

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
 Data File : BF130747.D
 Acq On : 21 Oct 2022 16:16
 Operator : CG\JU
 Sample : NS171-01RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-101722

Quant Time: Oct 21 18:18:27 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)

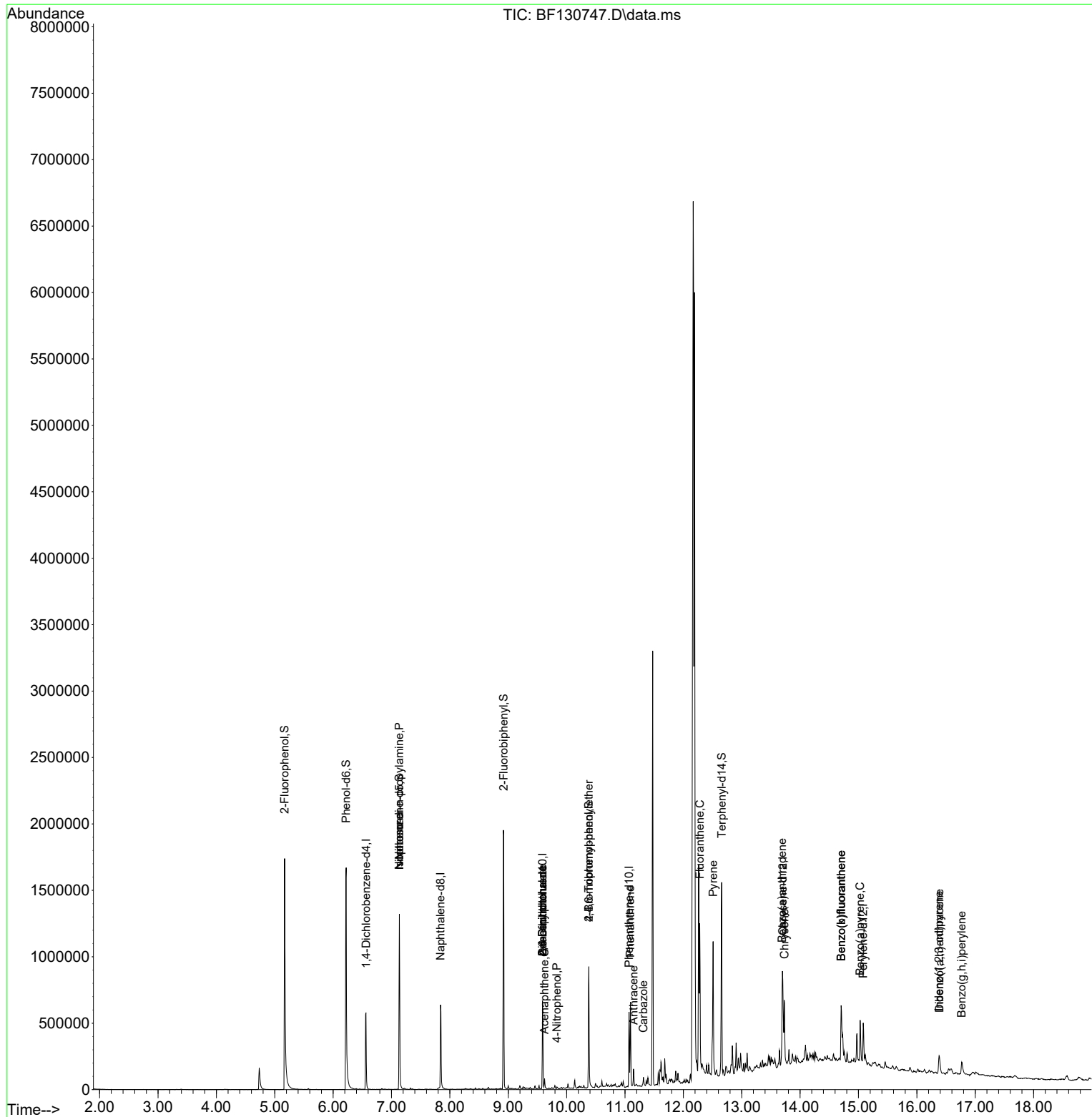
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	94508	20.000	ng	0.00
21) Naphthalene-d8	7.840	136	287033	20.000	ng	0.00
39) Acenaphthene-d10	9.586	164	130876	20.000	ng	0.00
64) Phenanthrene-d10	11.069	188	185238	20.000	ng	0.00
76) Chrysene-d12	13.704	240	147452	20.000	ng	0.00
86) Perylene-d12	15.080	264	116595	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.169	112	570984	104.182	ng	0.00
7) Phenol-d6	6.222	99	689721	104.013	ng	0.00
23) Nitrobenzene-d5	7.134	82	406786	75.180	ng	0.00
42) 2,4,6-Tribromophenol	10.381	330	115554	92.842	ng	0.00
45) 2-Fluorobiphenyl	8.922	172	630368	73.401	ng	0.00
79) Terphenyl-d14	12.657	244	503035	57.490	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.134	70	52973	11.822	ng	# 76
25) Isophorone	7.134	82	406786	45.630	ng	# 65
50) Dimethylphthalate	9.586	163	25105	2.852	ng	# 1
51) 2,6-Dinitrotoluene	9.586	165	17052	8.650	ng	# 31
52) Acenaphthene	9.622	154	14568	2.095	ng	96
56) 4-Nitrophenol	9.833	139	162	4.951	ng	91
57) 2,4-Dinitrotoluene	9.586	165	17052	6.421	ng	# 29
67) 4-Bromophenyl-phenylether	10.381	248	6606	2.965	ng	# 1
71) Phenanthrene	11.092	178	216141	21.278	ng	100
72) Anthracene	11.145	178	49607	4.894	ng	99
73) Carbazole	11.316	167	20996	2.243	ng	99
75) Fluoranthene	12.280	202	424640	41.351	ng	99
77) Benzidine	12.657	184	7841	Below Cal		96
78) Pyrene	12.510	202	388707	31.406	ng	99
81) Benzo(a)anthracene	13.692	228	207746	21.086	ng	98
83) Chrysene	13.733	228	193816	20.303	ng	98
87) Indeno(1,2,3-cd)pyrene	16.380	276	82765	9.898	ng	97
88) Benzo(b)fluoranthene	14.704	252	293760	37.840	ng	# 96
89) Benzo(k)fluoranthene	14.704	252	293760	37.664	ng	97
90) Benzo(a)pyrene	15.027	252	148281	23.781	ng	99
91) Dibenzo(a,h)anthracene	16.386	278	19972	2.890	ng	# 84
92) Benzo(g,h,i)perylene	16.768	276	79173	11.425	ng	94

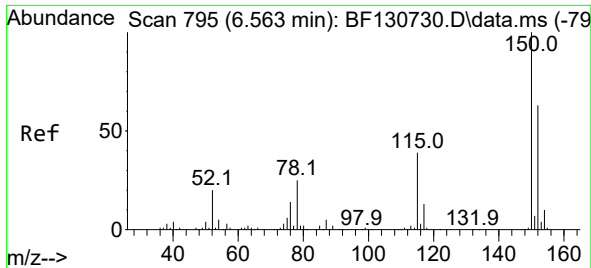
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
Data File : BF130747.D
Acq On : 21 Oct 2022 16:16
Operator : CG\JU
Sample : N5171-01RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-101722

Quant Time: Oct 21 18:18:27 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

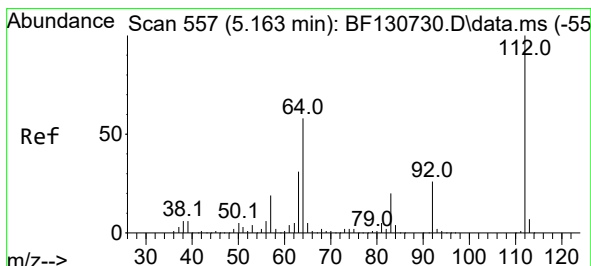
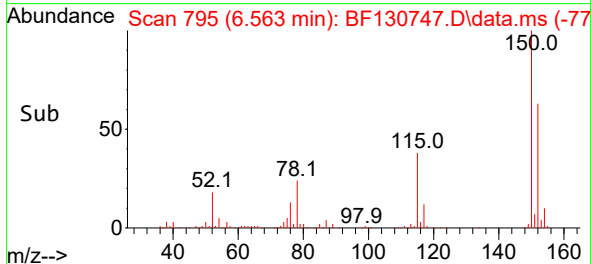
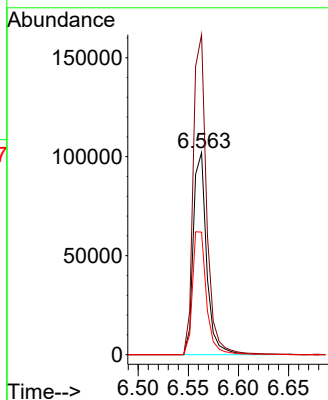
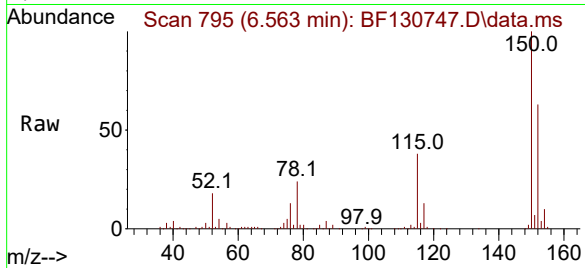




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

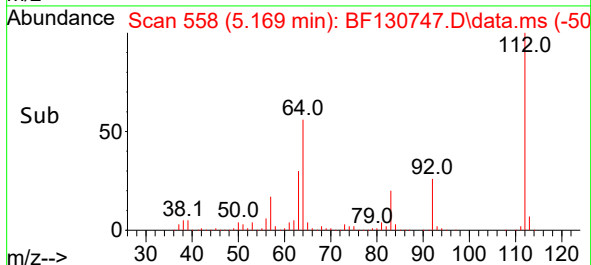
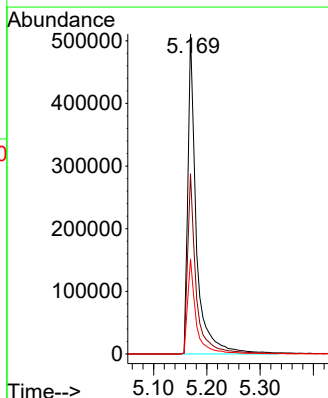
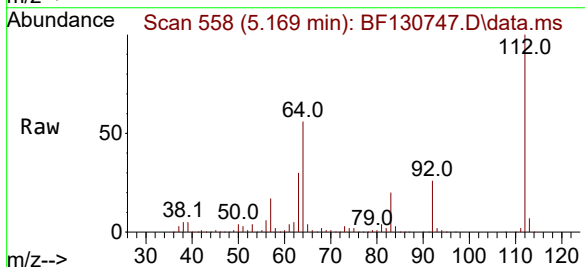
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

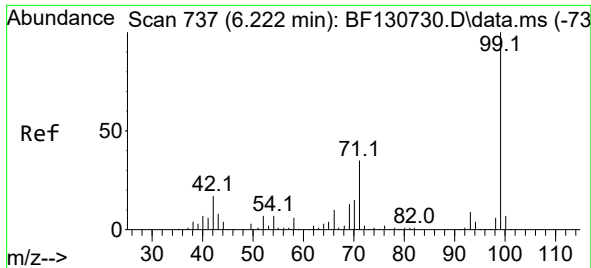
Tgt Ion:152 Resp: 94508
Ion Ratio Lower Upper
152 100
150 158.3 127.0 190.6
115 60.7 49.9 74.9



#5
2-Fluorophenol
Concen: 104.182 ng
RT: 5.169 min Scan# 558
Delta R.T. 0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Tgt Ion:112 Resp: 570984
Ion Ratio Lower Upper
112 100
64 56.3 46.2 69.4
63 29.7 25.1 37.7

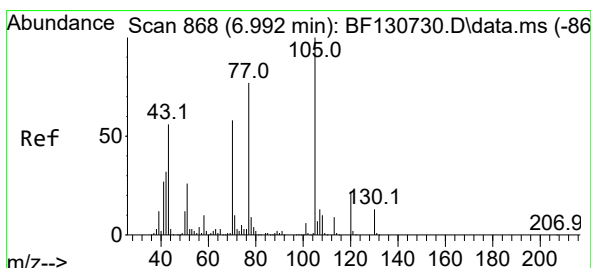
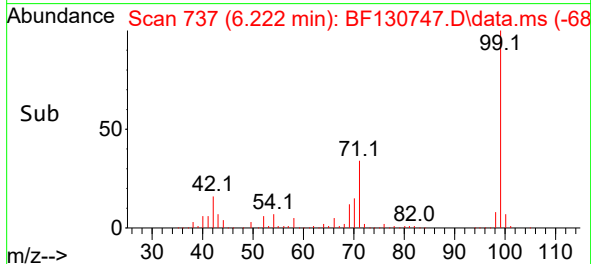
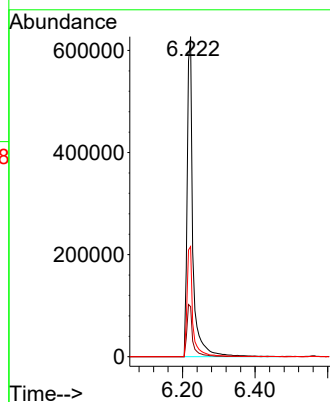
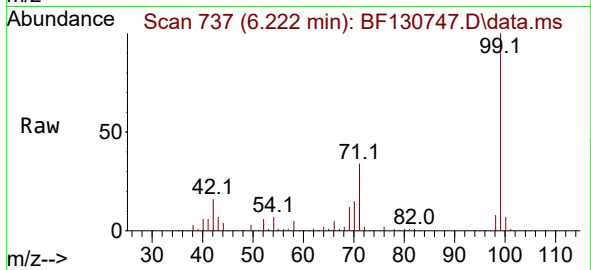




#7
Phenol-d6
Concen: 104.013 ng
RT: 6.222 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

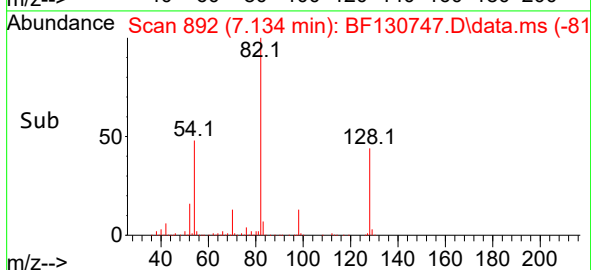
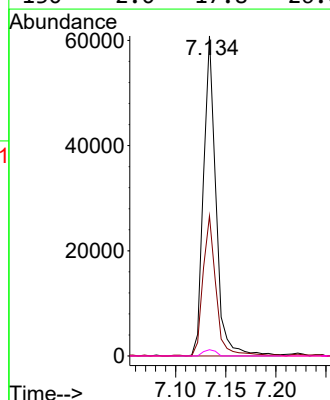
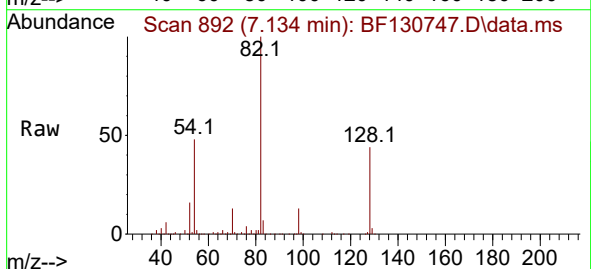
Instrument :
BNA_F
ClientSampleId :
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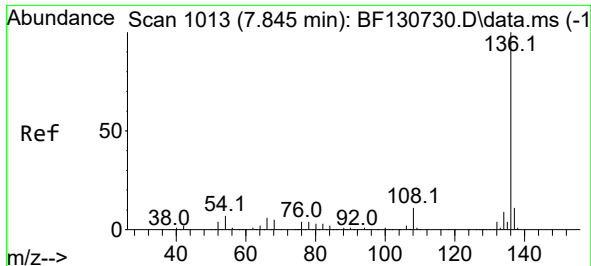
Tgt Ion: 99 Resp: 689721
Ion Ratio Lower Upper
99 100
42 15.7 13.8 20.8
71 34.4 28.3 42.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.822 ng
RT: 7.134 min Scan# 892
Delta R.T. 0.141 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

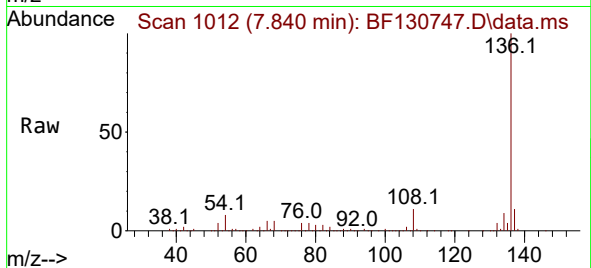
Tgt Ion: 70 Resp: 52973
Ion Ratio Lower Upper
70 100
42 43.7 44.1 66.1#
101 0.0 8.3 12.5#
130 2.0 17.8 26.6#



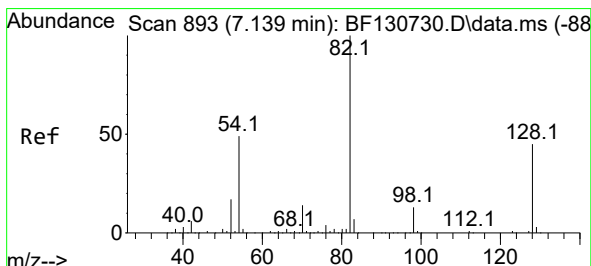
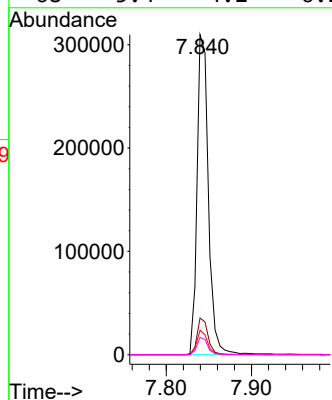
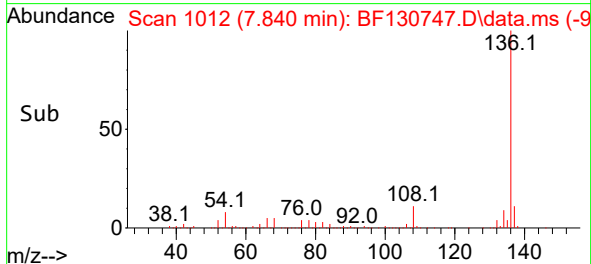


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.840 min Scan# 1013
Delta R.T. -0.005 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

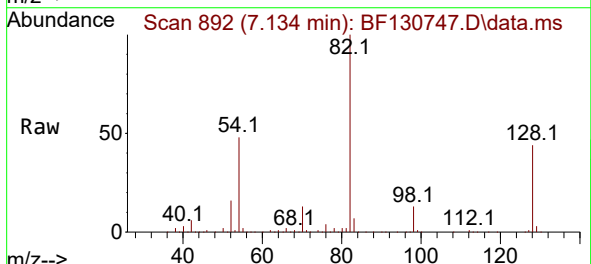
Instrument :
BNA_F
ClientSampleId :
NB-08-101722



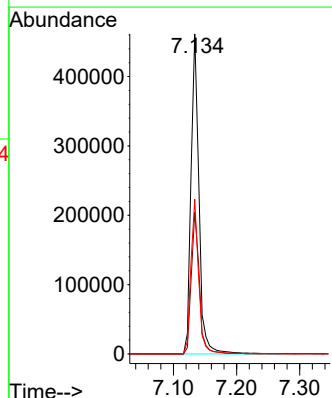
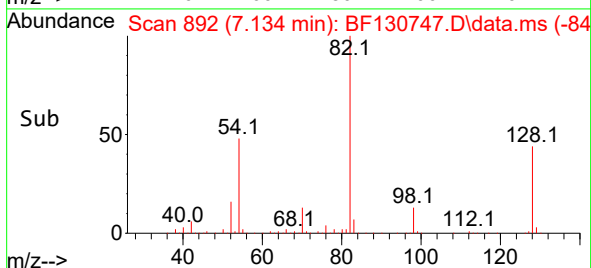
Tgt Ion:136 Resp: 287033
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 7.6 5.8 8.8
68 5.4 4.2 6.2

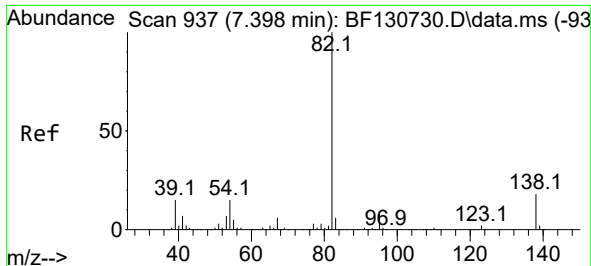


#23
Nitrobenzene-d5
Concen: 75.180 ng
RT: 7.134 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16



Tgt Ion: 82 Resp: 406786
Ion Ratio Lower Upper
82 100
128 44.2 35.9 53.9
54 48.3 39.2 58.8

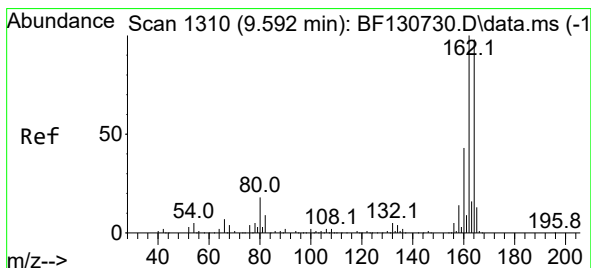
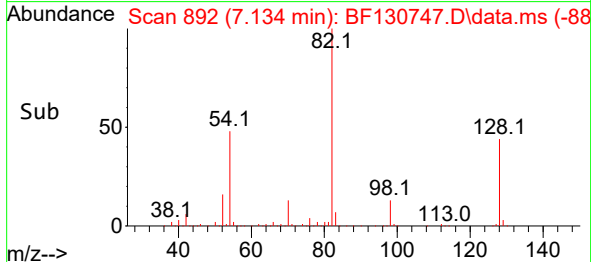
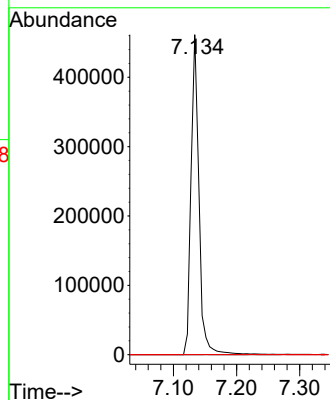
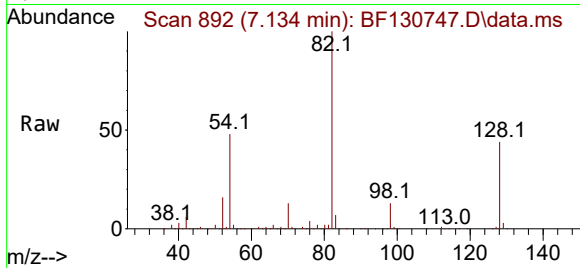




#25
Isophorone
Concen: 45.630 ng
RT: 7.134 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

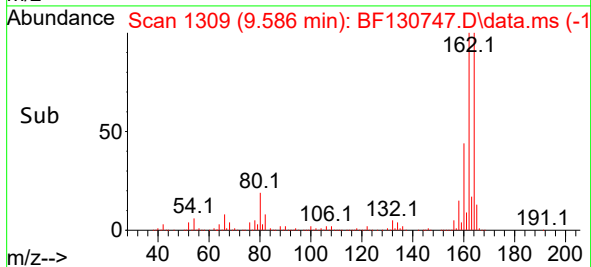
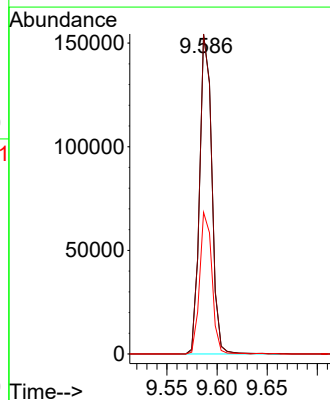
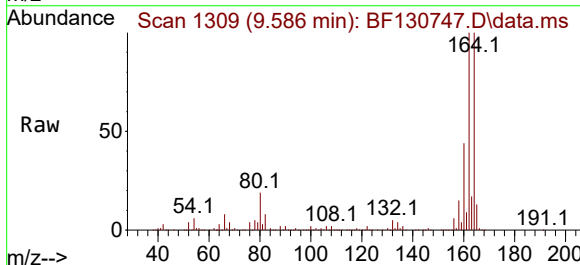
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

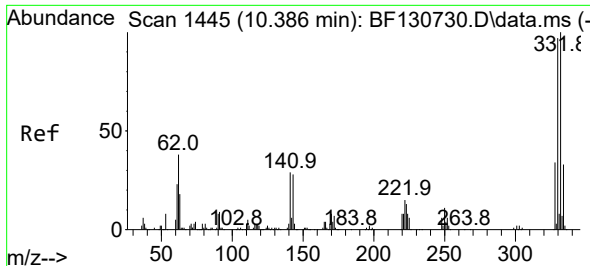
Tgt Ion: 82 Resp: 406786
Ion Ratio Lower Upper
82 100
95 0.0 6.3 9.5#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.586 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Tgt Ion: 164 Resp: 130876
Ion Ratio Lower Upper
164 100
162 100.0 81.4 122.0
160 44.3 35.0 52.4

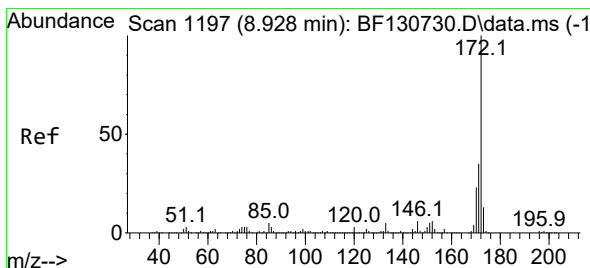
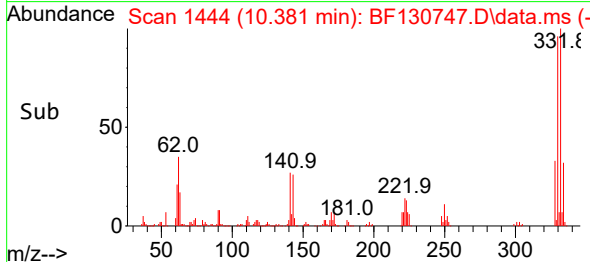
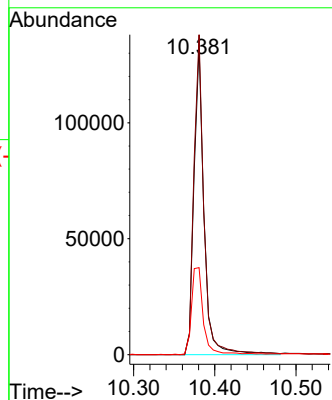
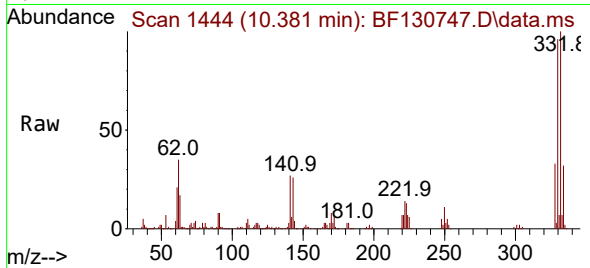




#42
2,4,6-Tribromophenol
Concen: 92.842 ng
RT: 10.381 min Scan# 1444
Delta R.T. -0.005 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

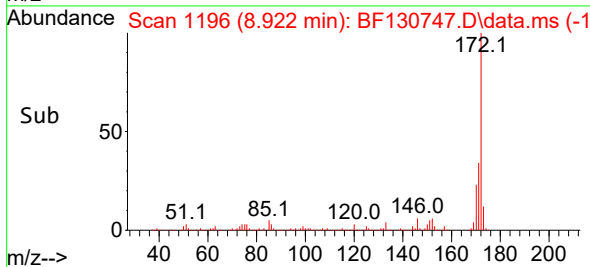
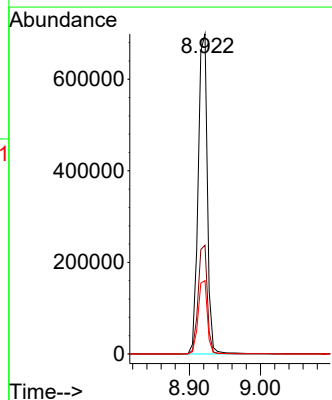
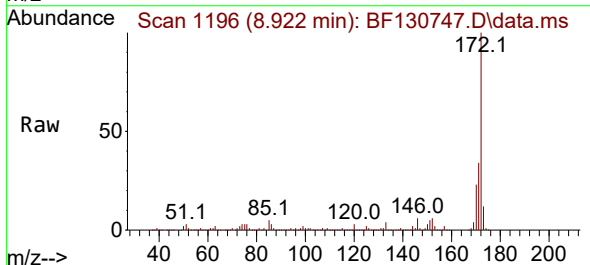
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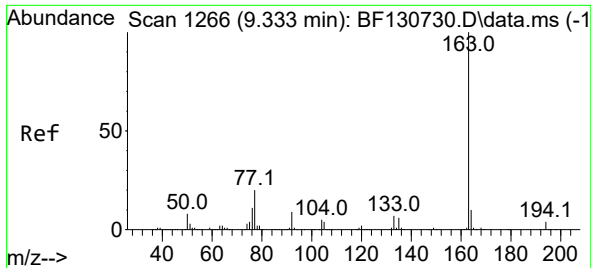
Tgt Ion:330 Resp: 115554
Ion Ratio Lower Upper
330 100
332 103.4 81.4 122.2
141 33.4 24.6 37.0



#45
2-Fluorobiphenyl
Concen: 73.401 ng
RT: 8.922 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Tgt Ion:172 Resp: 630368
Ion Ratio Lower Upper
172 100
171 34.0 28.2 42.2
170 22.9 18.5 27.7

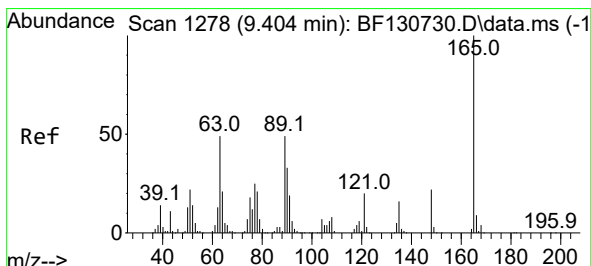
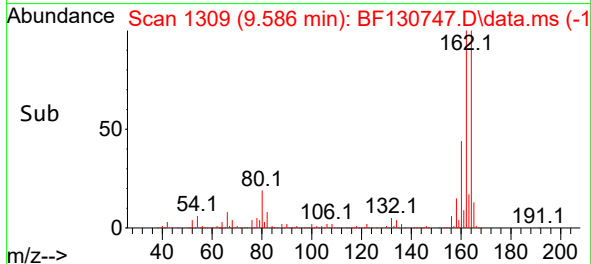
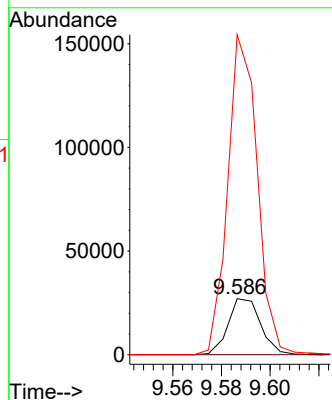
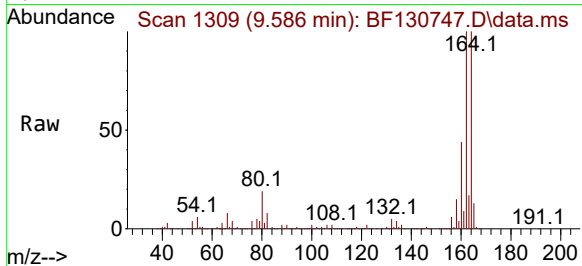




#50
Dimethylphthalate
Concen: 2.852 ng
RT: 9.586 min Scan# 11
Delta R.T. 0.253 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

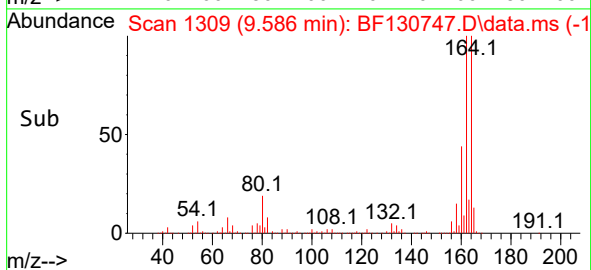
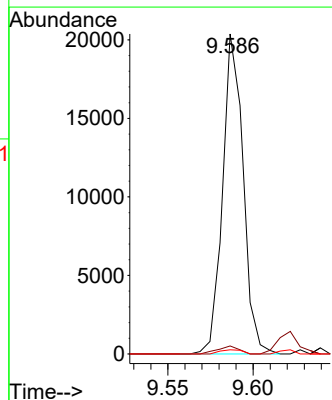
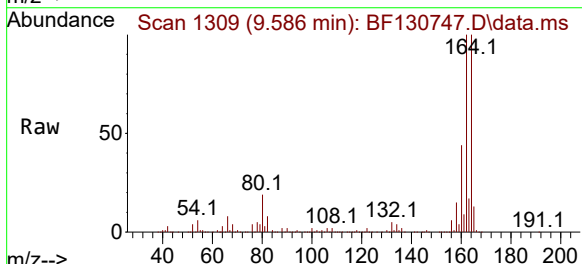
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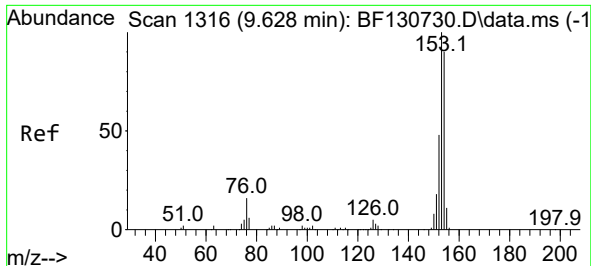
Tgt Ion:163 Resp: 25105
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 571.2 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.650 ng
RT: 9.586 min Scan# 1309
Delta R.T. 0.182 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Tgt Ion:165 Resp: 17052
Ion Ratio Lower Upper
165 100
63 2.5 38.8 58.2#
89 1.3 39.4 59.2#

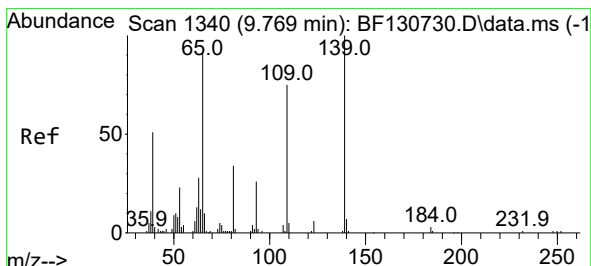
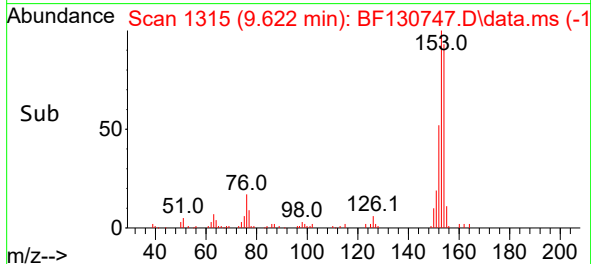
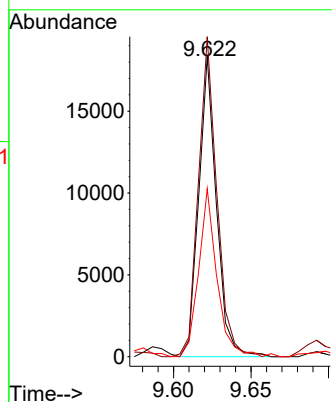
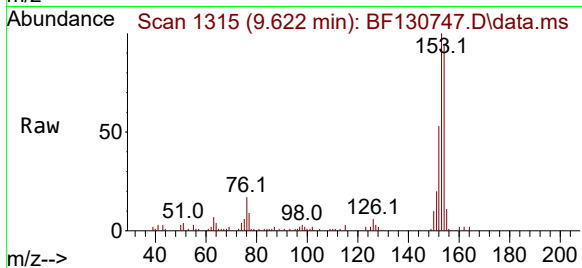




#52
Acenaphthene
Concen: 2.095 ng
RT: 9.622 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

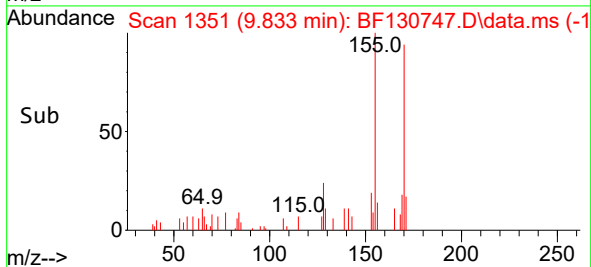
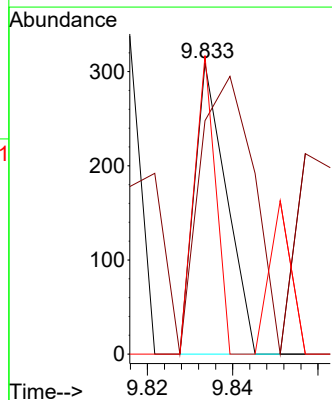
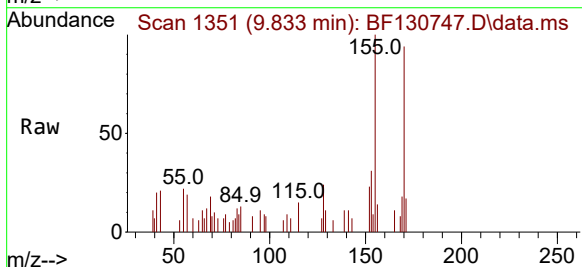
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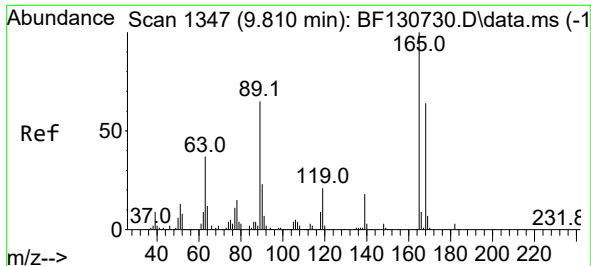
Tgt Ion:154 Resp: 14568
Ion Ratio Lower Upper
154 100
153 106.4 88.4 132.6
152 55.8 42.0 63.0



#56
4-Nitrophenol
Concen: 4.951 ng
RT: 9.833 min Scan# 1351
Delta R.T. 0.064 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Tgt Ion:139 Resp: 162
Ion Ratio Lower Upper
139 100
109 80.3 55.1 95.1
65 102.6 72.2 112.2





#57

2,4-Dinitrotoluene

Concen: 6.421 ng

RT: 9.586 min Scan# 1

Delta R.T. -0.223 min

Lab File: BF130747.D

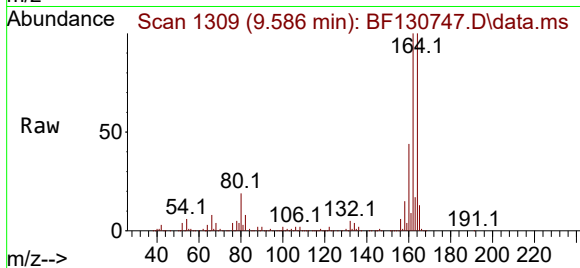
Acq: 21 Oct 2022 16:16

Instrument :

BNA_F

ClientSampleId :

NB-08-101722



Tgt Ion:165 Resp: 17052

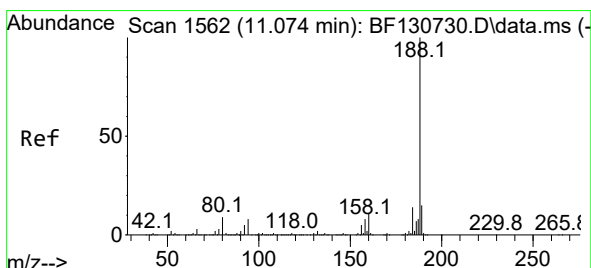
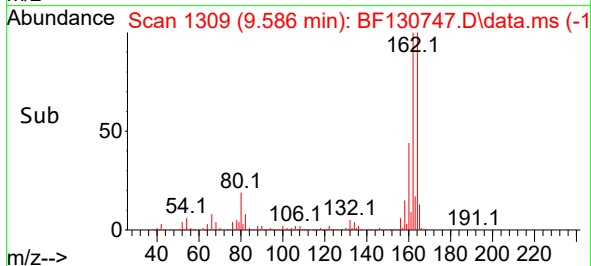
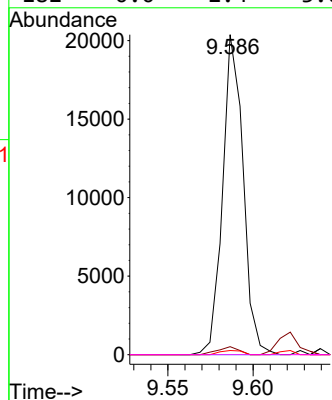
Ion Ratio Lower Upper

165 100

63 2.5 32.6 49.0#

89 1.3 51.9 77.9#

182 0.0 2.4 3.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.069 min Scan# 1561

Delta R.T. -0.006 min

Lab File: BF130747.D

Acq: 21 Oct 2022 16:16

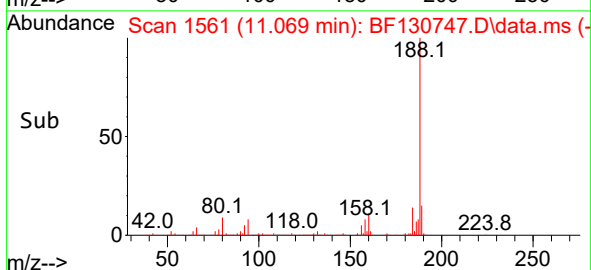
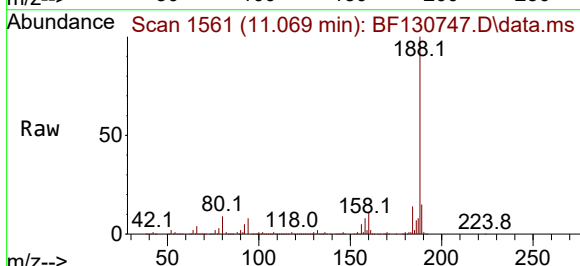
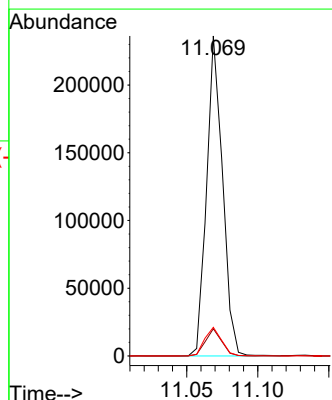
Tgt Ion:188 Resp: 185238

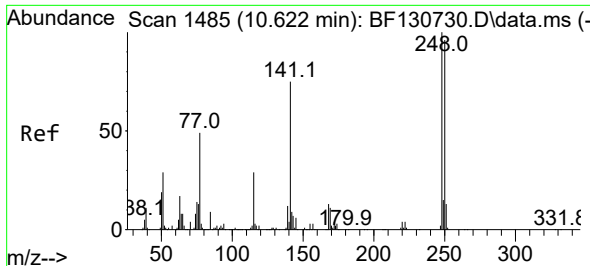
Ion Ratio Lower Upper

188 100

94 8.5 6.7 10.1

80 9.0 7.4 11.0

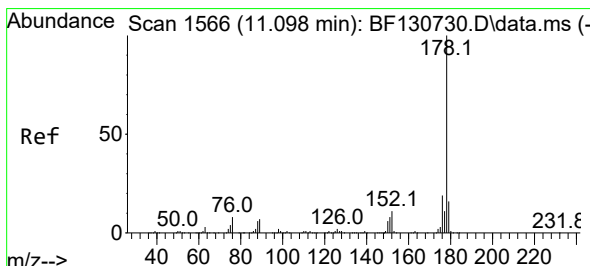
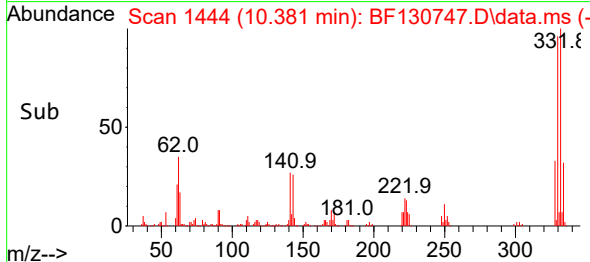
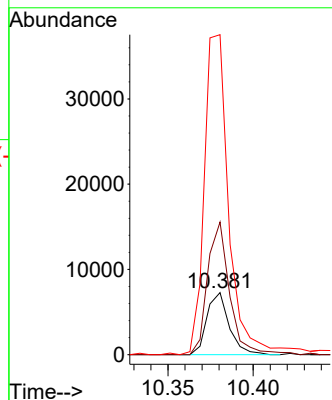
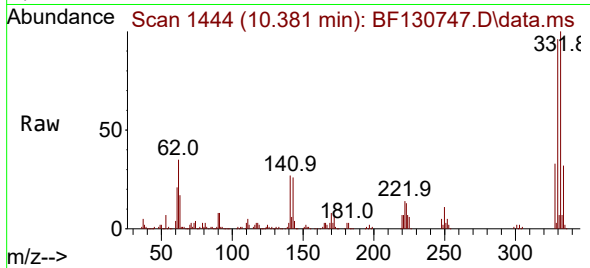




#67
4-Bromophenyl-phenylether
Concen: 2.965 ng
RT: 10.381 min Scan# 1485
Delta R.T. -0.241 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

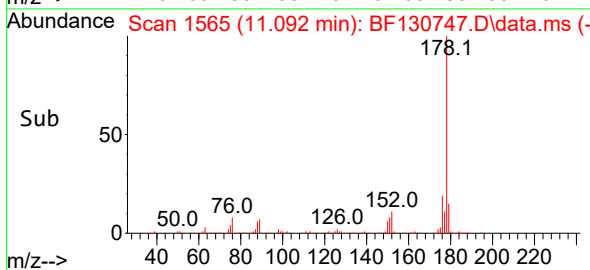
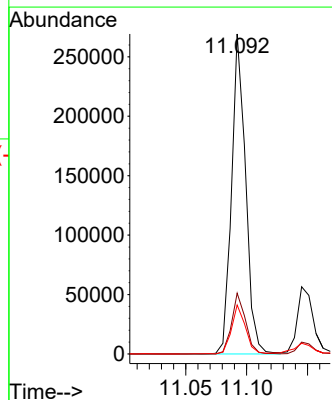
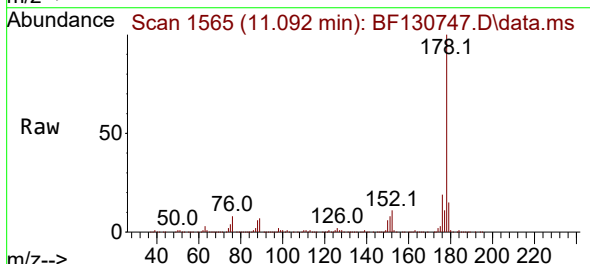
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

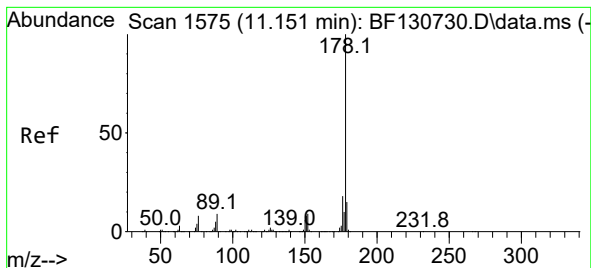
Tgt Ion:248 Resp: 6606
Ion Ratio Lower Upper
248 100
250 213.9 77.0 115.6#
141 515.7 60.1 90.1#



#71
Phenanthrene
Concen: 21.278 ng
RT: 11.092 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Tgt Ion:178 Resp: 216141
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.3 12.4 18.6





#72

Anthracene

Concen: 4.894 ng

RT: 11.145 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF130747.D

Acq: 21 Oct 2022 16:16

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

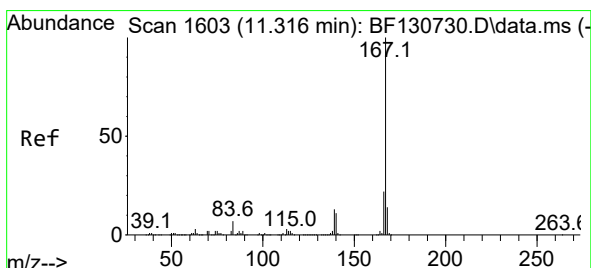
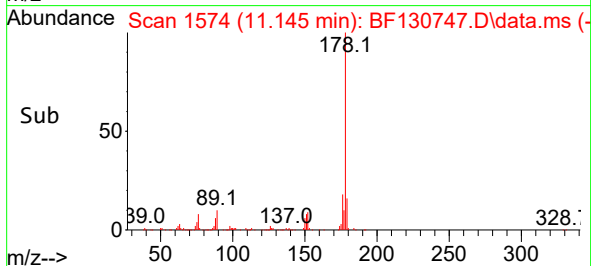
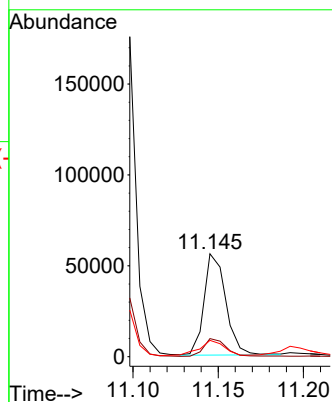
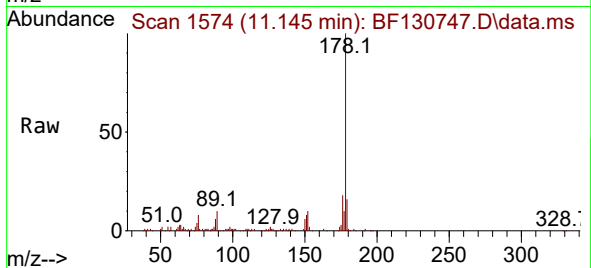
Tgt Ion:178 Resp: 49607

Ion Ratio Lower Upper

178 100

176 17.5 14.6 21.8

179 15.9 12.4 18.6



#73

Carbazole

Concen: 2.243 ng

RT: 11.316 min Scan# 1603

Delta R.T. 0.000 min

Lab File: BF130747.D

Acq: 21 Oct 2022 16:16

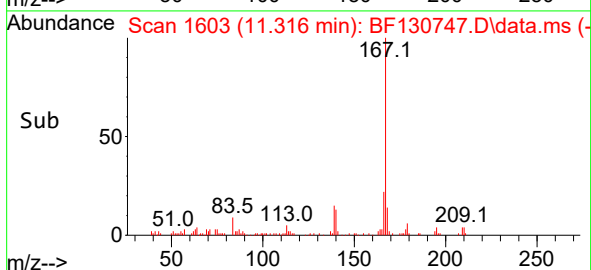
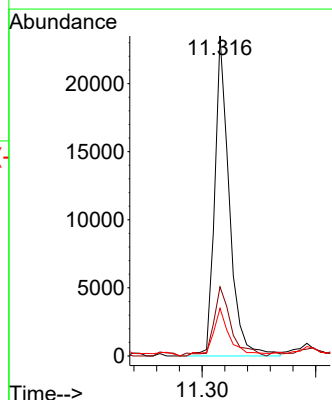
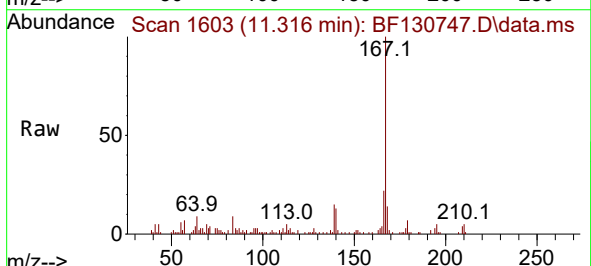
Tgt Ion:167 Resp: 20996

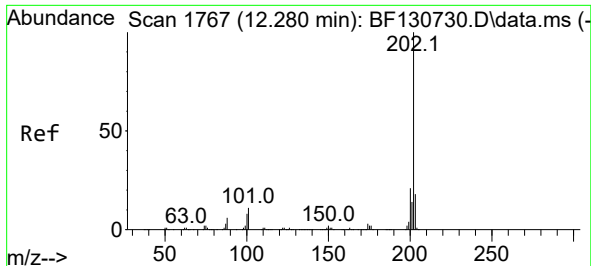
Ion Ratio Lower Upper

167 100

166 21.6 17.3 25.9

139 14.9 10.7 16.1

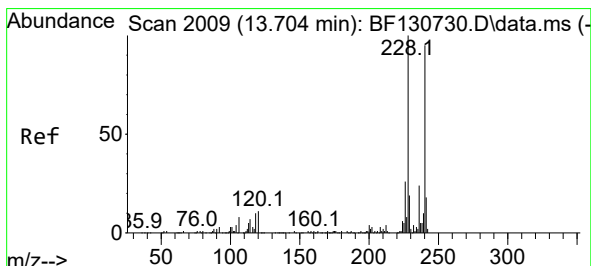
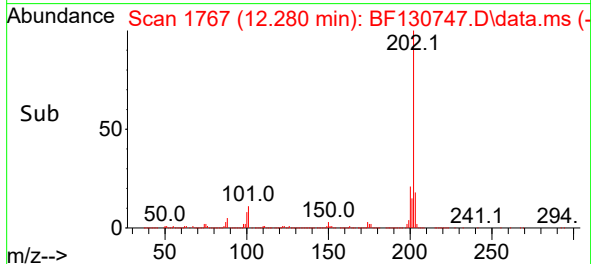
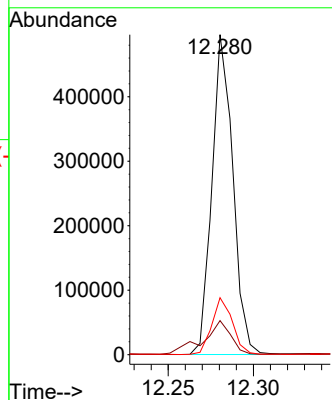
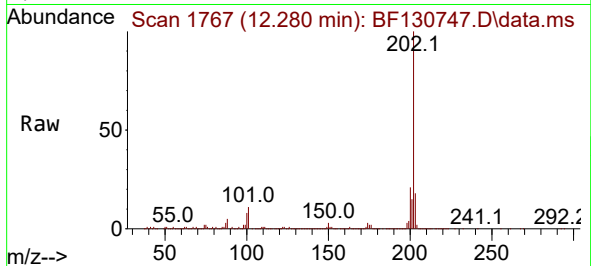




#75
Fluoranthene
Concen: 41.351 ng
RT: 12.280 min Scan# 1767
Delta R.T. 0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

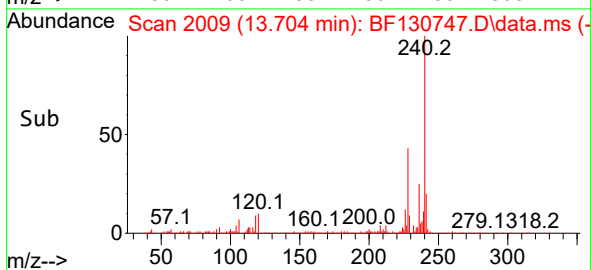
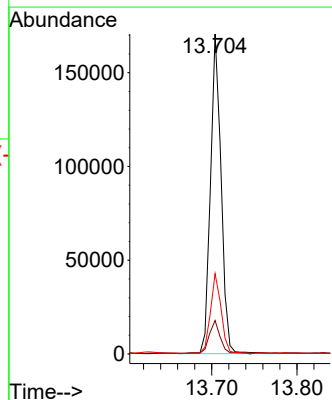
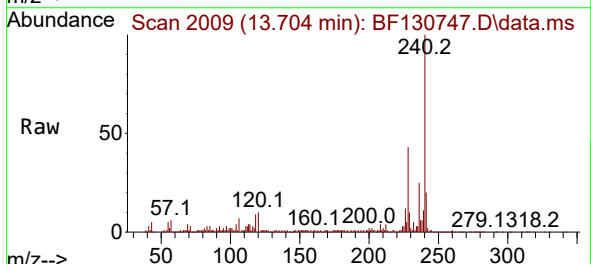
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

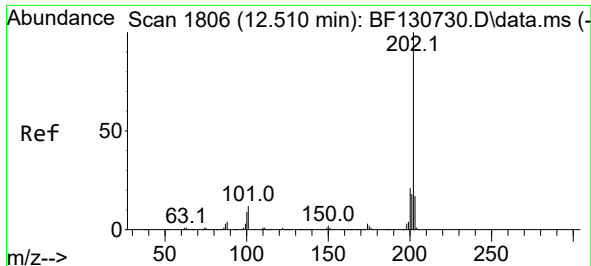
Tgt Ion:202 Resp: 424640
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.0
203 17.8 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.704 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Tgt Ion:240 Resp: 147452
Ion Ratio Lower Upper
240 100
120 10.4 9.6 14.4
236 25.1 20.2 30.2

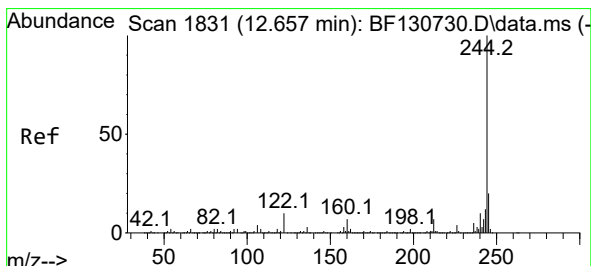
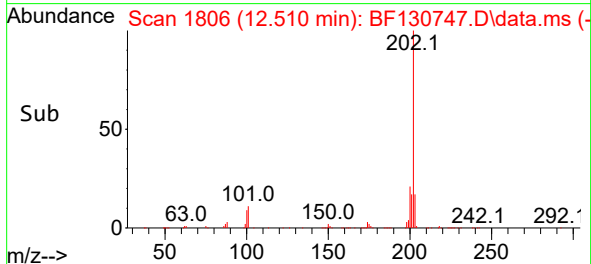
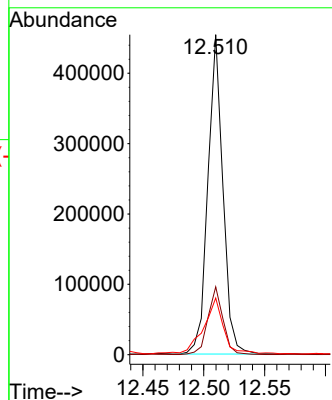
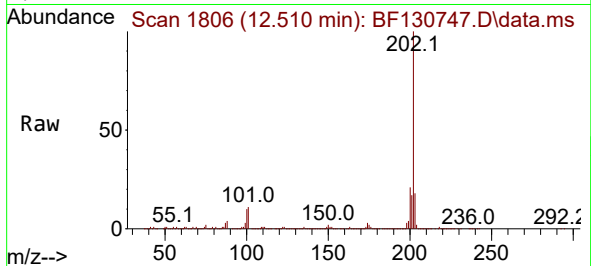




#78
 Pyrene
 Concen: 31.406 ng
 RT: 12.510 min Scan# 1806
 Delta R.T. 0.000 min
 Lab File: BF130747.D
 Acq: 21 Oct 2022 16:16

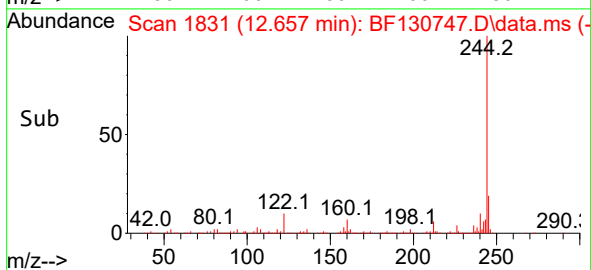
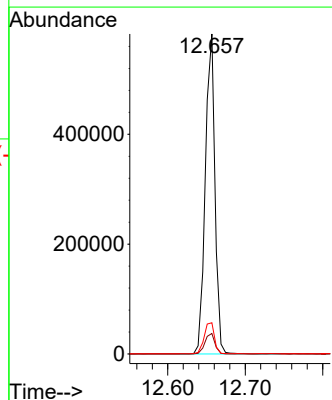
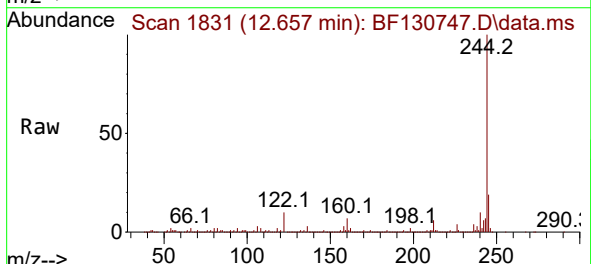
Instrument :
 BNA_F
 ClientSampleId :
 NB-08-101722

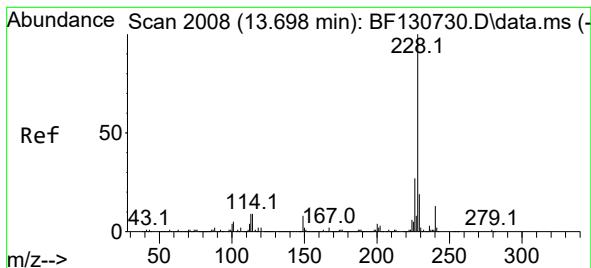
Tgt Ion:202 Resp: 388707
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.8 25.2
 203 17.7 13.8 20.8



#79
 Terphenyl-d14
 Concen: 57.490 ng
 RT: 12.657 min Scan# 1831
 Delta R.T. -0.000 min
 Lab File: BF130747.D
 Acq: 21 Oct 2022 16:16

Tgt Ion:244 Resp: 503035
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 9.8 8.2 12.4





#81

Benzo(a)anthracene

Concen: 21.086 ng

RT: 13.692 min Scan# 2008

Delta R.T. -0.006 min

Lab File: BF130747.D

Acq: 21 Oct 2022 16:16

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

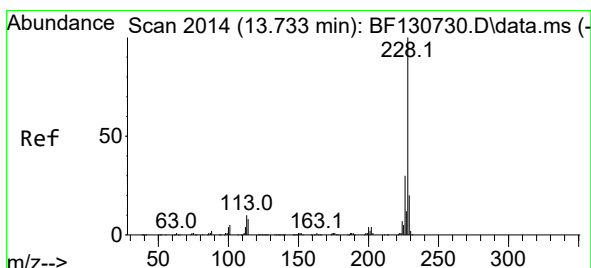
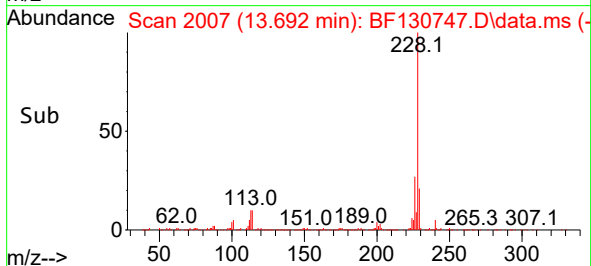
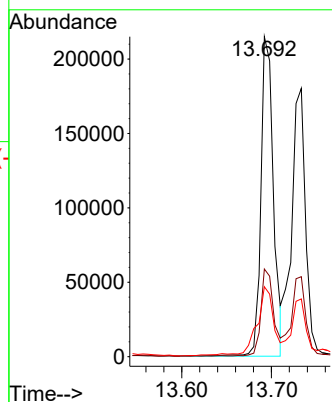
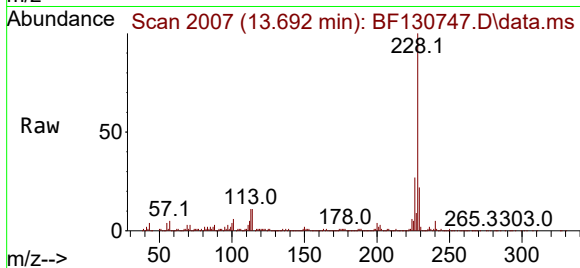
Tgt Ion:228 Resp: 207746

Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

229 21.9 15.4 23.2



#83

Chrysene

Concen: 20.303 ng

RT: 13.733 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF130747.D

Acq: 21 Oct 2022 16:16

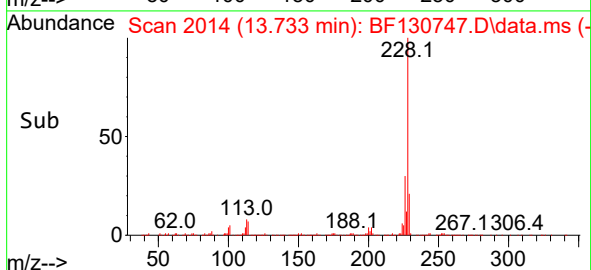
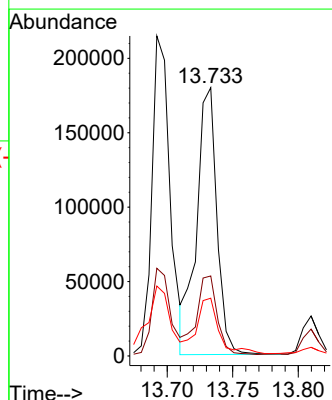
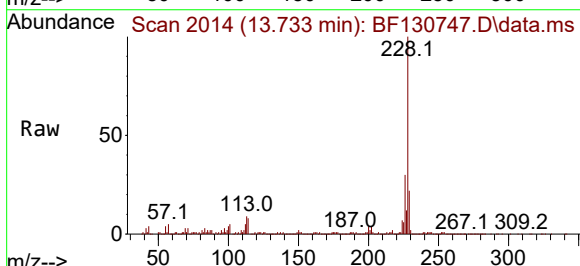
Tgt Ion:228 Resp: 193816

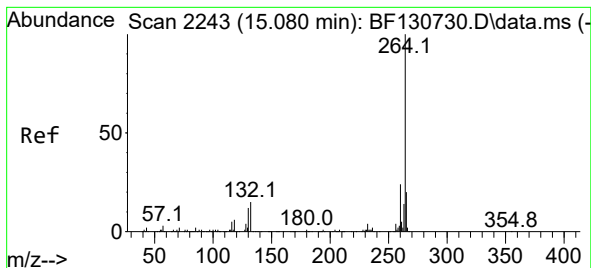
Ion Ratio Lower Upper

228 100

226 29.8 23.6 35.4

229 21.5 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.080 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF130747.D

Acq: 21 Oct 2022 16:16

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

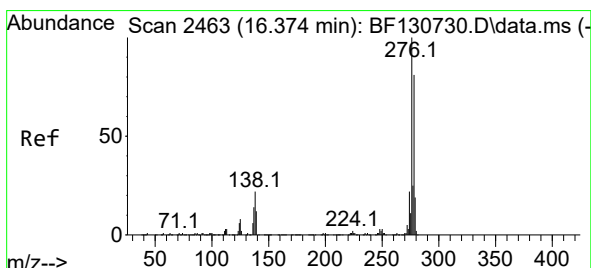
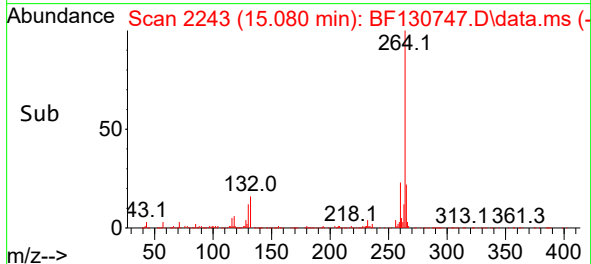
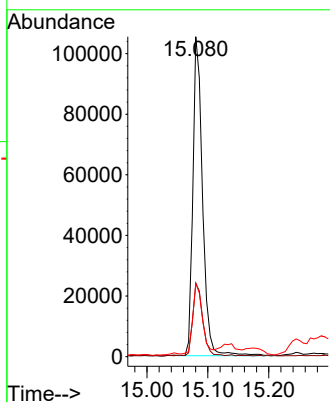
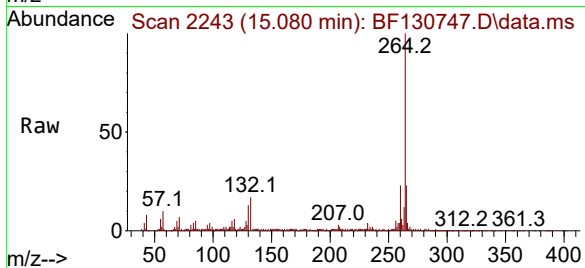
Tgt Ion:264 Resp: 116595

Ion Ratio Lower Upper

264 100

260 22.9 18.8 28.2

265 23.0 16.2 24.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.898 ng

RT: 16.380 min Scan# 2464

Delta R.T. 0.006 min

Lab File: BF130747.D

Acq: 21 Oct 2022 16:16

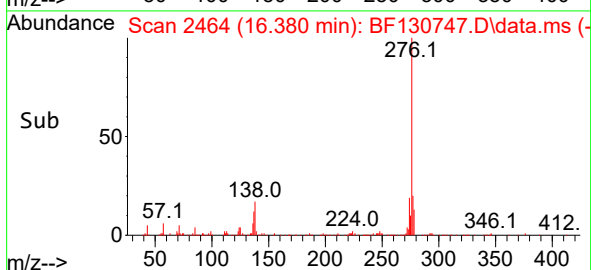
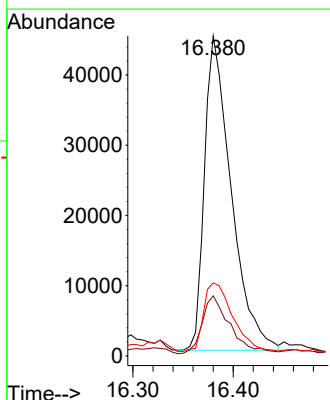
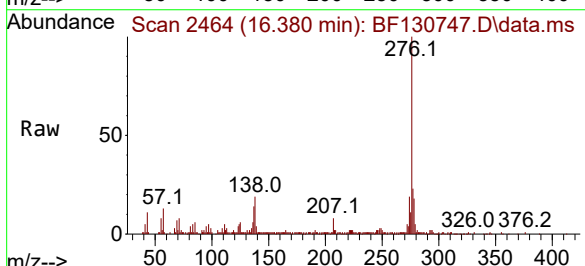
Tgt Ion:276 Resp: 82765

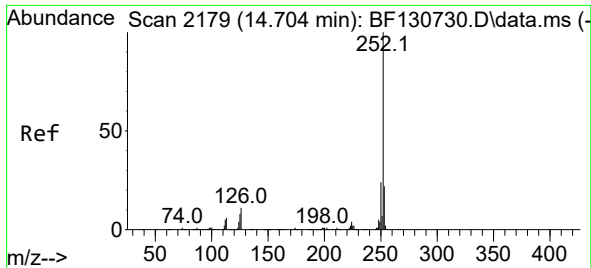
Ion Ratio Lower Upper

276 100

138 19.3 17.2 25.8

277 24.0 20.1 30.1

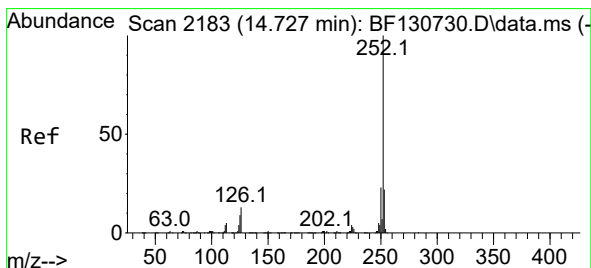
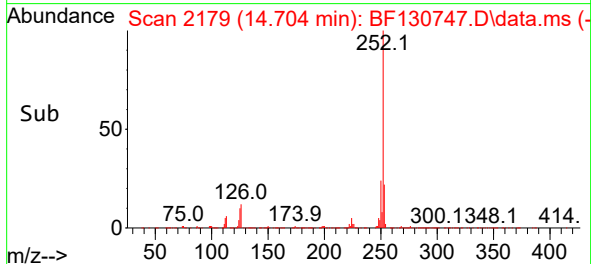
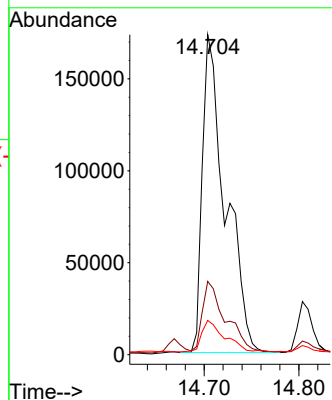
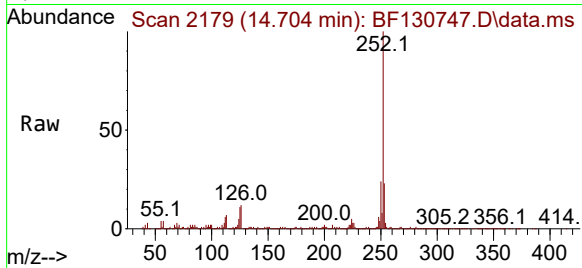




#88
Benzo(b)fluoranthene
Concen: 37.840 ng
RT: 14.704 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

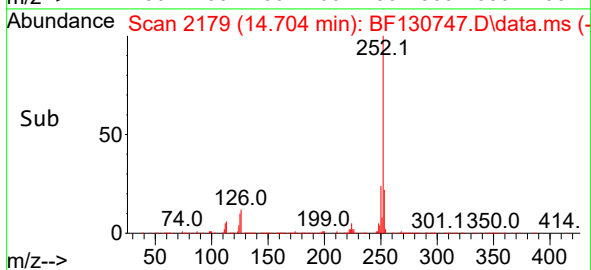
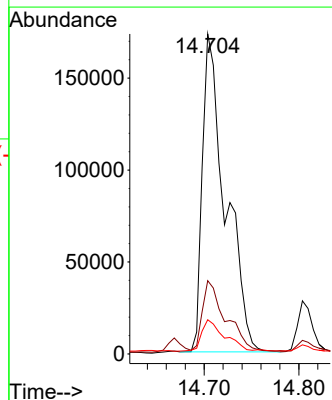
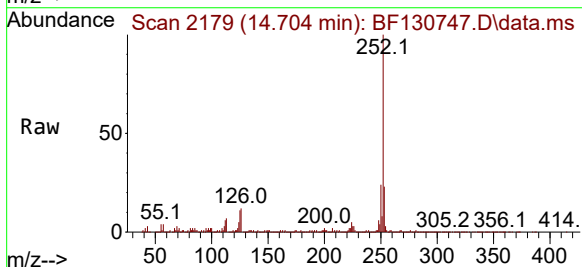
Instrument :
BNA_F
ClientSampleId :
NB-08-101722

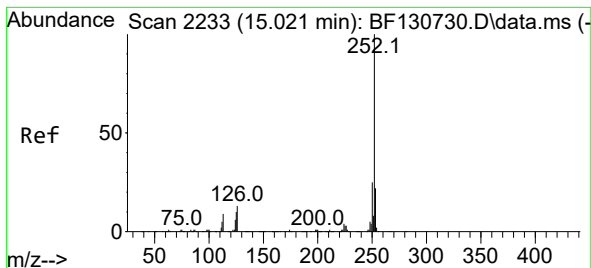
Tgt Ion:252 Resp: 293760
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 10.7 6.4 9.6#



#89
Benzo(k)fluoranthene
Concen: 37.664 ng
RT: 14.704 min Scan# 2179
Delta R.T. -0.023 min
Lab File: BF130747.D
Acq: 21 Oct 2022 16:16

Tgt Ion:252 Resp: 293760
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 10.7 7.2 10.8





#90

Benzo(a)pyrene

Concen: 23.781 ng

RT: 15.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130747.D

Acq: 21 Oct 2022 16:16

Instrument :

BNA_F

ClientSampleId :

NB-08-101722

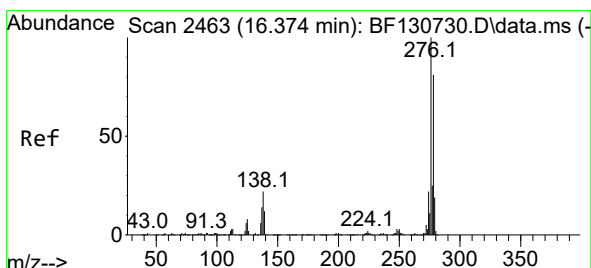
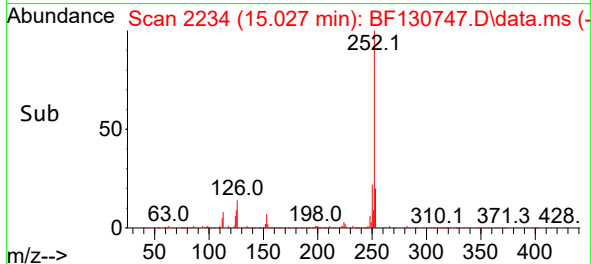
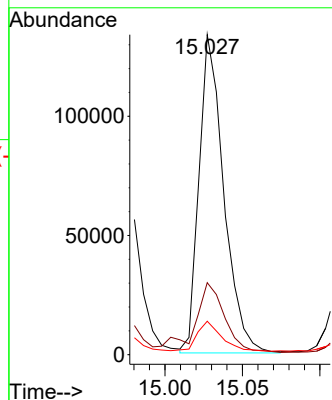
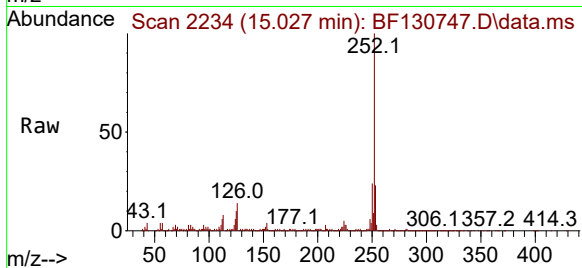
Tgt Ion:252 Resp: 148281

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 10.5 8.3 12.5



#91

Dibenzo(a,h)anthracene

Concen: 2.890 ng

RT: 16.386 min Scan# 2465

Delta R.T. 0.012 min

Lab File: BF130747.D

Acq: 21 Oct 2022 16:16

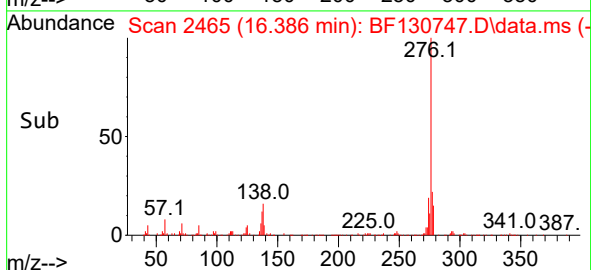
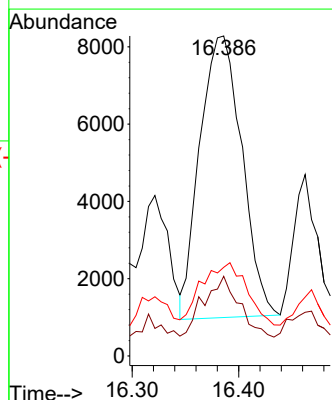
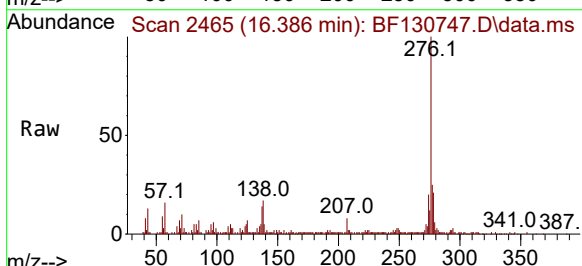
Tgt Ion:278 Resp: 19972

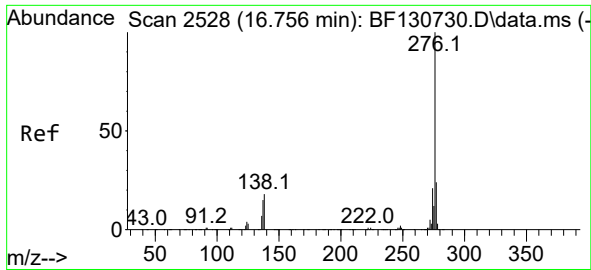
Ion Ratio Lower Upper

278 100

139 24.9 11.4 17.0#

279 27.7 18.4 27.6#





#92
 Benzo(g,h,i)perylene
 Concen: 11.425 ng
 RT: 16.768 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF130747.D
 Acq: 21 Oct 2022 16:16

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-101722

Tgt Ion:276 Resp: 79173
 Ion Ratio Lower Upper
 276 100
 277 25.9 19.1 28.7
 138 21.2 14.2 21.2

