

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120123\
 Data File : BF136355.D
 Acq On : 02 Dec 2023 01:45
 Operator : CG\JU
 Sample : 05489-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRACKS-SP-1

Quant Time: Dec 02 03:30:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 03:04:20 2023
 Response via : Initial Calibration

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

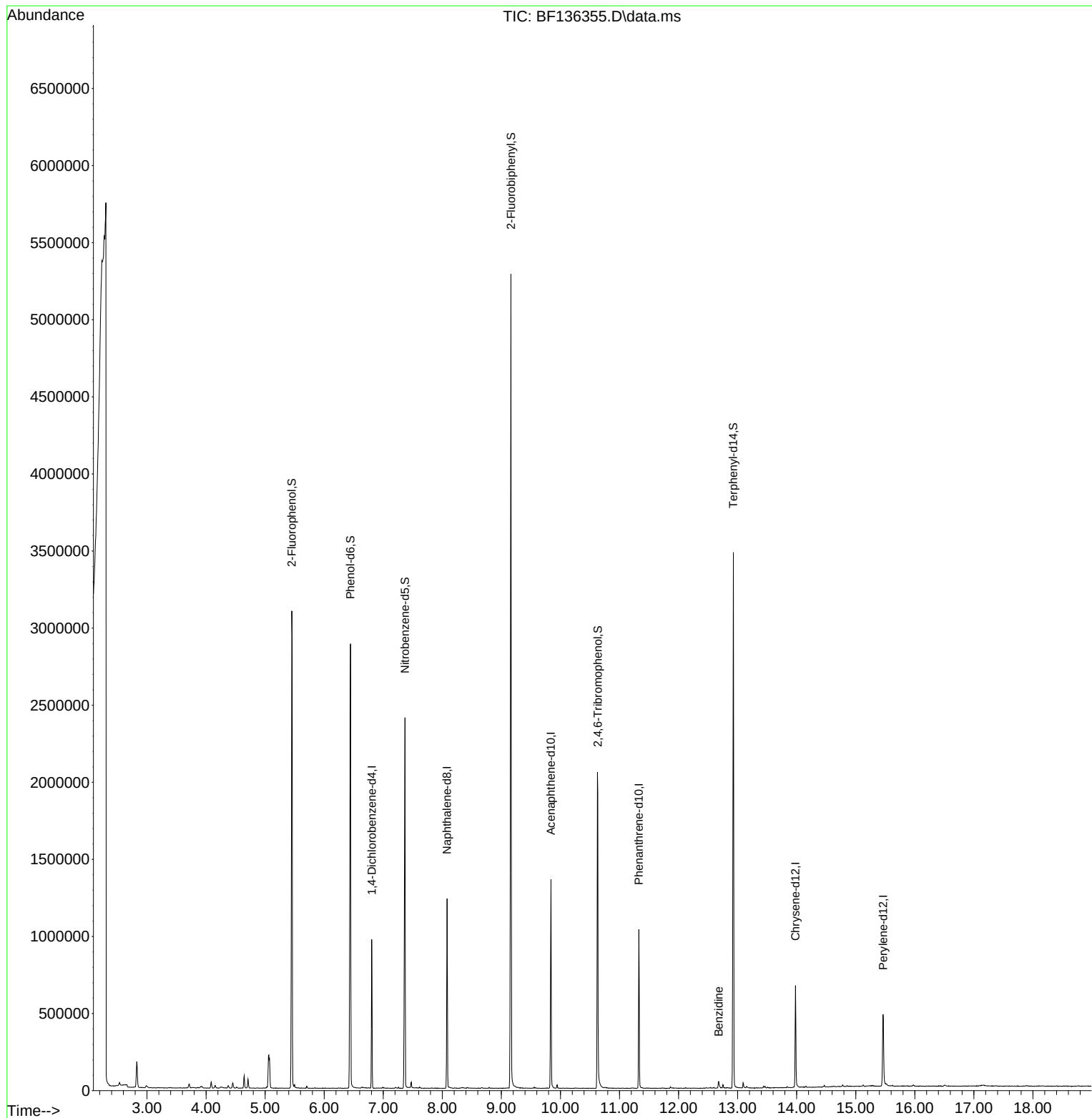
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	130803	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	537982	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	256145	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	364847	20.000	ng	0.00
76) Chrysene-d12	13.980	240	227520	20.000	ng	-0.01
86) Perylene-d12	15.463	264	252261	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	966018	102.792	ng	0.01
7) Phenol-d6	6.445	99	1098618	93.494	ng	0.00
23) Nitrobenzene-d5	7.369	82	794597	78.049	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	294652	94.090	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1602111	79.892	ng	0.00
79) Terphenyl-d14	12.927	244	1222512	61.979	ng	0.00
Target Compounds						
77) Benzidine	12.680	184	28283	7.562	ng	Qvalue 94

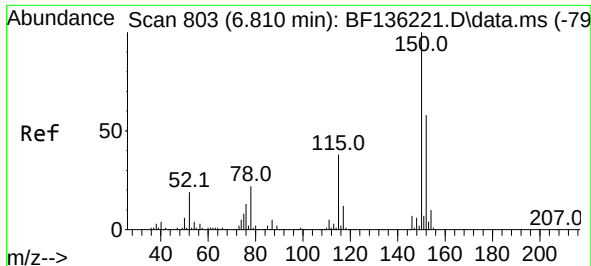
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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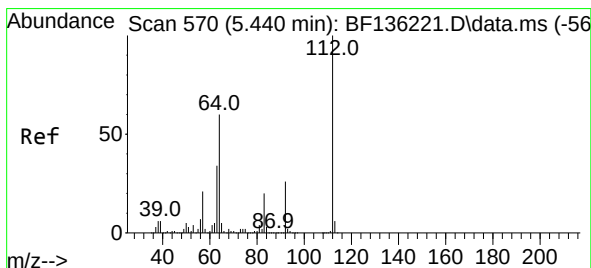
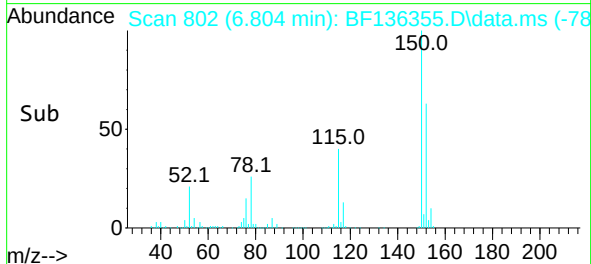
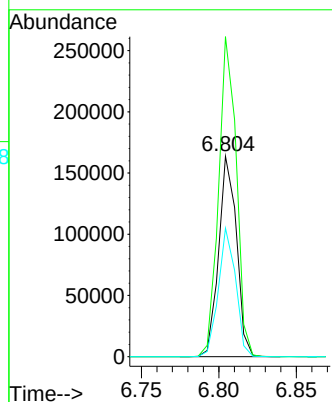
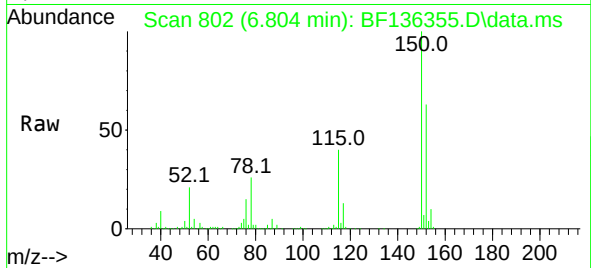




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF136355.D
Acq: 02 Dec 2023 01:45

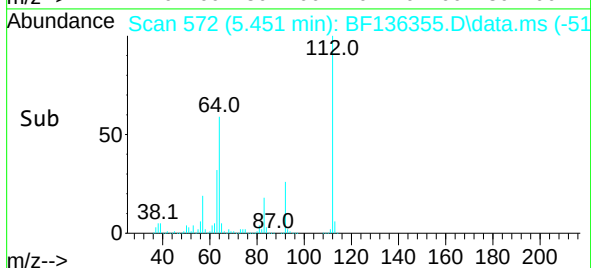
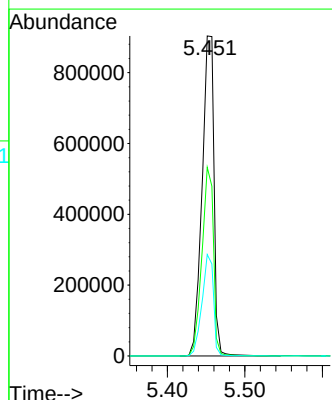
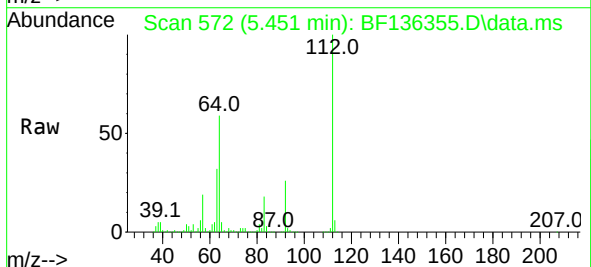
Instrument :
BNA_F
ClientSampleId :
TRACKS-SP-1

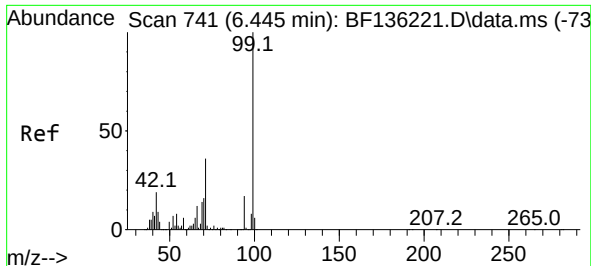
Tgt Ion:152 Resp: 130803
Ion Ratio Lower Upper
152 100
150 159.7 137.8 206.8
115 64.1 52.7 79.1



#5
2-Fluorophenol
Concen: 102.792 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.012 min
Lab File: BF136355.D
Acq: 02 Dec 2023 01:45

Tgt Ion:112 Resp: 966018
Ion Ratio Lower Upper
112 100
64 59.0 48.2 72.4
63 31.7 27.0 40.6

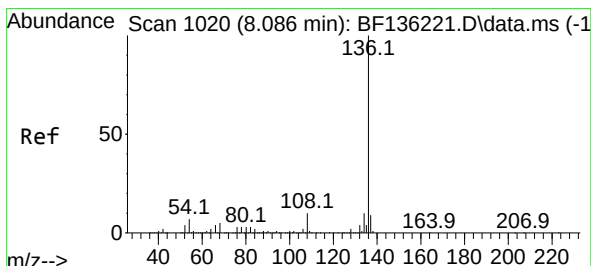
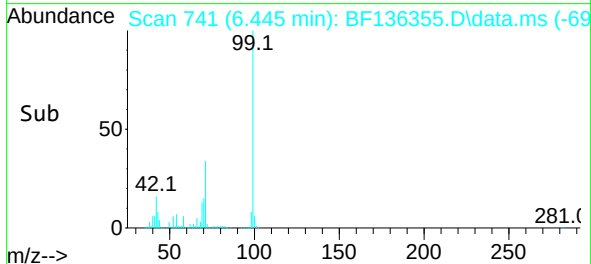
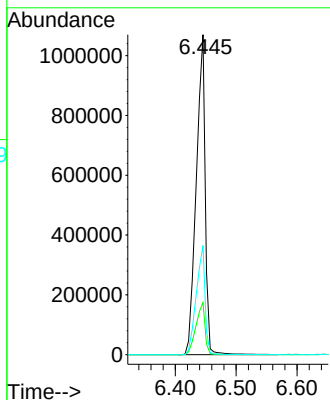
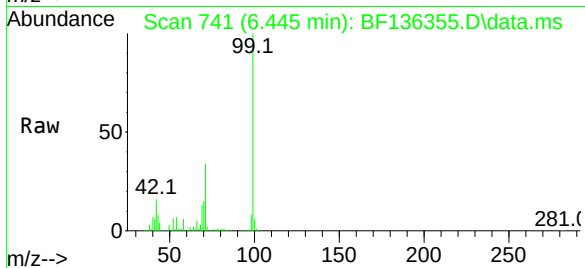




#7
Phenol-d6
Concen: 93.494 ng
RT: 6.445 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF136355.D
Acq: 02 Dec 2023 01:45

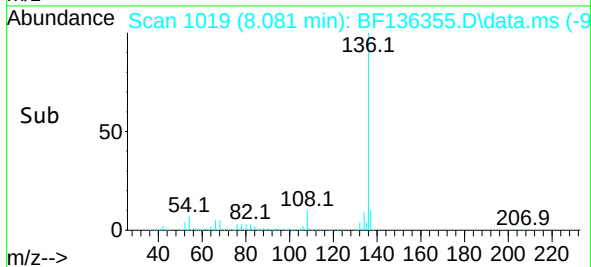
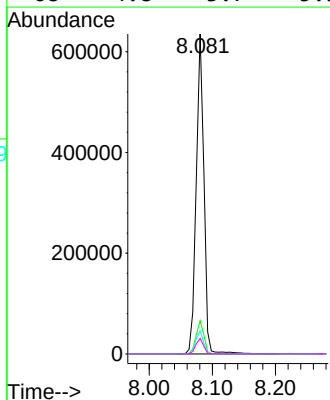
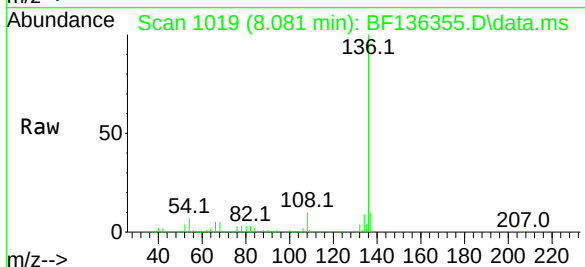
Instrument :
BNA_F
ClientSampleId :
TRACKS-SP-1

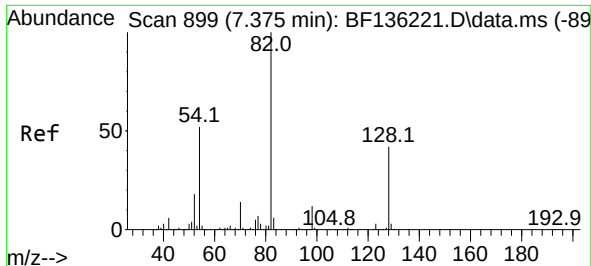
Tgt Ion: 99 Resp: 1098618
Ion Ratio Lower Upper
99 100
42 16.3 15.0 22.6
71 34.1 28.9 43.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136355.D
Acq: 02 Dec 2023 01:45

Tgt Ion: 136 Resp: 537982
Ion Ratio Lower Upper
136 100
137 10.4 7.4 11.2
54 7.3 5.5 8.3
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 78.049 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF136355.D

Acq: 02 Dec 2023 01:45

Instrument :

BNA_F

ClientSampleId :

TRACKS-SP-1

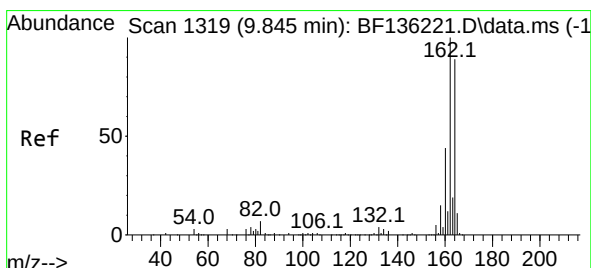
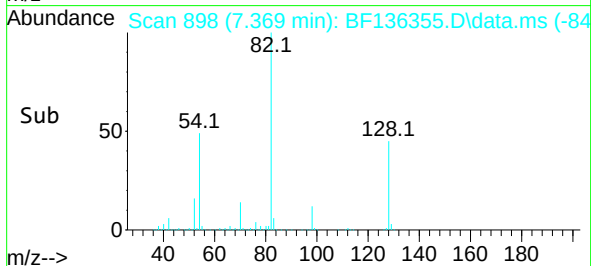
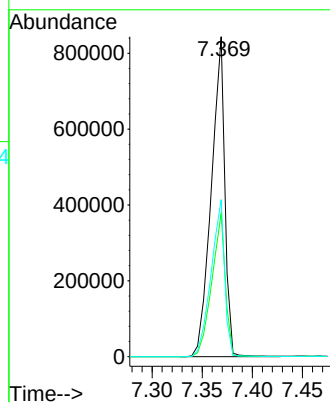
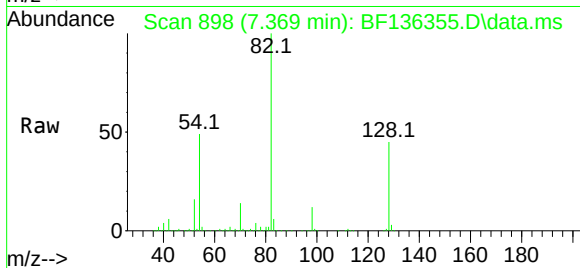
Tgt Ion: 82 Resp: 794597

Ion Ratio Lower Upper

82 100

128 44.8 33.4 50.2

54 49.1 41.7 62.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1318

Delta R.T. -0.006 min

Lab File: BF136355.D

Acq: 02 Dec 2023 01:45

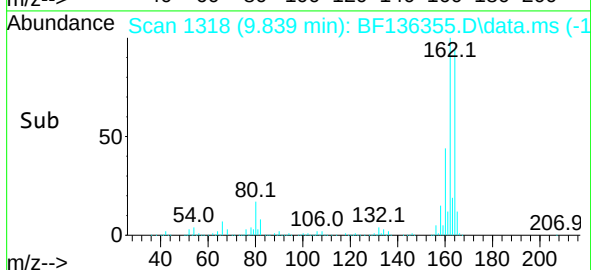
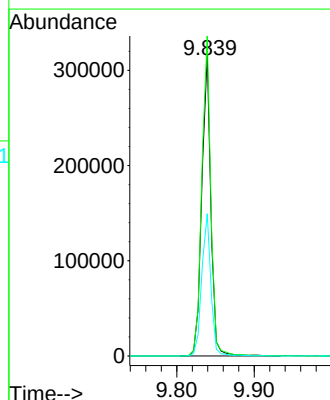
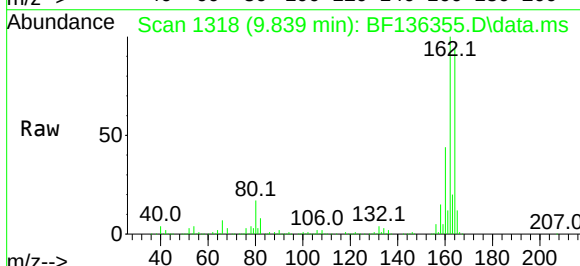
Tgt Ion:164 Resp: 256145

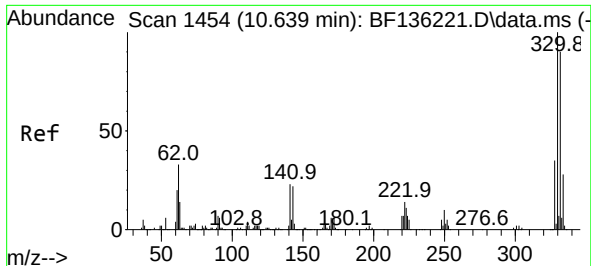
Ion Ratio Lower Upper

164 100

162 106.5 89.5 134.3

160 47.3 39.6 59.4





#42

2,4,6-Tribromophenol

Concen: 94.090 ng

RT: 10.633 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF136355.D

Acq: 02 Dec 2023 01:45

Instrument :

BNA_F

ClientSampleId :

TRACKS-SP-1

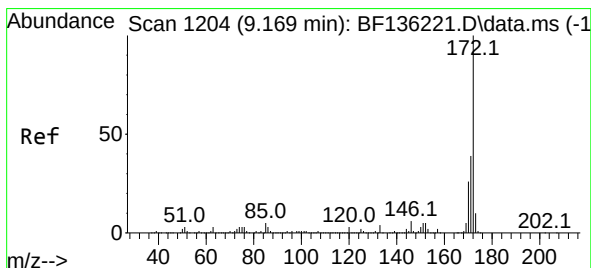
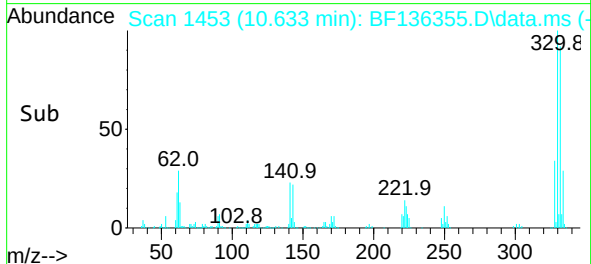
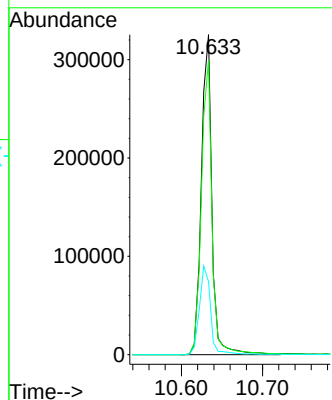
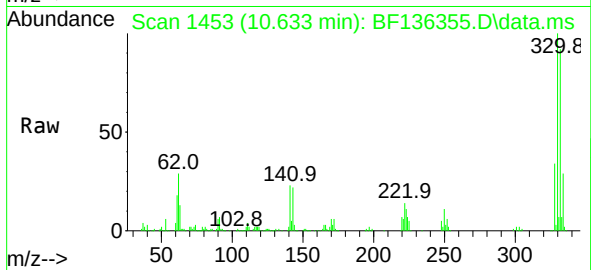
Tgt Ion:330 Resp: 294652

Ion Ratio Lower Upper

330 100

332 93.8 73.0 109.6

141 29.7 24.2 36.2



#45

2-Fluorobiphenyl

Concen: 79.892 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF136355.D

Acq: 02 Dec 2023 01:45

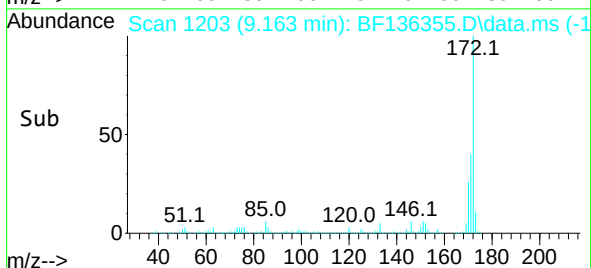
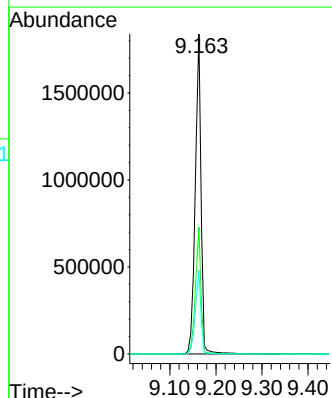
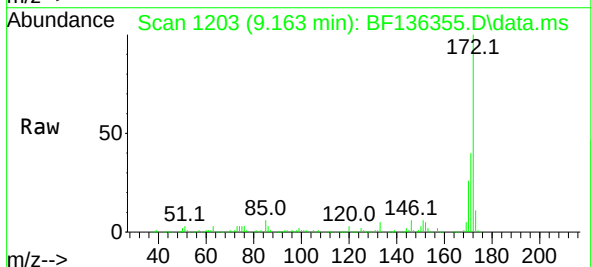
Tgt Ion:172 Resp: 1602111

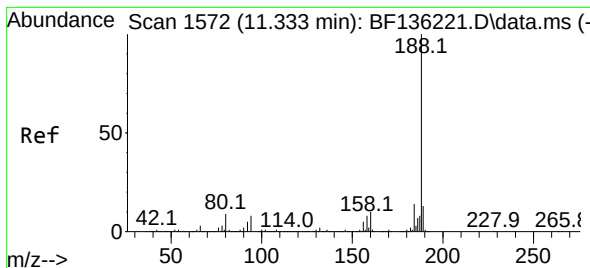
Ion Ratio Lower Upper

172 100

171 39.6 31.5 47.3

170 26.2 20.8 31.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136355.D

Acq: 02 Dec 2023 01:45

Instrument :

BNA_F

ClientSampleId :

TRACKS-SP-1

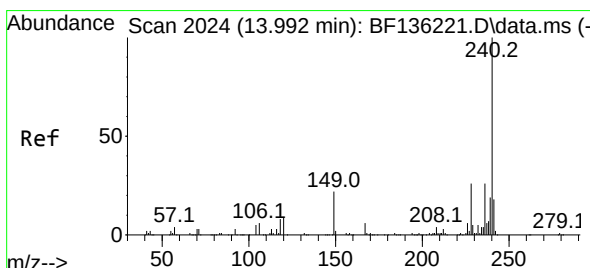
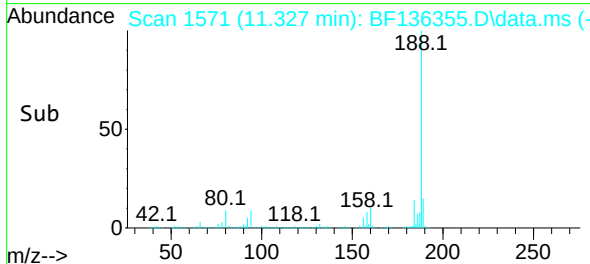
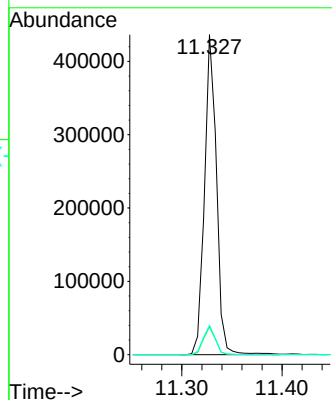
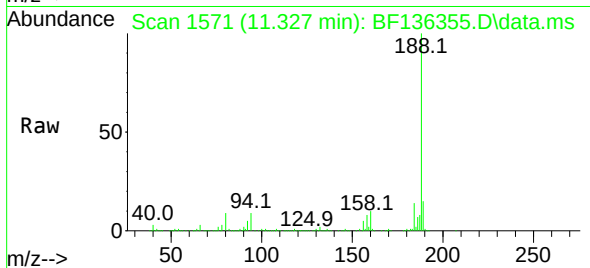
Tgt Ion:188 Resp: 364847

Ion Ratio Lower Upper

188 100

94 8.7 6.7 10.1

80 9.2 7.2 10.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF136355.D

Acq: 02 Dec 2023 01:45

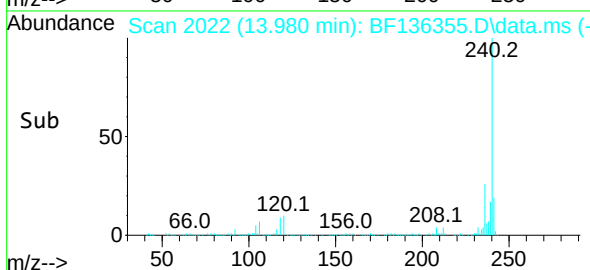
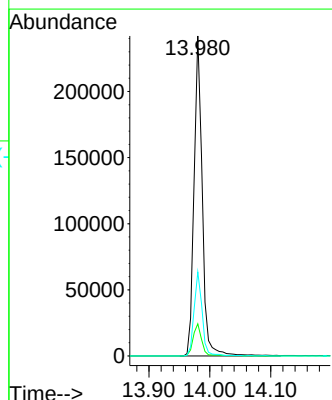
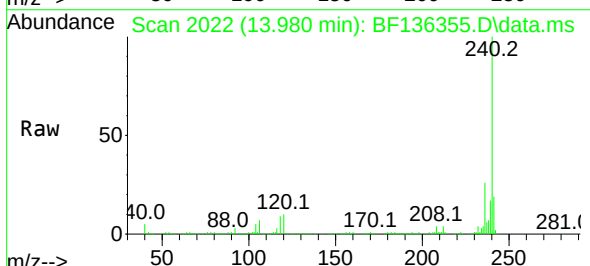
Tgt Ion:240 Resp: 227520

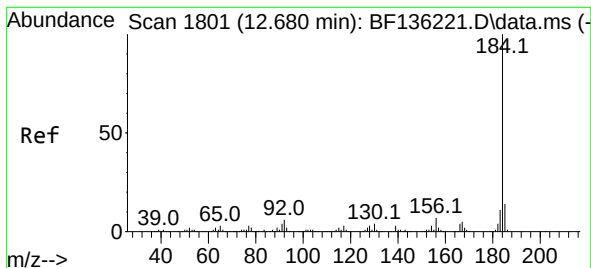
Ion Ratio Lower Upper

240 100

120 10.1 7.4 11.2

236 26.2 21.1 31.7





#77

Benzidine

Concen: 7.562 ng

RT: 12.680 min Scan# 1801

Delta R.T. 0.000 min

Lab File: BF136355.D

Acq: 02 Dec 2023 01:45

Instrument :

BNA_F

ClientSampleId :

TRACKS-SP-1

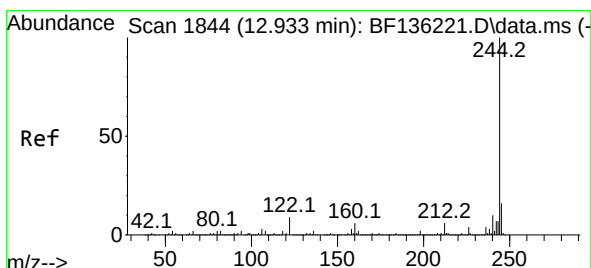
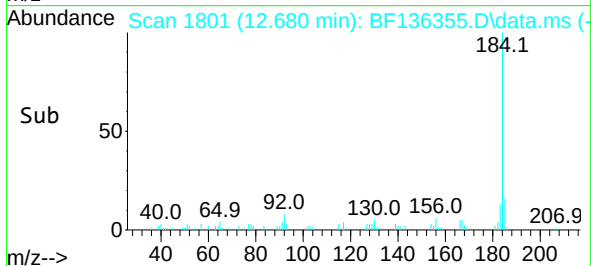
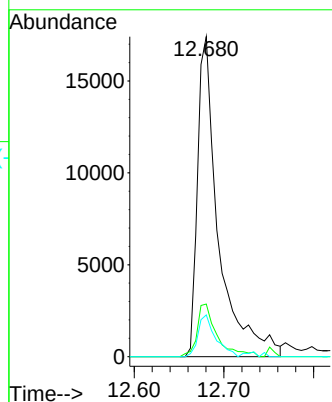
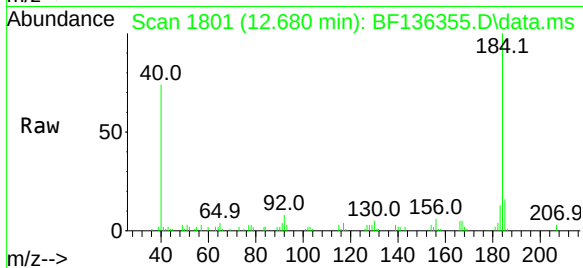
Tgt Ion:184 Resp: 28283

Ion Ratio Lower Upper

184 100

185 16.5 11.0 16.6

183 13.1 9.0 13.4



#79

Terphenyl-d14

Concen: 61.979 ng

RT: 12.927 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF136355.D

Acq: 02 Dec 2023 01:45

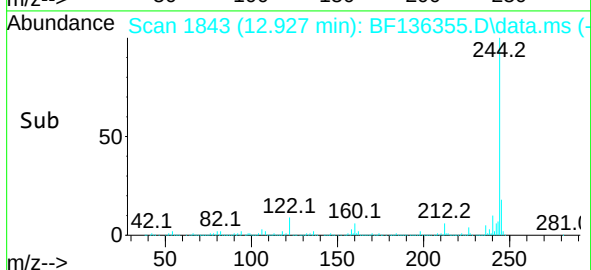
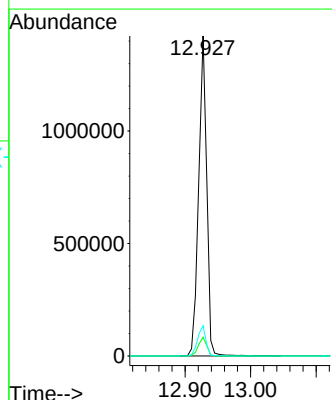
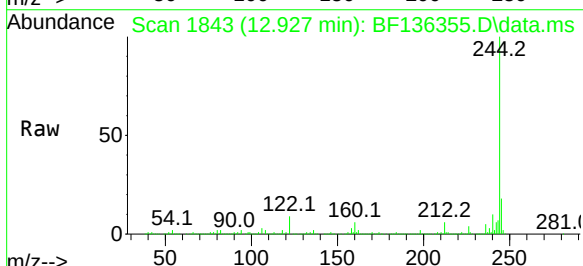
Tgt Ion:244 Resp: 1222512

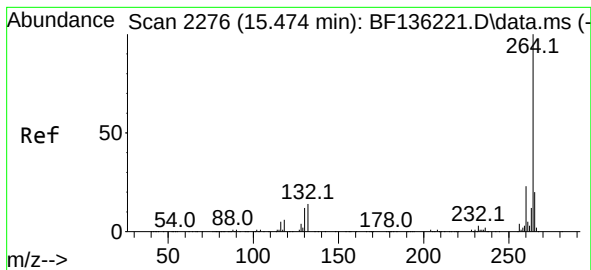
Ion Ratio Lower Upper

244 100

212 5.9 4.6 7.0

122 9.5 7.3 10.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.463 min Scan# 21
 Delta R.T. -0.011 min
 Lab File: BF136355.D
 Acq: 02 Dec 2023 01:45

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:264 Resp: 252261
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.6 27.8
 265 20.6 15.7 23.5

