

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051623\
 Data File : BF133402.D
 Acq On : 16 May 2023 15:04
 Operator : CG\JU
 Sample : 02781-01RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: May 16 15:40:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

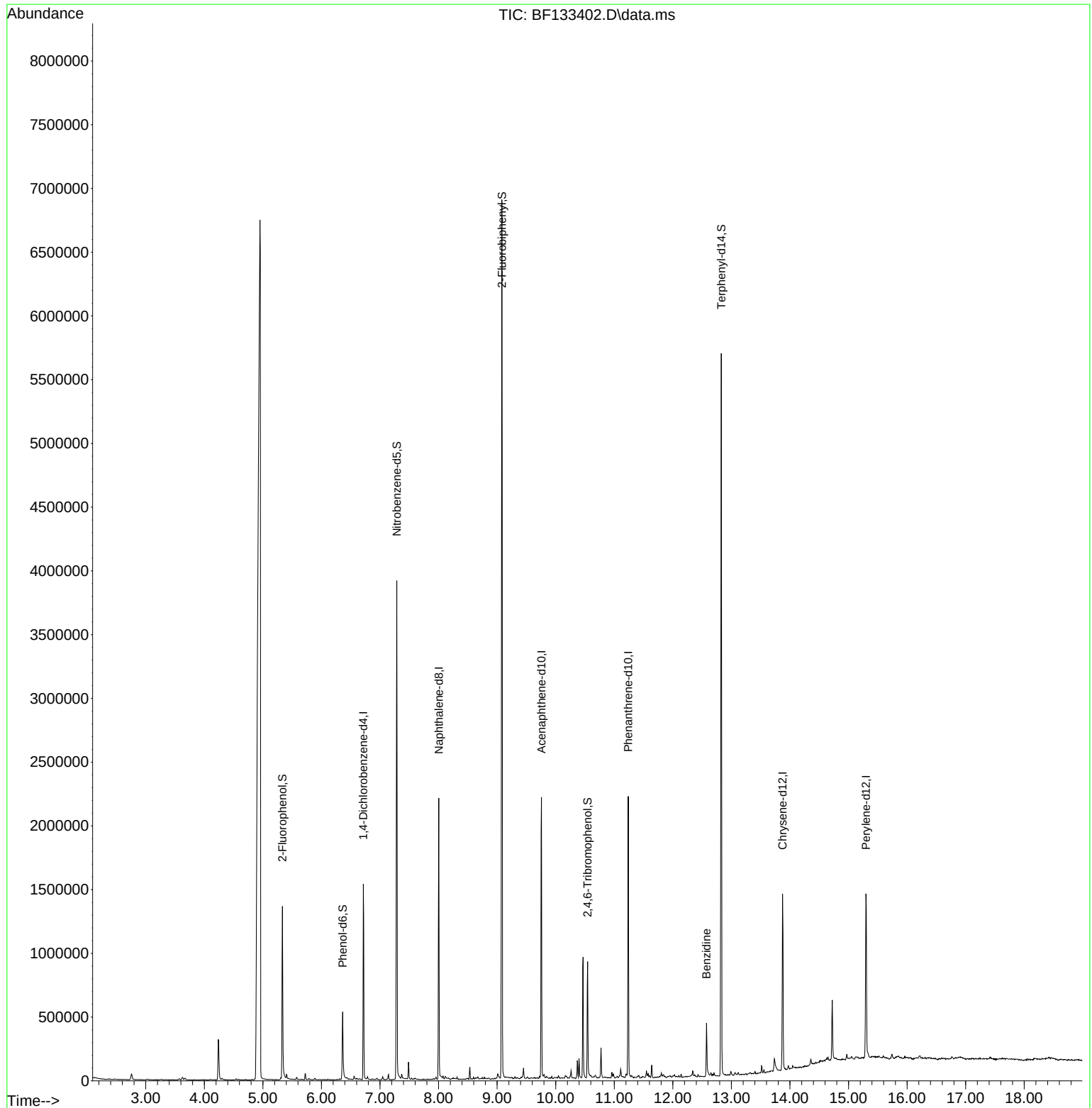
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	221752	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	876796	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	440578	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	731575	20.000	ng	0.00
76) Chrysene-d12	13.874	240	448035	20.000	ng	-0.01
86) Perylene-d12	15.298	264	561317	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	404355	27.545	ng	0.00
7) Phenol-d6	6.363	99	192243	10.551	ng	0.00
23) Nitrobenzene-d5	7.286	82	1195575	73.601	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	108760	24.546	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	2173661	82.540	ng	0.00
79) Terphenyl-d14	12.827	244	1967753	75.747	ng	0.00
Target Compounds						
77) Benzidine	12.574	184	160982	21.248	ng	Qvalue # 94

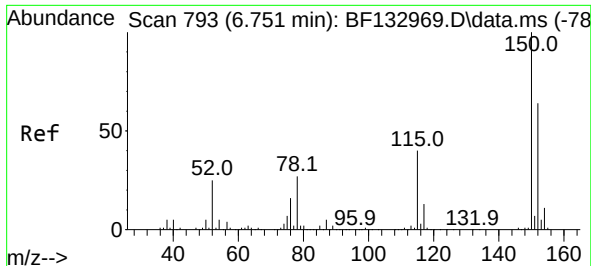
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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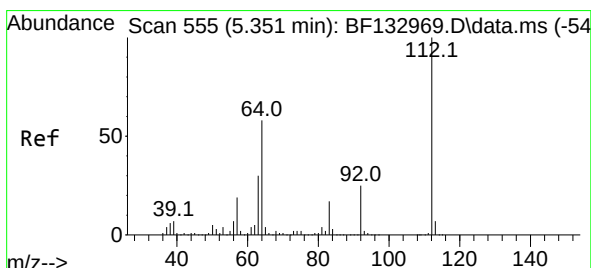
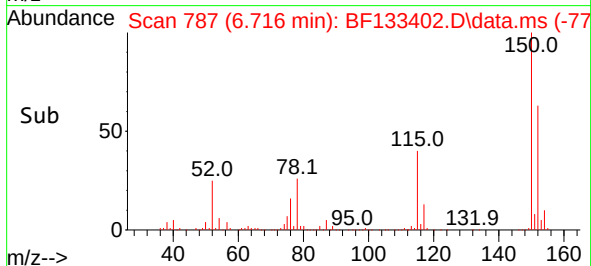
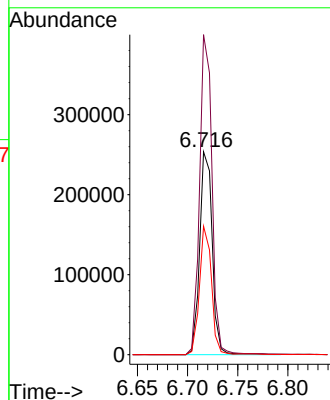
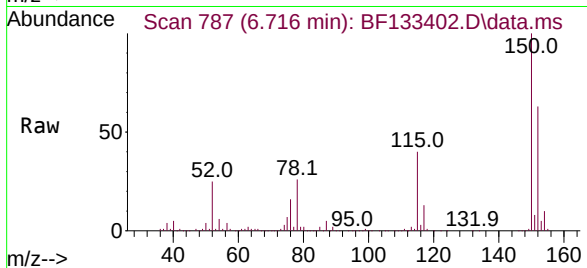




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.716 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF133402.D
 Acq: 16 May 2023 15:04

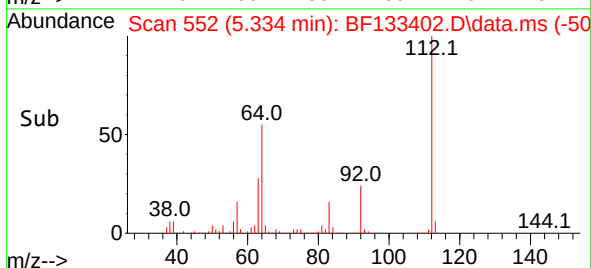
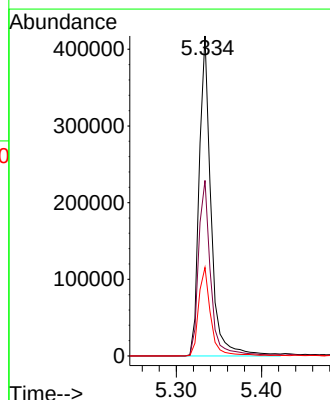
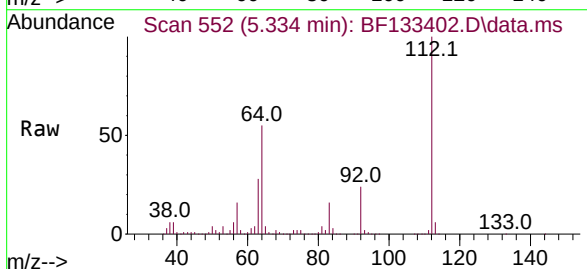
Instrument :
 BNA_F
 ClientSampleId :
 MGP-WASTE-WASTER-5/12/23RE

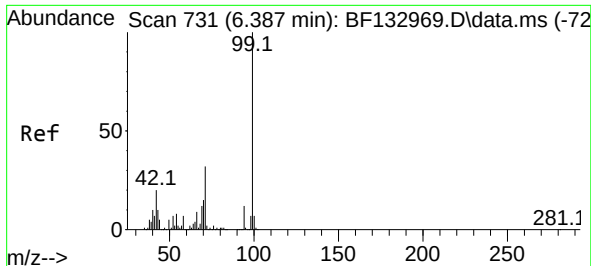
Tgt Ion:152 Resp: 221752
 Ion Ratio Lower Upper
 152 100
 150 157.8 124.8 187.2
 115 63.3 49.9 74.9



#5
 2-Fluorophenol
 Concen: 27.545 ng
 RT: 5.334 min Scan# 552
 Delta R.T. -0.000 min
 Lab File: BF133402.D
 Acq: 16 May 2023 15:04

Tgt Ion:112 Resp: 404355
 Ion Ratio Lower Upper
 112 100
 64 54.9 46.8 70.2
 63 27.7 23.8 35.8

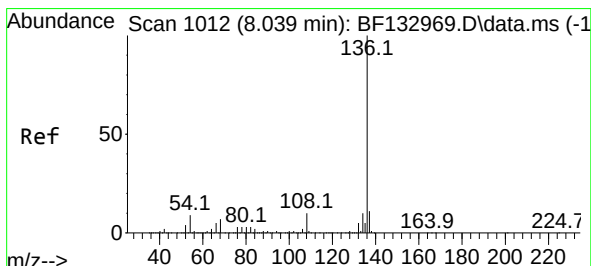
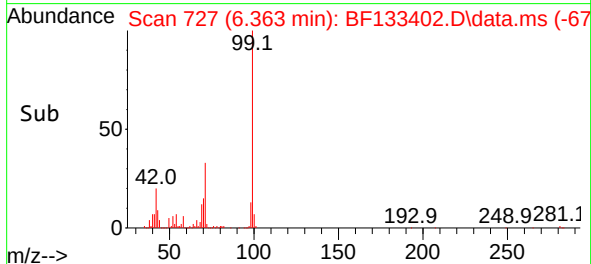
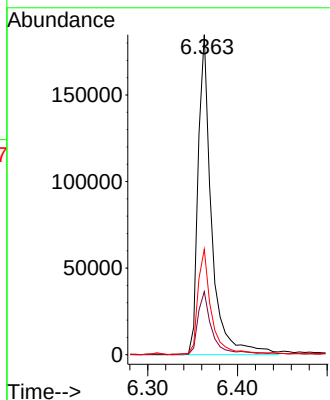
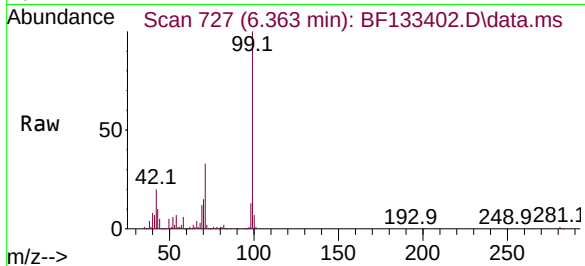




#7
Phenol-d6
Concen: 10.551 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

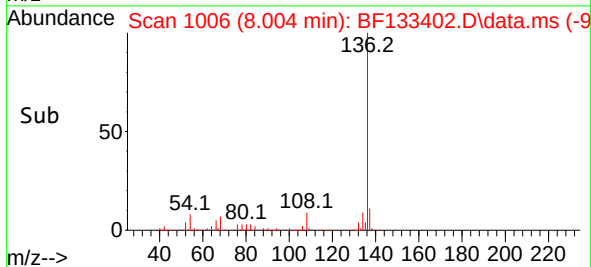
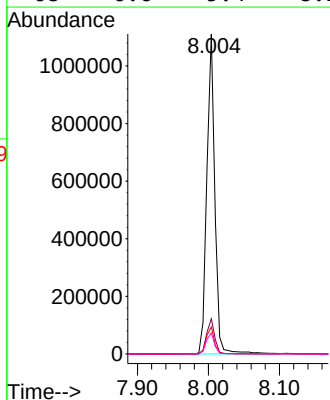
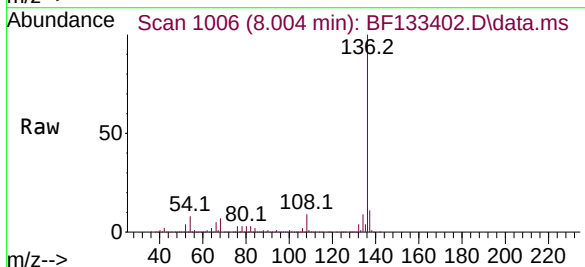
Instrument :
BNA_F
ClientSampleId :
MGP-WASTE-WASTER-5/12/23RE

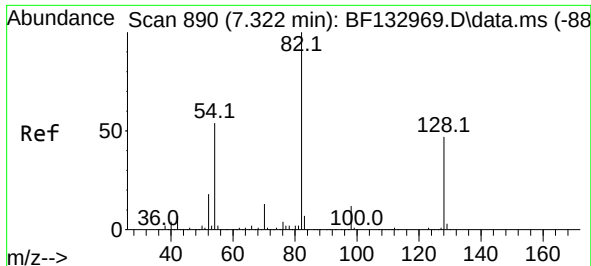
Tgt Ion: 99 Resp: 192243
Ion Ratio Lower Upper
99 100
42 19.7 16.3 24.5
71 33.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

Tgt Ion: 136 Resp: 876796
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.5 7.0 10.4
68 6.6 5.4 8.2





#23

Nitrobenzene-d5

Concen: 73.601 ng

RT: 7.286 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133402.D

Acq: 16 May 2023 15:04

Instrument :

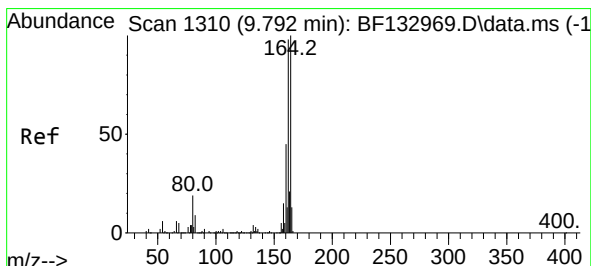
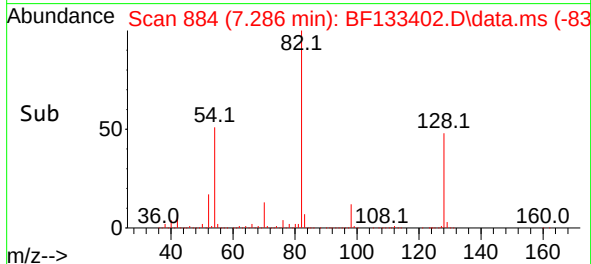
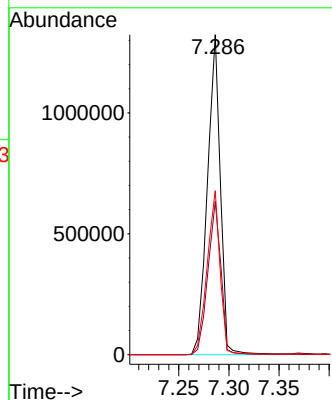
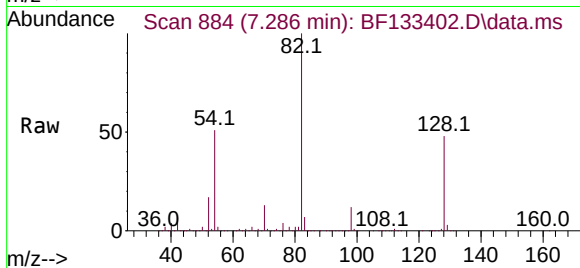
BNA_F

ClientSampleId :

MGP-WASTE-WASTER-5/12/23RE

Tgt Ion: 82 Resp: 1195575

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.7	56.5
54	51.2	43.0	64.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

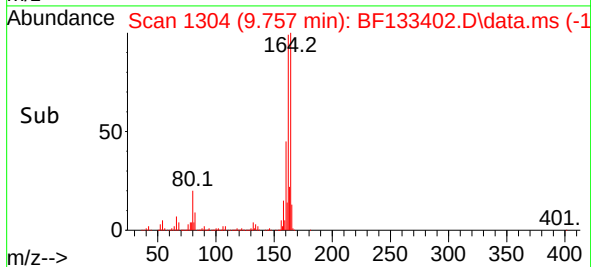
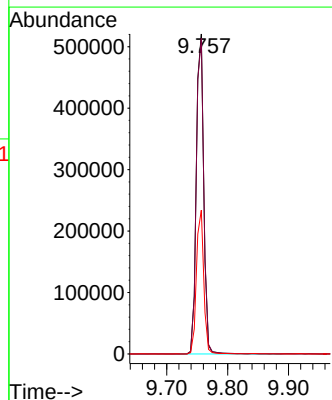
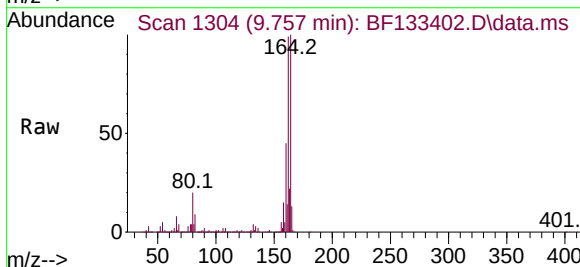
Delta R.T. -0.006 min

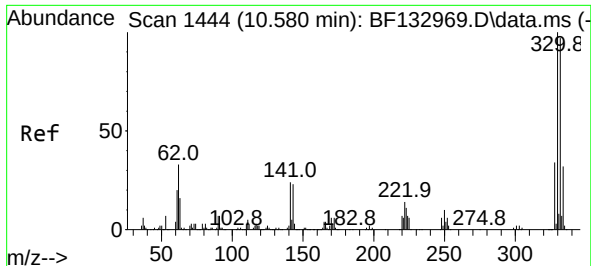
Lab File: BF133402.D

Acq: 16 May 2023 15:04

Tgt Ion: 164 Resp: 440578

Ion	Ratio	Lower	Upper
164	100		
162	98.6	78.7	118.1
160	44.9	35.8	53.6

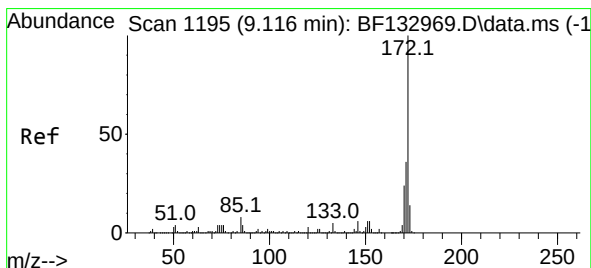
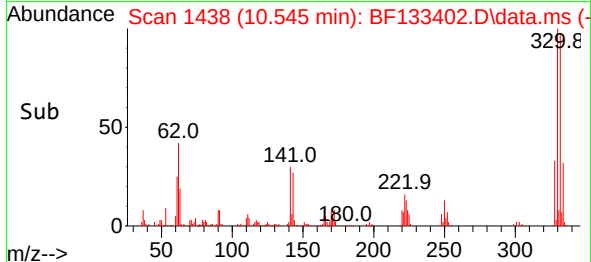
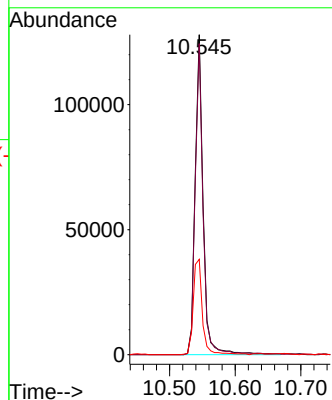
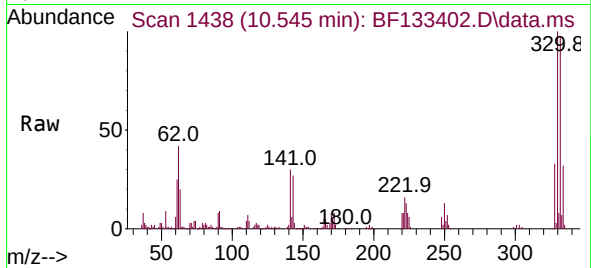




#42
2,4,6-Tribromophenol
Concen: 24.546 ng
RT: 10.545 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

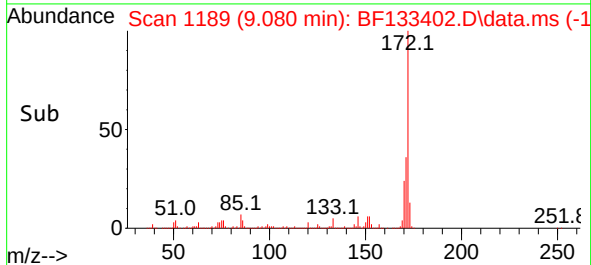
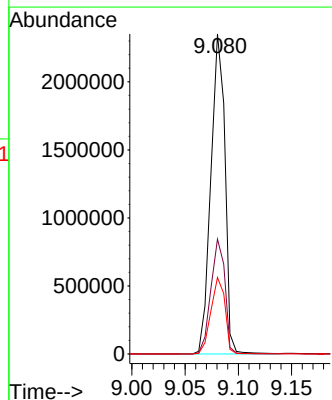
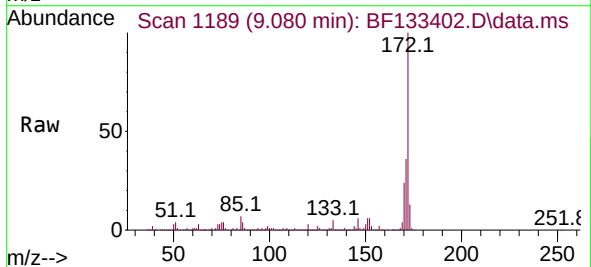
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BNA_F
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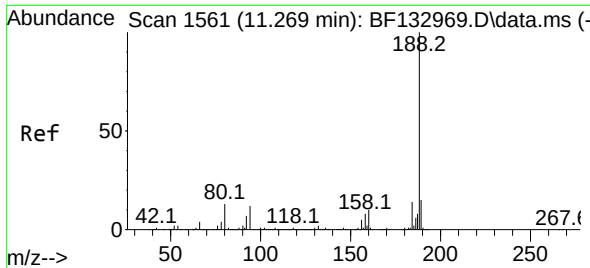
Tgt Ion:330 Resp: 108760
Ion Ratio Lower Upper
330 100
332 95.0 77.1 115.7
141 34.2 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 82.540 ng
RT: 9.080 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

Tgt Ion:172 Resp: 2173661
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.9 19.4 29.2

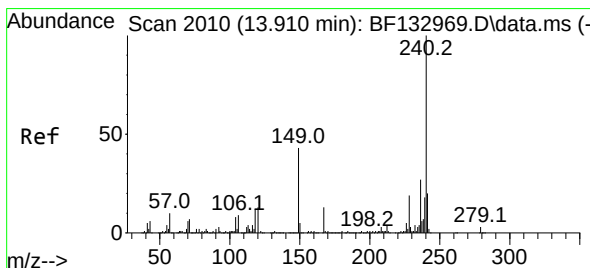
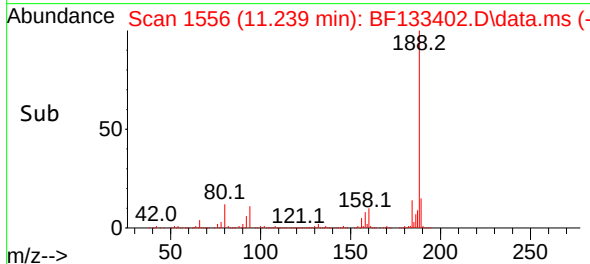
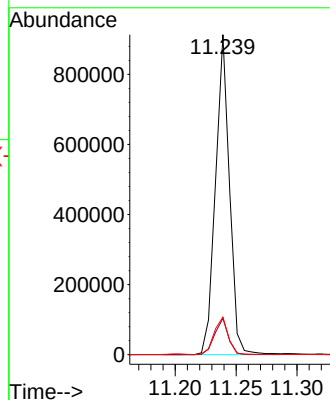
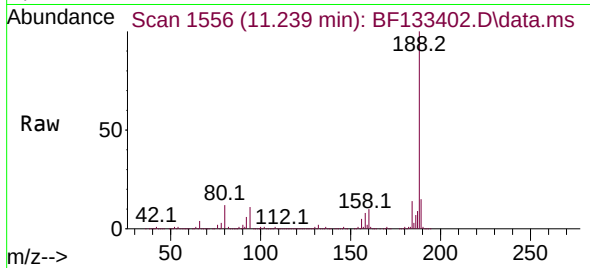




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

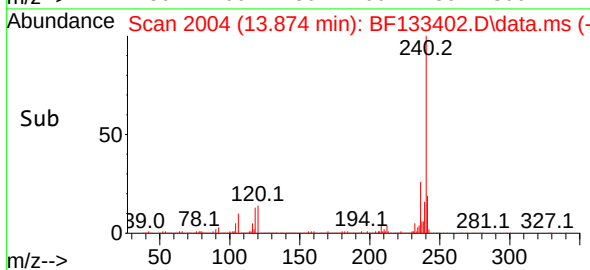
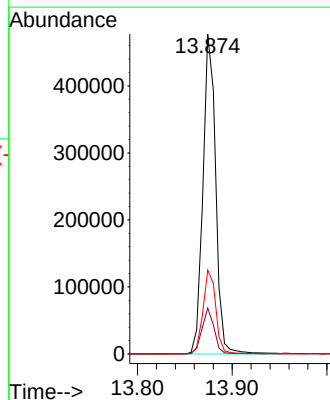
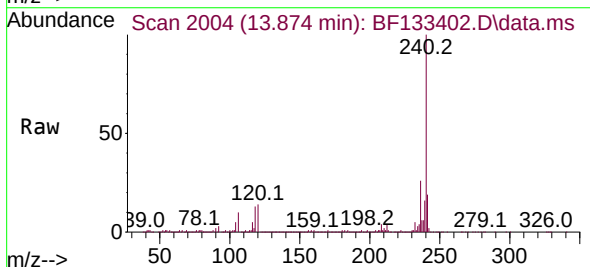
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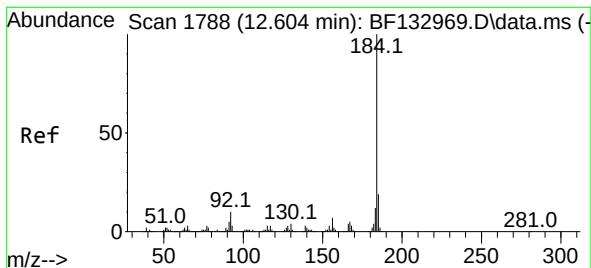
Tgt Ion:188 Resp: 731575
Ion Ratio Lower Upper
188 100
94 11.3 9.7 14.5
80 11.7 10.4 15.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133402.D
Acq: 16 May 2023 15:04

Tgt Ion:240 Resp: 448035
Ion Ratio Lower Upper
240 100
120 14.3 10.5 15.7
236 26.2 21.5 32.3





#77

Benzidine

Concen: 21.248 ng

RT: 12.574 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133402.D

Acq: 16 May 2023 15:04

Instrument :

BNA_F

ClientSampleId :

MGP-WASTE-WASTER-5/12/23RE

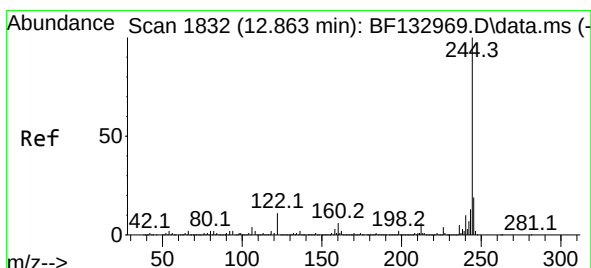
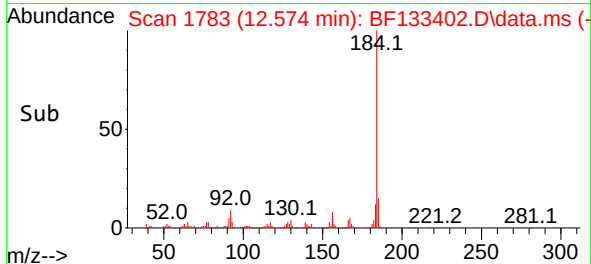
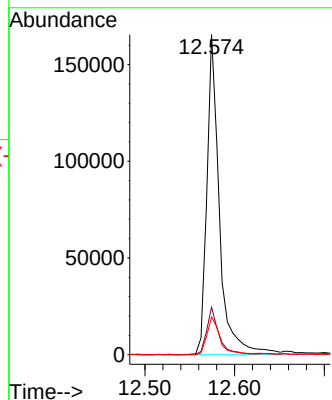
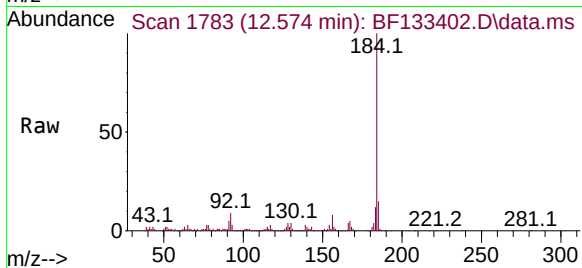
Tgt Ion:184 Resp: 160982

Ion Ratio Lower Upper

184 100

185 14.9 15.4 23.2#

183 11.8 9.4 14.0



#79

Terphenyl-d14

Concen: 75.747 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF133402.D

Acq: 16 May 2023 15:04

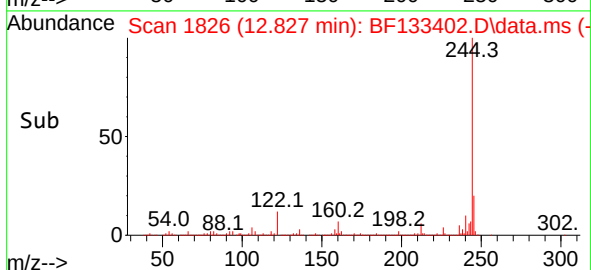
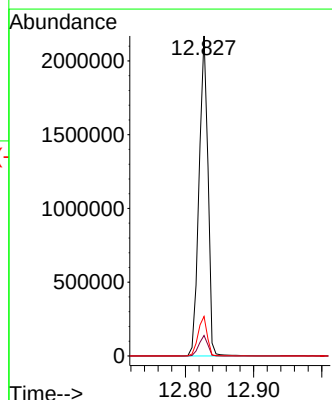
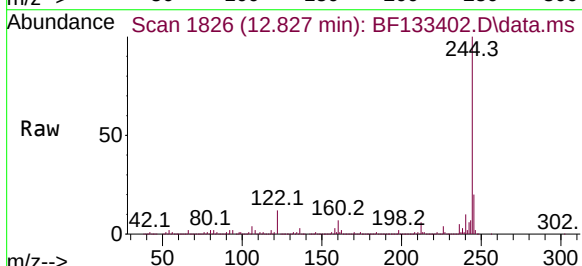
Tgt Ion:244 Resp: 1967753

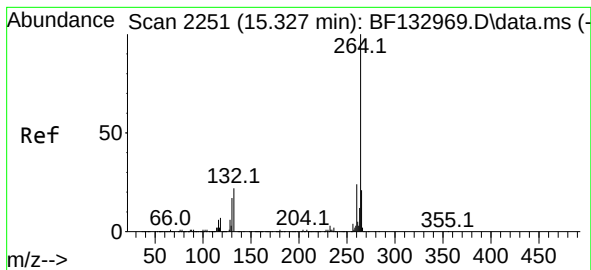
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 12.4 8.6 13.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.298 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133402.D

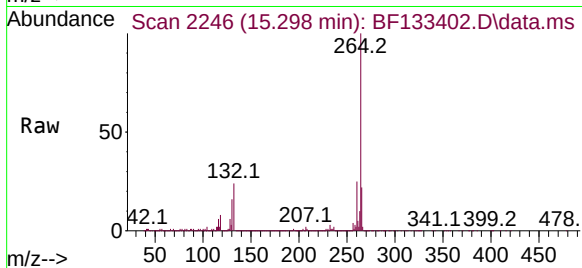
Acq: 16 May 2023 15:04

Instrument :

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ClientSampleId :

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Tgt Ion:264 Resp: 561317

Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

265 21.6 17.0 25.4

