

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112423\
 Data File : BF136213.D
 Acq On : 25 Nov 2023 09:49
 Operator : CG\JU
 Sample : 05466-06
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB200018

Quant Time: Nov 27 02:21:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 24 23:44:28 2023
 Response via : Initial Calibration

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

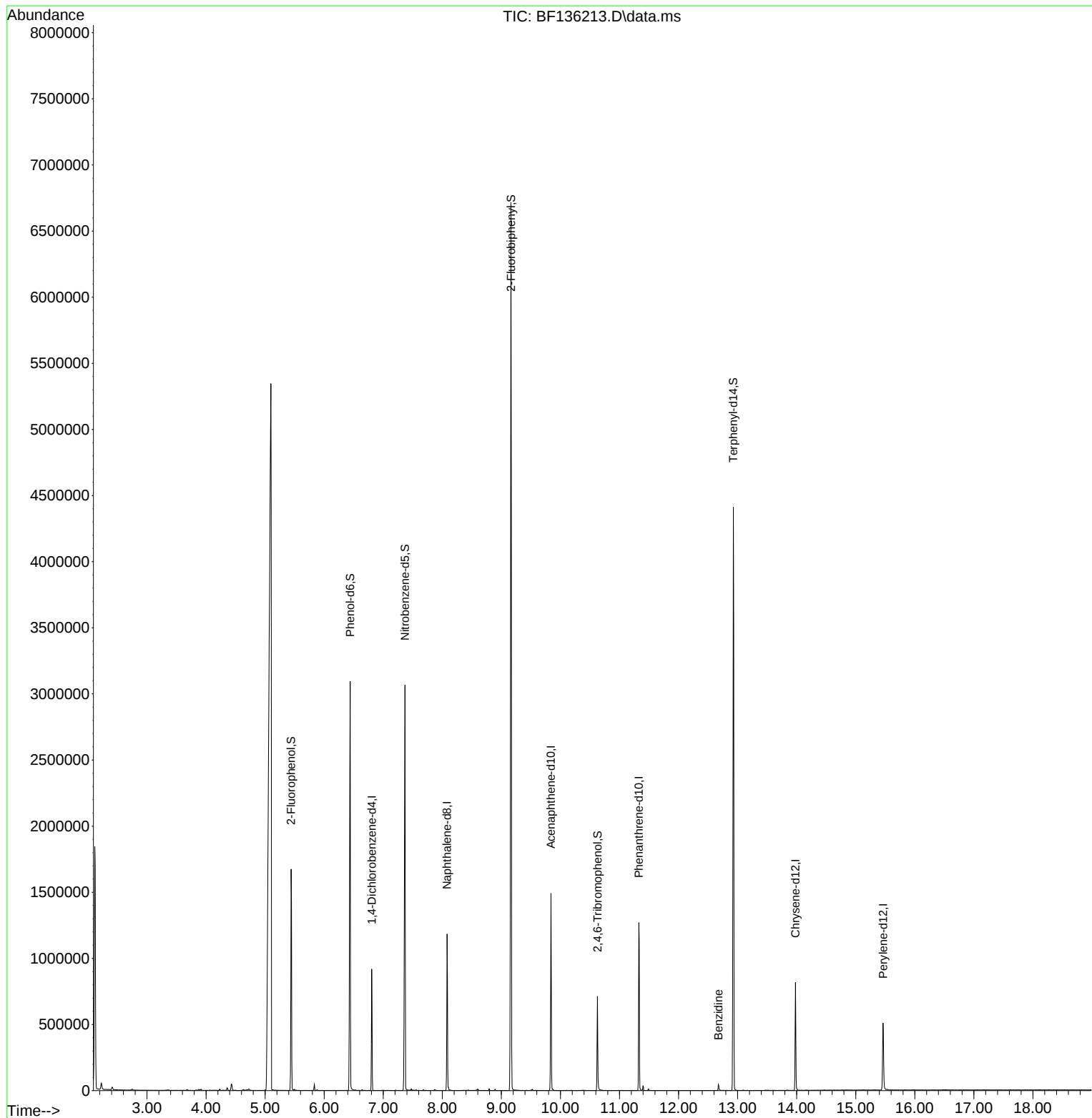
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	119765	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	505798	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	260498	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	485610	20.000	ng	-0.01
76) Chrysene-d12	13.980	240	254317	20.000	ng	0.00
86) Perylene-d12	15.462	264	248181	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	426278	56.672	ng	0.00
7) Phenol-d6	6.439	99	1008951	109.008	ng	0.00
23) Nitrobenzene-d5	7.369	82	1025832	113.177	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	81398	29.835	ng	-0.01
45) 2-Fluorobiphenyl	9.163	172	2132524	121.010	ng	0.00
79) Terphenyl-d14	12.927	244	1688546	94.247	ng	0.00
Target Compounds						
77) Benzidine	12.674	184	21704	4.929	ng	Qvalue 99

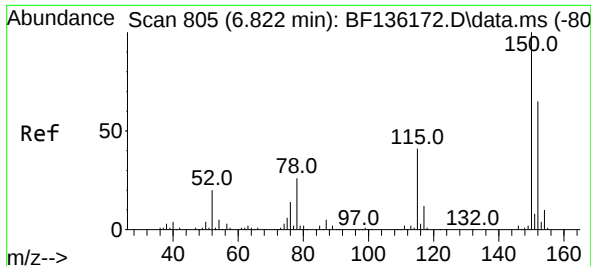
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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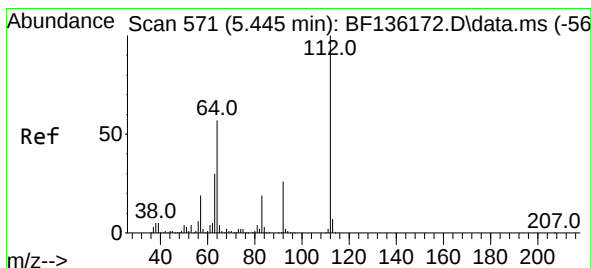
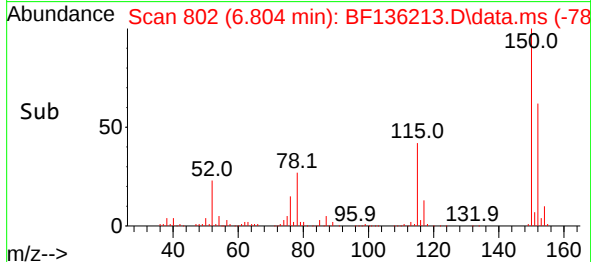
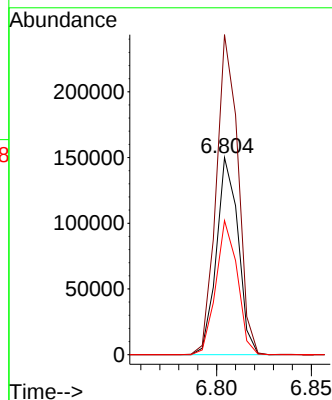
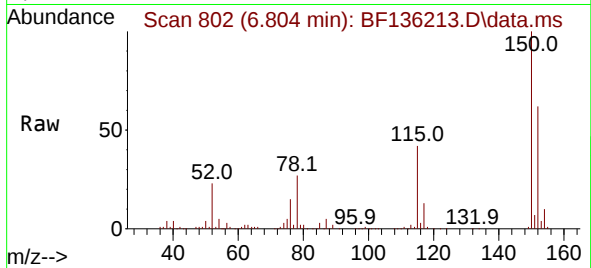




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF136213.D
Acq: 25 Nov 2023 09:49

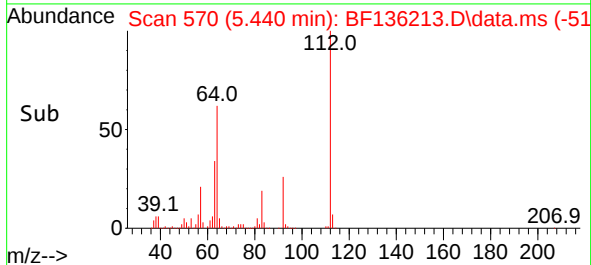
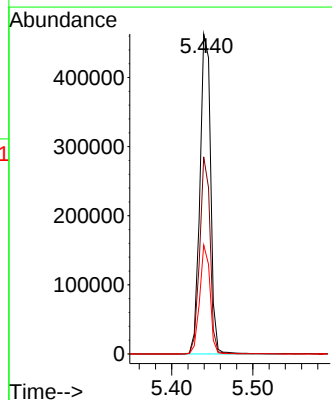
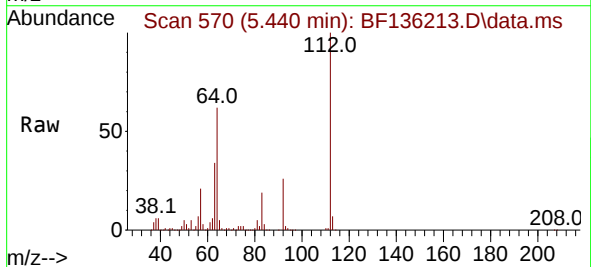
Instrument :
BNA_F
ClientSampleId :
RB200018

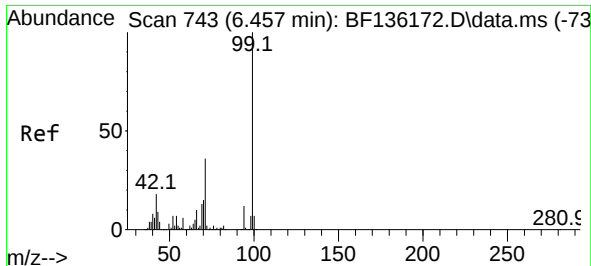
Tgt Ion:152 Resp: 119765
Ion Ratio Lower Upper
152 100
150 162.4 123.1 184.7
115 68.0 50.5 75.7



#5
2-Fluorophenol
Concen: 56.672 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF136213.D
Acq: 25 Nov 2023 09:49

Tgt Ion:112 Resp: 426278
Ion Ratio Lower Upper
112 100
64 61.6 45.4 68.0
63 34.1 24.4 36.6

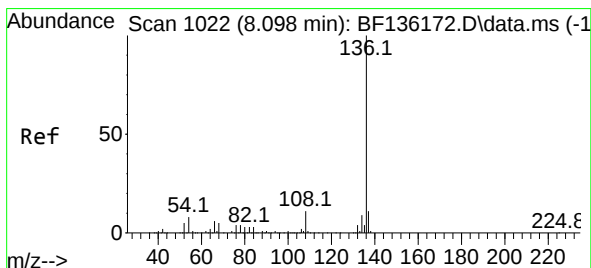
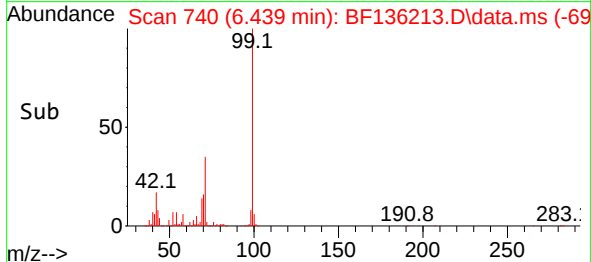
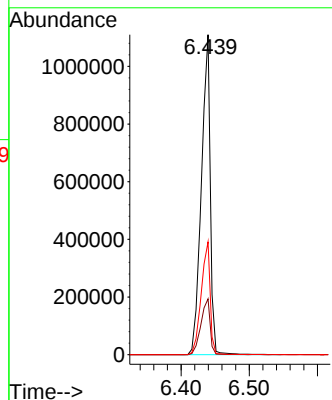
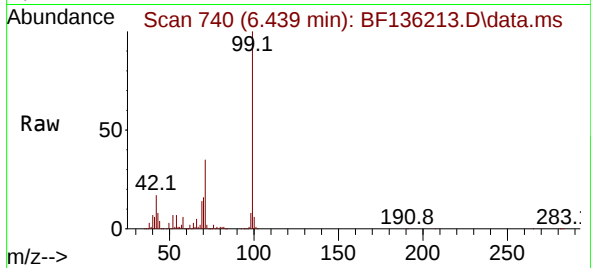




#7
Phenol-d6
Concen: 109.008 ng
RT: 6.439 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF136213.D
Acq: 25 Nov 2023 09:49

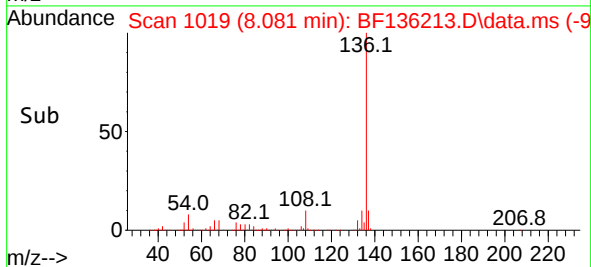
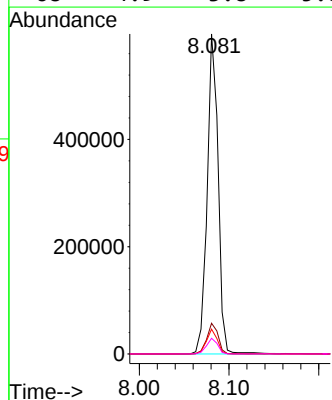
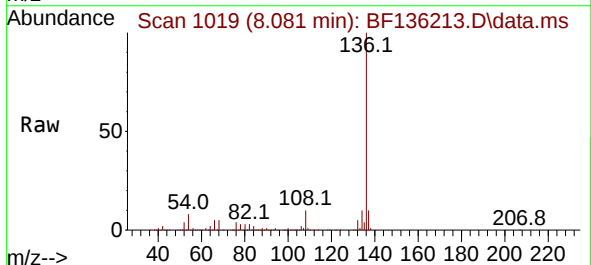
Instrument :
BNA_F
ClientSampleId :
RB200018

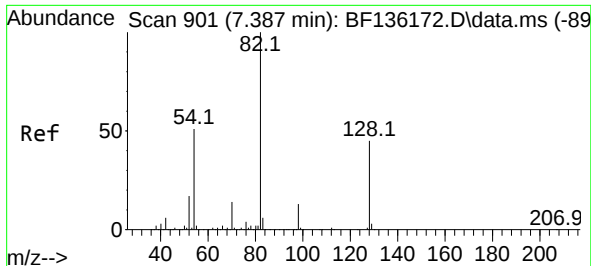
Tgt Ion: 99 Resp: 1008951
Ion Ratio Lower Upper
99 100
42 17.5 14.1 21.1
71 35.3 29.0 43.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136213.D
Acq: 25 Nov 2023 09:49

Tgt Ion: 136 Resp: 505798
Ion Ratio Lower Upper
136 100
137 9.6 8.6 13.0
54 7.7 6.3 9.5
68 4.9 3.8 5.8





#23

Nitrobenzene-d5

Concen: 113.177 ng

RT: 7.369 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF136213.D

Acq: 25 Nov 2023 09:49

Instrument :

BNA_F

ClientSampleId :

RB200018

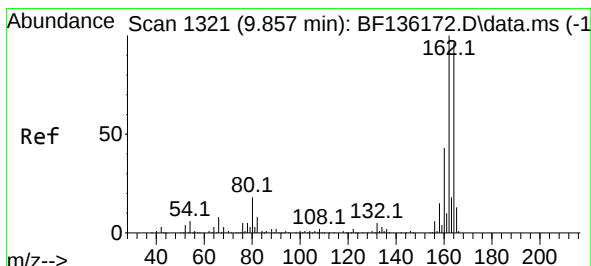
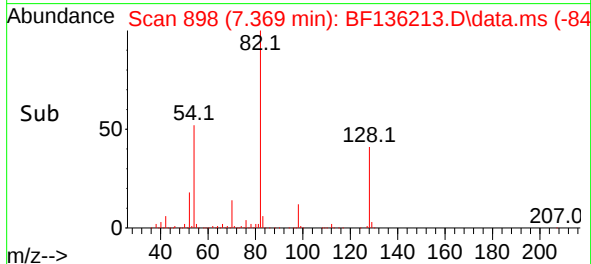
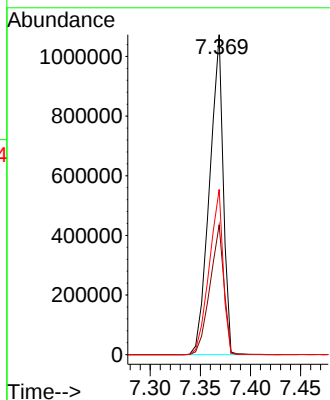
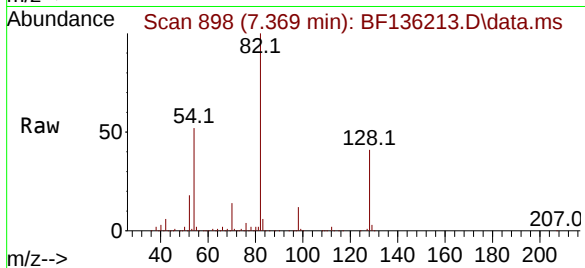
Tgt Ion: 82 Resp: 1025832

Ion Ratio Lower Upper

82 100

128 40.6 35.8 53.6

54 51.6 40.6 60.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.006 min

Lab File: BF136213.D

Acq: 25 Nov 2023 09:49

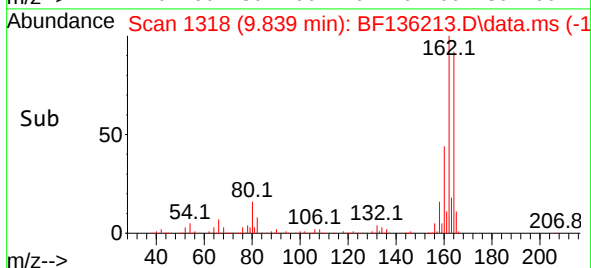
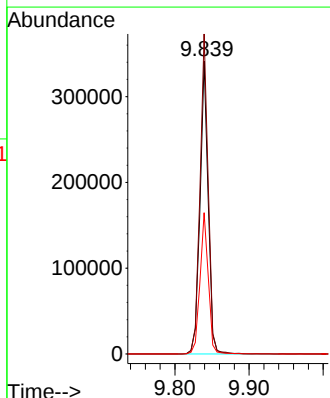
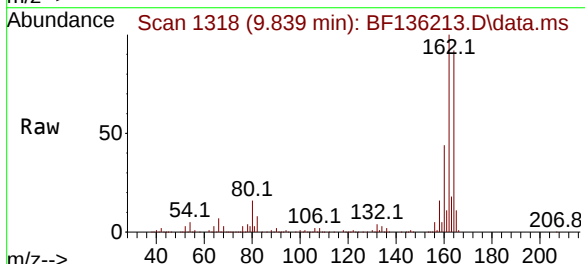
Tgt Ion:164 Resp: 260498

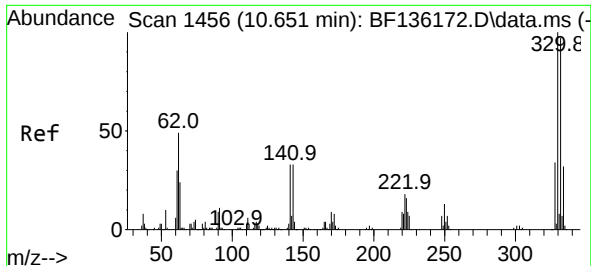
Ion Ratio Lower Upper

164 100

162 109.3 83.2 124.8

160 48.2 35.8 53.8





#42

2,4,6-Tribromophenol

Concen: 29.835 ng

RT: 10.627 min Scan# 1456

Delta R.T. -0.012 min

Lab File: BF136213.D

Acq: 25 Nov 2023 09:49

Instrument :

BNA_F

ClientSampleId :

RB200018

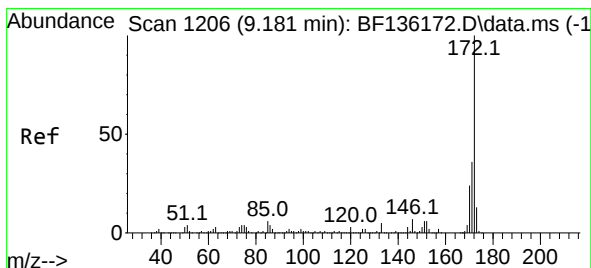
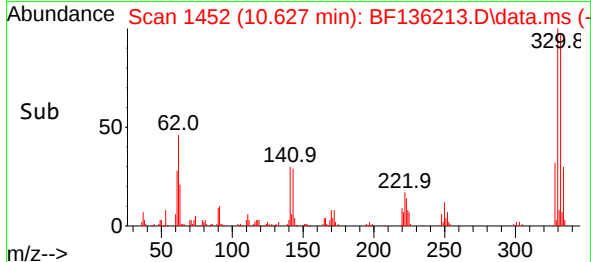
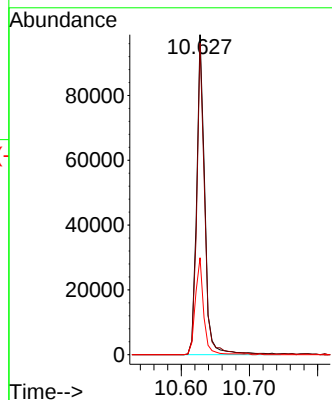
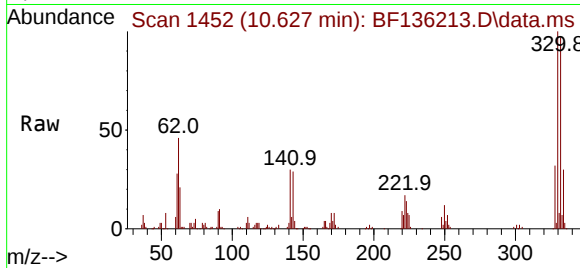
Tgt Ion:330 Resp: 81398

Ion Ratio Lower Upper

330 100

332 95.2 77.6 116.4

141 30.7 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 121.010 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136213.D

Acq: 25 Nov 2023 09:49

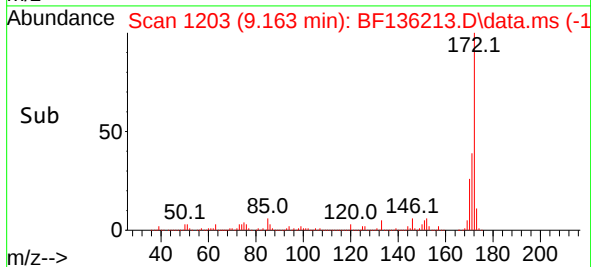
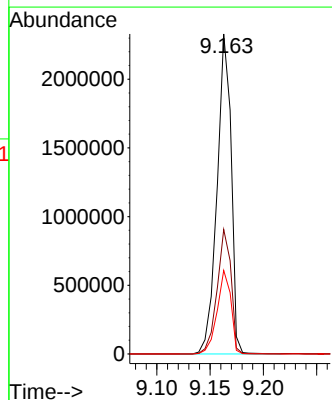
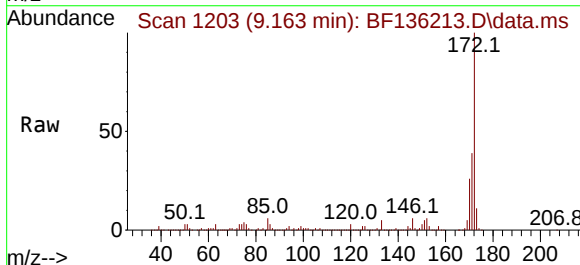
Tgt Ion:172 Resp: 2132524

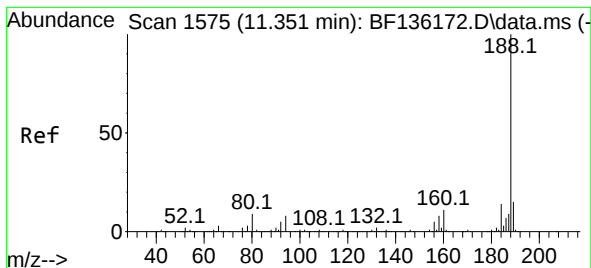
Ion Ratio Lower Upper

172 100

171 38.9 28.9 43.3

170 26.1 19.1 28.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136213.D

Acq: 25 Nov 2023 09:49

Instrument :

BNA_F

ClientSampleId :

RB200018

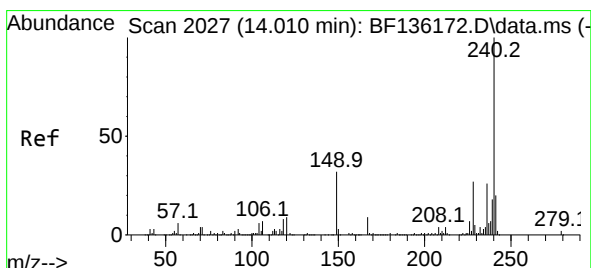
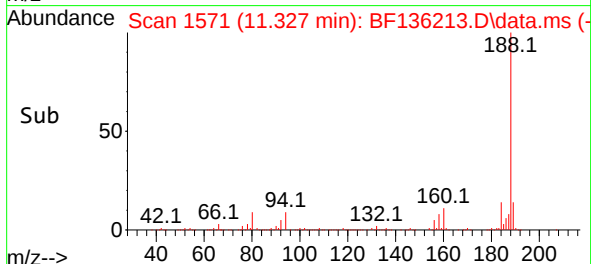
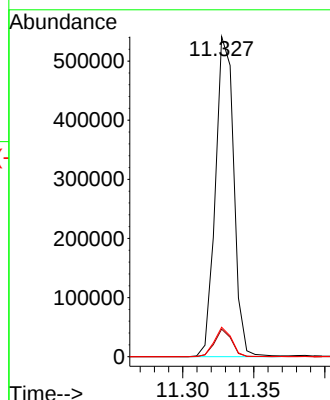
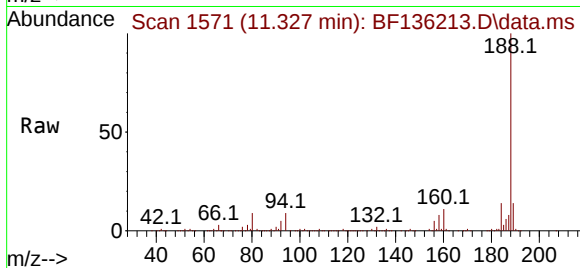
Tgt Ion:188 Resp: 485610

Ion Ratio Lower Upper

188 100

94 8.6 6.6 9.8

80 9.2 7.3 10.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF136213.D

Acq: 25 Nov 2023 09:49

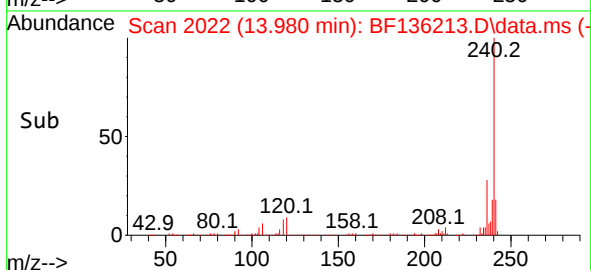
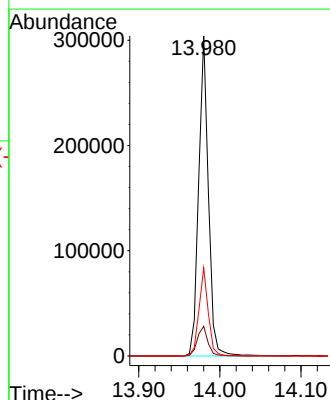
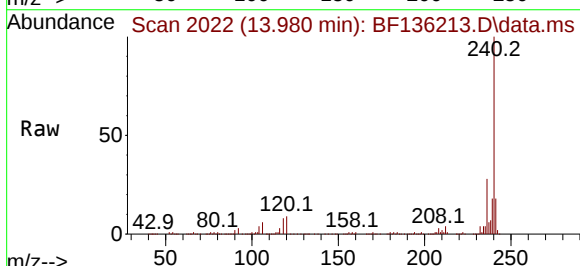
Tgt Ion:240 Resp: 254317

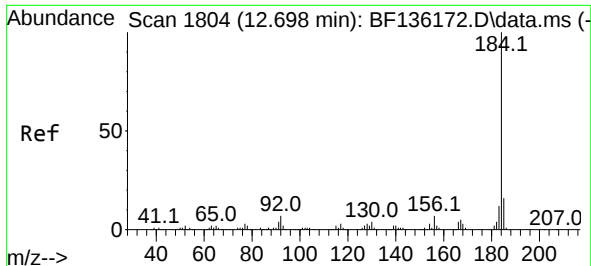
Ion Ratio Lower Upper

240 100

120 9.2 7.1 10.7

236 27.6 20.9 31.3

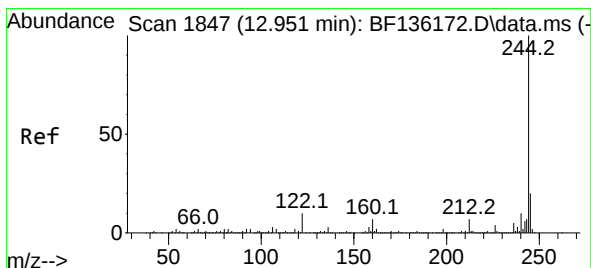
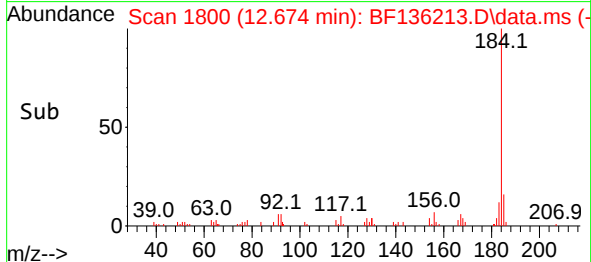
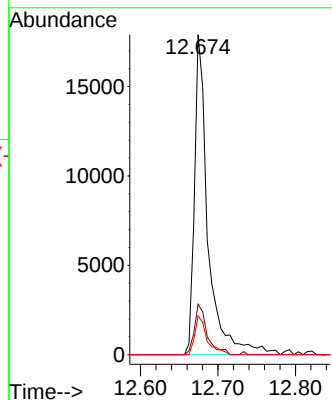
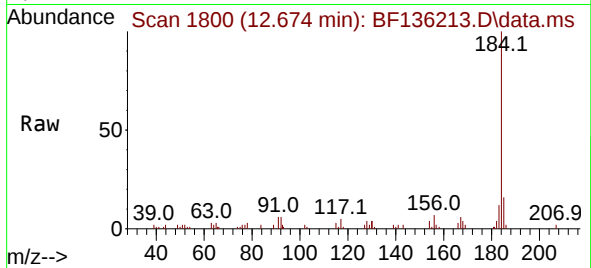




#77
Benzidine
Concen: 4.929 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF136213.D
Acq: 25 Nov 2023 09:49

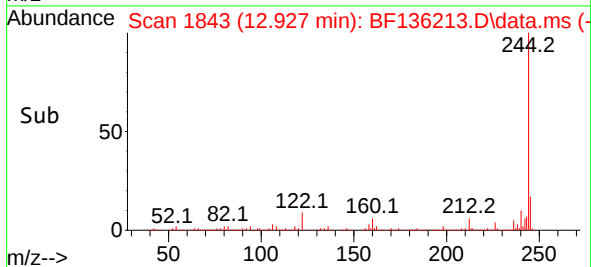
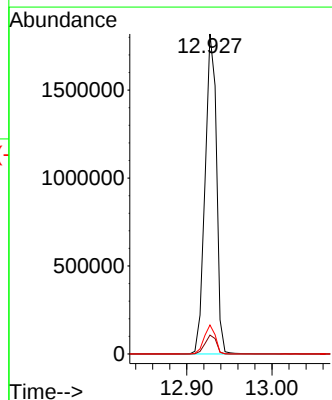
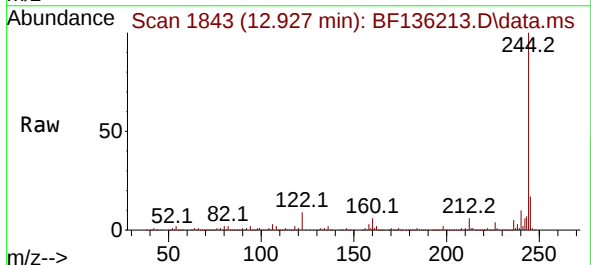
Instrument :
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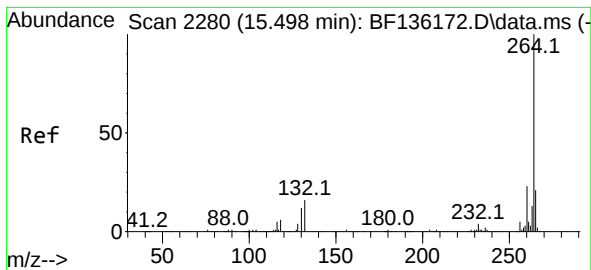
Tgt Ion:184 Resp: 21704
Ion Ratio Lower Upper
184 100
185 15.7 12.6 18.8
183 12.1 9.2 13.8



#79
Terphenyl-d14
Concen: 94.247 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF136213.D
Acq: 25 Nov 2023 09:49

Tgt Ion:244 Resp: 1688546
Ion Ratio Lower Upper
244 100
212 5.9 5.4 8.0
122 9.1 8.1 12.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.462 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF136213.D
 Acq: 25 Nov 2023 09:49

Instrument :
 BNA_F
 ClientSampleId :
 RB200018

Tgt Ion:264 Resp: 248181
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.5 27.7
 265 20.3 16.9 25.3

