

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102422\
 Data File : BF130762.D
 Acq On : 24 Oct 2022 15:29
 Operator : CG\JU
 Sample : N5229-01DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LRH-COMP-1DL

Quant Time: Oct 24 23:23:16 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)

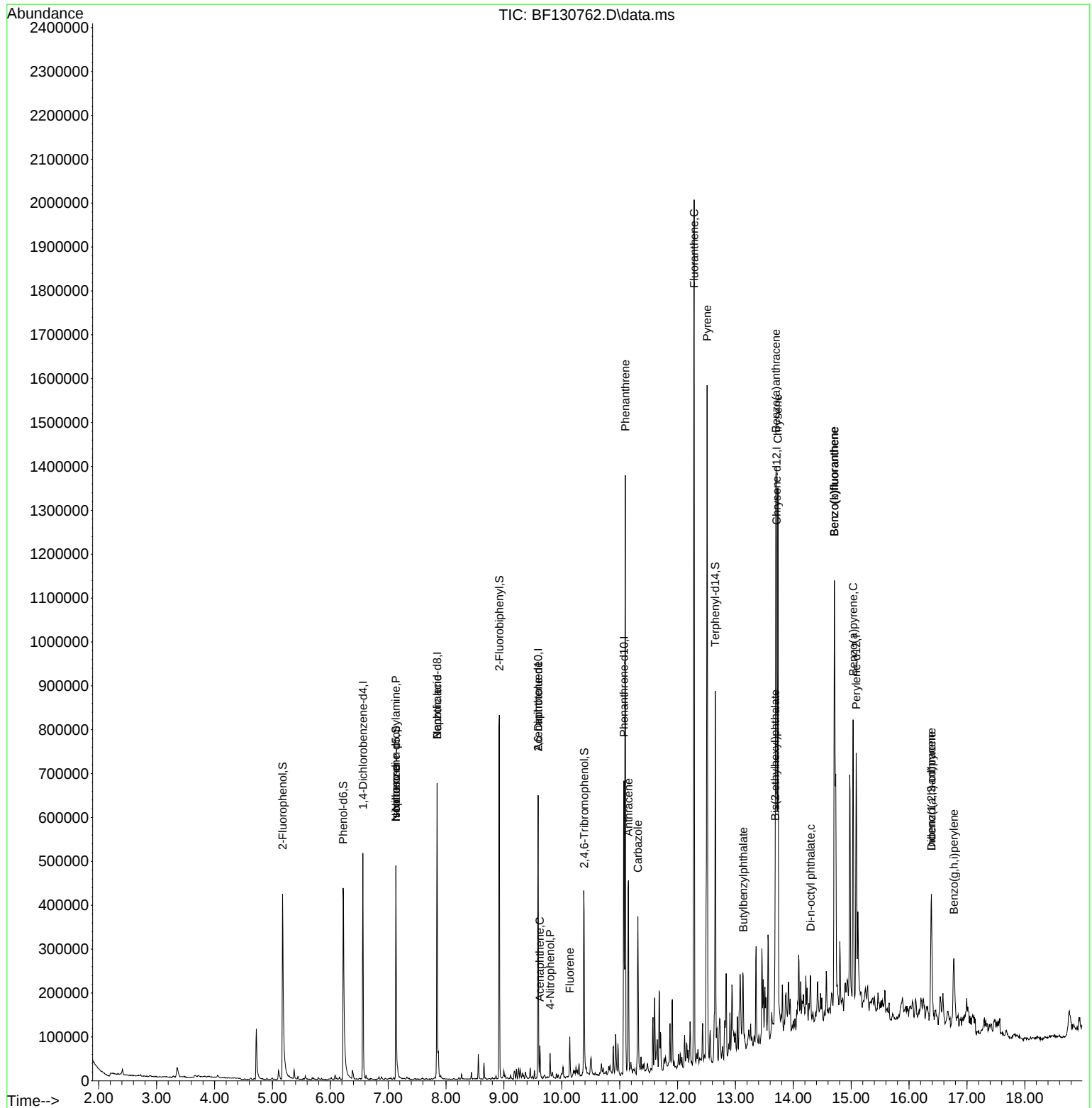
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	73524	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	269222	20.000	ng	0.00
39) Acenaphthene-d10	9.592	164	123663	20.000	ng	0.00
64) Phenanthrene-d10	11.075	188	231330	20.000	ng	0.00
76) Chrysene-d12	13.710	240	230467	20.000	ng	0.00
86) Perylene-d12	15.086	264	223651	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	179438	42.085	ng	0.01
7) Phenol-d6	6.222	99	228354	44.265	ng	0.00
23) Nitrobenzene-d5	7.134	82	151671	29.885	ng	0.00
42) 2,4,6-Tribromophenol	10.386	330	50699	43.110	ng	0.00
45) 2-Fluorobiphenyl	8.922	172	253477	31.237	ng	0.00
79) Terphenyl-d14	12.651	244	269754	19.725	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.134	70	19971	5.729	ng	# 79
25) Isophorone	7.134	82	151670	18.138	ng	# 65
32) Benzoic acid	7.845	122	63	6.036	ng	# 1
51) 2,6-Dinitrotoluene	9.592	165	16750	8.992	ng	# 30
52) Acenaphthene	9.622	154	13729	2.090	ng	97
56) 4-Nitrophenol	9.798	139	7392	21.617	ng	# 10
58) Fluorene	10.139	166	22847	2.717	ng	96
71) Phenanthrene	11.098	178	454675	35.842	ng	99
72) Anthracene	11.151	178	173003	13.666	ng	99
73) Carbazole	11.316	167	133815	11.449	ng	99
75) Fluoranthene	12.286	202	755404	58.903	ng	100
77) Benzidine	12.651	184	4181	Below Cal		# 85
78) Pyrene	12.510	202	618795	31.987	ng	99
80) Butylbenzylphthalate	13.133	149	33134	4.317	ng	97
81) Benzo(a)anthracene	13.698	228	461839	29.991	ng	98
83) Chrysene	13.733	228	420738	28.198	ng	98
84) Bis(2-ethylhexyl)phtha...	13.686	149	46143	5.075	ng	99
85) Di-n-octyl phthalate	14.298	149	36774	3.068	ng	# 85
87) Indeno(1,2,3-cd)pyrene	16.386	276	150966	9.412	ng	98
88) Benzo(b)fluoranthene	14.710	252	647050	43.451	ng	# 96
89) Benzo(k)fluoranthene	14.710	252	647050	43.250	ng	98
90) Benzo(a)pyrene	15.033	252	284597	23.795	ng	99
91) Dibenzo(a,h)anthracene	16.386	278	39730	2.998	ng	# 80
92) Benzo(g,h,i)perylene	16.774	276	125873	9.469	ng	94

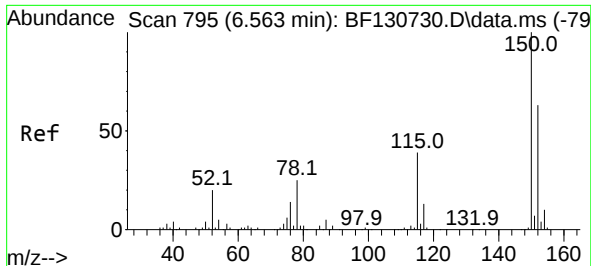
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102422\
Data File : BF130762.D
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Quant Time: Oct 24 23:23:16 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

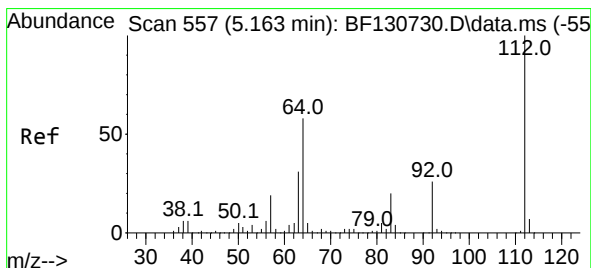
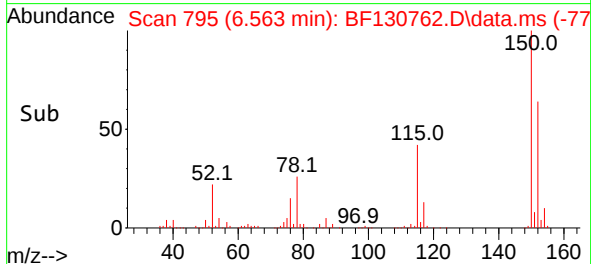
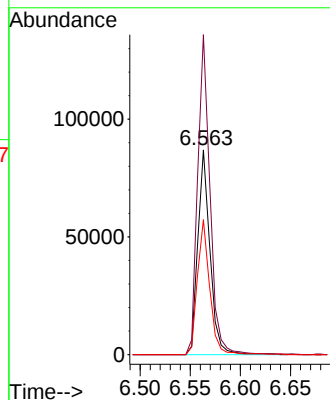
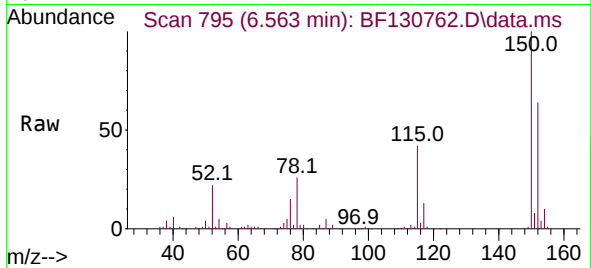




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

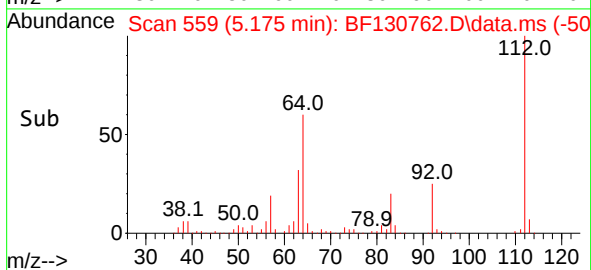
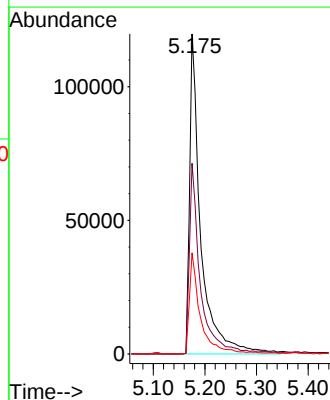
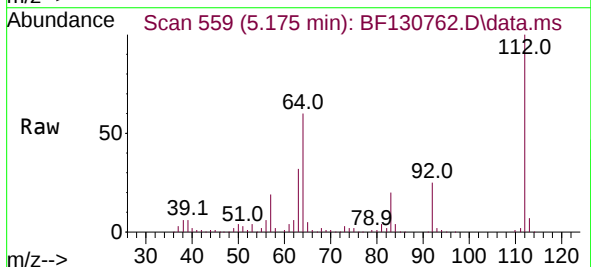
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BNA_F
ClientSampleId :
LRH-COMP-1DL

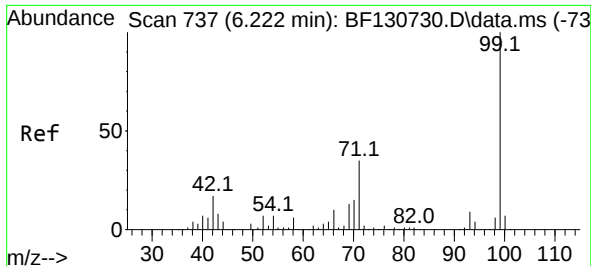
Tgt Ion:152 Resp: 73524
Ion Ratio Lower Upper
152 100
150 156.3 127.0 190.6
115 65.9 49.9 74.9



#5
2-Fluorophenol
Concen: 42.085 ng
RT: 5.175 min Scan# 559
Delta R.T. 0.012 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

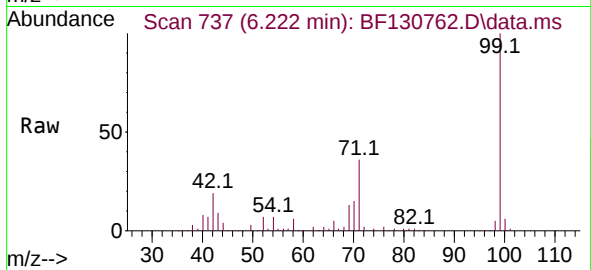
Tgt Ion:112 Resp: 179438
Ion Ratio Lower Upper
112 100
64 59.6 46.2 69.4
63 31.6 25.1 37.7



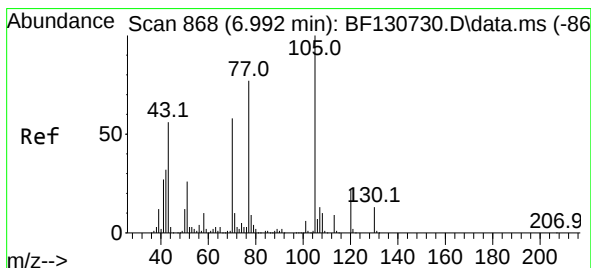
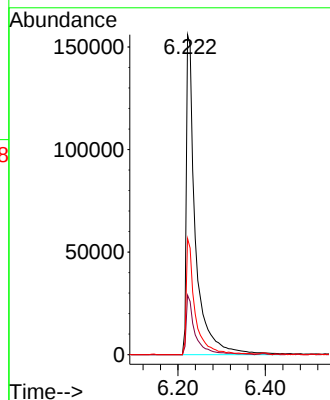
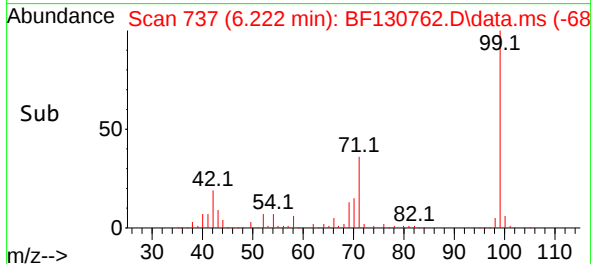


#7
Phenol-d6
Concen: 44.265 ng
RT: 6.222 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

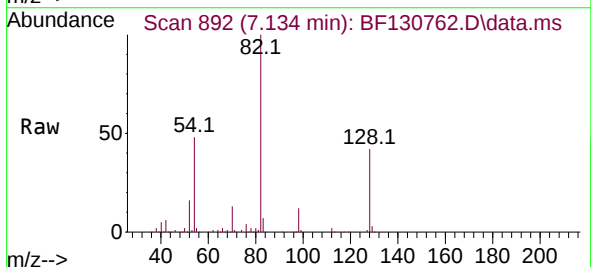
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL



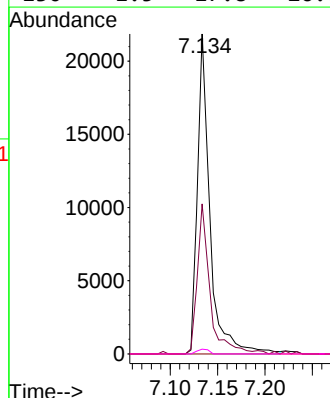
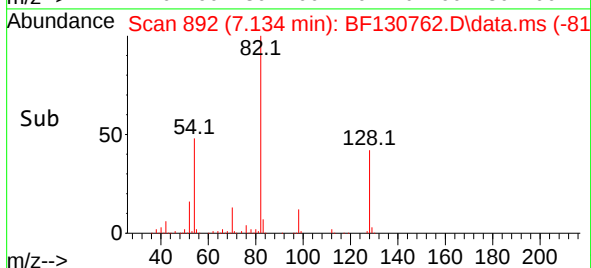
Tgt Ion: 99 Resp: 228354
Ion Ratio Lower Upper
99 100
42 18.6 13.8 20.8
71 36.3 28.3 42.5

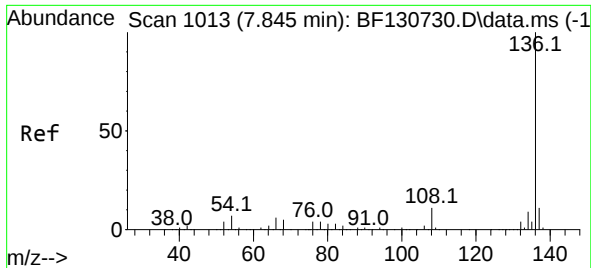


#19
n-Nitroso-di-n-propylamine
Concen: 5.729 ng
RT: 7.134 min Scan# 892
Delta R.T. 0.141 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29



Tgt Ion: 70 Resp: 19971
Ion Ratio Lower Upper
70 100
42 46.9 44.1 66.1
101 0.0 8.3 12.5#
130 1.5 17.8 26.6#



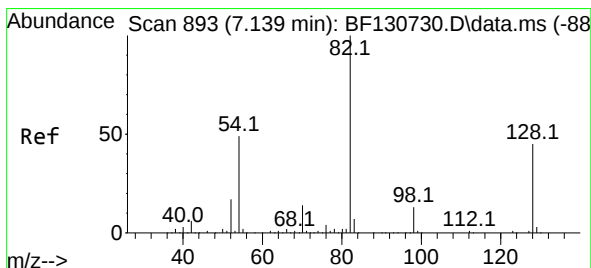
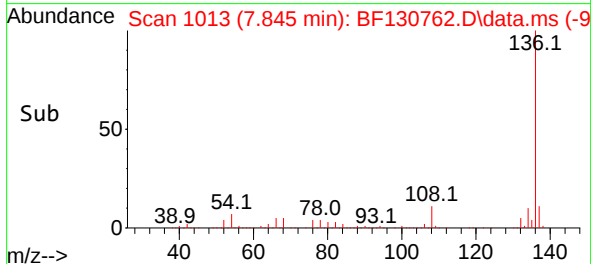
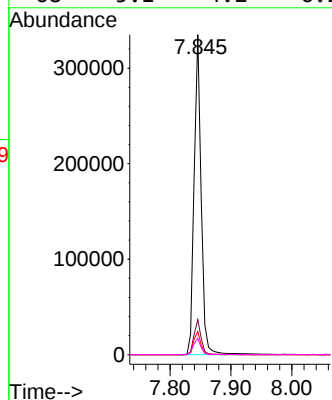
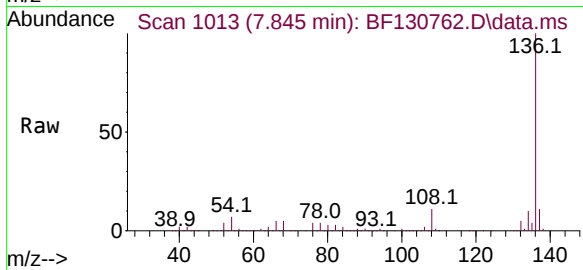


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL

Tgt Ion:136 Resp: 269222

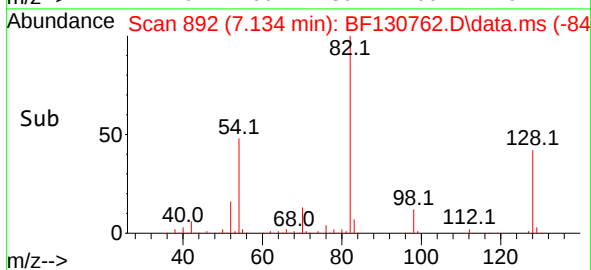
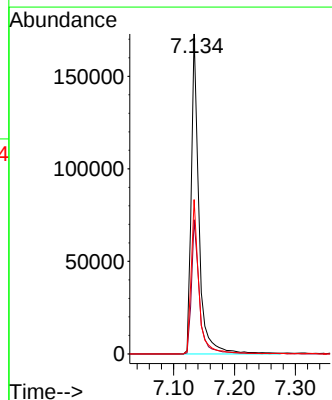
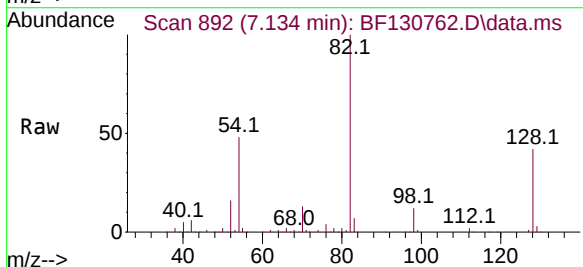
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	7.2	5.8	8.8
68	5.1	4.2	6.2

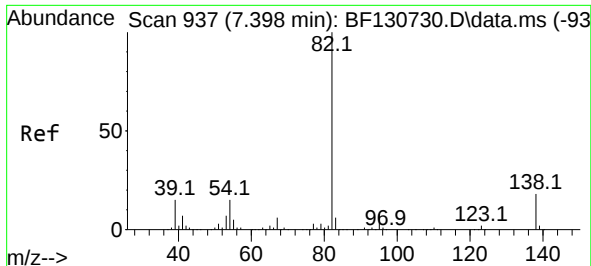


#23
Nitrobenzene-d5
Concen: 29.885 ng
RT: 7.134 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

Tgt Ion: 82 Resp: 151671

Ion	Ratio	Lower	Upper
82	100		
128	41.9	35.9	53.9
54	48.2	39.2	58.8

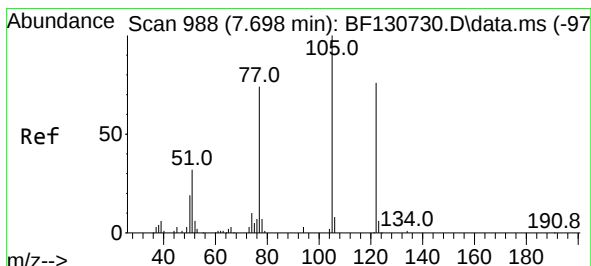
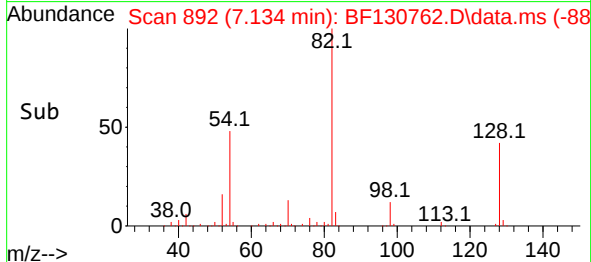
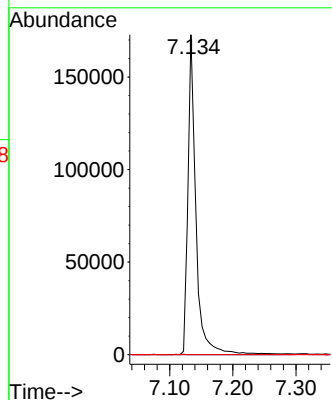
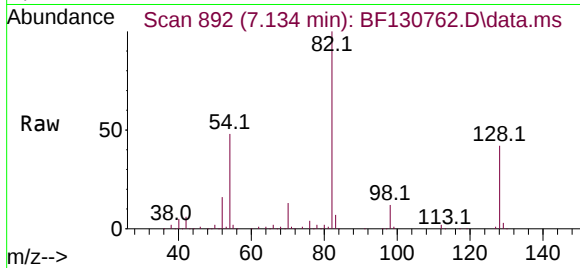




#25
Isophorone
Concen: 18.138 ng
RT: 7.134 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

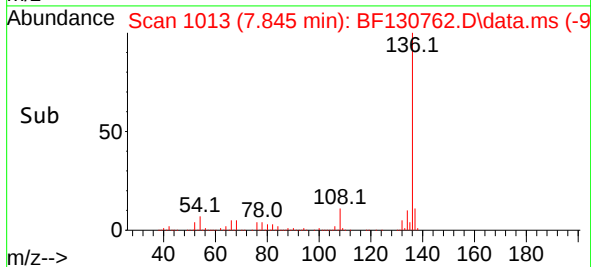
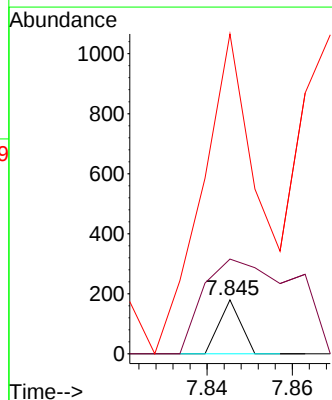
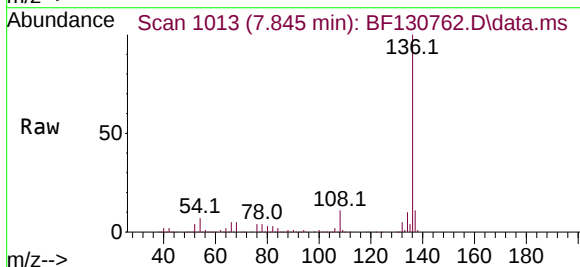
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL

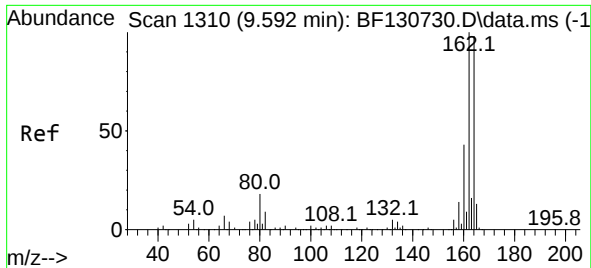
Tgt Ion: 82 Resp: 151670
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 6.036 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.147 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

Tgt Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 175.6 109.2 149.2#
77 592.2 75.7 115.7#

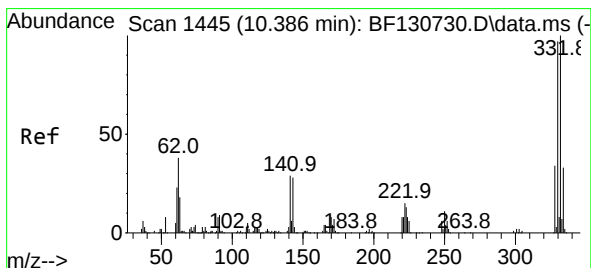
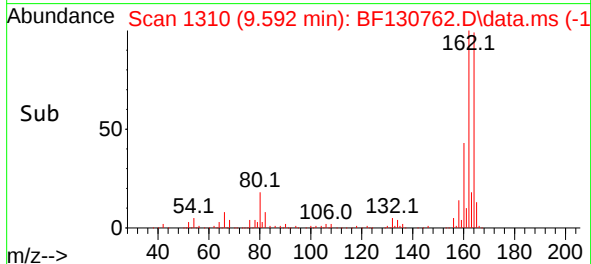
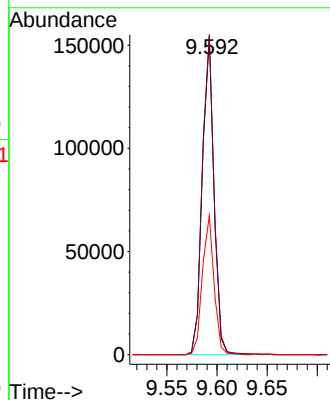
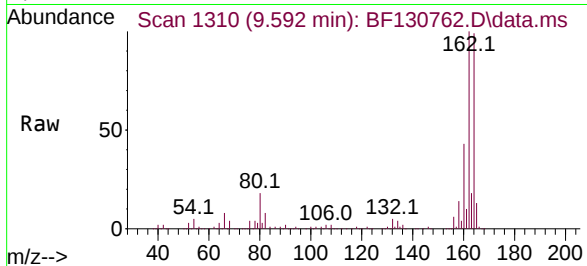




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.592 min Scan# 1310
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

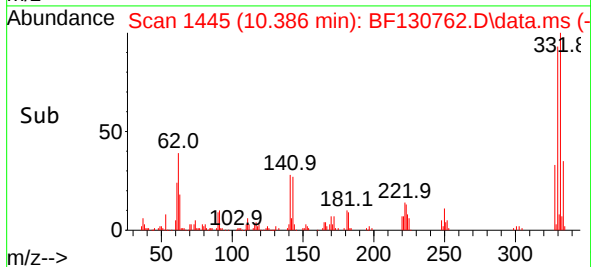
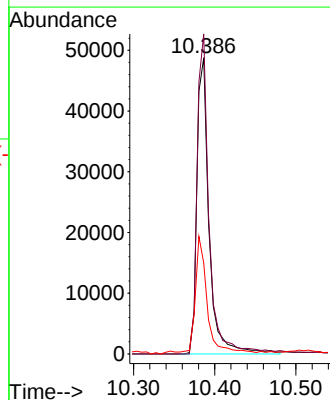
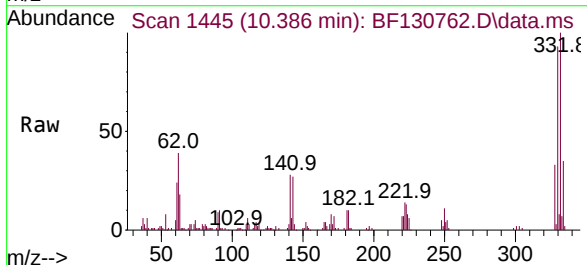
Instrument :
BNA_F
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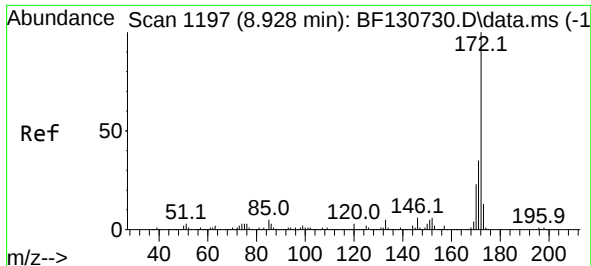
Tgt Ion:164 Resp: 123663
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 43.8 35.0 52.4



#42
2,4,6-Tribromophenol
Concen: 43.110 ng
RT: 10.386 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

Tgt Ion:330 Resp: 50699
Ion Ratio Lower Upper
330 100
332 108.2 81.4 122.2
141 37.1 24.6 37.0#





#45

2-Fluorobiphenyl

Concen: 31.237 ng

RT: 8.922 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF130762.D

Acq: 24 Oct 2022 15:29

Instrument :

BNA_F

ClientSampleId :

LRH-COMP-1DL

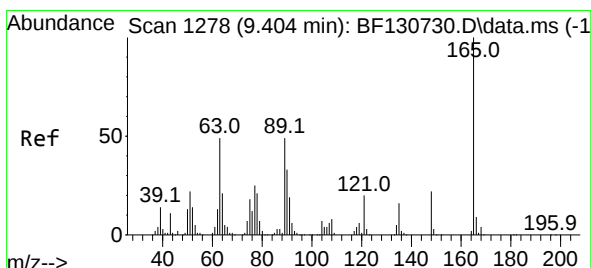
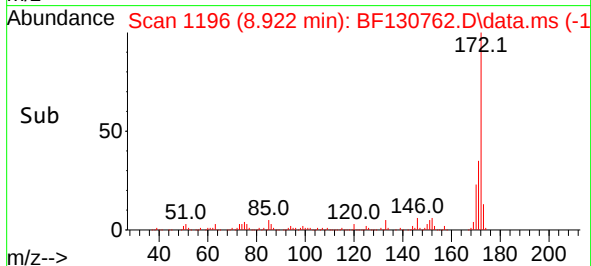
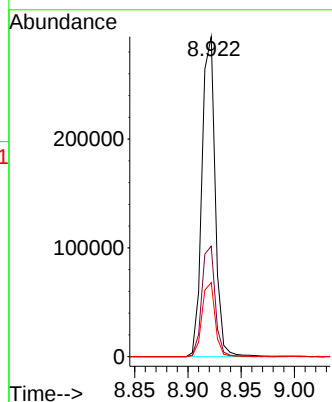
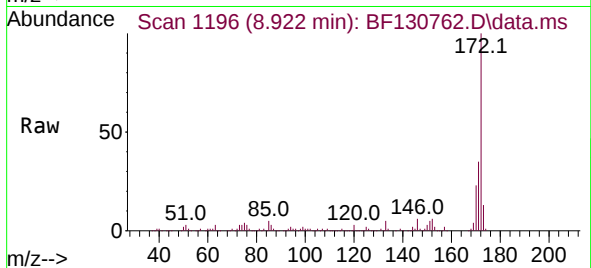
Tgt Ion:172 Resp: 253477

Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.2

170 23.1 18.5 27.7



#51

2,6-Dinitrotoluene

Concen: 8.992 ng

RT: 9.592 min Scan# 1310

Delta R.T. 0.188 min

Lab File: BF130762.D

Acq: 24 Oct 2022 15:29

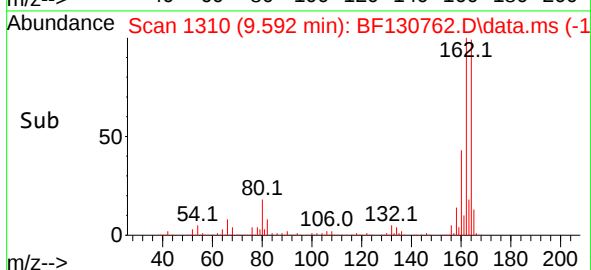
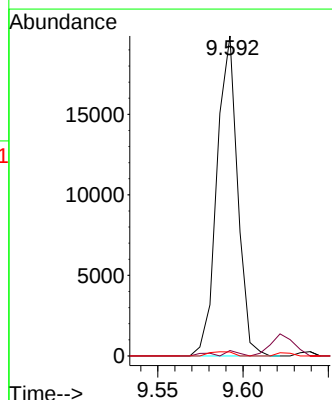
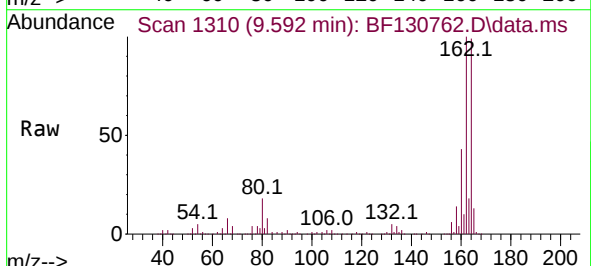
Tgt Ion:165 Resp: 16750

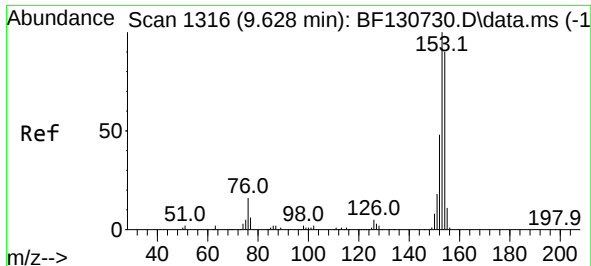
Ion Ratio Lower Upper

165 100

63 1.7 38.8 58.2#

89 1.2 39.4 59.2#

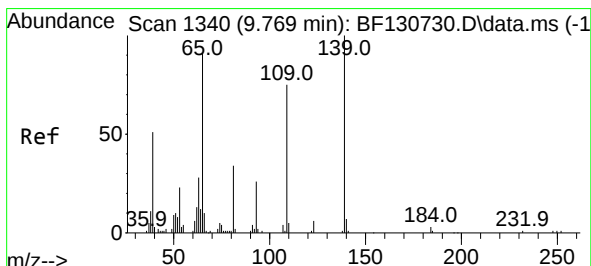
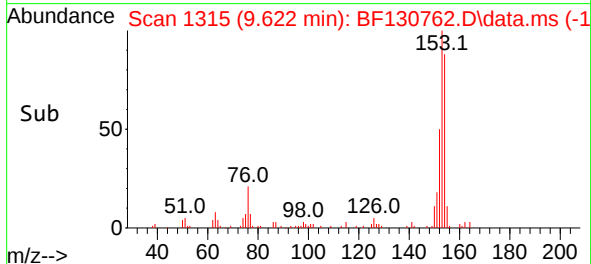
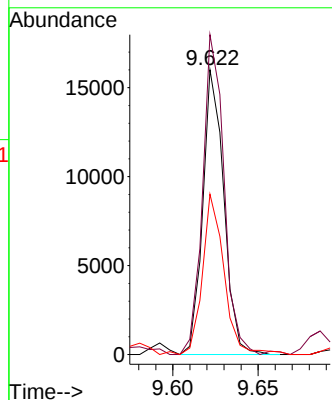
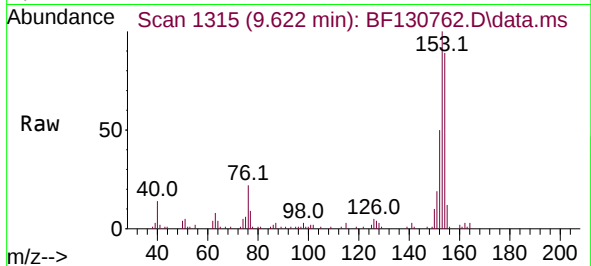




#52
Acenaphthene
Concen: 2.090 ng
RT: 9.622 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

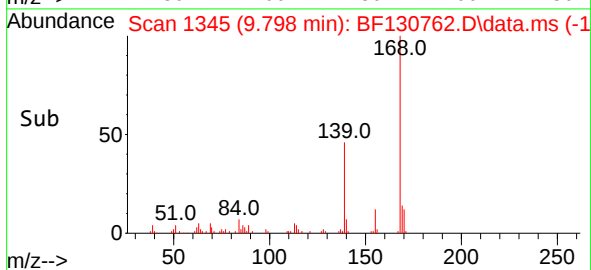
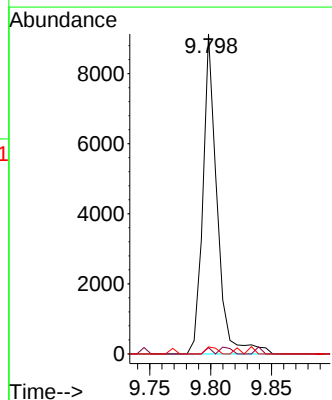
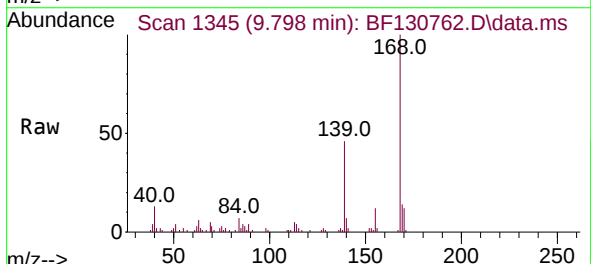
Instrument :
BNA_F
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LRH-COMP-1DL

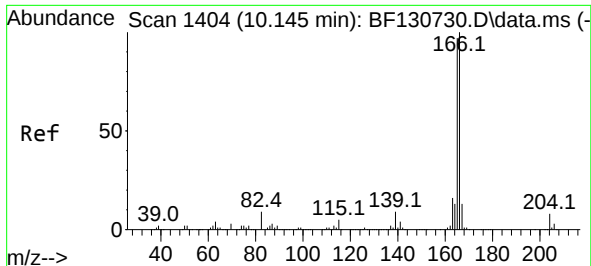
Tgt Ion:154 Resp: 13729
Ion Ratio Lower Upper
154 100
153 112.3 88.4 132.6
152 56.3 42.0 63.0



#56
4-Nitrophenol
Concen: 21.617 ng
RT: 9.798 min Scan# 1345
Delta R.T. 0.029 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

Tgt Ion:139 Resp: 7392
Ion Ratio Lower Upper
139 100
109 2.0 55.1 95.1#
65 2.2 72.2 112.2#

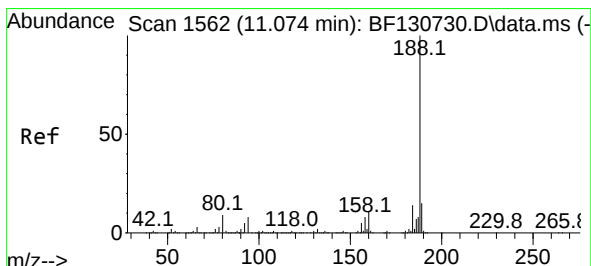
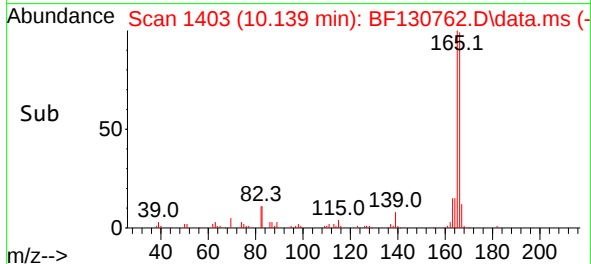
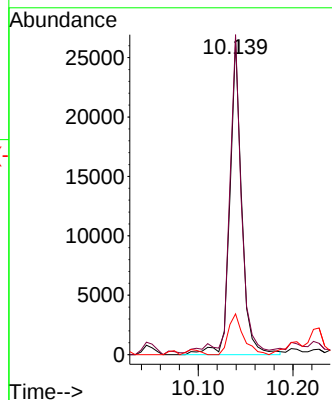
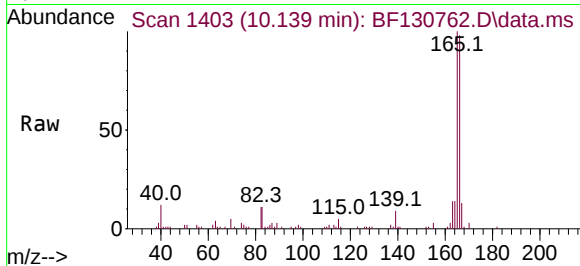




#58
Fluorene
Concen: 2.717 ng
RT: 10.139 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

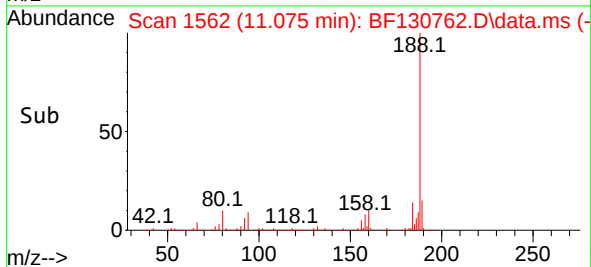
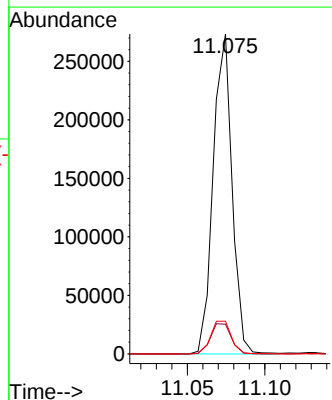
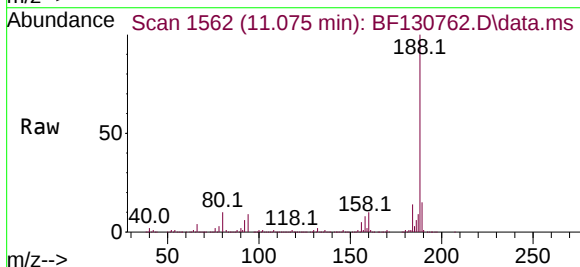
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL

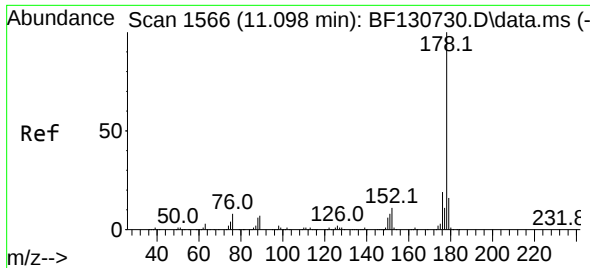
Tgt Ion:166 Resp: 22847
Ion Ratio Lower Upper
166 100
165 101.8 77.6 116.4
167 12.9 10.3 15.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.075 min Scan# 1562
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

Tgt Ion:188 Resp: 231330
Ion Ratio Lower Upper
188 100
94 9.3 6.7 10.1
80 10.2 7.4 11.0

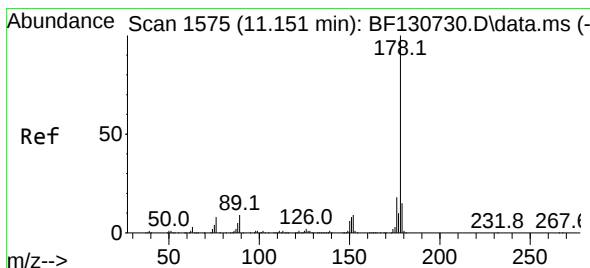
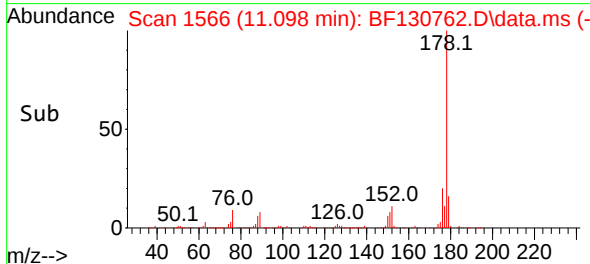
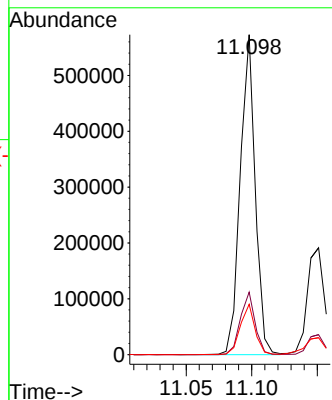
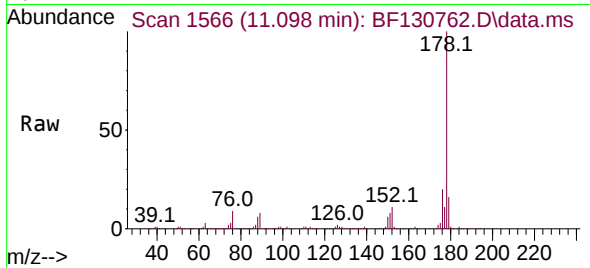




#71
Phenanthrene
Concen: 35.842 ng
RT: 11.098 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

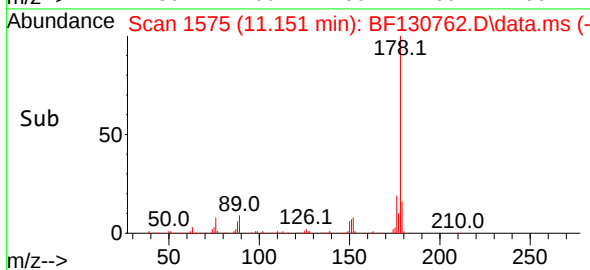
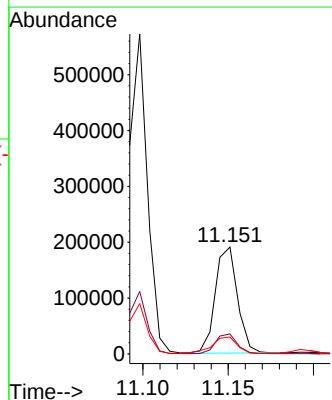
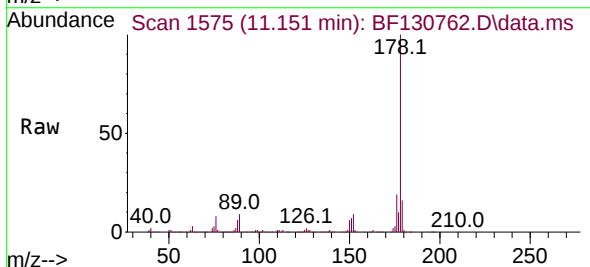
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL

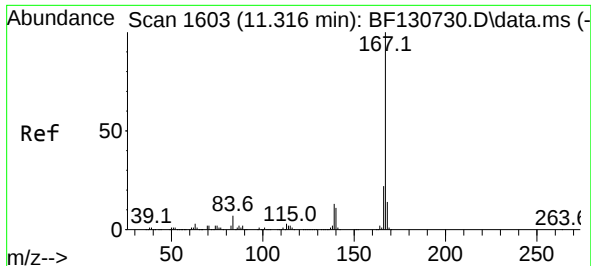
Tgt Ion:178 Resp: 454675
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.7 12.4 18.6



#72
Anthracene
Concen: 13.666 ng
RT: 11.151 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

Tgt Ion:178 Resp: 173003
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.8 12.4 18.6

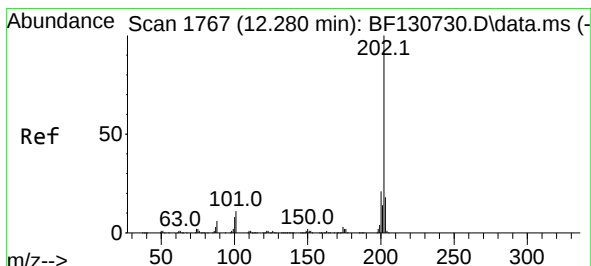
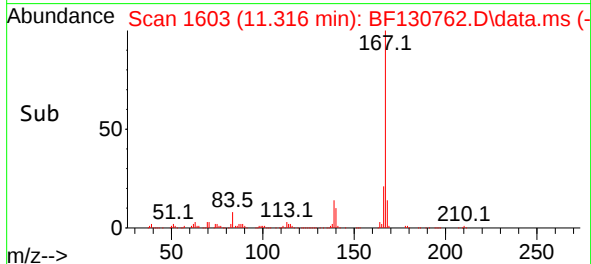
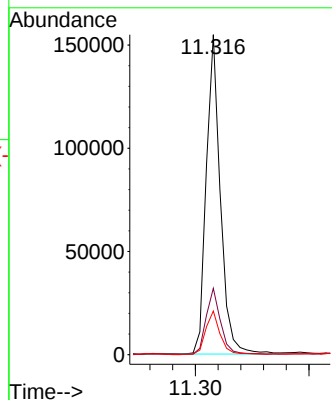
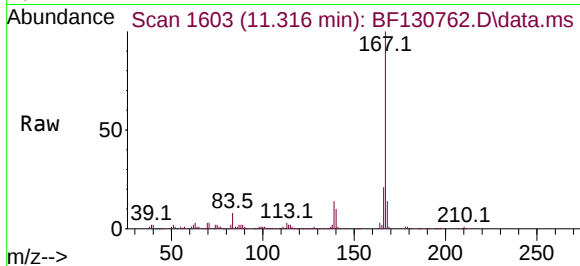




#73
 Carbazole
 Concen: 11.449 ng
 RT: 11.316 min Scan# 1603
 Delta R.T. 0.000 min
 Lab File: BF130762.D
 Acq: 24 Oct 2022 15:29

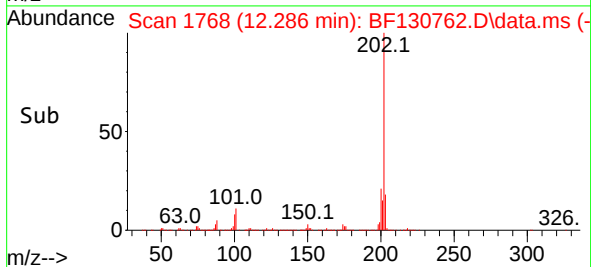
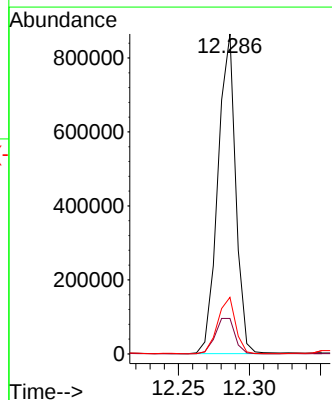
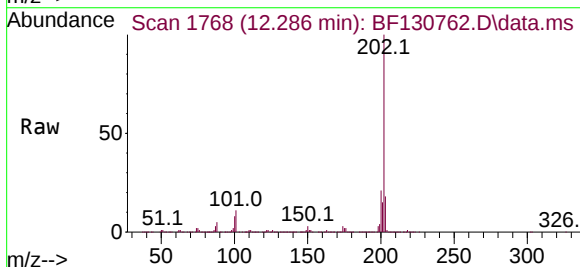
Instrument :
 BNA_F
 ClientSampleId :
 LRH-COMP-1DL

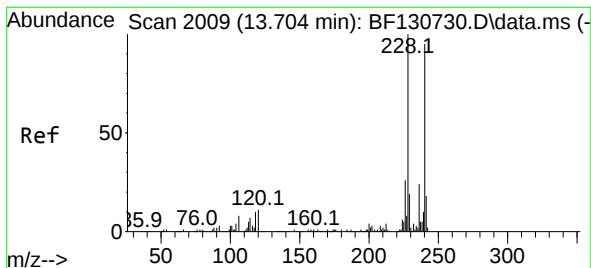
Tgt Ion:167 Resp: 133815
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.3 25.9
 139 13.6 10.7 16.1



#75
 Fluoranthene
 Concen: 58.903 ng
 RT: 12.286 min Scan# 1768
 Delta R.T. 0.006 min
 Lab File: BF130762.D
 Acq: 24 Oct 2022 15:29

Tgt Ion:202 Resp: 755404
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.0
 203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.710 min Scan# 2009

Delta R.T. 0.006 min

Lab File: BF130762.D

Acq: 24 Oct 2022 15:29

Instrument :

BNA_F

ClientSampleId :

LRH-COMP-1DL

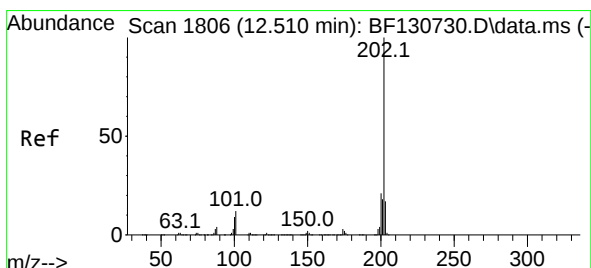
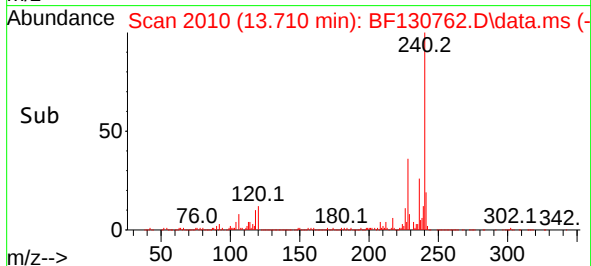
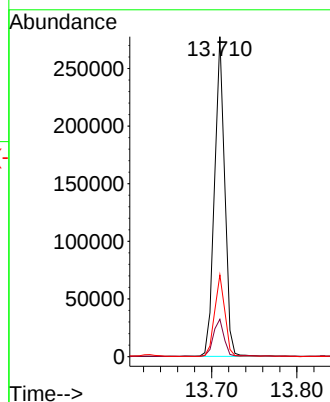
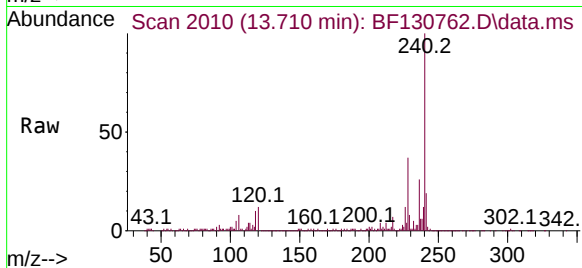
Tgt Ion:240 Resp: 230467

Ion Ratio Lower Upper

240 100

120 11.7 9.6 14.4

236 25.6 20.2 30.2



#78

Pyrene

Concen: 31.987 ng

RT: 12.510 min Scan# 1806

Delta R.T. 0.000 min

Lab File: BF130762.D

Acq: 24 Oct 2022 15:29

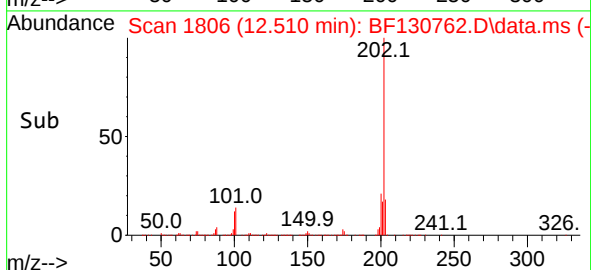
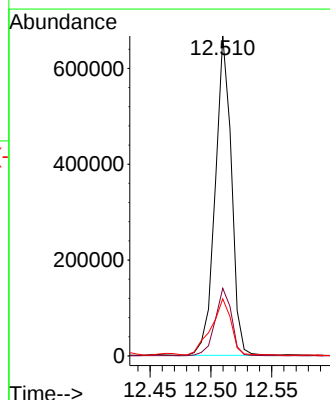
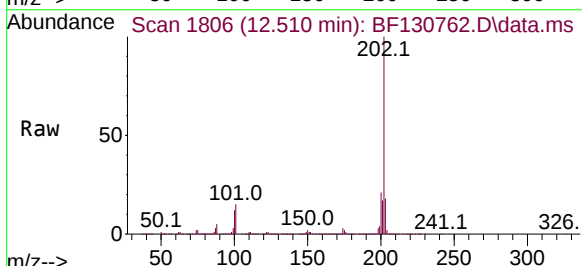
Tgt Ion:202 Resp: 618795

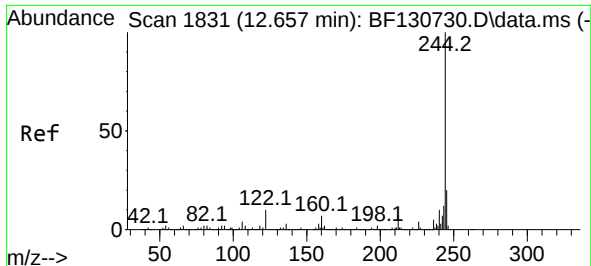
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 17.8 13.8 20.8

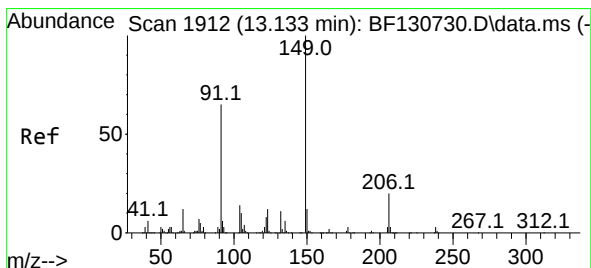
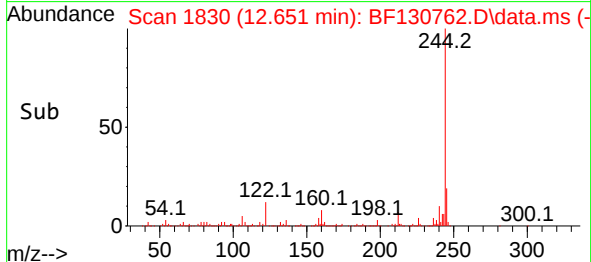
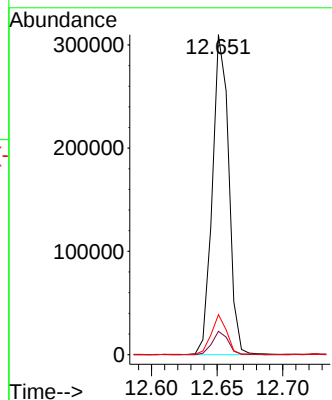
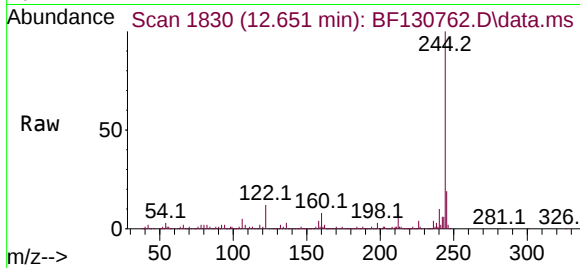




#79
 Terphenyl-d14
 Concen: 19.725 ng
 RT: 12.651 min Scan# 1831
 Delta R.T. -0.006 min
 Lab File: BF130762.D
 Acq: 24 Oct 2022 15:29

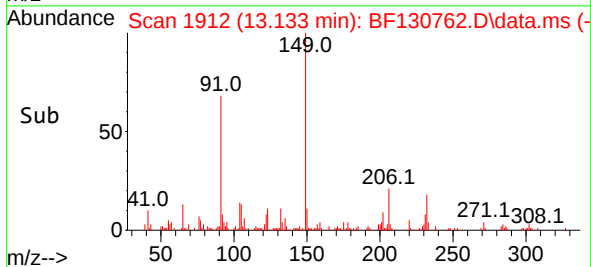
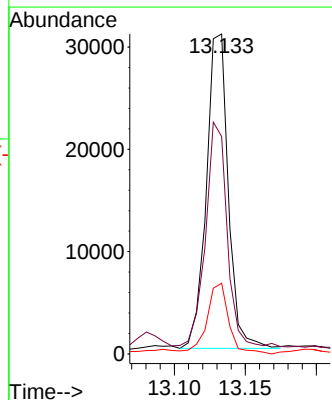
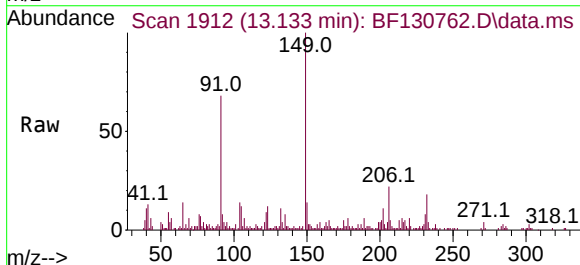
Instrument :
 BNA_F
 ClientSampleId :
 LRH-COMP-1DL

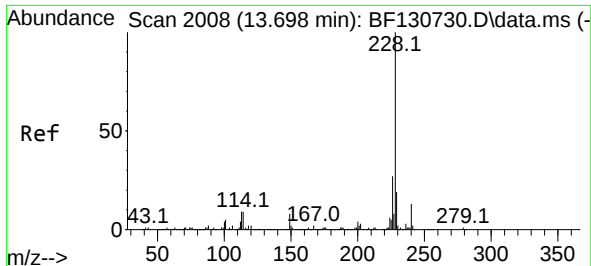
Tgt Ion:244 Resp: 269754
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 12.5 8.2 12.4#



#80
 Butylbenzylphthalate
 Concen: 4.317 ng
 RT: 13.133 min Scan# 1912
 Delta R.T. 0.000 min
 Lab File: BF130762.D
 Acq: 24 Oct 2022 15:29

Tgt Ion:149 Resp: 33134
 Ion Ratio Lower Upper
 149 100
 91 67.9 52.3 78.5
 206 22.1 16.3 24.5

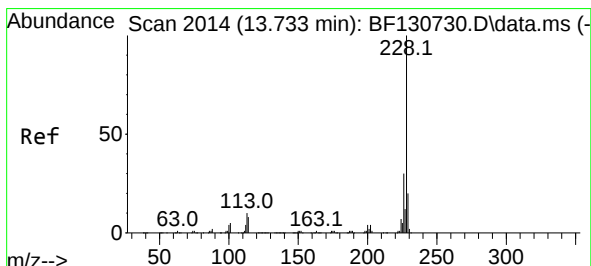
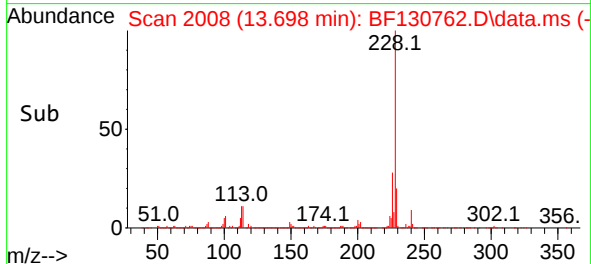
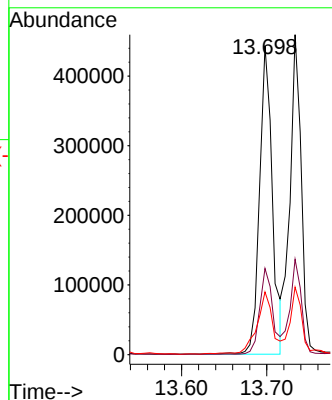
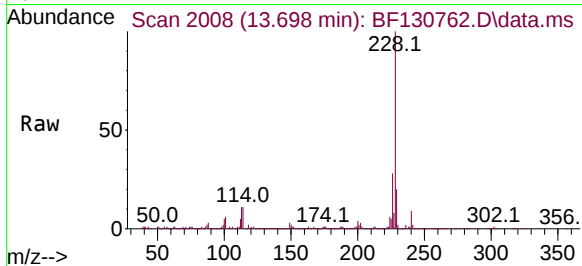




#81
Benzo(a)anthracene
Concen: 29.991 ng
RT: 13.698 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

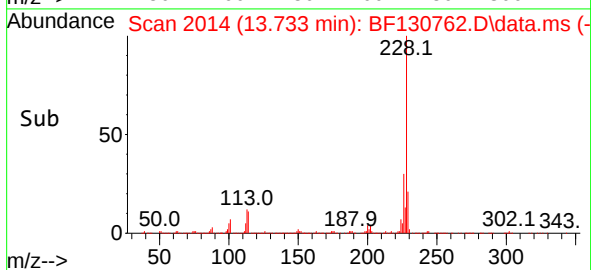
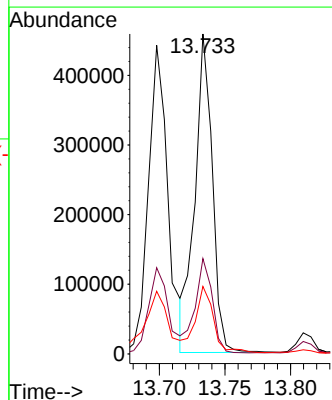
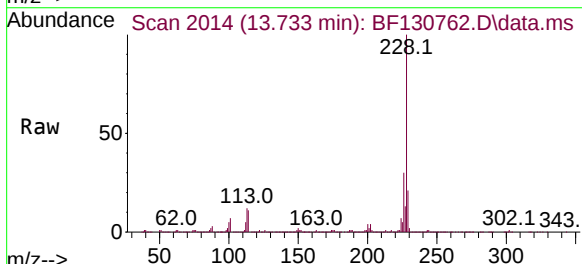
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL

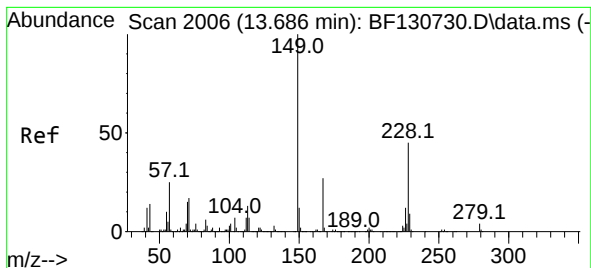
Tgt Ion:228 Resp: 461839
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.8
229 20.3 15.4 23.2



#83
Chrysene
Concen: 28.198 ng
RT: 13.733 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

Tgt Ion:228 Resp: 420738
Ion Ratio Lower Upper
228 100
226 29.8 23.6 35.4
229 21.1 15.8 23.6

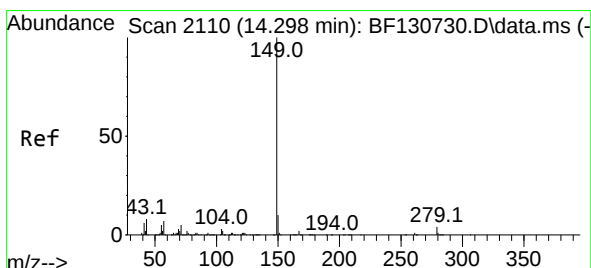
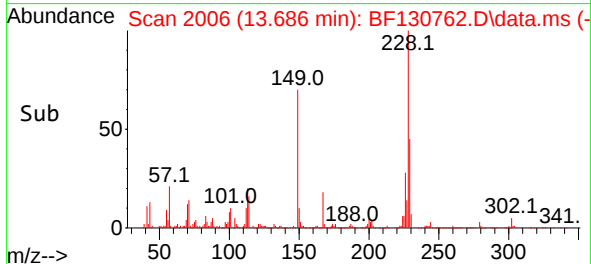
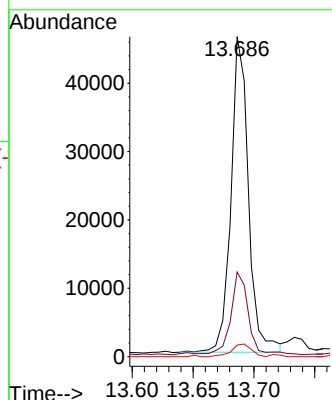
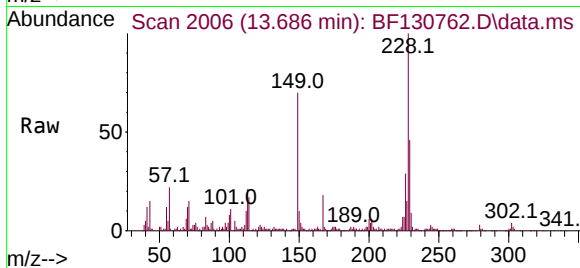




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.075 ng
RT: 13.686 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

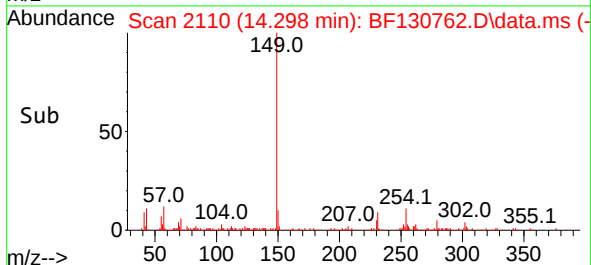
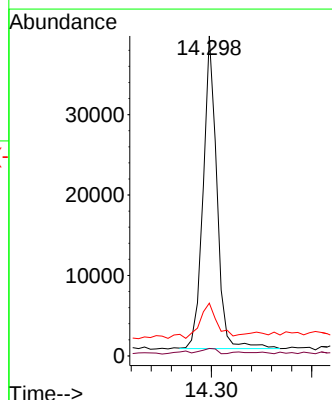
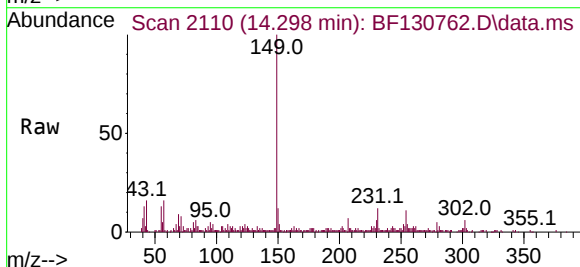
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL

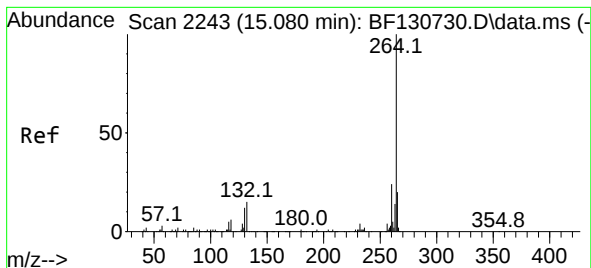
Tgt Ion:149 Resp: 46143
Ion Ratio Lower Upper
149 100
167 26.5 21.5 32.3
279 3.6 3.4 5.0



#85
Di-n-octyl phthalate
Concen: 3.068 ng
RT: 14.298 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

Tgt Ion:149 Resp: 36774
Ion Ratio Lower Upper
149 100
167 1.8 1.2 1.8
43 14.9 7.0 10.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.086 min Scan# 2243

Delta R.T. 0.006 min

Lab File: BF130762.D

Acq: 24 Oct 2022 15:29

Instrument :

BNA_F

ClientSampleId :

LRH-COMP-1DL

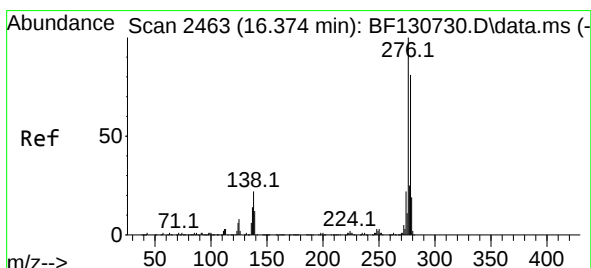
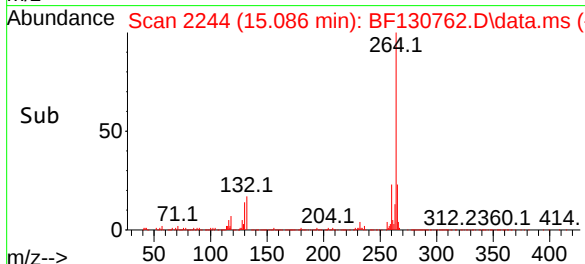
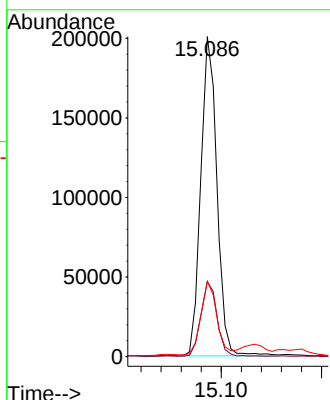
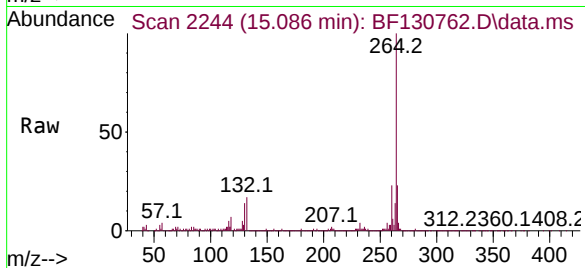
Tgt Ion:264 Resp: 223651

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 23.5 16.2 24.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.412 ng

RT: 16.386 min Scan# 2465

Delta R.T. 0.012 min

Lab File: BF130762.D

Acq: 24 Oct 2022 15:29

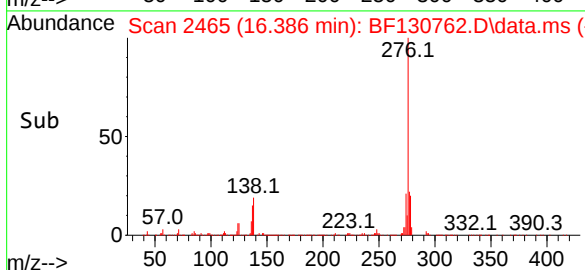
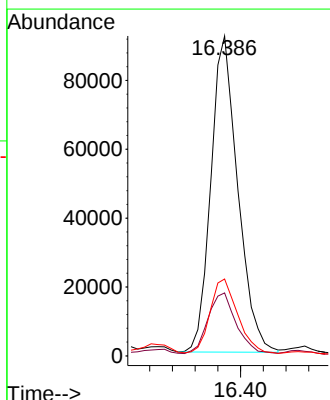
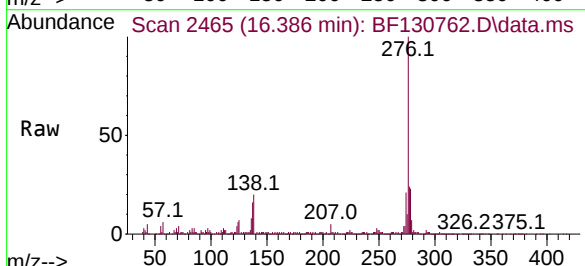
Tgt Ion:276 Resp: 150966

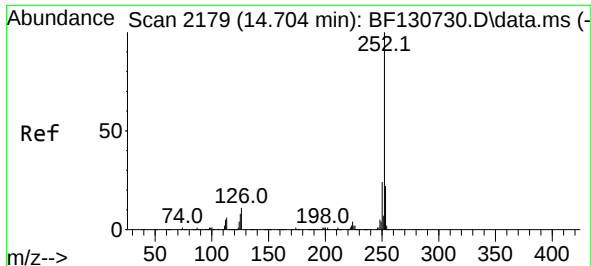
Ion Ratio Lower Upper

276 100

138 20.7 17.2 25.8

277 24.1 20.1 30.1

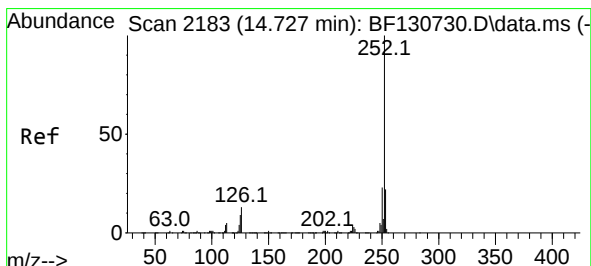
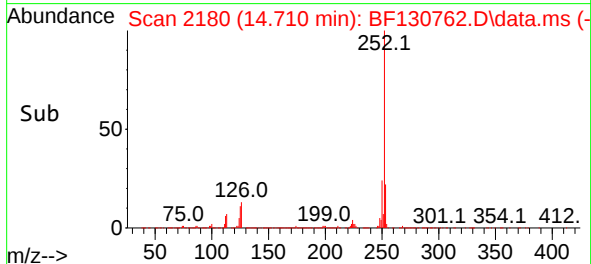
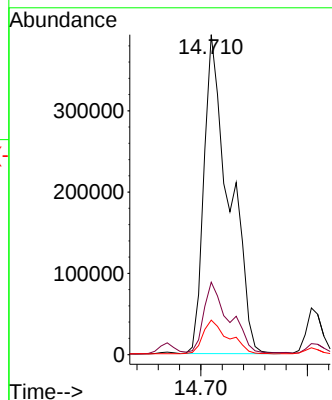
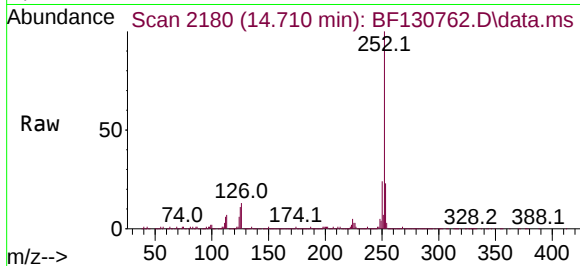




#88
Benzo(b)fluoranthene
Concen: 43.451 ng
RT: 14.710 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

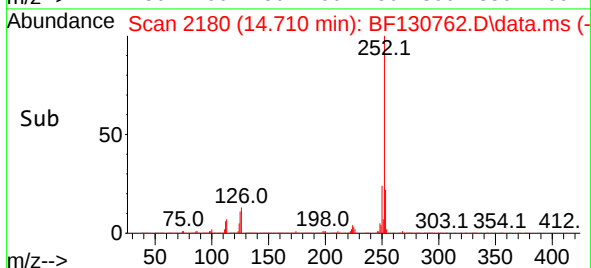
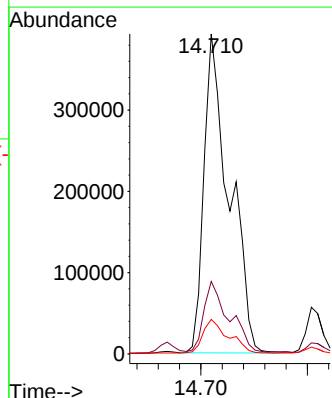
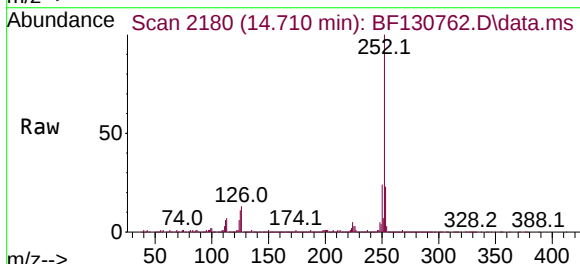
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL

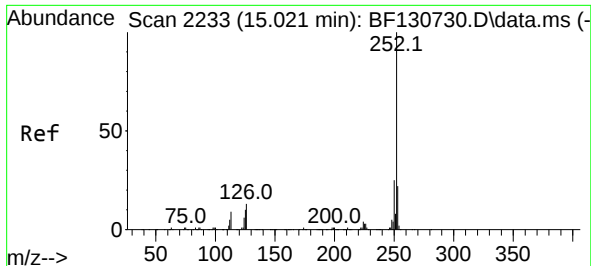
Tgt Ion:252 Resp: 647050
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 10.8 6.4 9.6#



#89
Benzo(k)fluoranthene
Concen: 43.250 ng
RT: 14.710 min Scan# 2180
Delta R.T. -0.018 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

Tgt Ion:252 Resp: 647050
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 10.8 7.2 10.8

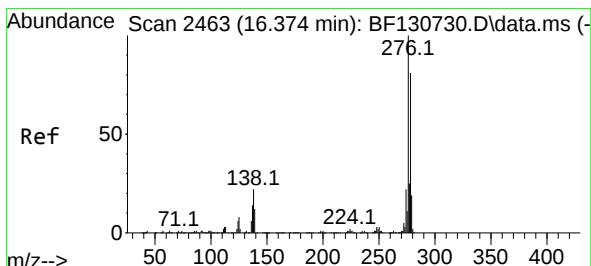
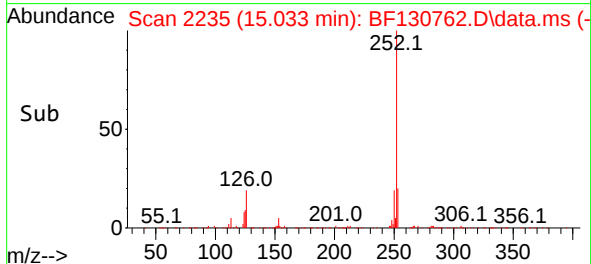
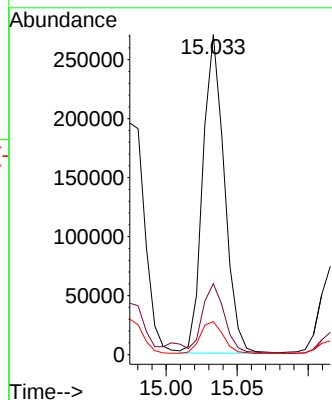
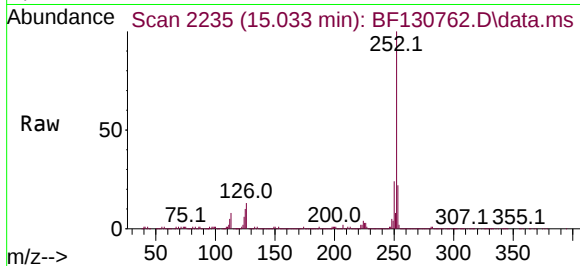




#90
Benzo(a)pyrene
Concen: 23.795 ng
RT: 15.033 min Scan# 2233
Delta R.T. 0.012 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

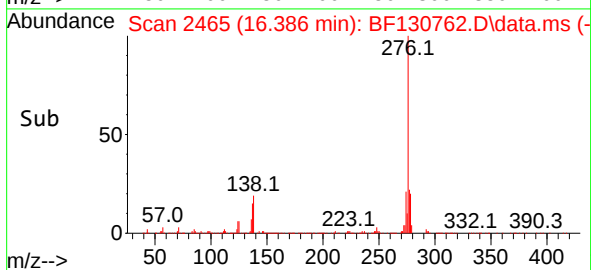
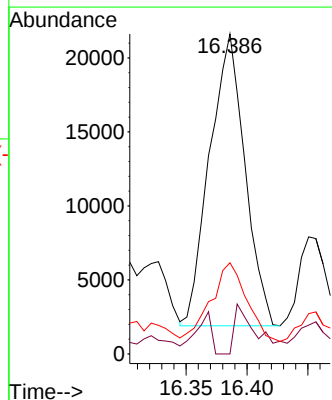
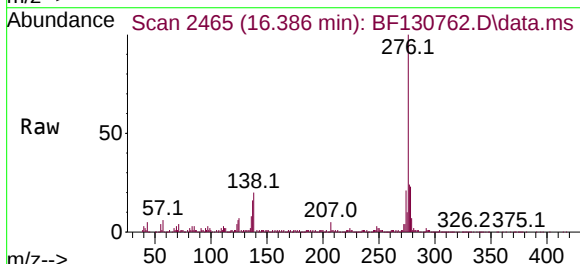
Instrument :
BNA_F
ClientSampleId :
LRH-COMP-1DL

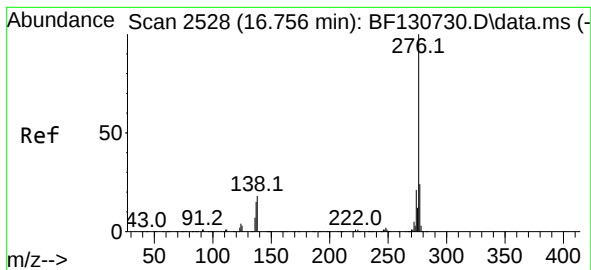
Tgt Ion:252 Resp: 284597
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 10.3 8.3 12.5



#91
Dibenzo(a,h)anthracene
Concen: 2.998 ng
RT: 16.386 min Scan# 2465
Delta R.T. 0.012 min
Lab File: BF130762.D
Acq: 24 Oct 2022 15:29

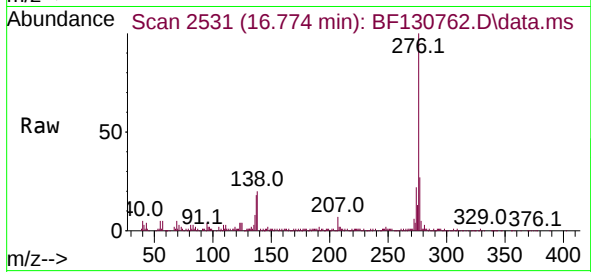
Tgt Ion:278 Resp: 39730
Ion Ratio Lower Upper
278 100
139 0.0 11.4 17.0#
279 28.5 18.4 27.6#





#92
 Benzo(g,h,i)perylene
 Concen: 9.469 ng
 RT: 16.774 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF130762.D
 Acq: 24 Oct 2022 15:29

Instrument :
 BNA_F
 ClientSampleId :
 LRH-COMP-1DL



Tgt Ion:276 Resp: 125873
 Ion Ratio Lower Upper
 276 100
 277 26.9 19.1 28.7
 138 19.8 14.2 21.2

