

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136984.D
 Acq On : 05 Jan 2024 19:32
 Operator : CG\JU
 Sample : 05967-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COLT1

Quant Time: Jan 05 22:52:27 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

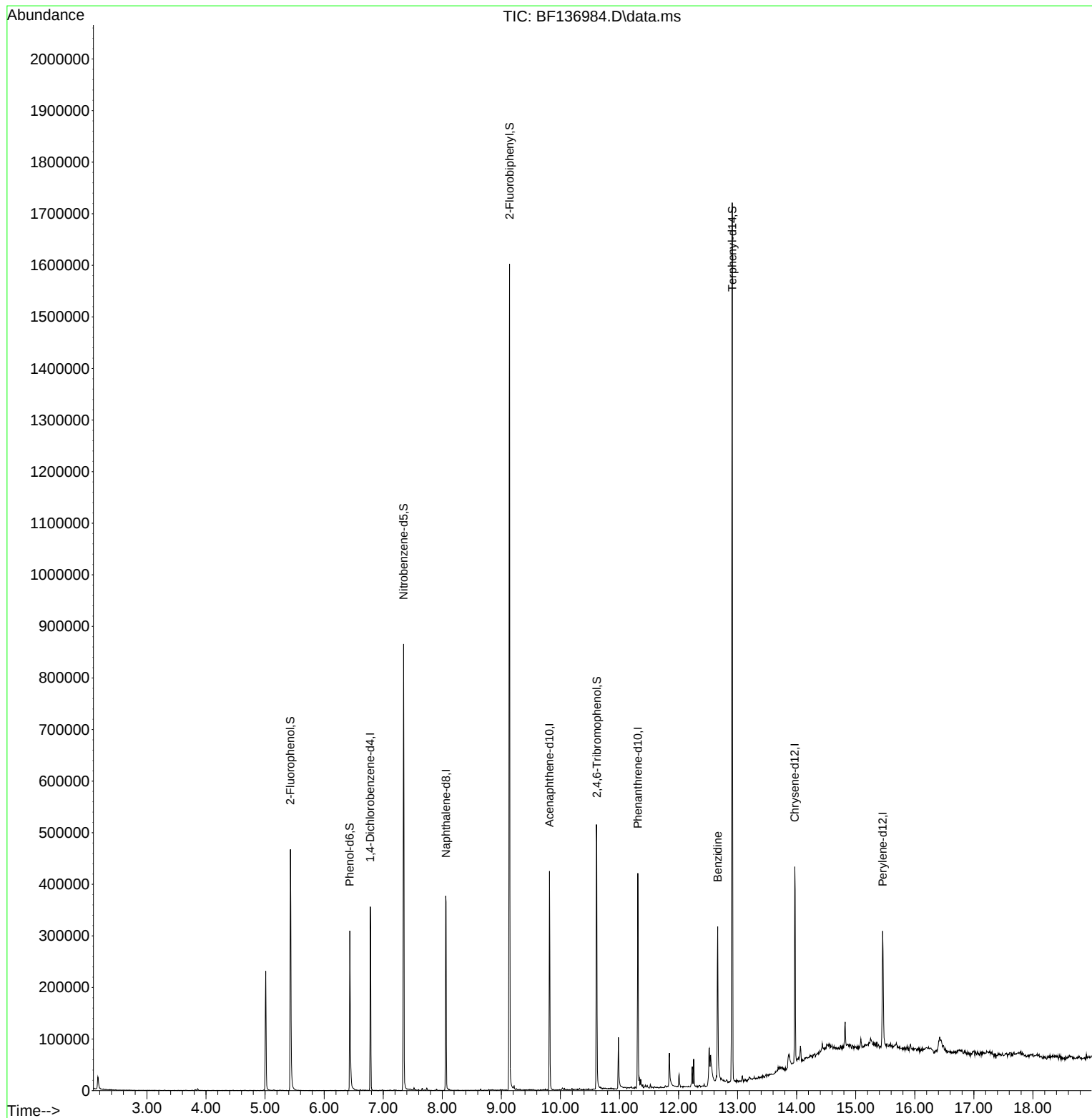
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	52551	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	177415	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	80056	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	146272	20.000	ng	0.00
76) Chrysene-d12	13.969	240	131571	20.000	ng	0.00
86) Perylene-d12	15.457	264	108735	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	135236	40.153	ng	0.00
7) Phenol-d6	6.434	99	107335	24.595	ng	0.00
23) Nitrobenzene-d5	7.345	82	256847	74.081	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	71214	75.532	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	497450	83.574	ng	-0.01
79) Terphenyl-d14	12.910	244	575659	61.143	ng	0.00
Target Compounds						
77) Benzidine	12.663	184	132196	34.076	ng	Qvalue 99

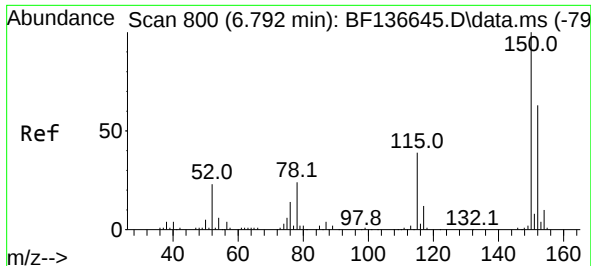
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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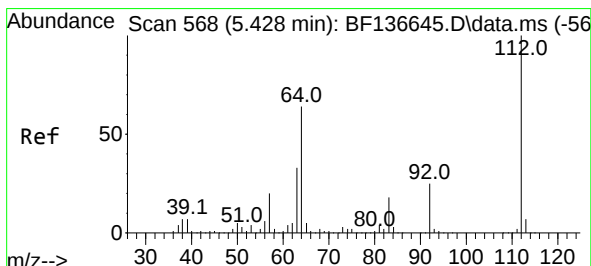
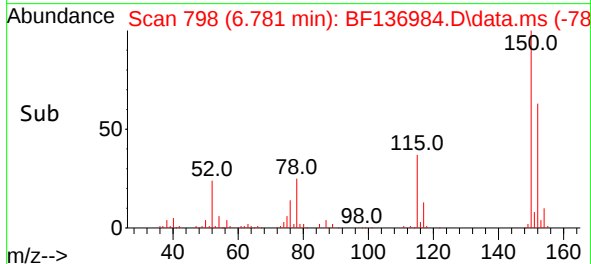
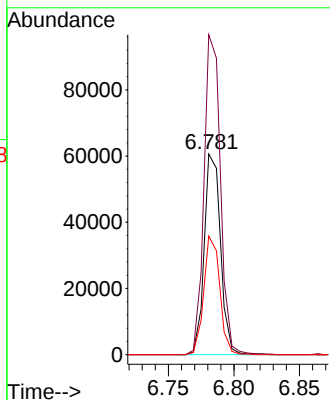
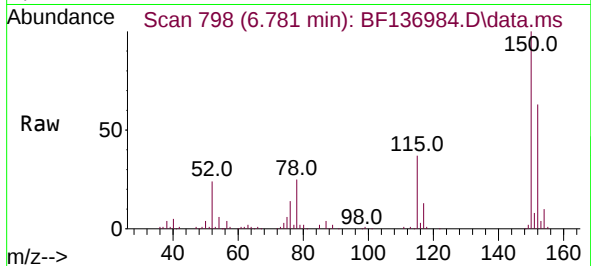




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136984.D
Acq: 05 Jan 2024 19:32

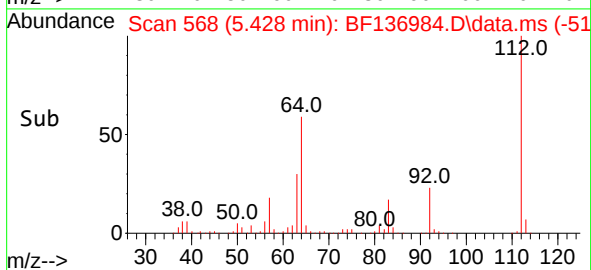
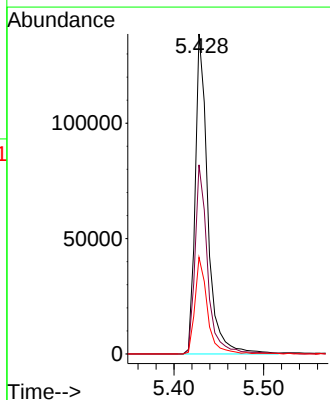
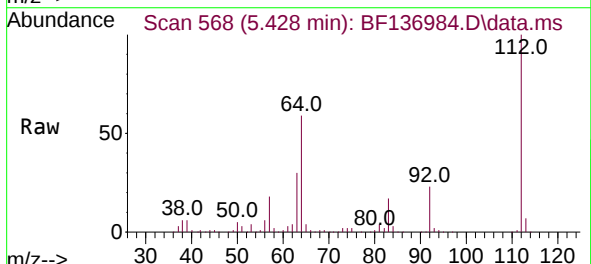
Instrument :
BNA_F
ClientSampleId :
COLT1

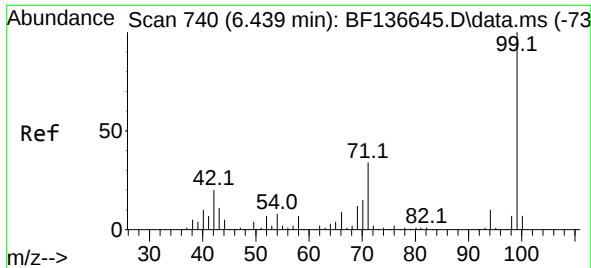
Tgt Ion:152 Resp: 52551
Ion Ratio Lower Upper
152 100
150 159.5 127.0 190.6
115 59.1 49.0 73.4



#5
2-Fluorophenol
Concen: 40.153 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136984.D
Acq: 05 Jan 2024 19:32

Tgt Ion:112 Resp: 135236
Ion Ratio Lower Upper
112 100
64 59.1 51.1 76.7
63 30.2 26.1 39.1

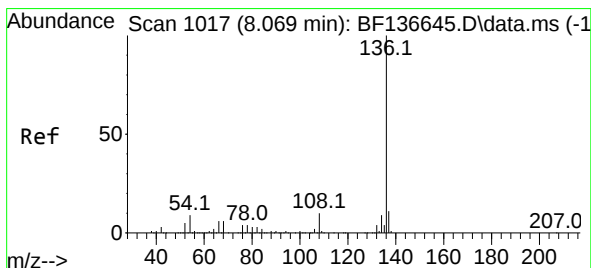
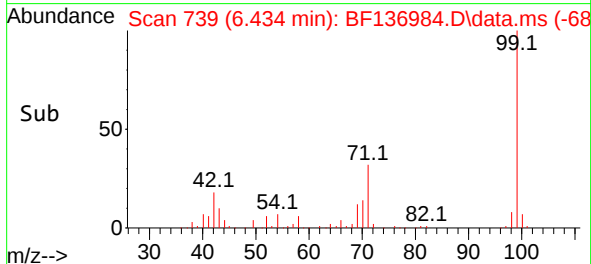
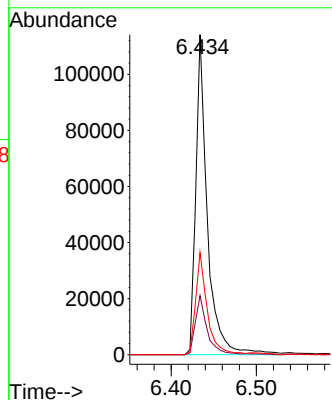
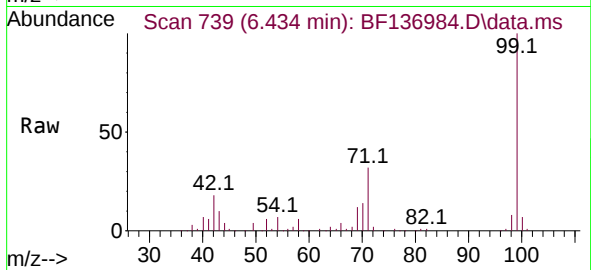




#7
Phenol-d6
Concen: 24.595 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136984.D
Acq: 05 Jan 2024 19:32

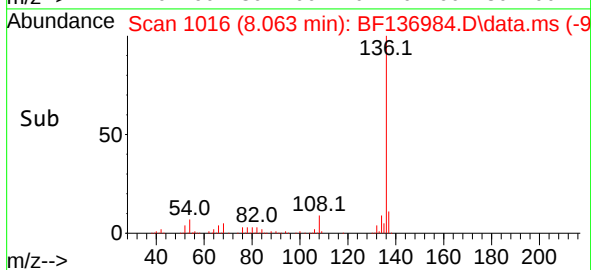
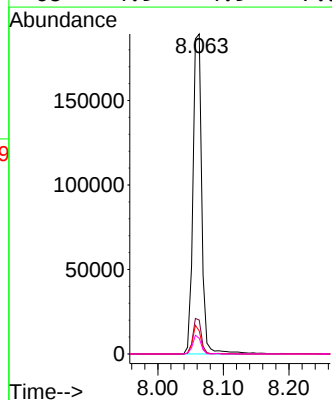
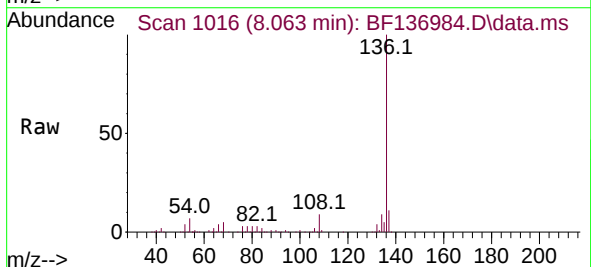
Instrument :
BNA_F
ClientSampleId :
COLT1

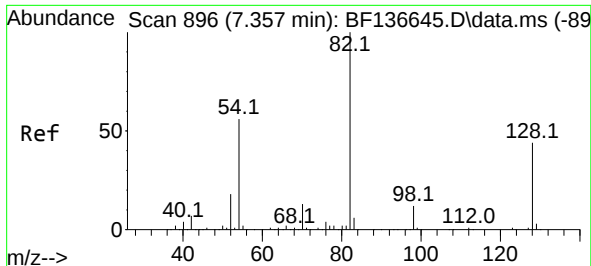
Tgt Ion: 99 Resp: 107335
Ion Ratio Lower Upper
99 100
42 18.5 16.1 24.1
71 31.9 27.4 41.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136984.D
Acq: 05 Jan 2024 19:32

Tgt Ion: 136 Resp: 177415
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 7.2 7.2 10.8#
68 4.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 74.081 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136984.D

Acq: 05 Jan 2024 19:32

Instrument :

BNA_F

ClientSampleId :

COLT1

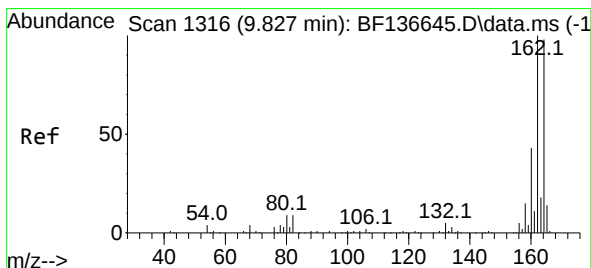
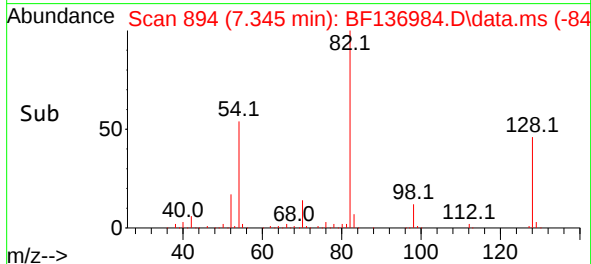
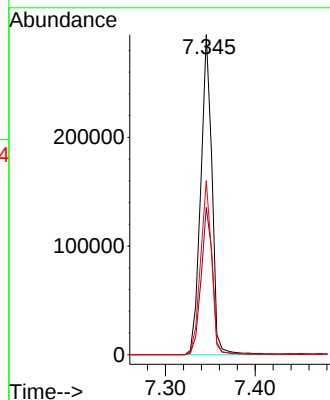
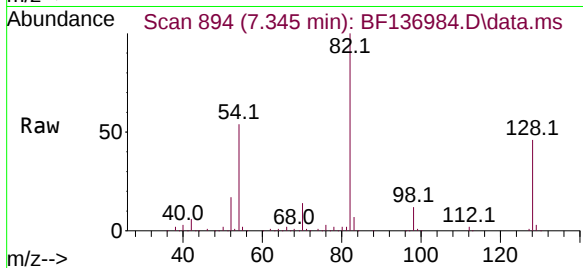
Tgt Ion: 82 Resp: 256847

Ion Ratio Lower Upper

82 100

128 46.0 35.3 52.9

54 54.4 44.5 66.7



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF136984.D

Acq: 05 Jan 2024 19:32

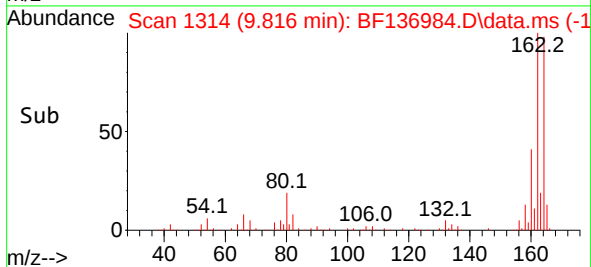
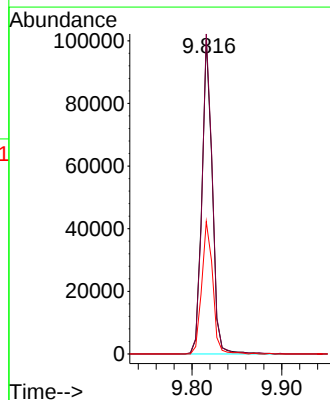
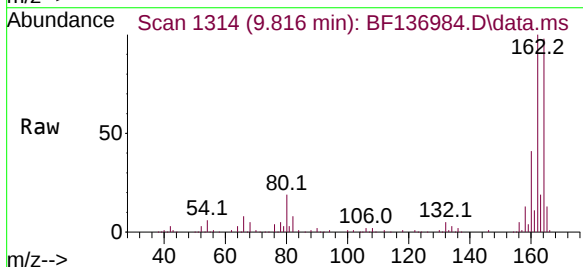
Tgt Ion:164 Resp: 80056

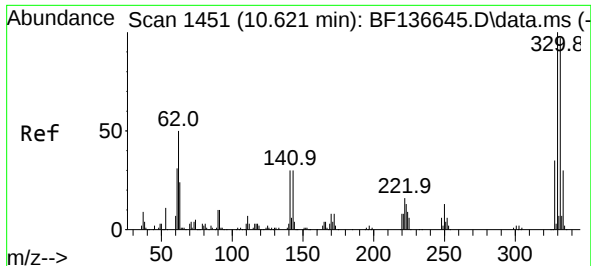
Ion Ratio Lower Upper

164 100

162 101.9 81.6 122.4

160 42.2 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 75.532 ng

RT: 10.616 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF136984.D

Acq: 05 Jan 2024 19:32

Instrument :

BNA_F

ClientSampleId :

COLT1

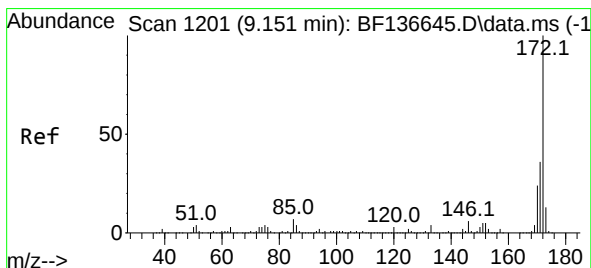
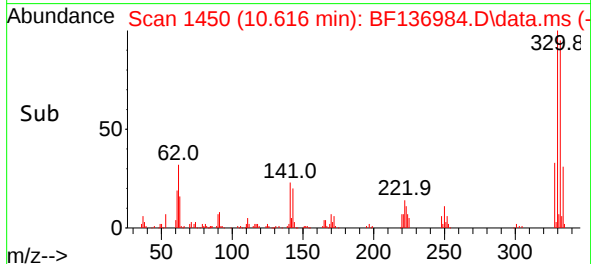
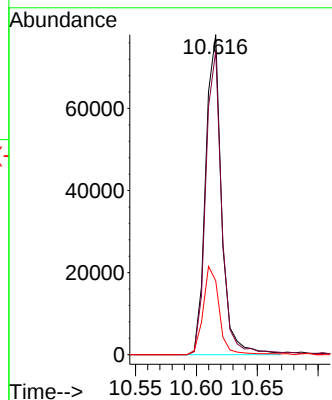
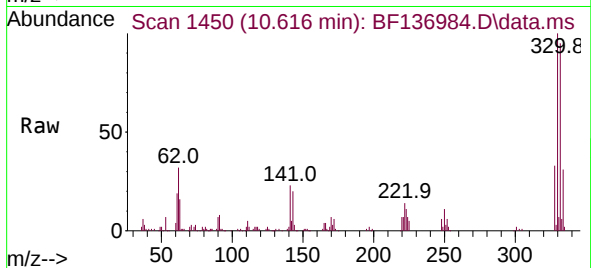
Tgt Ion:330 Resp: 71214

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.0

141 27.9 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 83.574 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136984.D

Acq: 05 Jan 2024 19:32

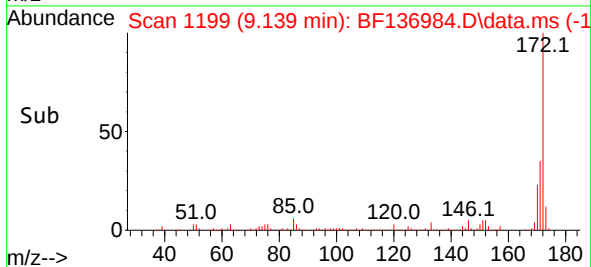
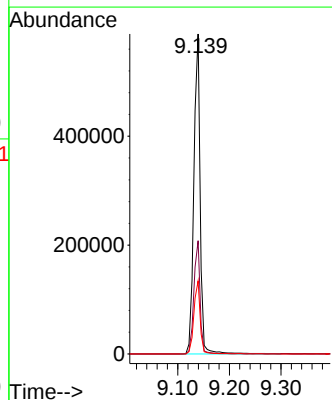
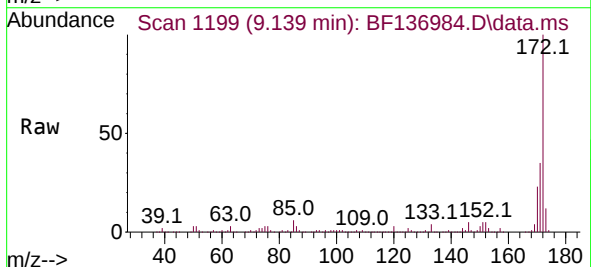
Tgt Ion:172 Resp: 497450

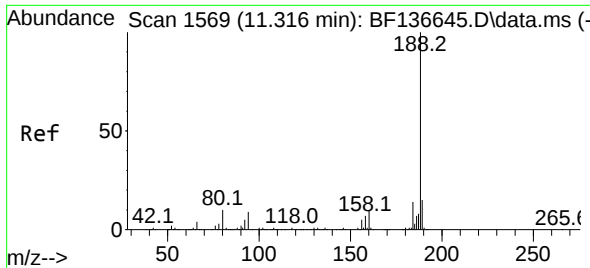
Ion Ratio Lower Upper

172 100

171 35.4 29.0 43.6

170 22.9 19.0 28.4

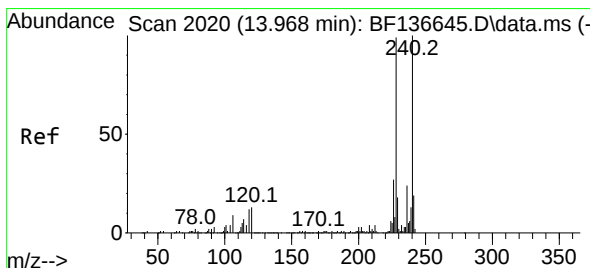
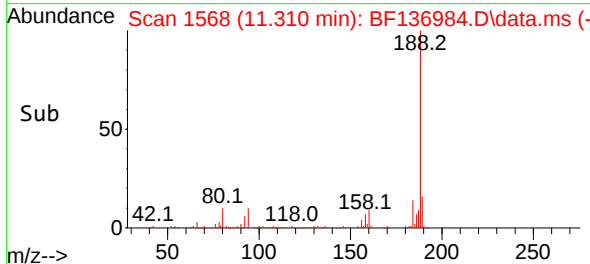
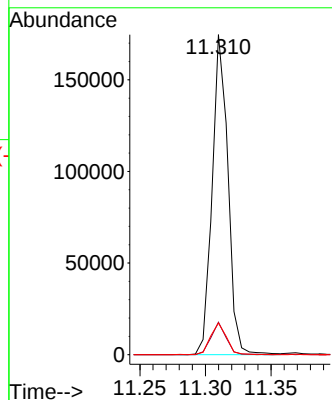
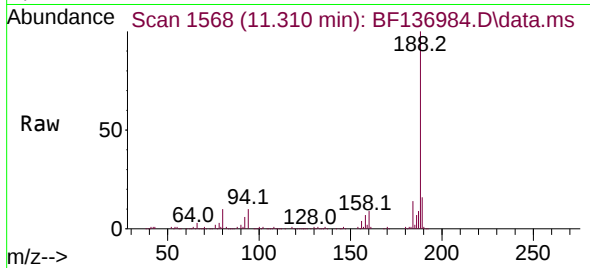




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136984.D
Acq: 05 Jan 2024 19:32

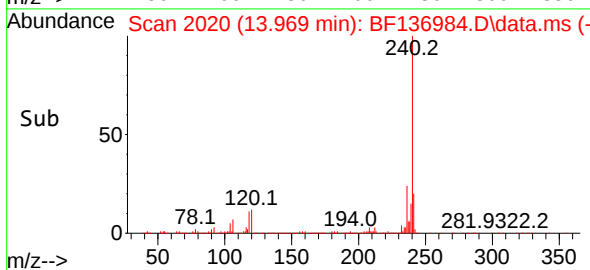
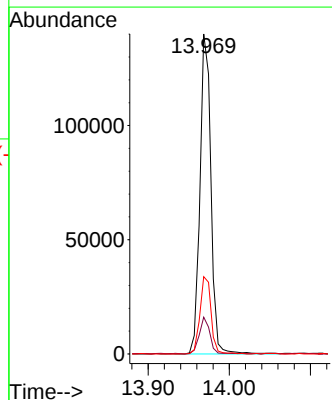
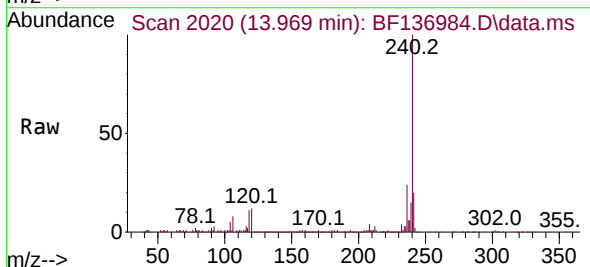
Instrument :
BNA_F
ClientSampleId :
COLT1

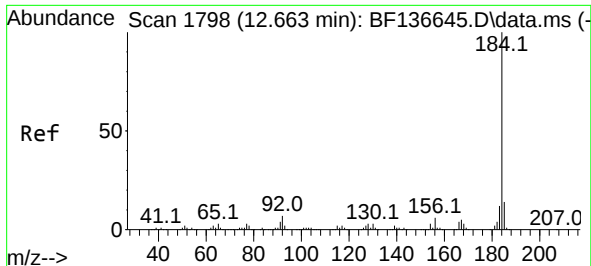
Tgt Ion:188 Resp: 146272
Ion Ratio Lower Upper
188 100
94 10.2 7.5 11.3
80 9.9 8.1 12.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136984.D
Acq: 05 Jan 2024 19:32

Tgt Ion:240 Resp: 131571
Ion Ratio Lower Upper
240 100
120 11.5 10.3 15.5
236 24.2 19.4 29.2

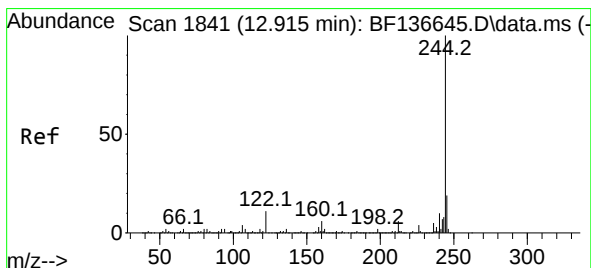
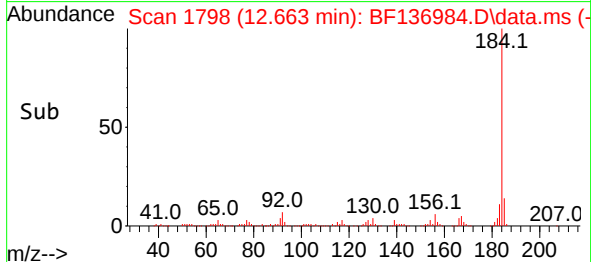
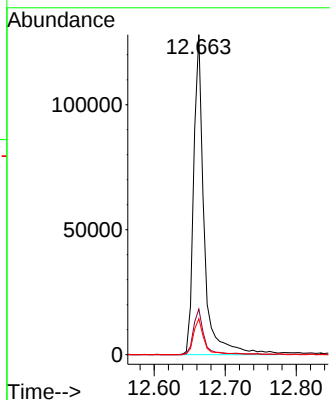
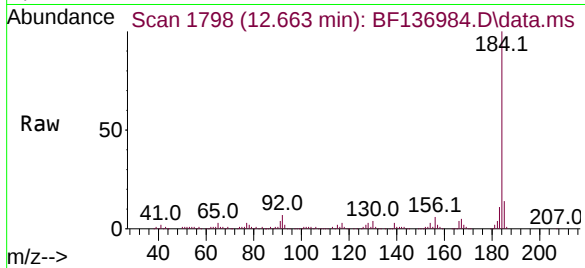




#77
Benzidine
Concen: 34.076 ng
RT: 12.663 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF136984.D
Acq: 05 Jan 2024 19:32

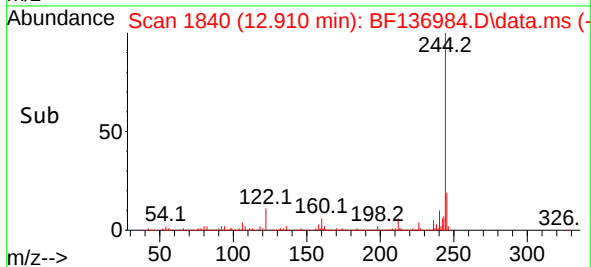
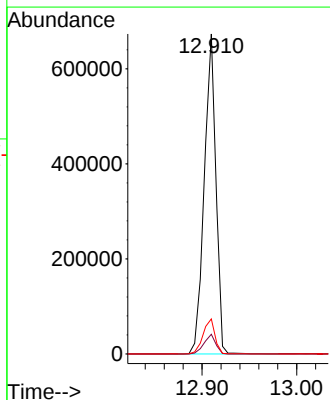
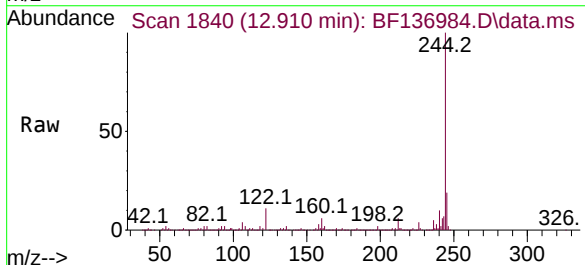
Instrument :
BNA_F
ClientSampleId :
COLT1

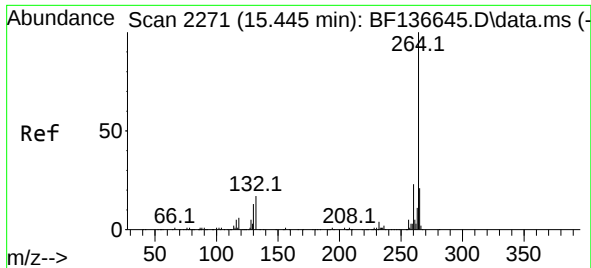
Tgt Ion:184 Resp: 132196
Ion Ratio Lower Upper
184 100
185 14.2 11.2 16.8
183 11.3 9.3 13.9



#79
Terphenyl-d14
Concen: 61.143 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.006 min
Lab File: BF136984.D
Acq: 05 Jan 2024 19:32

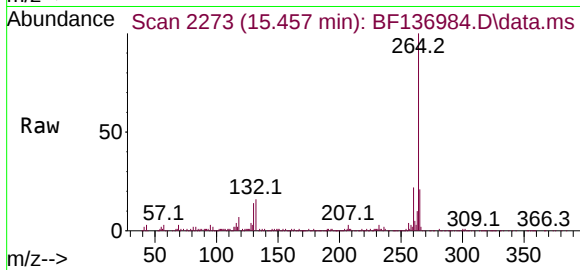
Tgt Ion:244 Resp: 575659
Ion Ratio Lower Upper
244 100
212 6.2 5.0 7.4
122 10.9 9.0 13.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF136984.D
Acq: 05 Jan 2024 19:32

Instrument :
BNA_F
ClientSampleId :
COLT1



Tgt Ion:264 Resp: 108735
Ion Ratio Lower Upper
264 100
260 21.8 18.3 27.5
265 20.8 17.0 25.6

