

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052324\
 Data File : BF138030.D
 Acq On : 23 May 2024 16:30
 Operator : CG\JU
 Sample : P2558-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: May 23 16:51:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

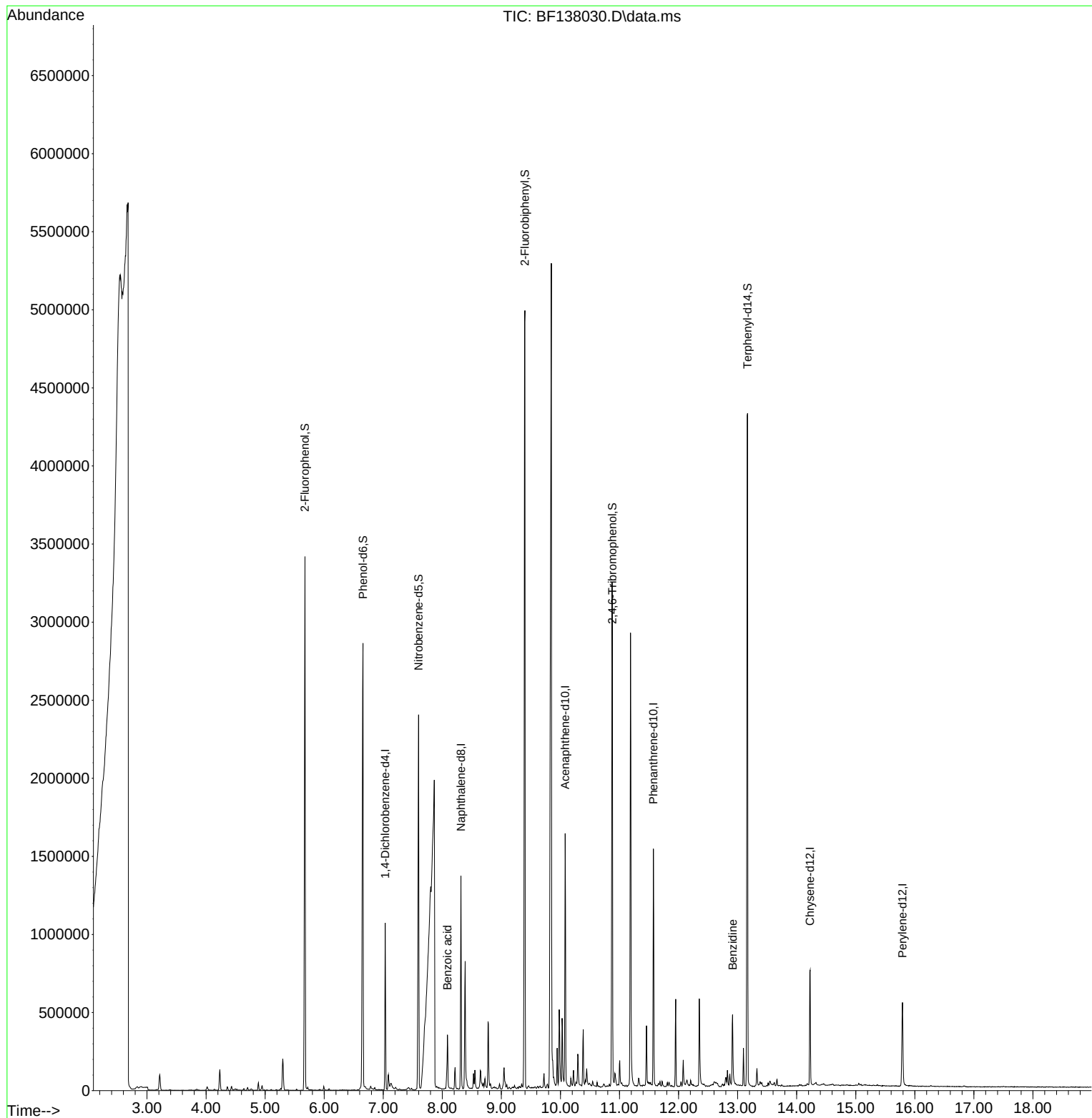
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	144012	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	563443	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	315999	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	529293	20.000	ng	0.00
76) Chrysene-d12	14.227	240	270807	20.000	ng	0.00
86) Perylene-d12	15.792	264	281308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	1020948	120.422	ng	0.01
7) Phenol-d6	6.657	99	1196468	114.565	ng	0.00
23) Nitrobenzene-d5	7.598	82	814313	85.053	ng	-0.01
42) 2,4,6-Tribromophenol	10.880	330	469315	147.296	ng	0.00
45) 2-Fluorobiphenyl	9.398	172	1768733	86.220	ng	0.00
79) Terphenyl-d14	13.168	244	1711385	93.138	ng	0.00
Target Compounds						
32) Benzoic acid	8.086	122	68231	12.846	ng	92
77) Benzidine	12.916	184	206813	58.436	ng	99

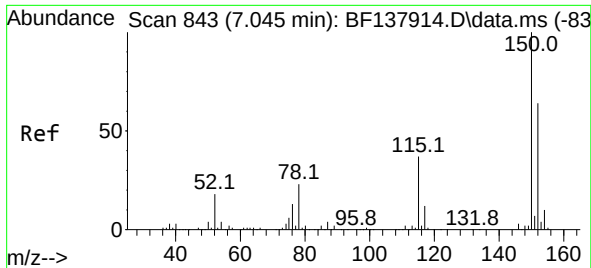
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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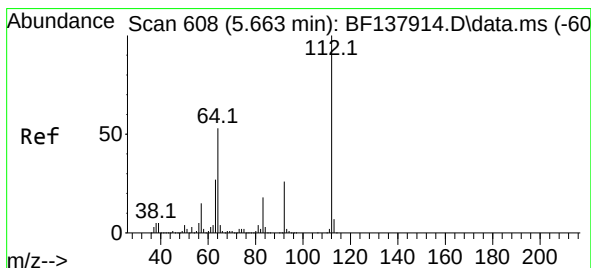
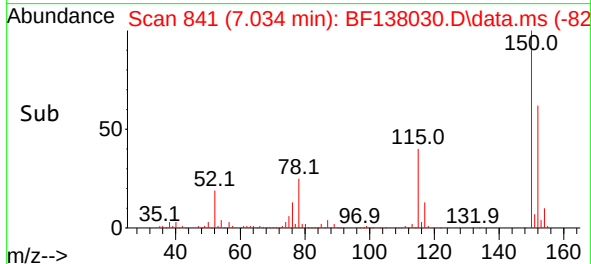
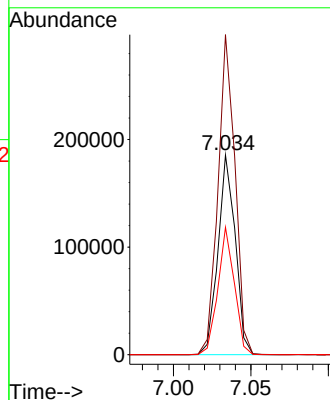
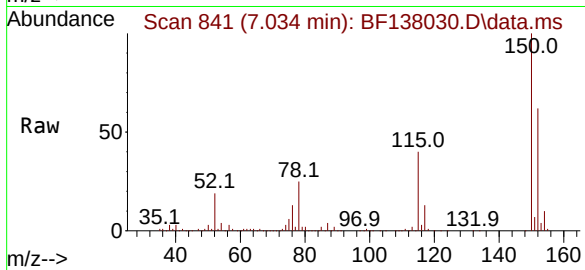




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

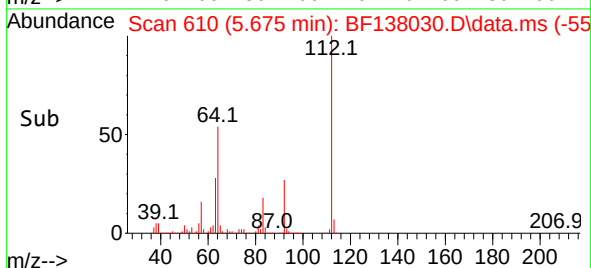
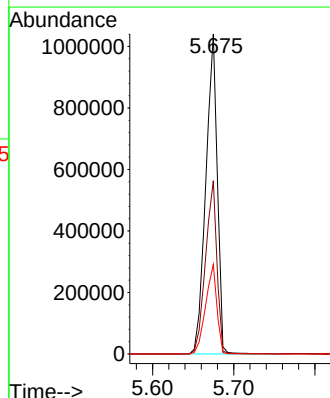
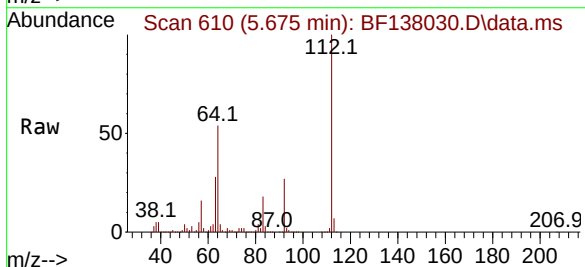
Instrument :
BNA_F
ClientSampleId :
COMP-1

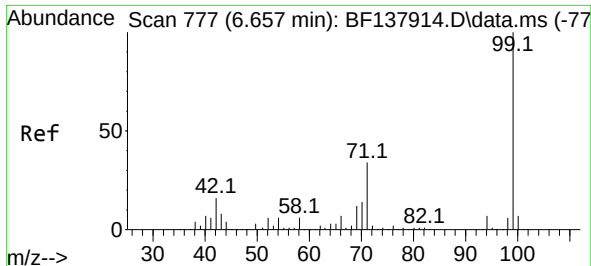
Tgt Ion:152 Resp: 144012
Ion Ratio Lower Upper
152 100
150 160.2 125.7 188.5
115 63.8 47.0 70.6



#5
2-Fluorophenol
Concen: 120.422 ng
RT: 5.675 min Scan# 610
Delta R.T. 0.012 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

Tgt Ion:112 Resp: 1020948
Ion Ratio Lower Upper
112 100
64 54.2 42.4 63.6
63 28.0 21.4 32.2



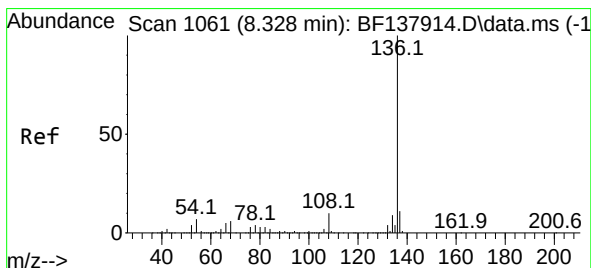
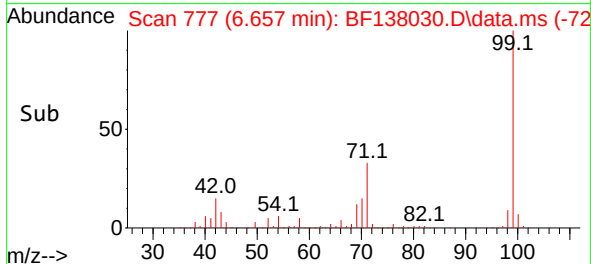
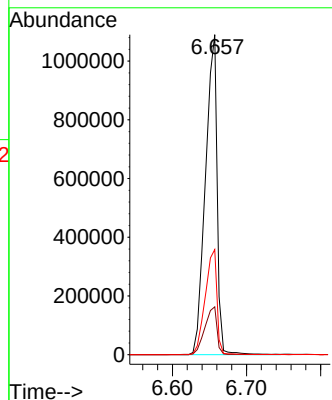
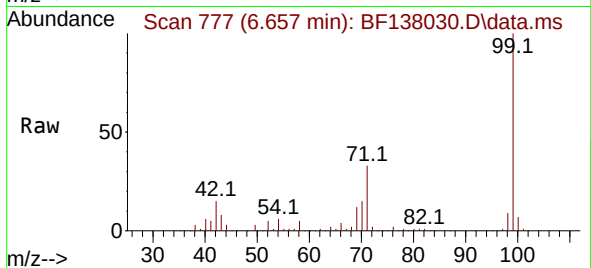


#7
Phenol-d6
Concen: 114.565 ng
RT: 6.657 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion: 99 Resp: 1196468

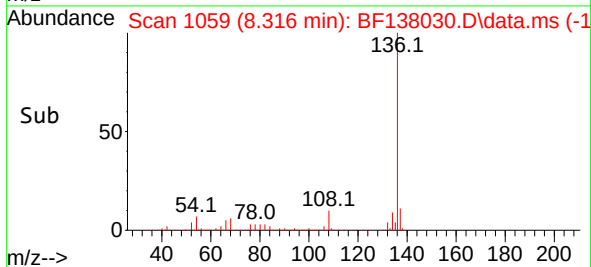
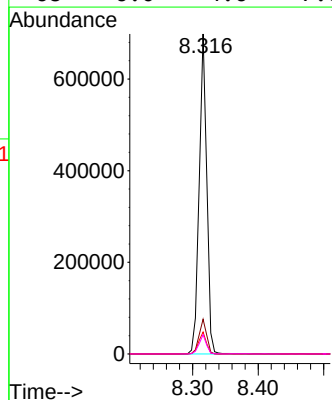
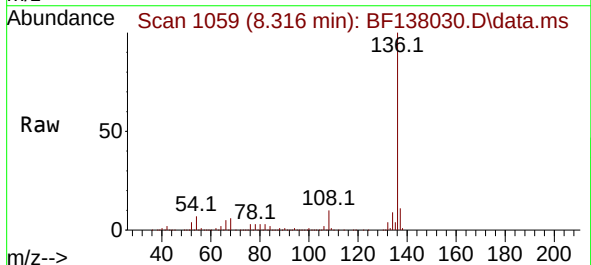
Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.6	18.8
71	32.8	27.1	40.7

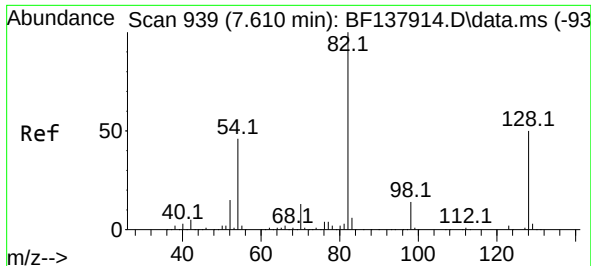


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

Tgt Ion: 136 Resp: 563443

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.9	5.4	8.2
68	6.0	4.6	7.0





#23

Nitrobenzene-d5

Concen: 85.053 ng

RT: 7.598 min Scan# 91

Delta R.T. -0.012 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

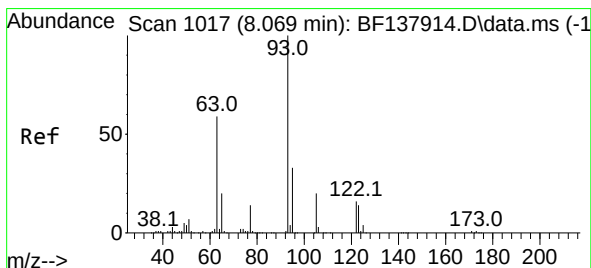
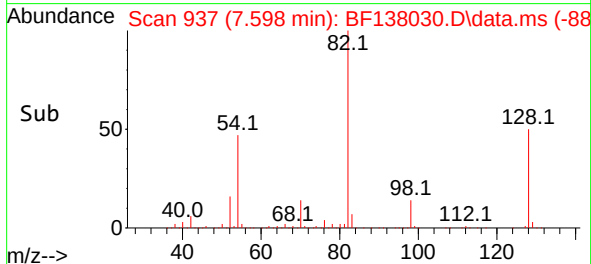
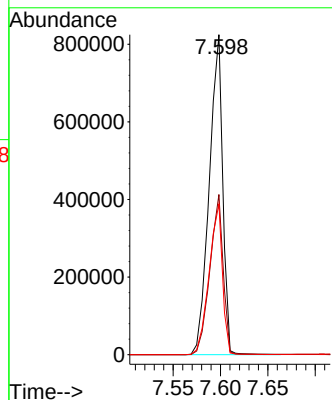
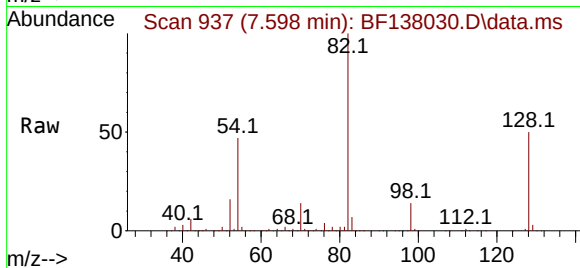
Tgt Ion: 82 Resp: 814313

Ion Ratio Lower Upper

82 100

128 50.1 40.3 60.5

54 47.1 36.8 55.2



#32

Benzoic acid

Concen: 12.846 ng

RT: 8.086 min Scan# 1020

Delta R.T. 0.017 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

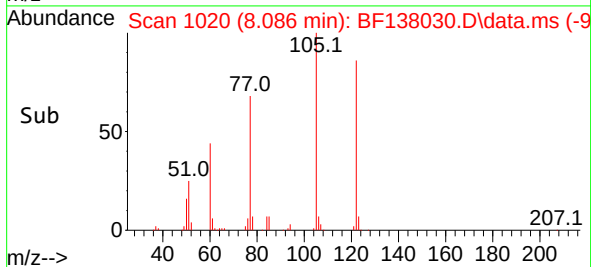
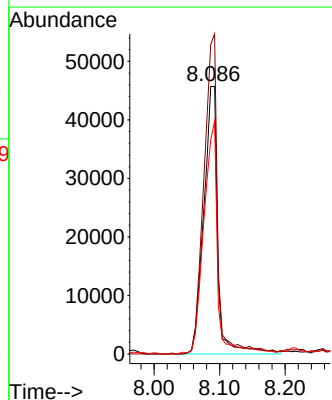
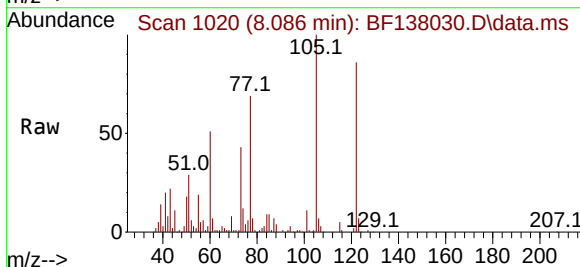
Tgt Ion:122 Resp: 68231

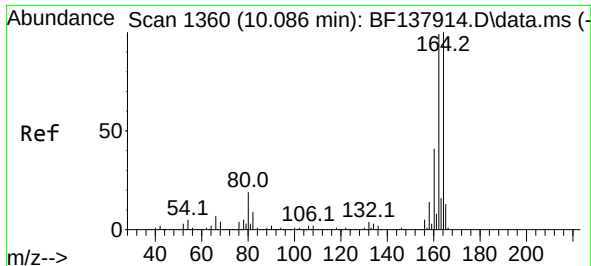
Ion Ratio Lower Upper

122 100

105 115.7 103.8 143.8

77 80.1 68.4 108.4

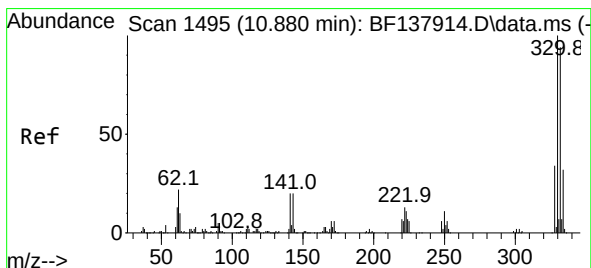
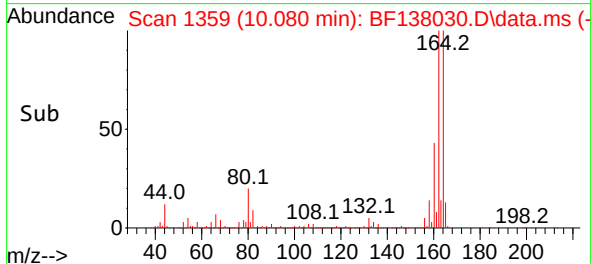
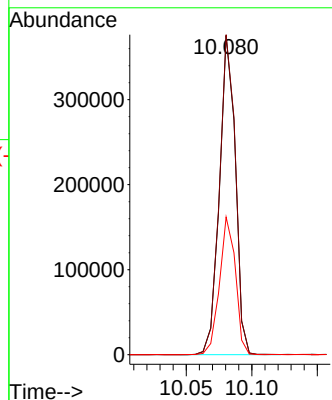
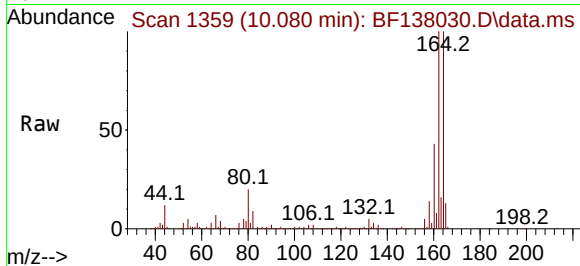




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

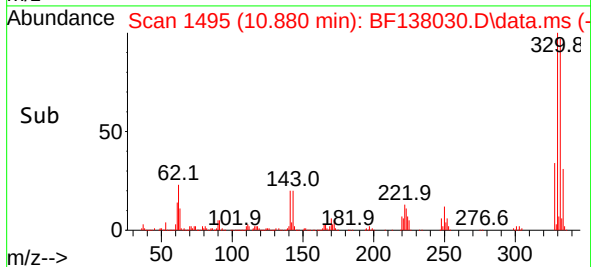
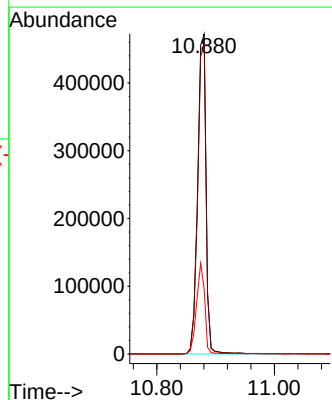
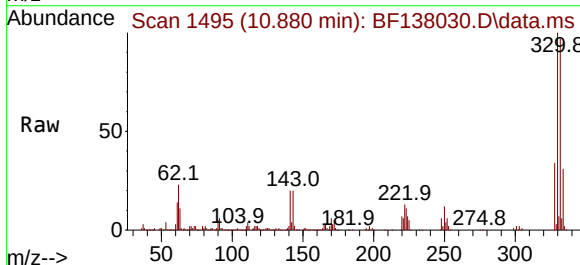
Instrument :
BNA_F
ClientSampleId :
COMP-1

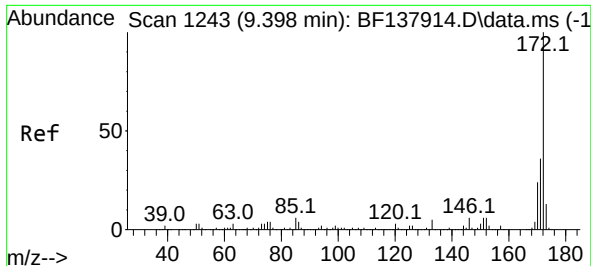
Tgt Ion:164 Resp: 315999
Ion Ratio Lower Upper
164 100
162 100.3 79.4 119.2
160 43.1 33.1 49.7



#42
2,4,6-Tribromophenol
Concen: 147.296 ng
RT: 10.880 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

Tgt Ion:330 Resp: 469315
Ion Ratio Lower Upper
330 100
332 96.0 75.8 113.8
141 27.6 23.8 35.6





#45

2-Fluorobiphenyl

Concen: 86.220 ng

RT: 9.398 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

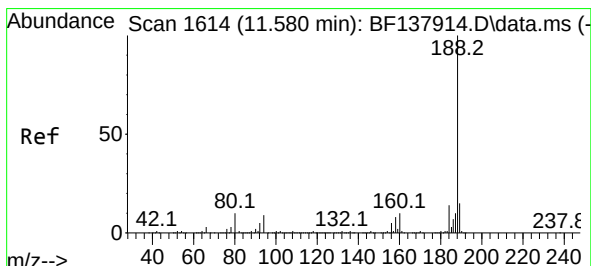
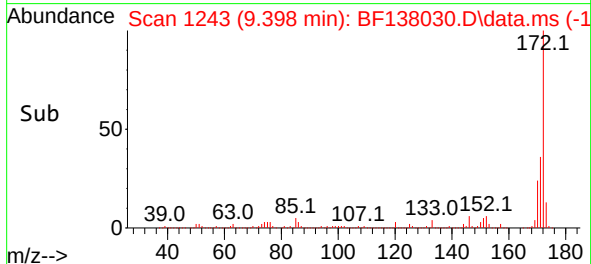
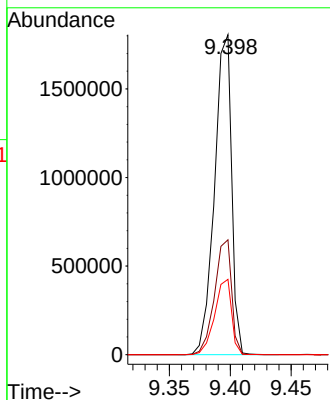
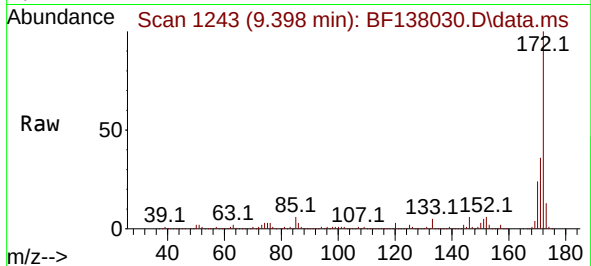
Tgt Ion:172 Resp: 1768733

Ion Ratio Lower Upper

172 100

171 35.9 28.9 43.3

170 23.6 18.9 28.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.574 min Scan# 1613

Delta R.T. -0.006 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

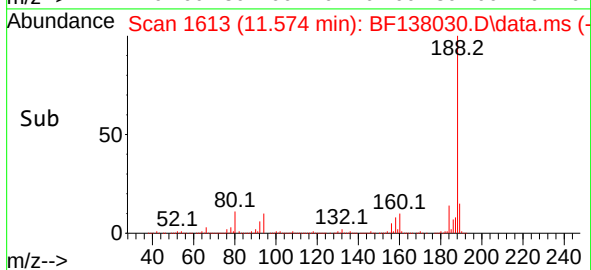
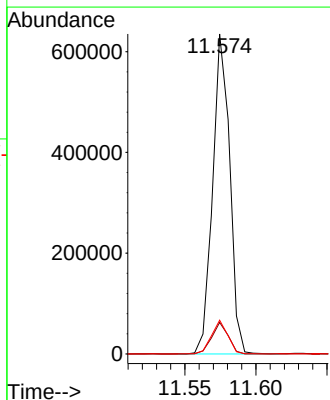
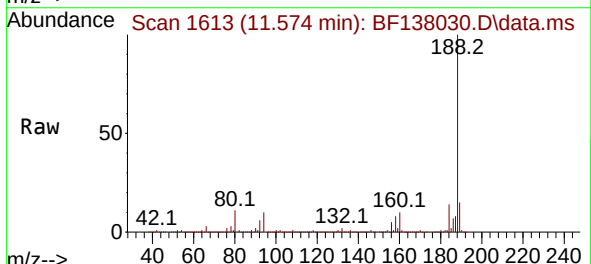
Tgt Ion:188 Resp: 529293

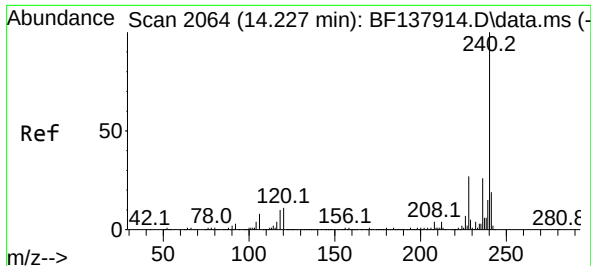
Ion Ratio Lower Upper

188 100

94 9.8 7.0 10.4

80 10.5 7.7 11.5

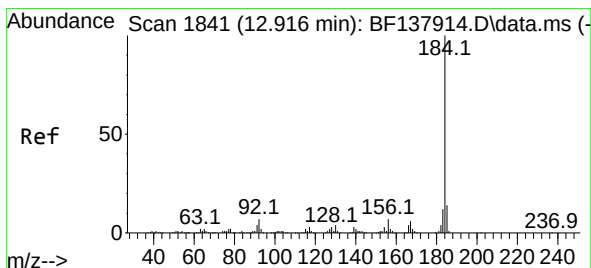
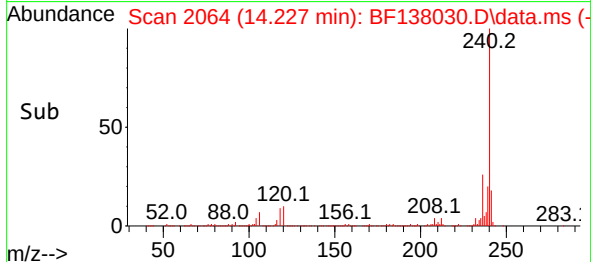
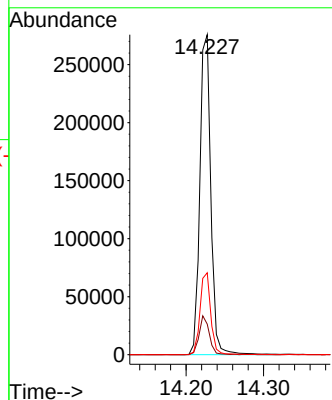
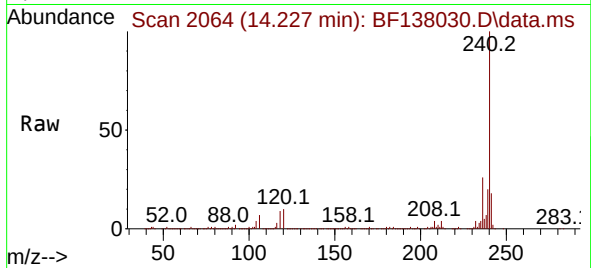




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

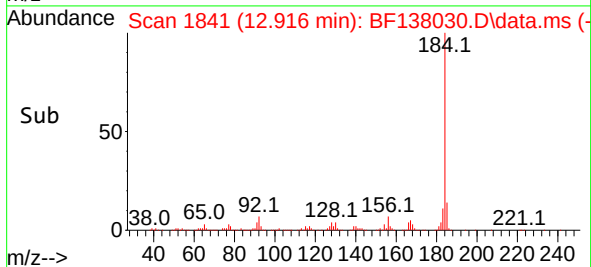
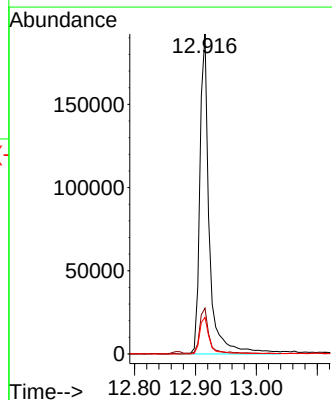
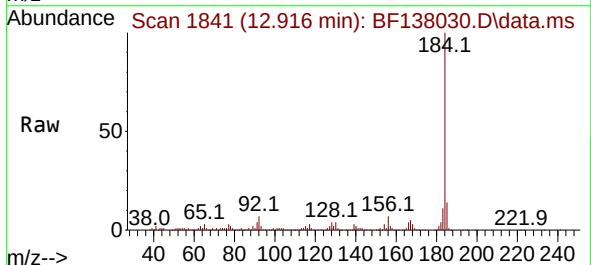
Instrument :
BNA_F
ClientSampleId :
COMP-1

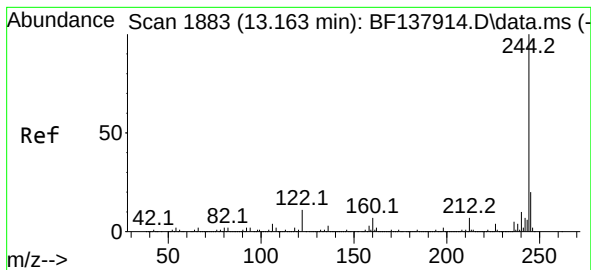
Tgt Ion:240 Resp: 270807
Ion Ratio Lower Upper
240 100
120 9.5 8.9 13.3
236 25.6 21.0 31.4



#77
Benzidine
Concen: 58.436 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.000 min
Lab File: BF138030.D
Acq: 23 May 2024 16:30

Tgt Ion:184 Resp: 206813
Ion Ratio Lower Upper
184 100
185 14.3 11.4 17.2
183 11.5 9.5 14.3





#79

Terphenyl-d14

Concen: 93.138 ng

RT: 13.168 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

Instrument :

BNA_F

ClientSampleId :

COMP-1

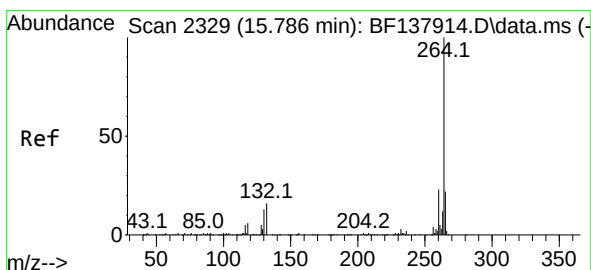
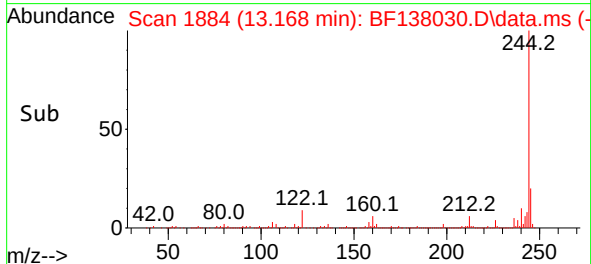
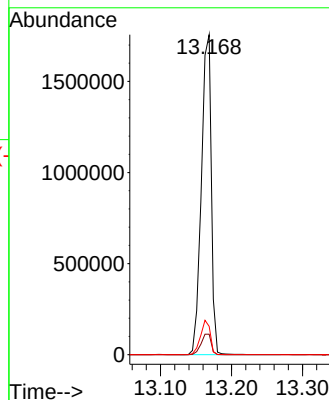
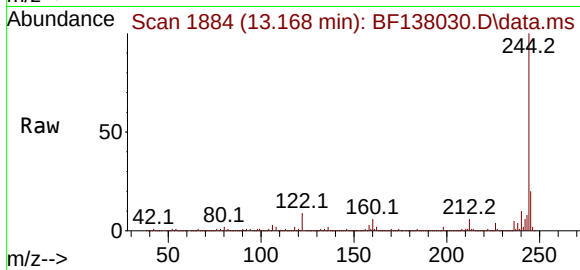
Tgt Ion:244 Resp: 1711385

Ion Ratio Lower Upper

244 100

212 6.4 5.6 8.4

122 8.9 8.8 13.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.792 min Scan# 2330

Delta R.T. 0.006 min

Lab File: BF138030.D

Acq: 23 May 2024 16:30

Tgt Ion:264 Resp: 281308

Ion Ratio Lower Upper

264 100

260 23.0 18.3 27.5

265 21.5 17.6 26.4

