

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101422\
 Data File : BF130678.D
 Acq On : 14 Oct 2022 21:58
 Operator : CG\JU
 Sample : N5123-01RE 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-2-101222

Quant Time: Oct 17 02:24:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 12 06:52:52 2022
 Response via : Initial Calibration

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

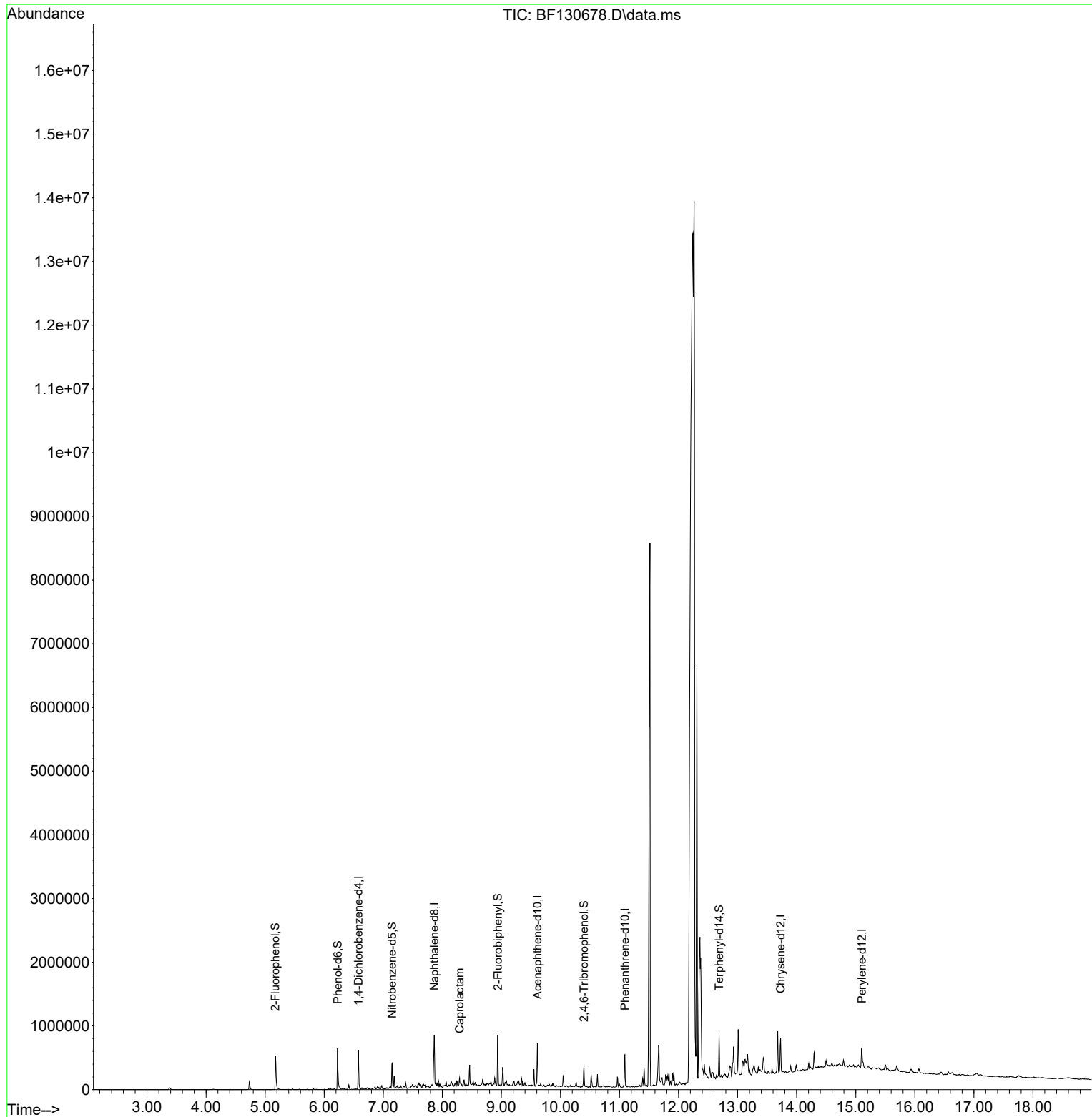
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.581	152	84501	20.000	ng	0.00
21) Naphthalene-d8	7.863	136	289341	20.000	ng	-0.01
39) Acenaphthene-d10	9.610	164	120005	20.000	ng	-0.01
64) Phenanthrene-d10	11.092	188	193302	20.000	ng	# 0.00
76) Chrysene-d12	13.727	240	181290	20.000	ng	0.00
86) Perylene-d12	15.104	264	129345	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	174488	37.221	ng	-0.01
7) Phenol-d6	6.228	99	207944	35.281	ng	-0.01
23) Nitrobenzene-d5	7.151	82	123996	23.395	ng	-0.01
42) 2,4,6-Tribromophenol	10.398	330	38724	32.978	ng	-0.01
45) 2-Fluorobiphenyl	8.939	172	204910	25.864	ng	-0.01
79) Terphenyl-d14	12.686	244	205916	18.852	ng	0.00
Target Compounds						
35) Caprolactam	8.292	113	2780	2.267	ng	# 11

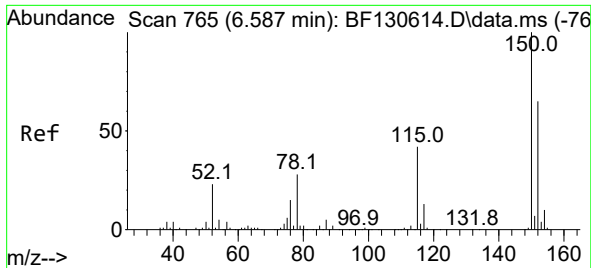
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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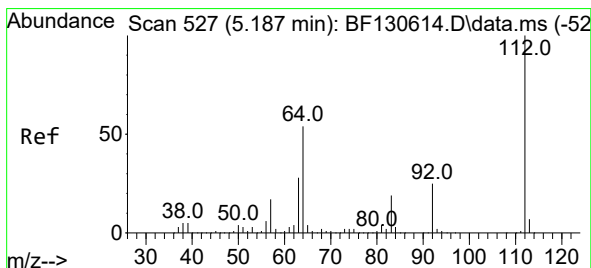
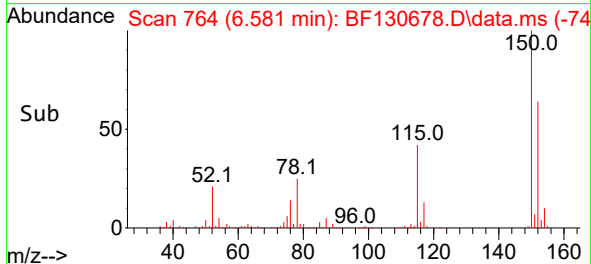
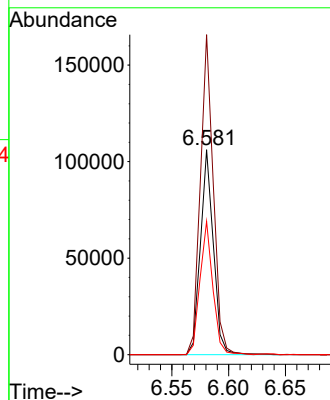
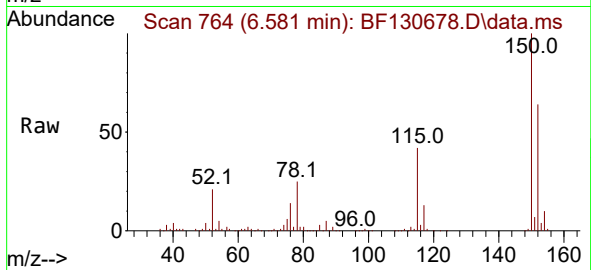




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.581 min Scan# 765
Delta R.T. -0.006 min
Lab File: BF130678.D
Acq: 14 Oct 2022 21:58

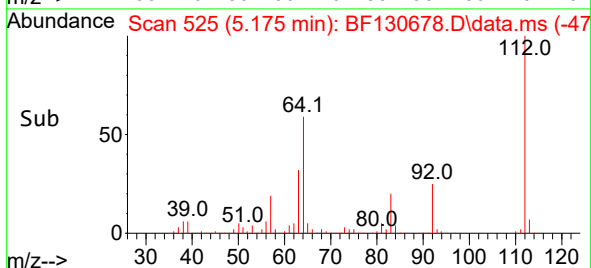
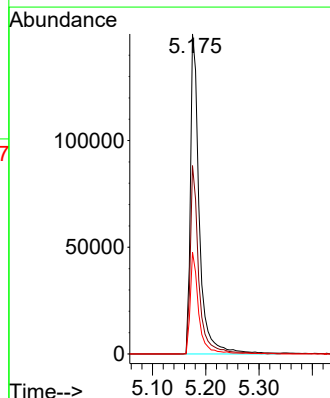
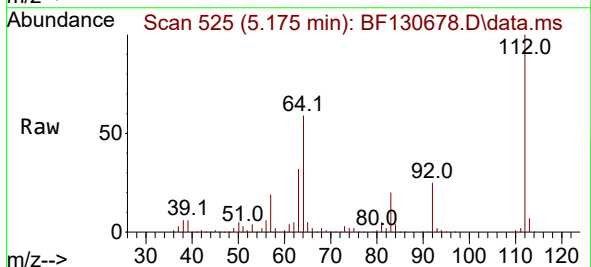
Instrument :
BNA_F
ClientSampleId :
HR-2-101222

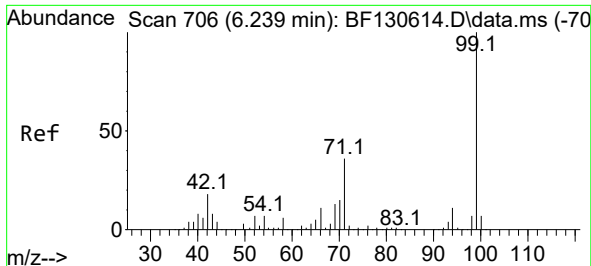
Tgt Ion:152 Resp: 84501
Ion Ratio Lower Upper
152 100
150 156.1 123.8 185.6
115 65.1 52.2 78.4



#5
2-Fluorophenol
Concen: 37.221 ng
RT: 5.175 min Scan# 525
Delta R.T. -0.012 min
Lab File: BF130678.D
Acq: 14 Oct 2022 21:58

Tgt Ion:112 Resp: 174488
Ion Ratio Lower Upper
112 100
64 58.8 43.5 65.3
63 31.8 22.6 34.0

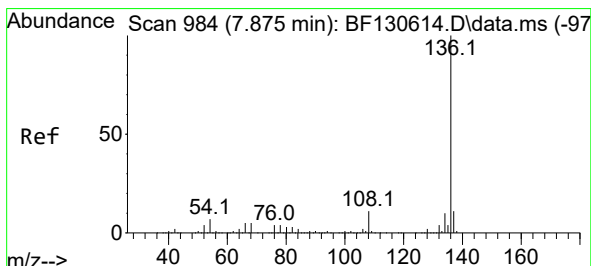
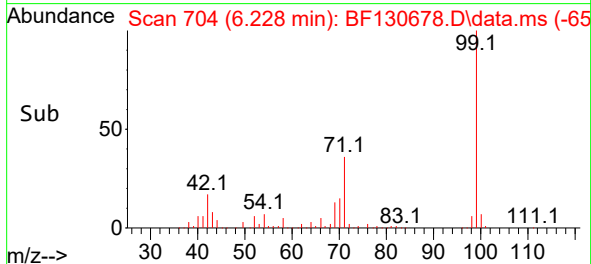
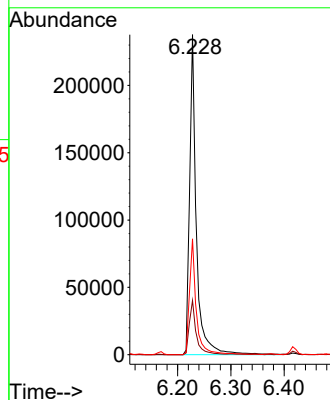
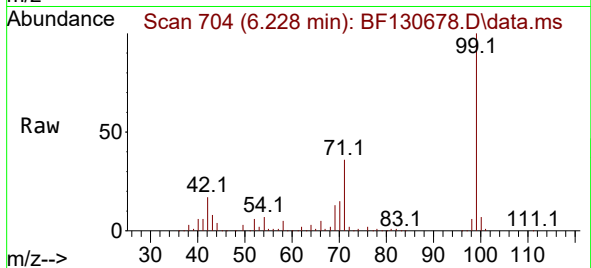




#7
Phenol-d6
Concen: 35.281 ng
RT: 6.228 min Scan# 706
Delta R.T. -0.012 min
Lab File: BF130678.D
Acq: 14 Oct 2022 21:58

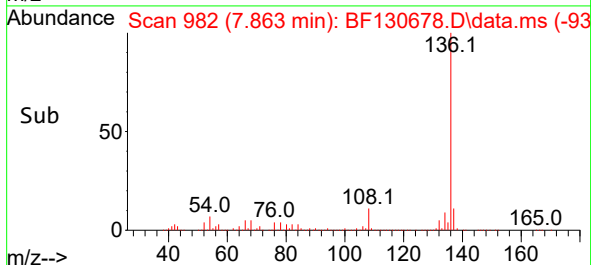
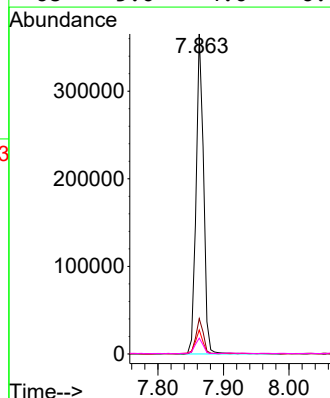
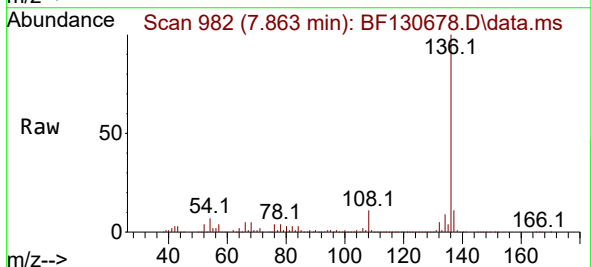
Instrument :
BNA_F
ClientSampleId :
HR-2-101222

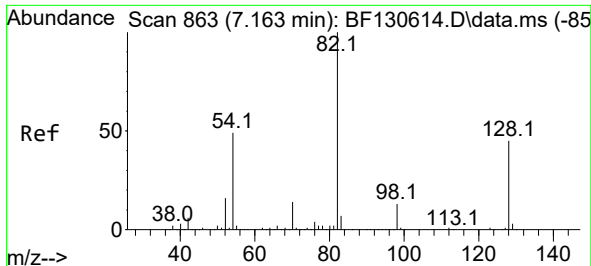
Tgt Ion: 99 Resp: 207944
Ion Ratio Lower Upper
99 100
42 16.9 14.0 21.0
71 36.2 28.8 43.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.863 min Scan# 982
Delta R.T. -0.012 min
Lab File: BF130678.D
Acq: 14 Oct 2022 21:58

Tgt Ion: 136 Resp: 289341
Ion Ratio Lower Upper
136 100
137 11.0 8.4 12.6
54 7.5 5.5 8.3
68 5.0 4.0 6.0





#23

Nitrobenzene-d5

Concen: 23.395 ng

RT: 7.151 min Scan# 8

Delta R.T. -0.012 min

Lab File: BF130678.D

Acq: 14 Oct 2022 21:58

Instrument :

BNA_F

ClientSampleId :

HR-2-101222

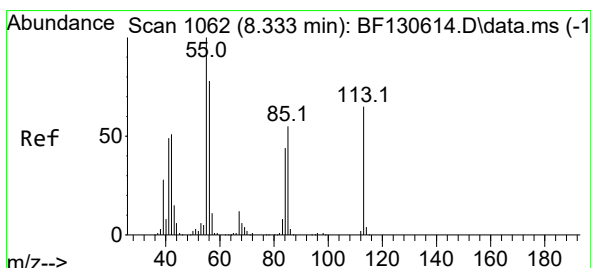
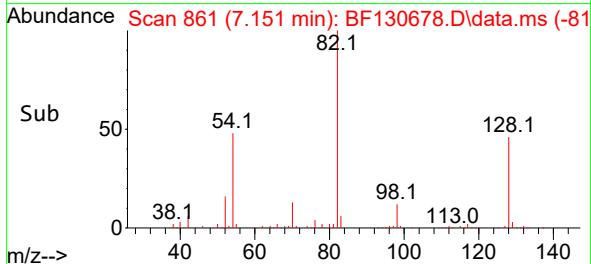
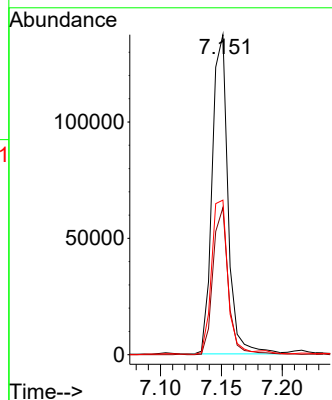
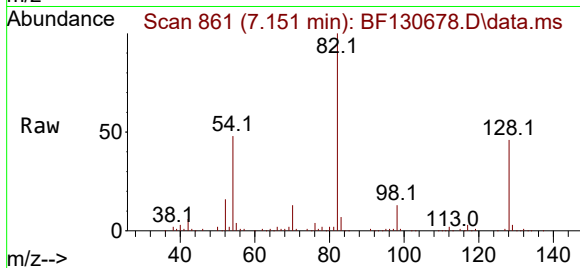
Tgt Ion: 82 Resp: 123996

Ion Ratio Lower Upper

82 100

128 46.0 35.8 53.6

54 48.3 39.3 58.9



#35

Caprolactam

Concen: 2.267 ng

RT: 8.292 min Scan# 1055

Delta R.T. -0.041 min

Lab File: BF130678.D

Acq: 14 Oct 2022 21:58

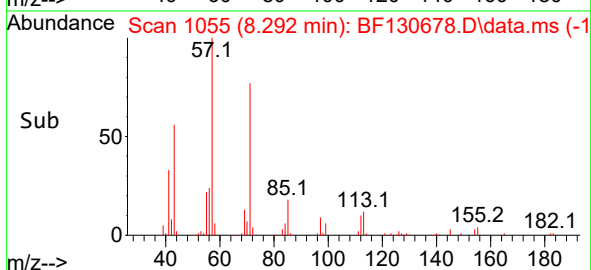
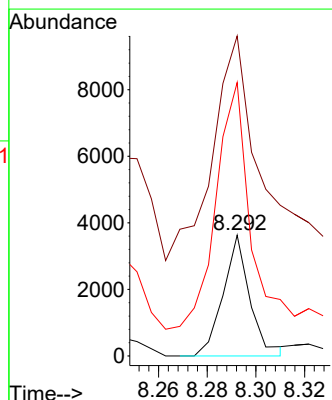
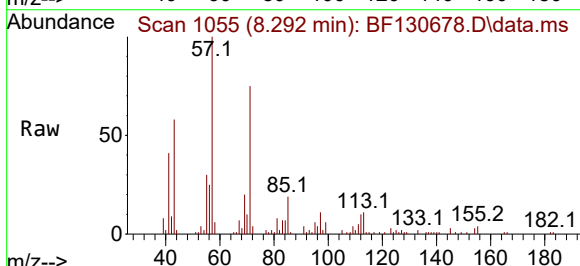
Tgt Ion: 113 Resp: 2780

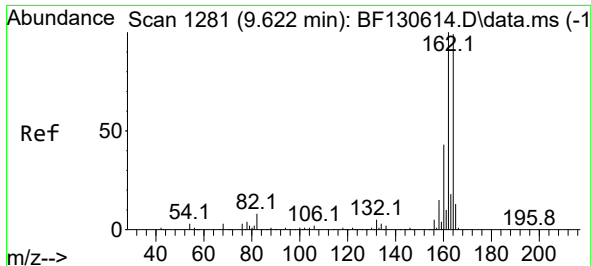
Ion Ratio Lower Upper

113 100

55 264.7 134.3 174.3#

56 226.2 101.0 141.0#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.610 min Scan# 1279

Delta R.T. -0.012 min

Lab File: BF130678.D

Acq: 14 Oct 2022 21:58

Instrument :

BNA_F

ClientSampleId :

HR-2-101222

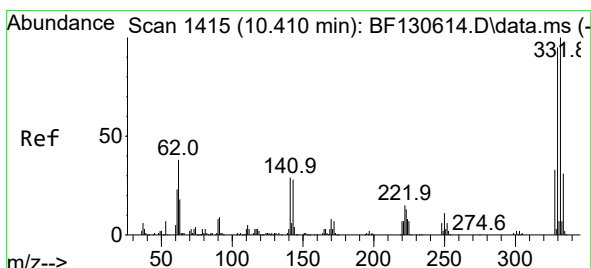
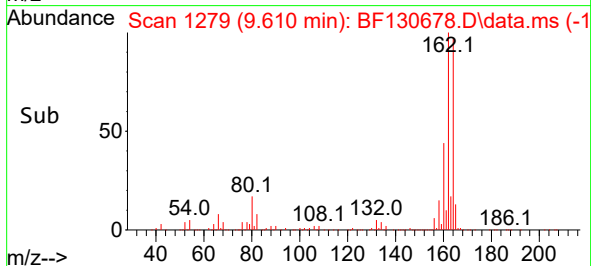
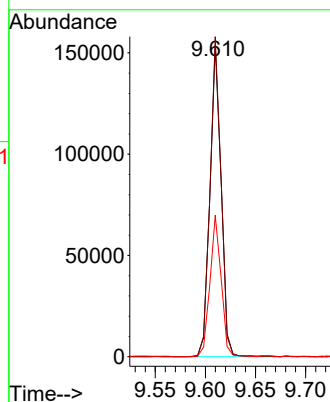
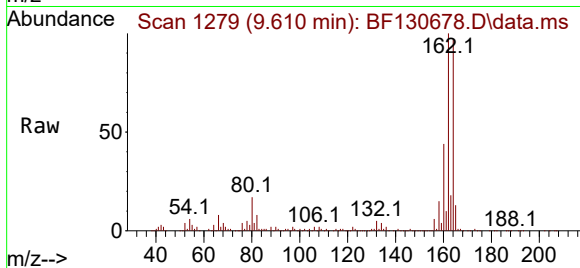
Tgt Ion:164 Resp: 120005

Ion Ratio Lower Upper

164 100

162 102.8 81.0 121.4

160 45.4 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 32.978 ng

RT: 10.398 min Scan# 1413

Delta R.T. -0.012 min

Lab File: BF130678.D

Acq: 14 Oct 2022 21:58

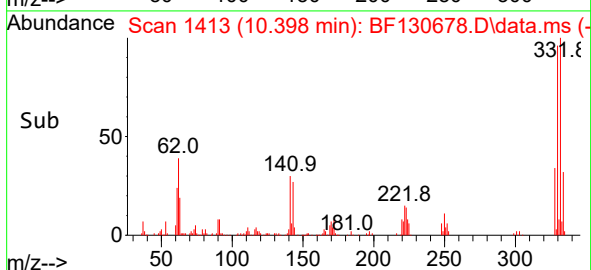
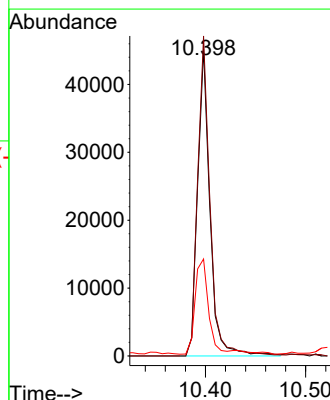
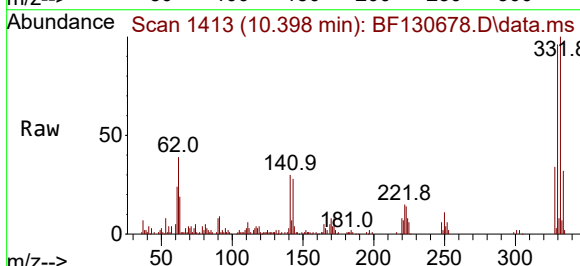
Tgt Ion:330 Resp: 38724

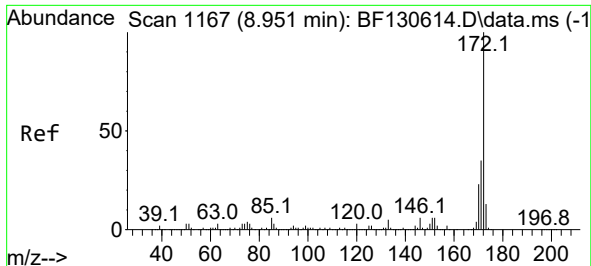
Ion Ratio Lower Upper

330 100

332 104.6 84.2 126.4

141 33.3 26.8 40.2





#45

2-Fluorobiphenyl

Concen: 25.864 ng

RT: 8.939 min Scan# 1165

Delta R.T. -0.012 min

Lab File: BF130678.D

Acq: 14 Oct 2022 21:58

Instrument :

BNA_F

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HR-2-101222

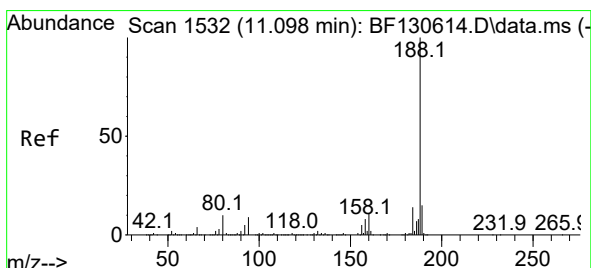
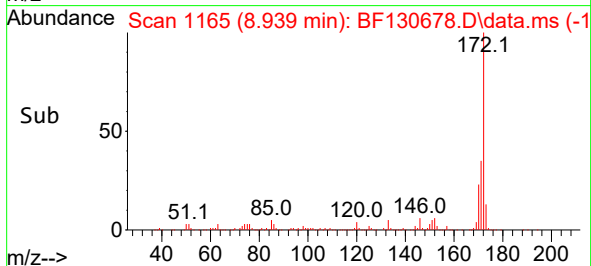
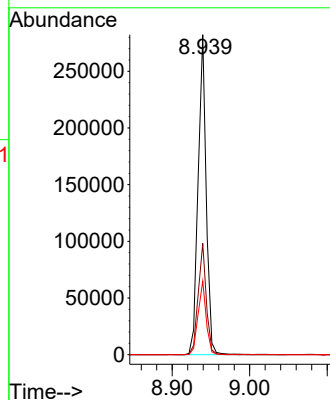
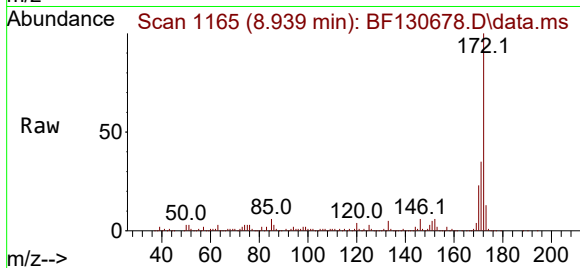
Tgt Ion:172 Resp: 204910

Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.8

170 23.0 18.6 27.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.092 min Scan# 1531

Delta R.T. -0.006 min

Lab File: BF130678.D

Acq: 14 Oct 2022 21:58

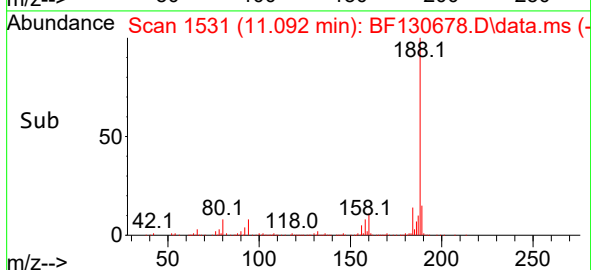
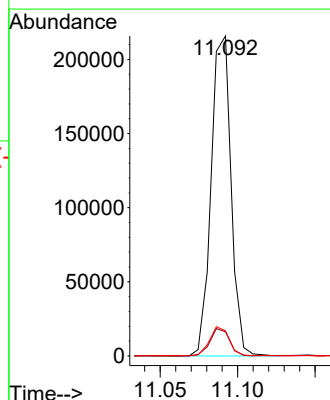
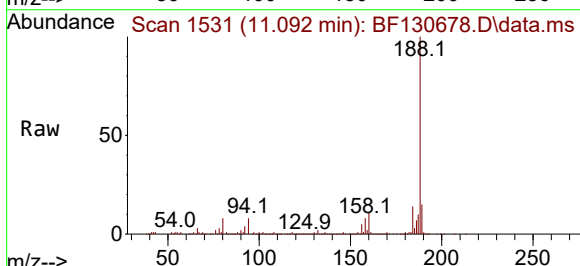
Tgt Ion:188 Resp: 193302

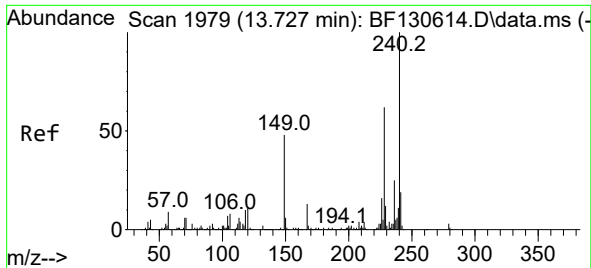
Ion Ratio Lower Upper

188 100

94 7.6 7.4 11.2

80 7.8 8.0 12.0

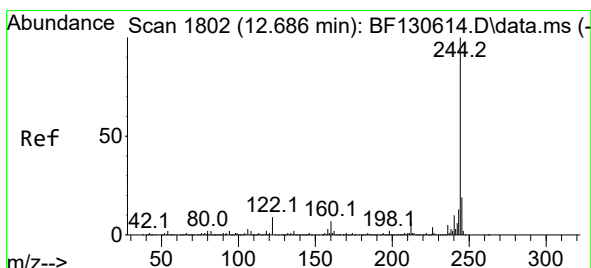
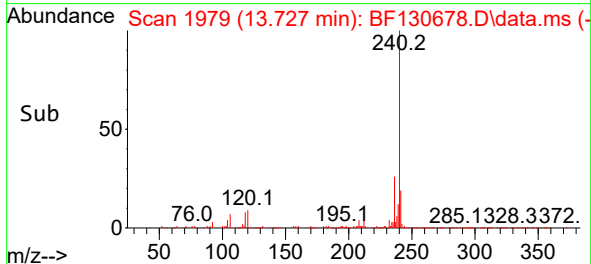
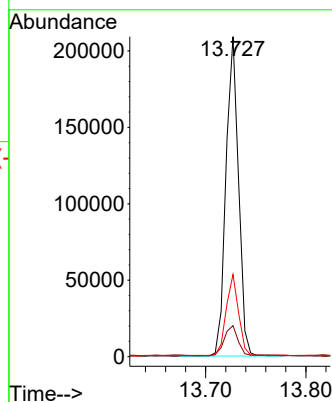
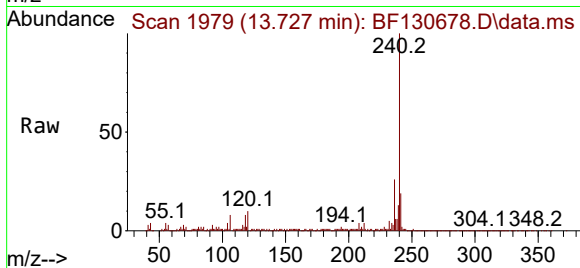




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.727 min Scan# 1979
Delta R.T. 0.000 min
Lab File: BF130678.D
Acq: 14 Oct 2022 21:58

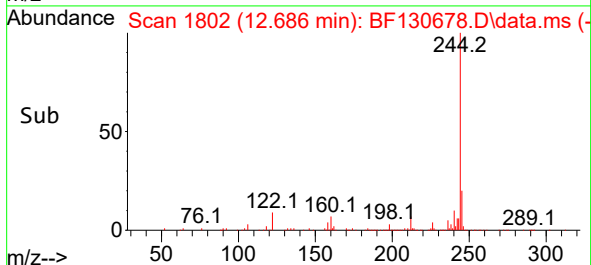
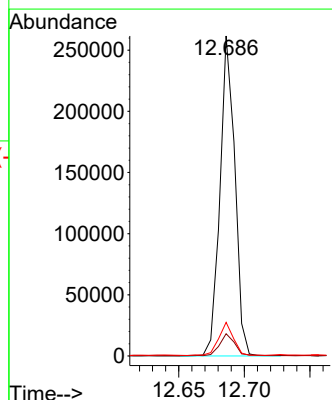
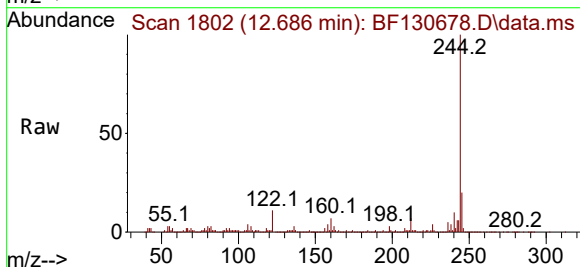
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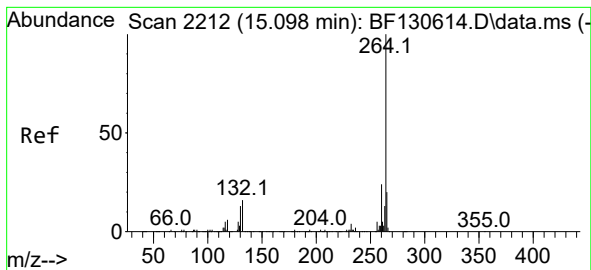
Tgt Ion:240 Resp: 181290
Ion Ratio Lower Upper
240 100
120 9.7 8.6 13.0
236 25.7 20.2 30.4



#79
Terphenyl-d14
Concen: 18.852 ng
RT: 12.686 min Scan# 1802
Delta R.T. 0.000 min
Lab File: BF130678.D
Acq: 14 Oct 2022 21:58

Tgt Ion:244 Resp: 205916
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.0
122 10.5 7.5 11.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.104 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF130678.D
 Acq: 14 Oct 2022 21:58

Instrument :
 BNA_F
 ClientSampleId :
 HR-2-101222

Tgt Ion:264 Resp: 129345
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.1 28.7
 265 23.1 16.4 24.6

