

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051523\
 Data File : BF133387.D
 Acq On : 15 May 2023 17:17
 Operator : CG\JU
 Sample : 02781-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MGP-WASTE-WASTER-5/12/23

Quant Time: May 15 17:53:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 11 16:40:17 2023
 Response via : Initial Calibration

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

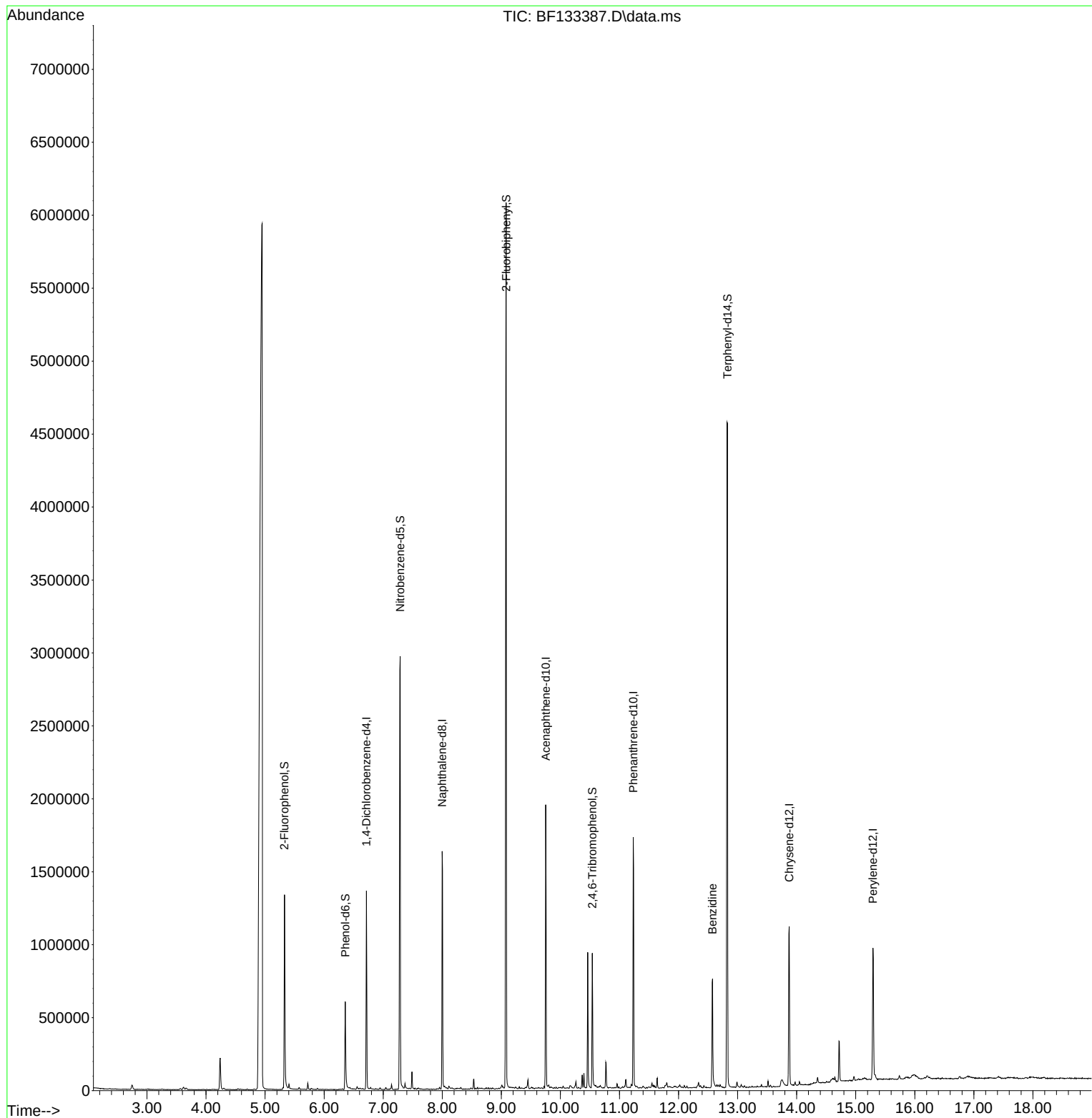
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	180095	20.000	ng	0.00
21) Naphthalene-d8	7.998	136	718323	20.000	ng	-0.01
39) Acenaphthene-d10	9.751	164	359770	20.000	ng	0.00
64) Phenanthrene-d10	11.233	188	632453	20.000	ng	0.00
76) Chrysene-d12	13.874	240	376553	20.000	ng	0.00
86) Perylene-d12	15.292	264	399287	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	384060	32.214	ng	0.00
7) Phenol-d6	6.357	99	202282	13.670	ng	-0.01
23) Nitrobenzene-d5	7.287	82	999131	75.078	ng	0.00
42) 2,4,6-Tribromophenol	10.539	330	102126	28.226	ng	-0.01
45) 2-Fluorobiphenyl	9.081	172	1750488	81.401	ng	0.00
79) Terphenyl-d14	12.827	244	1755364	80.398	ng	0.00
Target Compounds						
77) Benzidine	12.575	184	316409	49.690	ng	Qvalue # 93

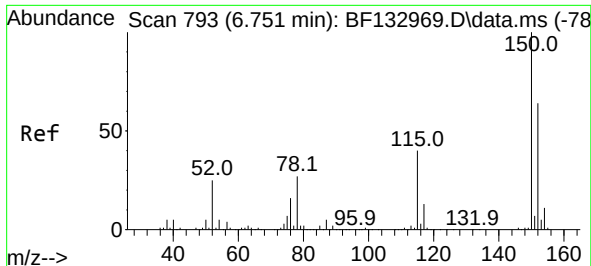
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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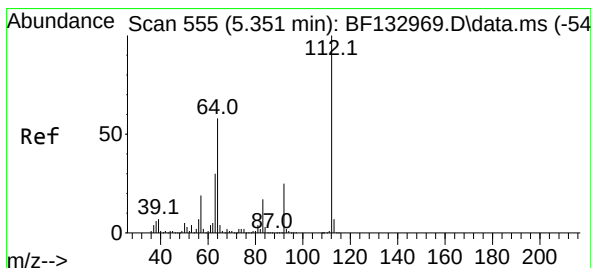
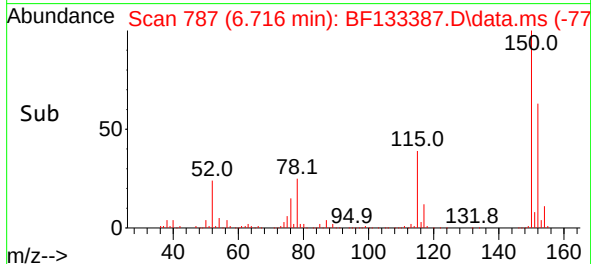
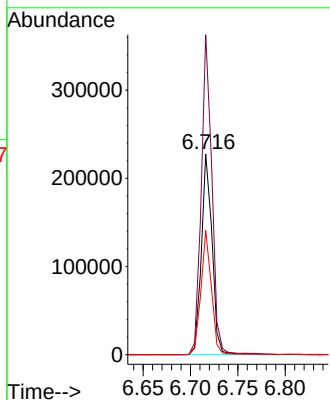
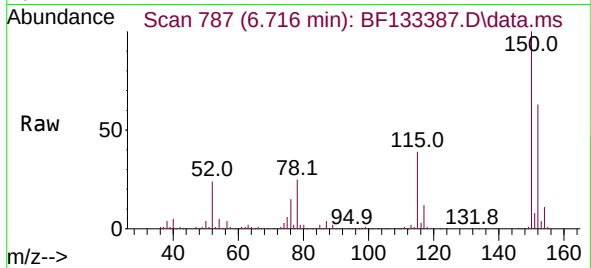




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.716 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133387.D
Acq: 15 May 2023 17:17

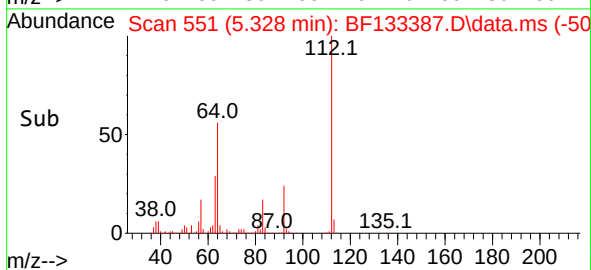
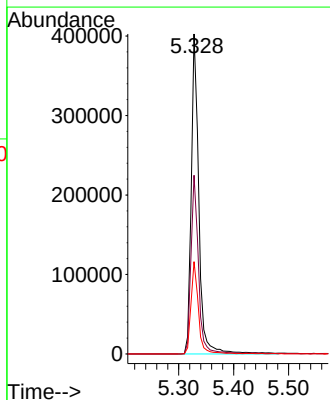
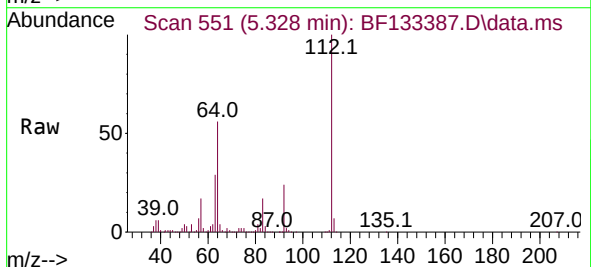
Instrument :
BNA_F
ClientSampleId :
MGP-WASTE-WASTER-5/12/23

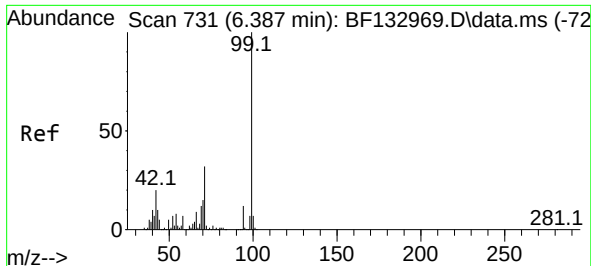
Tgt Ion:152 Resp: 180095
Ion Ratio Lower Upper
152 100
150 159.4 124.8 187.2
115 62.0 49.9 74.9



#5
2-Fluorophenol
Concen: 32.214 ng
RT: 5.328 min Scan# 551
Delta R.T. 0.000 min
Lab File: BF133387.D
Acq: 15 May 2023 17:17

Tgt Ion:112 Resp: 384060
Ion Ratio Lower Upper
112 100
64 55.9 46.8 70.2
63 28.8 23.8 35.8

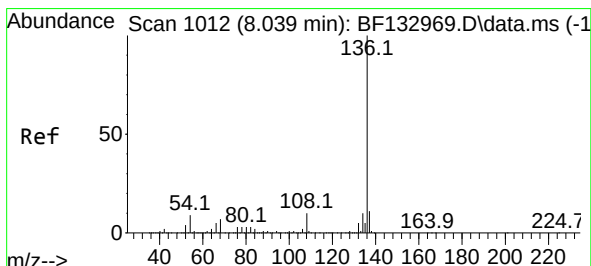
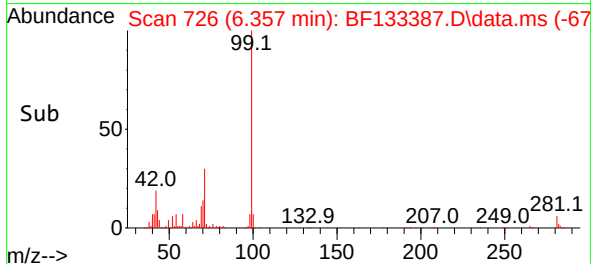
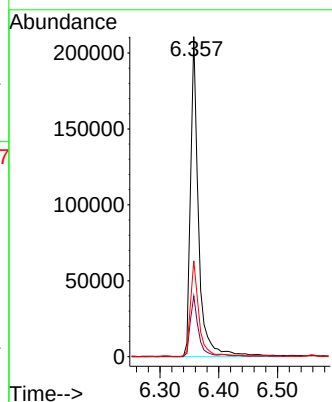
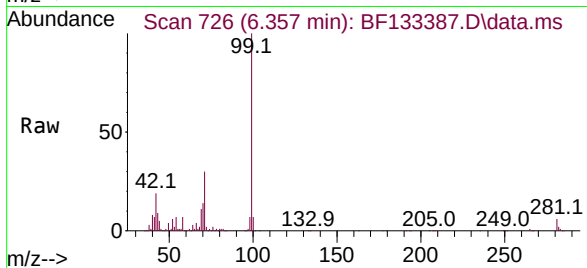




#7
Phenol-d6
Concen: 13.670 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133387.D
Acq: 15 May 2023 17:17

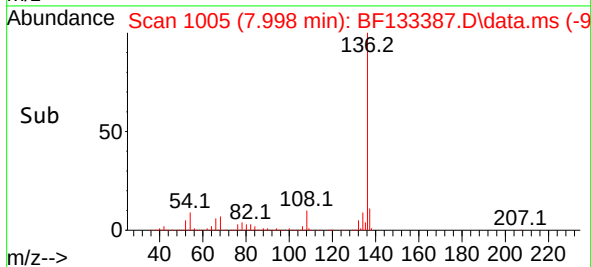
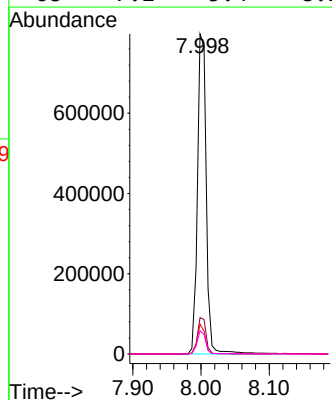
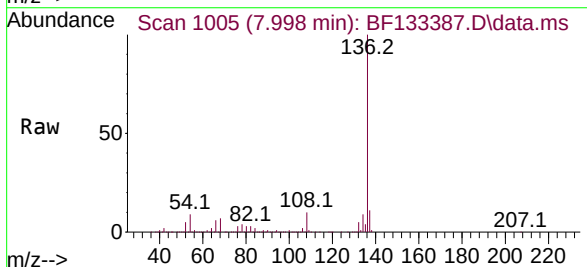
Instrument :
BNA_F
ClientSampleId :
MGP-WASTE-WASTER-5/12/23

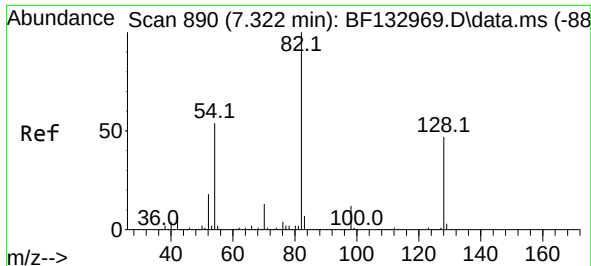
Tgt Ion: 99 Resp: 202282
Ion Ratio Lower Upper
99 100
42 19.0 16.3 24.5
71 30.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.012 min
Lab File: BF133387.D
Acq: 15 May 2023 17:17

Tgt Ion: 136 Resp: 718323
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 9.3 7.0 10.4
68 7.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 75.078 ng

RT: 7.287 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133387.D

Acq: 15 May 2023 17:17

Instrument :

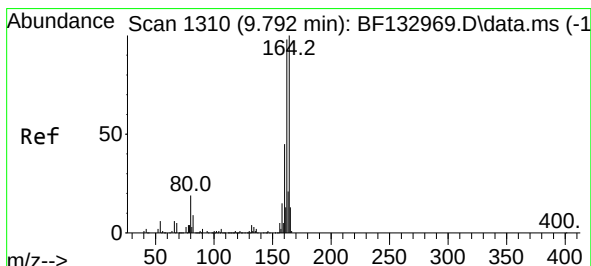
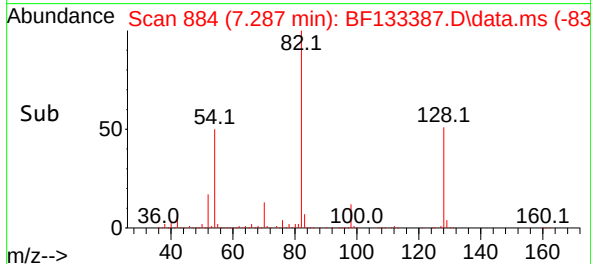
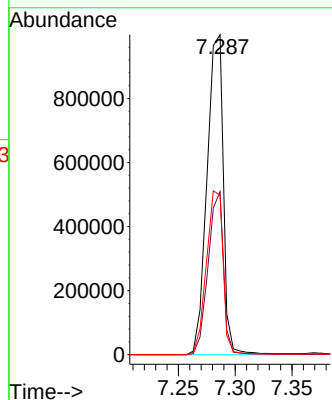
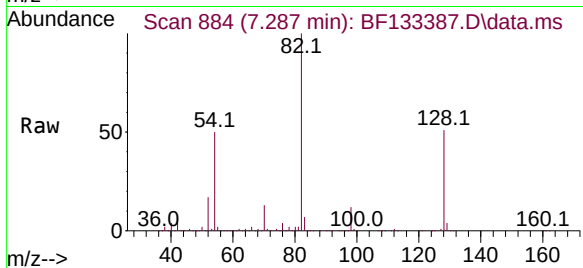
BNA_F

ClientSampleId :

MGP-WASTE-WASTER-5/12/23

Tgt Ion: 82 Resp: 999131

Ion	Ratio	Lower	Upper
82	100		
128	50.9	37.7	56.5
54	49.8	43.0	64.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.751 min Scan# 1303

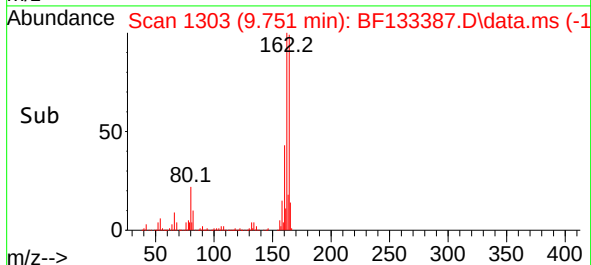
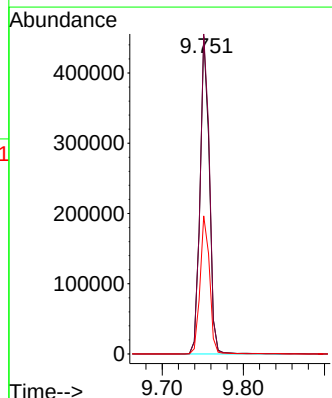
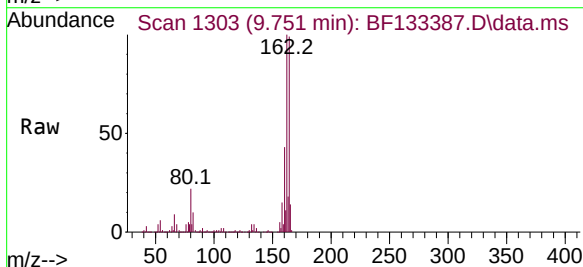
Delta R.T. -0.006 min

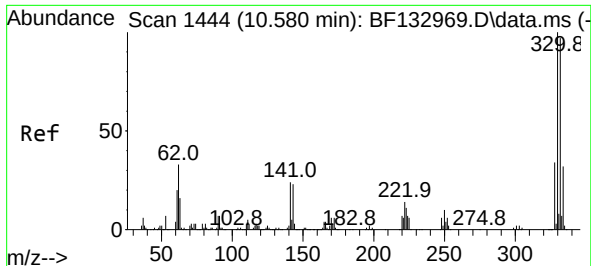
Lab File: BF133387.D

Acq: 15 May 2023 17:17

Tgt Ion:164 Resp: 359770

Ion	Ratio	Lower	Upper
164	100		
162	100.8	78.7	118.1
160	43.5	35.8	53.6





#42

2,4,6-Tribromophenol

Concen: 28.226 ng

RT: 10.539 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133387.D

Acq: 15 May 2023 17:17

Instrument :

BNA_F

ClientSampleId :

MGP-WASTE-WASTER-5/12/23

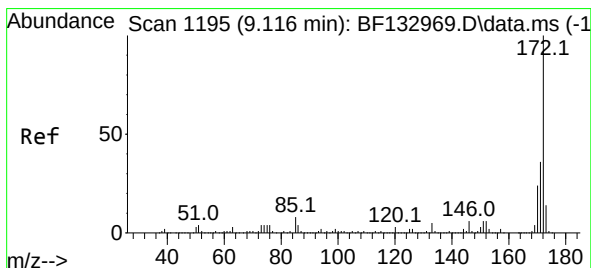
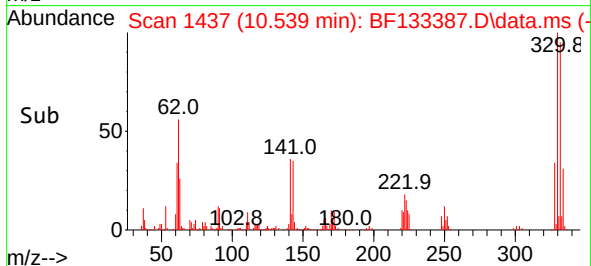
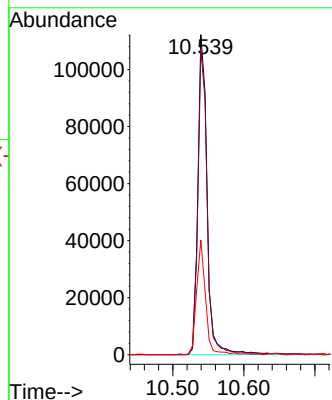
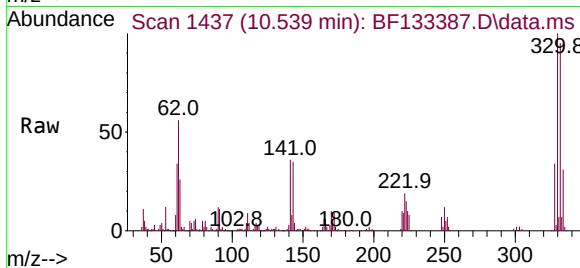
Tgt Ion:330 Resp: 102126

Ion Ratio Lower Upper

330 100

332 95.6 77.1 115.7

141 35.0 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 81.401 ng

RT: 9.081 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF133387.D

Acq: 15 May 2023 17:17

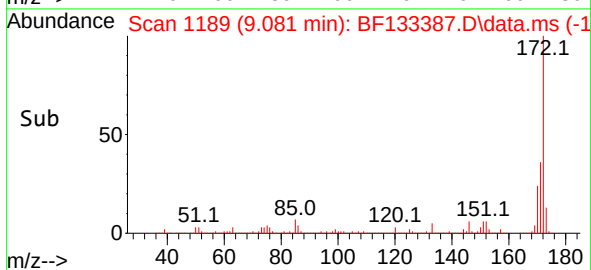
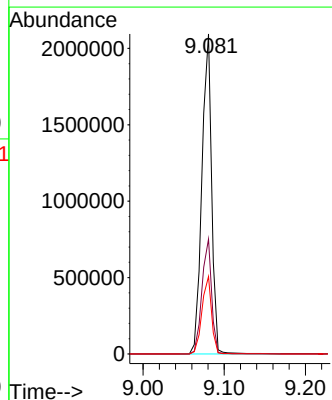
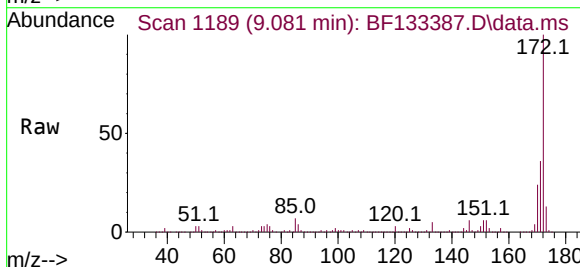
Tgt Ion:172 Resp: 1750488

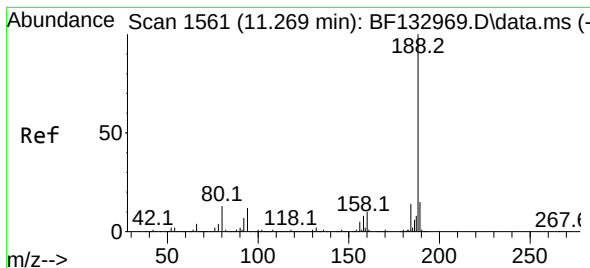
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 24.2 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.233 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133387.D

Acq: 15 May 2023 17:17

Instrument :

BNA_F

ClientSampleId :

MGP-WASTE-WASTER-5/12/23

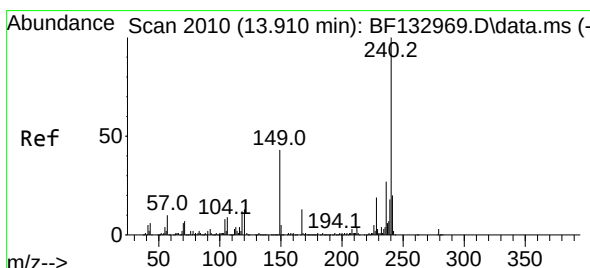
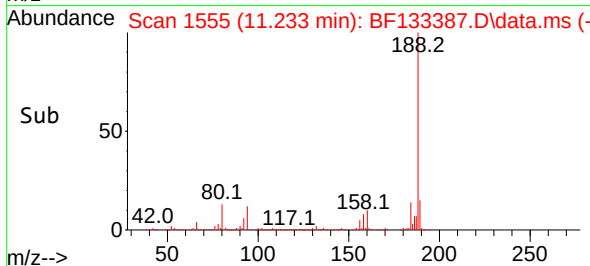
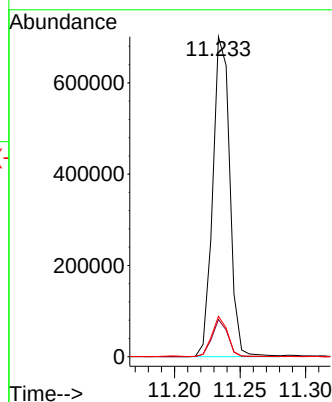
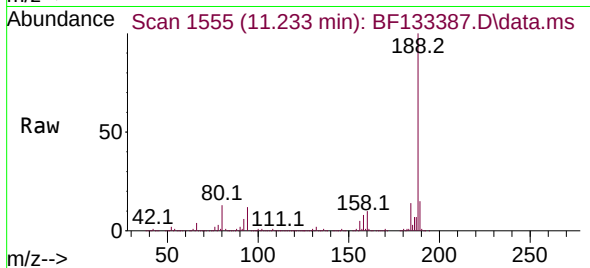
Tgt Ion:188 Resp: 632453

Ion Ratio Lower Upper

188 100

94 11.6 9.7 14.5

80 12.6 10.4 15.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 2004

Delta R.T. -0.006 min

Lab File: BF133387.D

Acq: 15 May 2023 17:17

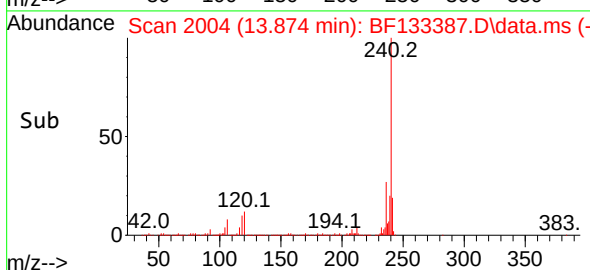
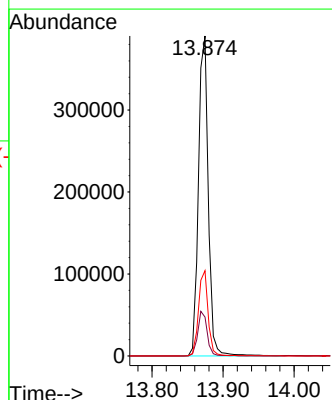
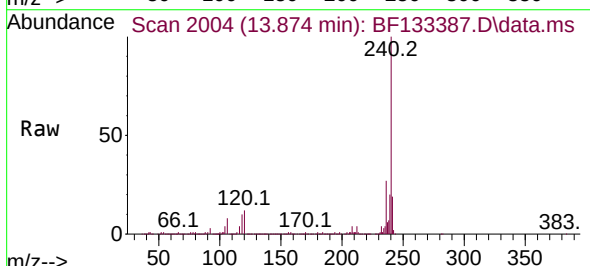
Tgt Ion:240 Resp: 376553

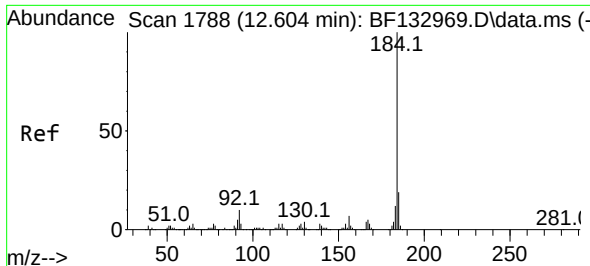
Ion Ratio Lower Upper

240 100

120 12.2 10.5 15.7

236 26.7 21.5 32.3

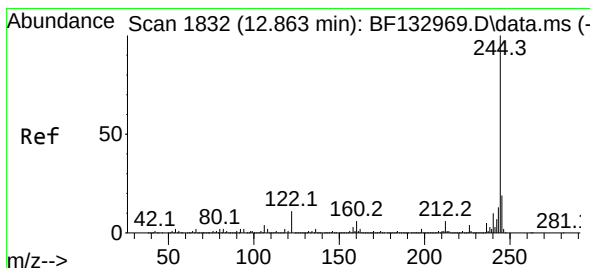
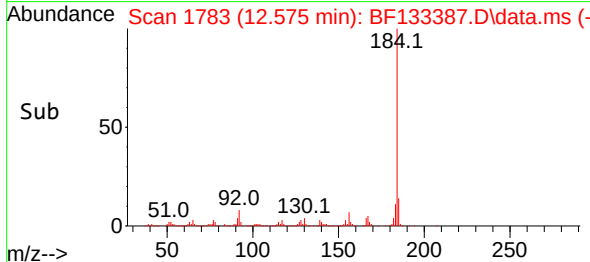
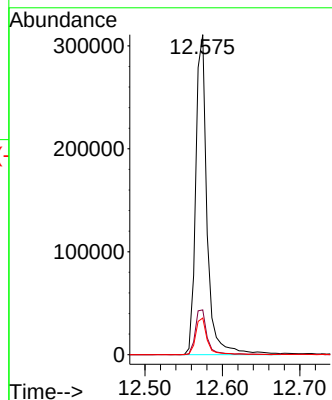
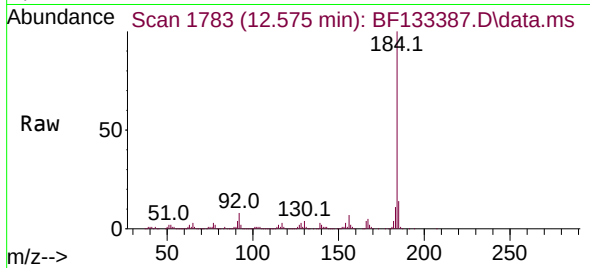




#77
Benzidine
Concen: 49.690 ng
RT: 12.575 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BF133387.D
Acq: 15 May 2023 17:17

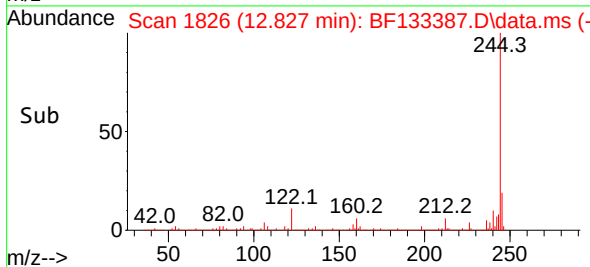
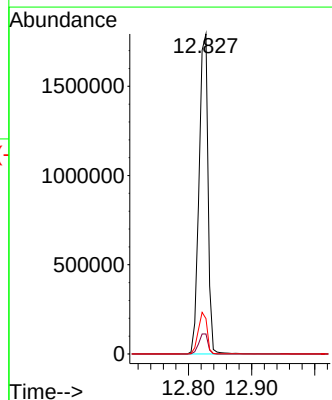
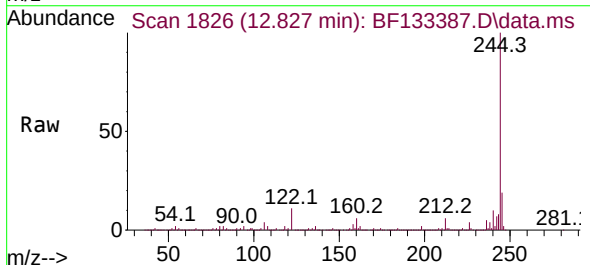
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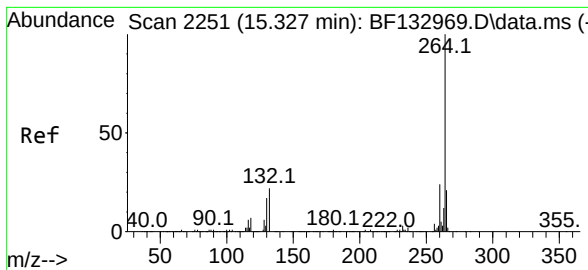
Tgt Ion:184 Resp: 316409
Ion Ratio Lower Upper
184 100
185 14.0 15.4 23.2#
183 11.5 9.4 14.0



#79
Terphenyl-d14
Concen: 80.398 ng
RT: 12.827 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF133387.D
Acq: 15 May 2023 17:17

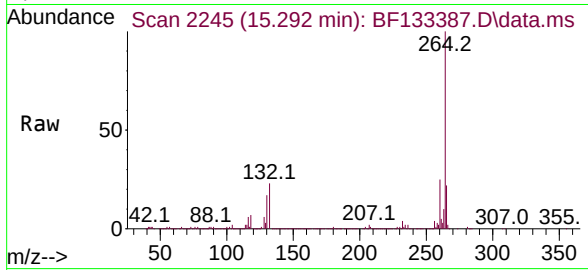
Tgt Ion:244 Resp: 1755364
Ion Ratio Lower Upper
244 100
212 6.2 5.1 7.7
122 11.1 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF133387.D
 Acq: 15 May 2023 17:17

Instrument :
 BNA_F
 ClientSampleId :
 MGP-WASTE-WASTER-5/12/23



Tgt Ion:264 Resp: 399287
 Ion Ratio Lower Upper
 264 100
 260 25.1 18.8 28.2
 265 21.9 17.0 25.4

