

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052623\
 Data File : BP015323.D
 Acq On : 26 May 2023 23:02
 Operator : CG/JU
 Sample : 02919-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 IMPACTED-STONE

Quant Time: May 29 02:09:22 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 01:41:43 2023
 Response via : Initial Calibration

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

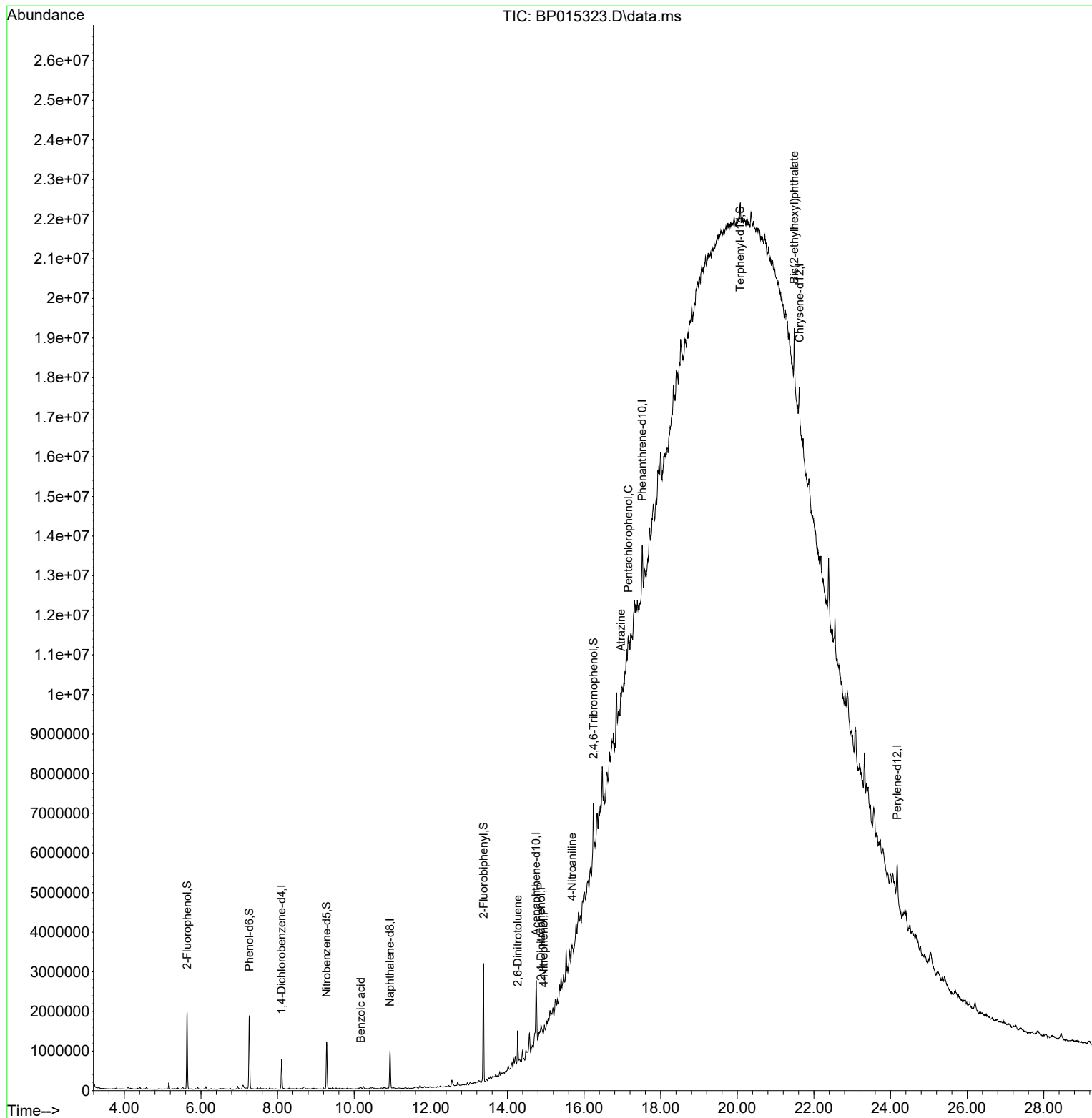
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.104	152	196253	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	762731	20.000	ng	0.00
39) Acenaphthene-d10	14.751	164	409013	20.000	ng	0.00
64) Phenanthrene-d10	17.516	188	569049	20.000	ng	# 0.01
76) Chrysene-d12	21.621	240	574921	20.000	ng	# 0.04
86) Perylene-d12	24.174	264	831706	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.640	112	809611	68.359	ng	0.00
7) Phenol-d6	7.263	99	1037019	66.814	ng	0.00
23) Nitrobenzene-d5	9.281	82	675895	43.267	ng	-0.01
42) 2,4,6-Tribromophenol	16.245	330	369509	66.480	ng	0.00
45) 2-Fluorobiphenyl	13.375	172	1484247	48.719	ng	0.00
79) Terphenyl-d14	20.074	244	1008506	32.995	ng	0.04
Target Compounds						
						Qvalue
9) Benzaldehyde	7.234	77	6938	Below Cal	#	69
32) Benzoic acid	10.175	122	16837	7.955	ng	96
51) 2,6-Dinitrotoluene	14.269	165	105906	15.676	ng	# 26
54) 2,4-Dinitrophenol	14.880	184	102	5.208	ng	# 1
56) 4-Nitrophenol	14.945	139	1875	3.725	ng	# 1
62) 4-Nitroaniline	15.686	138	7233	3.233	ng	91
69) Atrazine	16.963	200	23197	4.284	ng	# 1
70) Pentachlorophenol	17.157	266	10883	2.344	ng	# 23
84) Bis(2-ethylhexyl)phtha...	21.486	149	823091	32.058	ng	# 92

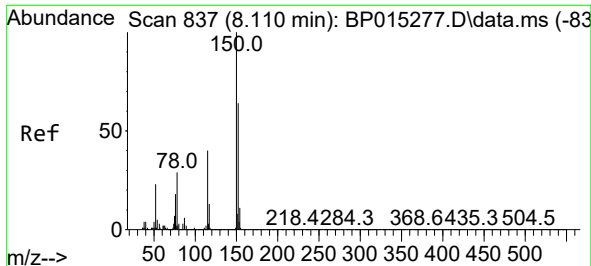
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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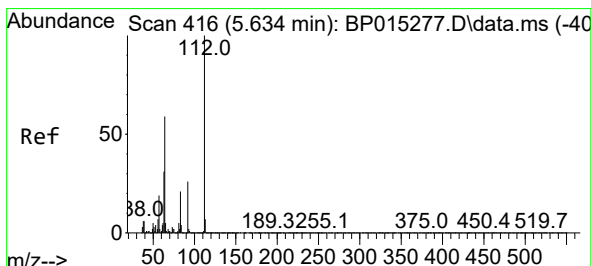
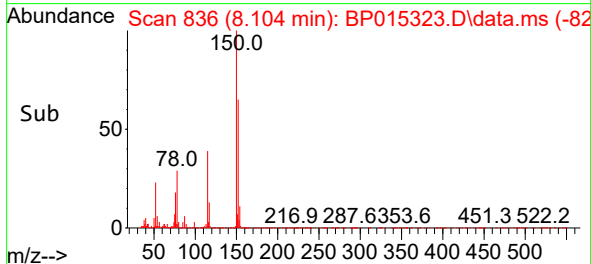
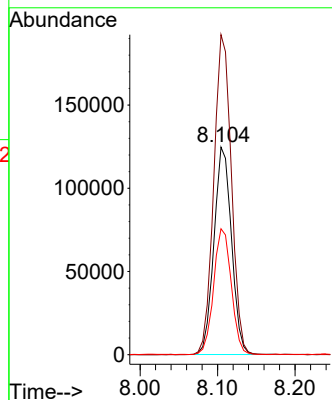
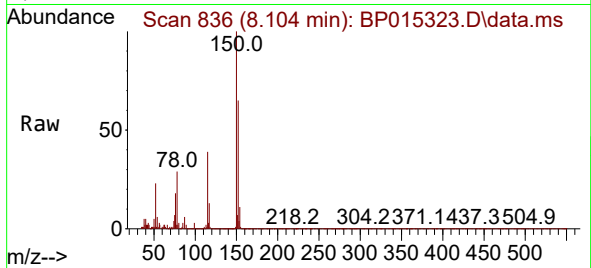




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.104 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP015323.D
Acq: 26 May 2023 23:02

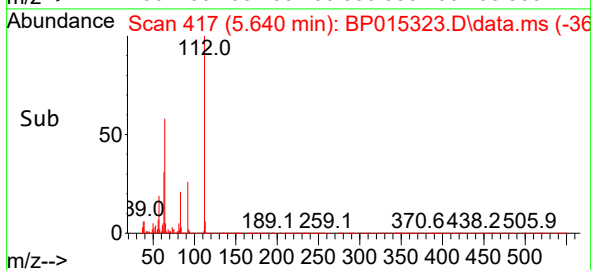
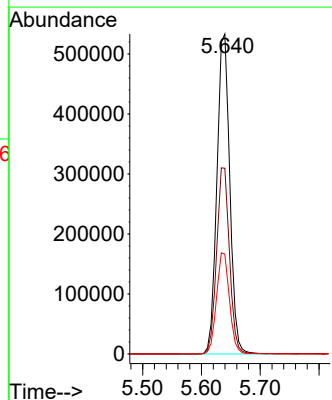
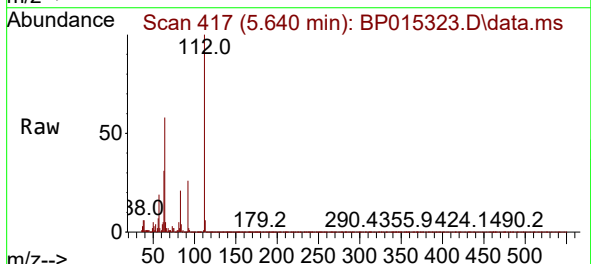
Instrument :
BNA_P
ClientSampleId :
IMPACTED-STONE

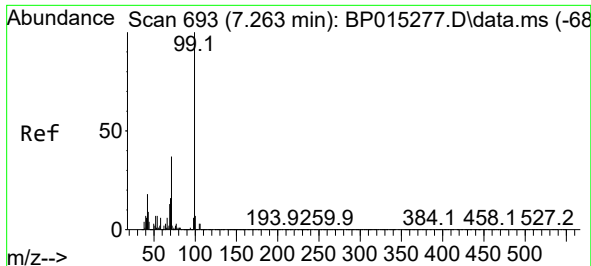
Tgt Ion:152 Resp: 196253
Ion Ratio Lower Upper
152 100
150 154.2 124.2 186.2
115 60.6 49.1 73.7



#5
2-Fluorophenol
Concen: 68.359 ng
RT: 5.640 min Scan# 417
Delta R.T. 0.006 min
Lab File: BP015323.D
Acq: 26 May 2023 23:02

Tgt Ion:112 Resp: 809611
Ion Ratio Lower Upper
112 100
64 58.1 47.2 70.8
63 31.2 24.6 37.0



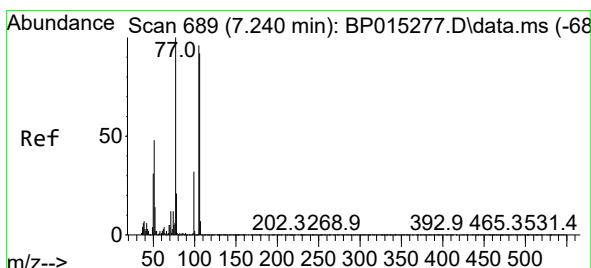
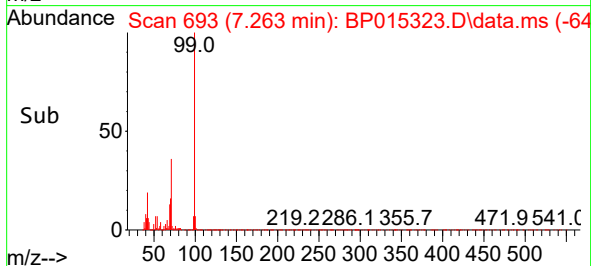
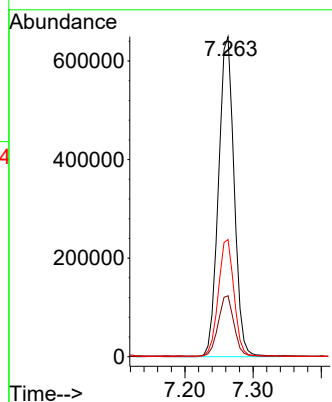
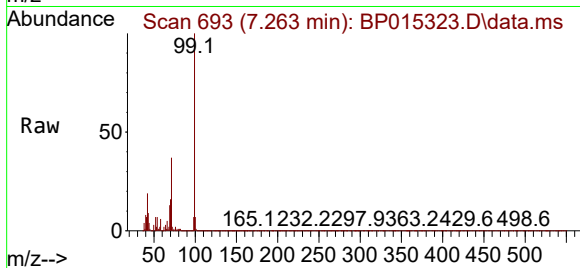


#7
Phenol-d6
Concen: 66.814 ng
RT: 7.263 min Scan# 693
Delta R.T. -0.000 min
Lab File: BP015323.D
Acq: 26 May 2023 23:02

Instrument :
BNA_P
ClientSampleId :
IMPACTED-STONE

Tgt Ion: 99 Resp: 1037019

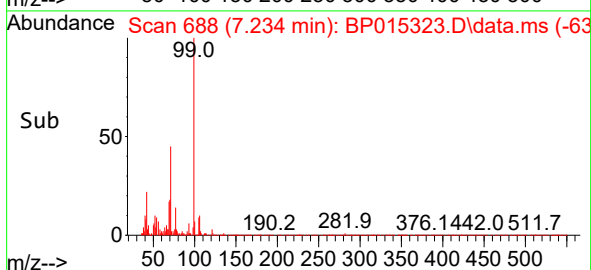
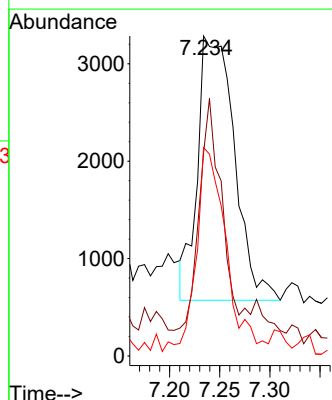
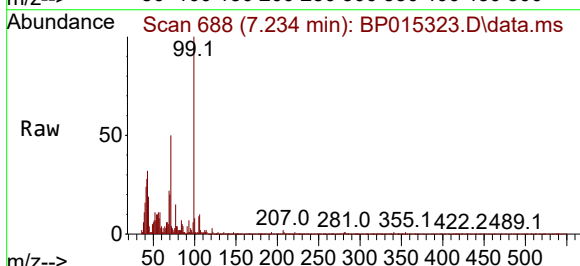
Ion	Ratio	Lower	Upper
99	100		
42	19.1	14.6	22.0
71	36.6	29.4	44.2

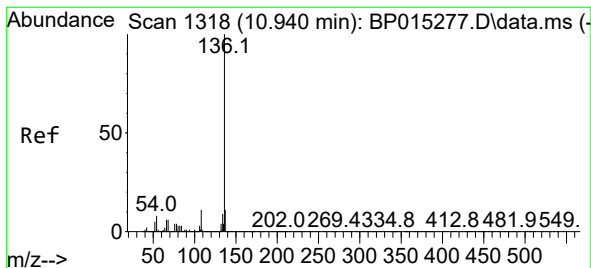


#9
Benzaldehyde
Concen: Below Cal
RT: 7.234 min Scan# 688
Delta R.T. -0.006 min
Lab File: BP015323.D
Acq: 26 May 2023 23:02

Tgt Ion: 77 Resp: 6938

Ion	Ratio	Lower	Upper
77	100		
105	63.4	75.9	115.9#
106	65.1	72.3	112.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.934 min Scan# 11

Delta R.T. -0.006 min

Lab File: BP015323.D

Acq: 26 May 2023 23:02

Instrument :

BNA_P

ClientSampleId :

IMPACTED-STONE

Tgt Ion:136 Resp: 762731

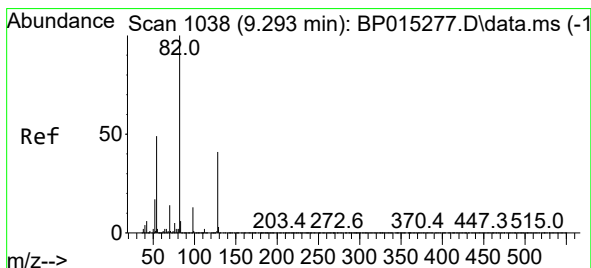
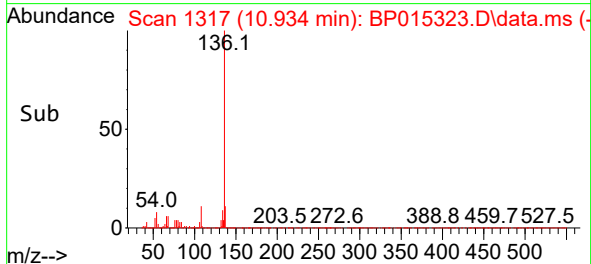
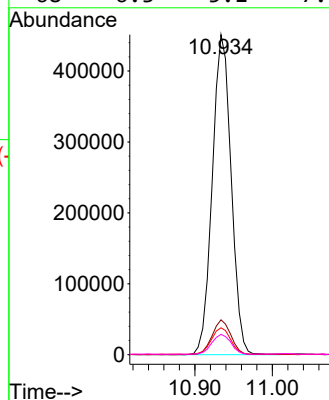
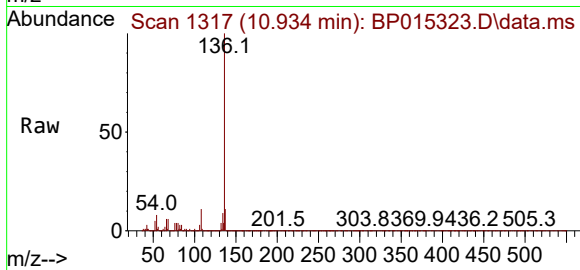
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.4 6.3 9.5

68 6.3 5.1 7.7



#23

Nitrobenzene-d5

Concen: 43.267 ng

RT: 9.281 min Scan# 1036

Delta R.T. -0.012 min

Lab File: BP015323.D

Acq: 26 May 2023 23:02

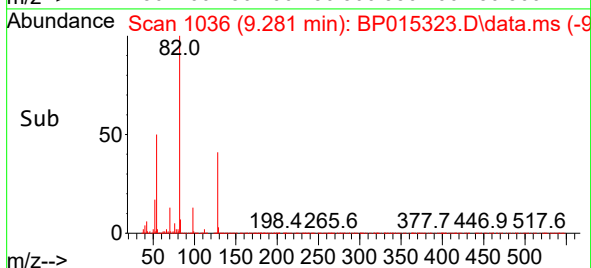
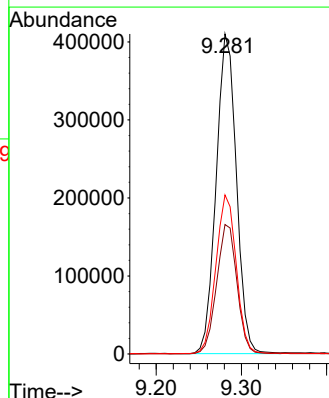
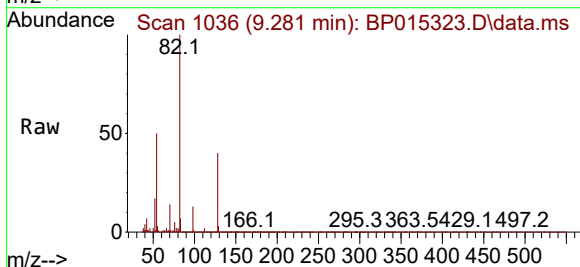
Tgt Ion: 82 Resp: 675895

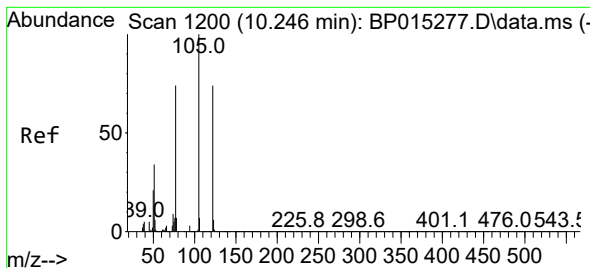
Ion Ratio Lower Upper

82 100

128 40.5 33.0 49.4

54 49.7 39.2 58.8





#32

Benzoic acid

Concen: 7.955 ng

RT: 10.175 min Scan# 1188

Delta R.T. -0.071 min

Lab File: BP015323.D

Acq: 26 May 2023 23:02

Instrument :

BNA_P

ClientSampleId :

IMPACTED-STONE

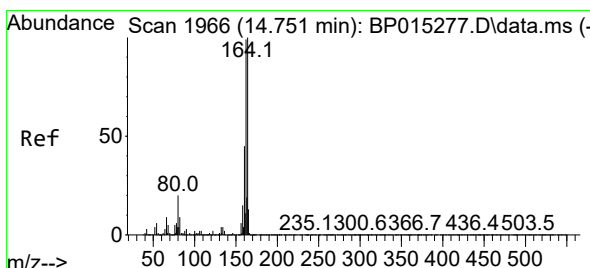
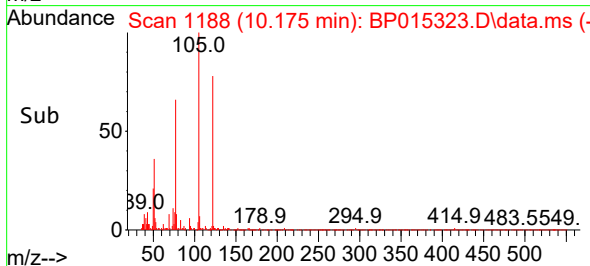
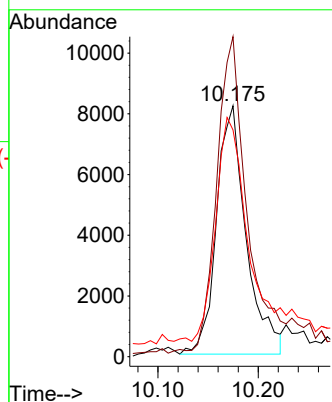
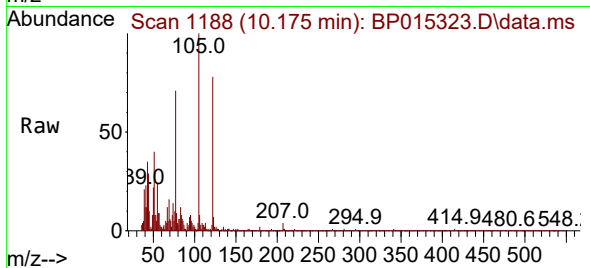
Tgt Ion:122 Resp: 16837

Ion Ratio Lower Upper

122 100

105 127.6 109.5 149.5

77 90.4 78.2 118.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.751 min Scan# 1966

Delta R.T. -0.000 min

Lab File: BP015323.D

Acq: 26 May 2023 23:02

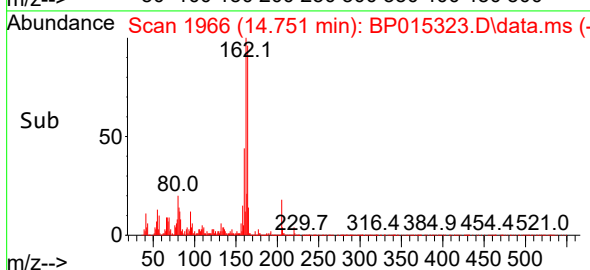
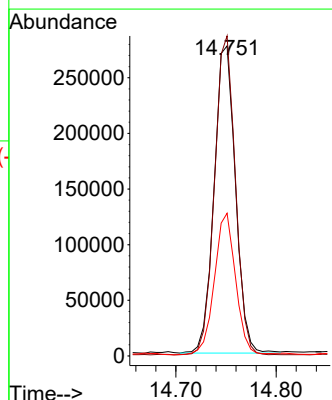
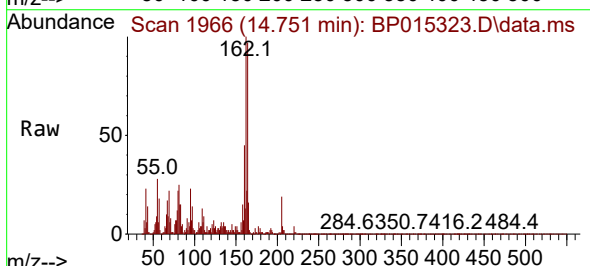
Tgt Ion:164 Resp: 409013

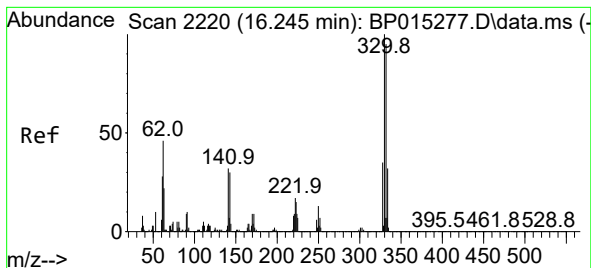
Ion Ratio Lower Upper

164 100

162 103.2 79.4 119.2

160 46.0 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 66.480 ng

RT: 16.245 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP015323.D

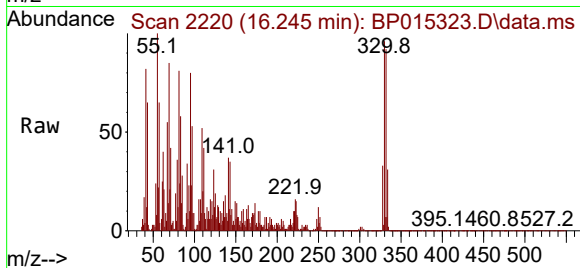
Acq: 26 May 2023 23:02

Instrument :

BNA_P

ClientSampleId :

IMPACTED-STONE



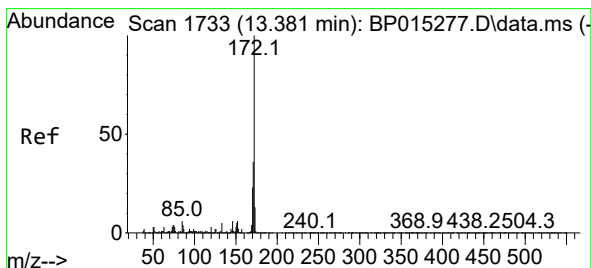
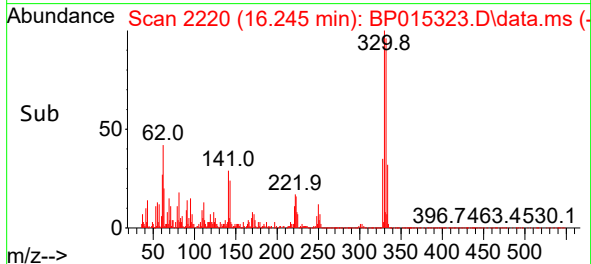
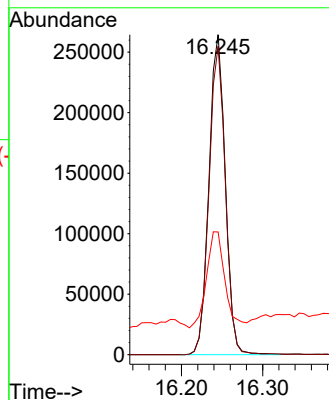
Tgt Ion:330 Resp: 369509

Ion Ratio Lower Upper

330 100

332 96.7 76.3 114.5

141 33.7 27.8 41.8



#45

2-Fluorobiphenyl

Concen: 48.719 ng

RT: 13.375 min Scan# 1732

Delta R.T. -0.006 min

Lab File: BP015323.D

Acq: 26 May 2023 23:02

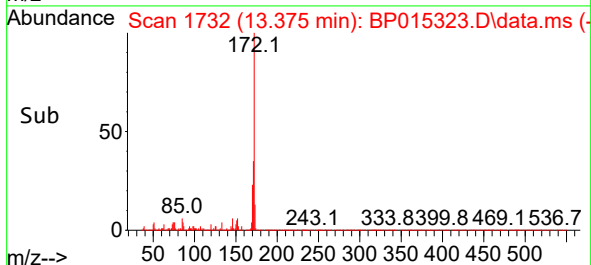
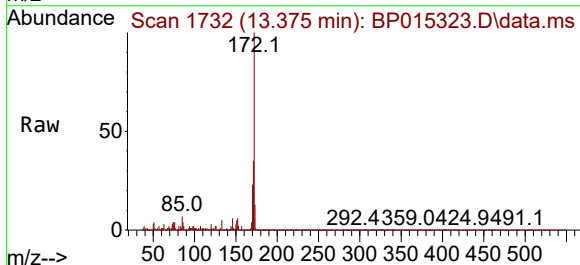
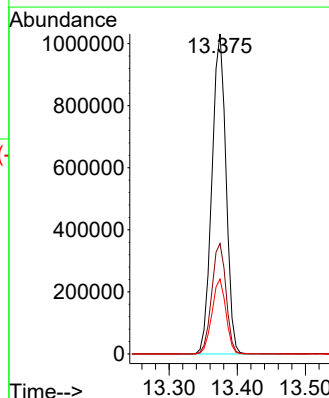
Tgt Ion:172 Resp: 1484247

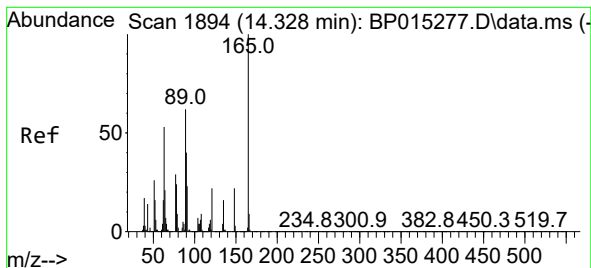
Ion Ratio Lower Upper

172 100

171 34.5 28.4 42.6

170 23.4 18.7 28.1

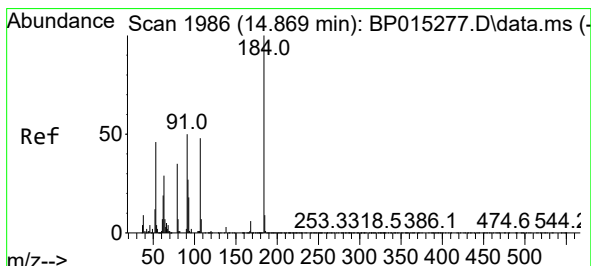
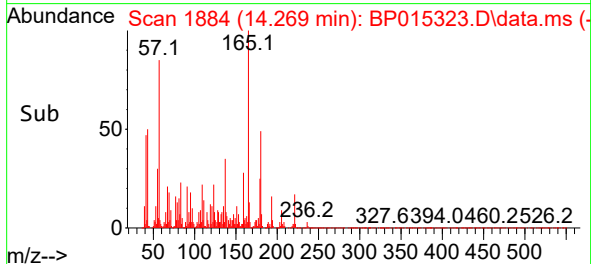
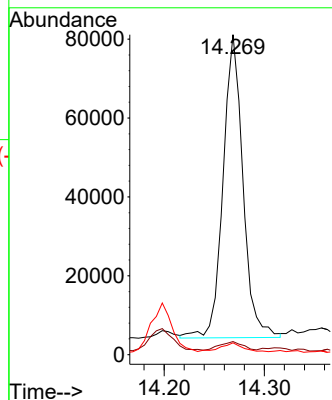
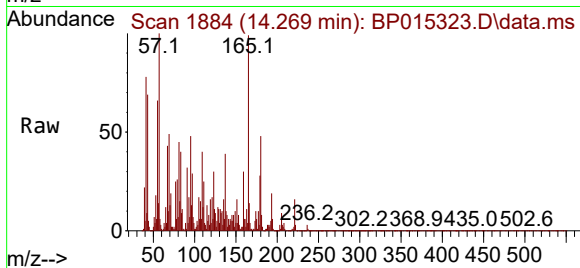




#51
2,6-Dinitrotoluene
Concen: 15.676 ng
RT: 14.269 min Scan# 1884
Delta R.T. -0.059 min
Lab File: BP015323.D
Acq: 26 May 2023 23:02

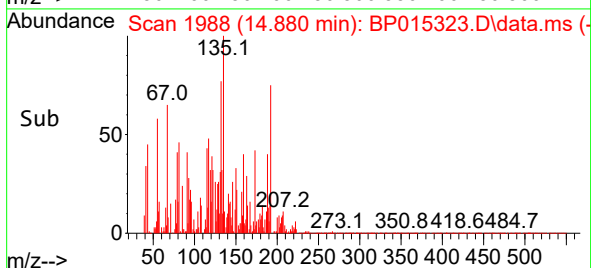
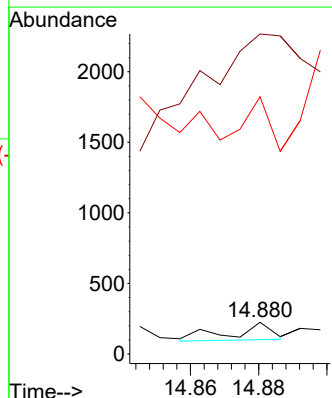
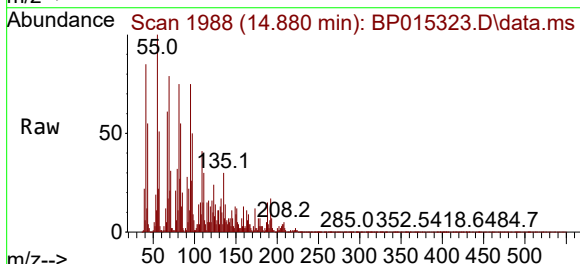
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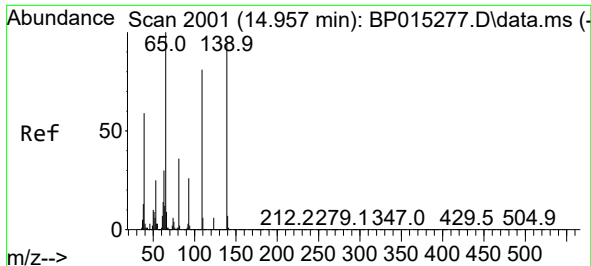
Tgt Ion:165 Resp: 105906
Ion Ratio Lower Upper
165 100
63 4.1 46.6 70.0#
89 3.7 49.7 74.5#



#54
2,4-Dinitrophenol
Concen: 5.208 ng
RT: 14.880 min Scan# 1988
Delta R.T. 0.011 min
Lab File: BP015323.D
Acq: 26 May 2023 23:02

Tgt Ion:184 Resp: 102
Ion Ratio Lower Upper
184 100
63 1008.0 56.2 84.4#
154 810.2 53.2 79.8#

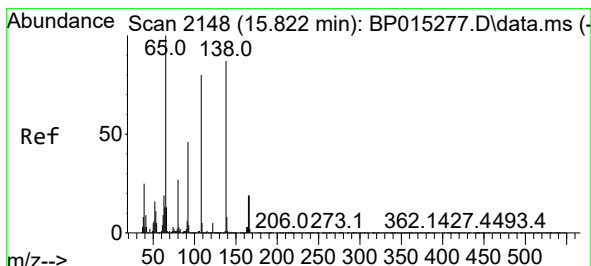
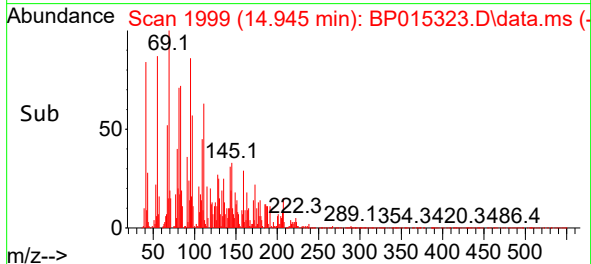
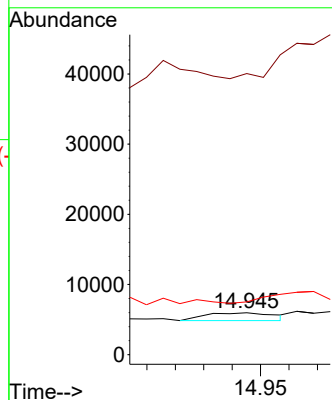
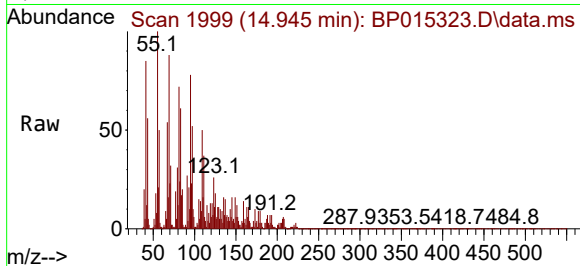




#56
4-Nitrophenol
Concen: 3.725 ng
RT: 14.945 min Scan# 14
Delta R.T. -0.012 min
Lab File: BP015323.D
Acq: 26 May 2023 23:02

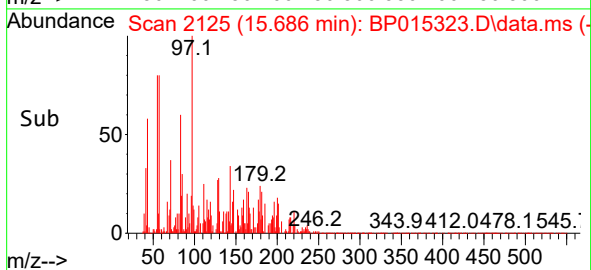
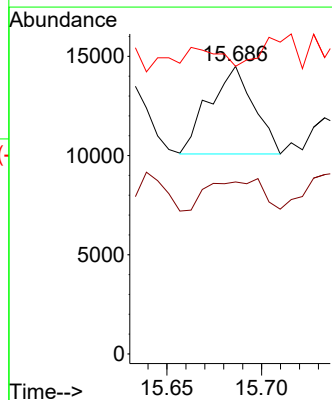
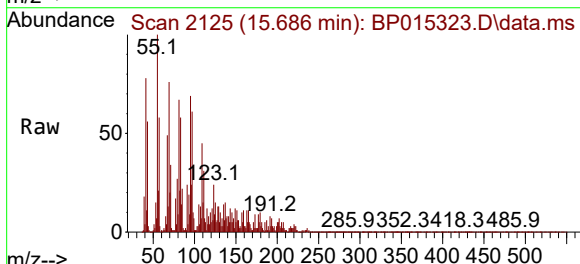
Instrument :
BNA_P
ClientSampleId :
IMPACTED-STONE

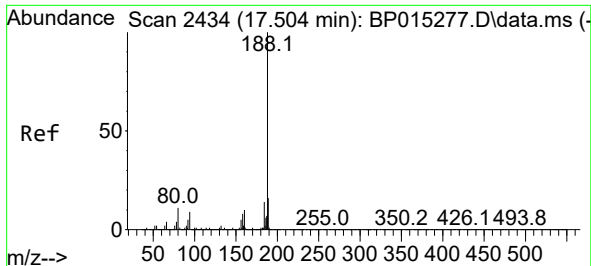
Tgt Ion:139 Resp: 1875
Ion Ratio Lower Upper
139 100
109 670.5 66.5 106.5#
65 126.0 86.6 126.6



#62
4-Nitroaniline
Concen: 3.233 ng
RT: 15.686 min Scan# 2125
Delta R.T. -0.136 min
Lab File: BP015323.D
Acq: 26 May 2023 23:02

Tgt Ion:138 Resp: 7233
Ion Ratio Lower Upper
138 100
92 59.8 33.1 73.1
108 100.0 71.0 111.0

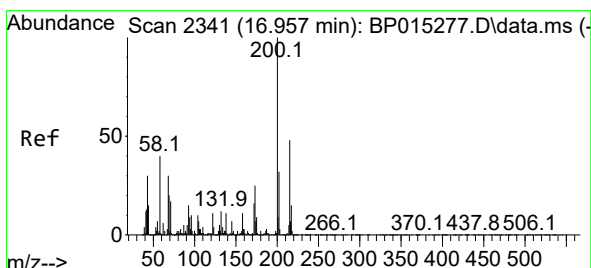
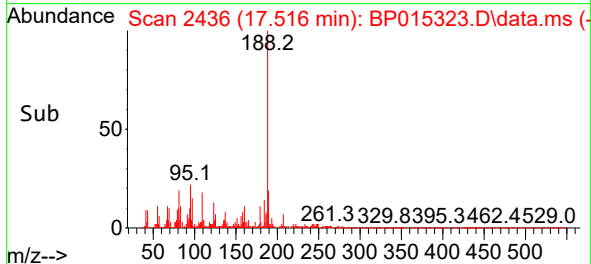
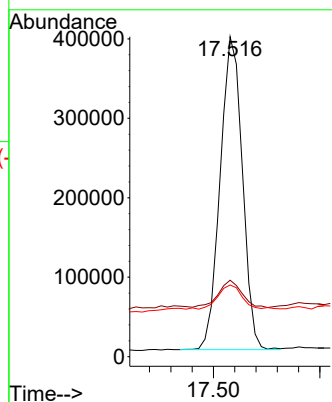
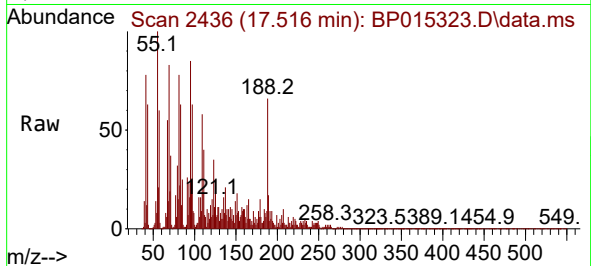




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.516 min Scan# 2436
Delta R.T. 0.012 min
Lab File: BP015323.D
Acq: 26 May 2023 23:02

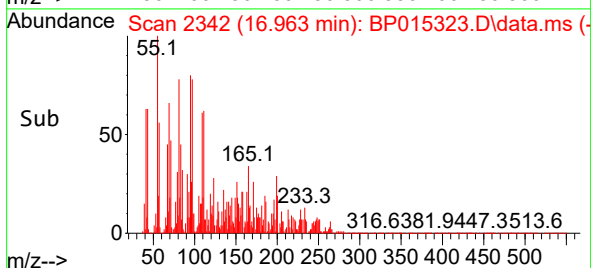
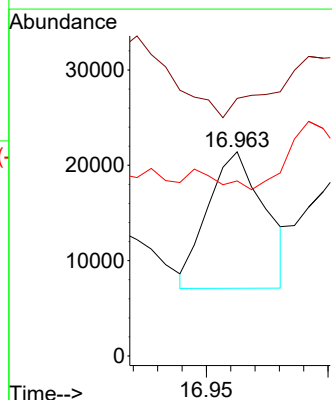
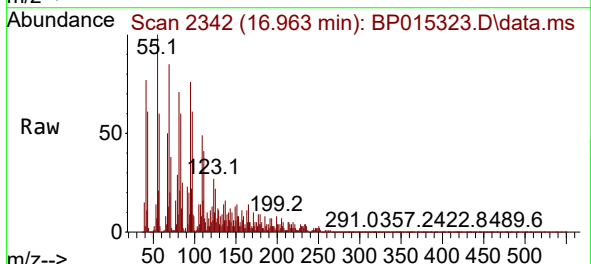
Instrument :
BNA_P
ClientSampleId :
IMPACTED-STONE

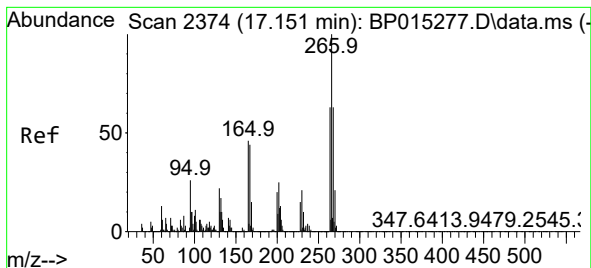
Tgt Ion:188 Resp: 569049
Ion Ratio Lower Upper
188 100
94 23.9 7.4 11.0#
80 22.4 8.6 13.0#



#69
Atrazine
Concen: 4.284 ng
RT: 16.963 min Scan# 2342
Delta R.T. 0.006 min
Lab File: BP015323.D
Acq: 26 May 2023 23:02

Tgt Ion:200 Resp: 23197
Ion Ratio Lower Upper
200 100
173 126.2 4.7 44.7#
215 85.8 27.5 67.5#





#70

Pentachlorophenol

Concen: 2.344 ng

RT: 17.157 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015323.D

Acq: 26 May 2023 23:02

Instrument :

BNA_P

ClientSampleId :

IMPACTED-STONE

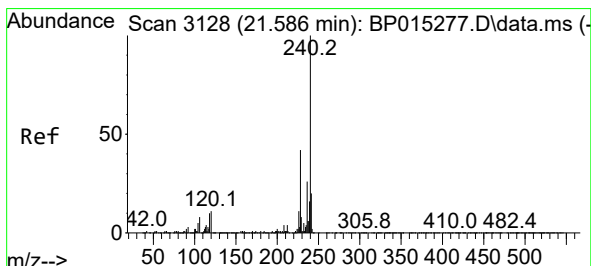
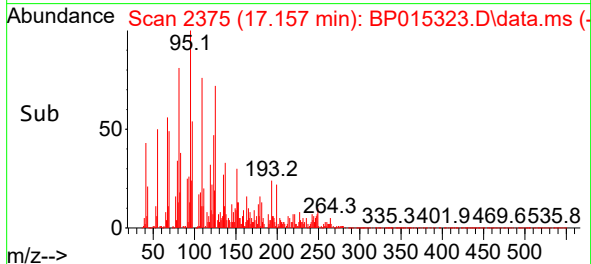
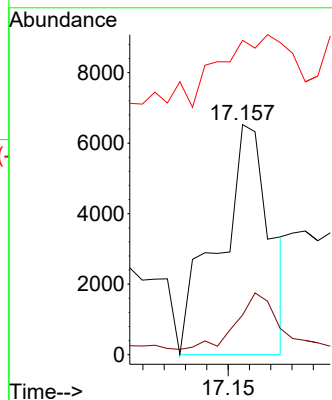
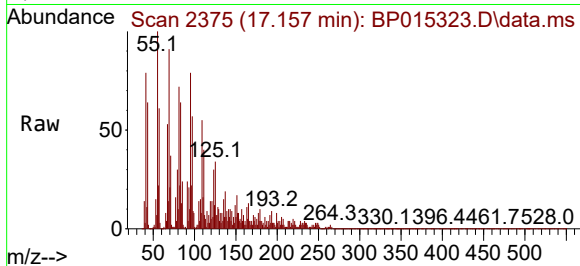
Tgt Ion:266 Resp: 10883

Ion Ratio Lower Upper

266 100

268 17.2 50.0 75.0#

264 136.6 50.4 75.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.621 min Scan# 3134

Delta R.T. 0.035 min

Lab File: BP015323.D

Acq: 26 May 2023 23:02

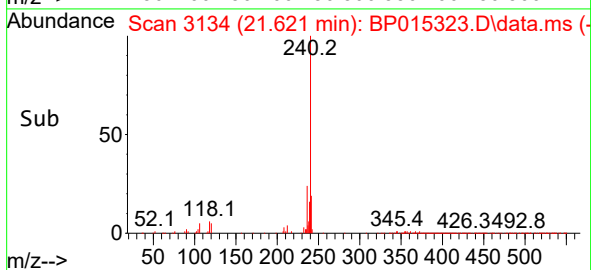
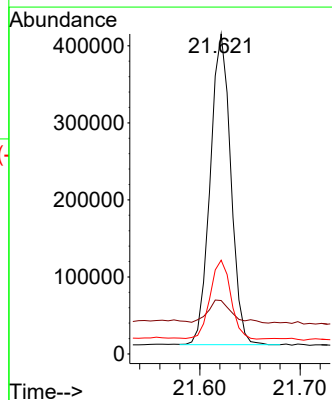
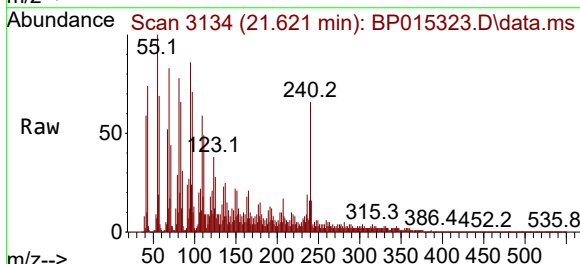
Tgt Ion:240 Resp: 574921

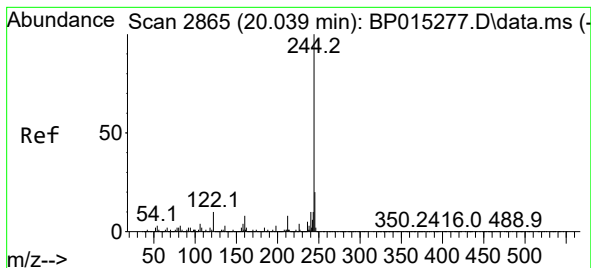
Ion Ratio Lower Upper

240 100

120 16.7 8.8 13.2#

236 29.3 20.5 30.7





#79

Terphenyl-d14

Concen: 32.995 ng

RT: 20.074 min Scan# 21

Delta R.T. 0.035 min

Lab File: BP015323.D

Acq: 26 May 2023 23:02

Instrument :

BNA_P

ClientSampleId :

IMPACTED-STONE

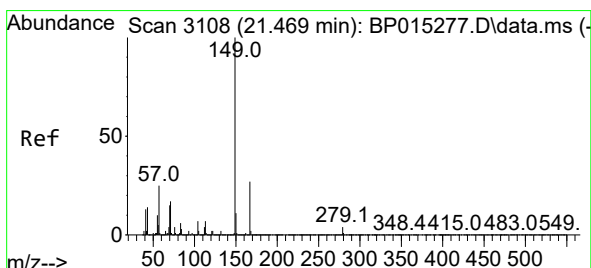
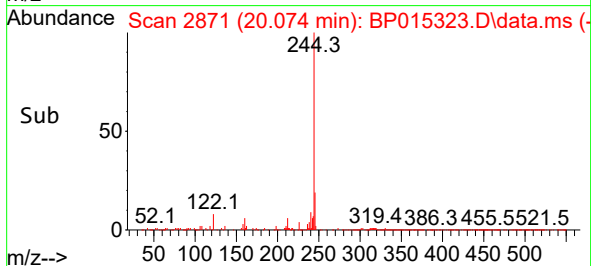
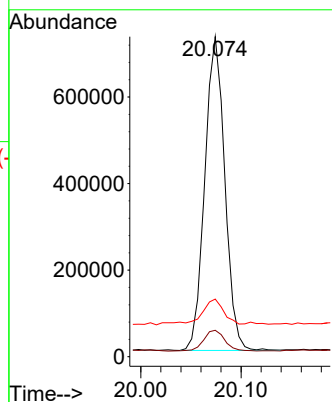
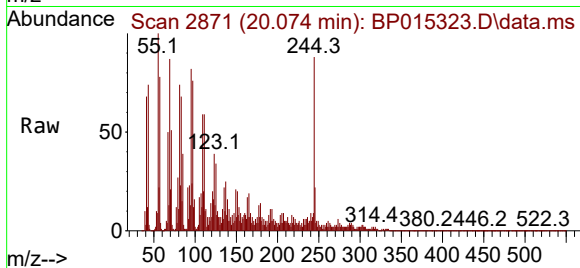
Tgt Ion:244 Resp: 1008506

Ion Ratio Lower Upper

244 100

212 8.2 6.0 9.0

122 18.0 8.2 12.4#



#84

Bis(2-ethylhexyl)phthalate

Concen: 32.058 ng

RT: 21.486 min Scan# 3111

Delta R.T. 0.017 min

Lab File: BP015323.D

Acq: 26 May 2023 23:02

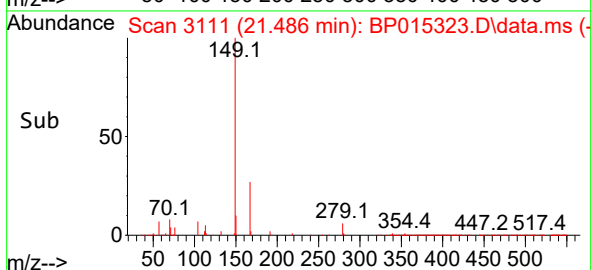
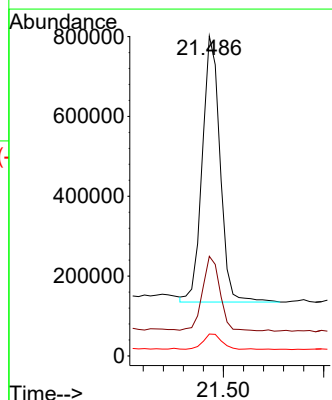
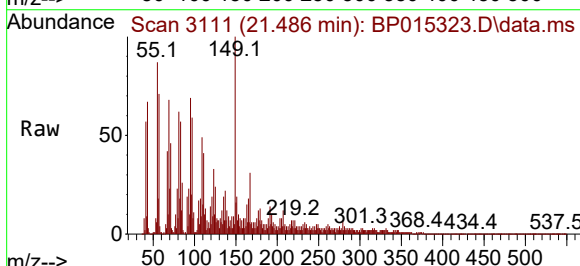
Tgt Ion:149 Resp: 823091

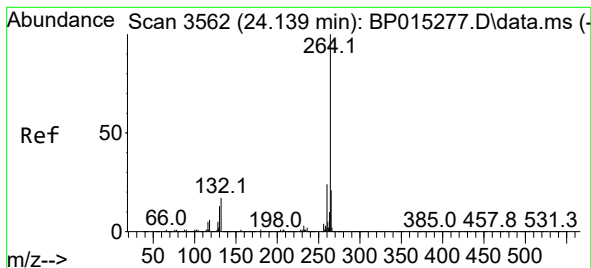
Ion Ratio Lower Upper

149 100

167 31.2 21.6 32.4

279 6.8 3.5 5.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.174 min Scan# 3

Delta R.T. 0.035 min

Lab File: BP015323.D

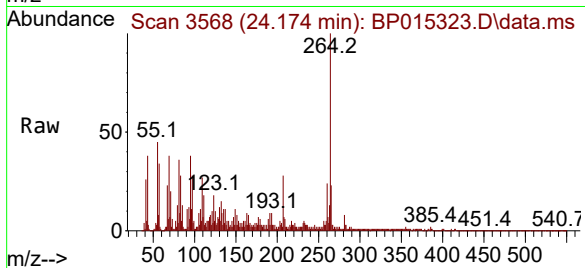
Acq: 26 May 2023 23:02

Instrument :

BNA_P

ClientSampleId :

IMPACTED-STONE



Tgt Ion:264 Resp: 831706

Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 22.6 17.5 26.3

