

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
 Data File : BP014331.D
 Acq On : 28 Mar 2023 01:43
 Operator : CG/JU
 Sample : 02012-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-23-SB02

Quant Time: Mar 28 02:43:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 25 03:19:01 2023
 Response via : Initial Calibration

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

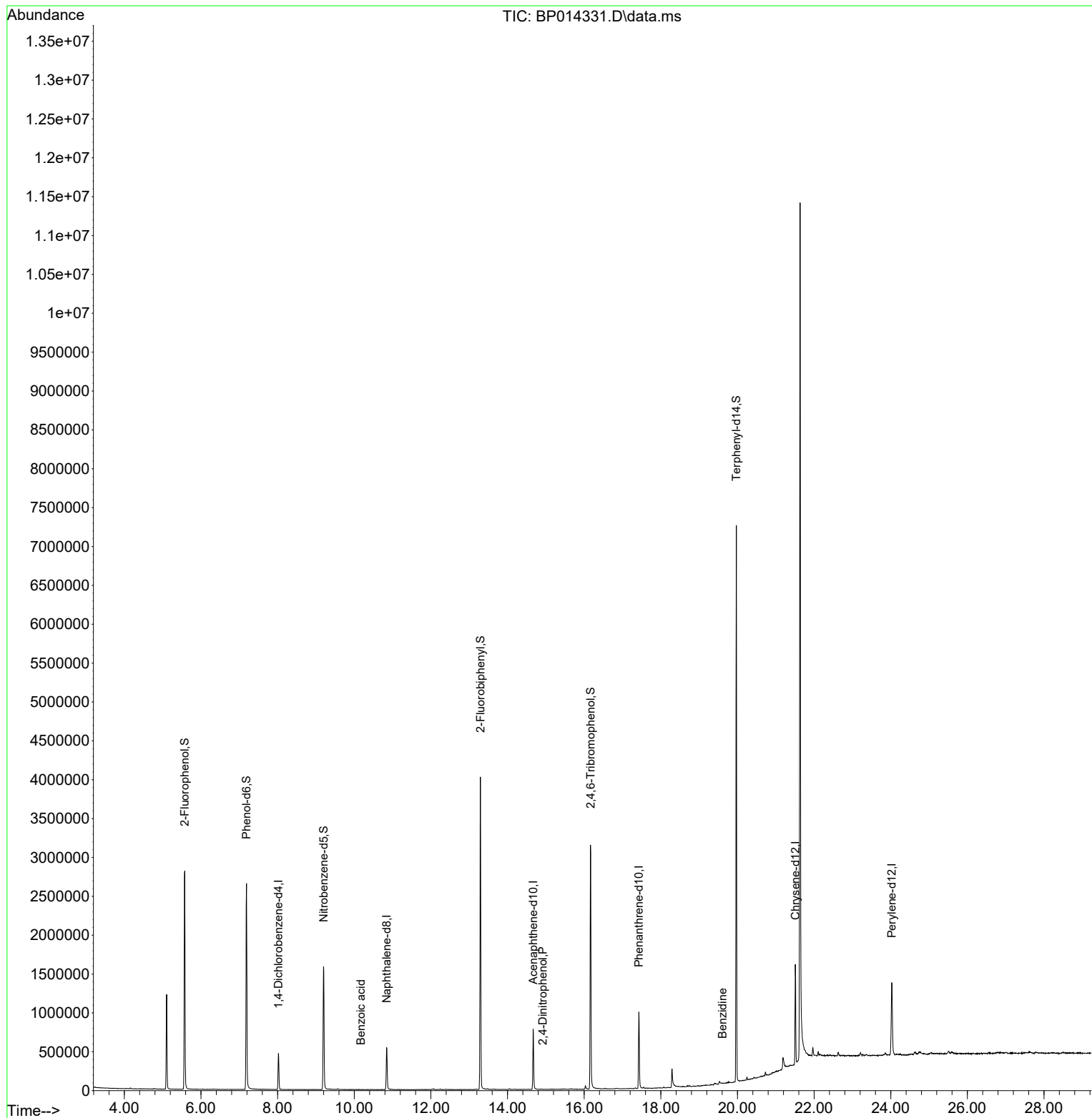
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.022	152	115417	20.000	ng	0.00
21) Naphthalene-d8	10.846	136	438869	20.000	ng	# 0.00
39) Acenaphthene-d10	14.669	164	267151	20.000	ng	0.00
64) Phenanthrene-d10	17.428	188	605272	20.000	ng	# 0.00
76) Chrysene-d12	21.510	240	617167	20.000	ng	# 0.00
86) Perylene-d12	24.027	264	747269	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1132836	159.177	ng	0.00
7) Phenol-d6	7.187	99	1473387	157.685	ng	0.00
23) Nitrobenzene-d5	9.199	82	963071	100.298	ng	-0.01
42) 2,4,6-Tribromophenol	16.169	330	615473	142.094	ng	0.00
45) 2-Fluorobiphenyl	13.293	172	1912009	92.725	ng	0.00
79) Terphenyl-d14	19.969	244	3210810	85.786	ng	0.00
Target Compounds						
32) Benzoic acid	10.175	122	8	2.703	ng	# 1
54) 2,4-Dinitrophenol	14.922	184	71	3.098	ng	91
77) Benzidine	19.610	184	76	2.840	ng	# 1

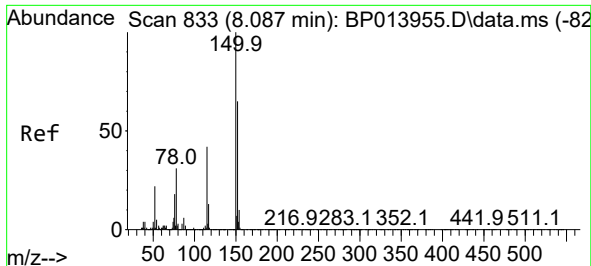
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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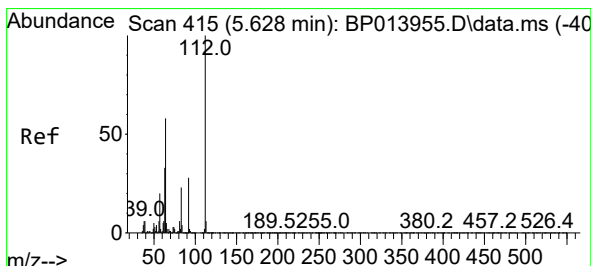
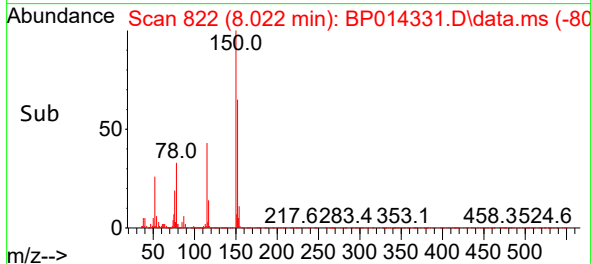
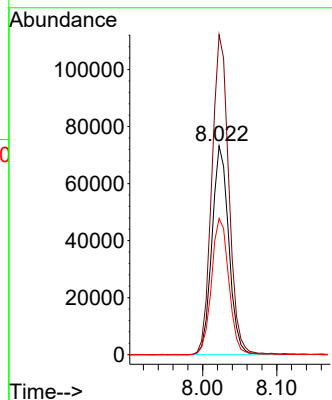
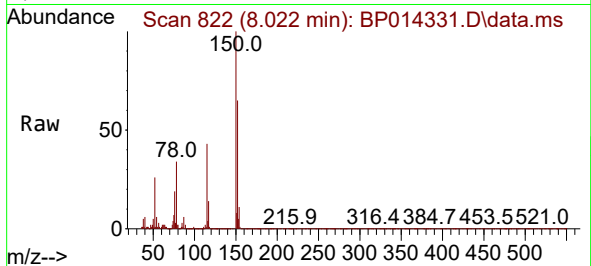




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.022 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP014331.D
Acq: 28 Mar 2023 01:43

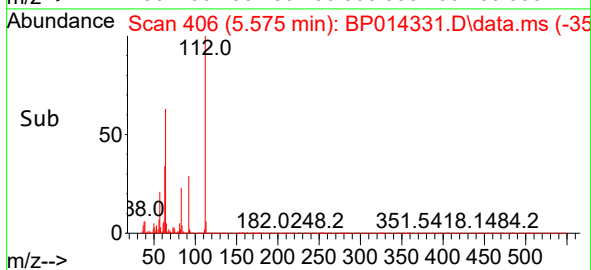
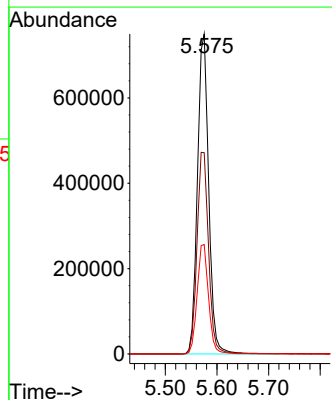
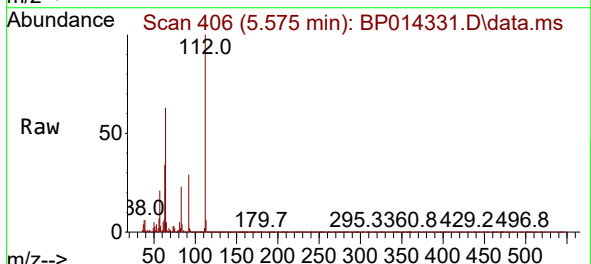
Instrument :
BNA_P
ClientSampleId :
B-23-SB02

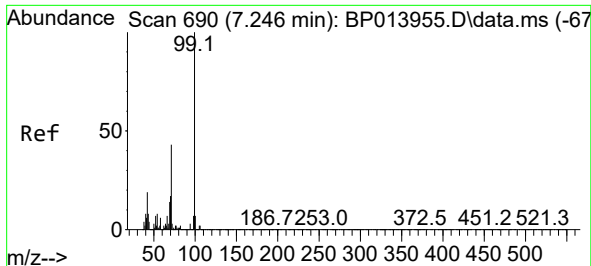
Tgt Ion:152 Resp: 115417
Ion Ratio Lower Upper
152 100
150 153.2 122.3 183.5
115 65.2 51.6 77.4



#5
2-Fluorophenol
Concen: 159.177 ng
RT: 5.575 min Scan# 406
Delta R.T. -0.000 min
Lab File: BP014331.D
Acq: 28 Mar 2023 01:43

Tgt Ion:112 Resp: 1132836
Ion Ratio Lower Upper
112 100
64 62.9 46.7 70.1
63 34.2 26.6 40.0

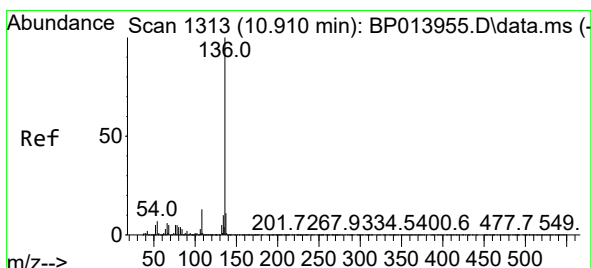
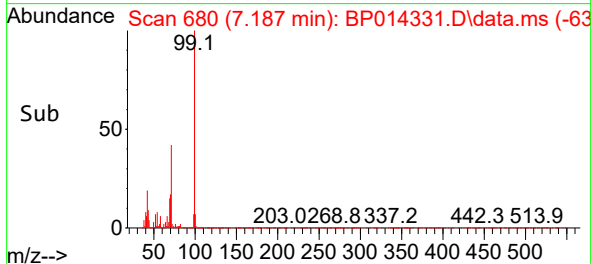
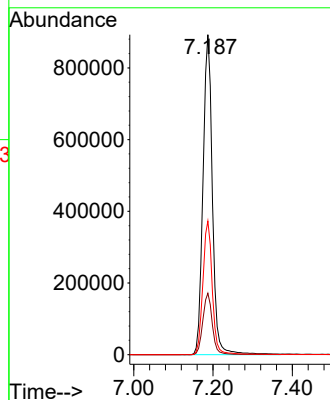
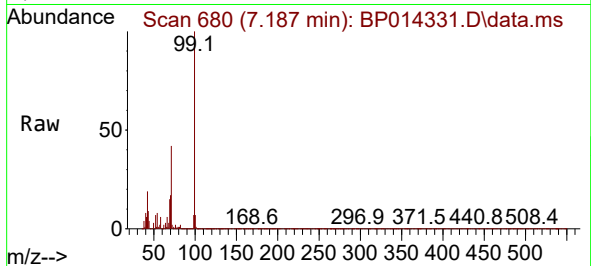




#7
Phenol-d6
Concen: 157.685 ng
RT: 7.187 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP014331.D
Acq: 28 Mar 2023 01:43

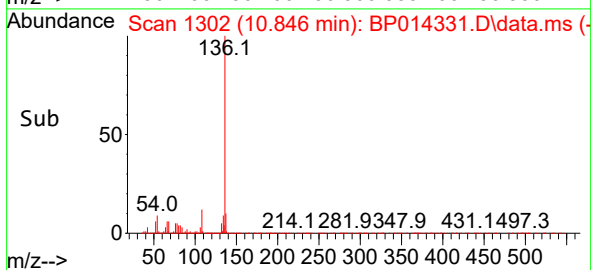
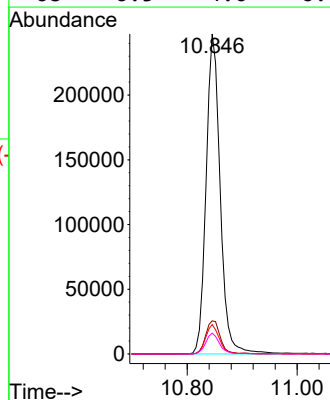
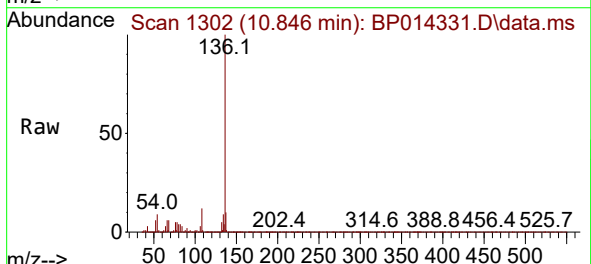
Instrument :
BNA_P
ClientSampleId :
B-23-SB02

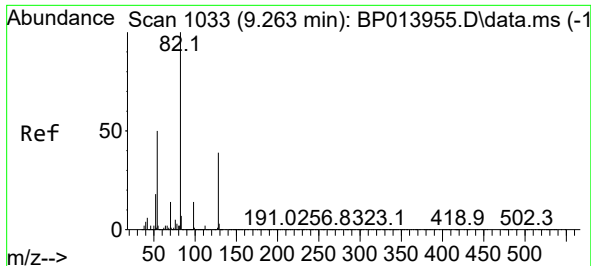
Tgt Ion: 99 Resp: 1473387
Ion Ratio Lower Upper
99 100
42 19.2 15.0 22.6
71 41.8 34.3 51.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.846 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BP014331.D
Acq: 28 Mar 2023 01:43

Tgt Ion: 136 Resp: 438869
Ion Ratio Lower Upper
136 100
137 10.3 8.7 13.1
54 9.2 5.8 8.8#
68 6.5 4.0 6.0#

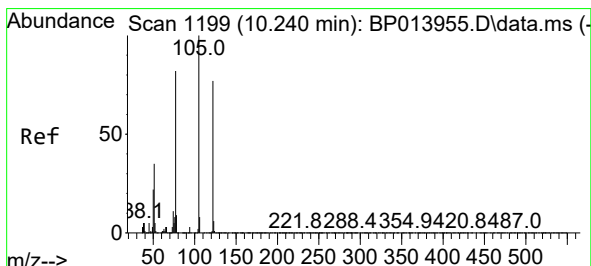
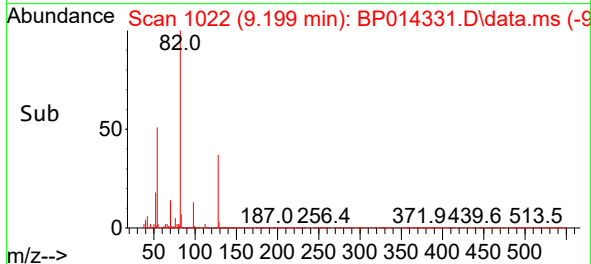
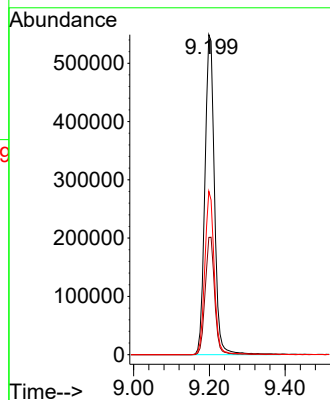
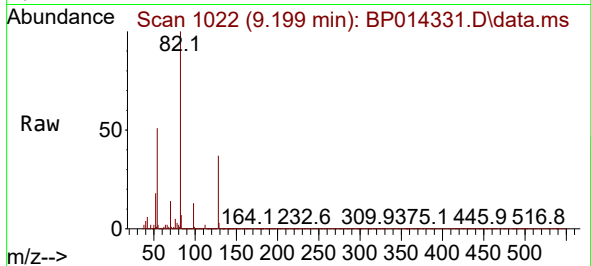




#23
Nitrobenzene-d5
Concen: 100.298 ng
RT: 9.199 min Scan# 1188
Delta R.T. -0.012 min
Lab File: BP014331.D
Acq: 28 Mar 2023 01:43

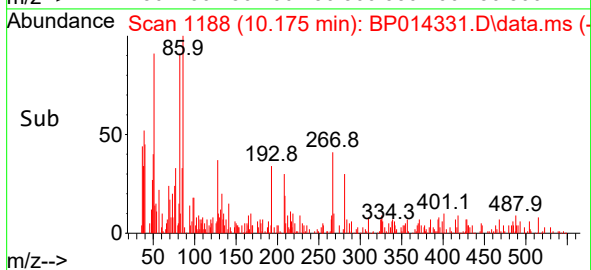
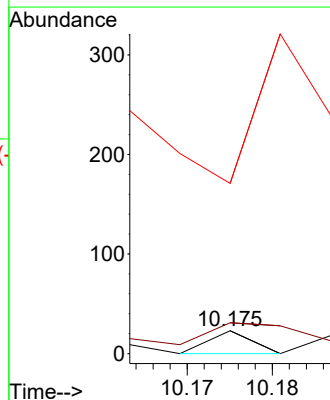
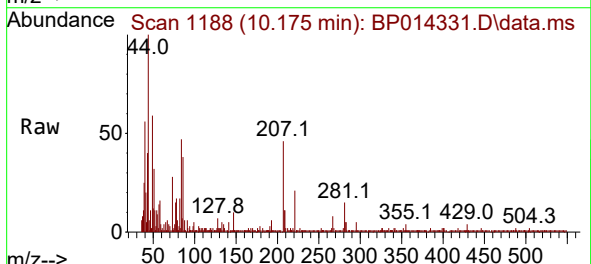
Instrument :
BNA_P
ClientSampleId :
B-23-SB02

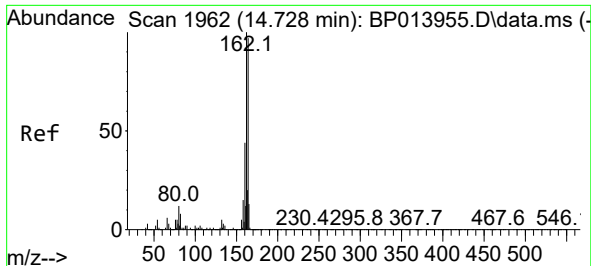
Tgt Ion: 82 Resp: 963071
Ion Ratio Lower Upper
82 100
128 36.7 31.1 46.7
54 51.0 40.0 60.0



#32
Benzoic acid
Concen: 2.703 ng
RT: 10.175 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BP014331.D
Acq: 28 Mar 2023 01:43

Tgt Ion:122 Resp: 8
Ion Ratio Lower Upper
122 100
105 134.8 108.2 148.2
77 743.5 85.2 125.2#

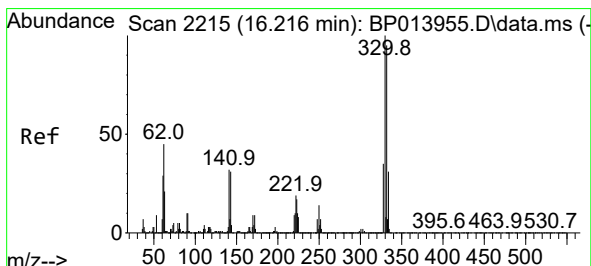
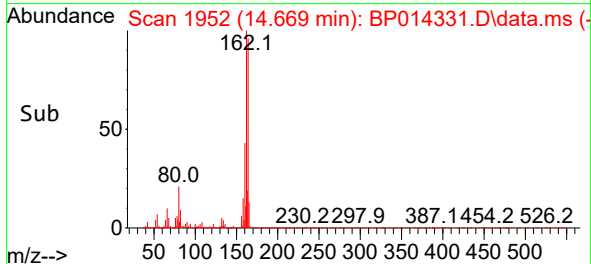
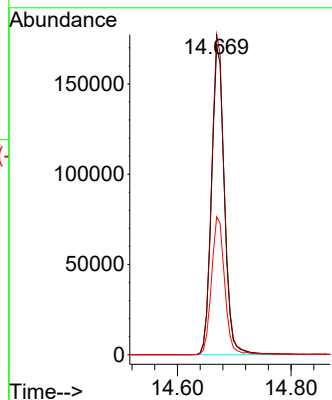
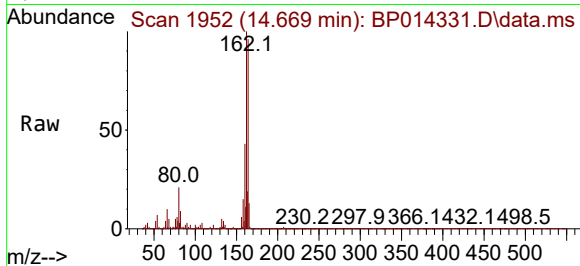




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.669 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BP014331.D
Acq: 28 Mar 2023 01:43

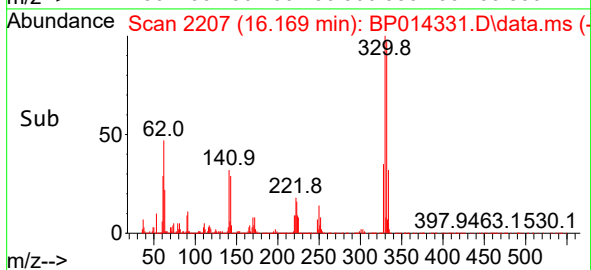
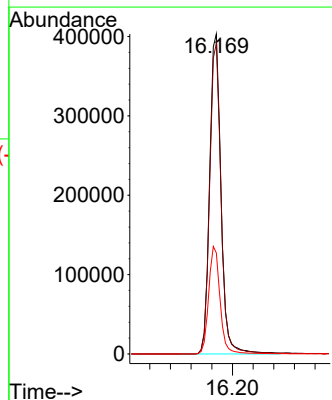
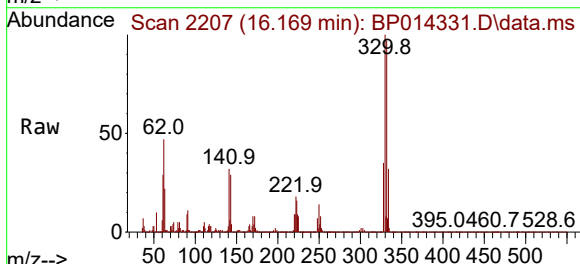
Instrument :
BNA_P
ClientSampleId :
B-23-SB02

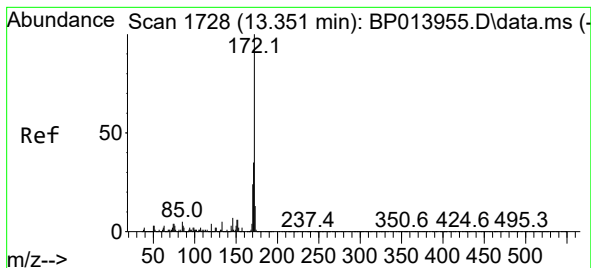
Tgt Ion:164 Resp: 267151
Ion Ratio Lower Upper
164 100
162 103.7 82.1 123.1
160 44.7 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 142.094 ng
RT: 16.169 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BP014331.D
Acq: 28 Mar 2023 01:43

Tgt Ion:330 Resp: 615473
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 34.0 25.6 38.4





#45

2-Fluorobiphenyl

Concen: 92.725 ng

RT: 13.293 min Scan# 1

Delta R.T. -0.006 min

Lab File: BP014331.D

Acq: 28 Mar 2023 01:43

Instrument :

BNA_P

ClientSampleId :

B-23-SB02

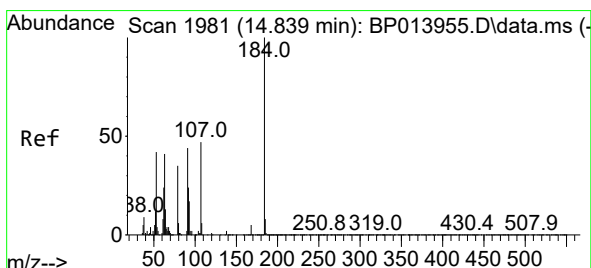
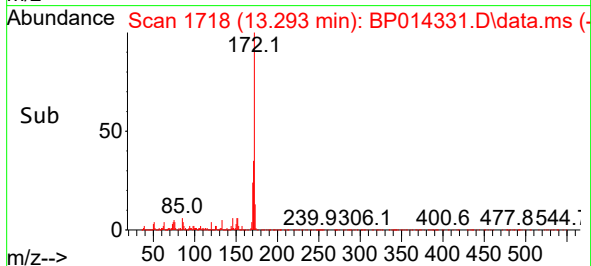
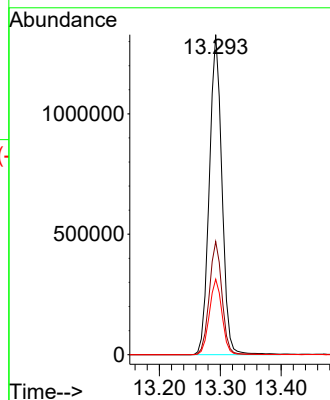
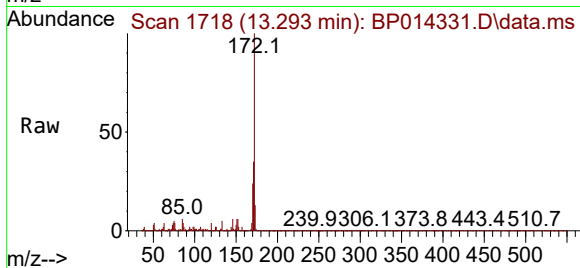
Tgt Ion:172 Resp: 1912009

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.6 19.0 28.4



#54

2,4-Dinitrophenol

Concen: 3.098 ng

RT: 14.922 min Scan# 1995

Delta R.T. 0.124 min

Lab File: BP014331.D

Acq: 28 Mar 2023 01:43

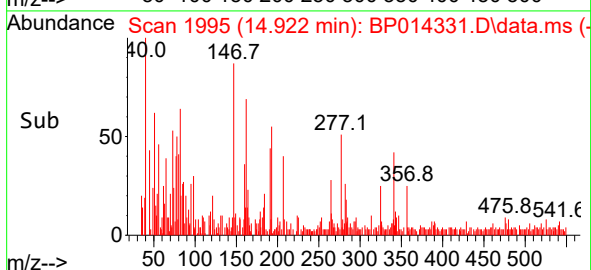
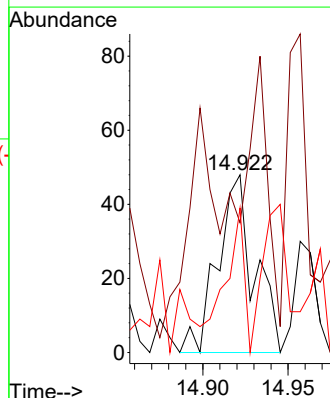
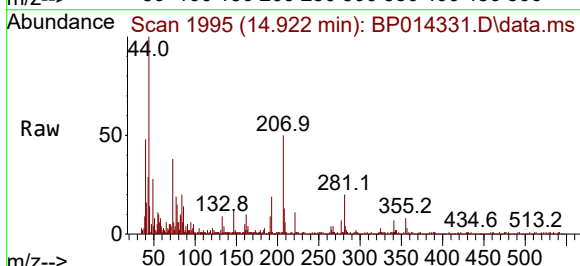
Tgt Ion:184 Resp: 71

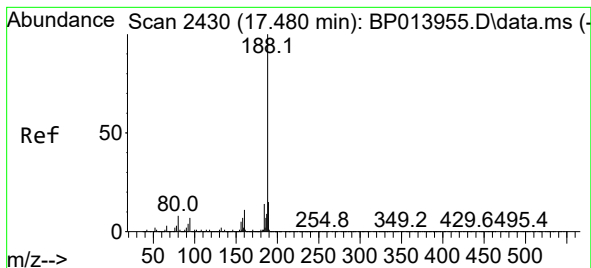
Ion Ratio Lower Upper

184 100

63 72.9 52.4 78.6

154 81.3 59.4 89.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.428 min Scan# 24

Delta R.T. -0.006 min

Lab File: BP014331.D

Acq: 28 Mar 2023 01:43

Instrument :

BNA_P

ClientSampleId :

B-23-SB02

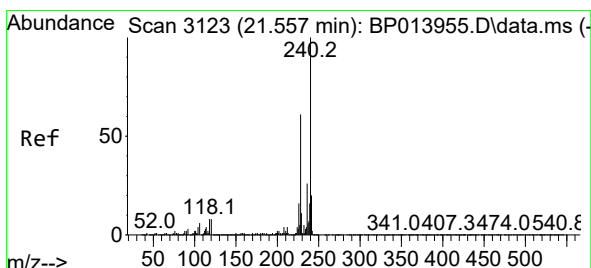
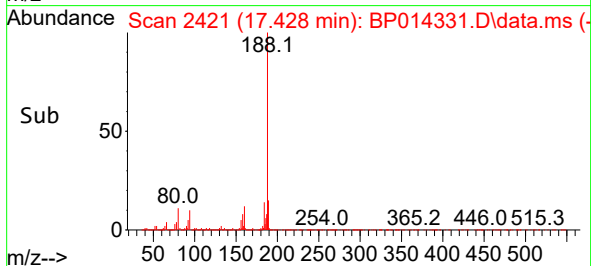
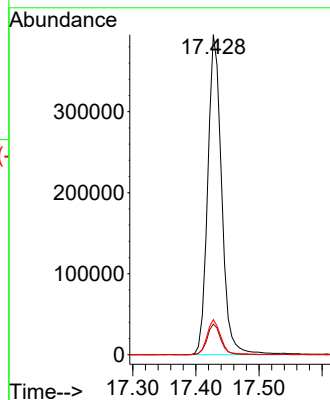
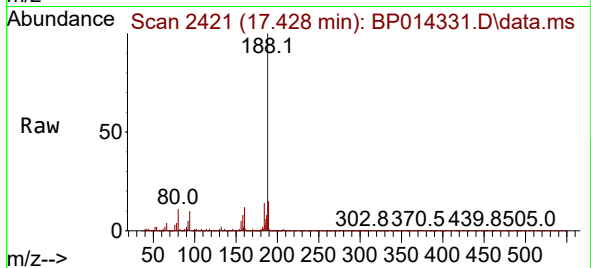
Tgt Ion:188 Resp: 605272

Ion Ratio Lower Upper

188 100

94 9.6 5.8 8.6#

80 11.0 6.6 9.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.510 min Scan# 3115

Delta R.T. -0.006 min

Lab File: BP014331.D

Acq: 28 Mar 2023 01:43

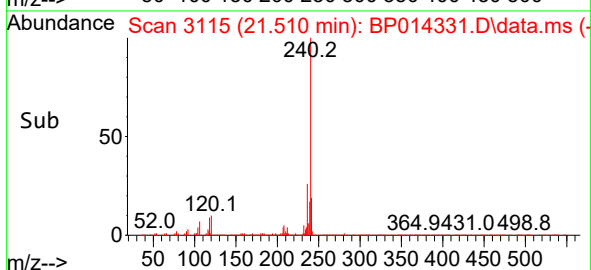
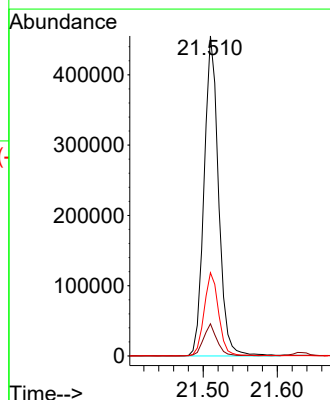
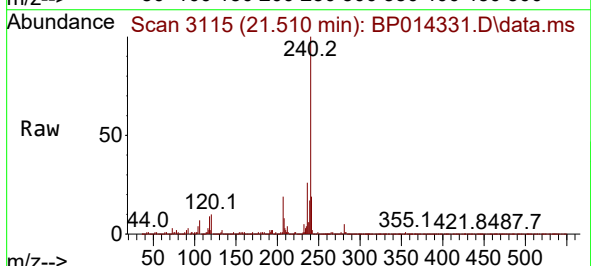
Tgt Ion:240 Resp: 617167

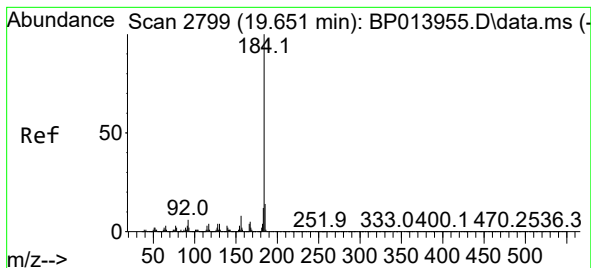
Ion Ratio Lower Upper

240 100

120 10.1 6.4 9.6#

236 26.0 21.2 31.8





#77

Benzidine

Concen: 2.840 ng

RT: 19.610 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP014331.D

Acq: 28 Mar 2023 01:43

Instrument :

BNA_P

ClientSampleId :

B-23-SB02

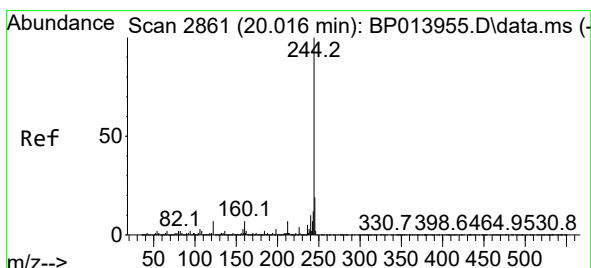
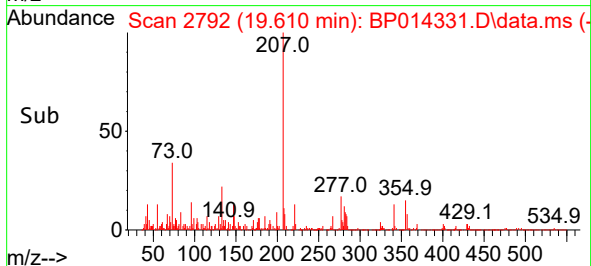
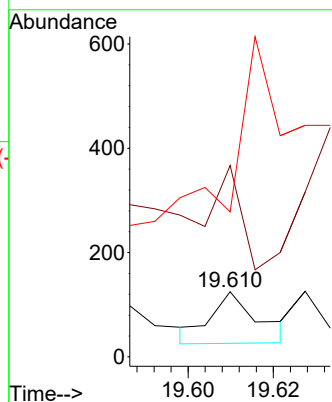
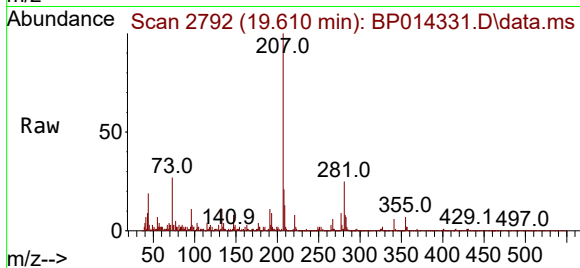
Tgt Ion:184 Resp: 76

Ion Ratio Lower Upper

184 100

185 293.6 11.6 17.4#

183 222.4 9.7 14.5#



#79

Terphenyl-d14

Concen: 85.786 ng

RT: 19.969 min Scan# 2853

Delta R.T. -0.006 min

Lab File: BP014331.D

Acq: 28 Mar 2023 01:43

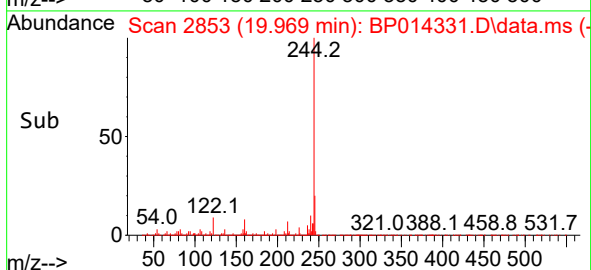
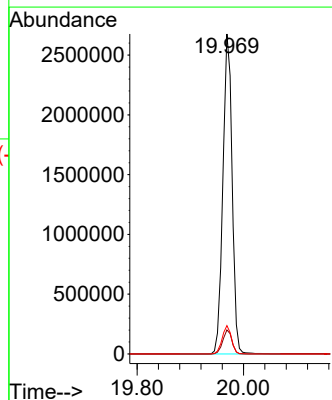
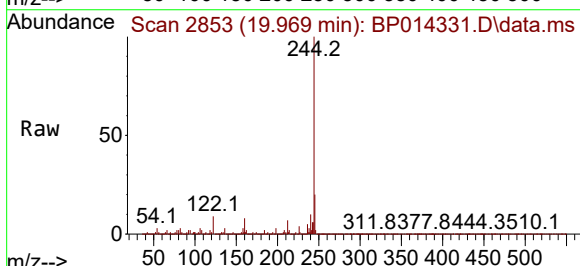
Tgt Ion:244 Resp: 3210810

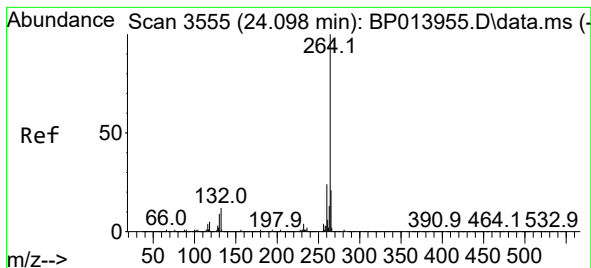
Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 8.8 5.8 8.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.027 min Scan# 3

Delta R.T. -0.006 min

Lab File: BP014331.D

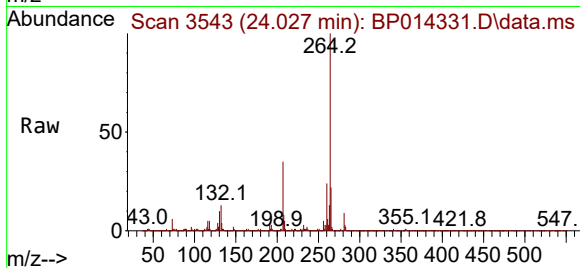
Acq: 28 Mar 2023 01:43

Instrument :

BNA_P

ClientSampleId :

B-23-SB02



Tgt Ion:264 Resp: 747269

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 22.1 17.8 26.8

