

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131788.D
 Acq On : 22 Dec 2022 21:18
 Operator : CG\JU
 Sample : N6183-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-2

Quant Time: Dec 23 03:35:26 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)

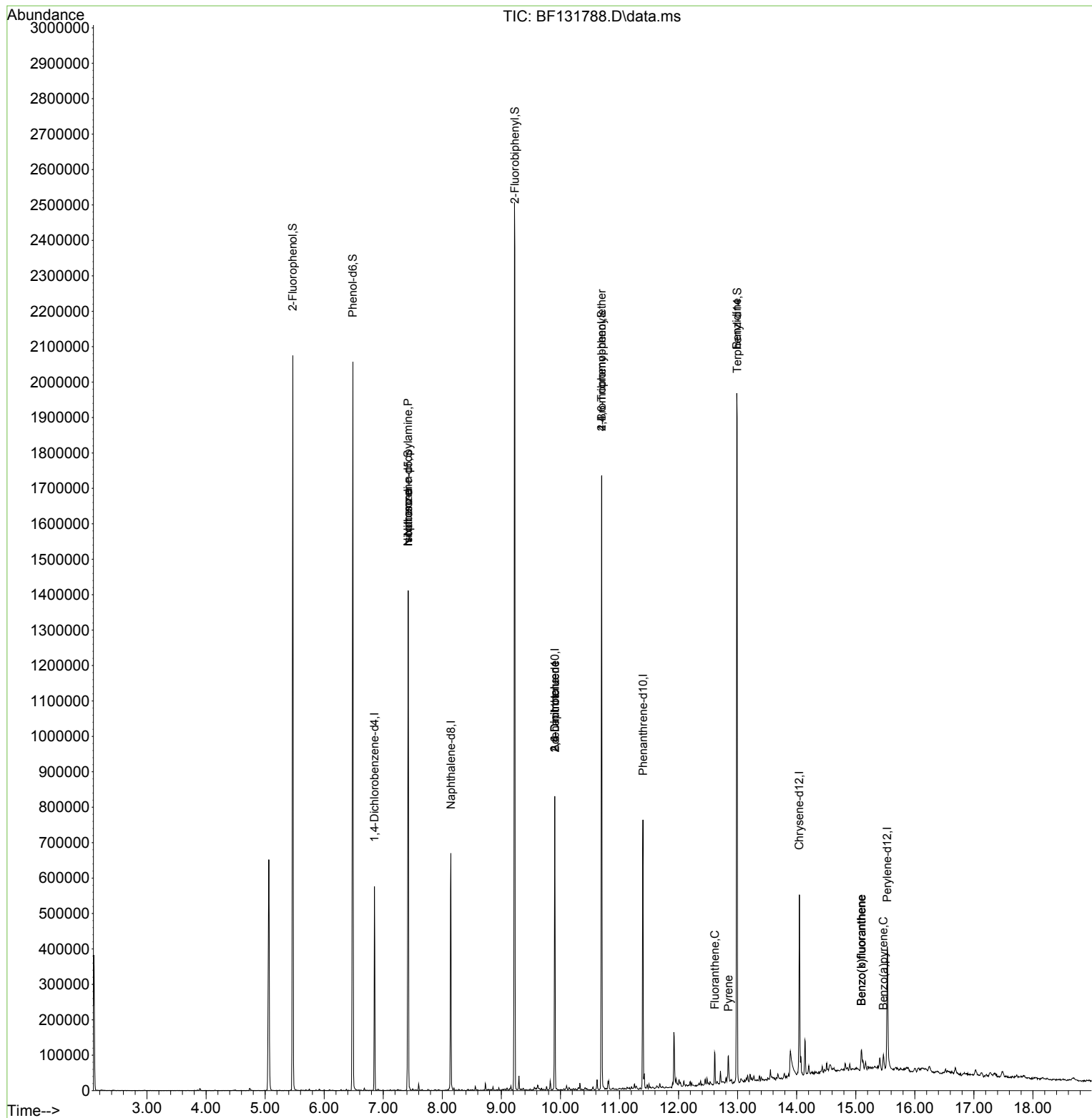
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	72619	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	260110	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	146794	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	261792	20.000	ng	0.00
76) Chrysene-d12	14.045	240	149177	20.000	ng	0.00
86) Perylene-d12	15.533	264	161695	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	497396	115.336	ng	0.01
7) Phenol-d6	6.486	99	643156	110.801	ng	0.00
23) Nitrobenzene-d5	7.422	82	463930	72.407	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	168011	104.568	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	775316	73.987	ng	0.00
79) Terphenyl-d14	12.992	244	695386	72.650	ng	0.00
Target Compounds						
9) Benzaldehyde	6.404	77	305	Below Cal	Qvalue #	80
19) n-Nitroso-di-n-propyla...	7.422	70	65928	15.748	ng #	78
25) Isophorone	7.422	82	462231	42.480	ng #	70
51) 2,6-Dinitrotoluene	9.904	165	18924	7.968	ng #	20
57) 2,4-Dinitrotoluene	9.904	165	18924	5.930	ng #	19
67) 4-Bromophenyl-phenylether	10.698	248	11194	3.620	ng #	1
75) Fluoranthene	12.615	202	35311	2.221	ng	98
77) Benzidine	12.986	184	10936	3.998	ng #	93
78) Pyrene	12.845	202	33363	2.460	ng	98
88) Benzo(b)fluoranthene	15.098	252	37607	3.287	ng #	92
89) Benzo(k)fluoranthene	15.098	252	37607	3.369	ng #	93
90) Benzo(a)pyrene	15.468	252	18520	2.044	ng #	97

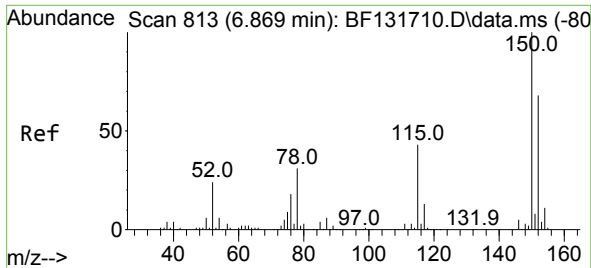
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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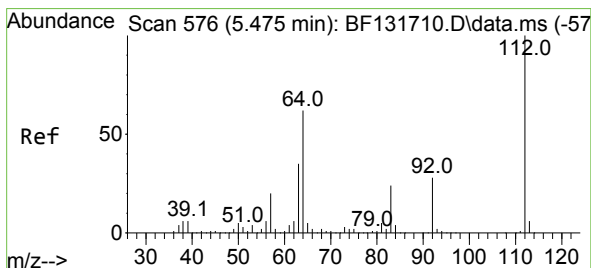
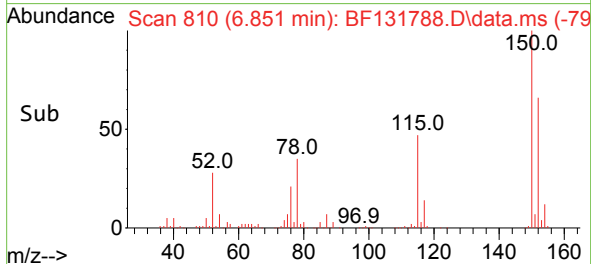
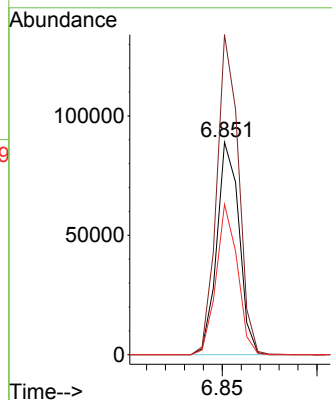
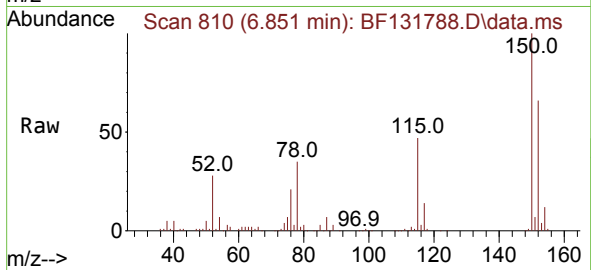




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

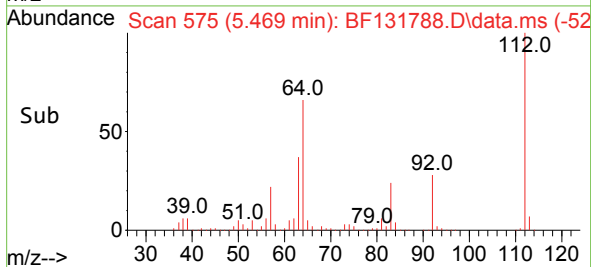
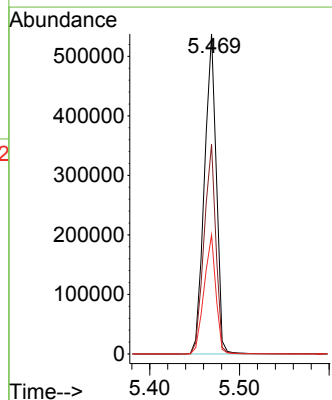
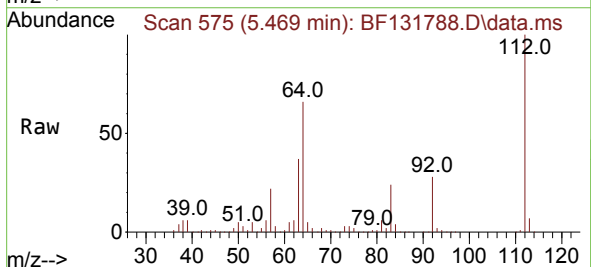
Instrument :
BNA_F
ClientSampleId :
R-2

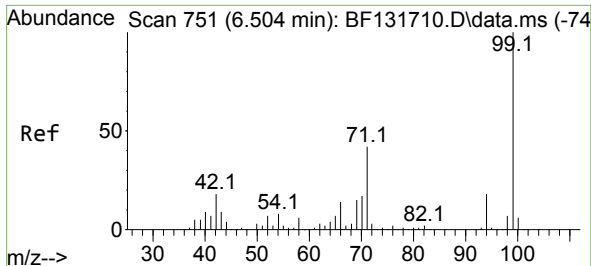
Tgt Ion:152 Resp: 72619
Ion Ratio Lower Upper
152 100
150 150.6 117.4 176.0
115 70.8 50.2 75.4



#5
2-Fluorophenol
Concen: 115.336 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

Tgt Ion:112 Resp: 497396
Ion Ratio Lower Upper
112 100
64 65.5 49.5 74.3
63 37.2 28.2 42.2





#7

Phenol-d6

Concen: 110.801 ng

RT: 6.486 min Scan# 74

Delta R.T. -0.000 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

Instrument :

BNA_F

ClientSampleId :

R-2

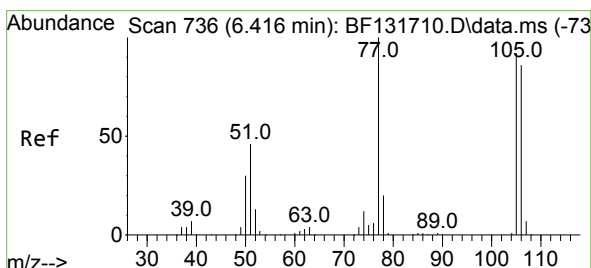
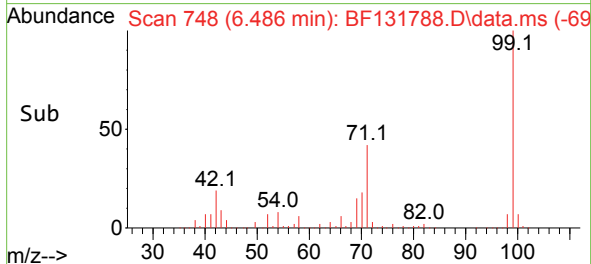
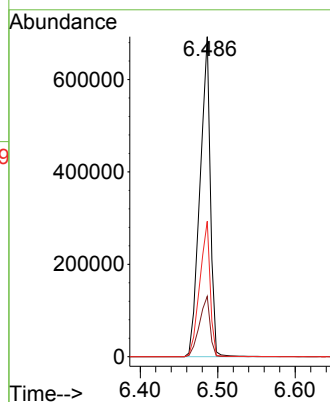
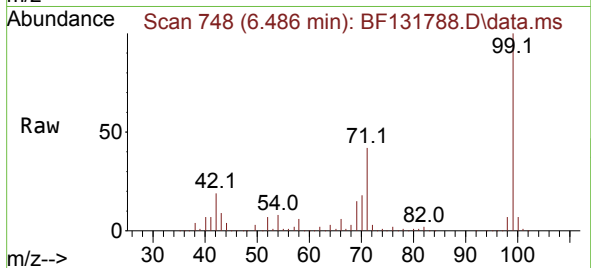
Tgt Ion: 99 Resp: 643156

Ion Ratio Lower Upper

99 100

42 18.9 14.8 22.2

71 42.3 33.8 50.6



#9

Benzaldehyde

Concen: Below Cal

RT: 6.404 min Scan# 734

Delta R.T. -0.000 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

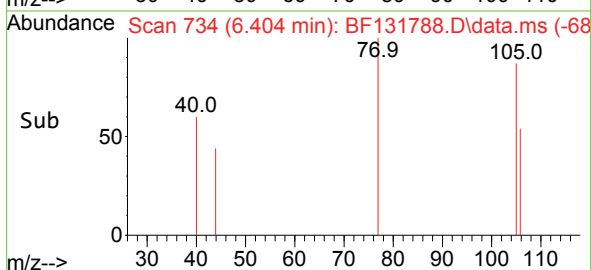
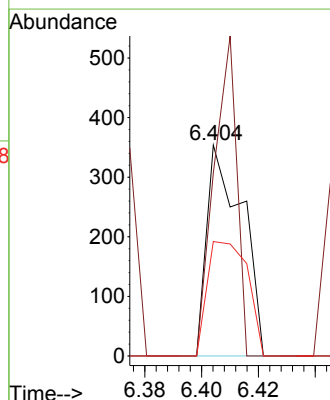
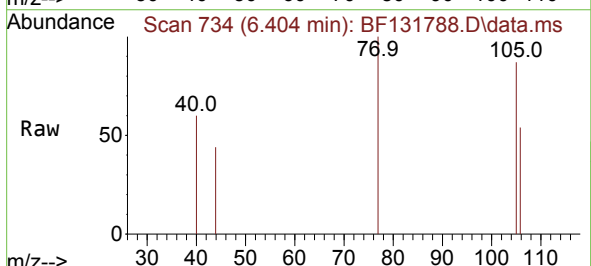
Tgt Ion: 77 Resp: 305

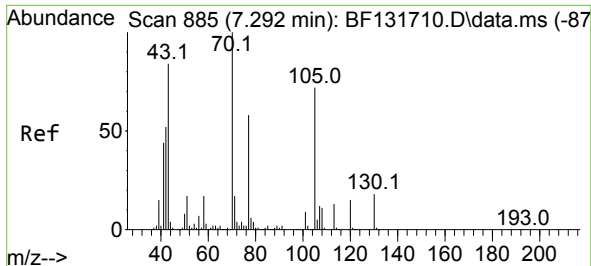
Ion Ratio Lower Upper

77 100

105 86.7 72.4 112.4

106 54.2 66.5 106.5#

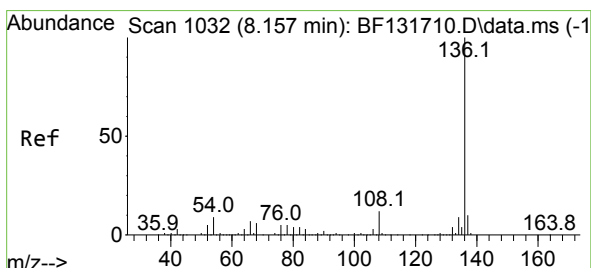
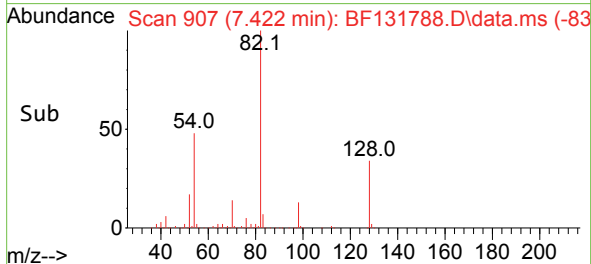
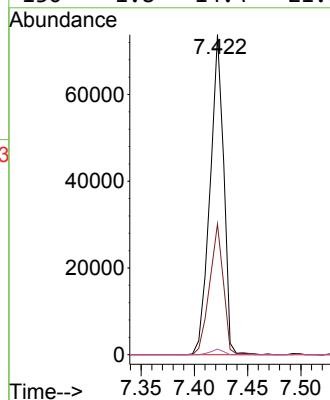
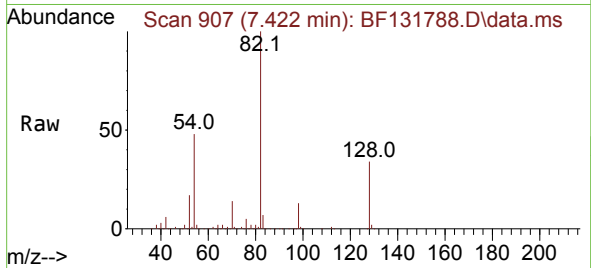




#19
n-Nitroso-di-n-propylamine
Concen: 15.748 ng
RT: 7.422 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

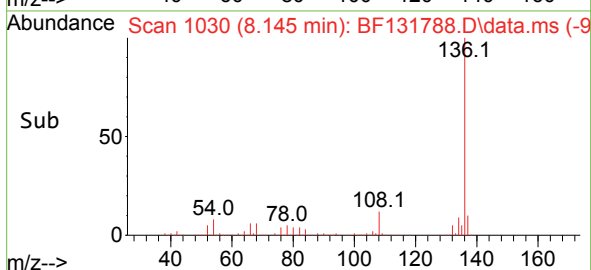
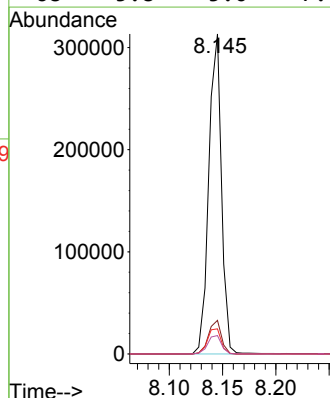
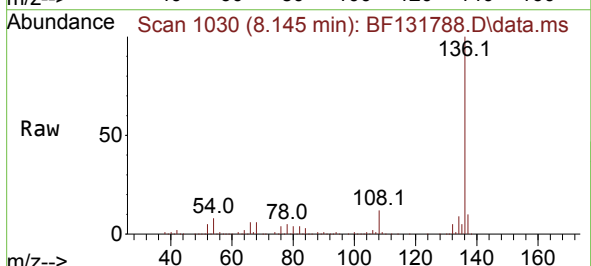
Instrument :
BNA_F
ClientSampleId :
R-2

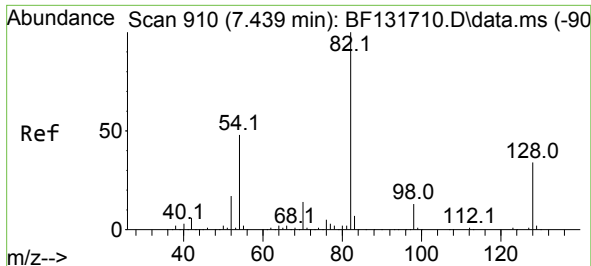
Tgt Ion: 70 Resp: 65928
Ion Ratio Lower Upper
70 100
42 40.9 41.5 62.3#
101 0.0 7.3 10.9#
130 1.8 14.4 21.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

Tgt Ion: 136 Resp: 260110
Ion Ratio Lower Upper
136 100
137 10.5 8.4 12.6
54 7.9 7.2 10.8
68 5.8 5.0 7.6





#23

Nitrobenzene-d5

Concen: 72.407 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

Instrument :

BNA_F

ClientSampleId :

R-2

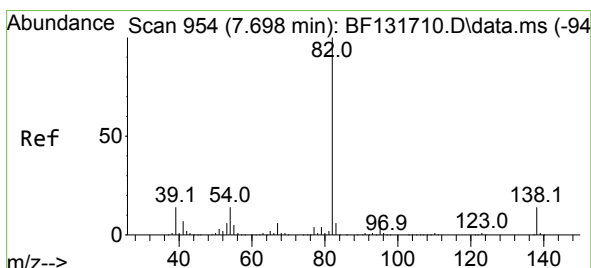
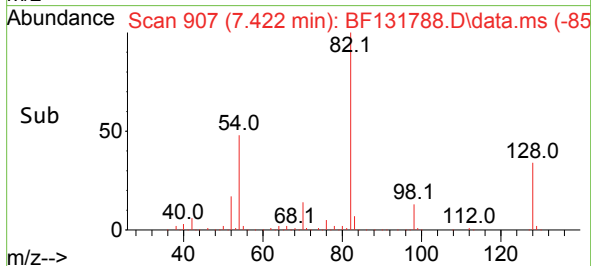
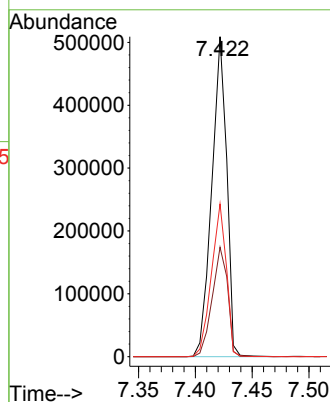
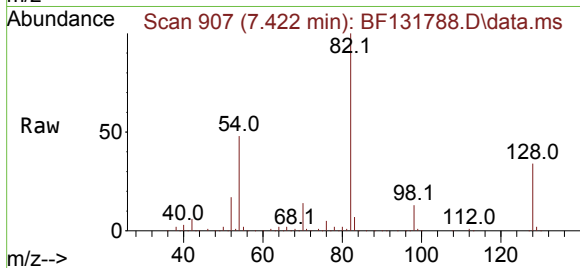
Tgt Ion: 82 Resp: 463930

Ion Ratio Lower Upper

82 100

128 34.2 27.3 40.9

54 47.8 38.2 57.2



#25

Isophorone

Concen: 42.480 ng

RT: 7.422 min Scan# 907

Delta R.T. -0.265 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

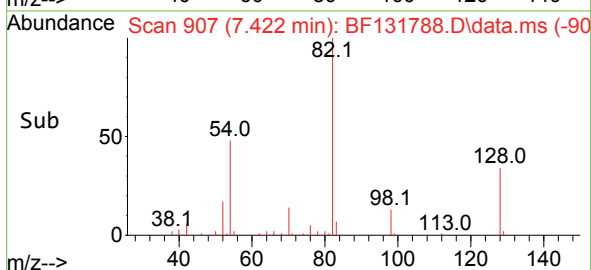
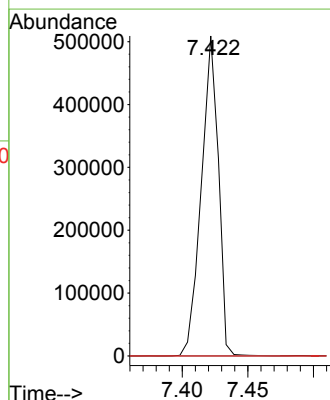
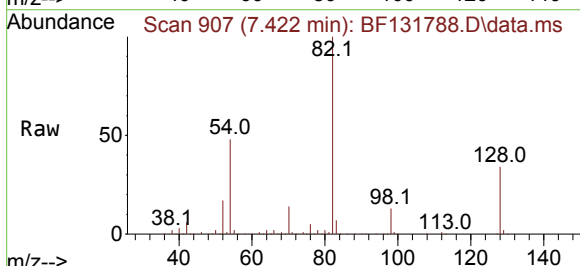
Tgt Ion: 82 Resp: 462231

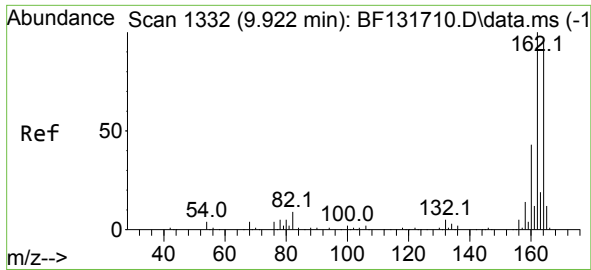
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.6 17.4#

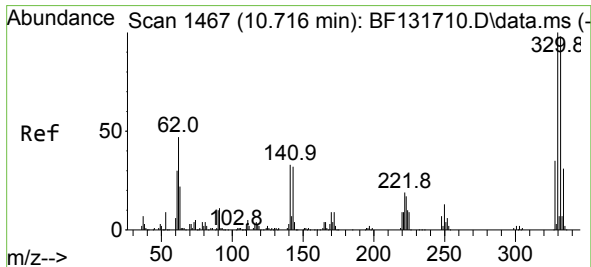
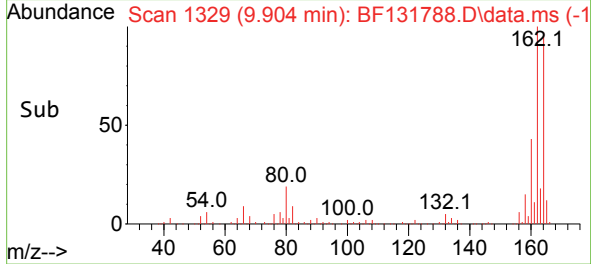
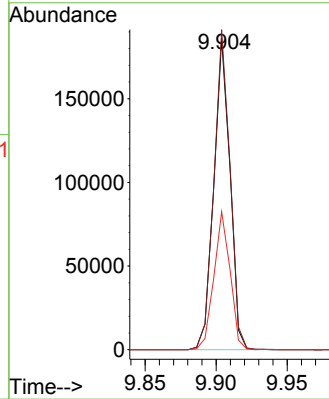
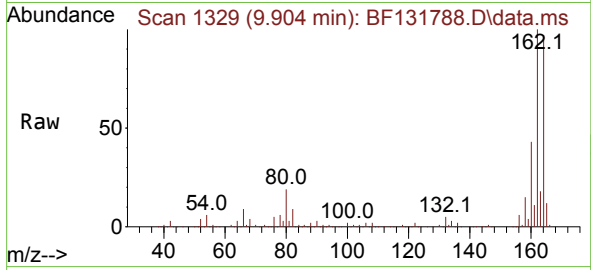




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

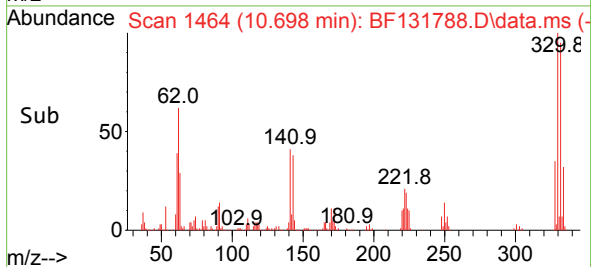
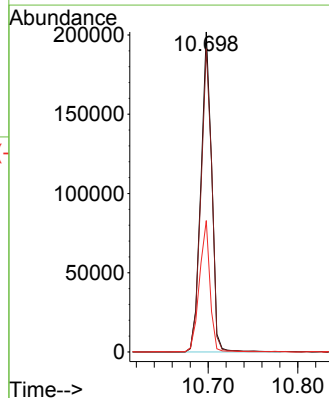
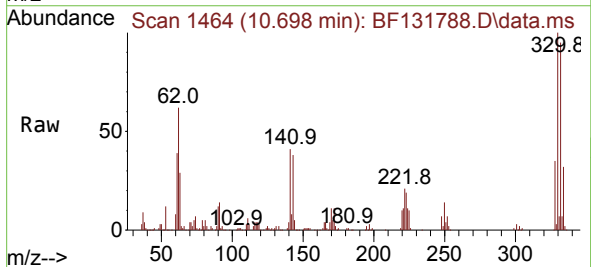
Instrument :
BNA_F
ClientSampleId :
R-2

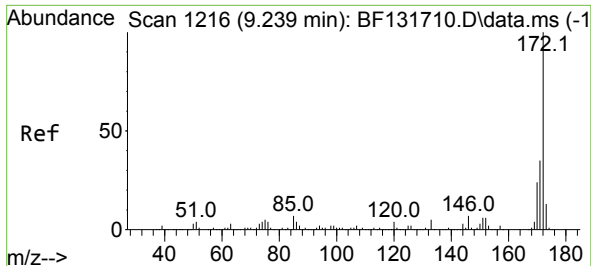
Tgt Ion:164 Resp: 146794
Ion Ratio Lower Upper
164 100
162 102.9 83.7 125.5
160 44.3 36.2 54.4



#42
2,4,6-Tribromophenol
Concen: 104.568 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

Tgt Ion:330 Resp: 168011
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 40.2 30.4 45.6

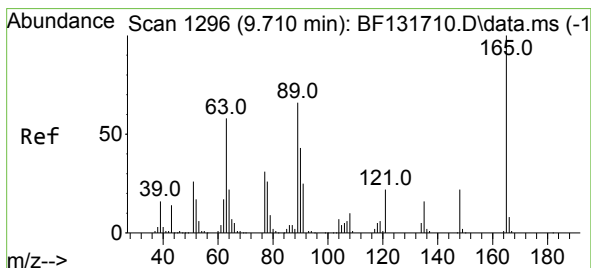
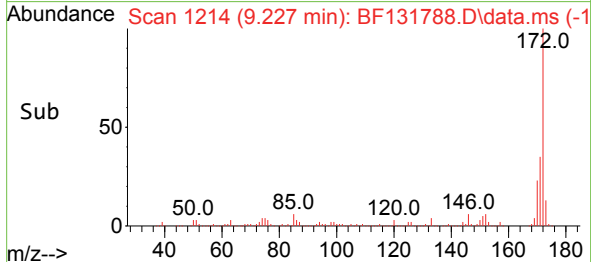
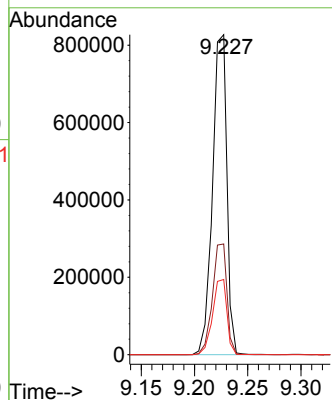
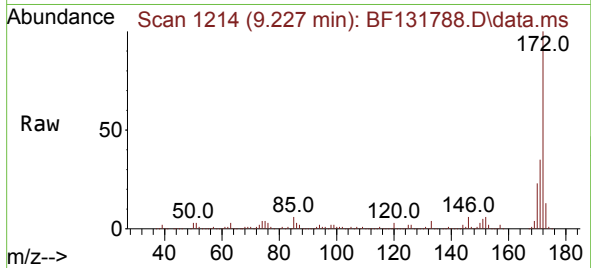




#45
2-Fluorobiphenyl
Concen: 73.987 ng
RT: 9.227 min Scan# 1314
Delta R.T. -0.000 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

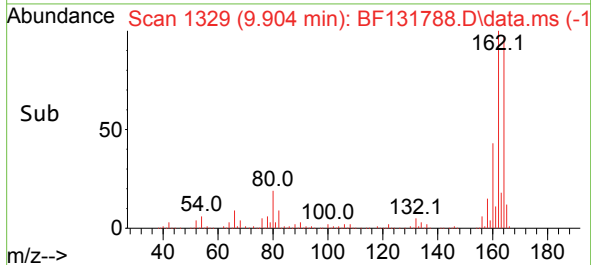
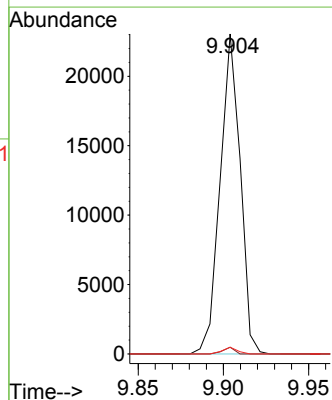
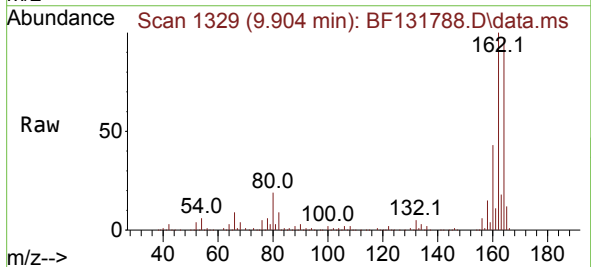
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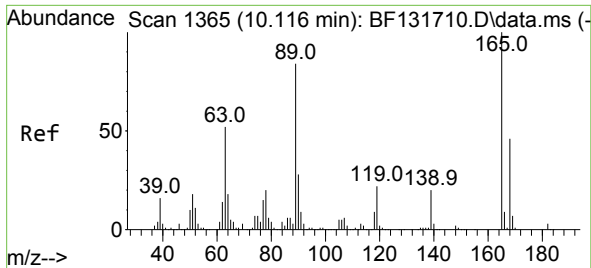
Tgt Ion:172 Resp: 775316
Ion Ratio Lower Upper
172 100
171 34.6 27.9 41.9
170 23.5 19.0 28.4



#51
2,6-Dinitrotoluene
Concen: 7.968 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.206 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

Tgt Ion:165 Resp: 18924
Ion Ratio Lower Upper
165 100
63 2.1 51.8 77.8#
89 2.1 53.2 79.8#

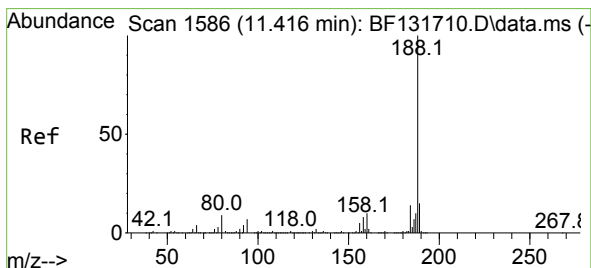
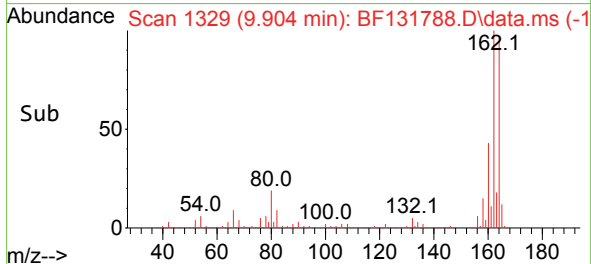
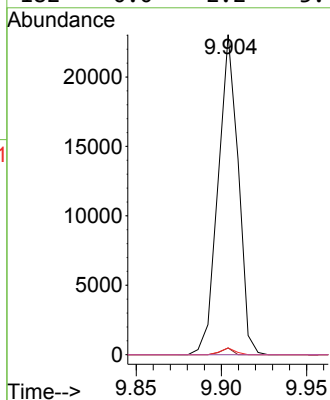
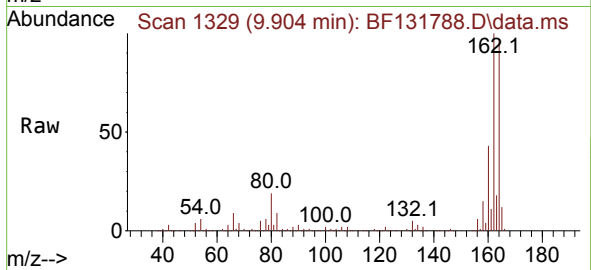




#57
2,4-Dinitrotoluene
Concen: 5.930 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

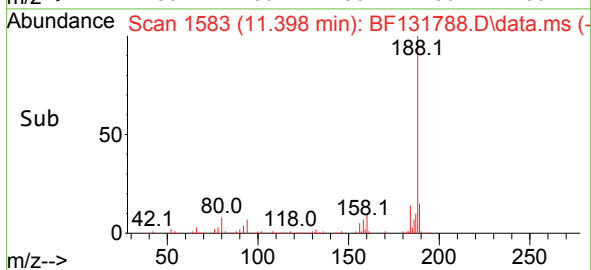
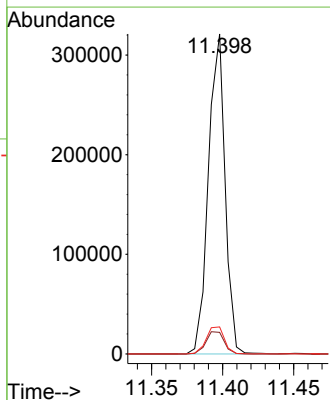
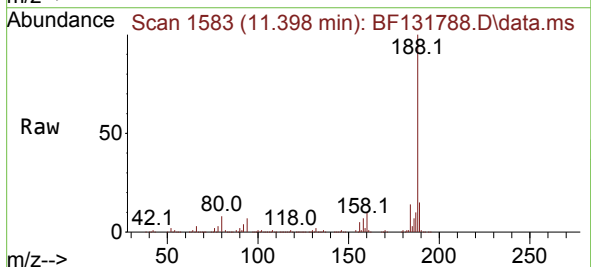
Instrument :
BNA_F
ClientSampleId :
R-2

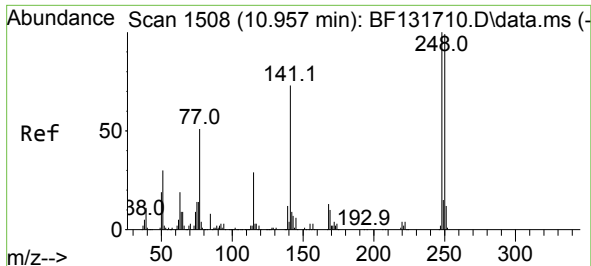
Tgt Ion:165 Resp: 18924
Ion Ratio Lower Upper
165 100
63 2.1 41.5 62.3#
89 2.1 67.0 100.4#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

Tgt Ion:188 Resp: 261792
Ion Ratio Lower Upper
188 100
94 6.8 5.9 8.9
80 8.5 7.0 10.6

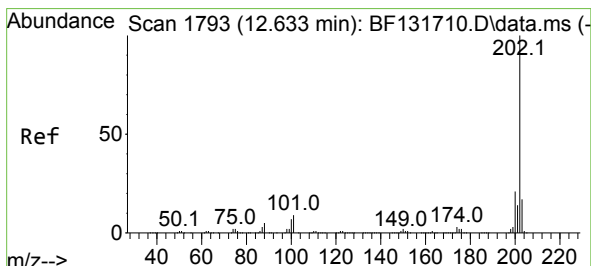
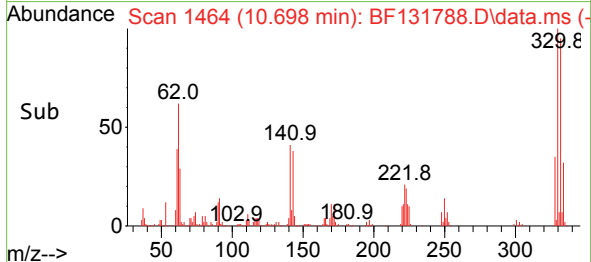
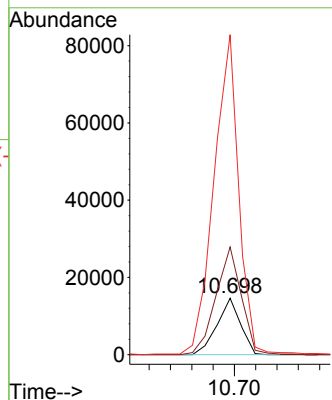
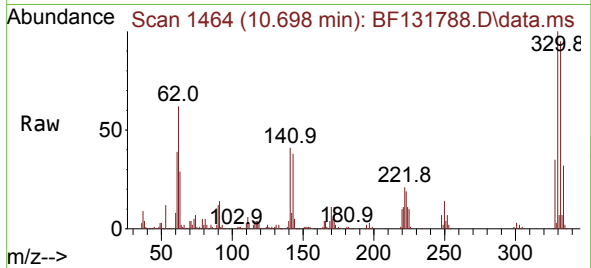




#67
4-Bromophenyl-phenylether
Concen: 3.620 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.247 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

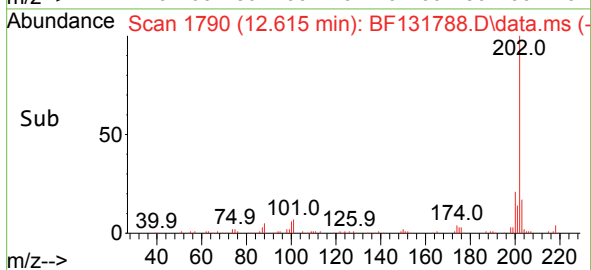
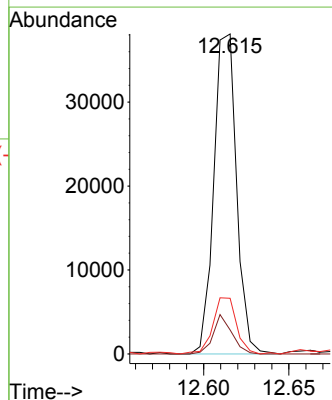
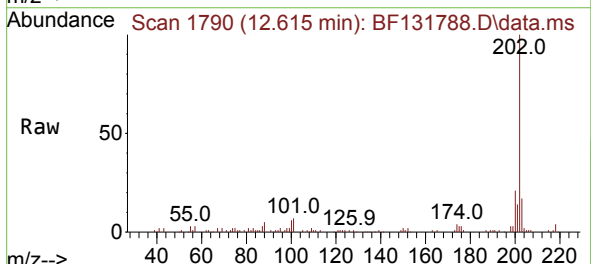
Instrument :
BNA_F
ClientSampleId :
R-2

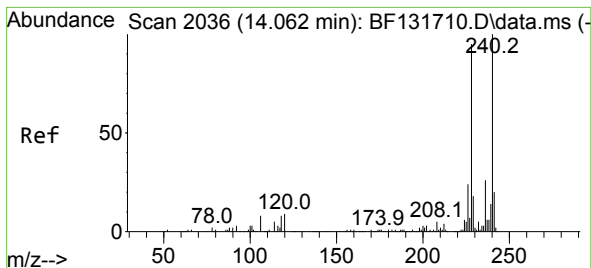
Tgt Ion:248 Resp: 11194
Ion Ratio Lower Upper
248 100
250 190.5 79.4 119.0#
141 566.4 58.1 87.1#



#75
Fluoranthene
Concen: 2.221 ng
RT: 12.615 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BF131788.D
Acq: 22 Dec 2022 21:18

Tgt Ion:202 Resp: 35311
Ion Ratio Lower Upper
202 100
101 7.5 0.0 28.8
203 17.4 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

Instrument :

BNA_F

ClientSampleId :

R-2

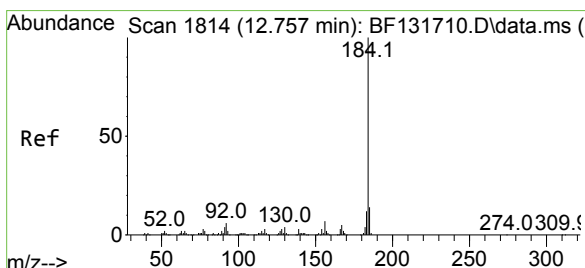
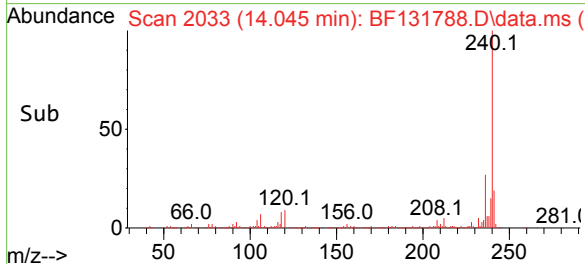
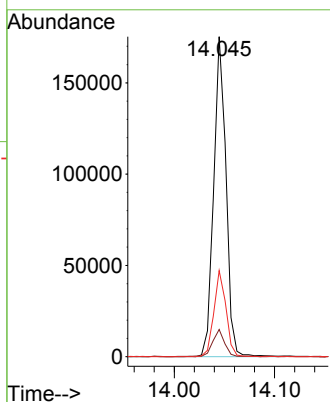
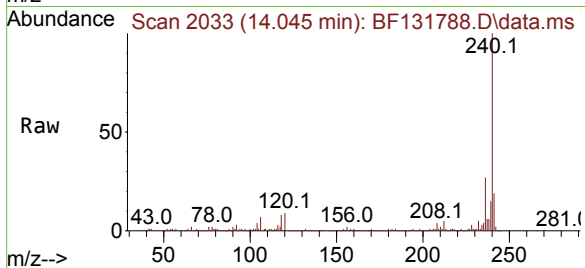
Tgt Ion:240 Resp: 149177

Ion Ratio Lower Upper

240 100

120 8.5 7.6 11.4

236 26.9 21.2 31.8



#77

Benzidine

Concen: 3.998 ng

RT: 12.986 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

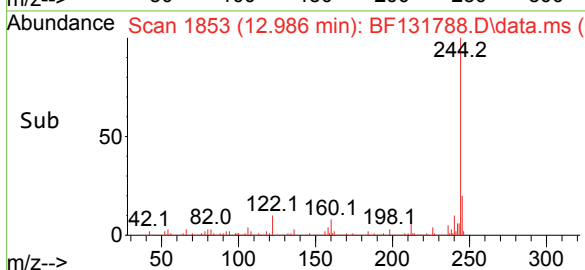
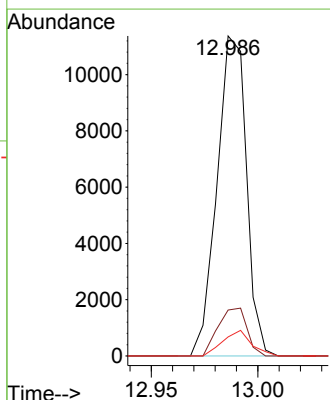
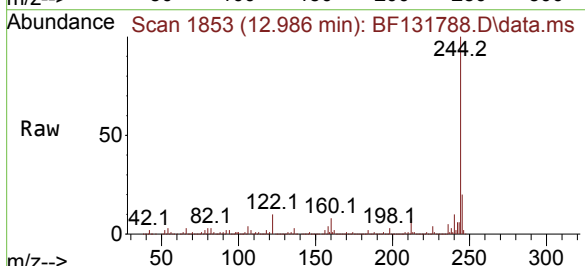
Tgt Ion:184 Resp: 10936

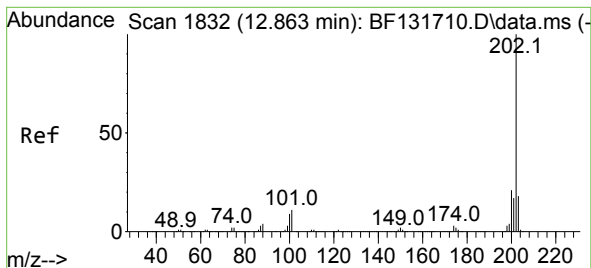
Ion Ratio Lower Upper

184 100

185 14.3 11.3 16.9

183 6.0 9.3 13.9#





#78

Pyrene

Concen: 2.460 ng

RT: 12.845 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

Instrument :

BNA_F

ClientSampleId :

R-2

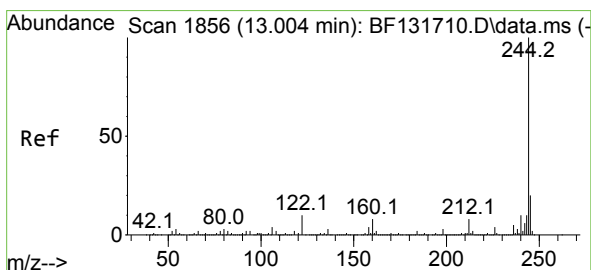
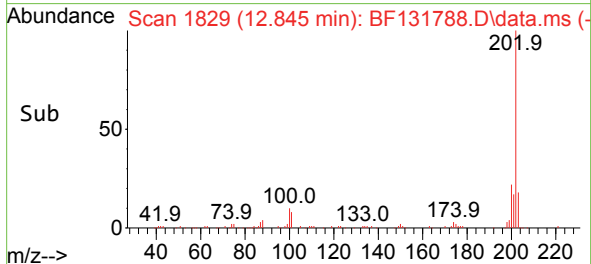
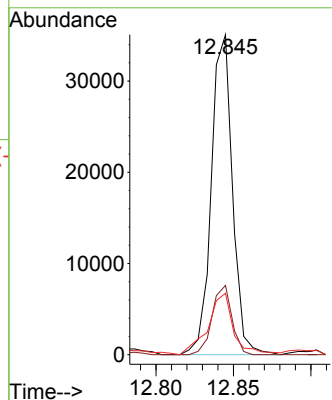
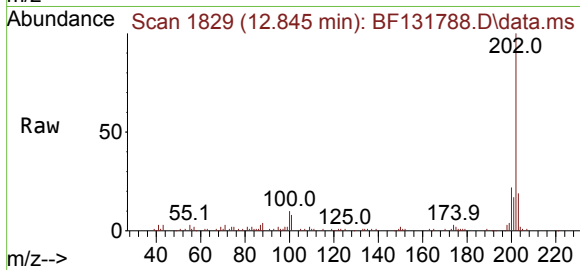
Tgt Ion:202 Resp: 33363

Ion Ratio Lower Upper

202 100

200 21.6 17.1 25.7

203 19.2 14.1 21.1



#79

Terphenyl-d14

Concen: 72.650 ng

RT: 12.992 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

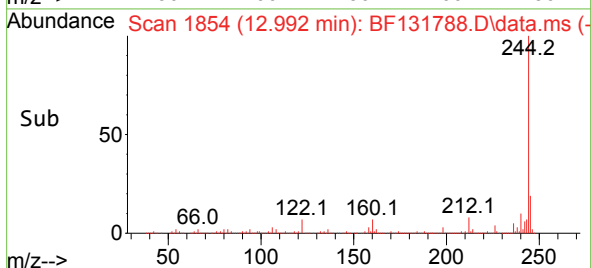
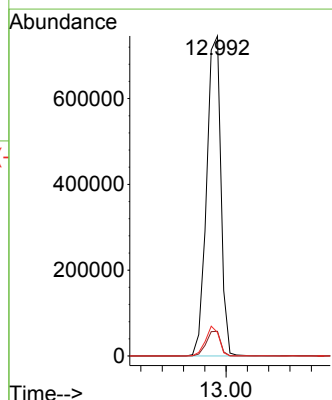
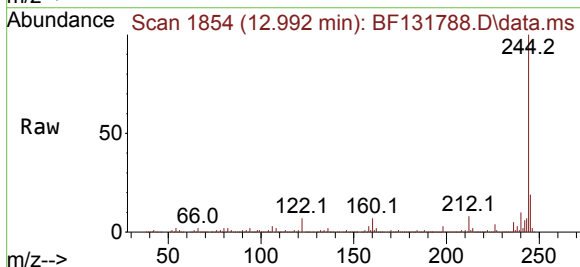
Tgt Ion:244 Resp: 695386

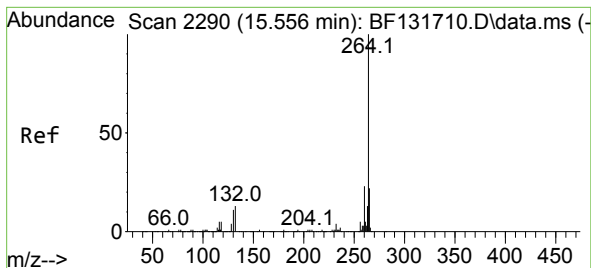
Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

122 7.3 7.7 11.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

Instrument :

BNA_F

ClientSampleId :

R-2

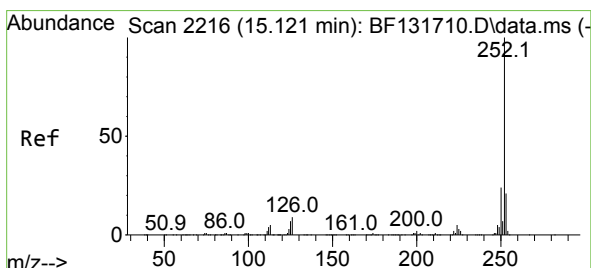
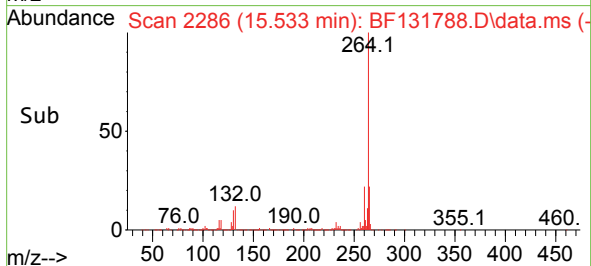
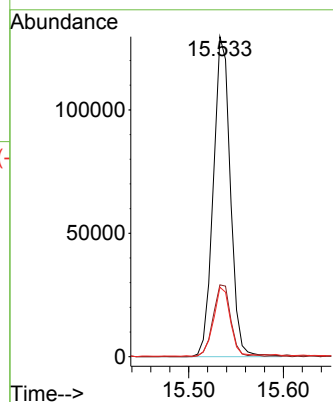
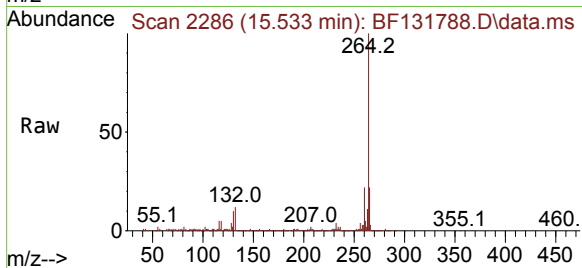
Tgt Ion:264 Resp: 161695

Ion Ratio Lower Upper

264 100

260 22.5 18.6 28.0

265 21.7 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 3.287 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.000 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

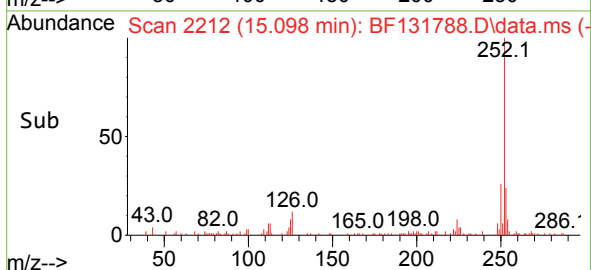
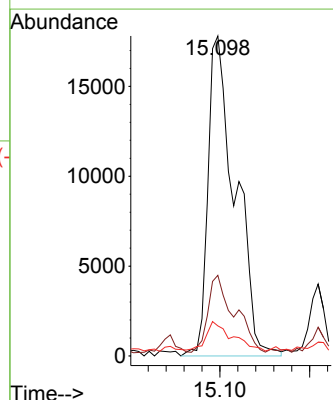
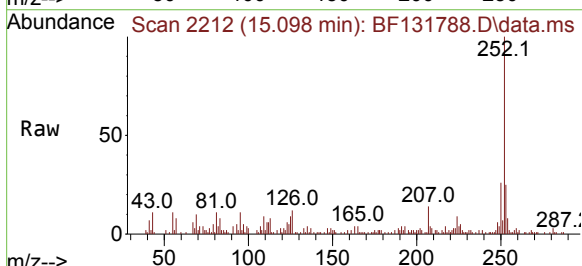
Tgt Ion:252 Resp: 37607

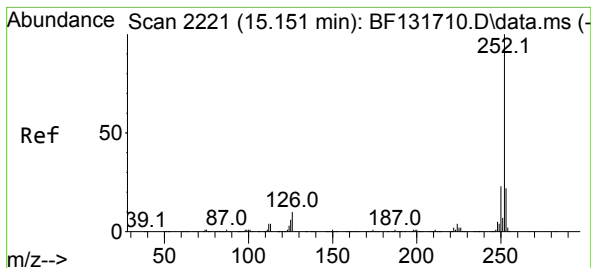
Ion Ratio Lower Upper

252 100

253 25.2 17.2 25.8

125 9.4 5.5 8.3#





#89

Benzo(k)fluoranthene

Concen: 3.369 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

Instrument :

BNA_F

ClientSampleId :

R-2

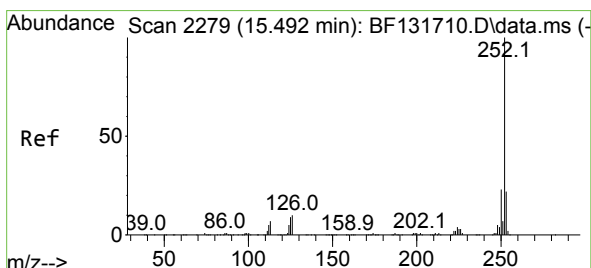
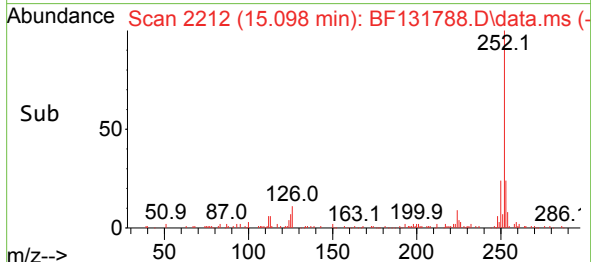
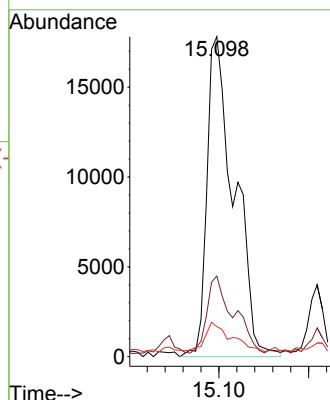
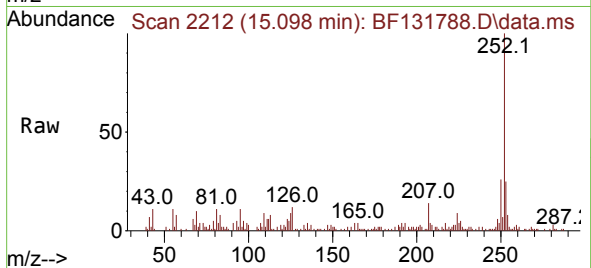
Tgt Ion:252 Resp: 37607

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.8

125 9.4 5.2 7.8#



#90

Benzo(a)pyrene

Concen: 2.044 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF131788.D

Acq: 22 Dec 2022 21:18

Tgt Ion:252 Resp: 18520

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 11.9 7.0 10.4#

