

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
 Data File : BF130752.D
 Acq On : 21 Oct 2022 18:55
 Operator : CG\JU
 Sample : N5184-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-101822

Quant Time: Oct 21 22:56:26 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)

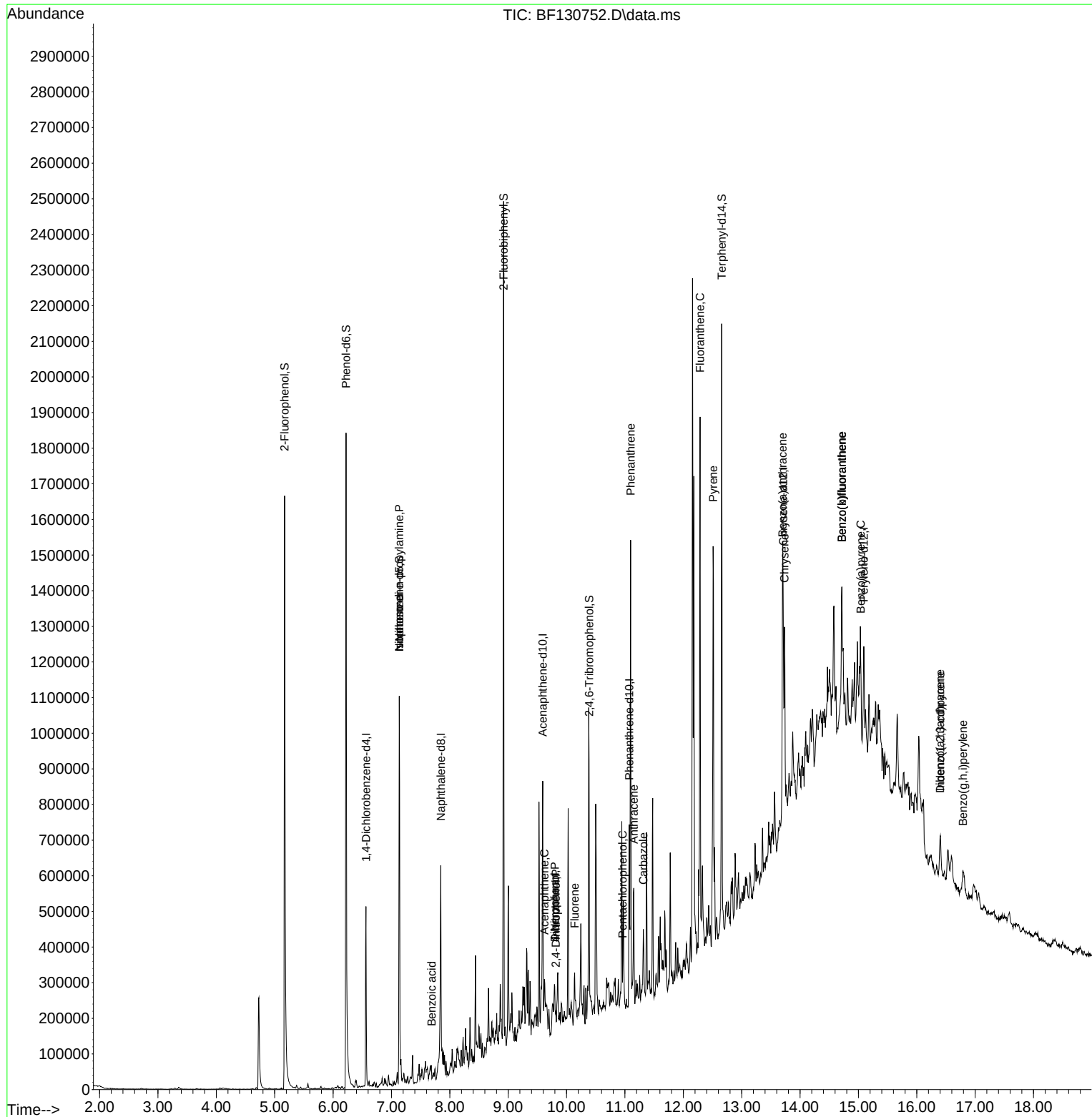
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	75082	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	228612	20.000	ng	0.00
39) Acenaphthene-d10	9.592	164	122058	20.000	ng	0.00
64) Phenanthrene-d10	11.075	188	178784	20.000	ng	0.00
76) Chrysene-d12	13.710	240	132155	20.000	ng	0.00
86) Perylene-d12	15.092	264	99872	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.169	112	556388	127.785	ng	0.00
7) Phenol-d6	6.222	99	675336	128.194	ng	0.00
23) Nitrobenzene-d5	7.134	82	347048	80.530	ng	0.00
42) 2,4,6-Tribromophenol	10.386	330	112662	97.058	ng	0.00
45) 2-Fluorobiphenyl	8.922	172	639851	79.887	ng	0.00
79) Terphenyl-d14	12.657	244	544958	69.491	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.134	70	46500	13.063	ng	# 76
25) Isophorone	7.134	82	347048	48.877	ng	# 65
32) Benzoic acid	7.687	122	61	6.040	ng	# 1
52) Acenaphthene	9.622	154	21180	3.266	ng	99
54) 2,4-Dinitrophenol	9.816	184	95	8.637	ng	# 1
55) Dibenzofuran	9.798	168	27355	2.741	ng	# 95
56) 4-Nitrophenol	9.798	139	11567	29.388	ng	# 25
58) Fluorene	10.139	166	32024	3.858	ng	# 97
70) Pentachlorophenol	10.957	266	60	6.138	ng	# 18
71) Phenanthrene	11.098	178	439693	44.848	ng	100
72) Anthracene	11.151	178	125900	12.869	ng	99
73) Carbazole	11.316	167	53788	5.955	ng	98
75) Fluoranthene	12.286	202	581671	58.687	ng	99
77) Benzidine	12.439	184	824	Below Cal		# 1
78) Pyrene	12.510	202	470689	42.432	ng	99
81) Benzo(a)anthracene	13.698	228	225282	25.512	ng	97
83) Chrysene	13.733	228	183349	21.430	ng	96
87) Indeno(1,2,3-cd)pyrene	16.404	276	55970	7.814	ng	# 94
88) Benzo(b)fluoranthene	14.716	252	234082	35.202	ng	# 80
89) Benzo(k)fluoranthene	14.716	252	234082	35.038	ng	# 82
90) Benzo(a)pyrene	15.039	252	121972	22.837	ng	# 91
91) Dibenzo(a,h)anthracene	16.398	278	15514	2.621	ng	# 58
92) Benzo(g,h,i)perylene	16.792	276	51947	8.751	ng	# 87

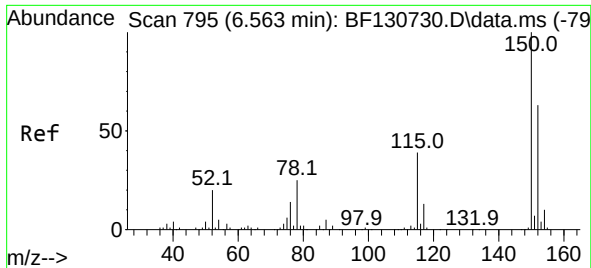
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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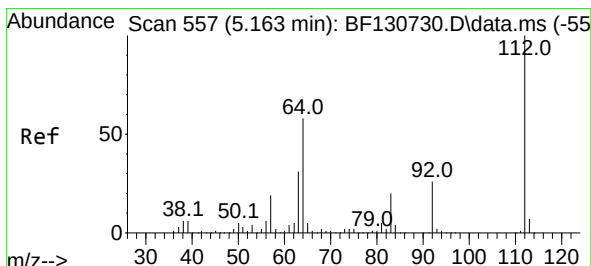
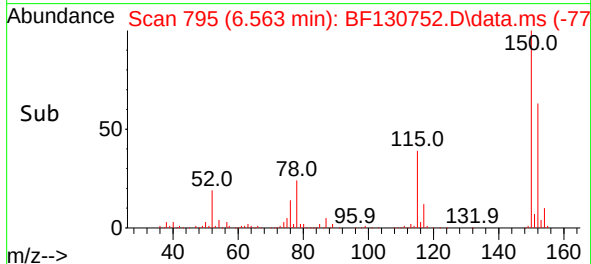
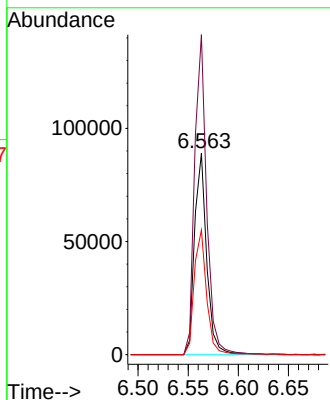
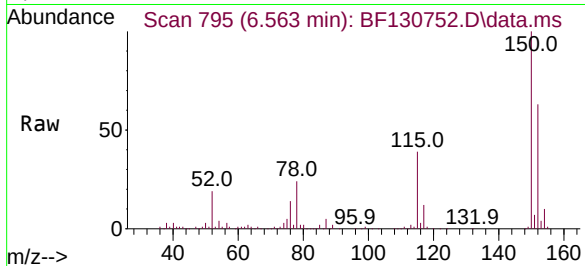




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.563 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55

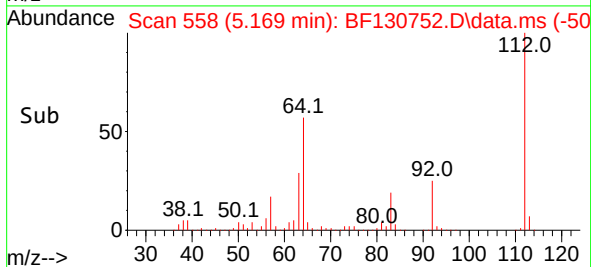
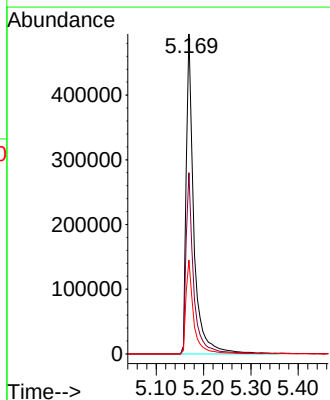
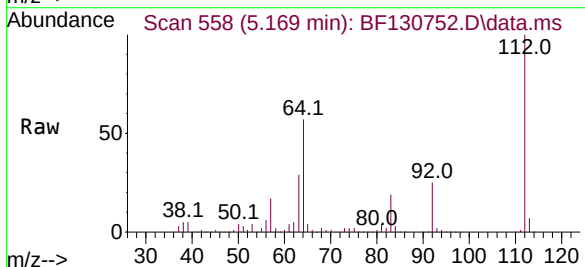
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-101822

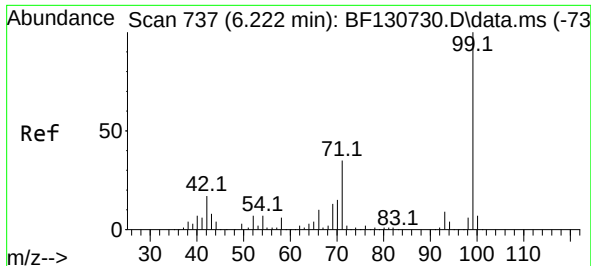
Tgt Ion:152 Resp: 75082
 Ion Ratio Lower Upper
 152 100
 150 159.0 127.0 190.6
 115 61.9 49.9 74.9



#5
 2-Fluorophenol
 Concen: 127.785 ng
 RT: 5.169 min Scan# 558
 Delta R.T. 0.006 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55

Tgt Ion:112 Resp: 556388
 Ion Ratio Lower Upper
 112 100
 64 56.6 46.2 69.4
 63 29.3 25.1 37.7

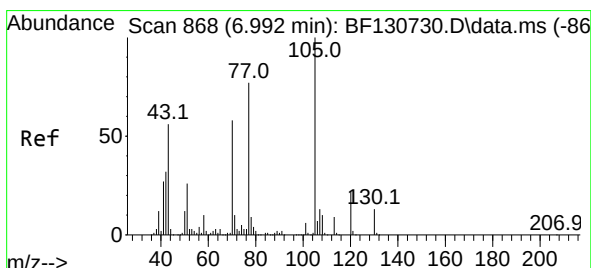
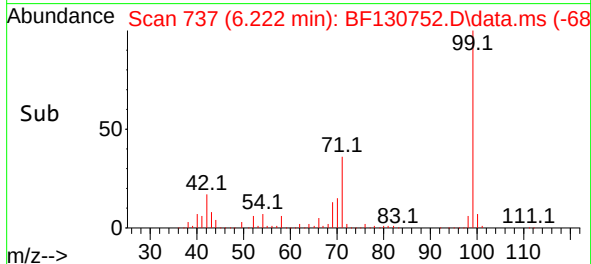
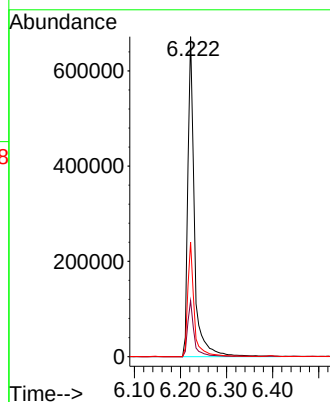
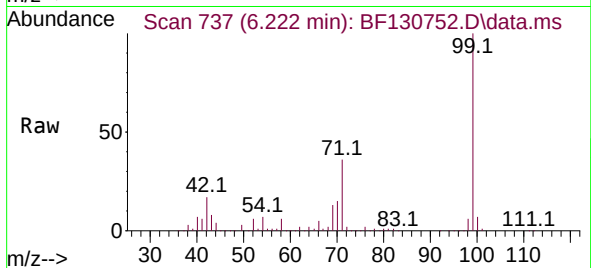




#7
 Phenol-d6
 Concen: 128.194 ng
 RT: 6.222 min Scan# 731
 Delta R.T. 0.000 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55

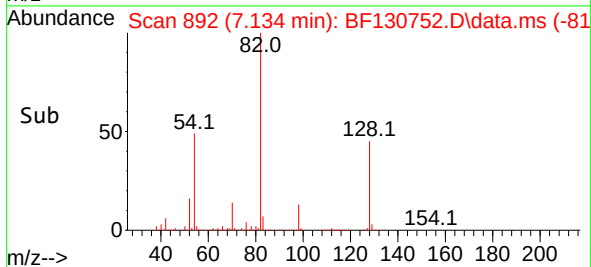
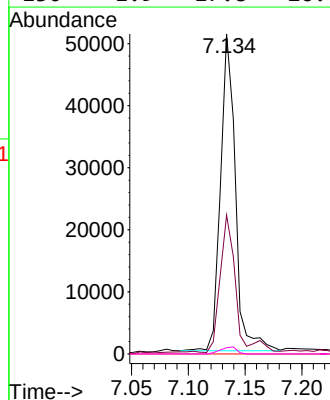
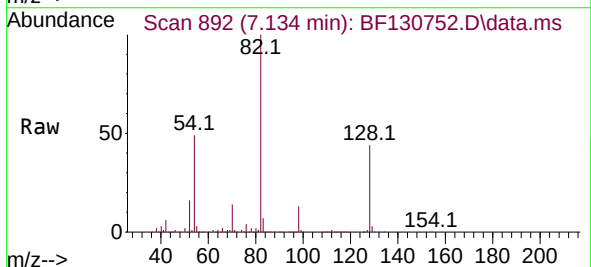
Instrument :
 BNA_F
 ClientSampleId :
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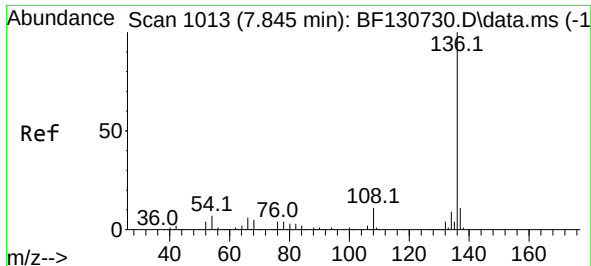
Tgt Ion: 99 Resp: 675336
 Ion Ratio Lower Upper
 99 100
 42 17.5 13.8 20.8
 71 35.8 28.3 42.5



#19
 n-Nitroso-di-n-propylamine
 Concen: 13.063 ng
 RT: 7.134 min Scan# 892
 Delta R.T. 0.141 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55

Tgt Ion: 70 Resp: 46500
 Ion Ratio Lower Upper
 70 100
 42 43.4 44.1 66.1#
 101 0.0 8.3 12.5#
 130 1.9 17.8 26.6#



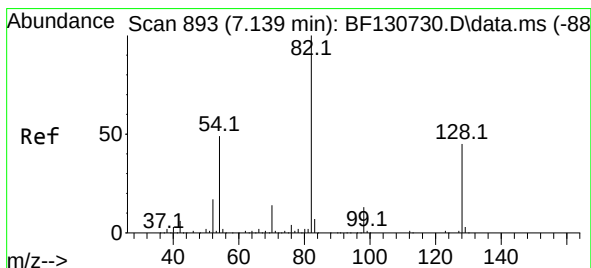
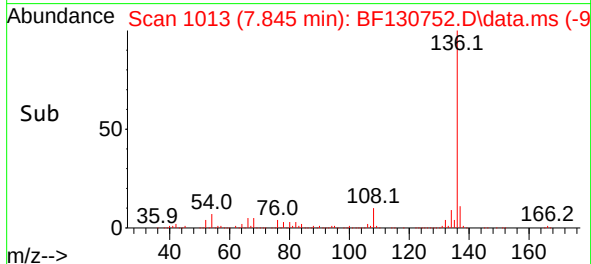
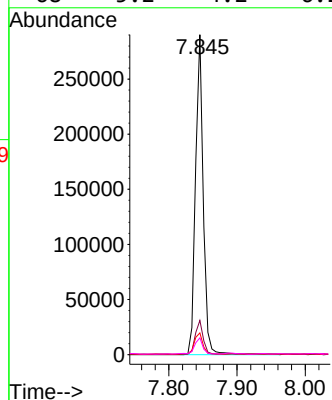
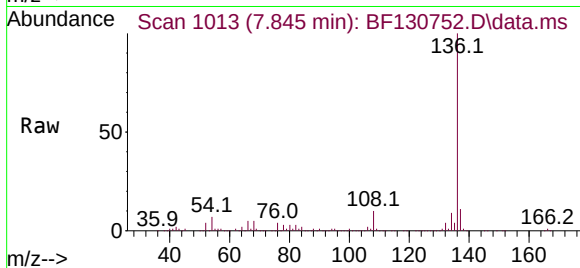


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

Instrument :
BNA_F
ClientSampleId :
EO-02-101822

Tgt Ion:136 Resp: 228612

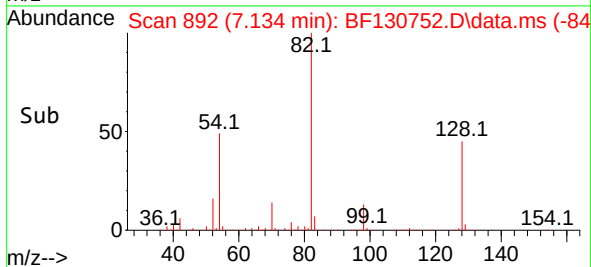
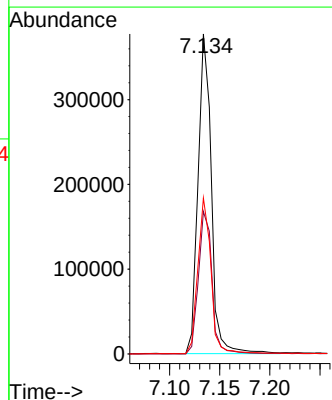
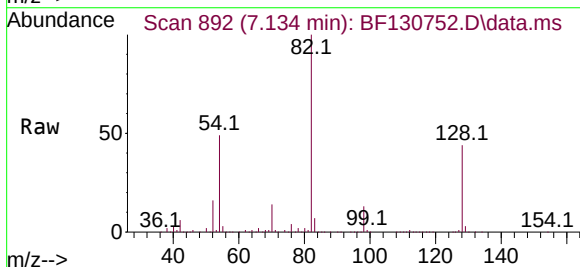
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	6.8	5.8	8.8
68	5.2	4.2	6.2

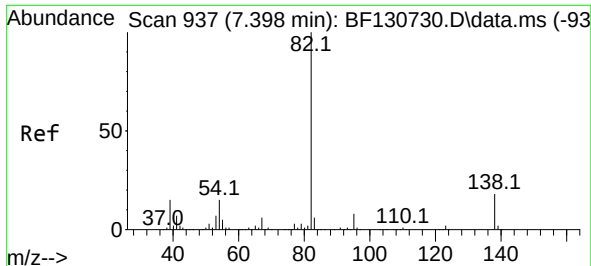


#23
Nitrobenzene-d5
Concen: 80.530 ng
RT: 7.134 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

Tgt Ion: 82 Resp: 347048

Ion	Ratio	Lower	Upper
82	100		
128	44.5	35.9	53.9
54	48.7	39.2	58.8

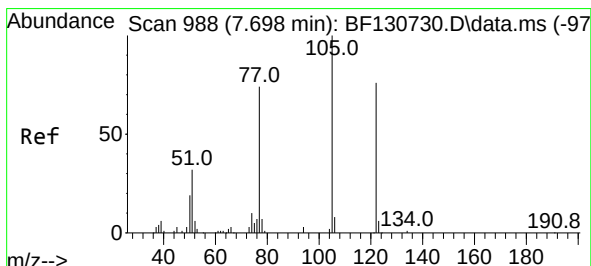
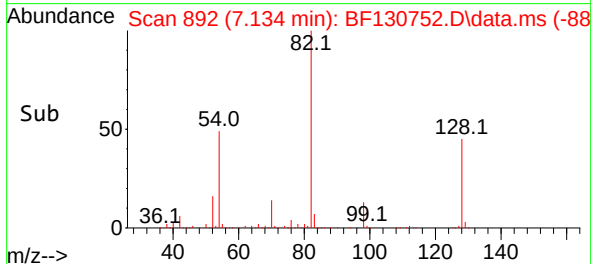
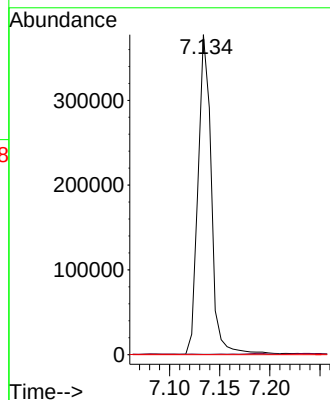
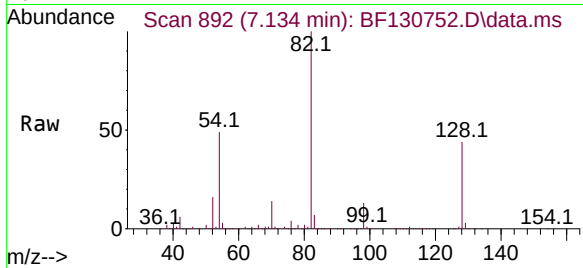




#25
Isophorone
Concen: 48.877 ng
RT: 7.134 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

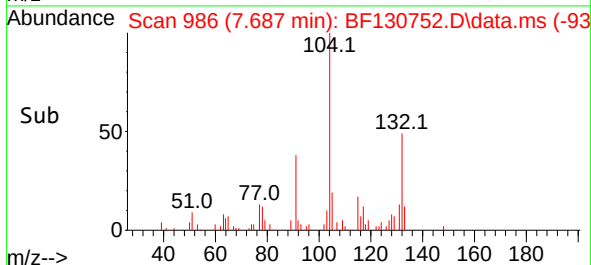
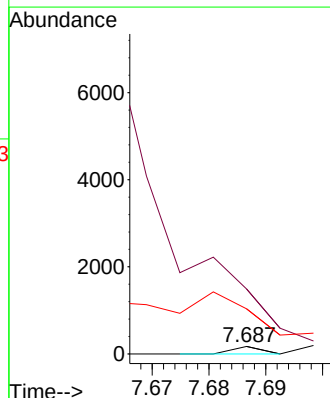
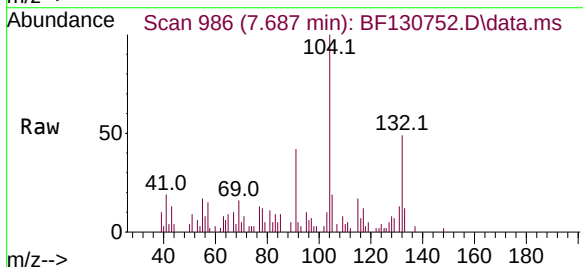
Instrument :
BNA_F
ClientSampleId :
EO-02-101822

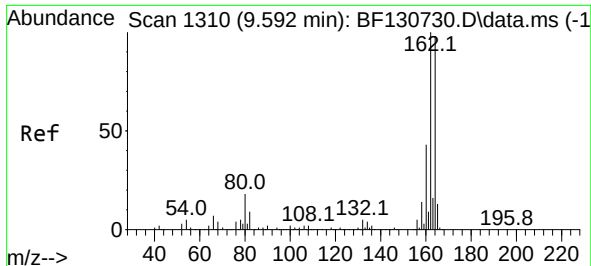
Tgt Ion: 82 Resp: 347048
Ion Ratio Lower Upper
82 100
95 0.1 6.3 9.5#
138 0.0 14.6 21.8#



#32
Benzoic acid
Concen: 6.040 ng
RT: 7.687 min Scan# 986
Delta R.T. -0.011 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

Tgt Ion:122 Resp: 61
Ion Ratio Lower Upper
122 100
105 866.9 109.2 149.2#
77 601.7 75.7 115.7#

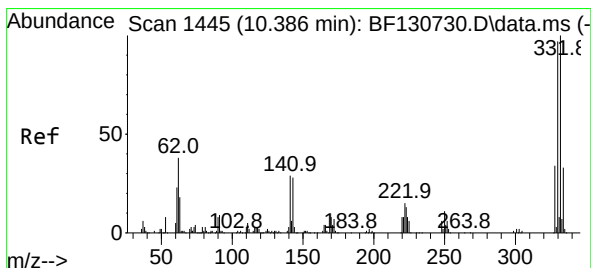
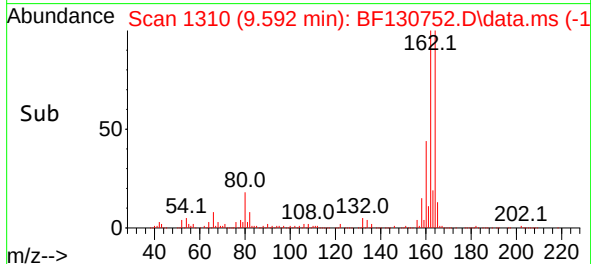
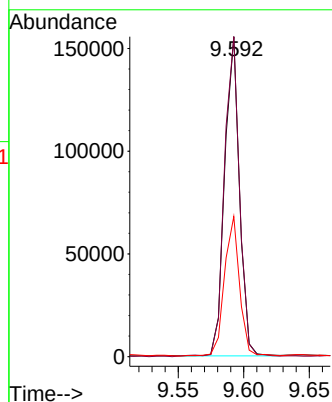
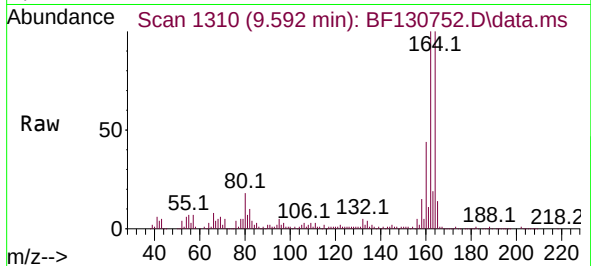




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.592 min Scan# 1310
 Delta R.T. 0.000 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55

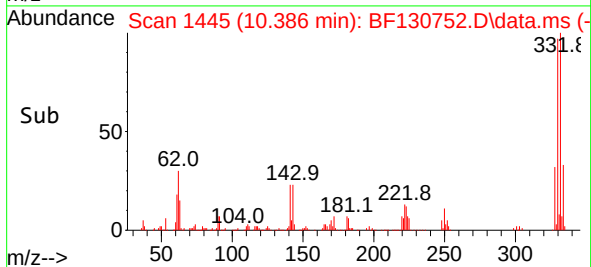
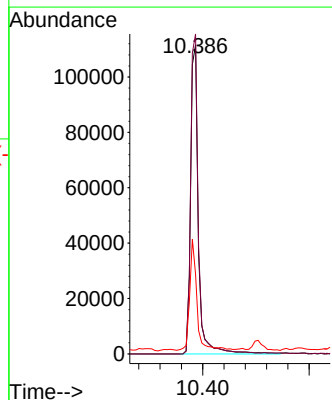
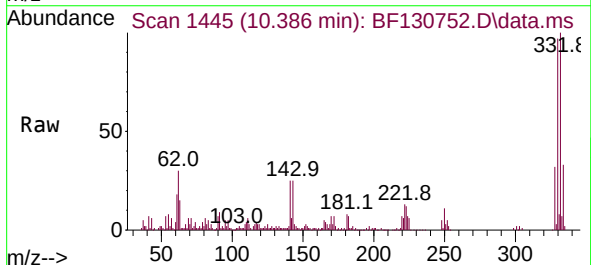
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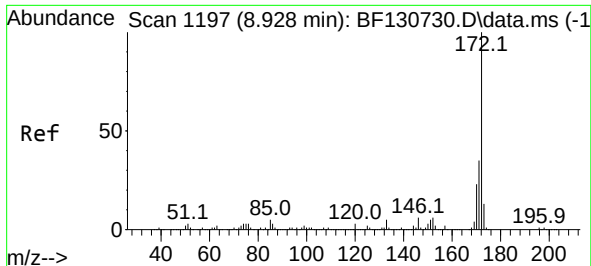
Tgt Ion:164 Resp: 122058
 Ion Ratio Lower Upper
 164 100
 162 100.0 81.4 122.0
 160 43.8 35.0 52.4



#42
 2,4,6-Tribromophenol
 Concen: 97.058 ng
 RT: 10.386 min Scan# 1445
 Delta R.T. 0.000 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55

Tgt Ion:330 Resp: 112662
 Ion Ratio Lower Upper
 330 100
 332 103.0 81.4 122.2
 141 33.5 24.6 37.0





#45

2-Fluorobiphenyl

Concen: 79.887 ng

RT: 8.922 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

Instrument :

BNA_F

ClientSampleId :

EO-02-101822

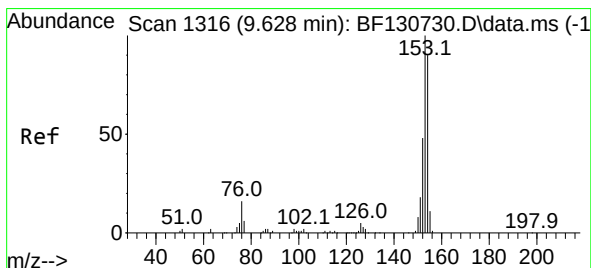
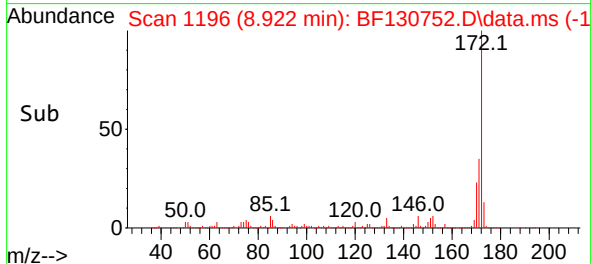
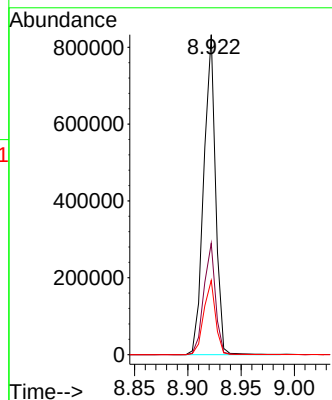
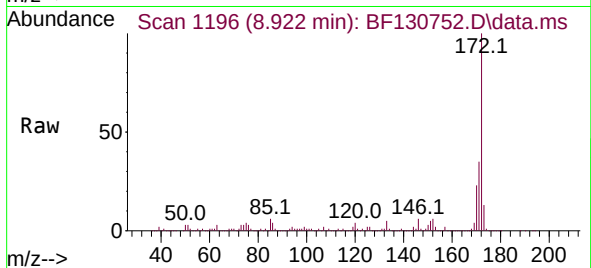
Tgt Ion:172 Resp: 639851

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.2

170 23.2 18.5 27.7



#52

Acenaphthene

Concen: 3.266 ng

RT: 9.622 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

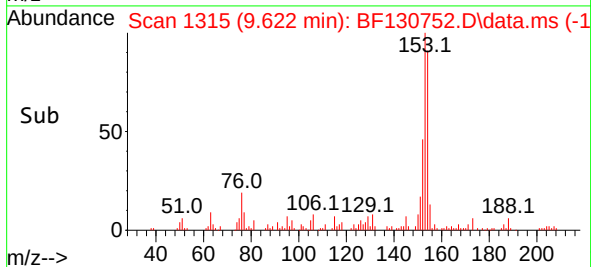
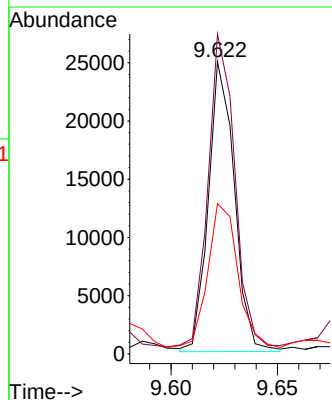
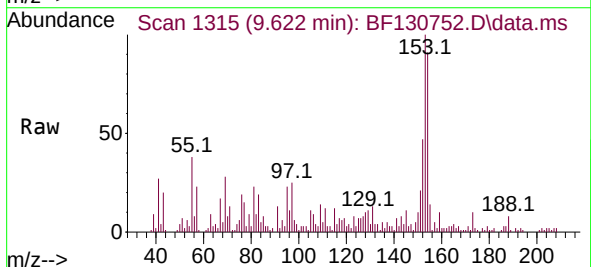
Tgt Ion:154 Resp: 21180

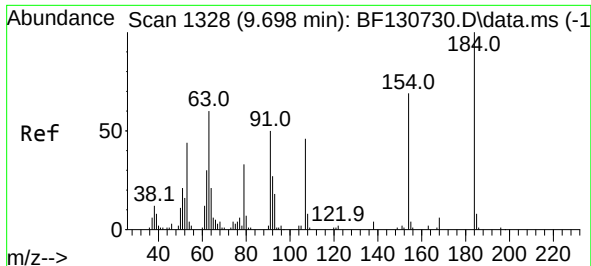
Ion Ratio Lower Upper

154 100

153 109.5 88.4 132.6

152 51.4 42.0 63.0

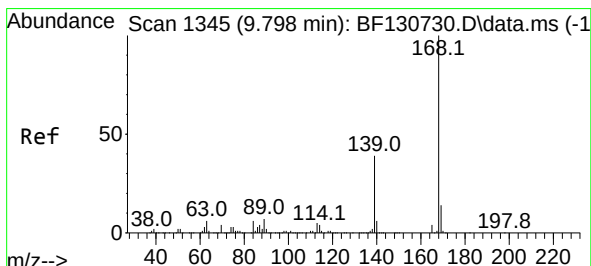
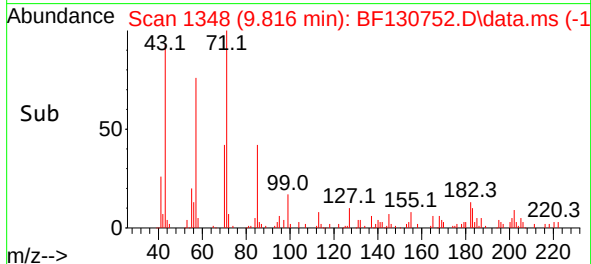
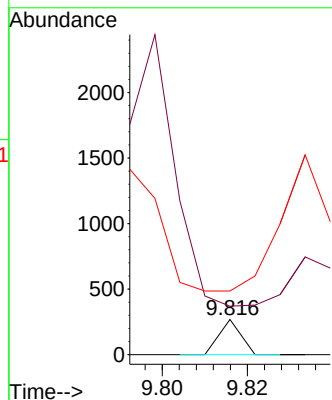
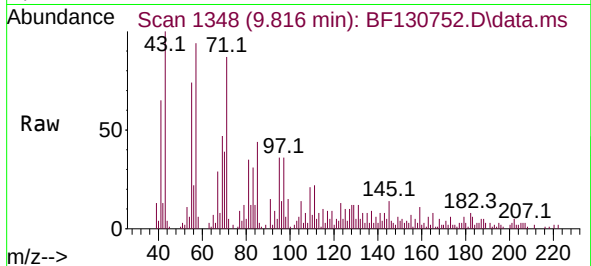




#54
2,4-Dinitrophenol
Concen: 8.637 ng
RT: 9.816 min Scan# 1348
Delta R.T. 0.118 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

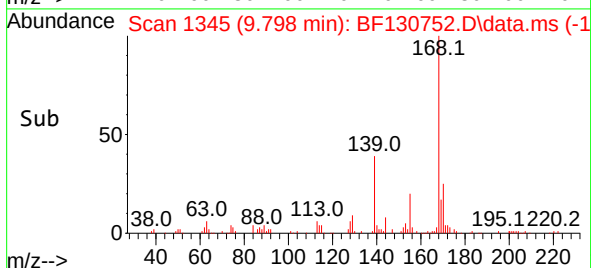
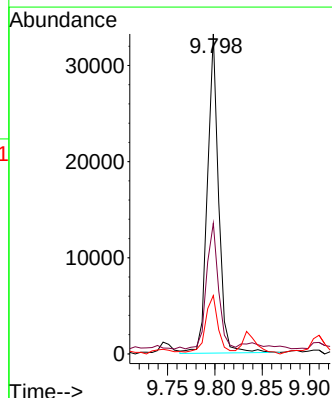
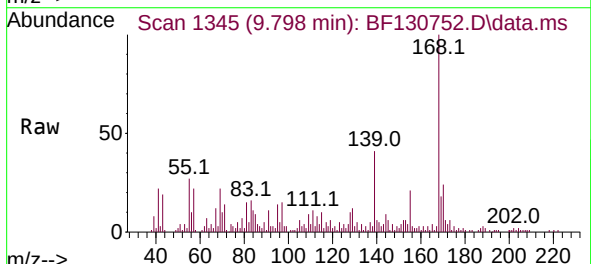
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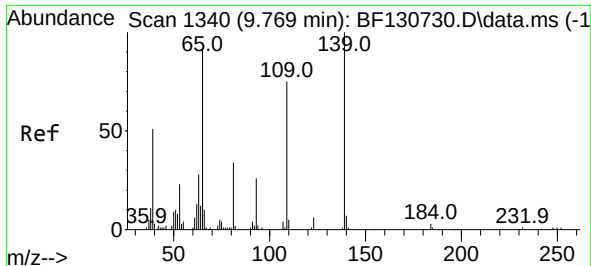
Tgt Ion:184 Resp: 95
Ion Ratio Lower Upper
184 100
63 138.1 47.7 71.5#
154 181.3 55.0 82.4#



#55
Dibenzofuran
Concen: 2.741 ng
RT: 9.798 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

Tgt Ion:168 Resp: 27355
Ion Ratio Lower Upper
168 100
139 40.8 34.3 51.5
169 18.2 11.0 16.6#

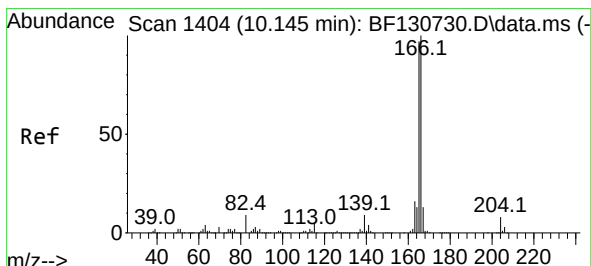
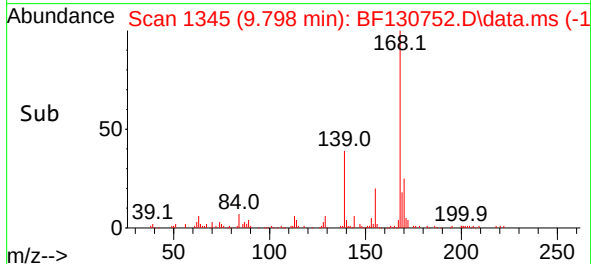
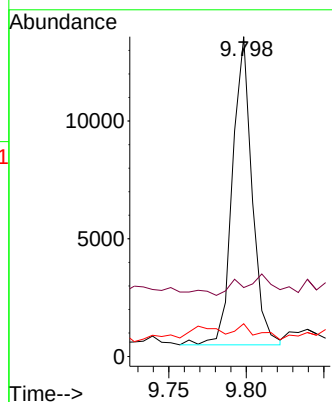
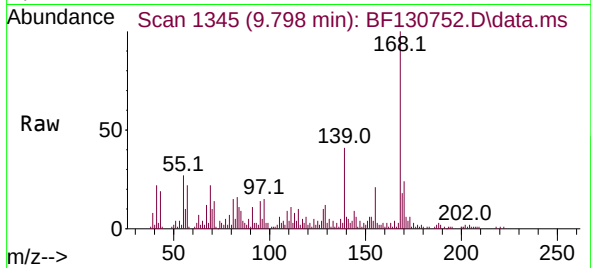




#56
4-Nitrophenol
Concen: 29.388 ng
RT: 9.798 min Scan# 1340
Delta R.T. 0.029 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

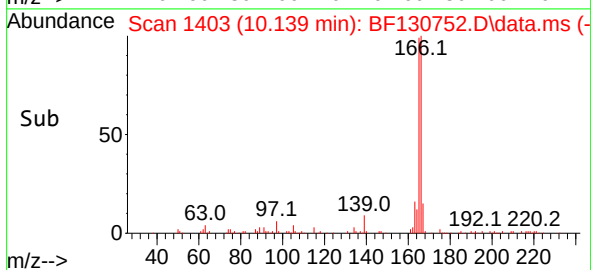
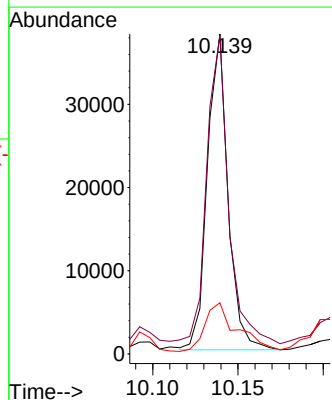
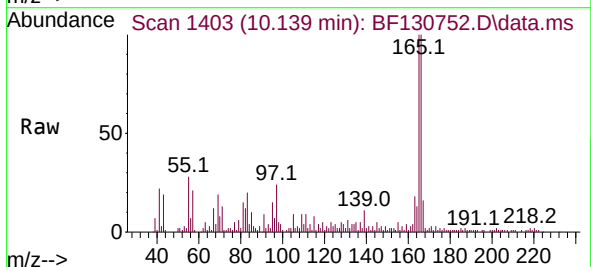
Instrument :
BNA_F
ClientSampleId :
EO-02-101822

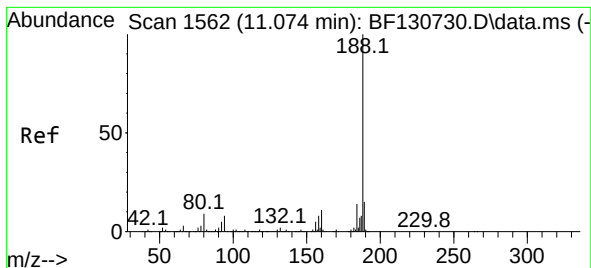
Tgt Ion:139 Resp: 11567
Ion Ratio Lower Upper
139 100
109 21.6 55.1 95.1#
65 10.3 72.2 112.2#



#58
Fluorene
Concen: 3.858 ng
RT: 10.139 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

Tgt Ion:166 Resp: 32024
Ion Ratio Lower Upper
166 100
165 99.7 77.6 116.4
167 16.0 10.3 15.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.075 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

Instrument :

BNA_F

ClientSampleId :

EO-02-101822

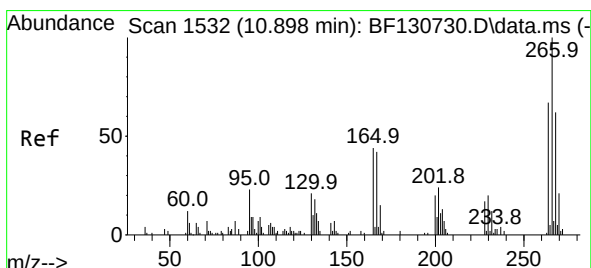
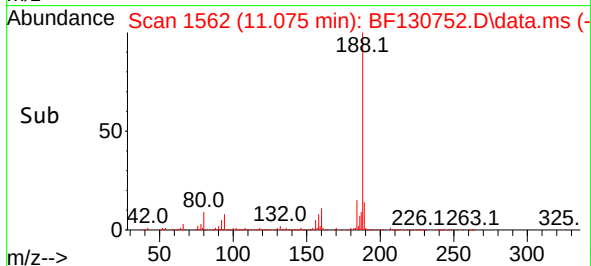
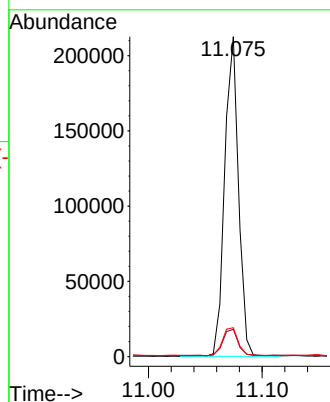
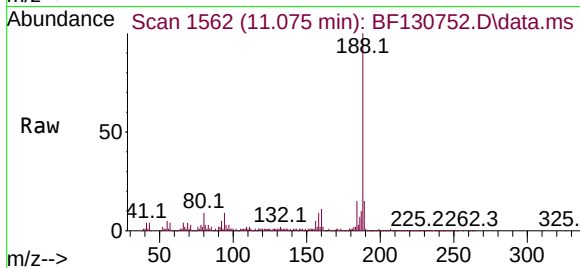
Tgt Ion:188 Resp: 178784

Ion Ratio Lower Upper

188 100

94 8.5 6.7 10.1

80 9.0 7.4 11.0



#70

Pentachlorophenol

Concen: 6.138 ng

RT: 10.957 min Scan# 1542

Delta R.T. 0.059 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

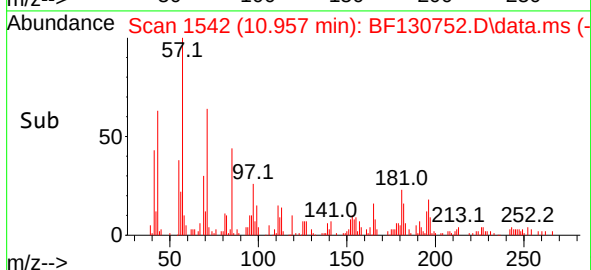
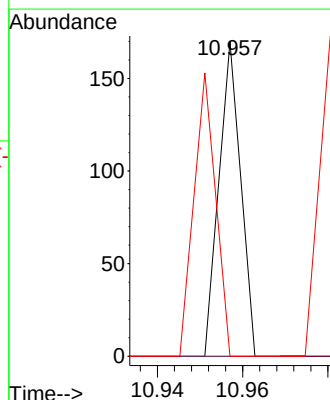
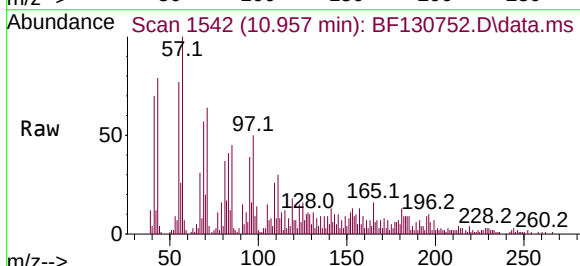
Tgt Ion:266 Resp: 60

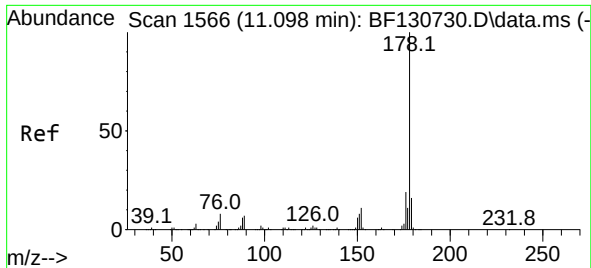
Ion Ratio Lower Upper

266 100

268 0.0 49.9 74.9#

264 0.0 53.6 80.4#

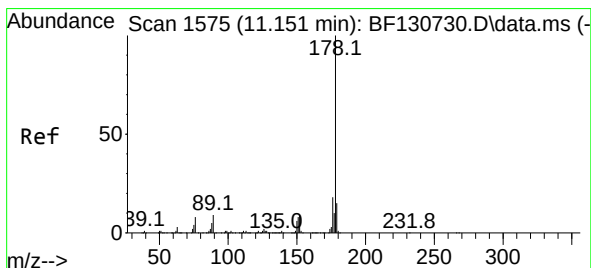
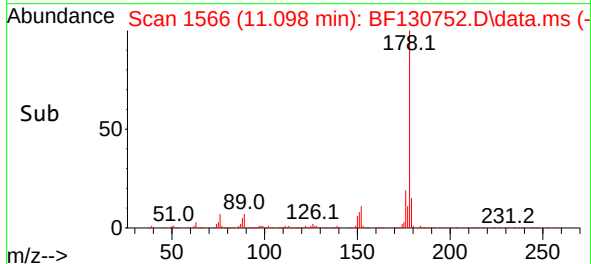
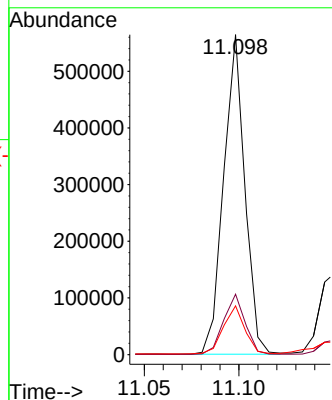
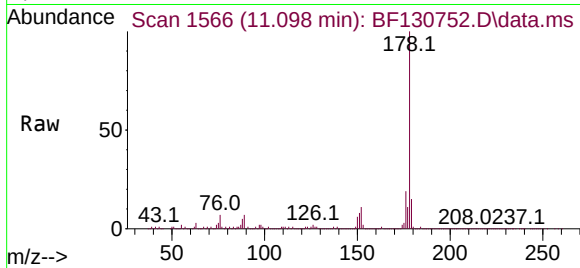




#71
Phenanthrene
Concen: 44.848 ng
RT: 11.098 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

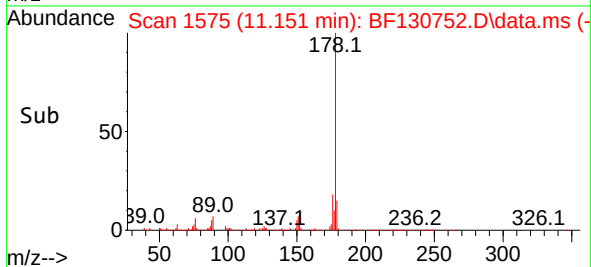
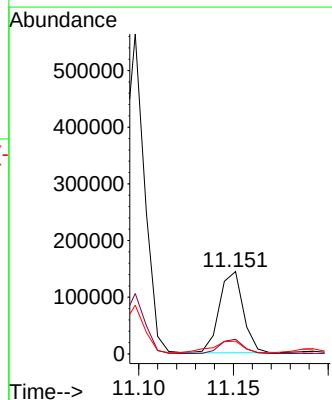
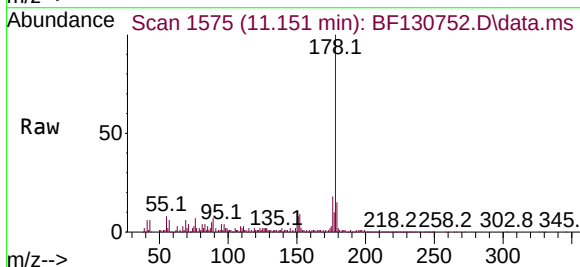
Instrument :
BNA_F
ClientSampleId :
EO-02-101822

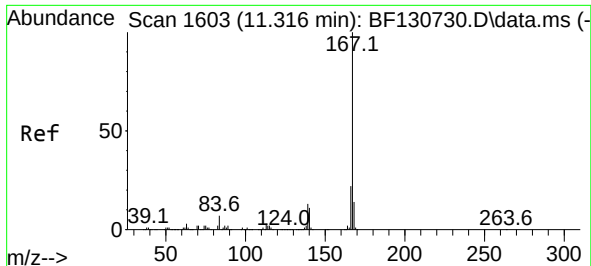
Tgt Ion:178 Resp: 439693
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.2 12.4 18.6



#72
Anthracene
Concen: 12.869 ng
RT: 11.151 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

Tgt Ion:178 Resp: 125900
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 15.4 12.4 18.6

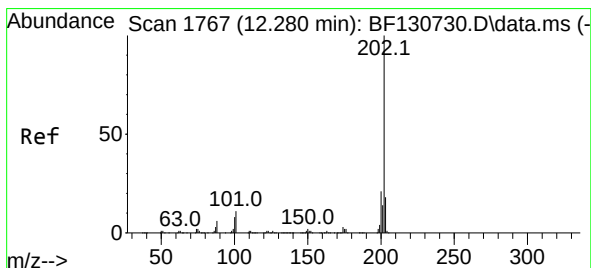
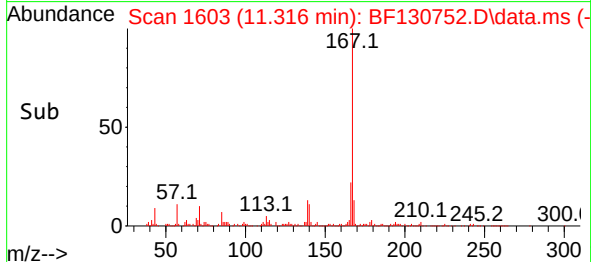
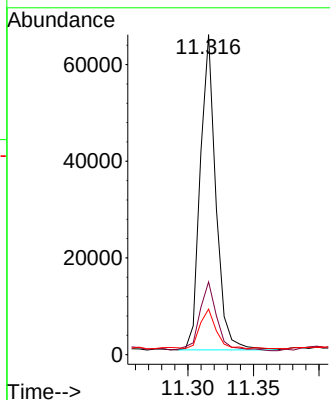
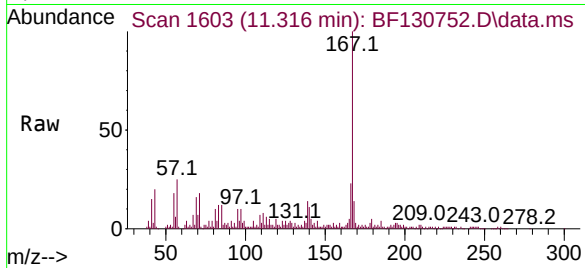




#73
 Carbazole
 Concen: 5.955 ng
 RT: 11.316 min Scan# 1603
 Delta R.T. 0.000 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55

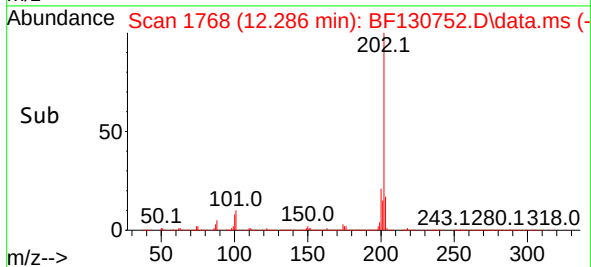
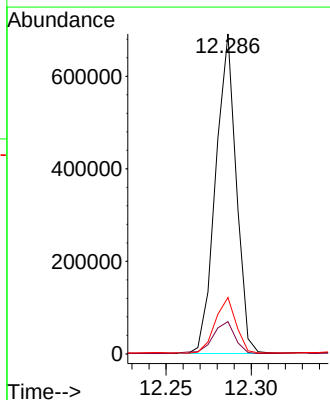
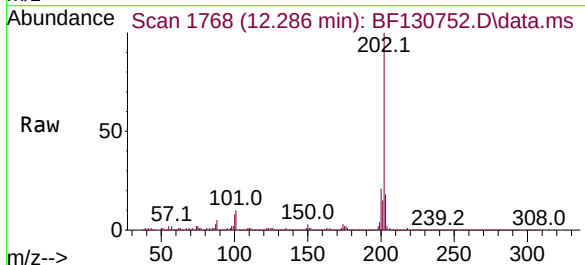
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-101822

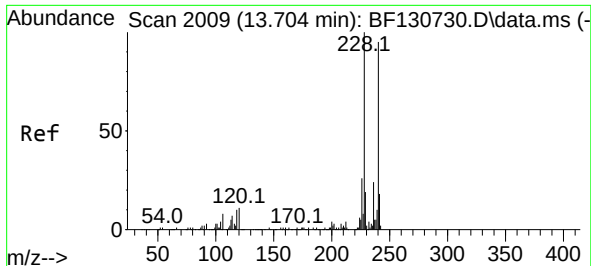
Tgt Ion:167 Resp: 53788
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.3 25.9
 139 14.2 10.7 16.1



#75
 Fluoranthene
 Concen: 58.687 ng
 RT: 12.286 min Scan# 1768
 Delta R.T. 0.006 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55

Tgt Ion:202 Resp: 581671
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.0
 203 17.6 0.0 37.6

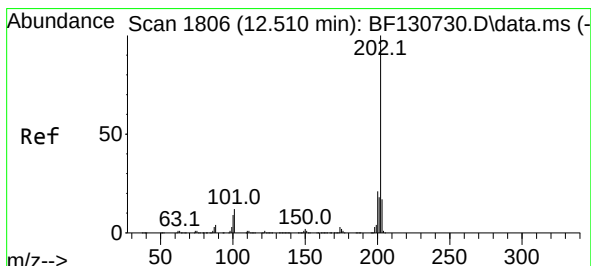
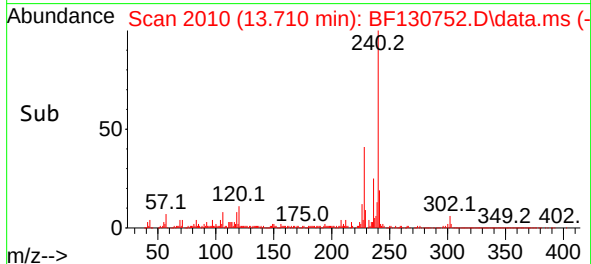
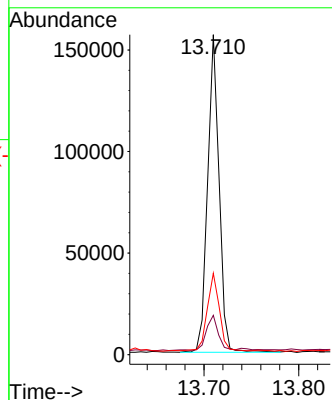
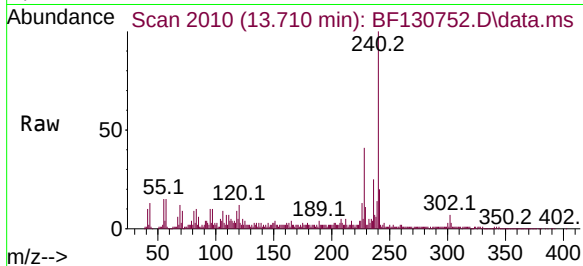




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.710 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

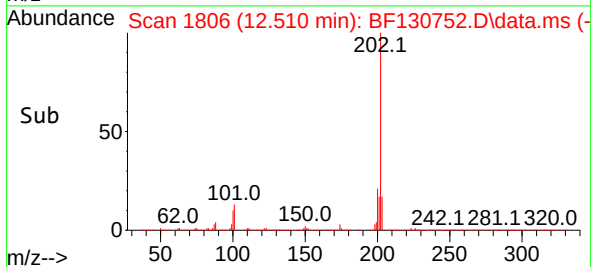
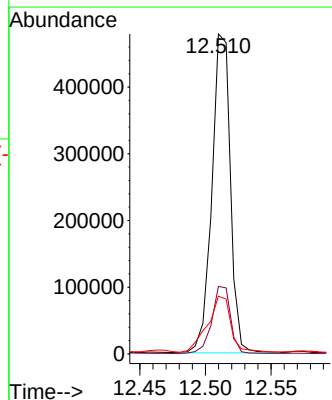
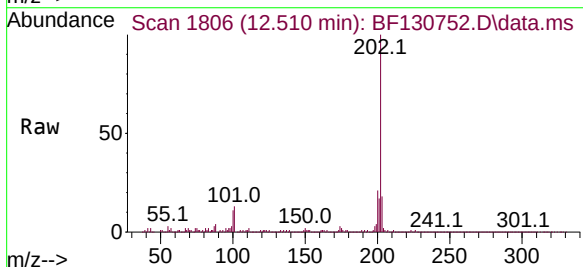
Instrument :
BNA_F
ClientSampleId :
EO-02-101822

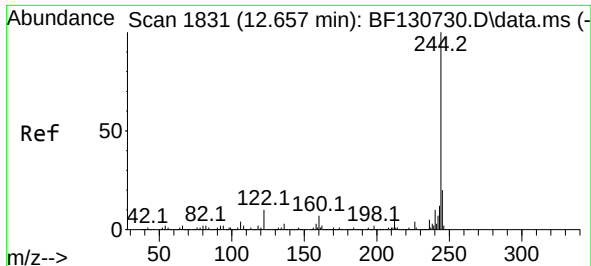
Tgt Ion:240 Resp: 132155
Ion Ratio Lower Upper
240 100
120 12.3 9.6 14.4
236 25.5 20.2 30.2



#78
Pyrene
Concen: 42.432 ng
RT: 12.510 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

Tgt Ion:202 Resp: 470689
Ion Ratio Lower Upper
202 100
200 21.1 16.8 25.2
203 18.0 13.8 20.8

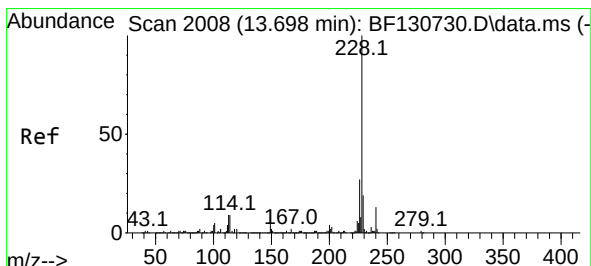
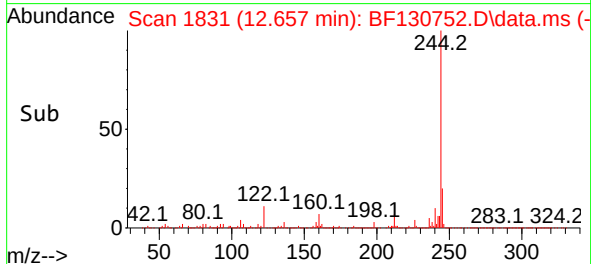
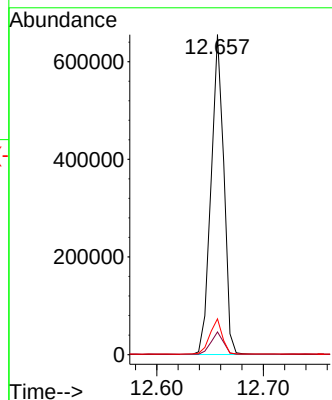
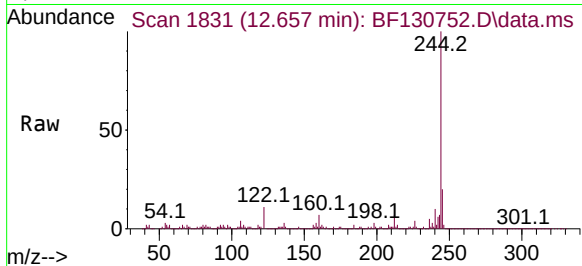




#79
 Terphenyl-d14
 Concen: 69.491 ng
 RT: 12.657 min Scan# 1831
 Delta R.T. -0.000 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55

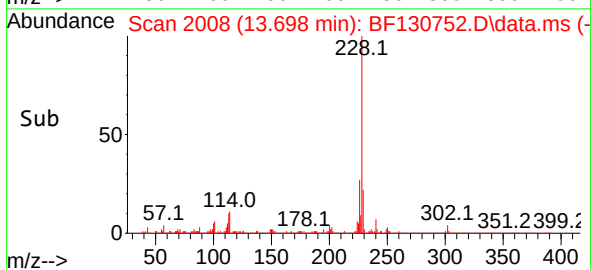
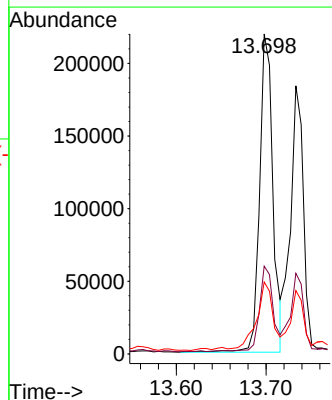
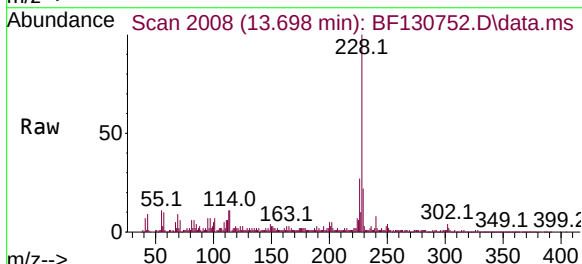
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-101822

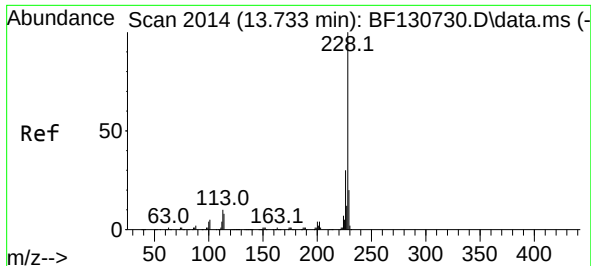
Tgt Ion:244 Resp: 544958
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 11.2 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 25.512 ng
 RT: 13.698 min Scan# 2008
 Delta R.T. 0.000 min
 Lab File: BF130752.D
 Acq: 21 Oct 2022 18:55

Tgt Ion:228 Resp: 225282
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.8 32.8
 229 22.5 15.4 23.2

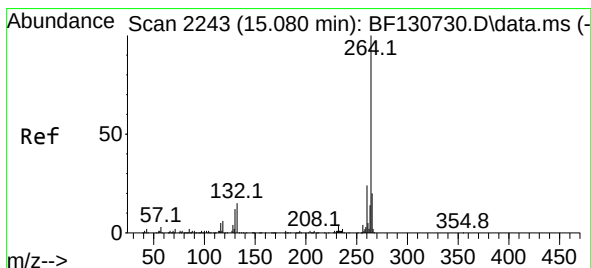
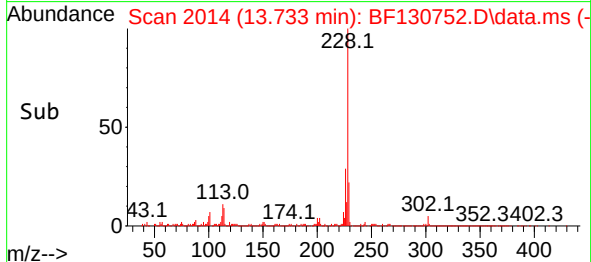
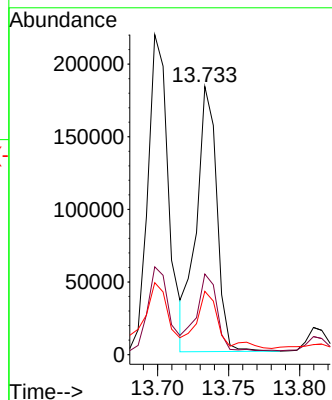
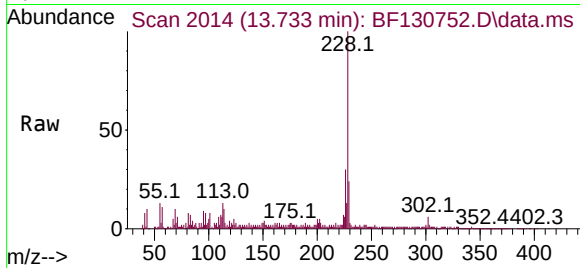




#83
Chrysene
Concen: 21.430 ng
RT: 13.733 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

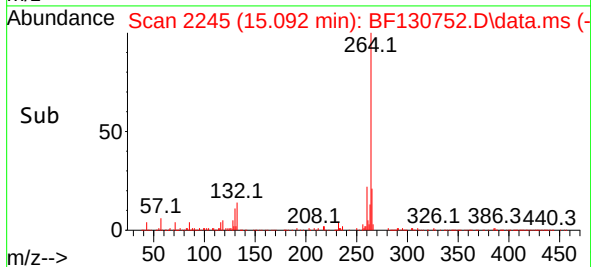
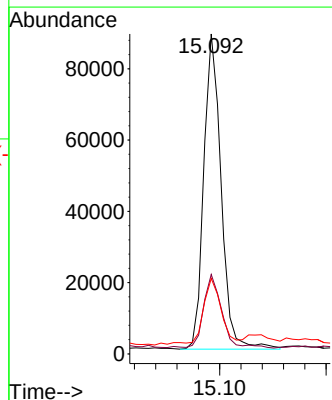
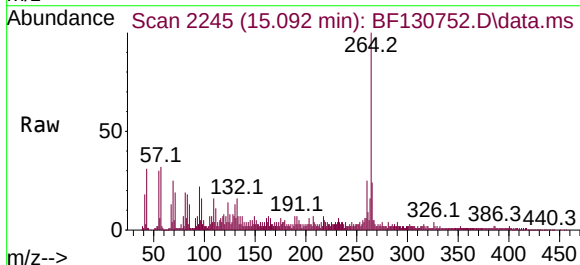
Instrument :
BNA_F
ClientSampleId :
EO-02-101822

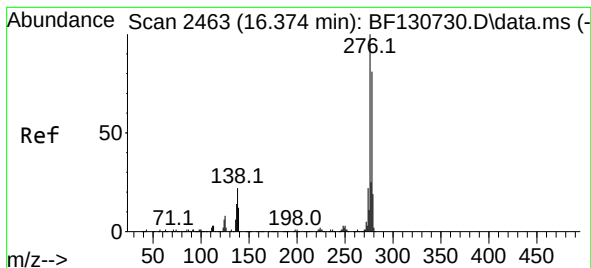
Tgt Ion:228 Resp: 183349
Ion Ratio Lower Upper
228 100
226 30.1 23.6 35.4
229 23.6 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.092 min Scan# 2245
Delta R.T. 0.012 min
Lab File: BF130752.D
Acq: 21 Oct 2022 18:55

Tgt Ion:264 Resp: 99872
Ion Ratio Lower Upper
264 100
260 24.8 18.8 28.2
265 23.6 16.2 24.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.814 ng

RT: 16.404 min Scan# 24

Delta R.T. 0.030 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

Instrument :

BNA_F

ClientSampleId :

EO-02-101822

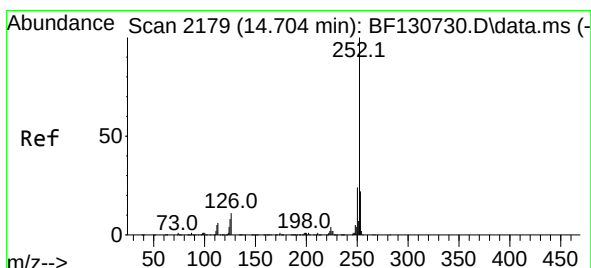
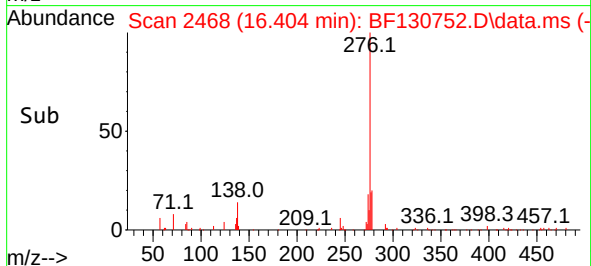
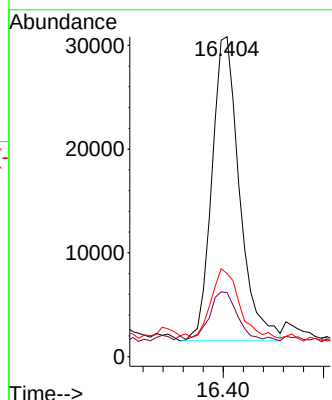
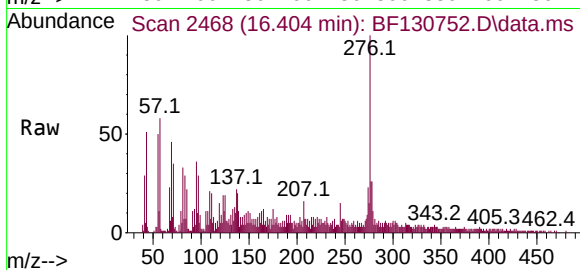
Tgt Ion:276 Resp: 55970

Ion Ratio Lower Upper

276 100

138 16.8 17.2 25.8#

277 23.9 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 35.202 ng

RT: 14.716 min Scan# 2181

Delta R.T. 0.012 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

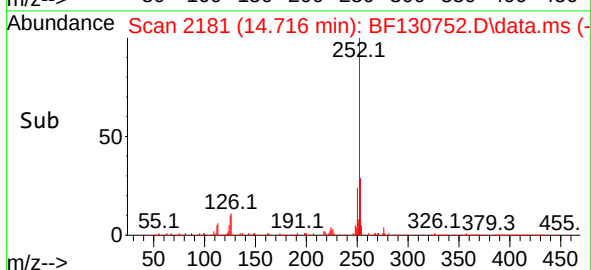
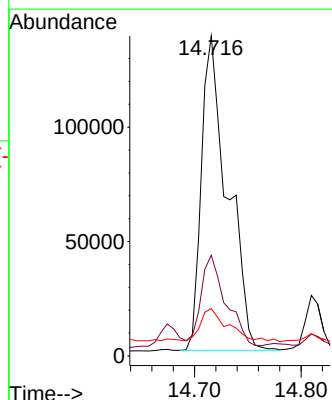
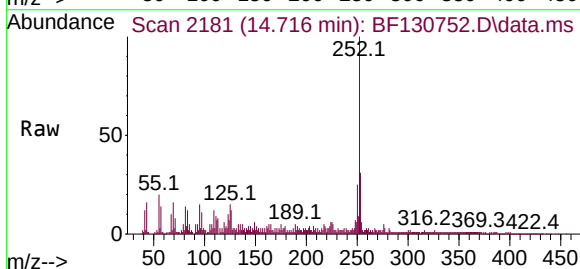
Tgt Ion:252 Resp: 234082

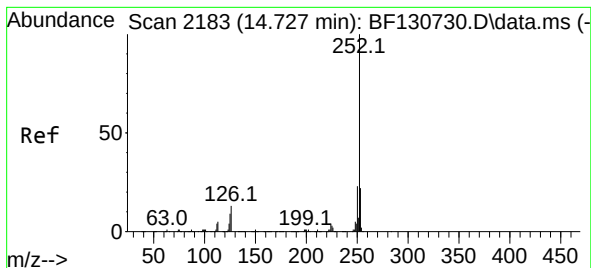
Ion Ratio Lower Upper

252 100

253 31.4 17.4 26.0#

125 14.8 6.4 9.6#





#89

Benzo(k)fluoranthene

Concen: 35.038 ng

RT: 14.716 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

Instrument :

BNA_F

ClientSampleId :

EO-02-101822

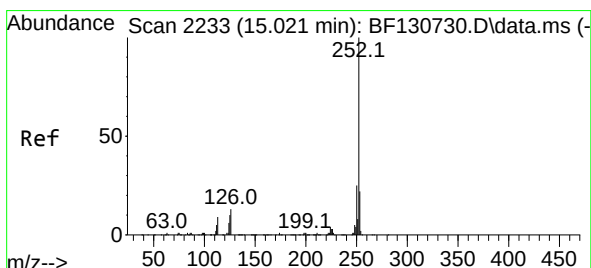
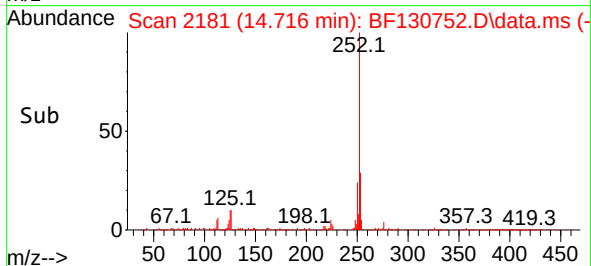
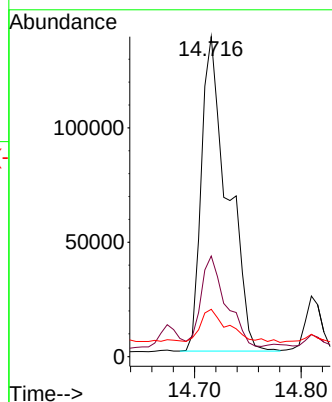
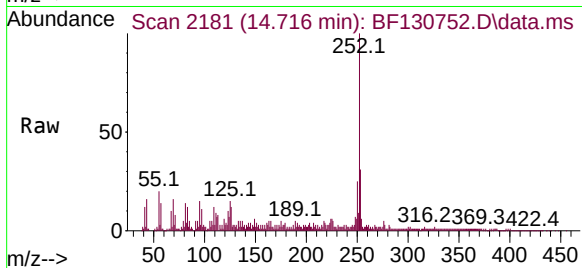
Tgt Ion:252 Resp: 234082

Ion Ratio Lower Upper

252 100

253 31.4 17.7 26.5#

125 14.8 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 22.837 ng

RT: 15.039 min Scan# 2236

Delta R.T. 0.018 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

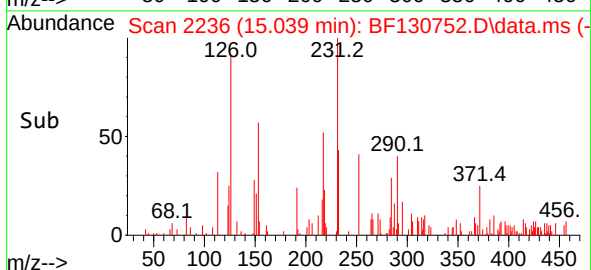
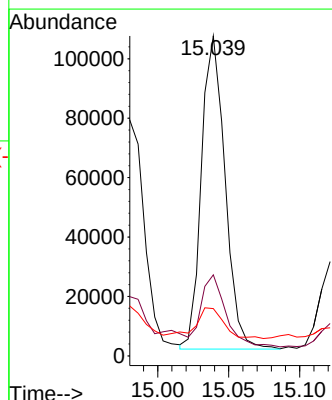
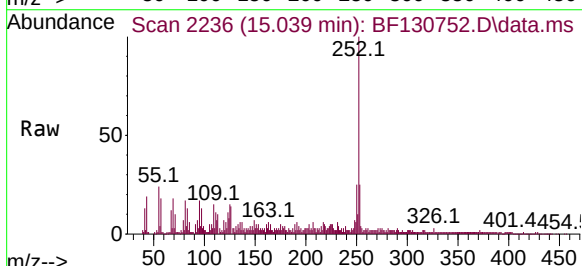
Tgt Ion:252 Resp: 121972

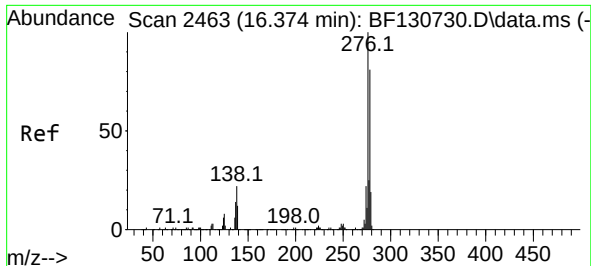
Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.0

125 14.8 8.3 12.5#





#91

Dibenzo(a,h)anthracene

Concen: 2.621 ng

RT: 16.398 min Scan# 2467

Delta R.T. 0.024 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

Instrument :

BNA_F

ClientSampleId :

EO-02-101822

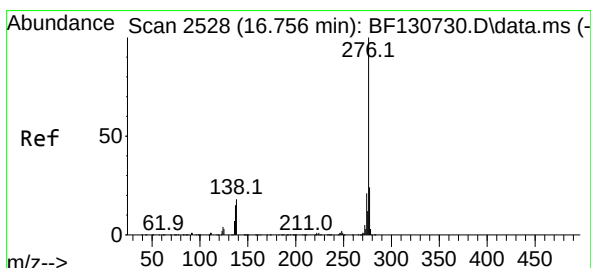
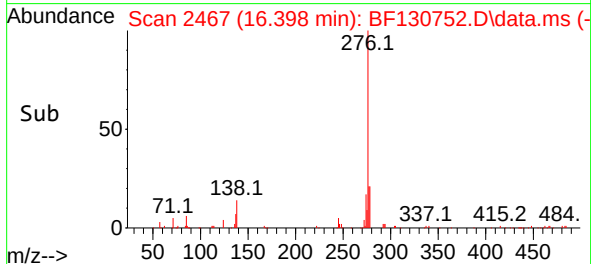
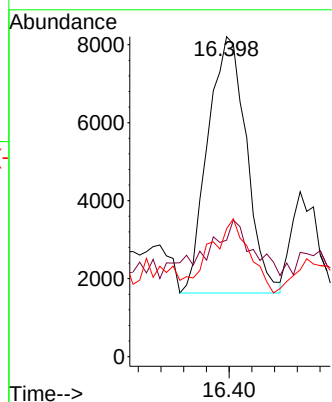
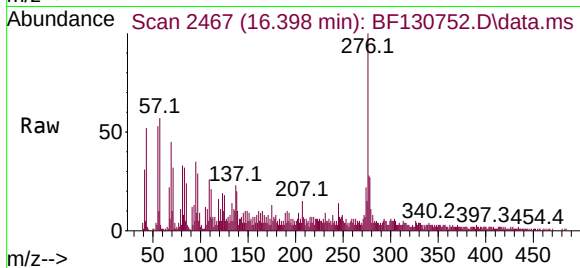
Tgt Ion:278 Resp: 15514

Ion Ratio Lower Upper

278 100

139 36.4 11.4 17.0#

279 39.9 18.4 27.6#



#92

Benzo(g,h,i)perylene

Concen: 8.751 ng

RT: 16.792 min Scan# 2534

Delta R.T. 0.035 min

Lab File: BF130752.D

Acq: 21 Oct 2022 18:55

Tgt Ion:276 Resp: 51947

Ion Ratio Lower Upper

276 100

277 30.6 19.1 28.7#

138 22.9 14.2 21.2#

