

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131792.D
 Acq On : 22 Dec 2022 23:30
 Operator : CG\JU
 Sample : N6163-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-122022

Quant Time: Dec 23 03:37:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 03:03:57 2022
 Response via : Initial Calibration

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

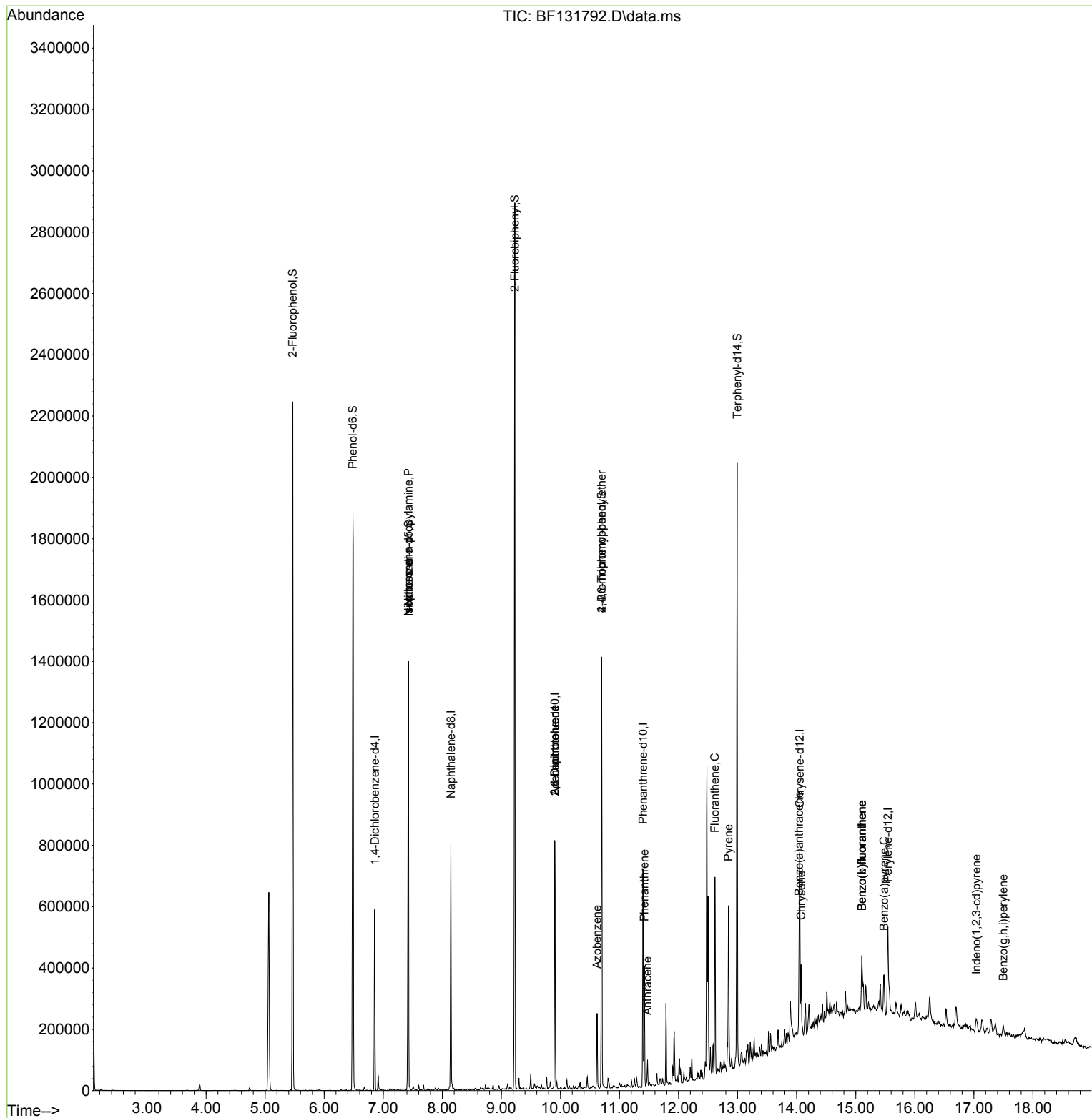
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	82122	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	291610	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	148516	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	228753	20.000	ng	0.00
76) Chrysene-d12	14.051	240	157250	20.000	ng	0.00
86) Perylene-d12	15.545	264	130275	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	524396	107.526	ng	0.01
7) Phenol-d6	6.487	99	695181	105.905	ng	0.00
23) Nitrobenzene-d5	7.428	82	480156	66.844	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	138038	84.917	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	776566	73.247	ng	0.00
79) Terphenyl-d14	12.992	244	599517	59.419	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.404	77	226	Below Cal	#	6
19) n-Nitroso-di-n-propyla...	7.428	70	67360	14.228	ng	# 78
25) Isophorone	7.428	82	478475	39.223	ng	# 70
51) 2,6-Dinitrotoluene	9.904	165	18690	7.778	ng	# 19
57) 2,4-Dinitrotoluene	9.904	165	18690	5.788	ng	# 18
63) Azobenzene	10.622	77	38949	3.294	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	9095	3.366	ng	# 1
71) Phenanthrene	11.422	178	120403	9.653	ng	97
72) Anthracene	11.475	178	27543	2.255	ng	98
75) Fluoranthene	12.616	202	238334	17.156	ng	98
78) Pyrene	12.845	202	209214	14.633	ng	99
81) Benzo(a)anthracene	14.039	228	96805	8.548	ng	94
83) Chrysene	14.074	228	84027	7.861	ng	97
87) Indeno(1,2,3-cd)pyrene	17.045	276	29963	3.424	ng	96
88) Benzo(b)fluoranthene	15.104	252	127117	13.792	ng	# 97
89) Benzo(k)fluoranthene	15.104	252	127117	14.134	ng	# 98
90) Benzo(a)pyrene	15.480	252	61820	8.468	ng	96
92) Benzo(g,h,i)perylene	17.498	276	28647	4.008	ng	96

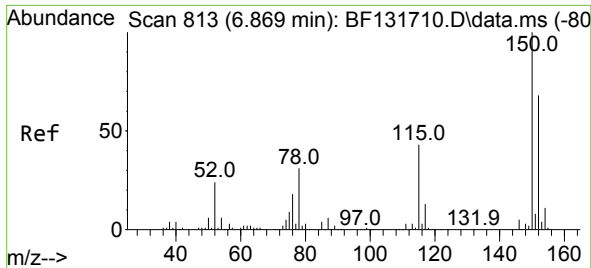
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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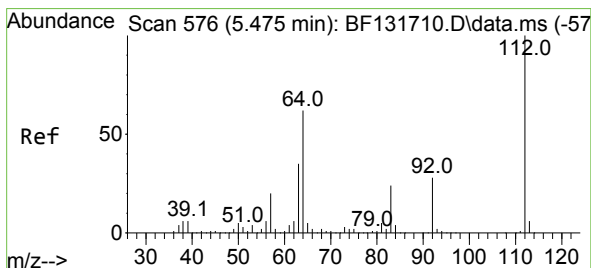
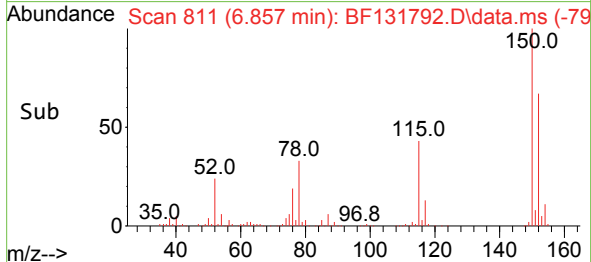
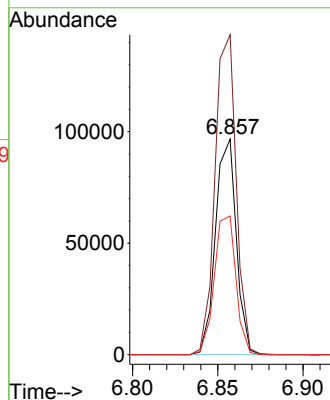
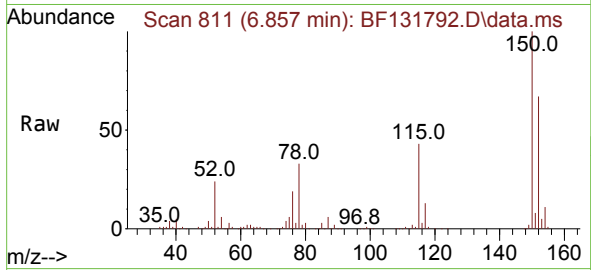




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

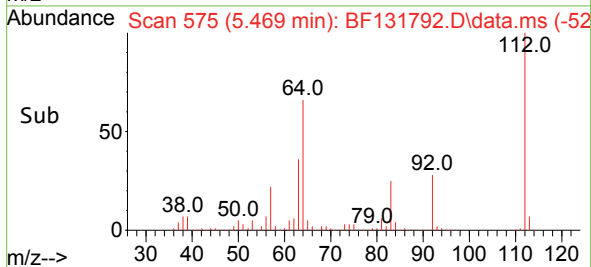
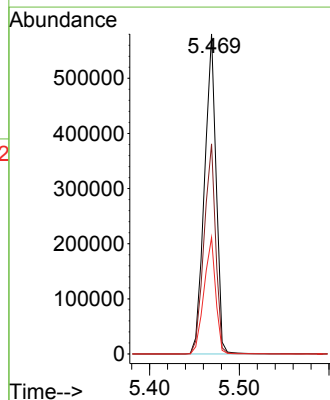
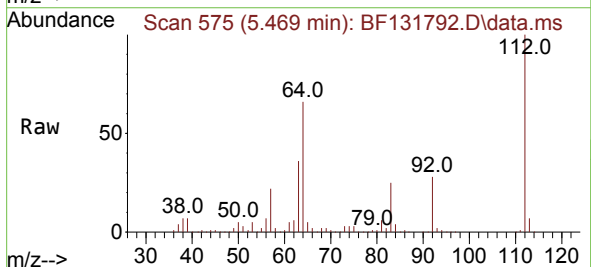
Instrument :
BNA_F
ClientSampleId :
TR-06-122022

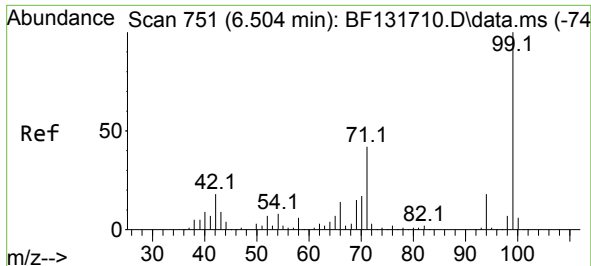
Tgt Ion:152 Resp: 82122
Ion Ratio Lower Upper
152 100
150 148.5 117.4 176.0
115 64.4 50.2 75.4



#5
2-Fluorophenol
Concen: 107.526 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion:112 Resp: 524396
Ion Ratio Lower Upper
112 100
64 65.6 49.5 74.3
63 36.4 28.2 42.2

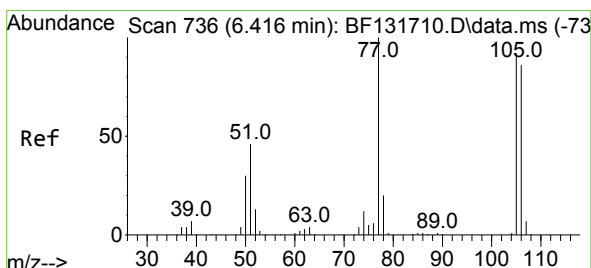
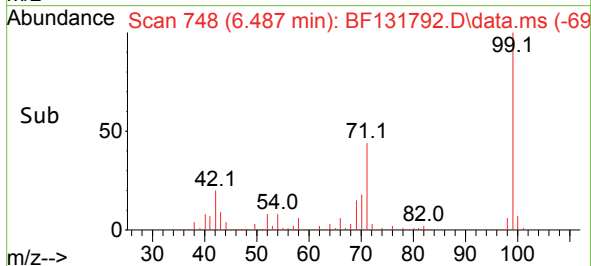
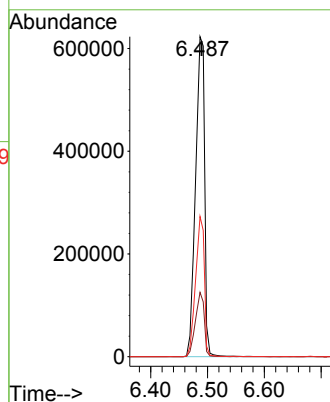
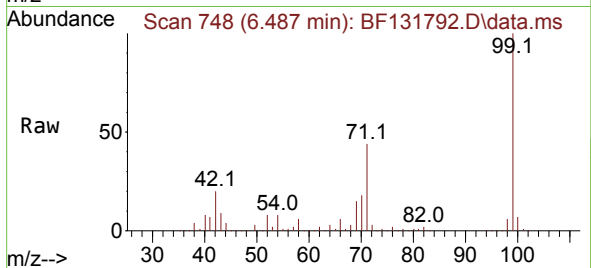




#7
Phenol-d6
Concen: 105.905 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

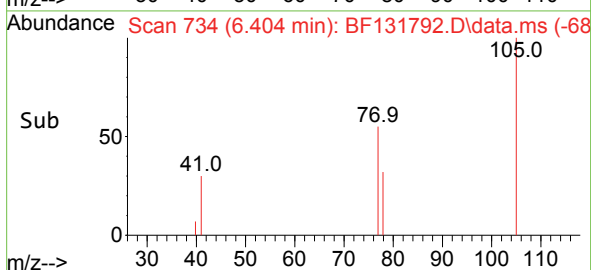
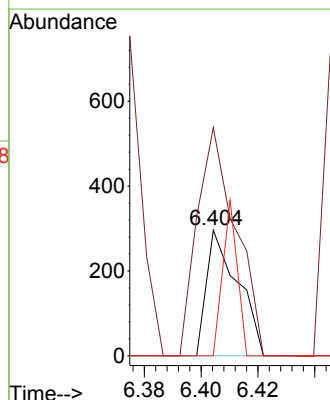
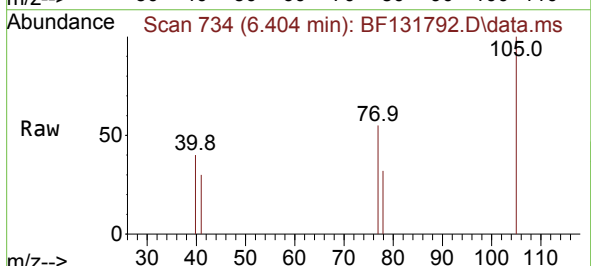
Instrument :
BNA_F
ClientSampleId :
TR-06-122022

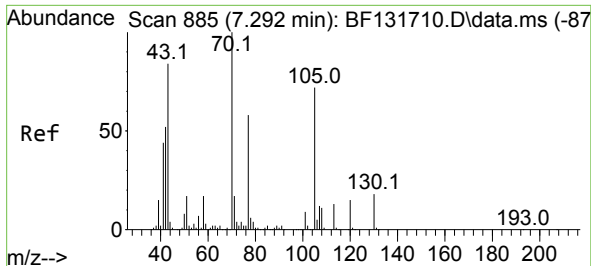
Tgt Ion: 99 Resp: 695181
Ion Ratio Lower Upper
99 100
42 20.1 14.8 22.2
71 43.8 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.404 min Scan# 734
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion: 77 Resp: 226
Ion Ratio Lower Upper
77 100
105 181.8 72.4 112.4#
106 0.0 66.5 106.5#

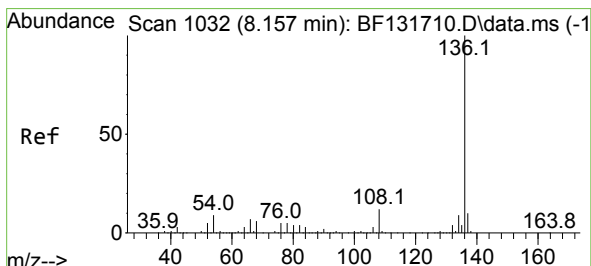
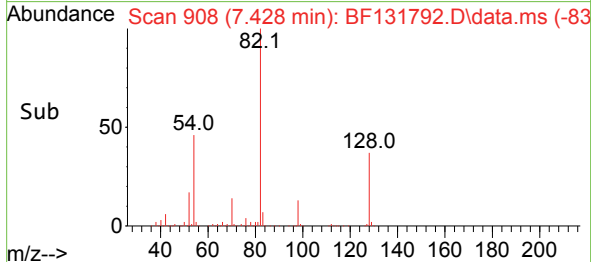
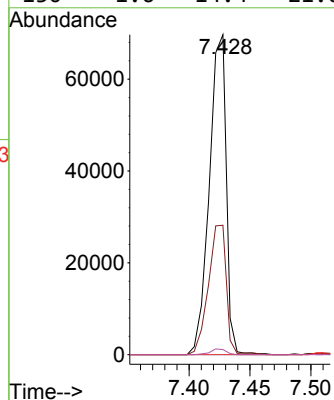
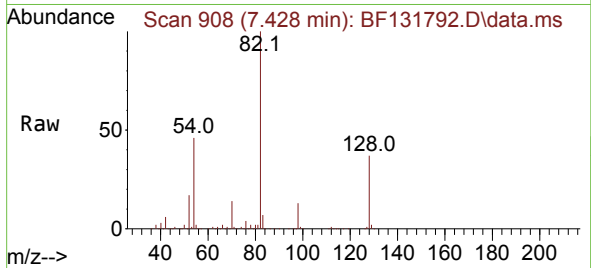




#19
n-Nitroso-di-n-propylamine
Concen: 14.228 ng
RT: 7.428 min Scan# 90
Delta R.T. 0.153 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

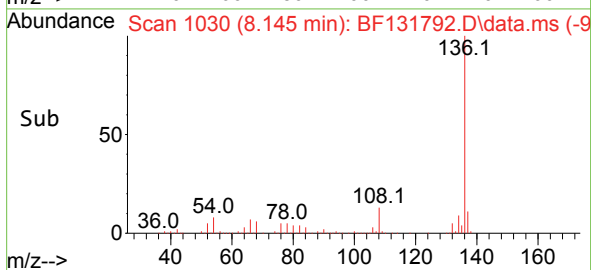
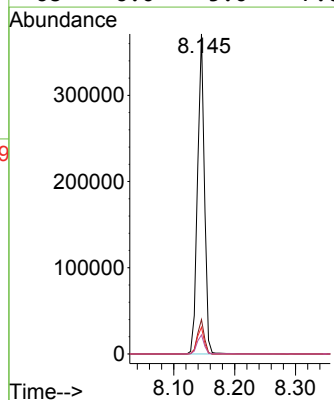
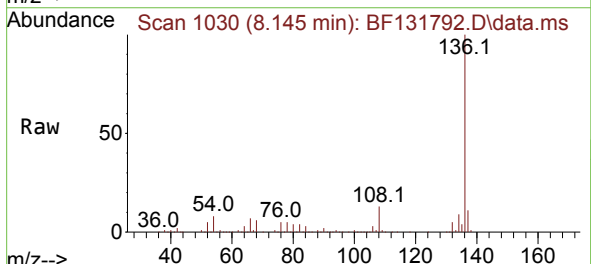
Instrument :
BNA_F
ClientSampleId :
TR-06-122022

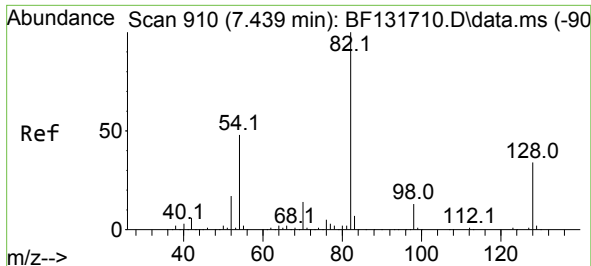
Tgt Ion: 70 Resp: 67360
Ion Ratio Lower Upper
70 100
42 40.5 41.5 62.3#
101 0.0 7.3 10.9#
130 1.6 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion: 136 Resp: 291610
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 8.3 7.2 10.8
68 6.0 5.0 7.6

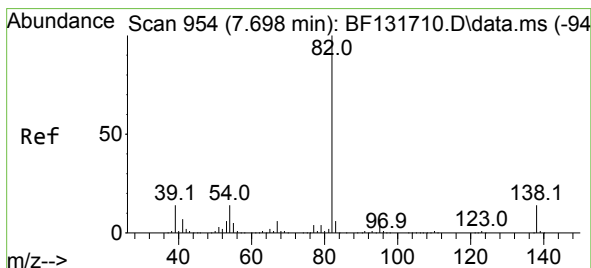
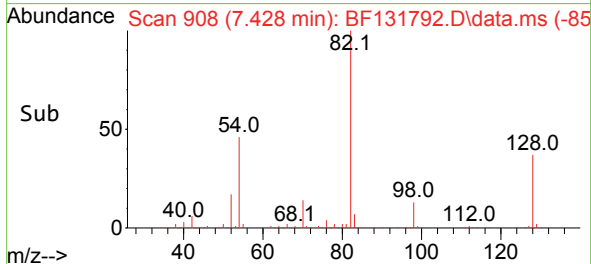
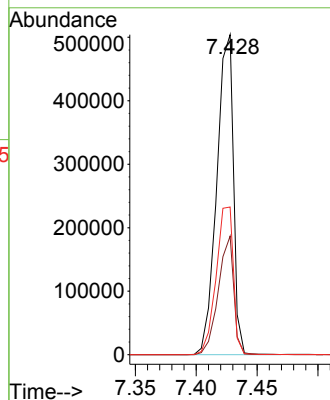
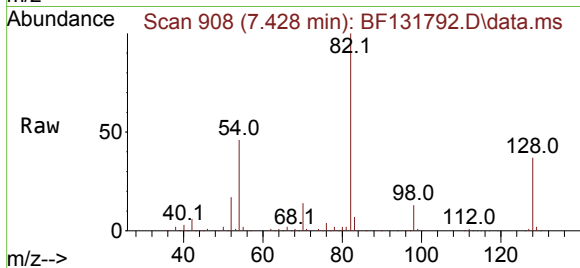




#23
Nitrobenzene-d5
Concen: 66.844 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

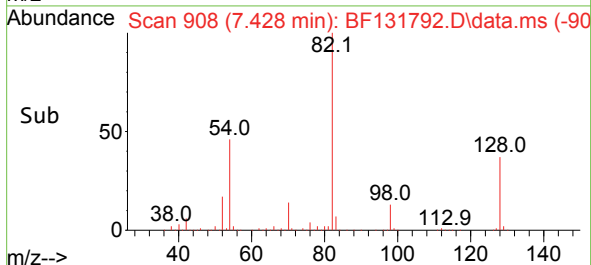
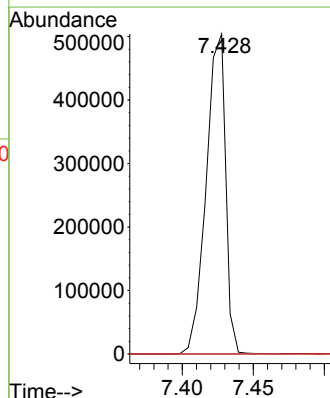
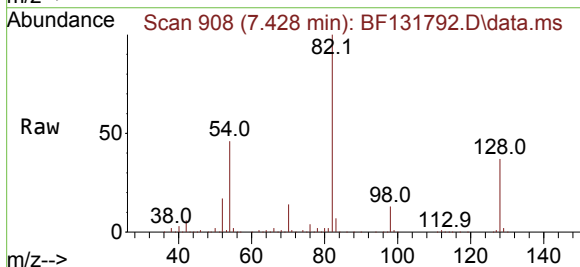
Instrument :
BNA_F
ClientSampleId :
TR-06-122022

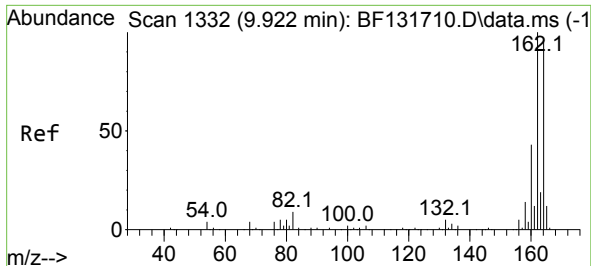
Tgt Ion: 82 Resp: 480156
Ion Ratio Lower Upper
82 100
128 37.0 27.3 40.9
54 46.2 38.2 57.2



#25
Isophorone
Concen: 39.223 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.259 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion: 82 Resp: 478475
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131792.D

Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

TR-06-122022

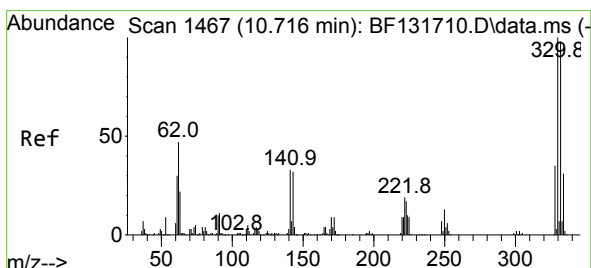
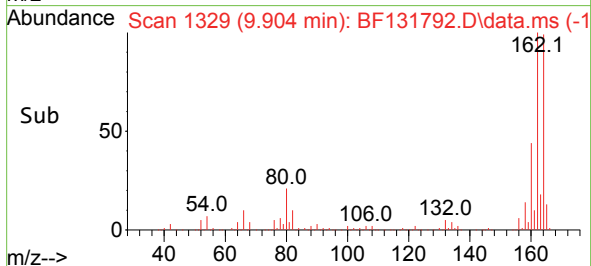
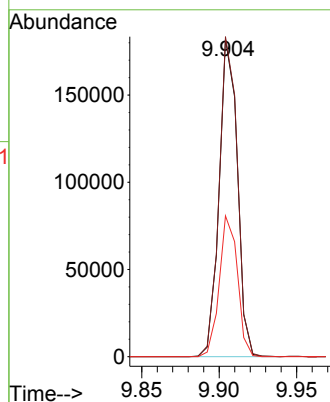
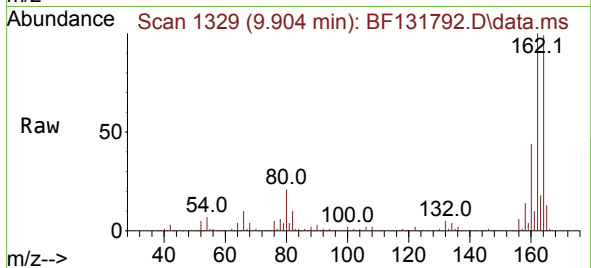
Tgt Ion:164 Resp: 148516

Ion Ratio Lower Upper

164 100

162 100.9 83.7 125.5

160 44.4 36.2 54.4



#42

2,4,6-Tribromophenol

Concen: 84.917 ng

RT: 10.698 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF131792.D

Acq: 22 Dec 2022 23:30

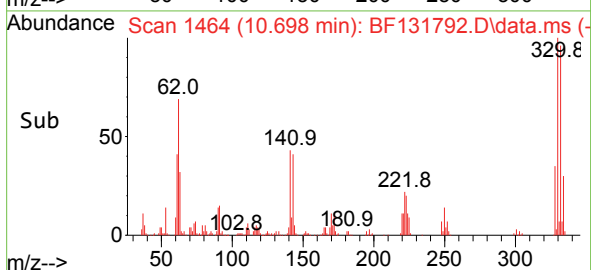
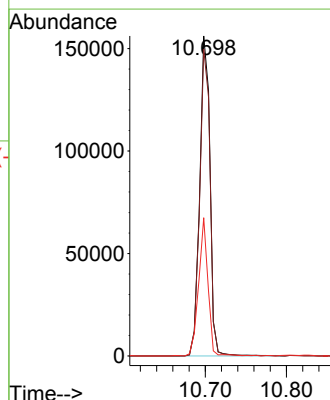
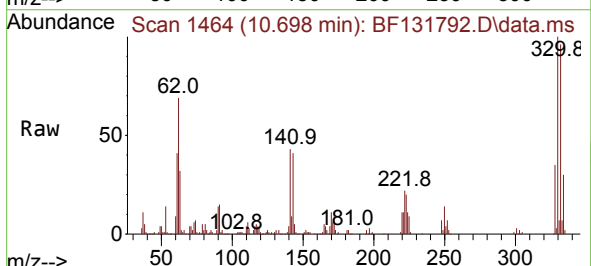
Tgt Ion:330 Resp: 138038

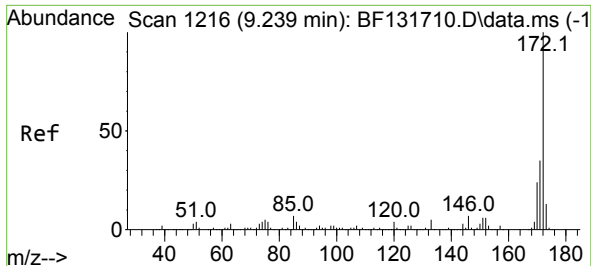
Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 39.7 30.4 45.6

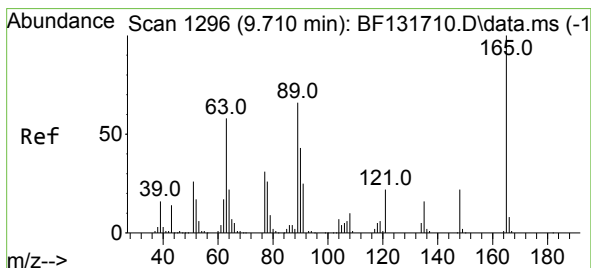
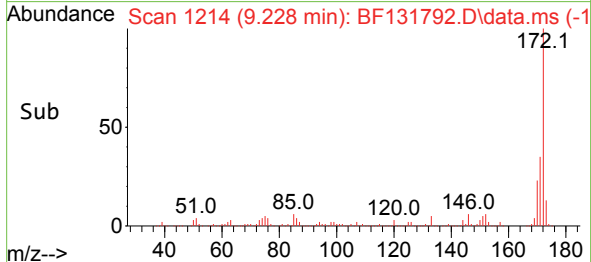
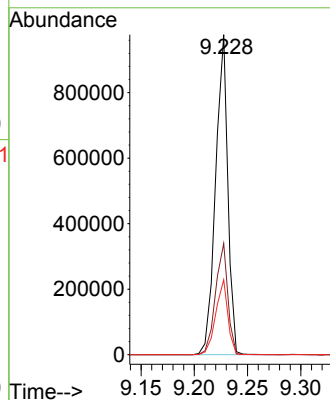
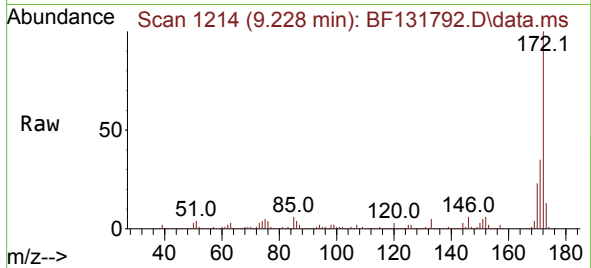




#45
2-Fluorobiphenyl
Concen: 73.247 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

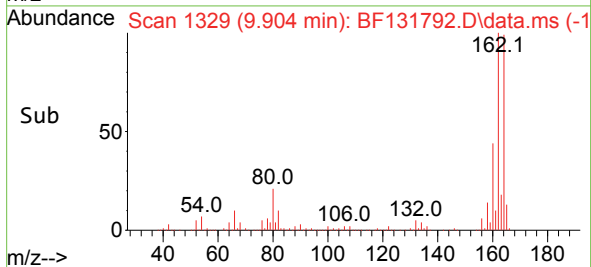
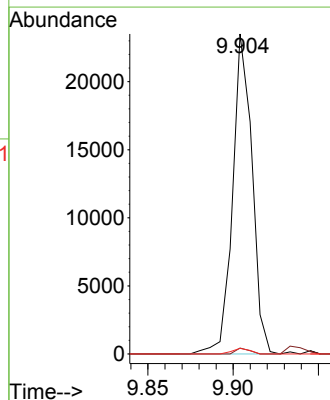
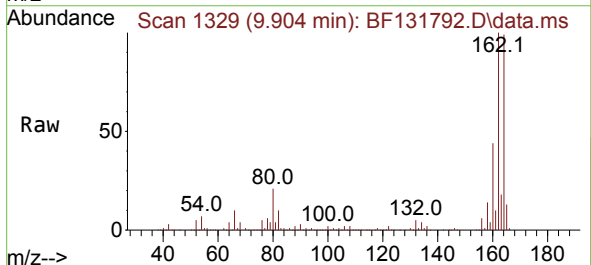
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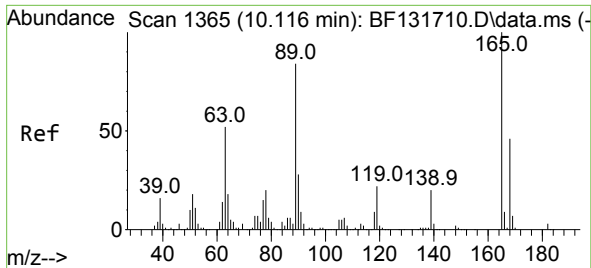
Tgt Ion:172 Resp: 776566
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.4 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 7.778 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion:165 Resp: 18690
Ion Ratio Lower Upper
165 100
63 1.9 51.8 77.8#
89 1.7 53.2 79.8#

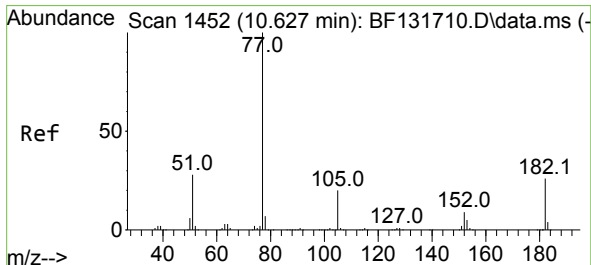
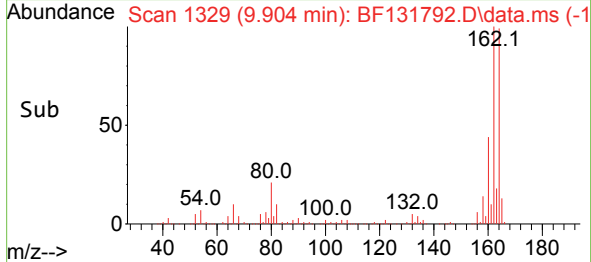
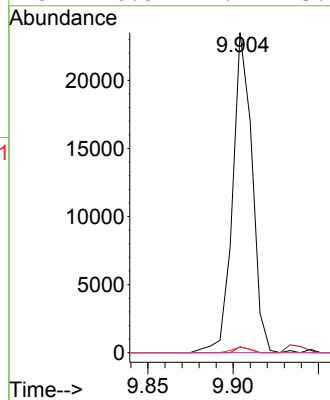
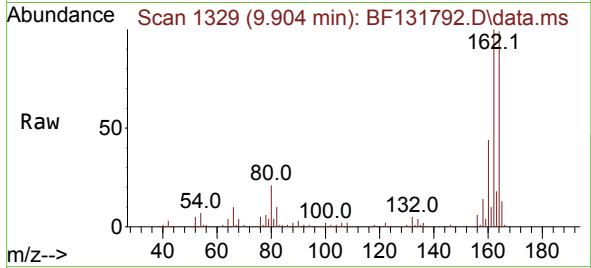




#57
2,4-Dinitrotoluene
Concen: 5.788 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

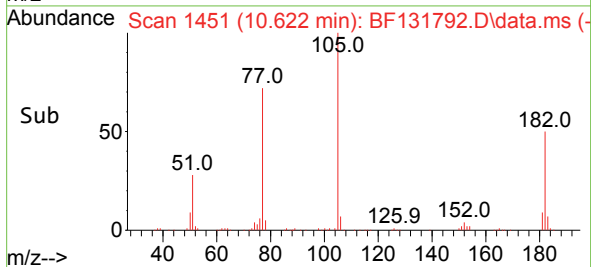
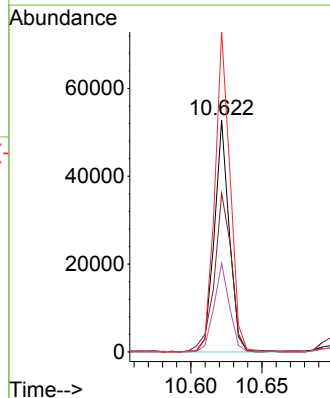
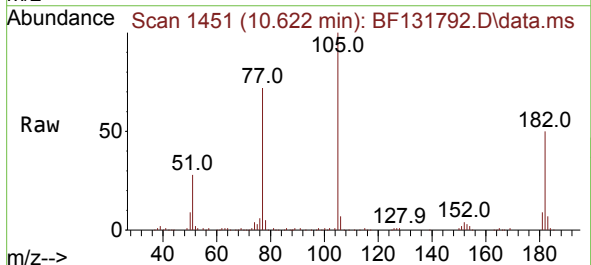
Instrument :
BNA_F
ClientSampleId :
TR-06-122022

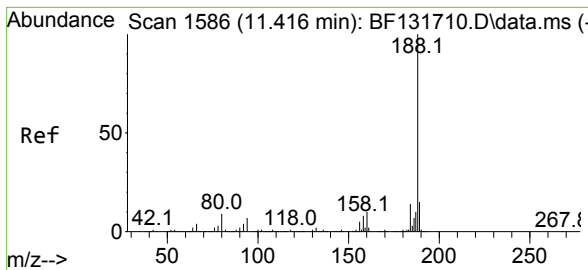
Tgt Ion:165 Resp: 18690
Ion Ratio Lower Upper
165 100
63 1.9 41.5 62.3#
89 1.7 67.0 100.4#
182 0.0 2.2 3.4#



#63
Azobenzene
Concen: 3.294 ng
RT: 10.622 min Scan# 1451
Delta R.T. 0.012 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion: 77 Resp: 38949
Ion Ratio Lower Upper
77 100
182 68.5 5.8 45.8#
105 138.1 0.0 39.7#
51 38.3 8.0 48.0

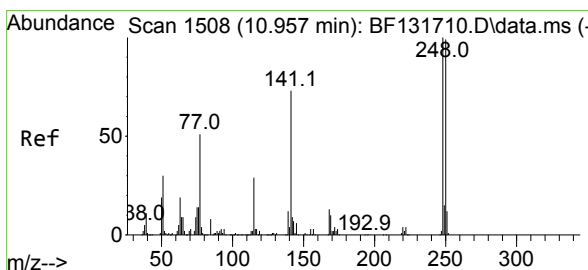
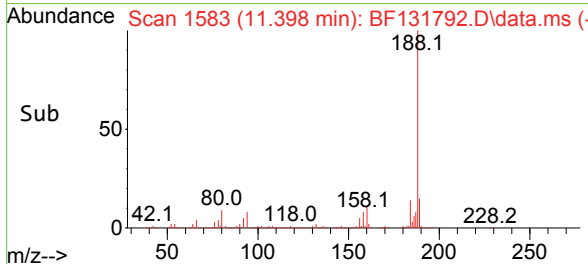
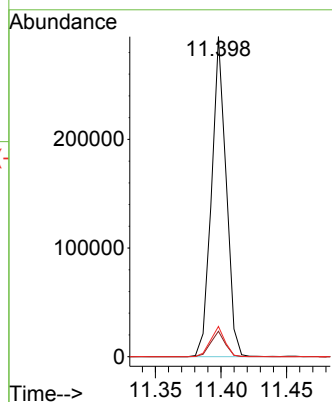
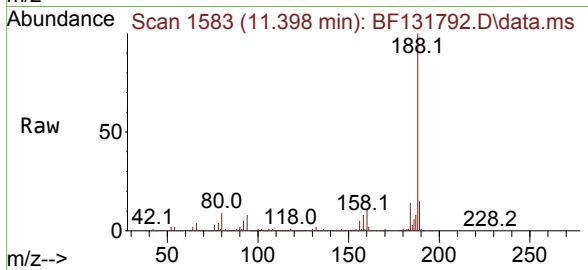




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

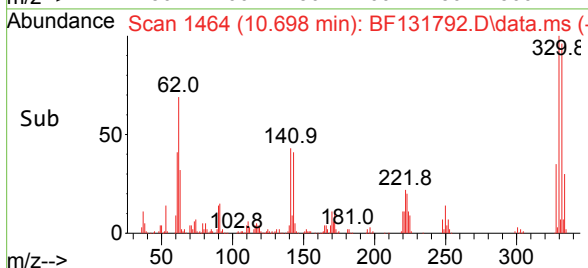
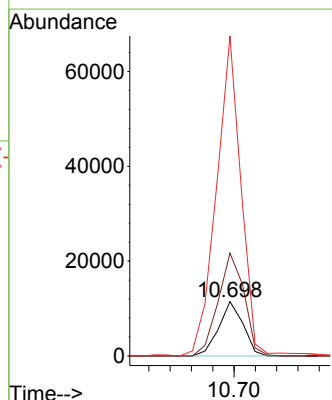
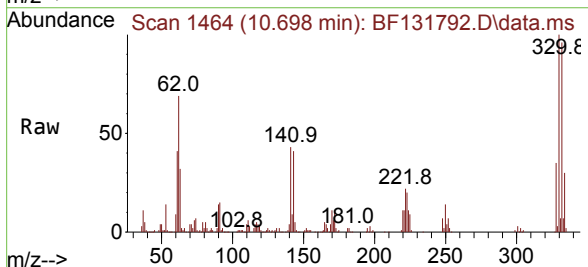
Instrument :
BNA_F
ClientSampleId :
TR-06-122022

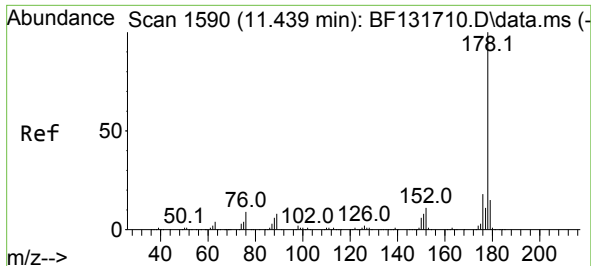
Tgt Ion:188 Resp: 228753
Ion Ratio Lower Upper
188 100
94 7.9 5.9 8.9
80 9.4 7.0 10.6



#67
4-Bromophenyl-phenylether
Concen: 3.366 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion:248 Resp: 9095
Ion Ratio Lower Upper
248 100
250 189.3 79.4 119.0#
141 588.6 58.1 87.1#

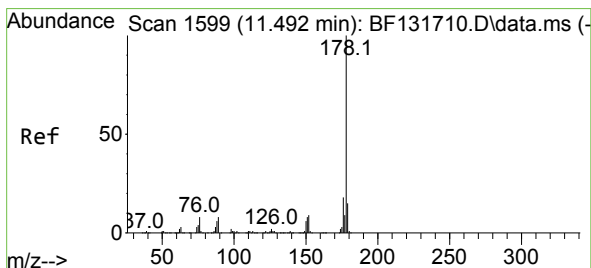
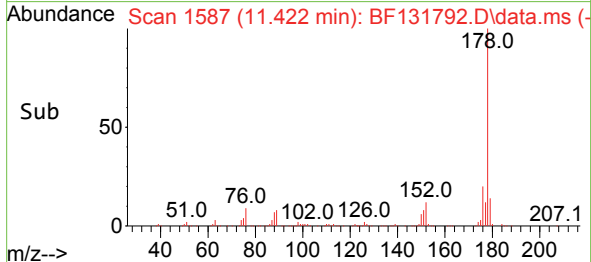
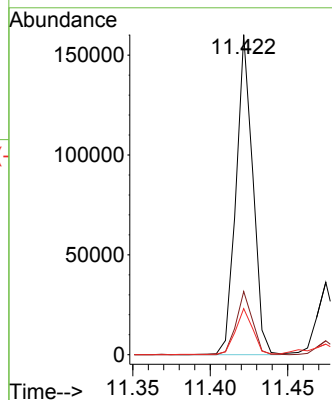
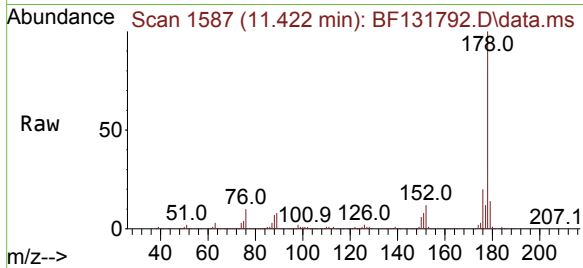




#71
Phenanthrene
Concen: 9.653 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

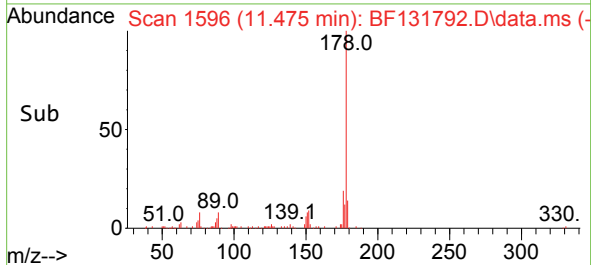
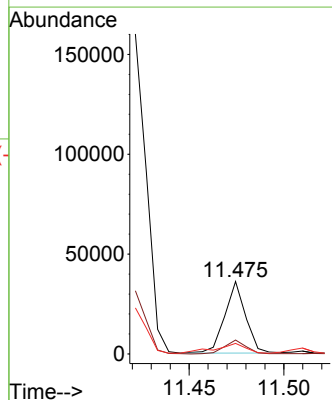
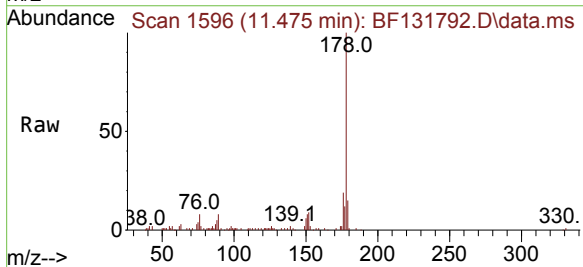
Instrument :
BNA_F
ClientSampleId :
TR-06-122022

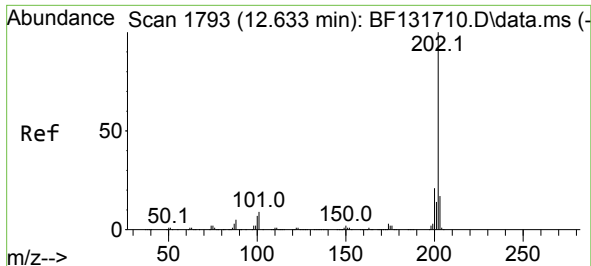
Tgt Ion:178 Resp: 120403
Ion Ratio Lower Upper
178 100
176 19.8 14.8 22.2
179 14.4 12.2 18.4



#72
Anthracene
Concen: 2.255 ng
RT: 11.475 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion:178 Resp: 27543
Ion Ratio Lower Upper
178 100
176 19.2 14.6 21.8
179 14.5 12.2 18.4

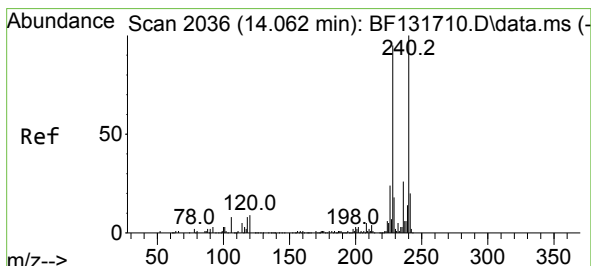
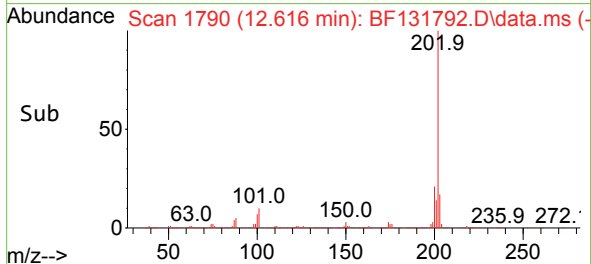
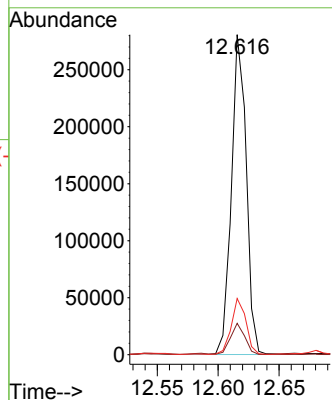
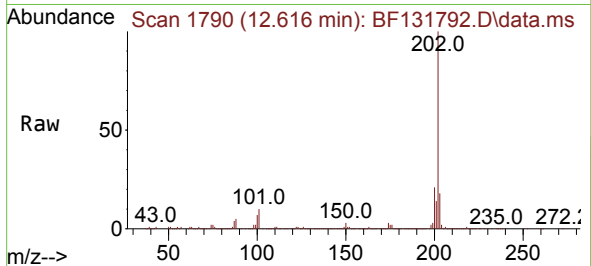




#75
Fluoranthene
Concen: 17.156 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

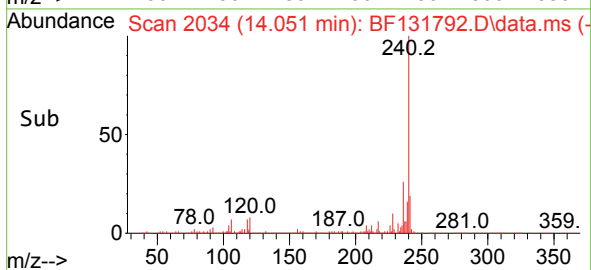
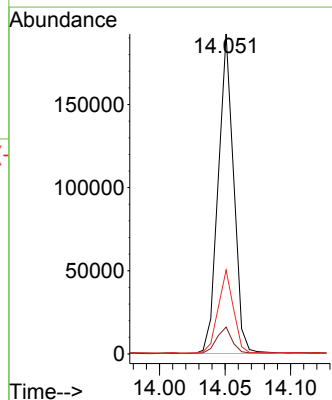
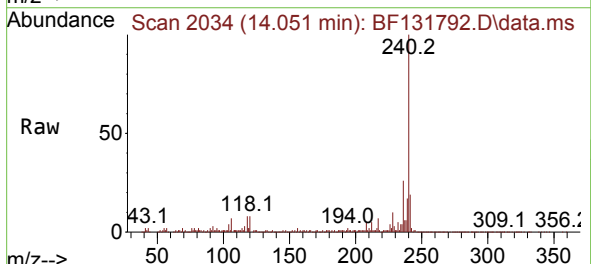
Instrument :
BNA_F
ClientSampleId :
TR-06-122022

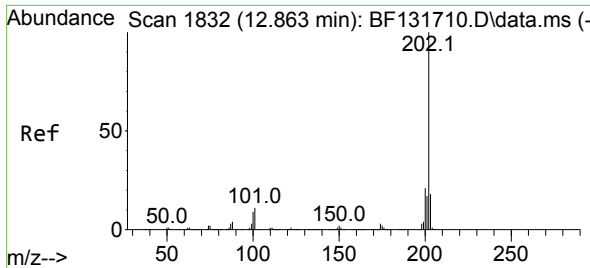
Tgt Ion:202 Resp: 238334
Ion Ratio Lower Upper
202 100
101 9.8 0.0 28.8
203 17.5 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion:240 Resp: 157250
Ion Ratio Lower Upper
240 100
120 8.4 7.6 11.4
236 26.3 21.2 31.8

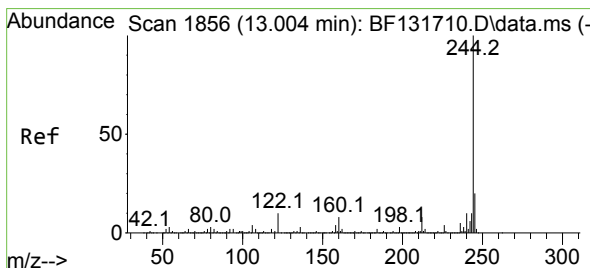
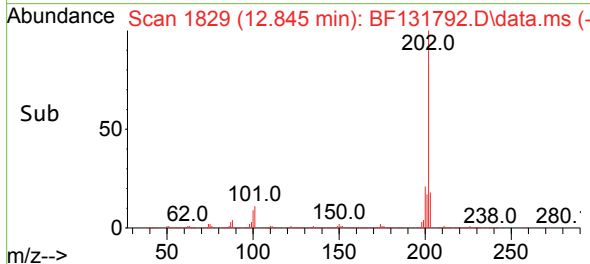
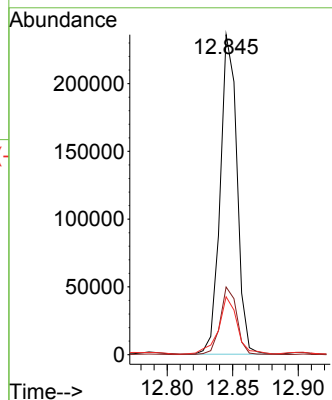
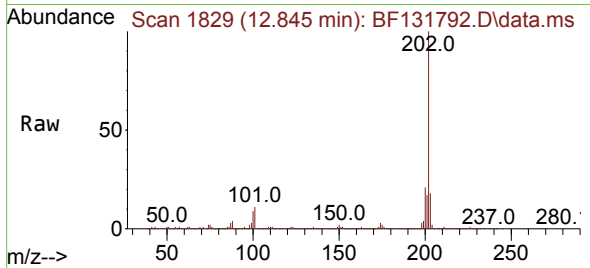




#78
 Pyrene
 Concen: 14.633 ng
 RT: 12.845 min Scan# 1829
 Delta R.T. -0.006 min
 Lab File: BF131792.D
 Acq: 22 Dec 2022 23:30

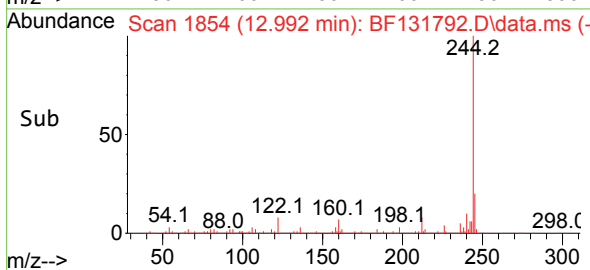
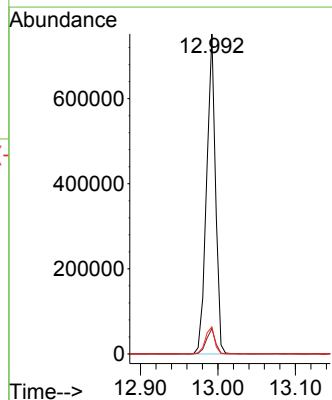
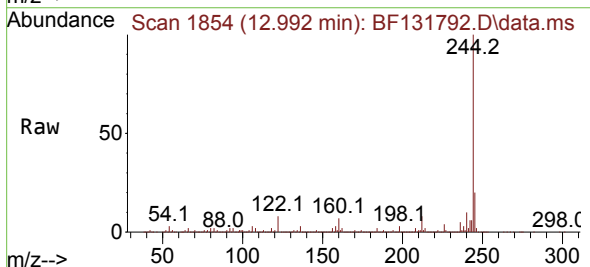
Instrument :
 BNA_F
 ClientSampleId :
 TR-06-122022

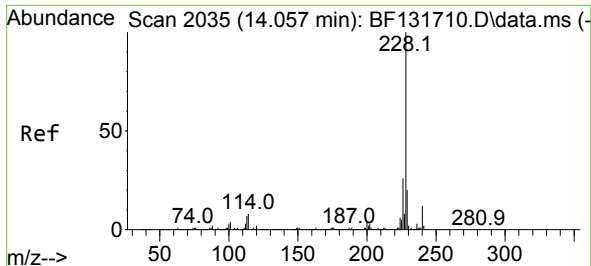
Tgt Ion:202 Resp: 209214
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.1 25.7
 203 18.1 14.1 21.1



#79
 Terphenyl-d14
 Concen: 59.419 ng
 RT: 12.992 min Scan# 1854
 Delta R.T. -0.000 min
 Lab File: BF131792.D
 Acq: 22 Dec 2022 23:30

Tgt Ion:244 Resp: 599517
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.5 9.7
 122 8.5 7.7 11.5

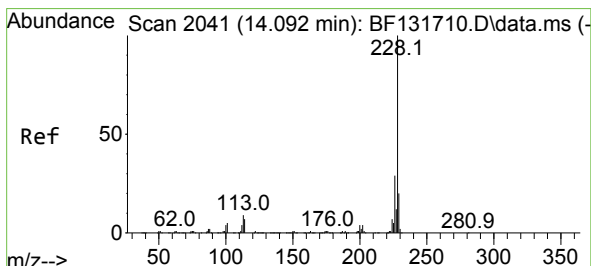
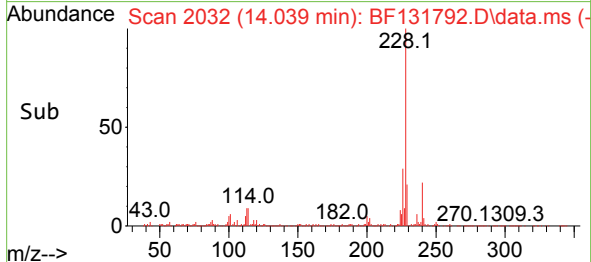
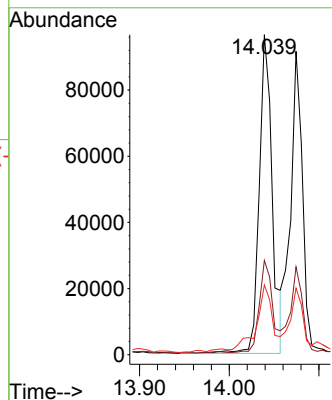
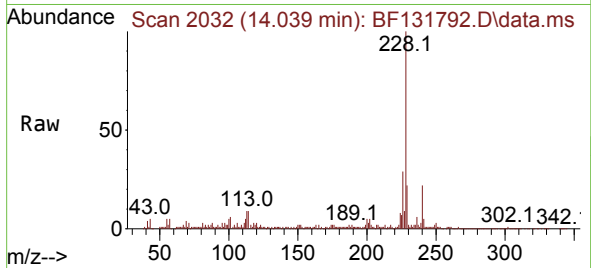




#81
Benzo(a)anthracene
Concen: 8.548 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

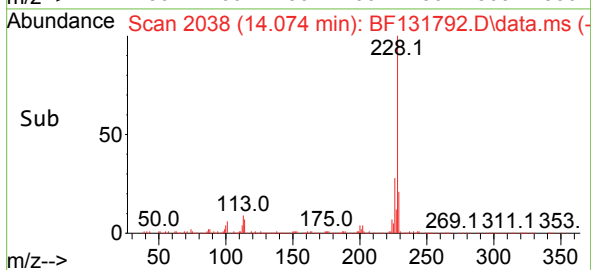
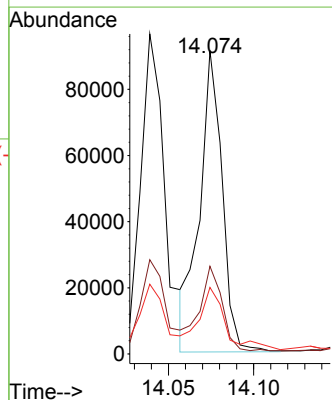
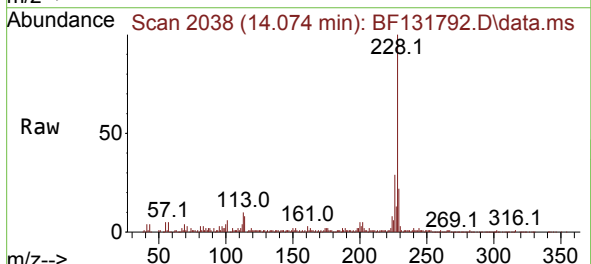
Instrument :
BNA_F
ClientSampleId :
TR-06-122022

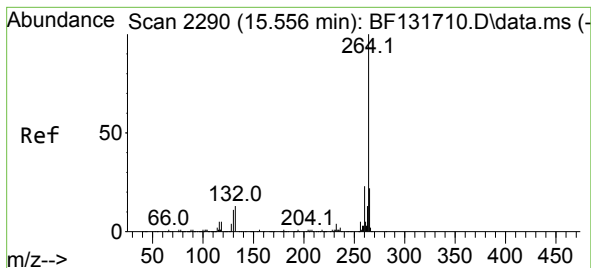
Tgt Ion:228 Resp: 96805
Ion Ratio Lower Upper
228 100
226 29.5 21.0 31.4
229 21.8 15.8 23.8



#83
Chrysene
Concen: 7.861 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF131792.D
Acq: 22 Dec 2022 23:30

Tgt Ion:228 Resp: 84027
Ion Ratio Lower Upper
228 100
226 28.9 23.5 35.3
229 21.9 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131792.D

Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

TR-06-122022

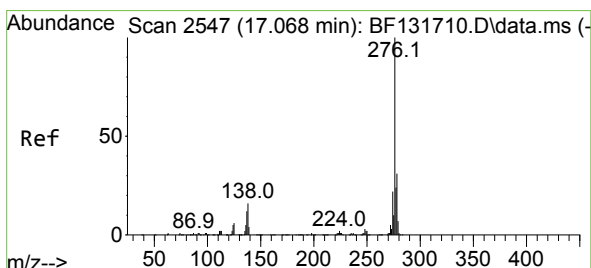
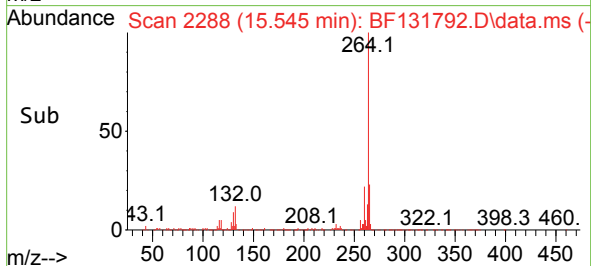
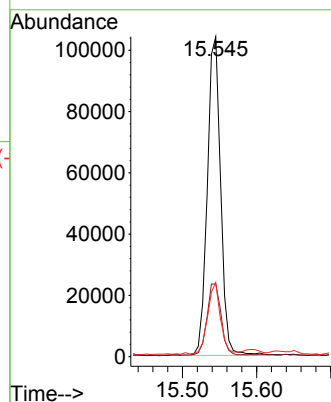
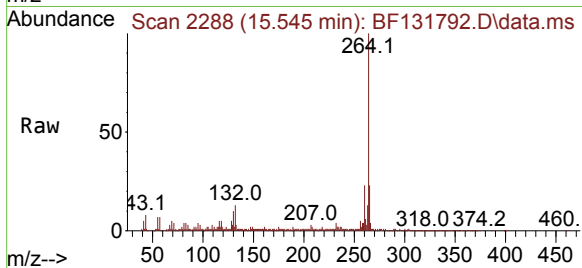
Tgt Ion:264 Resp: 130275

Ion Ratio Lower Upper

264 100

260 22.7 18.6 28.0

265 23.2 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.424 ng

RT: 17.045 min Scan# 2543

Delta R.T. 0.006 min

Lab File: BF131792.D

Acq: 22 Dec 2022 23:30

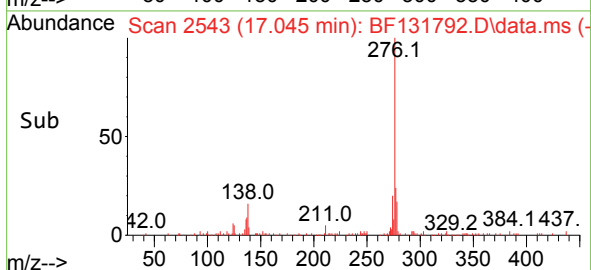
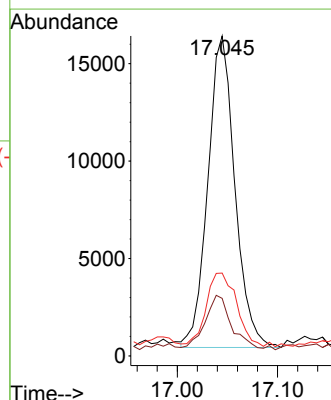
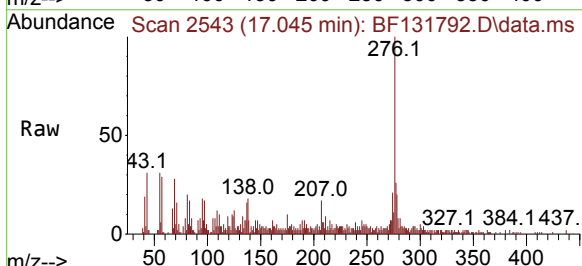
Tgt Ion:276 Resp: 29963

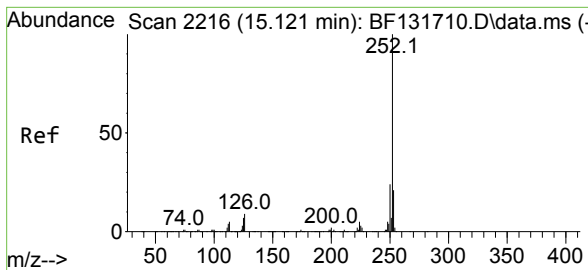
Ion Ratio Lower Upper

276 100

138 16.2 14.4 21.6

277 26.5 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 13.792 ng

RT: 15.104 min Scan# 2213

Delta R.T. 0.006 min

Lab File: BF131792.D

Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

TR-06-122022

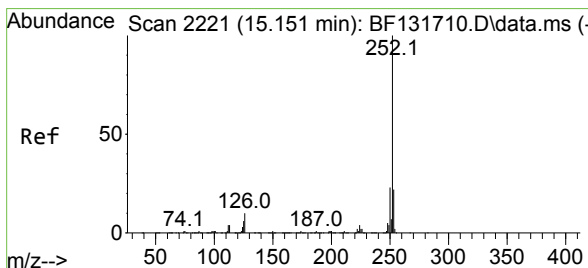
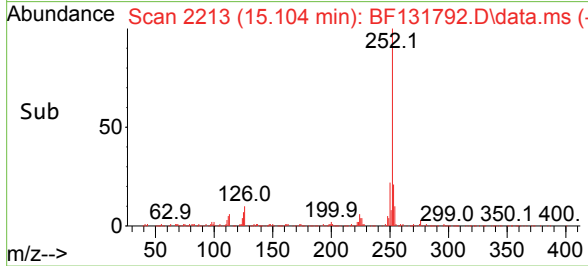
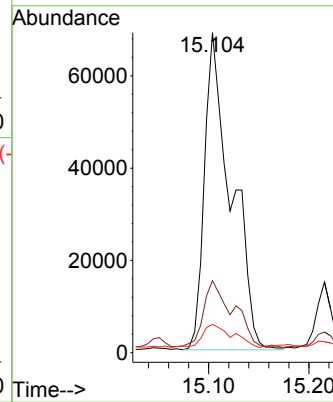
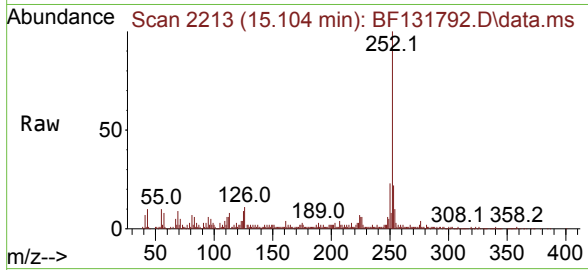
Tgt Ion:252 Resp: 127117

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

125 8.8 5.5 8.3#



#89

Benzo(k)fluoranthene

Concen: 14.134 ng

RT: 15.104 min Scan# 2213

Delta R.T. -0.024 min

Lab File: BF131792.D

Acq: 22 Dec 2022 23:30

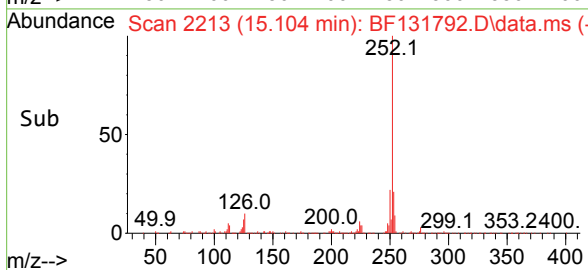
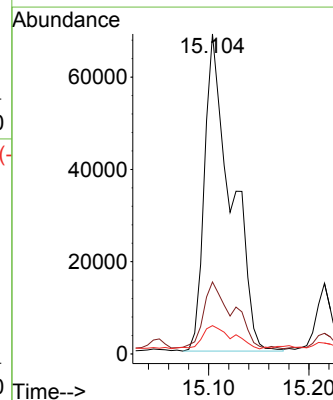
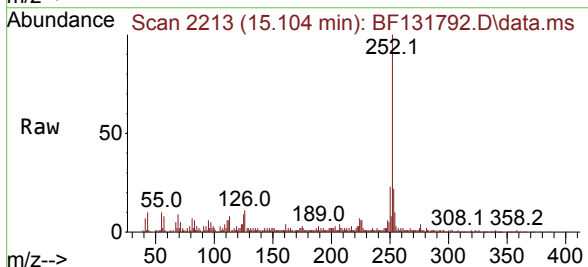
Tgt Ion:252 Resp: 127117

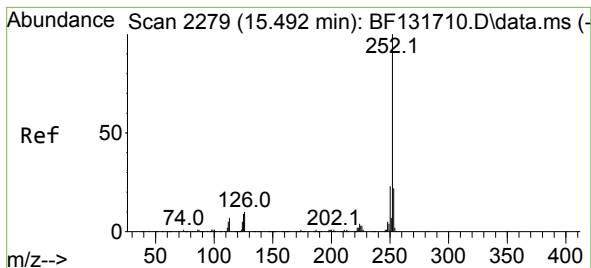
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 8.8 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 8.468 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF131792.D

Acq: 22 Dec 2022 23:30

Instrument :

BNA_F

ClientSampleId :

TR-06-122022

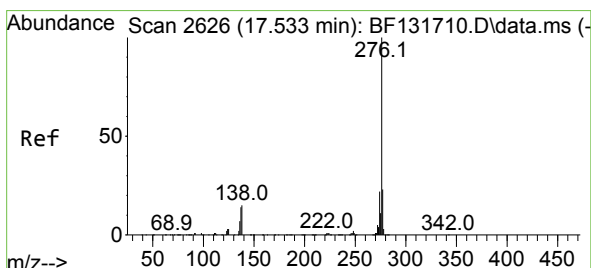
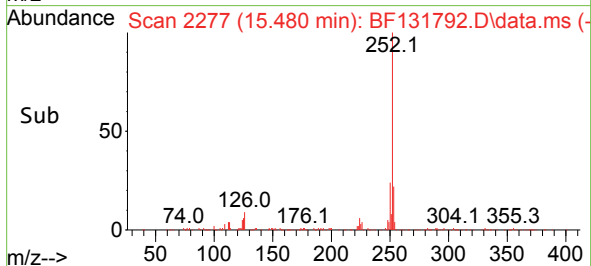
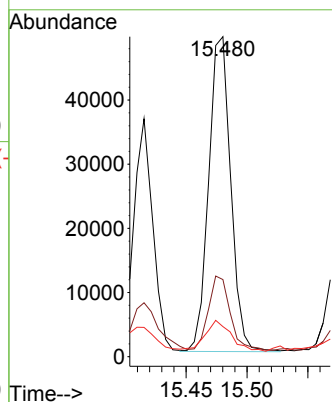
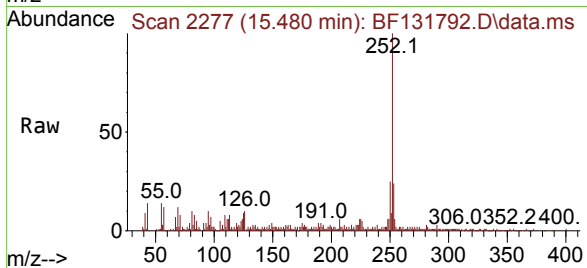
Tgt Ion:252 Resp: 61820

Ion Ratio Lower Upper

252 100

253 24.1 17.5 26.3

125 9.4 7.0 10.4



#92

Benzo(g,h,i)perylene

Concen: 4.008 ng

RT: 17.498 min Scan# 2620

Delta R.T. -0.000 min

Lab File: BF131792.D

Acq: 22 Dec 2022 23:30

Tgt Ion:276 Resp: 28647

Ion Ratio Lower Upper

276 100

277 24.5 18.3 27.5

138 17.8 12.3 18.5

