624	5.593	ng	# 81
92) Benzo(g,h,i)perylene	16.798	276	24472	4.458	ng	# 88

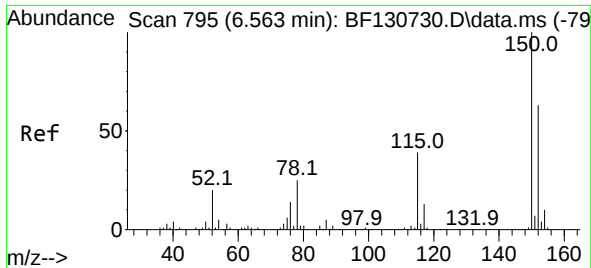
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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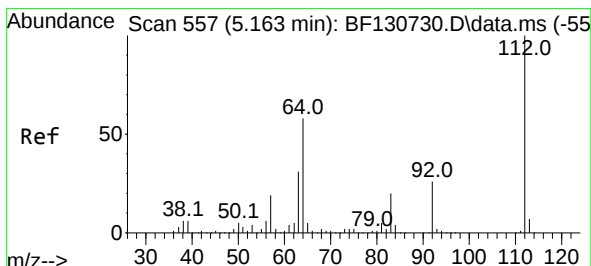
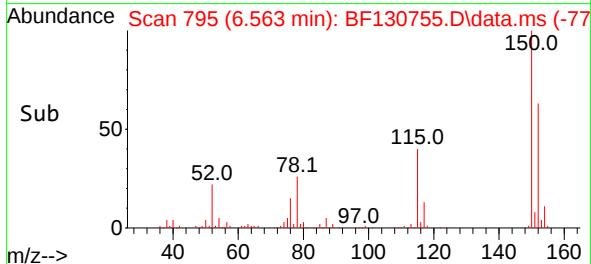
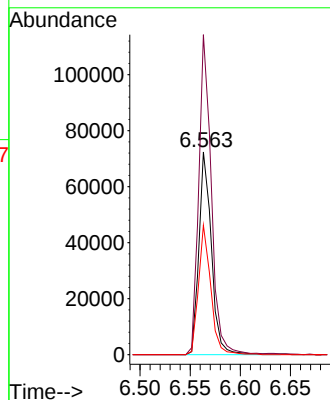
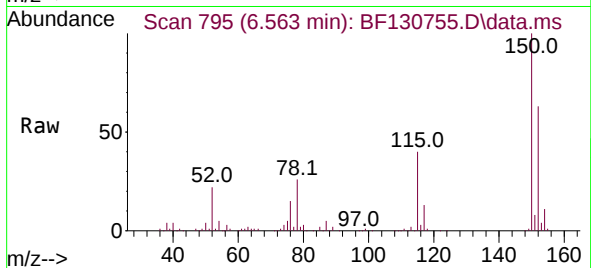




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

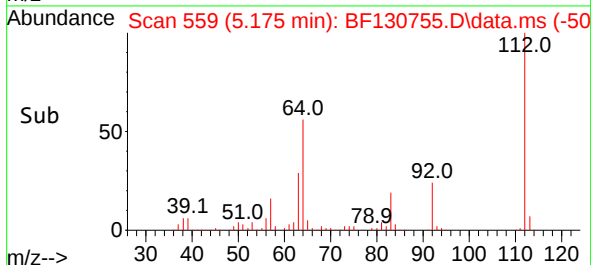
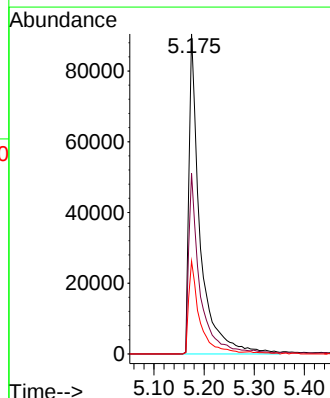
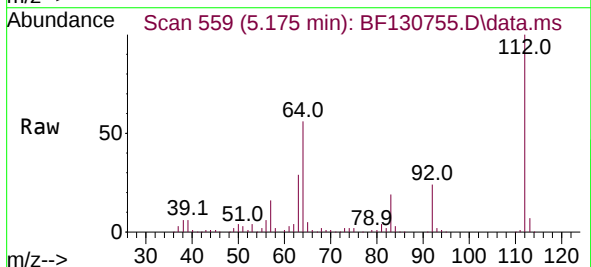
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-2

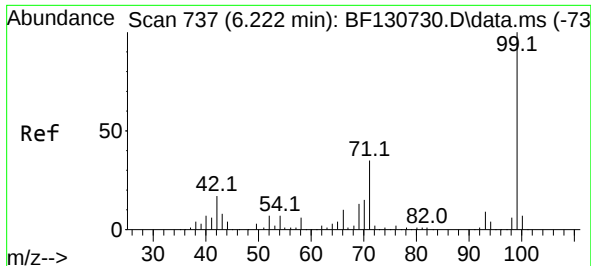
Tgt Ion:152 Resp: 62922
Ion Ratio Lower Upper
152 100
150 157.9 127.0 190.6
115 63.8 49.9 74.9



#5
2-Fluorophenol
Concen: 38.349 ng
RT: 5.175 min Scan# 559
Delta R.T. 0.012 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

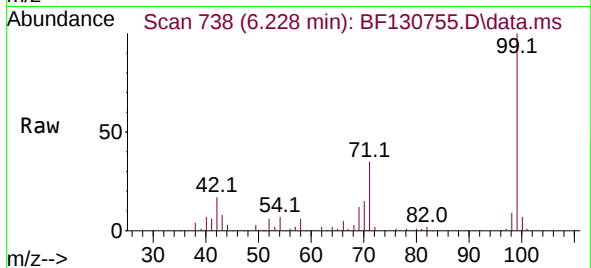
Tgt Ion:112 Resp: 139934
Ion Ratio Lower Upper
112 100
64 56.4 46.2 69.4
63 29.0 25.1 37.7



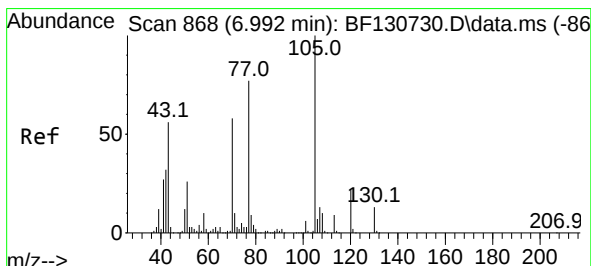
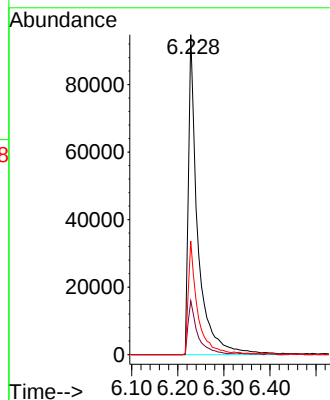
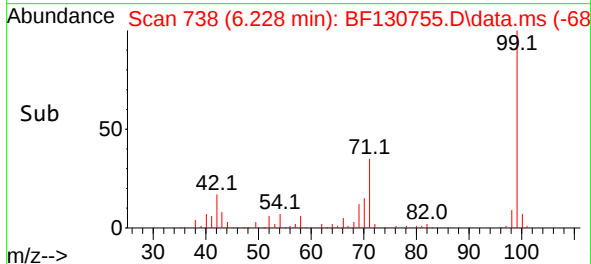


#7
Phenol-d6
Concen: 30.617 ng
RT: 6.228 min Scan# 737
Delta R.T. 0.006 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

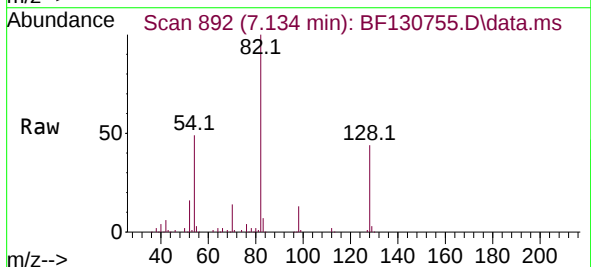
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-2



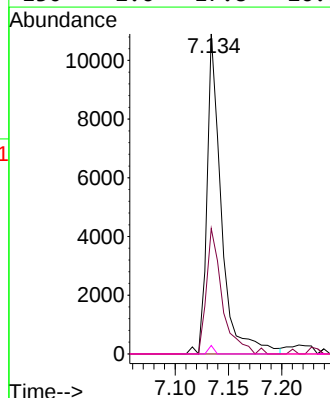
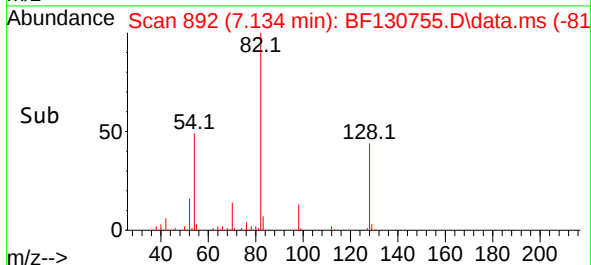
Tgt Ion: 99 Resp: 135169
Ion Ratio Lower Upper
99 100
42 16.9 13.8 20.8
71 35.5 28.3 42.5

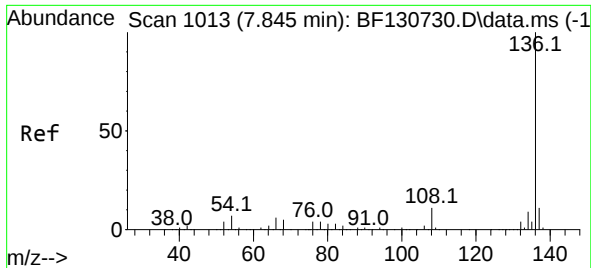


#19
n-Nitroso-di-n-propylamine
Concen: 3.427 ng
RT: 7.134 min Scan# 892
Delta R.T. 0.141 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28



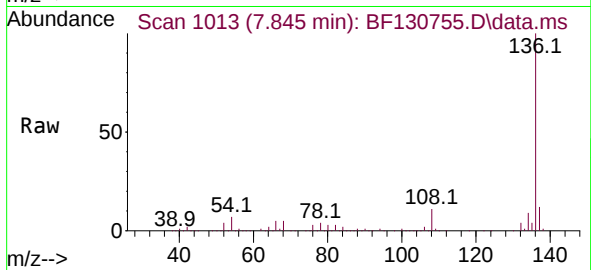
Tgt Ion: 70 Resp: 10223
Ion Ratio Lower Upper
70 100
42 39.2 44.1 66.1#
101 0.0 8.3 12.5#
130 2.6 17.8 26.6#



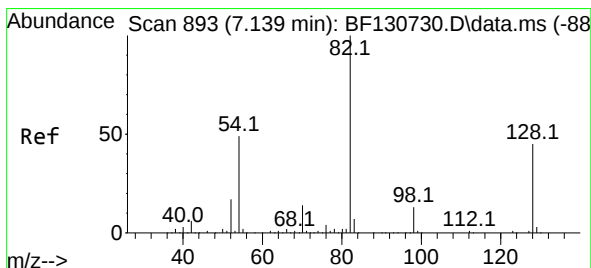
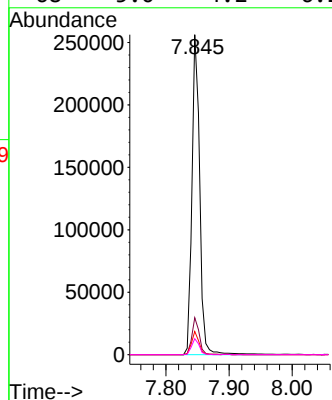
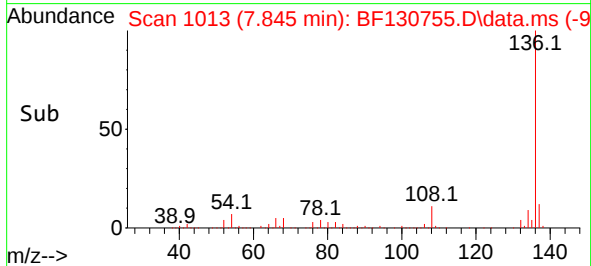


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

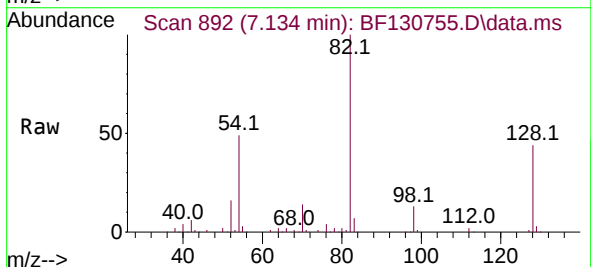
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-2



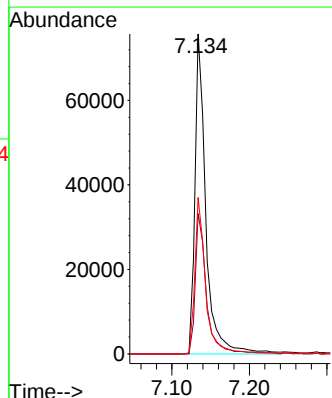
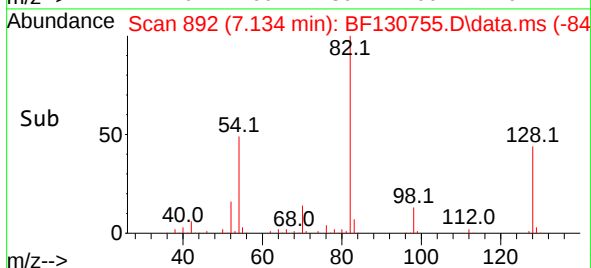
Tgt Ion:136 Resp: 217871
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 7.2 5.8 8.8
68 5.0 4.2 6.2

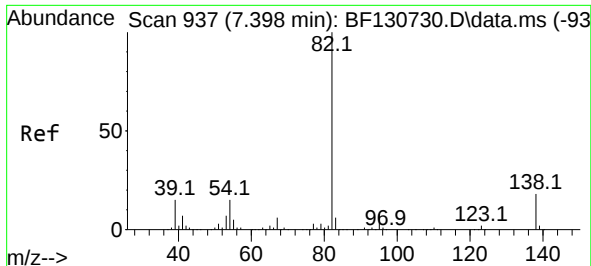


#23
Nitrobenzene-d5
Concen: 18.077 ng
RT: 7.134 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28



Tgt Ion: 82 Resp: 74243
Ion Ratio Lower Upper
82 100
128 43.9 35.9 53.9
54 48.9 39.2 58.8

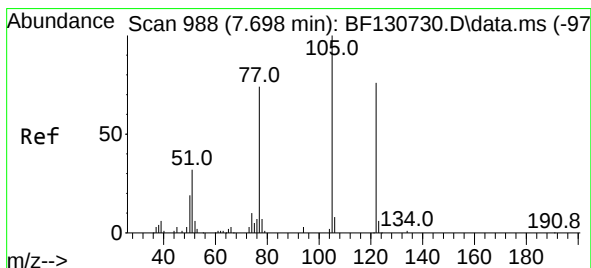
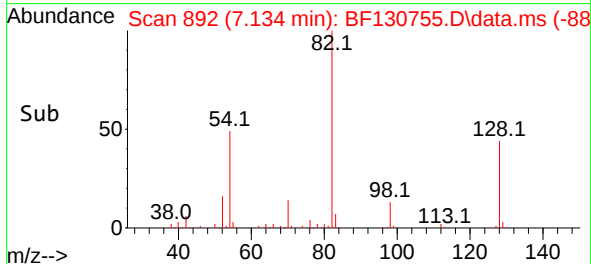
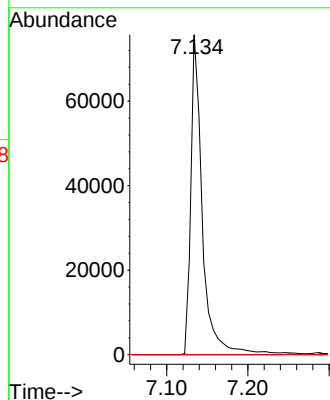
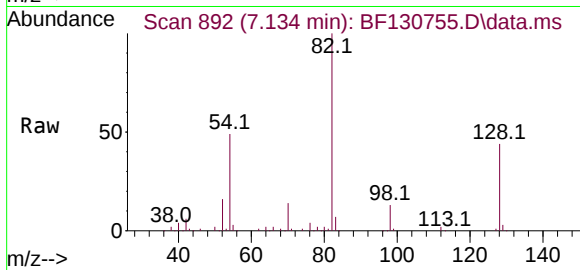




#25
Isophorone
Concen: 10.971 ng
RT: 7.134 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

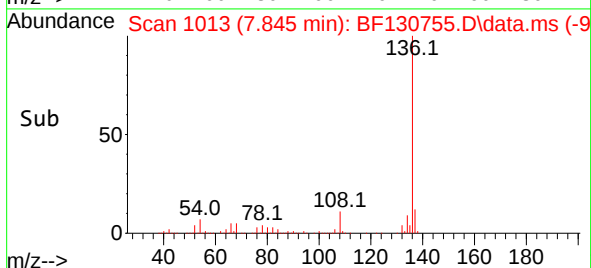
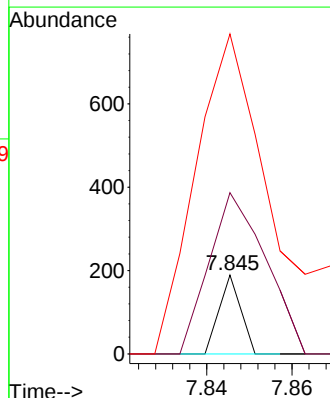
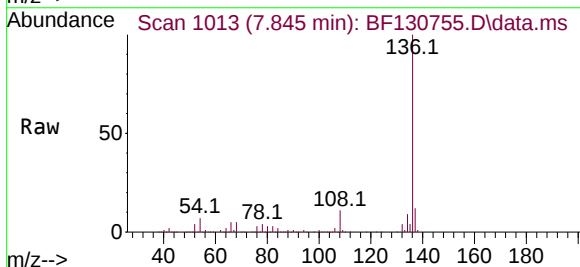
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-2

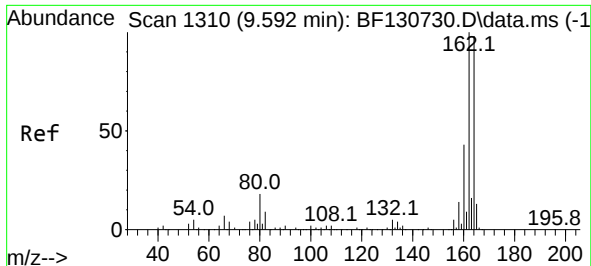
Tgt Ion: 82 Resp: 74242
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 6.045 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.147 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Tgt Ion:122 Resp: 67
Ion Ratio Lower Upper
122 100
105 204.8 109.2 149.2#
77 406.3 75.7 115.7#

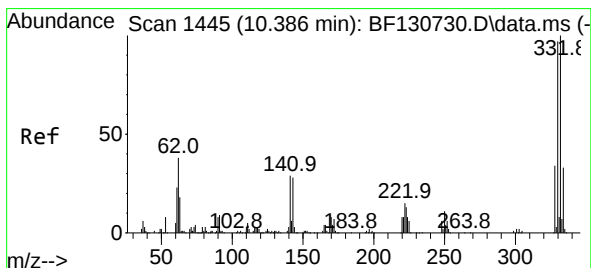
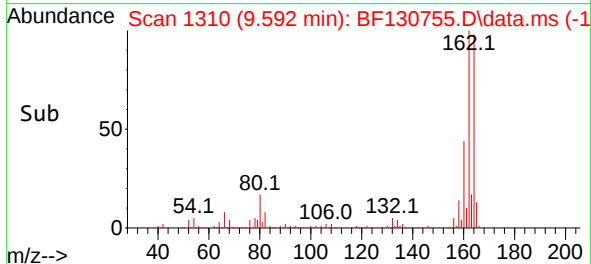
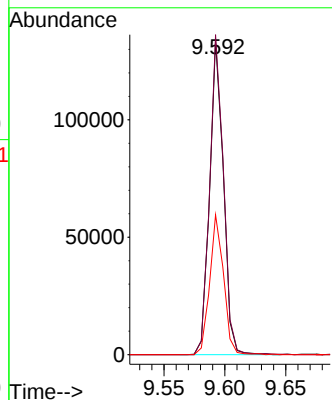
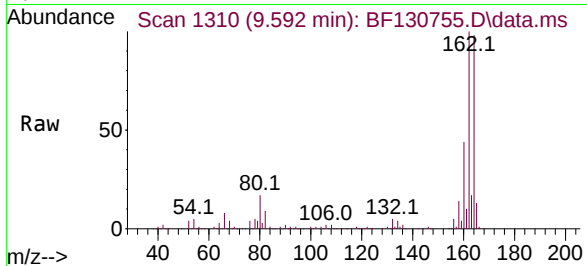




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.592 min Scan# 1310
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

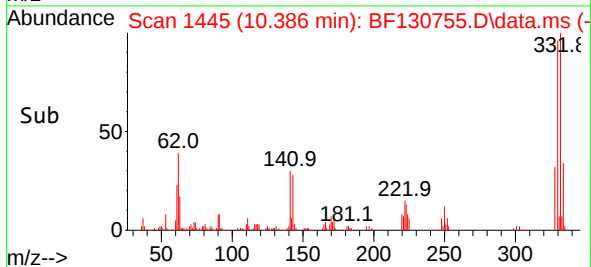
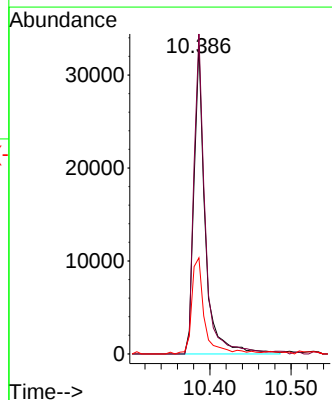
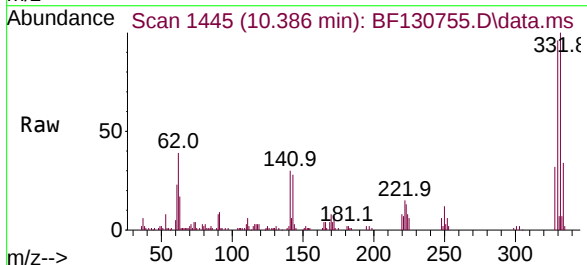
Instrument :
BNA_F
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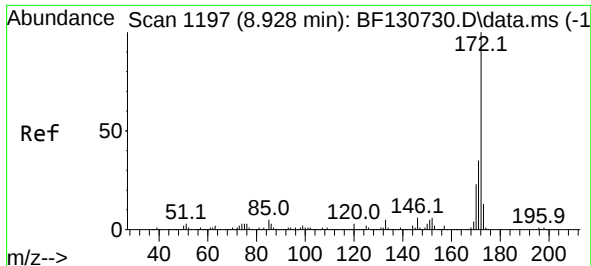
Tgt Ion:164 Resp: 105268
Ion Ratio Lower Upper
164 100
162 102.0 81.4 122.0
160 44.5 35.0 52.4



#42
2,4,6-Tribromophenol
Concen: 31.646 ng
RT: 10.386 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Tgt Ion:330 Resp: 31681
Ion Ratio Lower Upper
330 100
332 102.9 81.4 122.2
141 35.9 24.6 37.0





#45

2-Fluorobiphenyl

Concen: 21.819 ng

RT: 8.922 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

Instrument :

BNA_F

ClientSampleId :

LRH-COMP-2

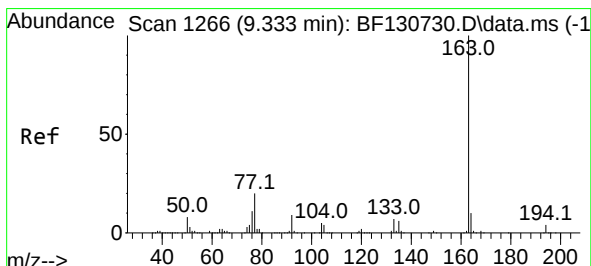
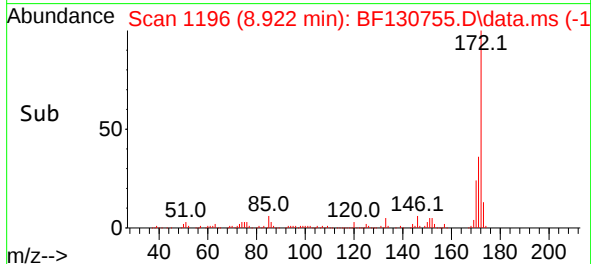
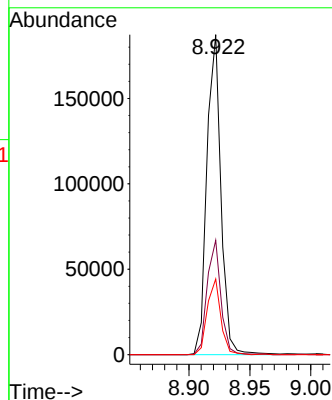
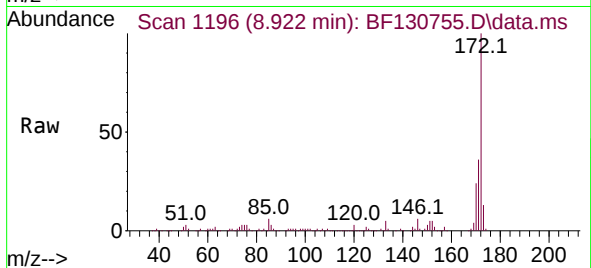
Tgt Ion:172 Resp: 150717

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.2

170 23.7 18.5 27.7



#50

Dimethylphthalate

Concen: 2.844 ng

RT: 9.592 min Scan# 1310

Delta R.T. 0.259 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

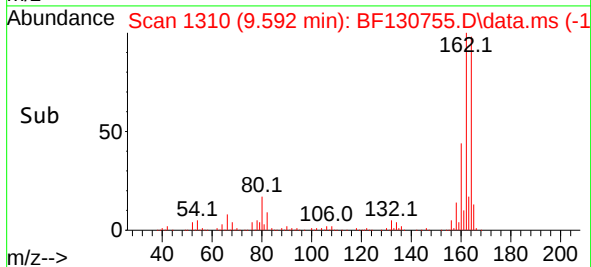
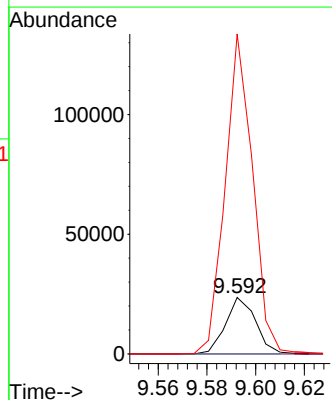
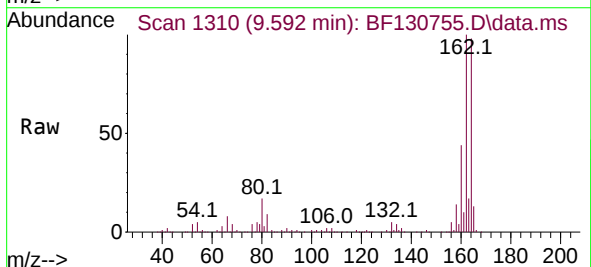
Tgt Ion:163 Resp: 20136

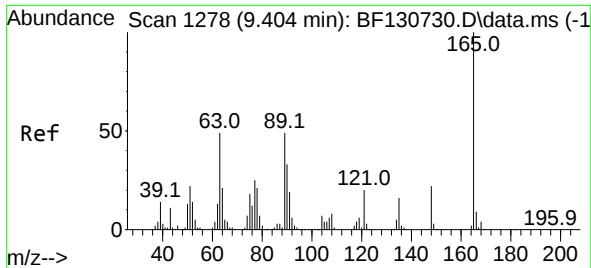
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 567.3 8.1 12.1#

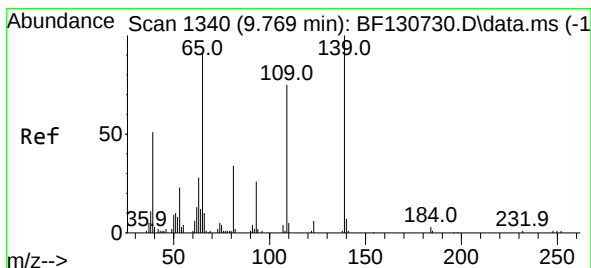
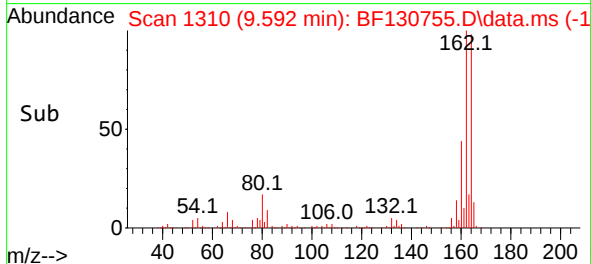
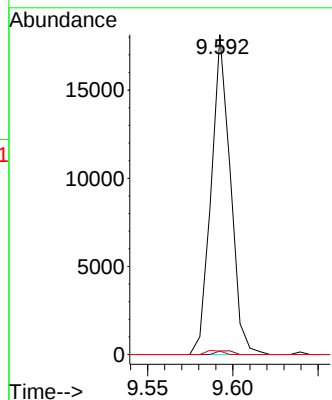
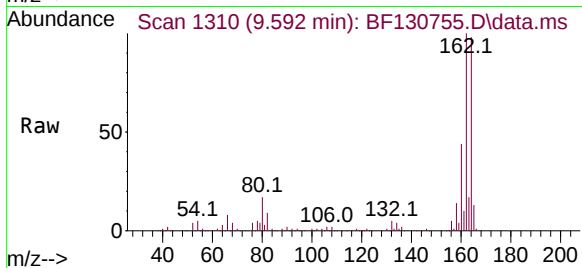




#51
2,6-Dinitrotoluene
Concen: 8.974 ng
RT: 9.592 min Scan# 1310
Delta R.T. 0.188 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

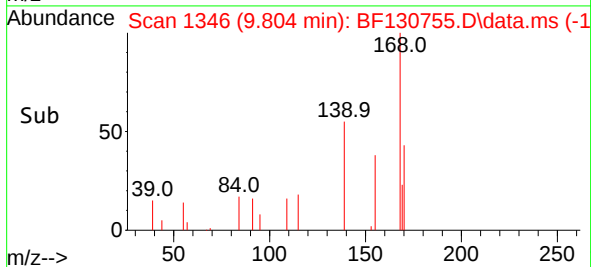
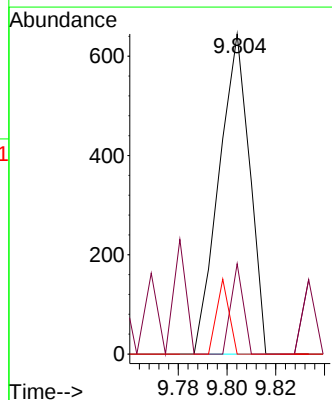
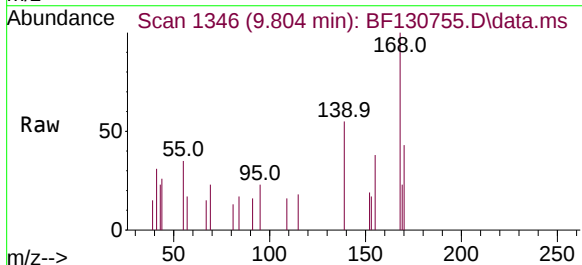
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-2

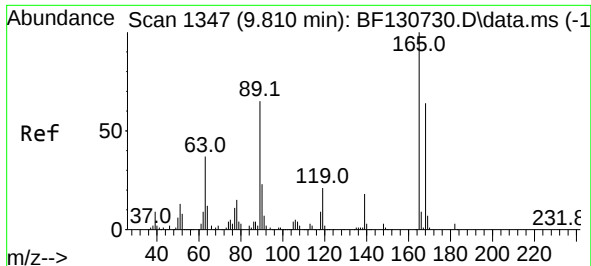
Tgt Ion:165 Resp: 14229
Ion Ratio Lower Upper
165 100
63 1.1 38.8 58.2#
89 1.1 39.4 59.2#



#56
4-Nitrophenol
Concen: 6.371 ng
RT: 9.804 min Scan# 1346
Delta R.T. 0.035 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Tgt Ion:139 Resp: 563
Ion Ratio Lower Upper
139 100
109 28.2 55.1 95.1#
65 0.0 72.2 112.2#





#57

2,4-Dinitrotoluene

Concen: 6.662 ng

RT: 9.592 min Scan# 1347

Delta R.T. -0.217 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

Instrument :

BNA_F

ClientSampleId :

LRH-COMP-2

Tgt Ion:165 Resp: 14229

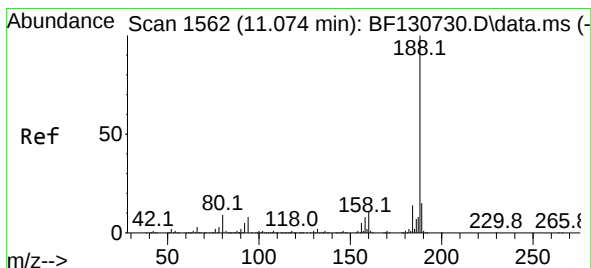
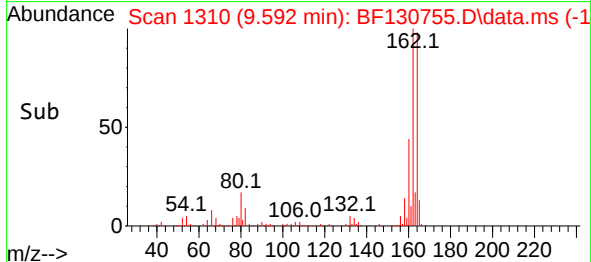
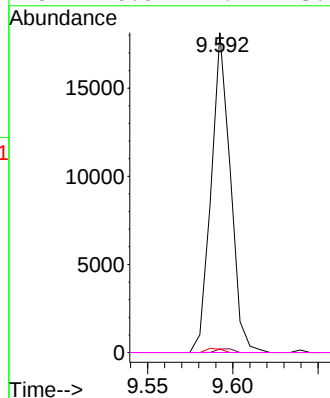
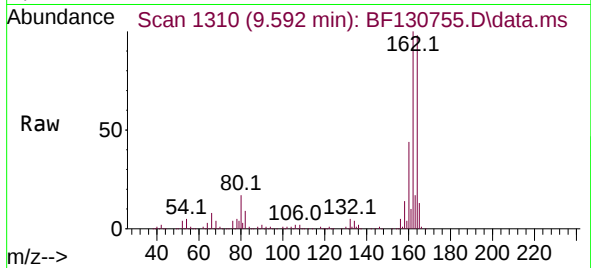
Ion Ratio Lower Upper

165 100

63 1.1 32.6 49.0#

89 1.1 51.9 77.9#

182 0.0 2.4 3.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.075 min Scan# 1562

Delta R.T. 0.000 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

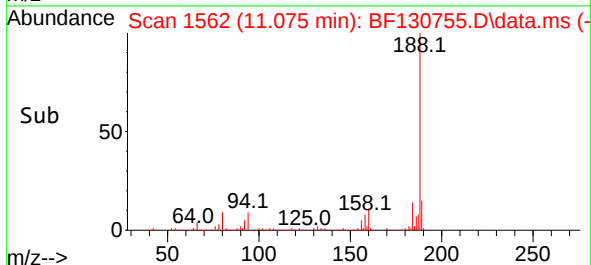
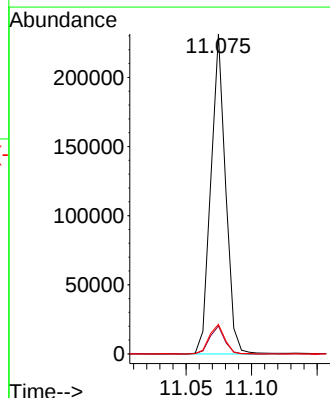
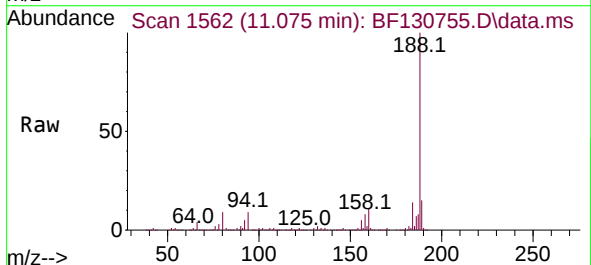
Tgt Ion:188 Resp: 181062

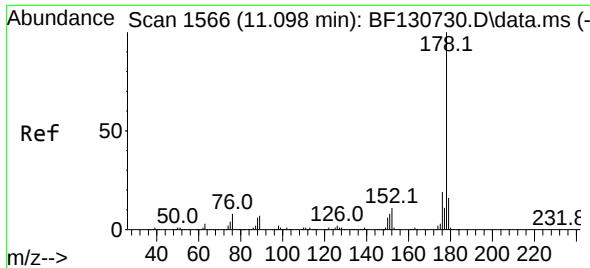
Ion Ratio Lower Upper

188 100

94 8.7 6.7 10.1

80 9.2 7.4 11.0

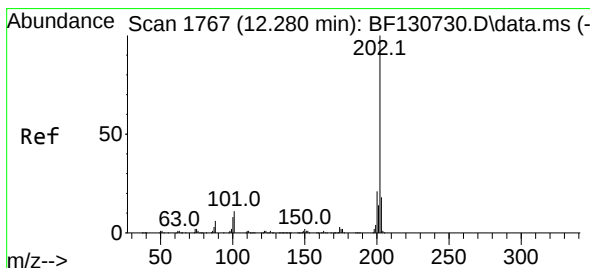
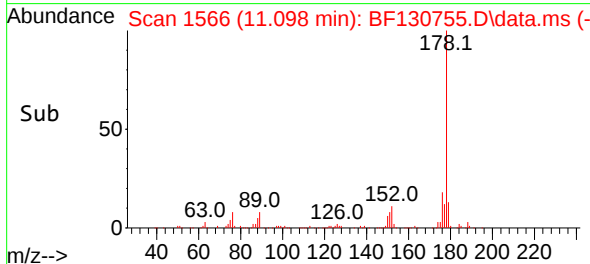
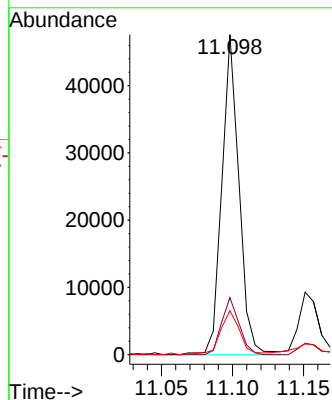
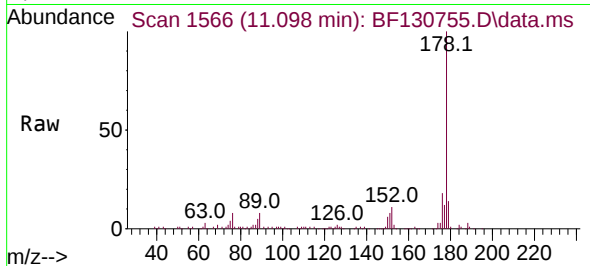




#71
Phenanthrene
Concen: 4.037 ng
RT: 11.098 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

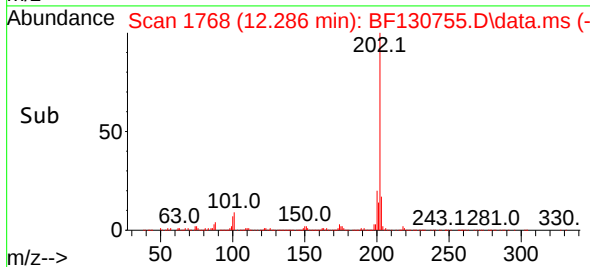
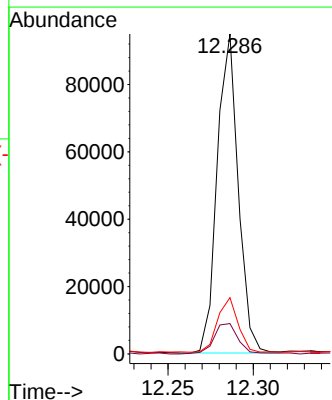
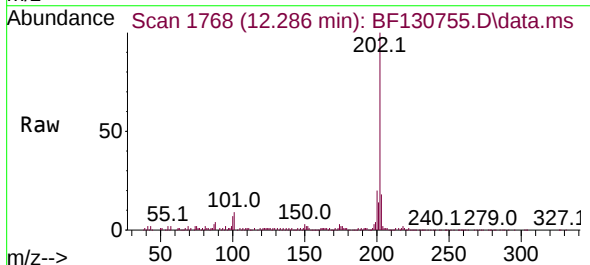
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-2

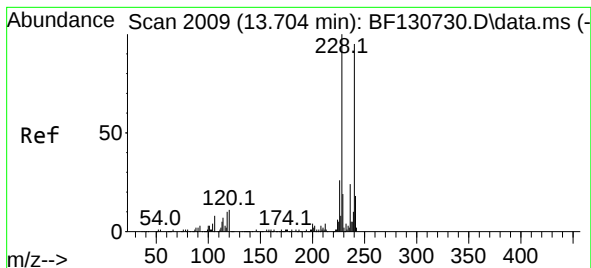
Tgt Ion:178 Resp: 40086
Ion Ratio Lower Upper
178 100
176 17.8 15.1 22.7
179 13.7 12.4 18.6



#75
Fluoranthene
Concen: 8.122 ng
RT: 12.286 min Scan# 1768
Delta R.T. 0.006 min
Lab File: BF130755.D
Acq: 21 Oct 2022 20:28

Tgt Ion:202 Resp: 81526
Ion Ratio Lower Upper
202 100
101 9.5 0.0 31.0
203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.710 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

Instrument :

BNA_F

ClientSampleId :

LRH-COMP-2

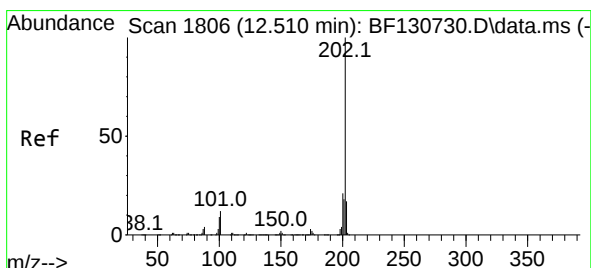
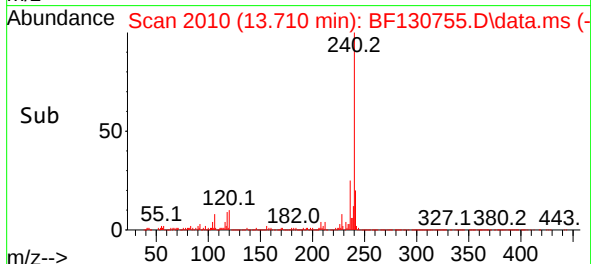
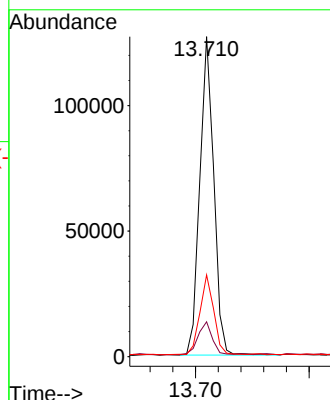
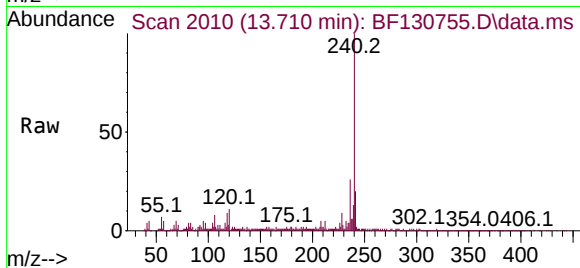
Tgt Ion:240 Resp: 108176

Ion Ratio Lower Upper

240 100

120 10.9 9.6 14.4

236 25.5 20.2 30.2



#78

Pyrene

Concen: 8.595 ng

RT: 12.510 min Scan# 1806

Delta R.T. 0.000 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

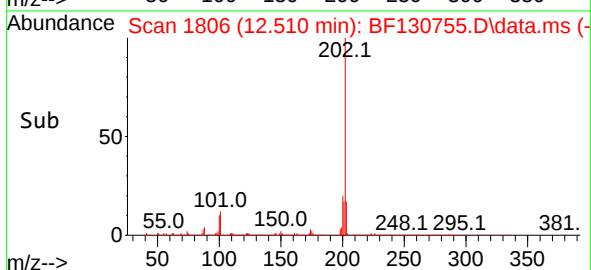
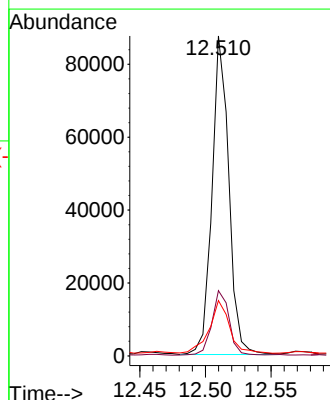
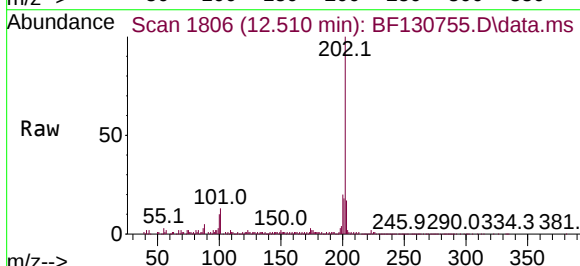
Tgt Ion:202 Resp: 78047

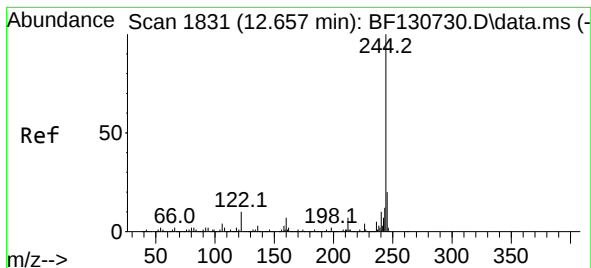
Ion Ratio Lower Upper

202 100

200 20.4 16.8 25.2

203 17.3 13.8 20.8





#79

Terphenyl-d14

Concen: 22.707 ng

RT: 12.657 min Scan# 1831

Delta R.T. -0.000 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

Instrument :

BNA_F

ClientSampleId :

LRH-COMP-2

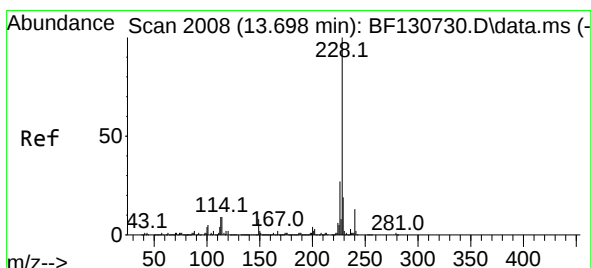
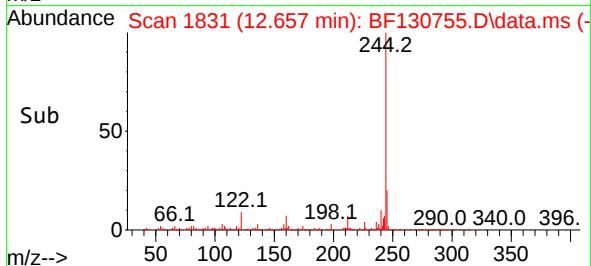
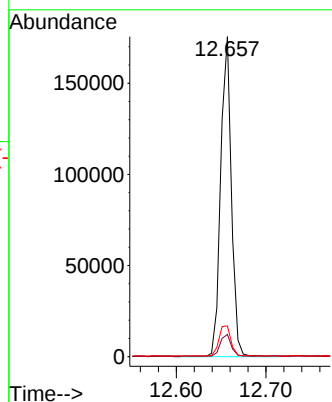
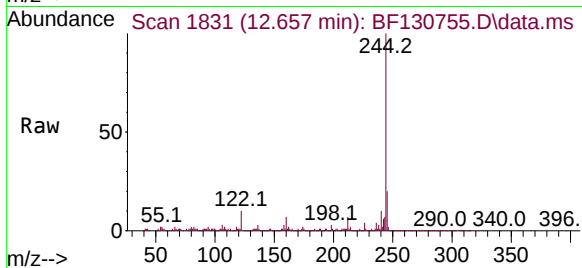
Tgt Ion:244 Resp: 145762

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

122 9.6 8.2 12.4



#81

Benzo(a)anthracene

Concen: 4.805 ng

RT: 13.698 min Scan# 2008

Delta R.T. 0.000 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

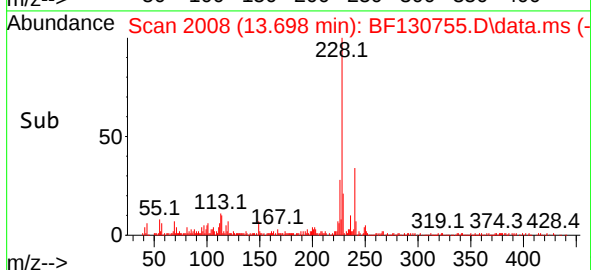
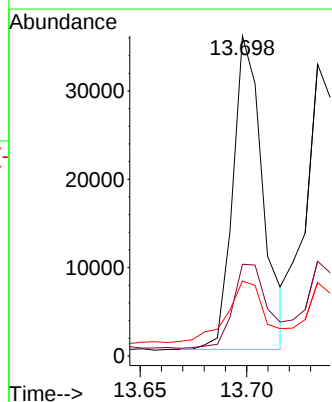
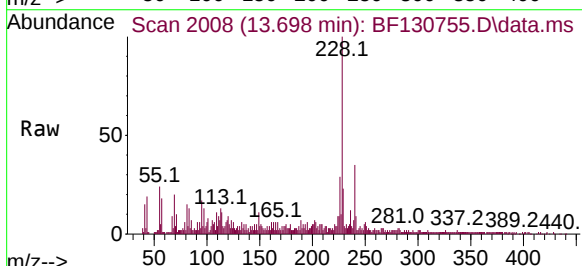
Tgt Ion:228 Resp: 34731

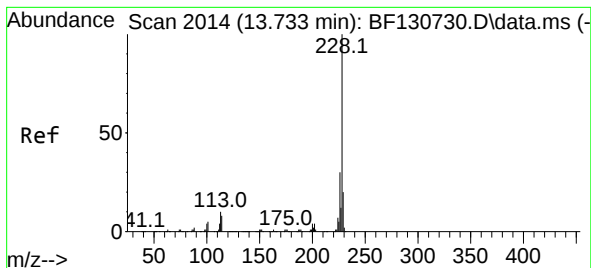
Ion Ratio Lower Upper

228 100

226 28.6 21.8 32.8

229 23.4 15.4 23.2#





#83

Chrysene

Concen: 4.959 ng

RT: 13.698 min Scan# 2014

Delta R.T. -0.035 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

Instrument :

BNA_F

ClientSampleId :

LRH-COMP-2

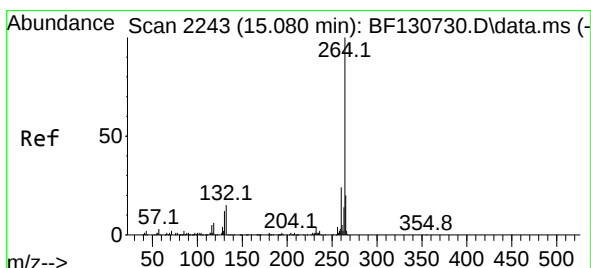
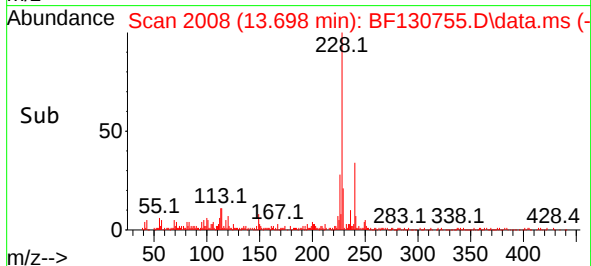
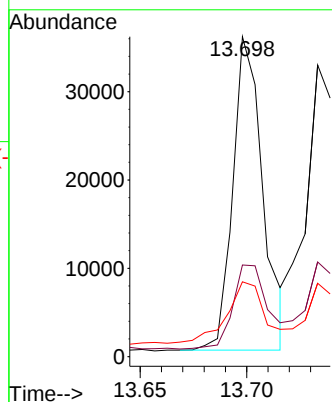
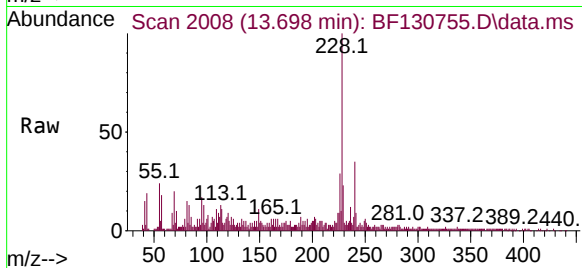
Tgt Ion:228 Resp: 34731

Ion Ratio Lower Upper

228 100

226 28.6 23.6 35.4

229 23.4 15.8 23.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.092 min Scan# 2245

Delta R.T. 0.012 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

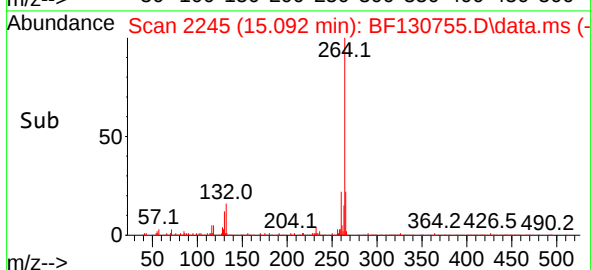
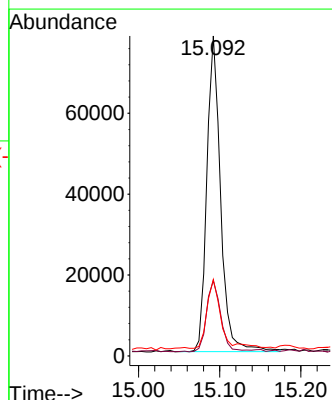
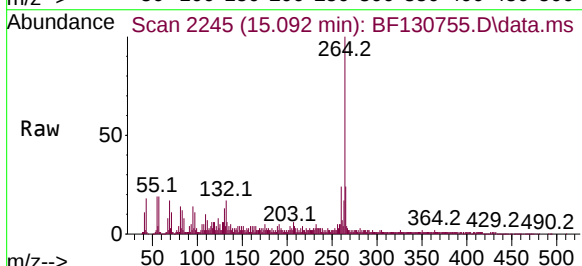
Tgt Ion:264 Resp: 92361

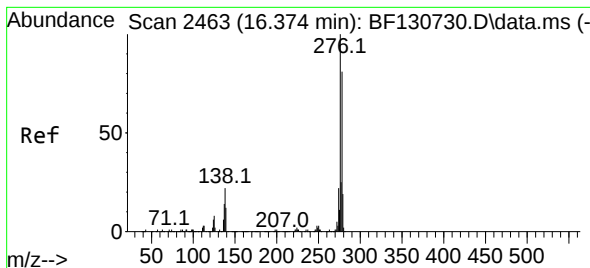
Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 23.9 16.2 24.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.875 ng

RT: 16.404 min Scan# 2463

Delta R.T. 0.030 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

Instrument :

BNA_F

ClientSampleId :

LRH-COMP-2

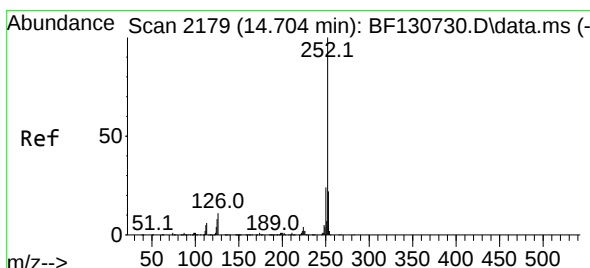
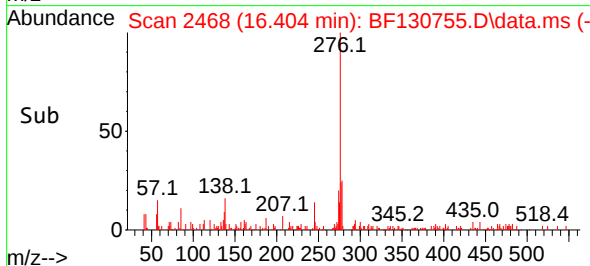
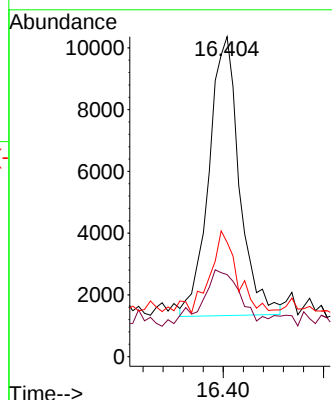
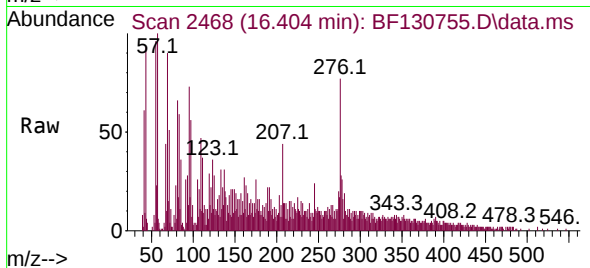
Tgt Ion:276 Resp: 19043

Ion Ratio Lower Upper

276 100

138 26.1 17.2 25.8#

277 31.0 20.1 30.1#



#88

Benzo(b)fluoranthene

Concen: 8.916 ng

RT: 14.716 min Scan# 2181

Delta R.T. 0.012 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

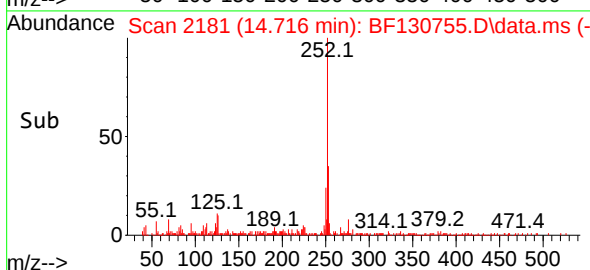
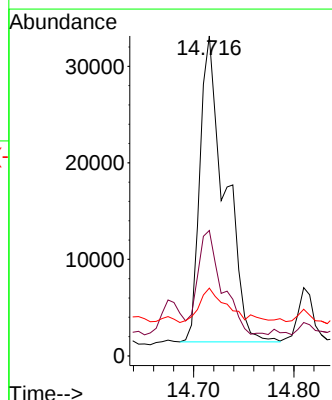
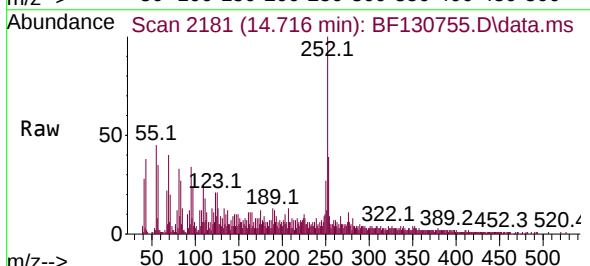
Tgt Ion:252 Resp: 54832

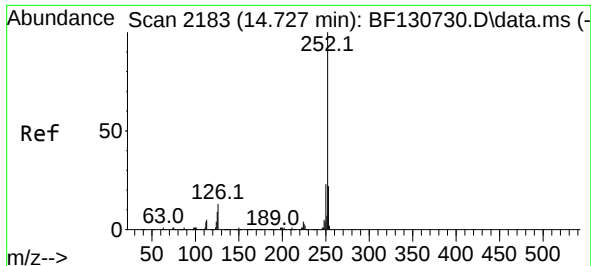
Ion Ratio Lower Upper

252 100

253 39.2 17.4 26.0#

125 21.2 6.4 9.6#





#89

Benzo(k)fluoranthene

Concen: 8.875 ng

RT: 14.716 min Scan# 2183

Delta R.T. -0.012 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

Instrument :

BNA_F

ClientSampleId :

LRH-COMP-2

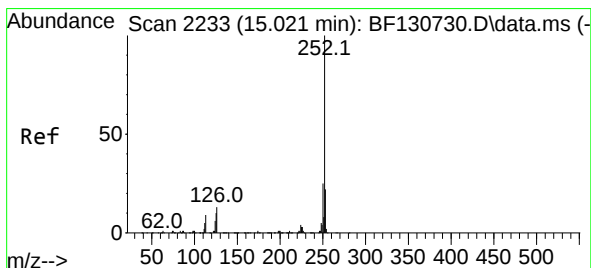
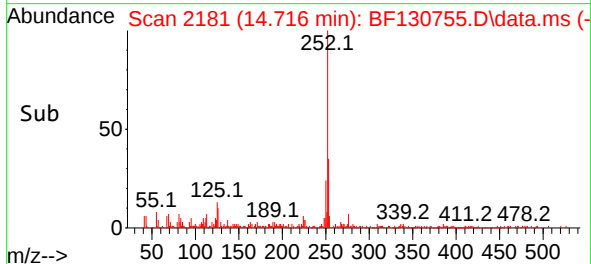
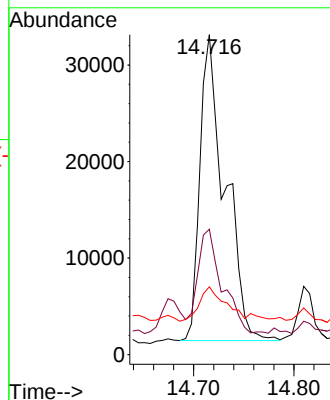
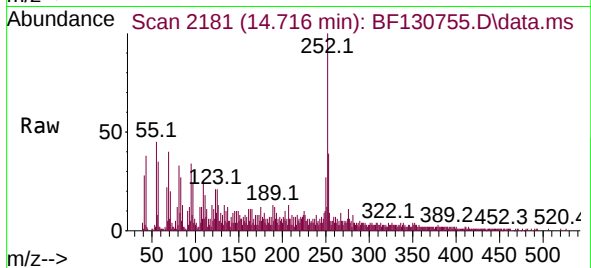
Tgt Ion:252 Resp: 54832

Ion Ratio Lower Upper

252 100

253 39.2 17.7 26.5#

125 21.2 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 5.593 ng

RT: 15.039 min Scan# 2236

Delta R.T. 0.018 min

Lab File: BF130755.D

Acq: 21 Oct 2022 20:28

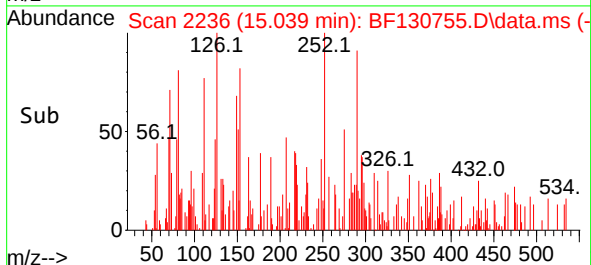
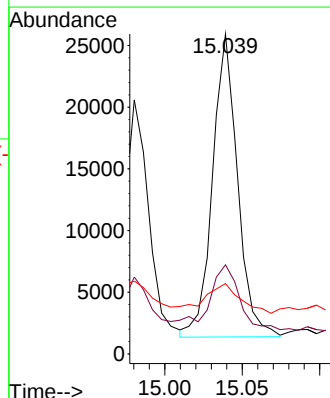
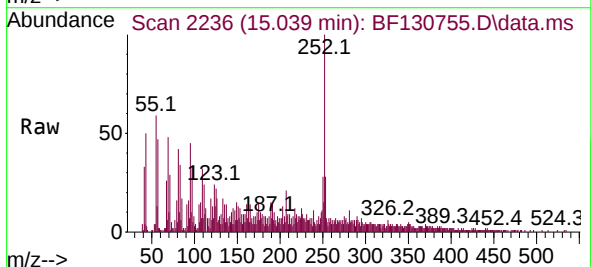
Tgt Ion:252 Resp: 27624

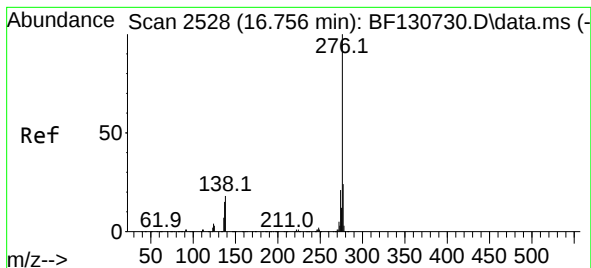
Ion Ratio Lower Upper

252 100

253 27.8 17.4 26.0#

125 22.0 8.3 12.5#





#92

Benzo(g,h,i)perylene

Concen: 4.458 ng

RT: 16.798 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF130755.D

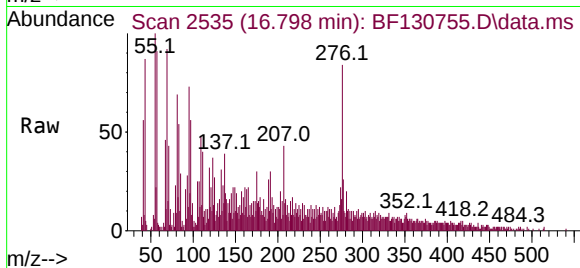
Acq: 21 Oct 2022 20:28

Instrument :

BNA_F

ClientSampleId :

LRH-COMP-2



Tgt Ion:276 Resp: 24472

Ion Ratio Lower Upper

276 100

277 30.4 19.1 28.7#

138 22.6 14.2 21.2#

