

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072324\
 Data File : BF138618.D
 Acq On : 23 Jul 2024 15:00
 Operator : RC/JU
 Sample : P3302-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 285-290

Quant Time: Jul 23 15:46:25 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

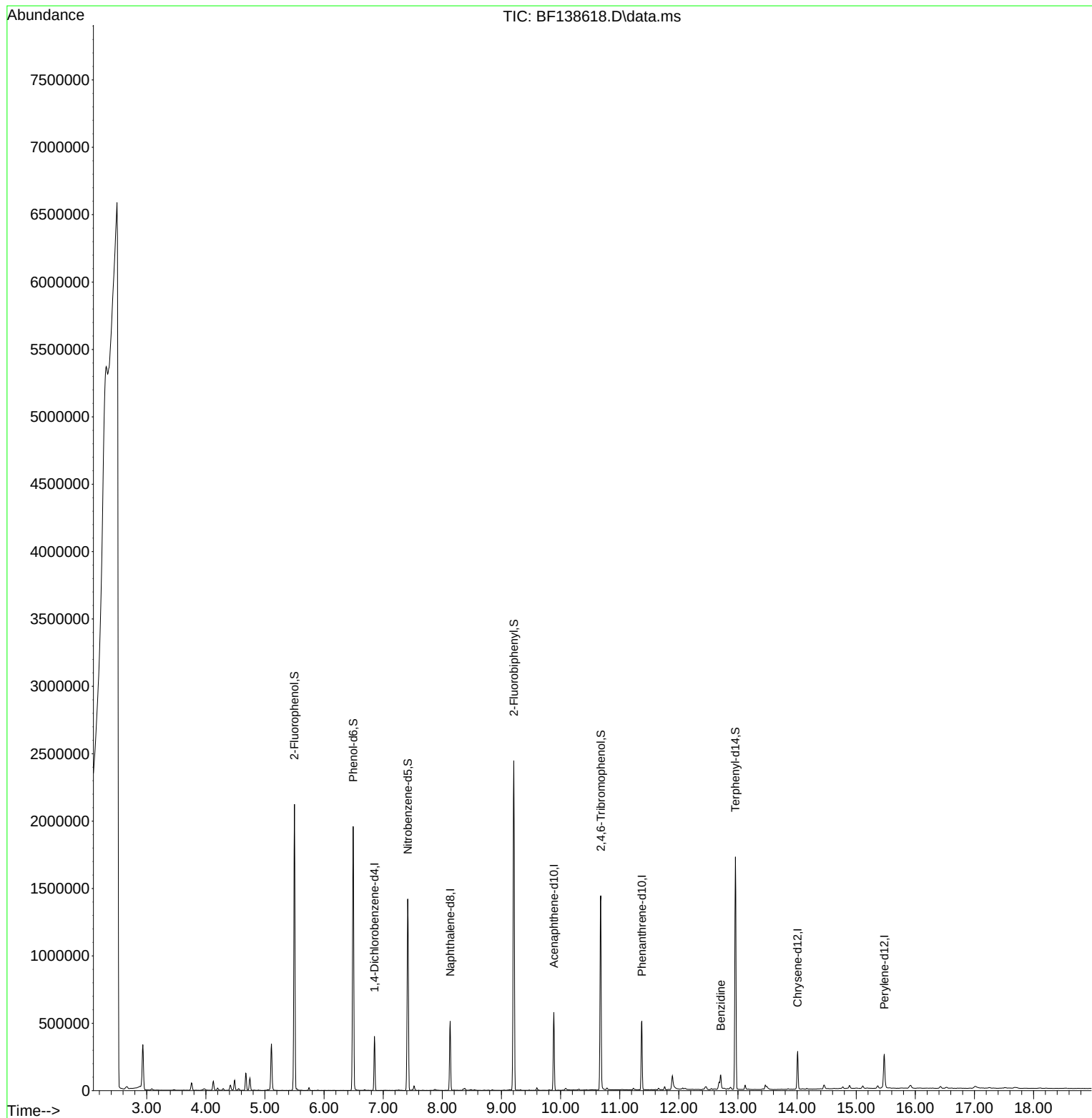
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	74870	20.000	ng	-0.02
21) Naphthalene-d8	8.134	136	304000	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	166656	20.000	ng	-0.02
64) Phenanthrene-d10	11.375	188	262396	20.000	ng	-0.01
76) Chrysene-d12	14.010	240	118795	20.000	ng	-0.02
86) Perylene-d12	15.474	264	137361	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	724351	153.225	ng	0.00
7) Phenol-d6	6.492	99	912639	145.121	ng	-0.01
23) Nitrobenzene-d5	7.416	82	658821	106.403	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	239237	153.597	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	1093252	102.526	ng	-0.02
79) Terphenyl-d14	12.957	244	814373	111.681	ng	-0.02
Target Compounds						
77) Benzidine	12.710	184	51350	17.133	ng	Qvalue 99

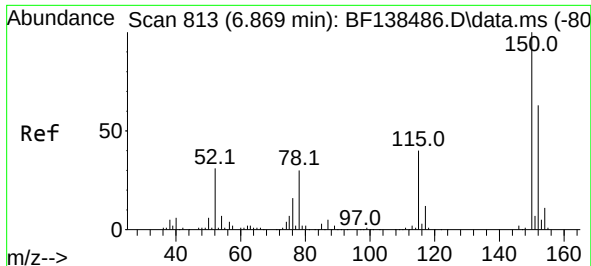
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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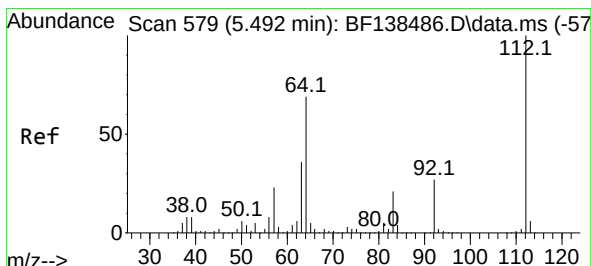
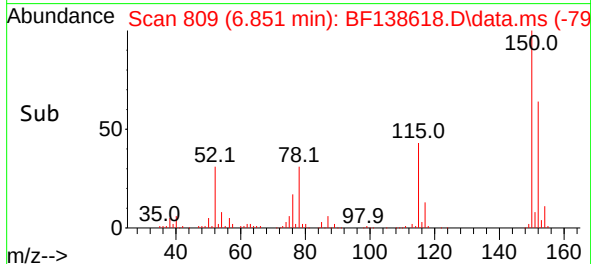
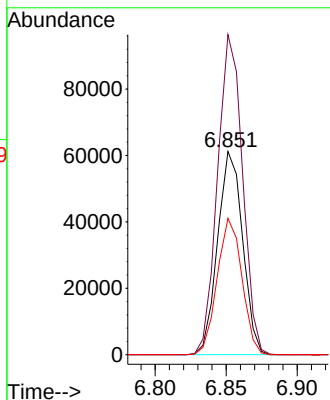
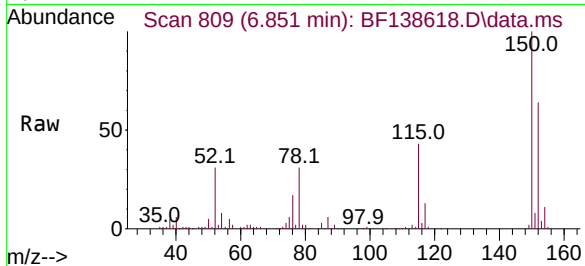




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.018 min
Lab File: BF138618.D
Acq: 23 Jul 2024 15:00

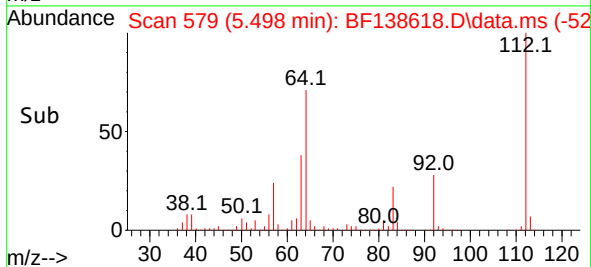
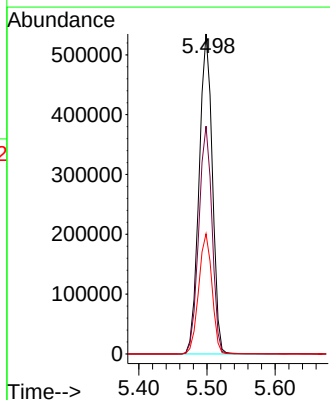
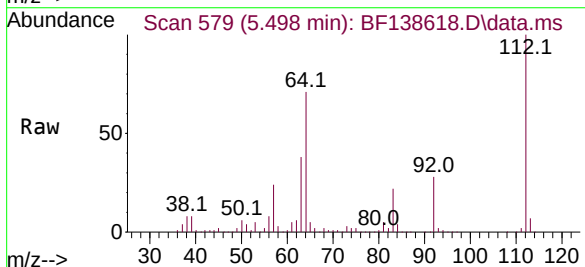
Instrument :
BNA_F
ClientSampleId :
285-290

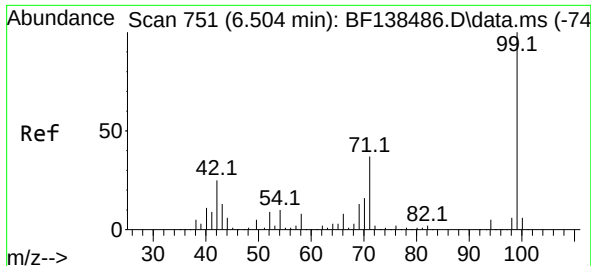
Tgt Ion:152 Resp: 74870
Ion Ratio Lower Upper
152 100
150 157.4 126.2 189.4
115 67.1 50.3 75.5



#5
2-Fluorophenol
Concen: 153.225 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF138618.D
Acq: 23 Jul 2024 15:00

Tgt Ion:112 Resp: 724351
Ion Ratio Lower Upper
112 100
64 71.2 55.1 82.7
63 37.5 29.0 43.6

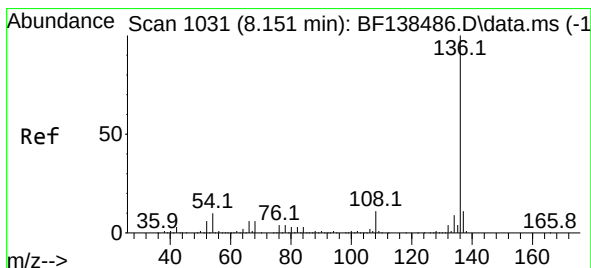
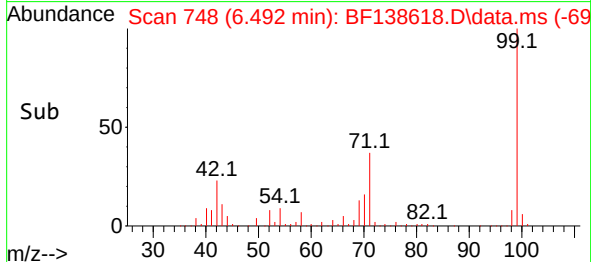
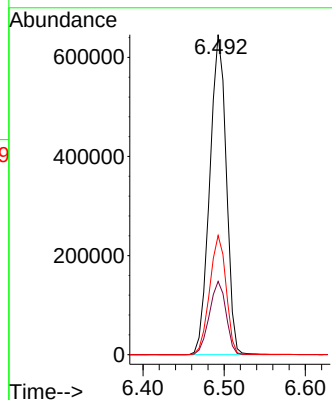
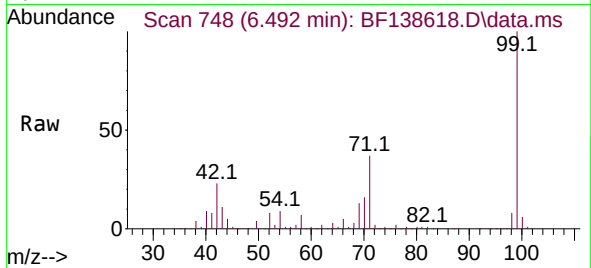




#7
Phenol-d6
Concen: 145.121 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF138618.D
Acq: 23 Jul 2024 15:00

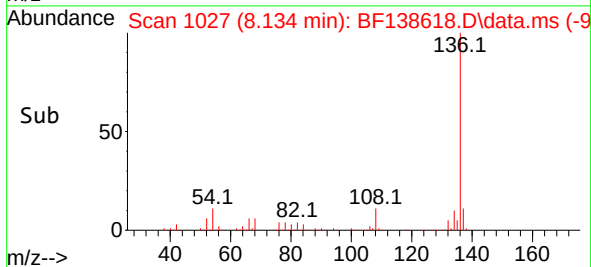
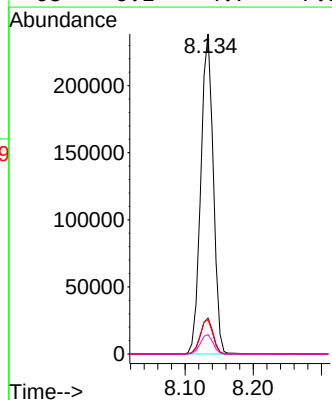
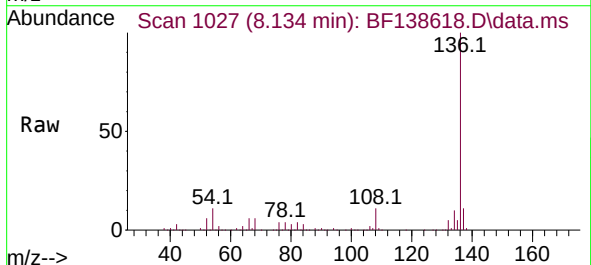
Instrument :
BNA_F
ClientSampleId :
285-290

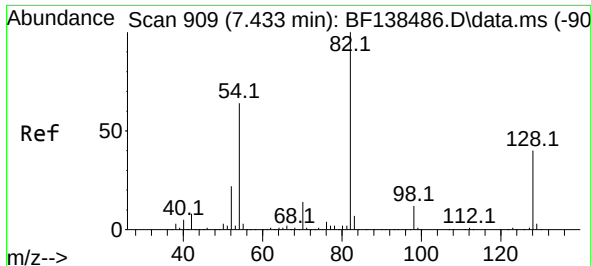
Tgt Ion: 99 Resp: 912639
Ion Ratio Lower Upper
99 100
42 22.9 19.7 29.5
71 37.3 29.9 44.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. -0.018 min
Lab File: BF138618.D
Acq: 23 Jul 2024 15:00

Tgt Ion:136 Resp: 304000
Ion Ratio Lower Upper
136 100
137 11.3 8.5 12.7
54 10.7 8.1 12.1
68 6.1 4.7 7.1

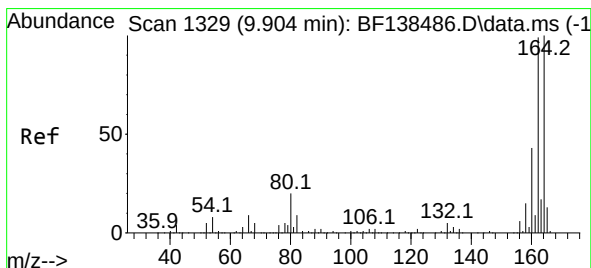
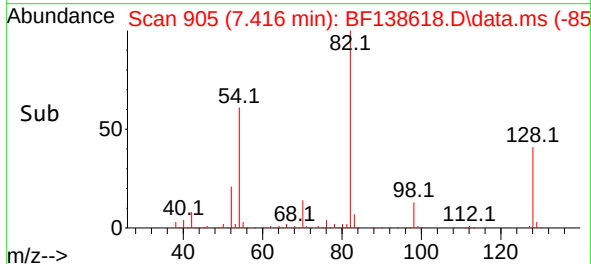
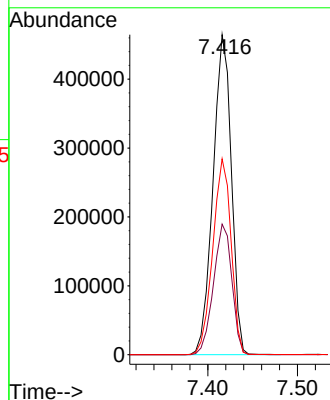
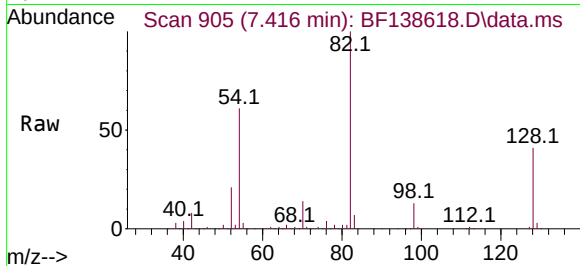




#23
 Nitrobenzene-d5
 Concen: 106.403 ng
 RT: 7.416 min Scan# 909
 Delta R.T. -0.018 min
 Lab File: BF138618.D
 Acq: 23 Jul 2024 15:00

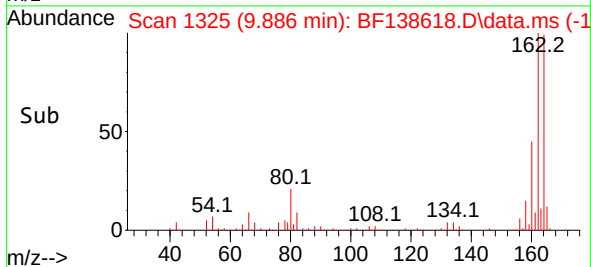
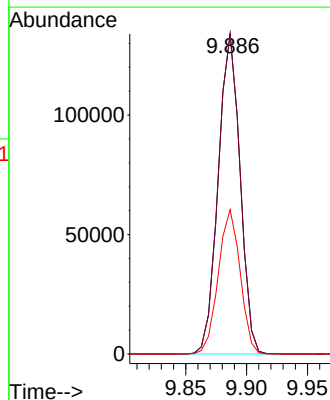
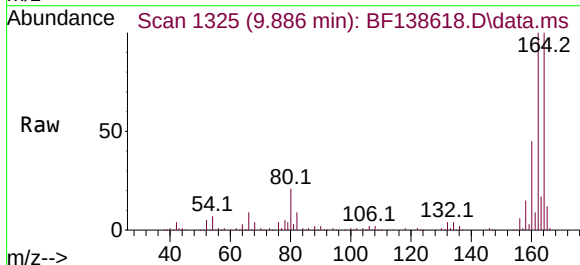
Instrument :
 BNA_F
 ClientSampleId :
 285-290

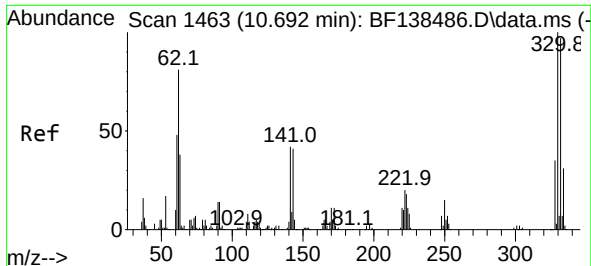
Tgt Ion: 82 Resp: 658821
 Ion Ratio Lower Upper
 82 100
 128 40.8 32.3 48.5
 54 61.2 51.4 77.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.886 min Scan# 1325
 Delta R.T. -0.018 min
 Lab File: BF138618.D
 Acq: 23 Jul 2024 15:00

Tgt Ion:164 Resp: 166656
 Ion Ratio Lower Upper
 164 100
 162 100.0 79.0 118.6
 160 45.1 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 153.597 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.012 min

Lab File: BF138618.D

Acq: 23 Jul 2024 15:00

Instrument :

BNA_F

ClientSampleId :

285-290

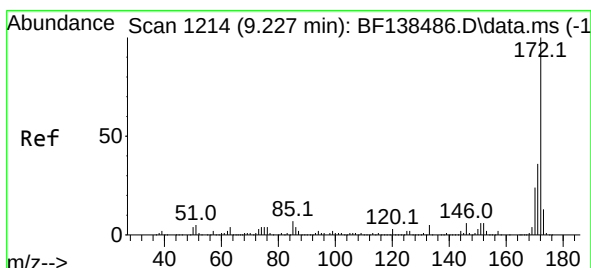
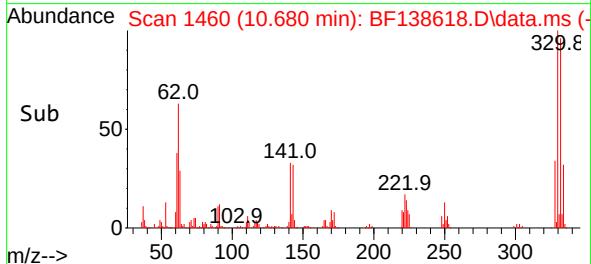
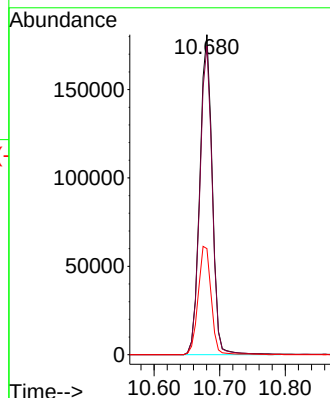
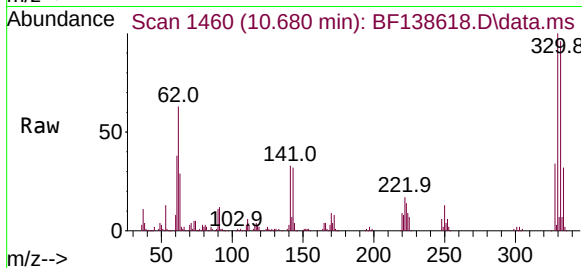
Tgt Ion:330 Resp: 239237

Ion Ratio Lower Upper

330 100

332 96.5 76.8 115.2

141 35.4 29.4 44.2



#45

2-Fluorobiphenyl

Concen: 102.526 ng

RT: 9.210 min Scan# 1210

Delta R.T. -0.018 min

Lab File: BF138618.D

Acq: 23 Jul 2024 15:00

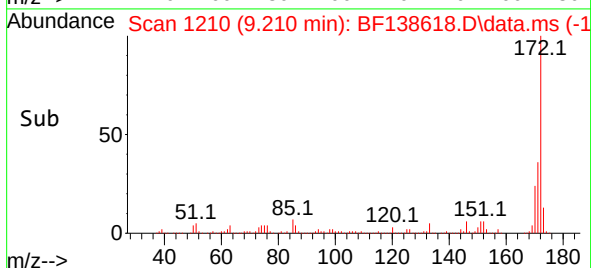
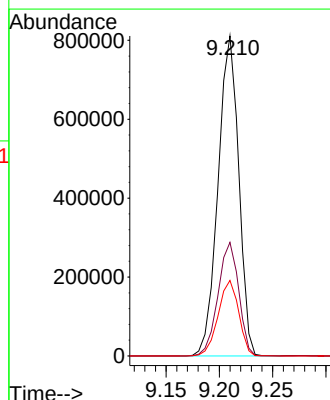
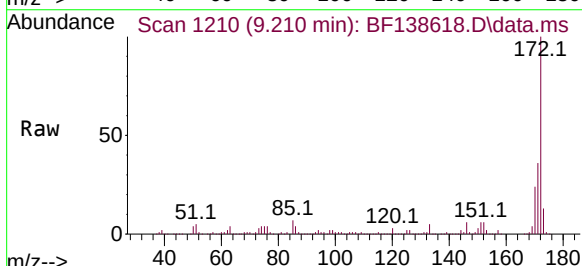
Tgt Ion:172 Resp: 1093252

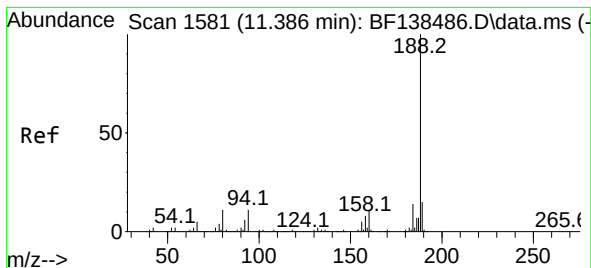
Ion Ratio Lower Upper

172 100

171 35.5 28.9 43.3

170 23.6 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF138618.D

Acq: 23 Jul 2024 15:00

Instrument :

BNA_F

ClientSampleId :

285-290

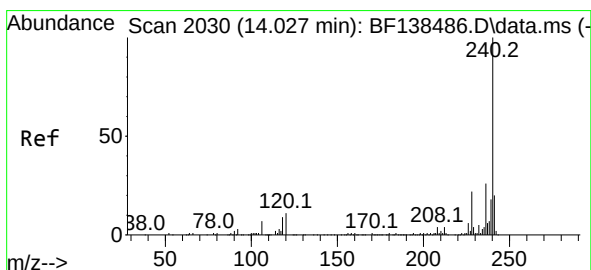
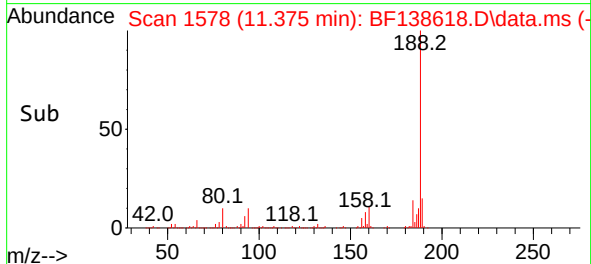
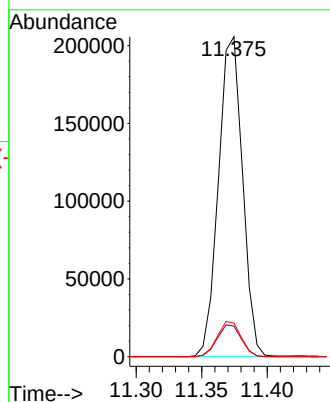
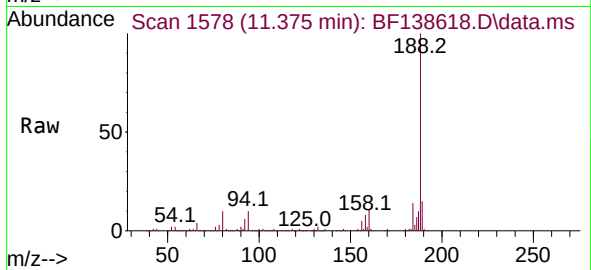
Tgt Ion:188 Resp: 262396

Ion Ratio Lower Upper

188 100

94 9.6 8.7 13.1

80 10.5 9.0 13.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.018 min

Lab File: BF138618.D

Acq: 23 Jul 2024 15:00

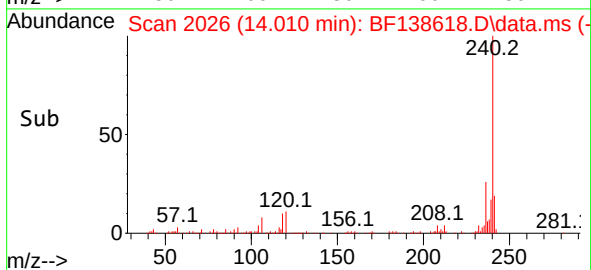
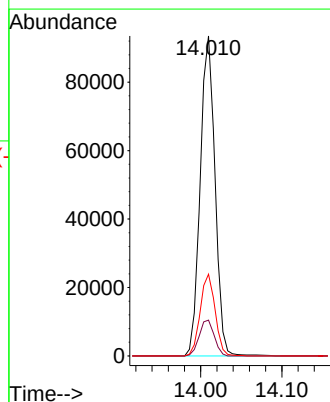
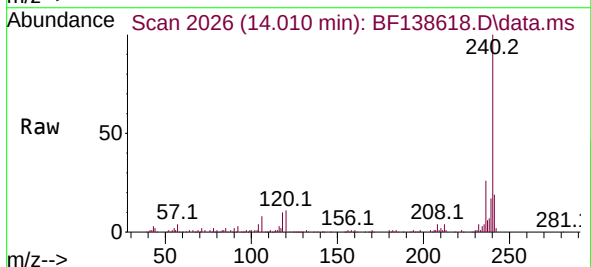
Tgt Ion:240 Resp: 118795

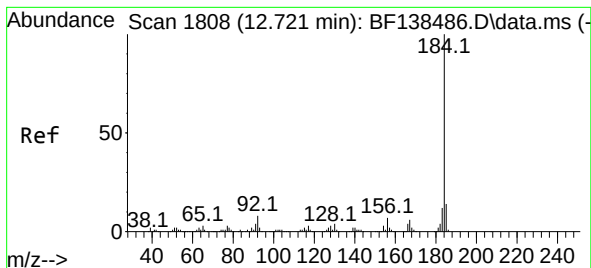
Ion Ratio Lower Upper

240 100

120 11.2 8.6 12.8

236 25.6 21.0 31.6





#77

Benzidine

Concen: 17.133 ng

RT: 12.710 min Scan# 1805

Delta R.T. -0.011 min

Lab File: BF138618.D

Acq: 23 Jul 2024 15:00

Instrument :

BNA_F

ClientSampleId :

285-290

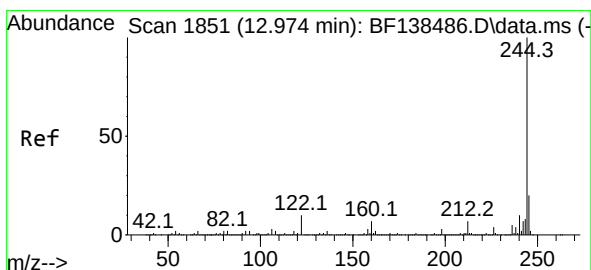
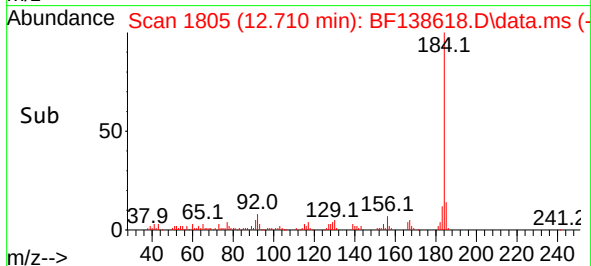
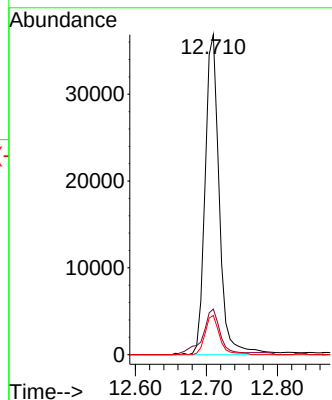
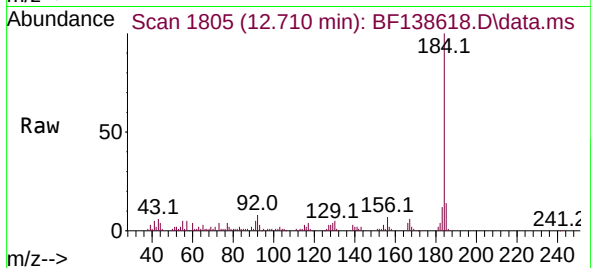
Tgt Ion:184 Resp: 51350

Ion Ratio Lower Upper

184 100

185 14.3 11.3 16.9

183 12.3 9.5 14.3



#79

Terphenyl-d14

Concen: 111.681 ng

RT: 12.957 min Scan# 1847

Delta R.T. -0.018 min

Lab File: BF138618.D

Acq: 23 Jul 2024 15:00

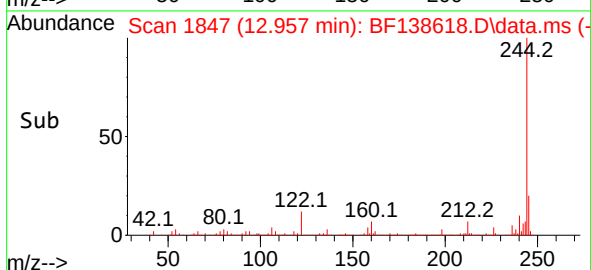
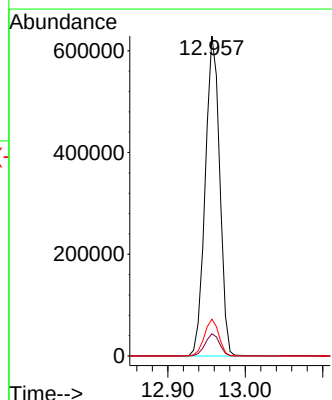
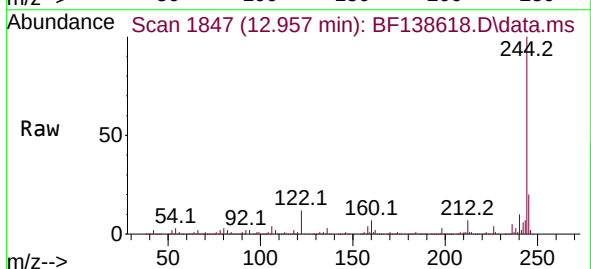
Tgt Ion:244 Resp: 814373

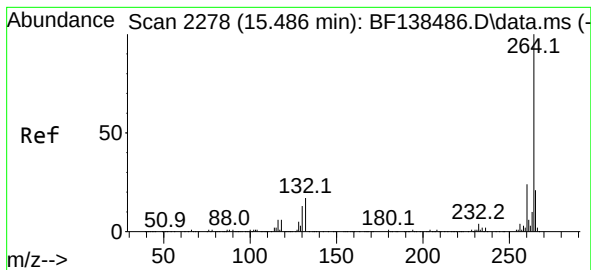
Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

122 11.5 7.8 11.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF138618.D

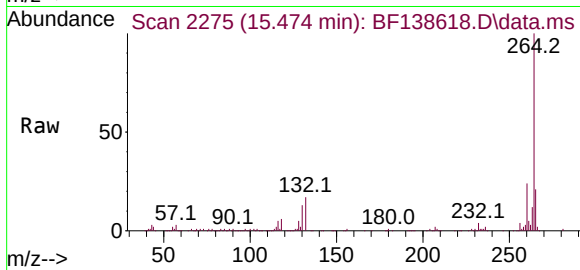
Acq: 23 Jul 2024 15:00

Instrument :

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Tgt Ion:264 Resp: 137361

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 20.9 17.0 25.4

