

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071222\
 Data File : BF129201.D
 Acq On : 12 Jul 2022 21:34
 Operator : CG\JU
 Sample : N3644-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-070822

Quant Time: Jul 13 01:58:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 12 14:13:54 2022
 Response via : Initial Calibration

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

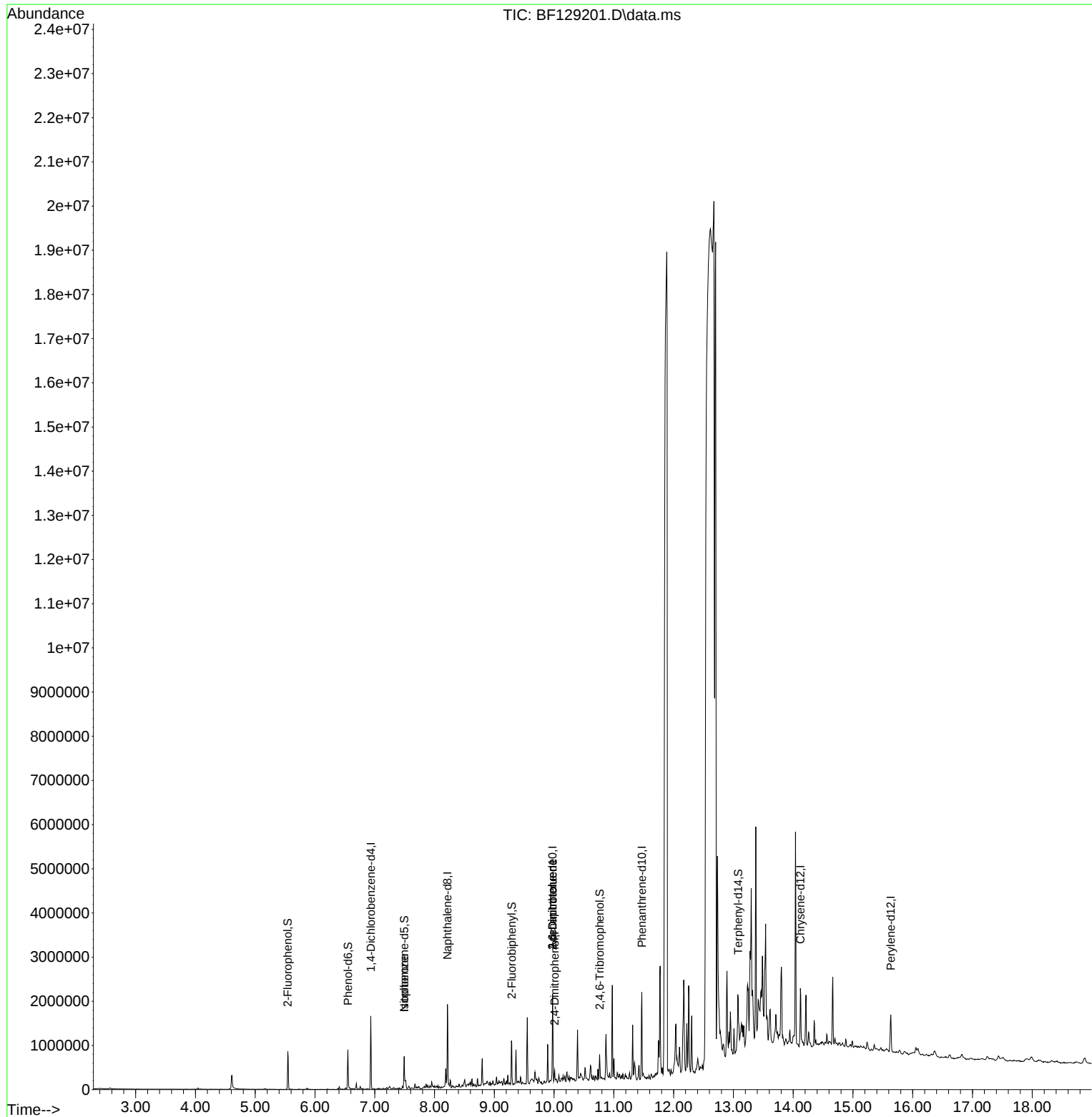
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	221425	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	756497	20.000	ng	0.00
39) Acenaphthene-d10	9.975	164	358626	20.000	ng	0.00
64) Phenanthrene-d10	11.469	188	666476	20.000	ng	0.00
76) Chrysene-d12	14.121	240	426030	20.000	ng	0.00
86) Perylene-d12	15.633	264	333348	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	224689	17.156	ng	-0.02
7) Phenol-d6	6.551	99	271546	16.694	ng	-0.02
23) Nitrobenzene-d5	7.492	82	162241	12.792	ng	-0.01
42) 2,4,6-Tribromophenol	10.763	330	62877	16.124	ng	-0.01
45) 2-Fluorobiphenyl	9.292	172	291708	13.013	ng	0.00
79) Terphenyl-d14	13.080	244	300601	14.652	ng	0.02
Target Compounds						
9) Benzaldehyde	6.487	77	1248	Below Cal	Qvalue #	22
25) Isophorone	7.492	82	159846	7.457 ng	#	66
51) 2,6-Dinitrotoluene	9.975	165	50564	11.029 ng	#	26
54) 2,4-Dinitrophenol	10.010	184	395	7.012 ng	#	1
57) 2,4-Dinitrotoluene	9.975	165	50564	8.934 ng	#	22

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

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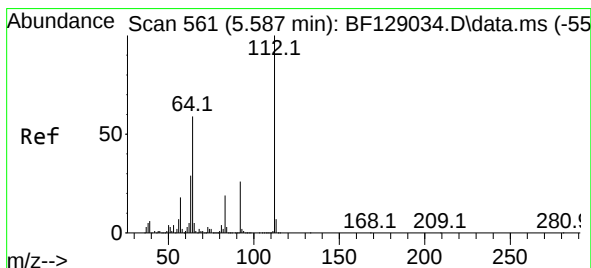
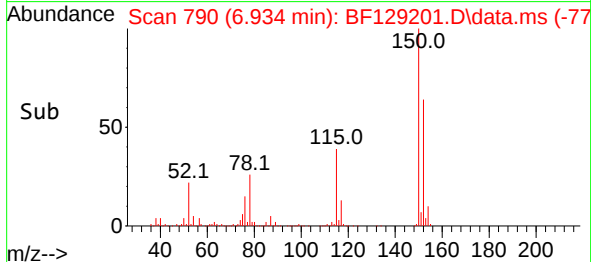
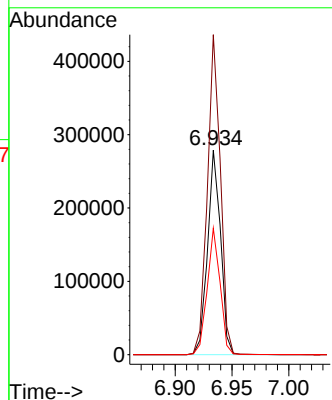
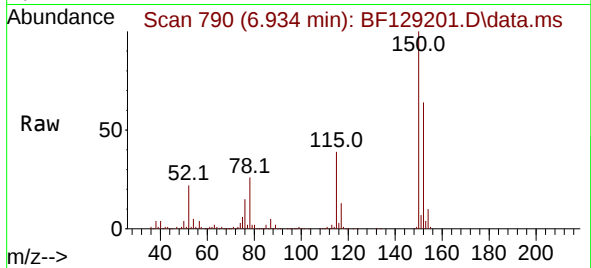




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 795
Delta R.T. -0.005 min
Lab File: BF129201.D
Acq: 12 Jul 2022 21:34

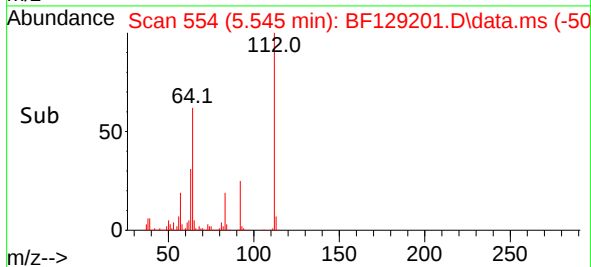
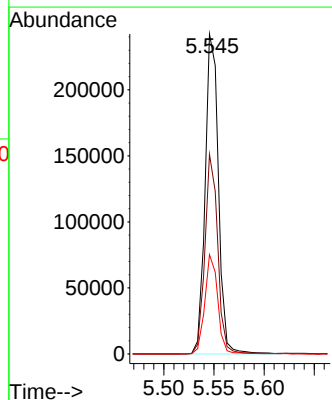
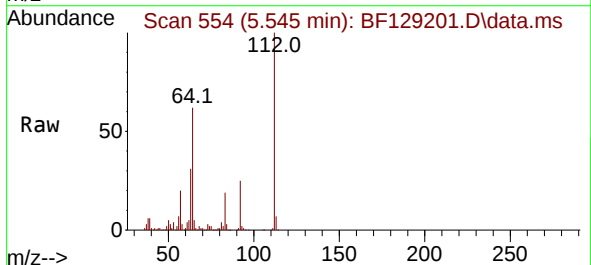
Instrument :
BNA_F
ClientSampleId :
OR-03-070822

Tgt Ion:152 Resp: 221425
Ion Ratio Lower Upper
152 100
150 156.4 123.7 185.5
115 61.8 49.9 74.9



#5
2-Fluorophenol
Concen: 17.156 ng
RT: 5.545 min Scan# 554
Delta R.T. -0.018 min
Lab File: BF129201.D
Acq: 12 Jul 2022 21:34

Tgt Ion:112 Resp: 224689
Ion Ratio Lower Upper
112 100
64 62.4 53.3 79.9
63 31.0 28.0 42.0

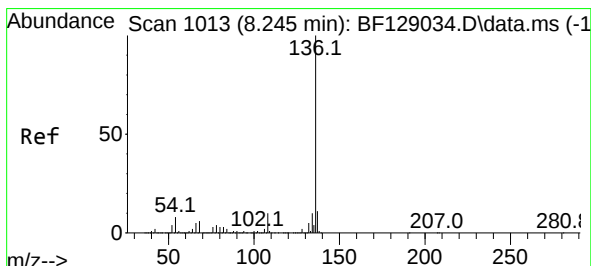
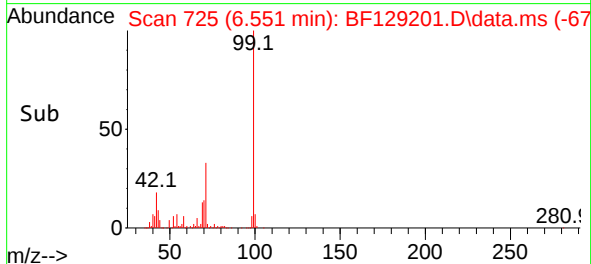
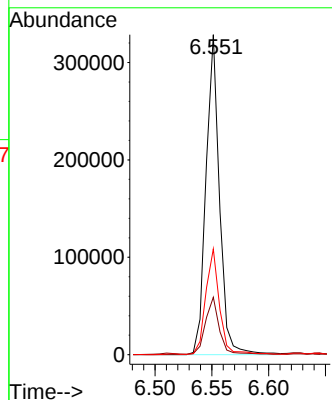
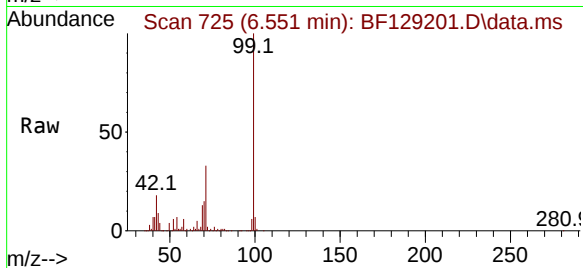




#7
Phenol-d6
Concen: 16.694 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF129201.D
Acq: 12 Jul 2022 21:34

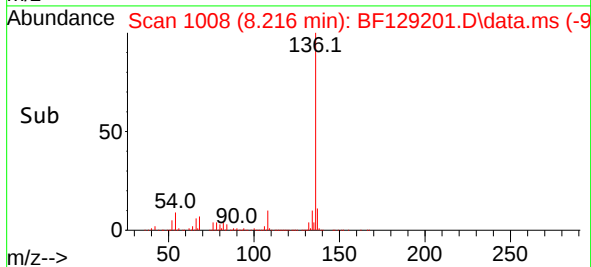
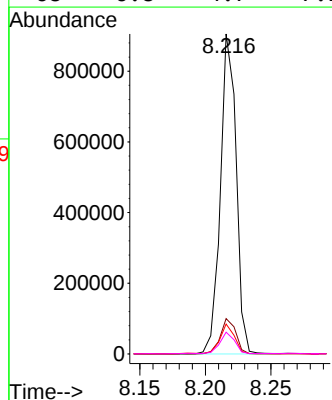
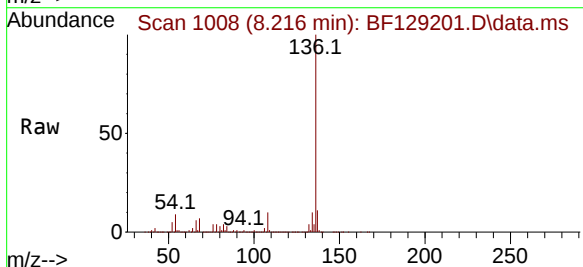
Instrument :
BNA_F
ClientSampleId :
OR-03-070822

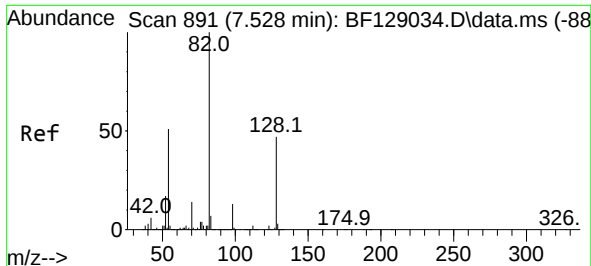
Tgt Ion: 99 Resp: 271546
Ion Ratio Lower Upper
99 100
42 18.0 17.3 25.9
71 33.0 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF129201.D
Acq: 12 Jul 2022 21:34

Tgt Ion: 136 Resp: 756497
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 9.3 7.5 11.3
68 6.8 4.7 7.1

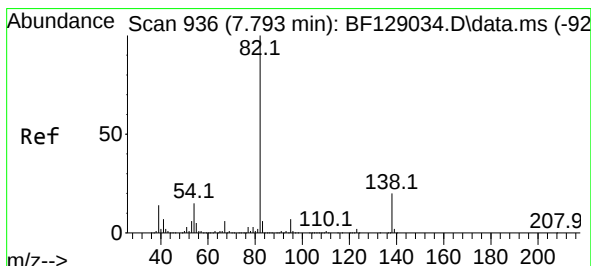
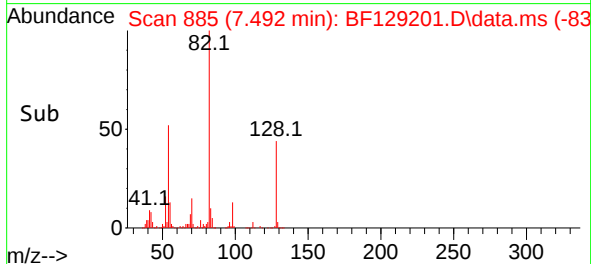
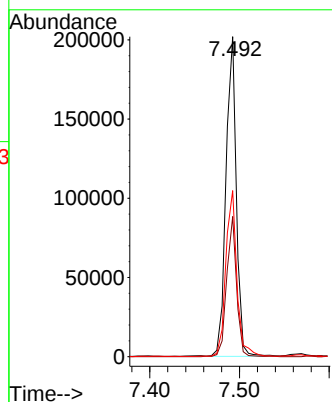
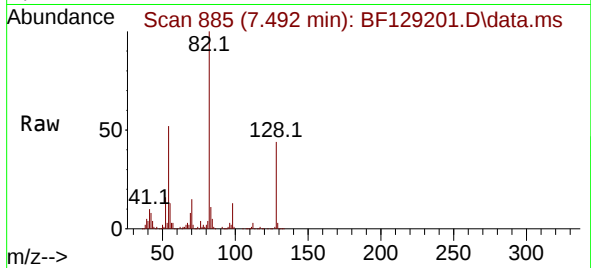




#23
Nitrobenzene-d5
Concen: 12.792 ng
RT: 7.492 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF129201.D
Acq: 12 Jul 2022 21:34

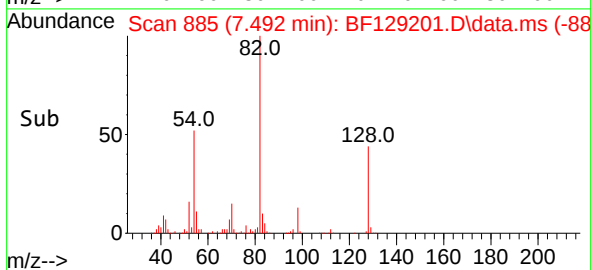
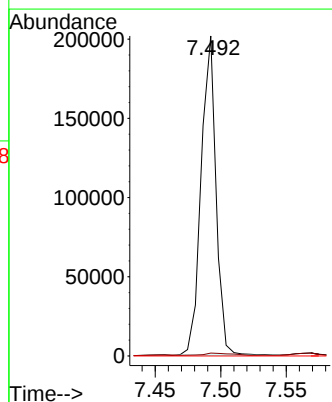
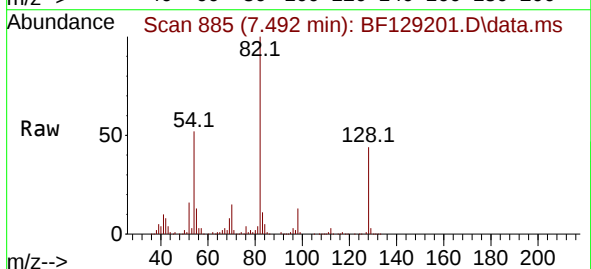
Instrument :
BNA_F
ClientSampleId :
OR-03-070822

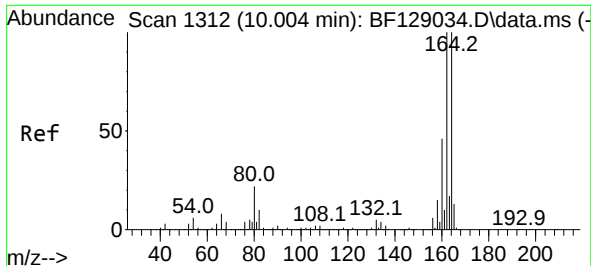
Tgt Ion: 82 Resp: 162241
Ion Ratio Lower Upper
82 100
128 43.8 34.0 51.0
54 51.9 46.9 70.3



#25
Isophorone
Concen: 7.457 ng
RT: 7.492 min Scan# 885
Delta R.T. -0.271 min
Lab File: BF129201.D
Acq: 12 Jul 2022 21:34

Tgt Ion: 82 Resp: 159846
Ion Ratio Lower Upper
82 100
95 0.9 5.7 8.5#
138 0.0 14.2 21.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.975 min Scan# 1312

Delta R.T. -0.006 min

Lab File: BF129201.D

Acq: 12 Jul 2022 21:34

Instrument :

BNA_F

ClientSampleId :

OR-03-070822

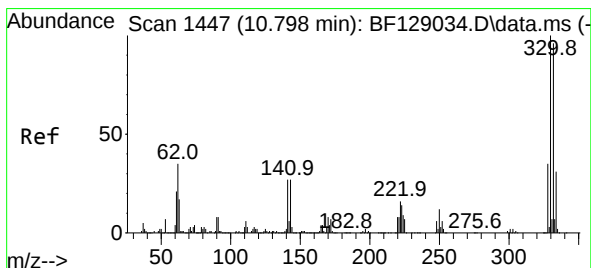
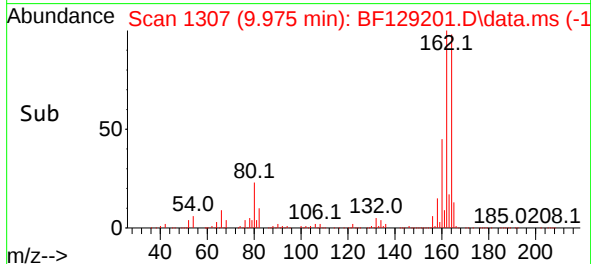
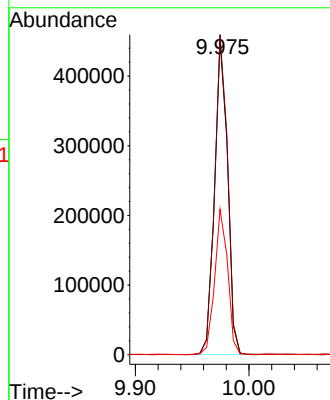
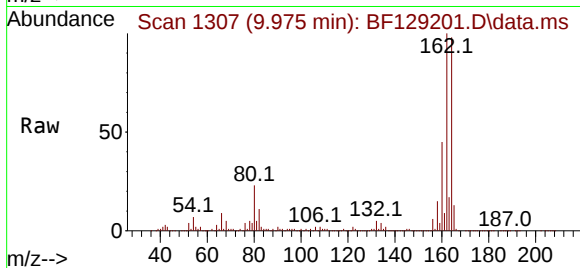
Tgt Ion:164 Resp: 358626

Ion Ratio Lower Upper

164 100

162 101.9 79.5 119.3

160 46.3 34.2 51.4



#42

2,4,6-Tribromophenol

Concen: 16.124 ng

RT: 10.763 min Scan# 1441

Delta R.T. -0.012 min

Lab File: BF129201.D

Acq: 12 Jul 2022 21:34

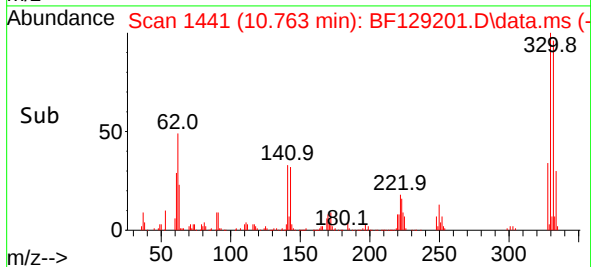
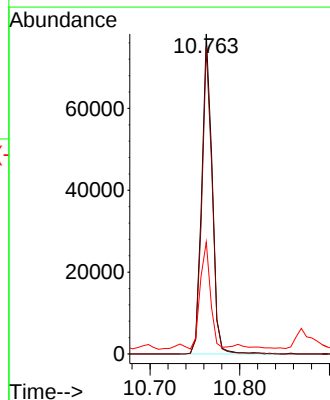
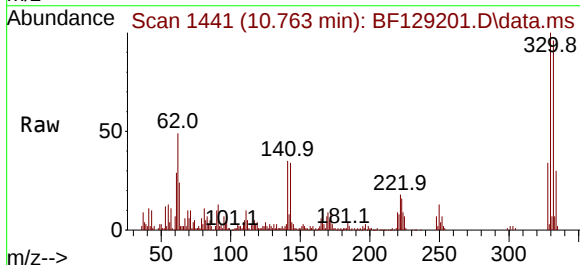
Tgt Ion:330 Resp: 62877

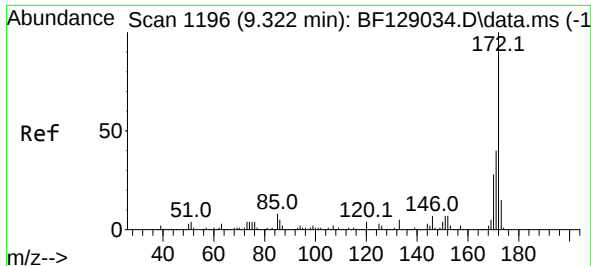
Ion Ratio Lower Upper

330 100

332 94.6 76.8 115.2

141 33.0 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 13.013 ng

RT: 9.292 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF129201.D

Acq: 12 Jul 2022 21:34

Instrument :

BNA_F

ClientSampleId :

OR-03-070822

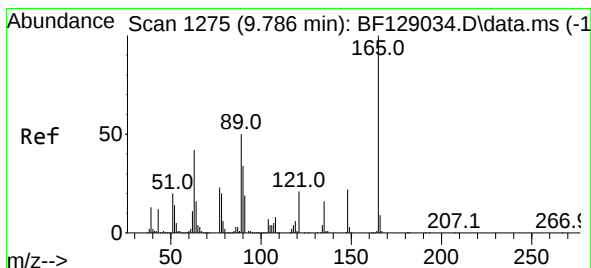
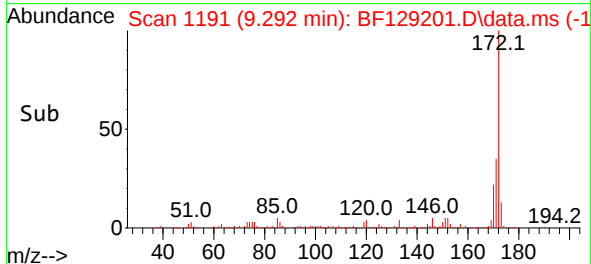
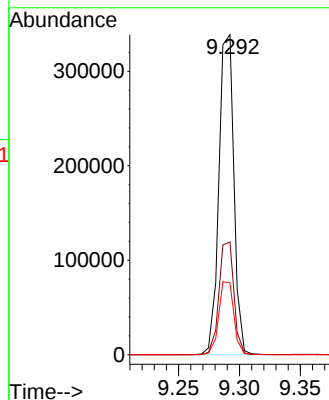
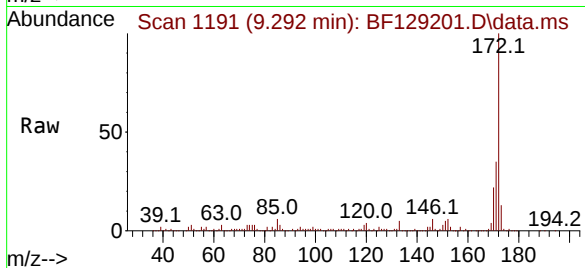
Tgt Ion:172 Resp: 291708

Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 22.4 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 11.029 ng

RT: 9.975 min Scan# 1307

Delta R.T. 0.212 min

Lab File: BF129201.D

Acq: 12 Jul 2022 21:34

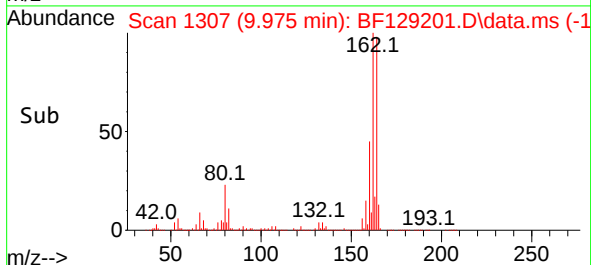
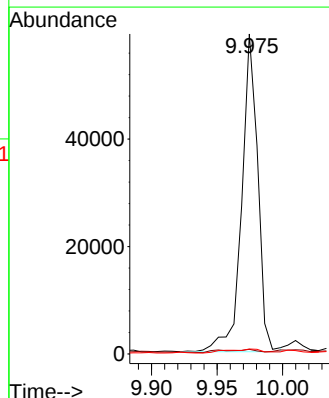
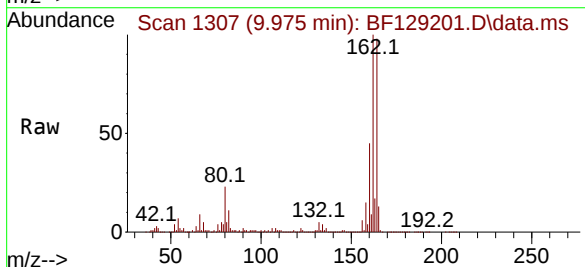
Tgt Ion:165 Resp: 50564

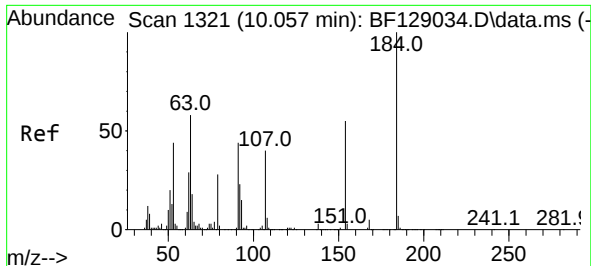
Ion Ratio Lower Upper

165 100

63 1.5 44.9 67.3#

89 1.5 43.6 65.4#

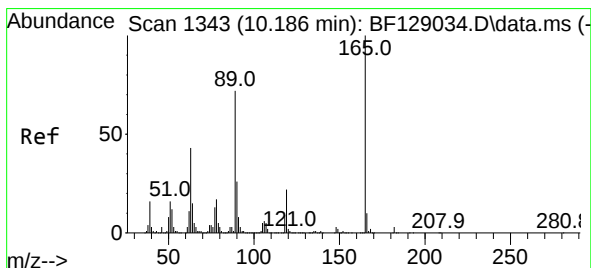
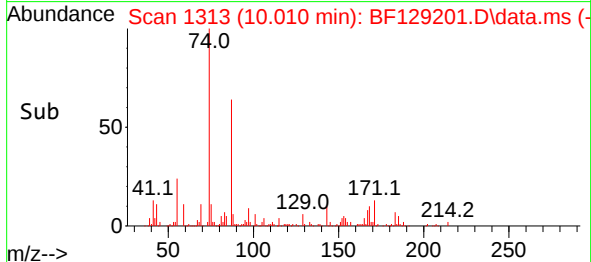
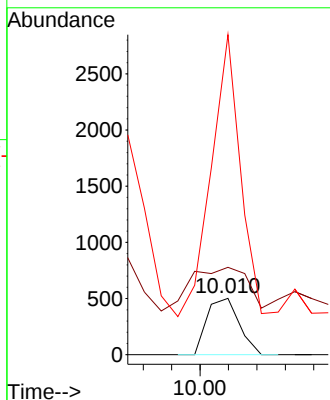
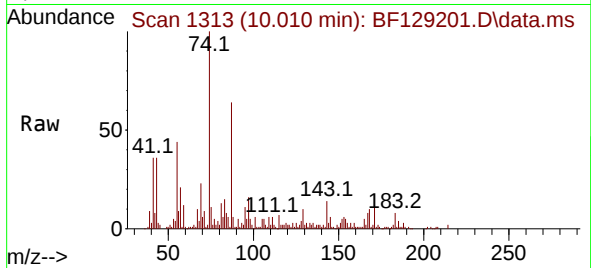




#54
2,4-Dinitrophenol
Concen: 7.012 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF129201.D
Acq: 12 Jul 2022 21:34

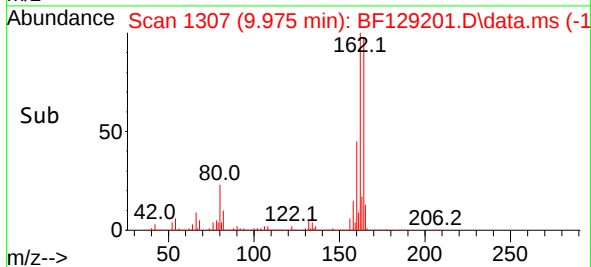
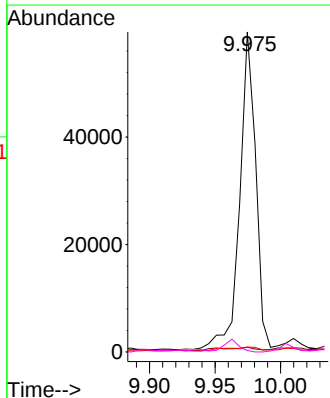
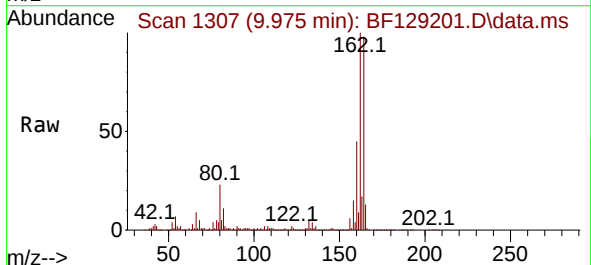
Instrument :
BNA_F
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OR-03-070822

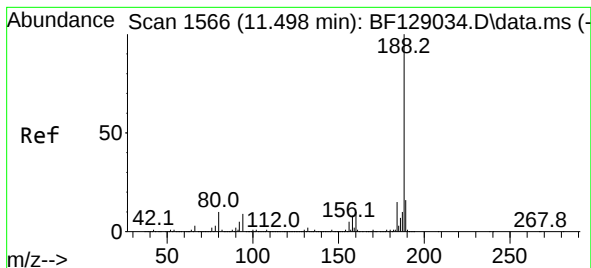
Tgt Ion:184 Resp: 395
Ion Ratio Lower Upper
184 100
63 155.0 64.5 96.7#
154 567.5 50.6 75.8#



#57
2,4-Dinitrotoluene
Concen: 8.934 ng
RT: 9.975 min Scan# 1307
Delta R.T. -0.194 min
Lab File: BF129201.D
Acq: 12 Jul 2022 21:34

Tgt Ion:165 Resp: 50564
Ion Ratio Lower Upper
165 100
63 1.5 39.8 59.6#
89 1.5 60.2 90.2#
182 0.4 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.469 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF129201.D

Acq: 12 Jul 2022 21:34

Instrument :

BNA_F

ClientSampleId :

OR-03-070822

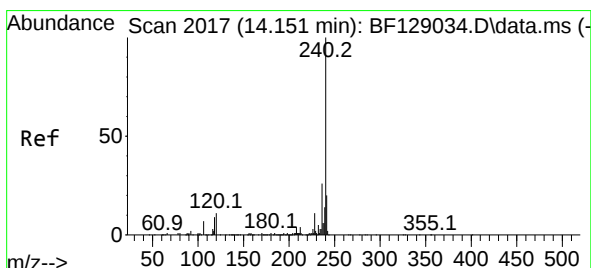
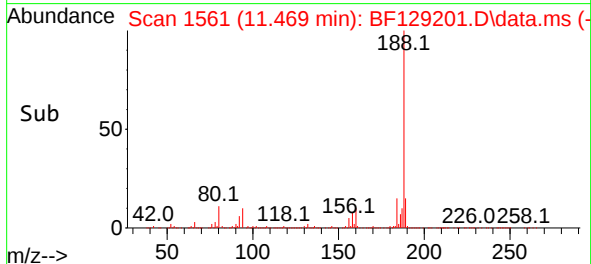
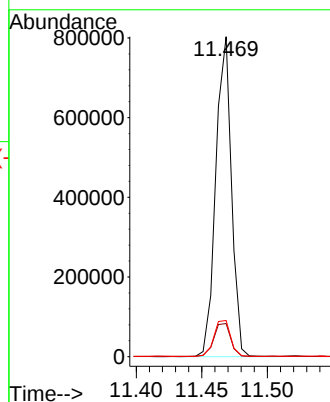
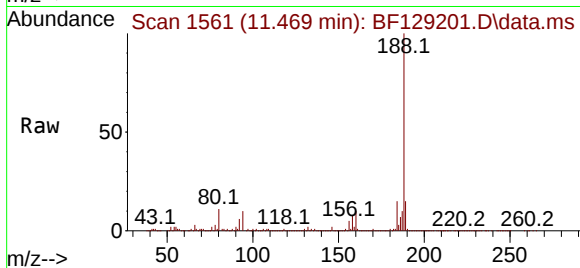
Tgt Ion:188 Resp: 666476

Ion Ratio Lower Upper

188 100

94 10.3 7.0 10.6

80 11.3 7.6 11.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2012

Delta R.T. -0.000 min

Lab File: BF129201.D

Acq: 12 Jul 2022 21:34

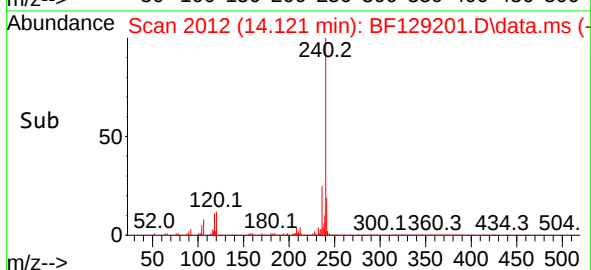
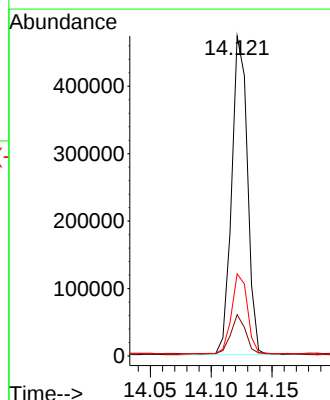
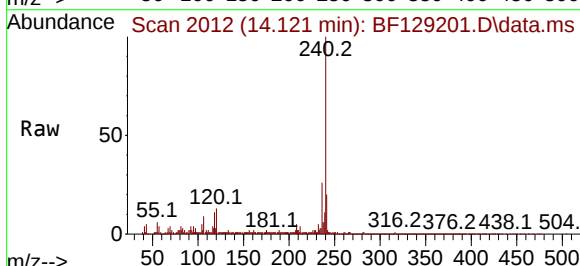
Tgt Ion:240 Resp: 426030

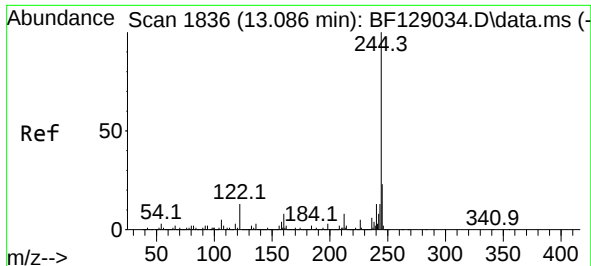
Ion Ratio Lower Upper

240 100

120 12.9 8.9 13.3

236 25.7 20.8 31.2

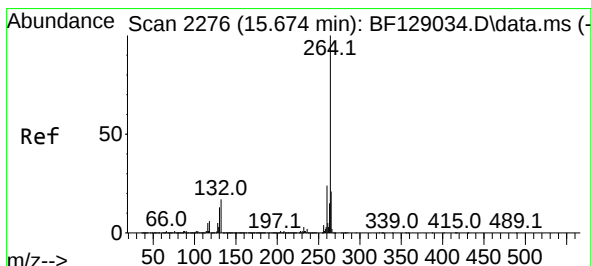
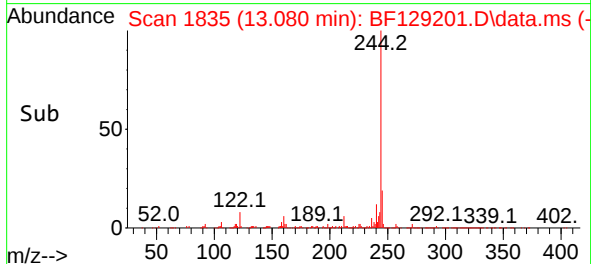
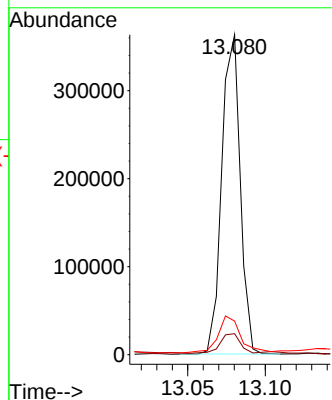
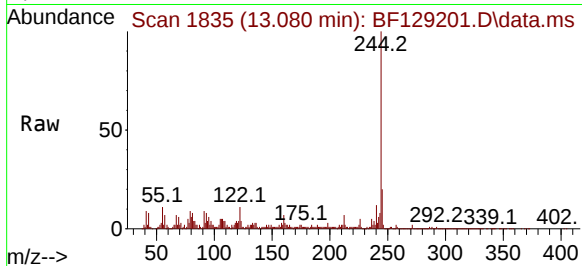




#79
 Terphenyl-d14
 Concen: 14.652 ng
 RT: 13.080 min Scan# 11
 Delta R.T. 0.018 min
 Lab File: BF129201.D
 Acq: 12 Jul 2022 21:34

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-070822

Tgt Ion:244 Resp: 300601
 Ion Ratio Lower Upper
 244 100
 212 6.5 6.1 9.1
 122 10.5 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 2269
 Delta R.T. -0.000 min
 Lab File: BF129201.D
 Acq: 12 Jul 2022 21:34

Tgt Ion:264 Resp: 333348
 Ion Ratio Lower Upper
 264 100
 260 24.8 18.4 27.6
 265 21.8 17.2 25.8

