

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112423\
 Data File : BF136208.D
 Acq On : 25 Nov 2023 07:11
 Operator : CG\JU
 Sample : 05466-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB21144

Quant Time: Nov 27 02:19:29 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)

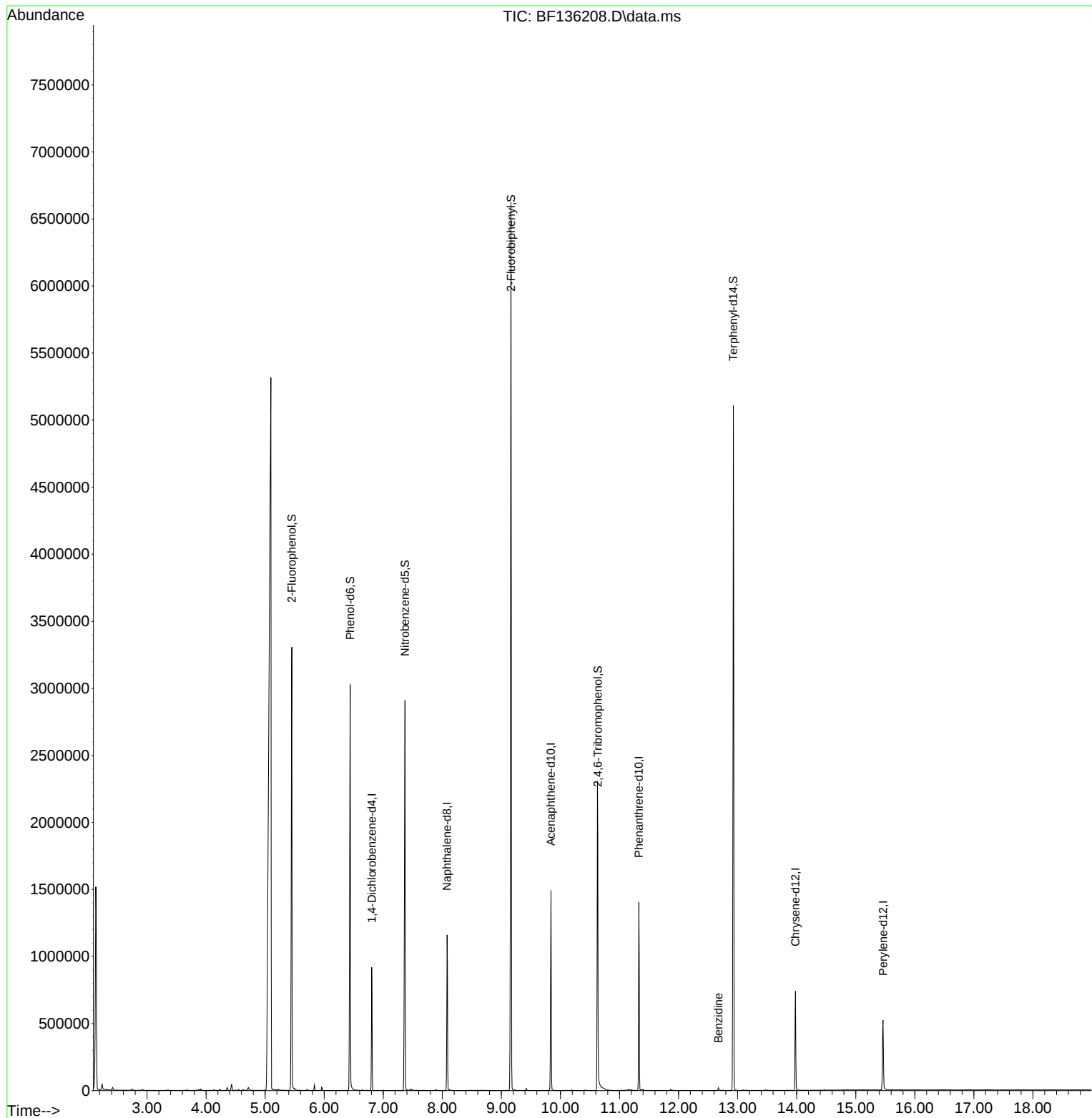
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	120592	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	512030	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	260639	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	486691	20.000	ng	-0.01
76) Chrysene-d12	13.980	240	247811	20.000	ng	0.00
86) Perylene-d12	15.462	264	245360	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	853484	112.690	ng	0.02
7) Phenol-d6	6.439	99	971602	104.253	ng	0.00
23) Nitrobenzene-d5	7.369	82	962851	104.936	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	324714	118.953	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1983338	112.484	ng	0.00
79) Terphenyl-d14	12.927	244	1841066	105.457	ng	0.00
Target Compounds						
77) Benzidine	12.674	184	10289	2.398	ng	Qvalue 100

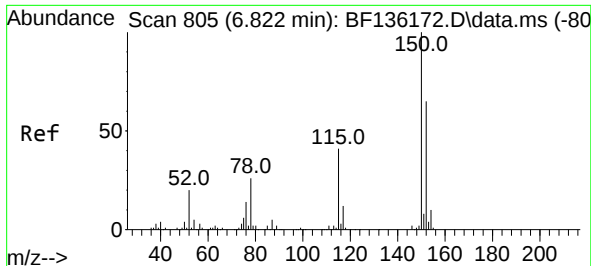
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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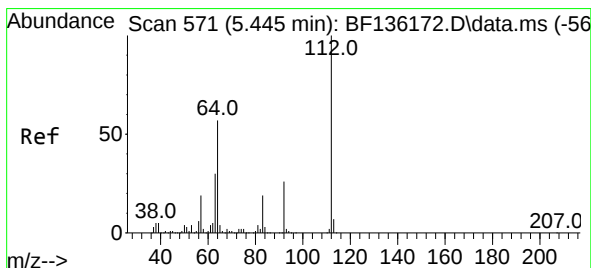
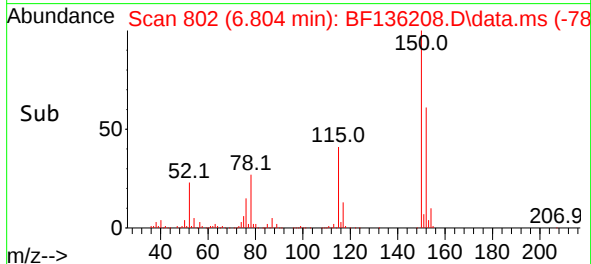
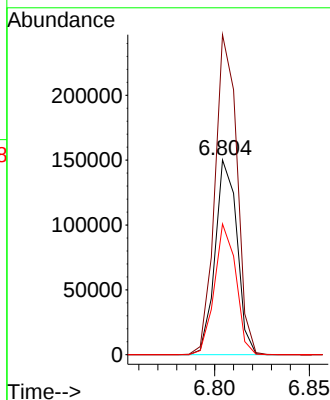
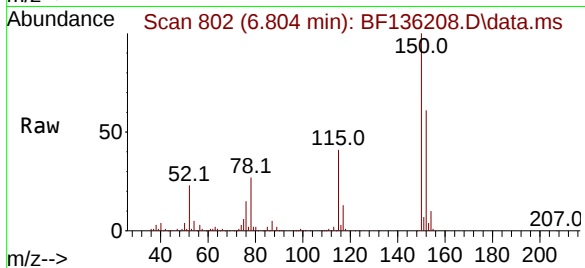




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF136208.D
Acq: 25 Nov 2023 07:11

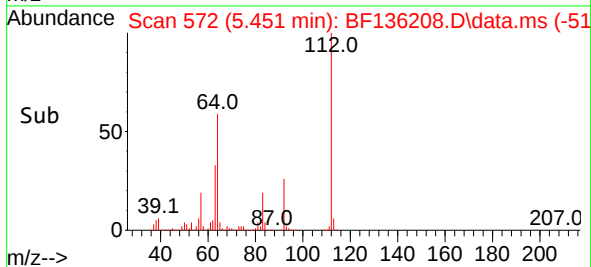
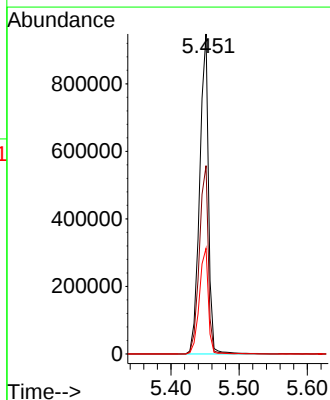
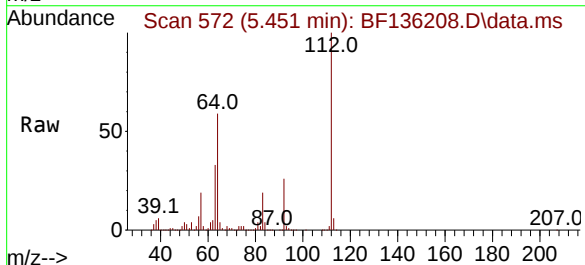
Instrument :
BNA_F
ClientSampleId :
RB21144

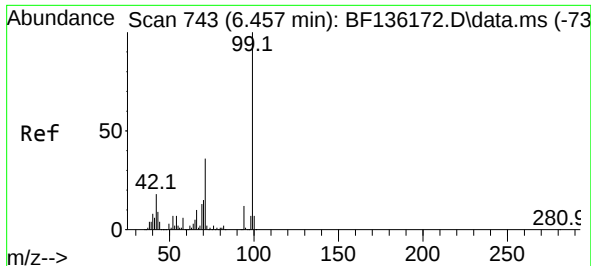
Tgt Ion:152 Resp: 120592
Ion Ratio Lower Upper
152 100
150 164.4 123.1 184.7
115 67.2 50.5 75.7



#5
2-Fluorophenol
Concen: 112.690 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.017 min
Lab File: BF136208.D
Acq: 25 Nov 2023 07:11

Tgt Ion:112 Resp: 853484
Ion Ratio Lower Upper
112 100
64 58.9 45.4 68.0
63 33.0 24.4 36.6

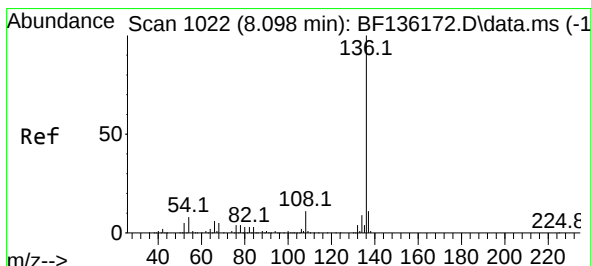
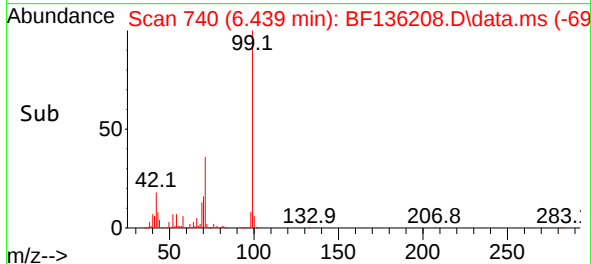
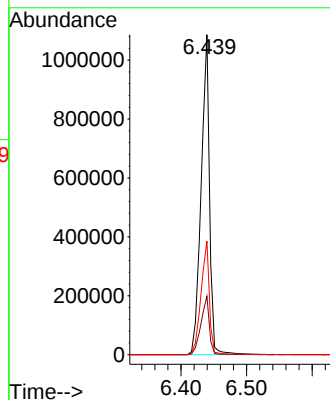
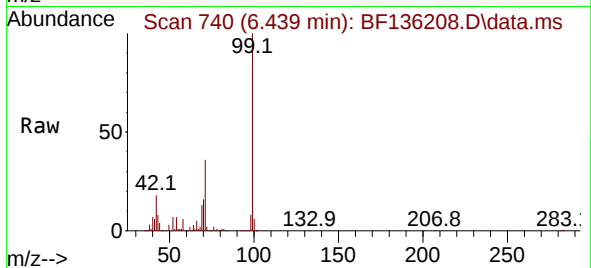




#7
Phenol-d6
Concen: 104.253 ng
RT: 6.439 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF136208.D
Acq: 25 Nov 2023 07:11

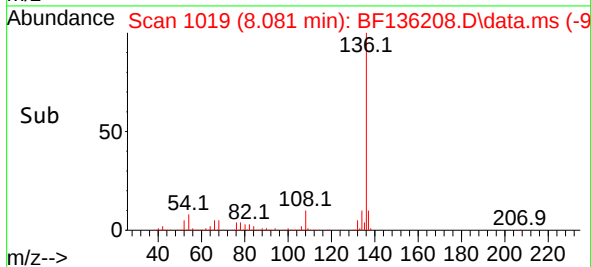
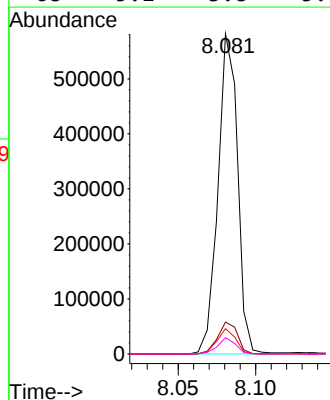
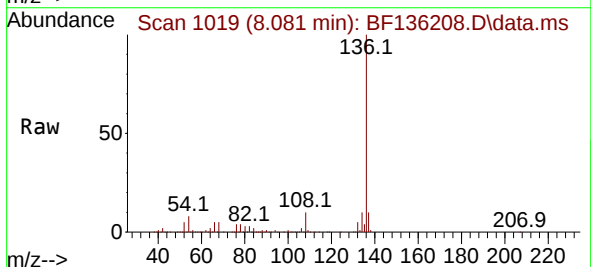
Instrument :
BNA_F
ClientSampleId :
RB21144

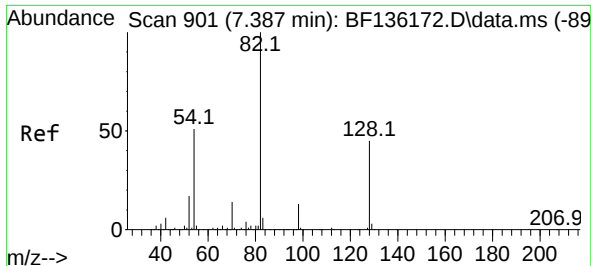
Tgt Ion: 99 Resp: 971602
Ion Ratio Lower Upper
99 100
42 18.3 14.1 21.1
71 35.5 29.0 43.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136208.D
Acq: 25 Nov 2023 07:11

Tgt Ion: 136 Resp: 512030
Ion Ratio Lower Upper
136 100
137 9.9 8.6 13.0
54 7.9 6.3 9.5
68 5.1 3.8 5.8





#23

Nitrobenzene-d5

Concen: 104.936 ng

RT: 7.369 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF136208.D

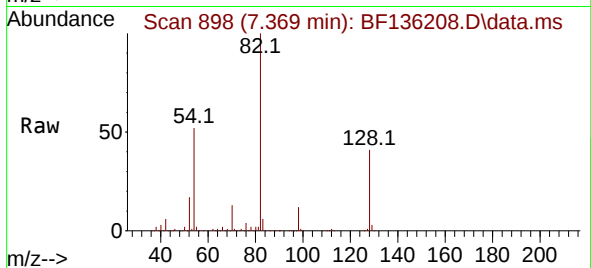
Acq: 25 Nov 2023 07:11

Instrument :

BNA_F

ClientSampleId :

RB21144



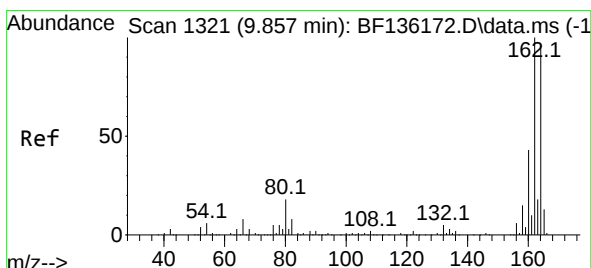
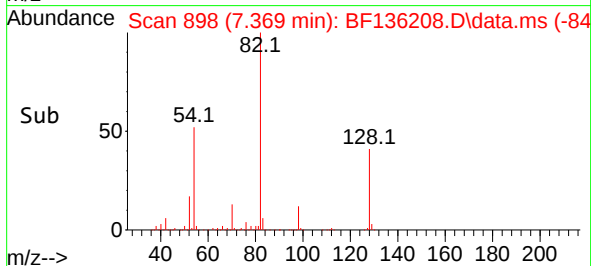
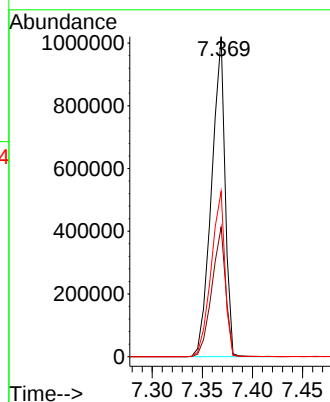
Tgt Ion: 82 Resp: 962851

Ion Ratio Lower Upper

82 100

128 40.5 35.8 53.6

54 51.7 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: BF136208.D

Acq: 25 Nov 2023 07:11

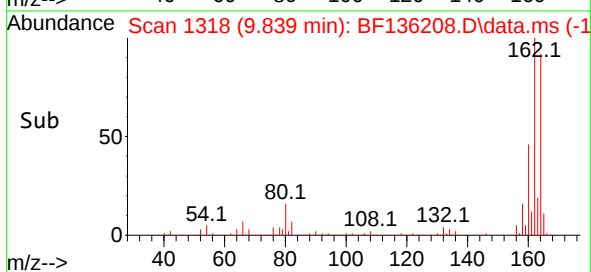
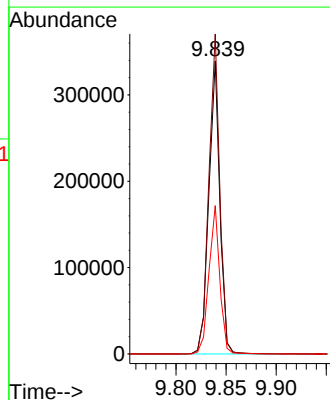
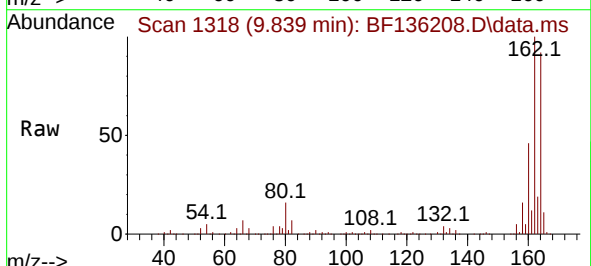
Tgt Ion: 164 Resp: 260639

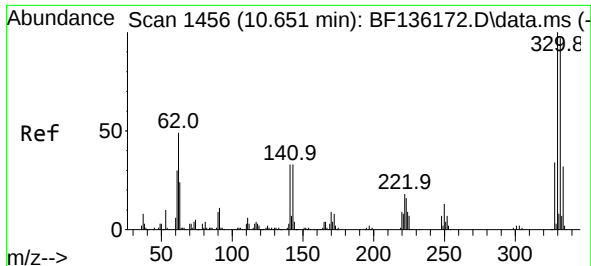
Ion Ratio Lower Upper

164 100

162 109.2 83.2 124.8

160 50.6 35.8 53.8





#42

2,4,6-Tribromophenol

Concen: 118.953 ng

RT: 10.633 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF136208.D

Acq: 25 Nov 2023 07:11

Instrument :

BNA_F

ClientSampleId :

RB21144

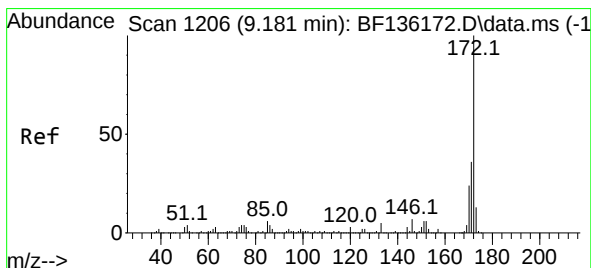
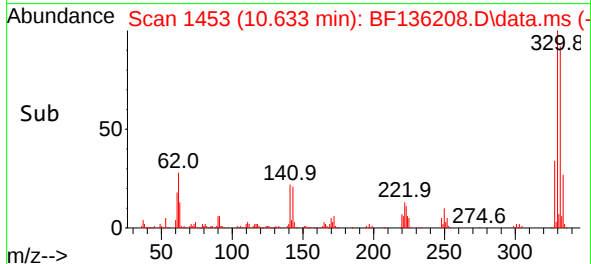
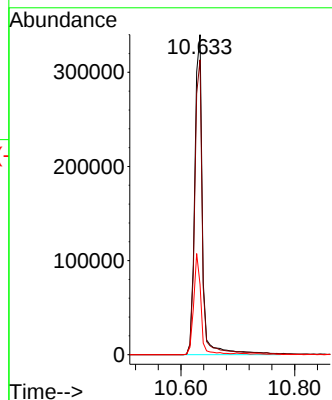
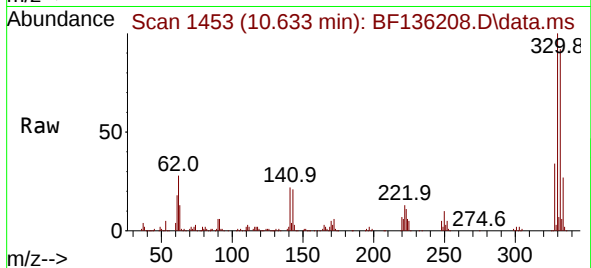
Tgt Ion:330 Resp: 324714

Ion Ratio Lower Upper

330 100

332 92.6 77.6 116.4

141 29.2 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 112.484 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136208.D

Acq: 25 Nov 2023 07:11

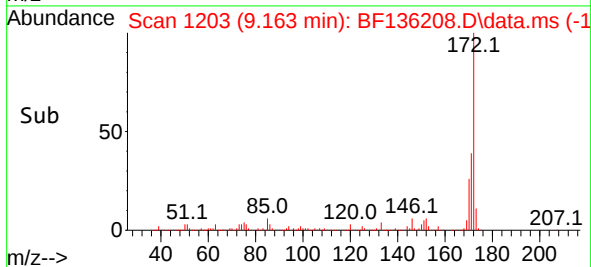
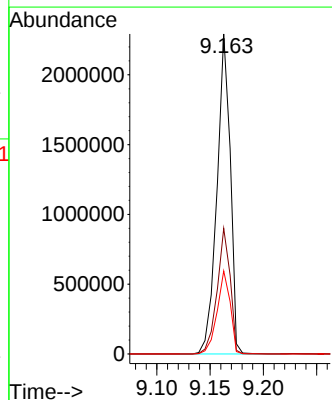
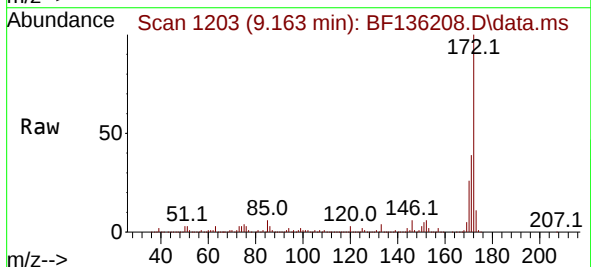
Tgt Ion:172 Resp: 1983338

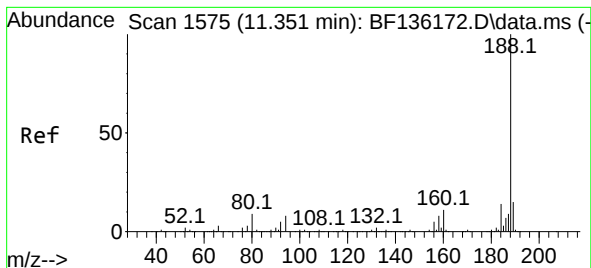
Ion Ratio Lower Upper

172 100

171 39.2 28.9 43.3

170 26.0 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: BF136208.D

Acq: 25 Nov 2023 07:11

Instrument :

BNA_F

ClientSampleId :

RB21144

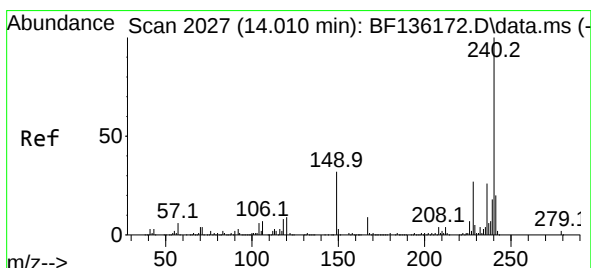
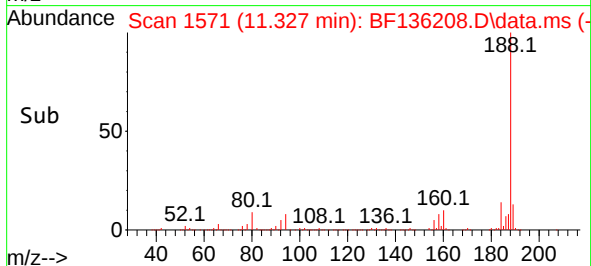
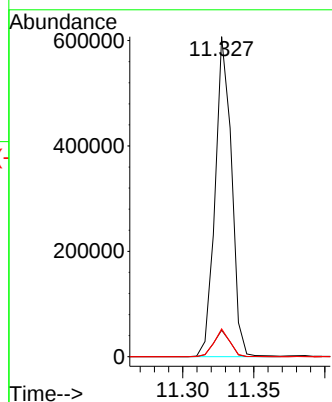
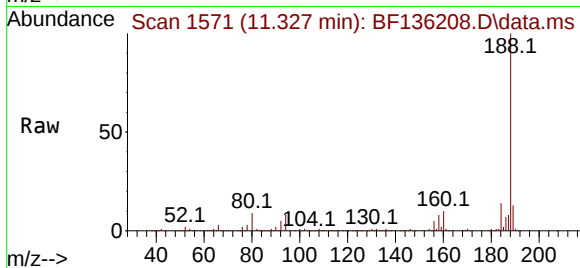
Tgt Ion:188 Resp: 486691

Ion Ratio Lower Upper

188 100

94 8.3 6.6 9.8

80 8.7 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: BF136208.D

Acq: 25 Nov 2023 07:11

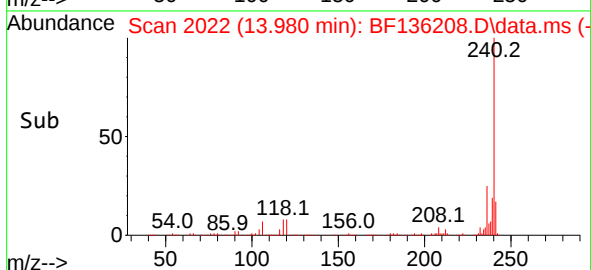
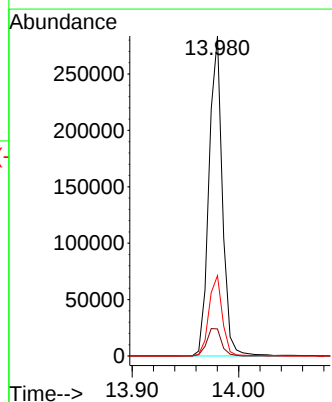
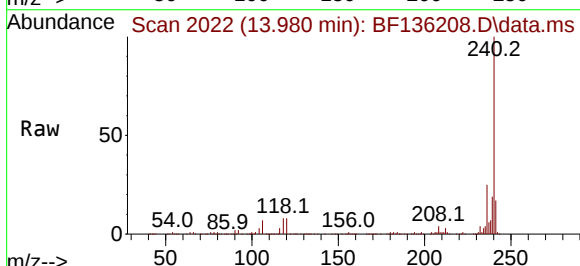
Tgt Ion:240 Resp: 247811

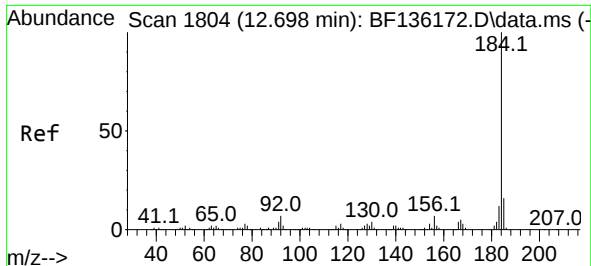
Ion Ratio Lower Upper

240 100

120 8.5 7.1 10.7

236 25.1 20.9 31.3

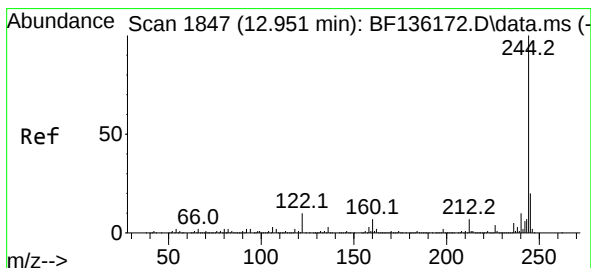
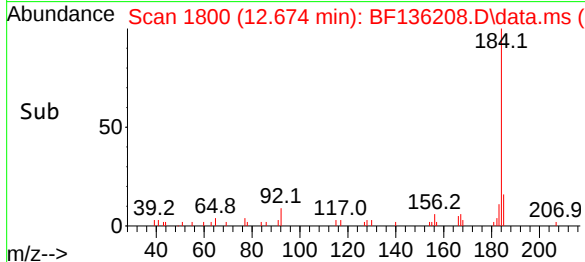
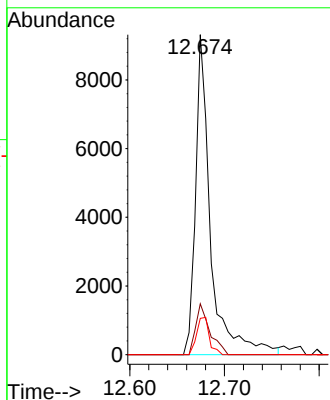
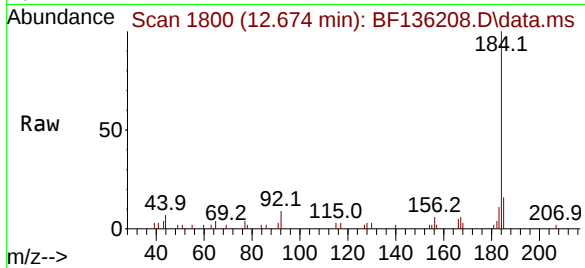




#77
Benzidine
Concen: 2.398 ng
RT: 12.674 min Scan# 1800
Delta R.T. -0.006 min
Lab File: BF136208.D
Acq: 25 Nov 2023 07:11

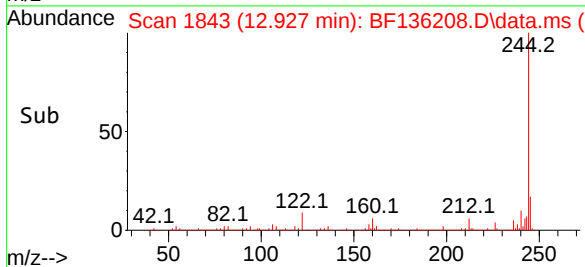
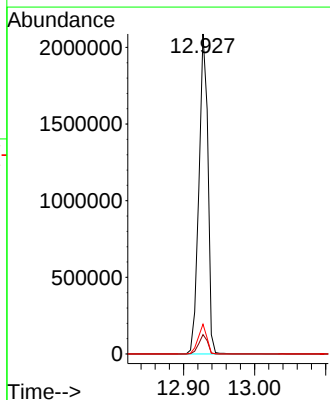
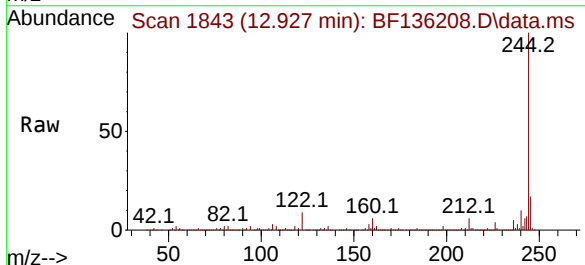
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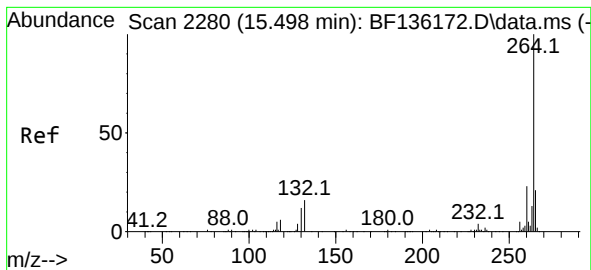
Tgt Ion:184 Resp: 10289
Ion Ratio Lower Upper
184 100
185 15.9 12.6 18.8
183 11.3 9.2 13.8



#79
Terphenyl-d14
Concen: 105.457 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF136208.D
Acq: 25 Nov 2023 07:11

Tgt Ion:244 Resp: 1841066
Ion Ratio Lower Upper
244 100
212 6.1 5.4 8.0
122 9.3 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: BF136208.D
Acq: 25 Nov 2023 07:11

Instrument :
BNA_F
ClientSampleId :
RB21144

Tgt Ion:264 Resp: 245360

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.5	27.7
265	20.4	16.9	25.3

