

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080123\
 Data File : BP016452.D
 Acq On : 01 Aug 2023 12:47
 Operator : MA/JU
 Sample : 03686-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-21-16-18-20230719

Quant Time: Aug 01 15:52:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 28 01:48:25 2023
 Response via : Initial Calibration

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

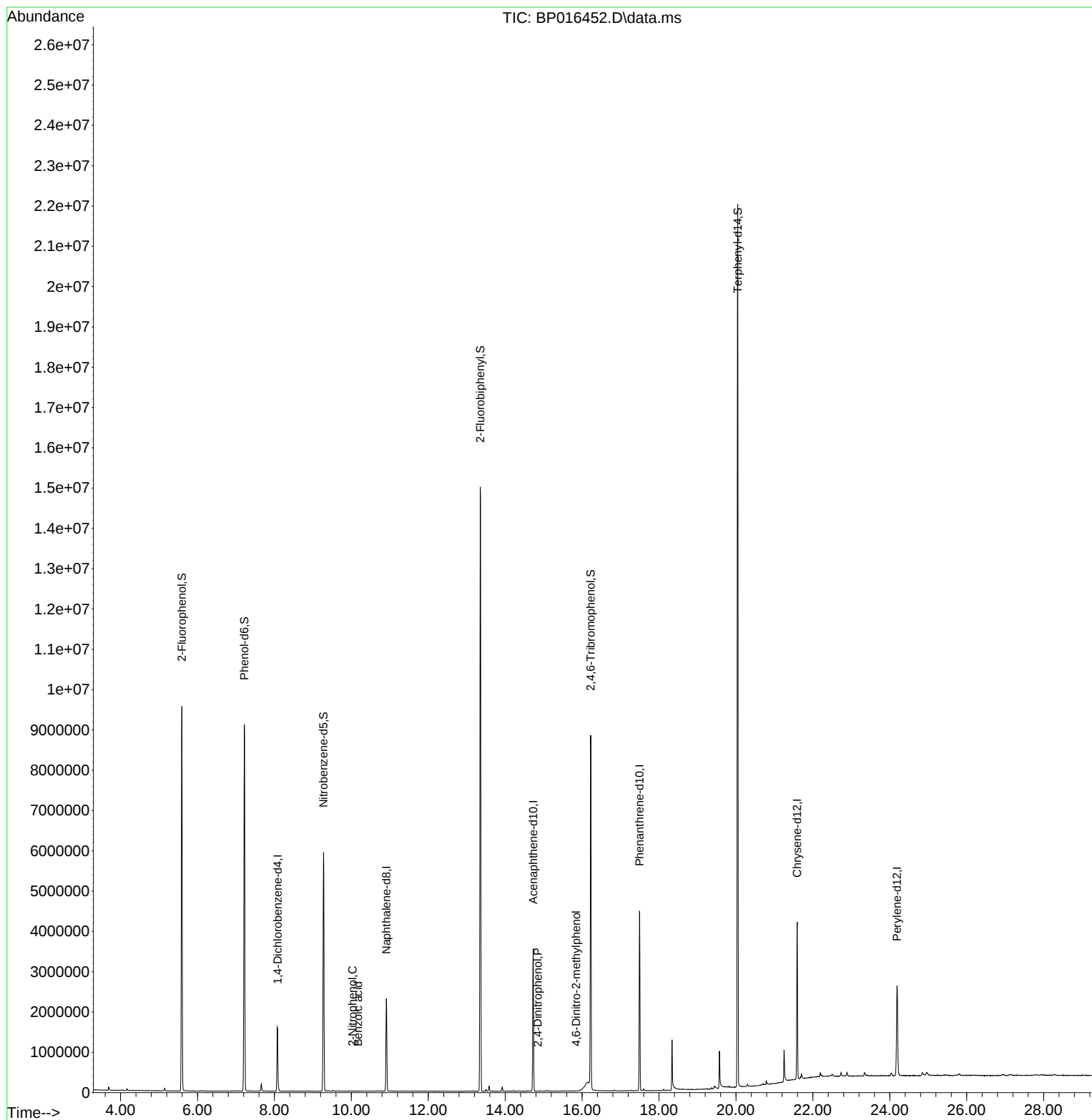
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	428618	20.000	ng	-0.01
21) Naphthalene-d8	10.910	136	1868534	20.000	ng	-0.02
39) Acenaphthene-d10	14.728	164	1151589	20.000	ng	0.00
64) Phenanthrene-d10	17.492	188	2477462	20.000	ng	0.00
76) Chrysene-d12	21.592	240	1816989	20.000	ng	0.00
86) Perylene-d12	24.186	264	1749009	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	4455415	169.583	ng	-0.01
7) Phenol-d6	7.216	99	5923585	164.492	ng	-0.01
23) Nitrobenzene-d5	9.275	82	3554847	106.498	ng	-0.02
42) 2,4,6-Tribromophenol	16.222	330	1617474	95.474	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	8040577	100.101	ng	-0.01
79) Terphenyl-d14	20.045	244	11351760	131.975	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.222	77	9464	Below Cal	#	3
26) 2-Nitrophenol	10.034	139	88	3.131 ng	#	37
32) Benzoic acid	10.169	122	42	6.288 ng	#	1
54) 2,4-Dinitrophenol	14.845	184	66	8.009 ng	#	1
65) 4,6-Dinitro-2-methylph...	15.845	198	303	6.324 ng	#	1

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

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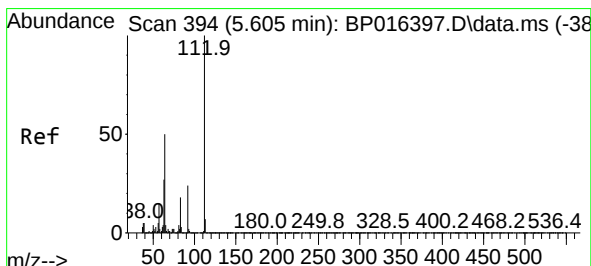
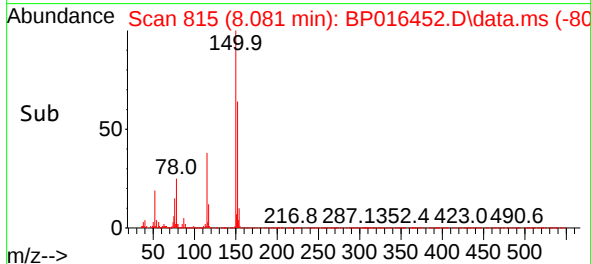
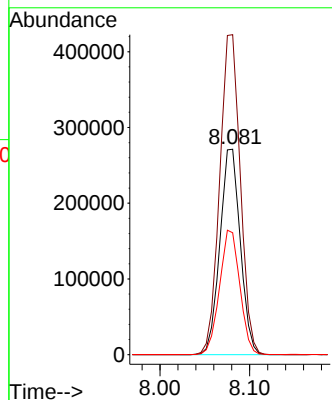
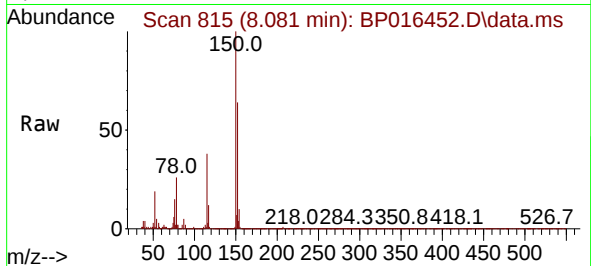




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.081 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP016452.D
Acq: 01 Aug 2023 12:47

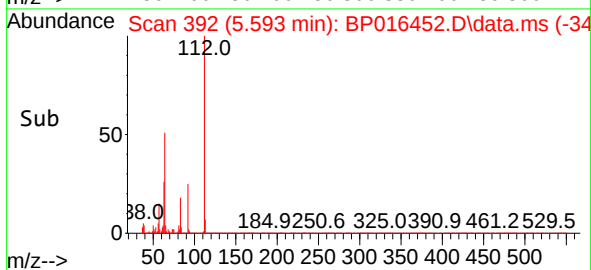
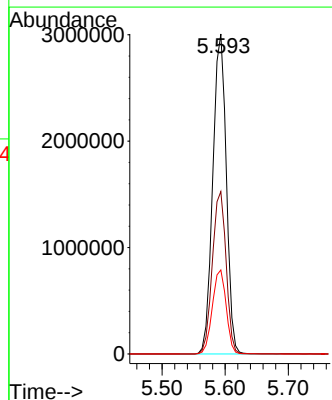
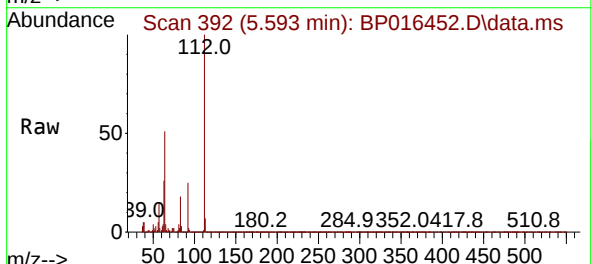
Instrument :
BNA_P
ClientSampleId :
SB-21-16-18-20230719

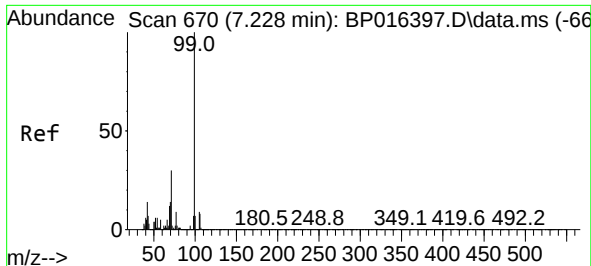
Tgt Ion:152 Resp: 428618
Ion Ratio Lower Upper
152 100
150 155.7 124.9 187.3
115 59.3 46.8 70.2



#5
2-Fluorophenol
Concen: 169.583 ng
RT: 5.593 min Scan# 392
Delta R.T. -0.012 min
Lab File: BP016452.D
Acq: 01 Aug 2023 12:47

Tgt Ion:112 Resp: 4455415
Ion Ratio Lower Upper
112 100
64 50.8 40.0 60.0
63 26.3 21.2 31.8



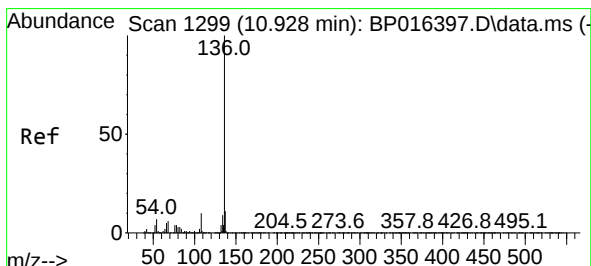
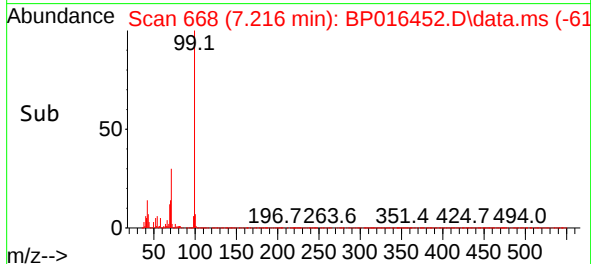
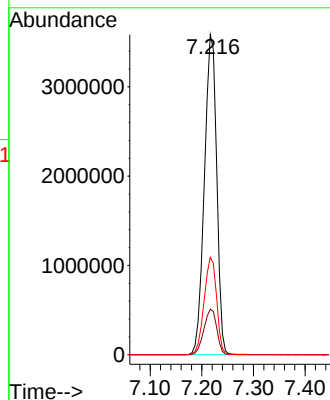
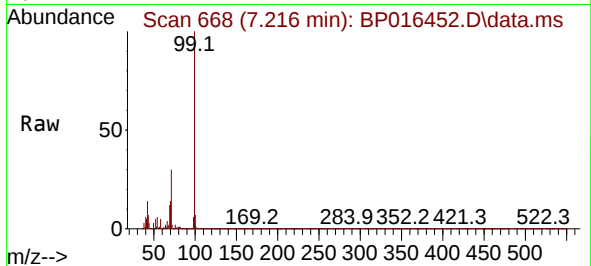


#7
Phenol-d6
Concen: 164.492 ng
RT: 7.216 min Scan# 61
Delta R.T. -0.012 min
Lab File: BP016452.D
Acq: 01 Aug 2023 12:47

Instrument :
BNA_P
ClientSampleId :
SB-21-16-18-20230719

Tgt Ion: 99 Resp: 5923585

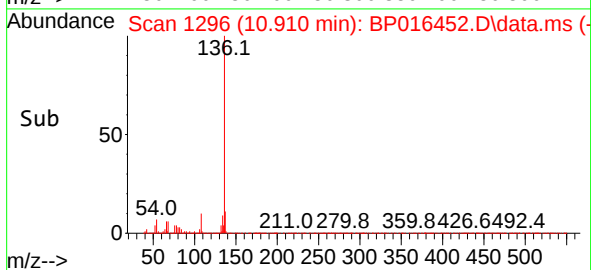
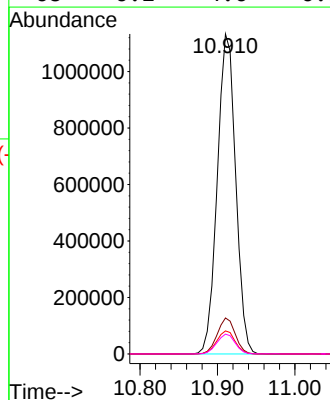
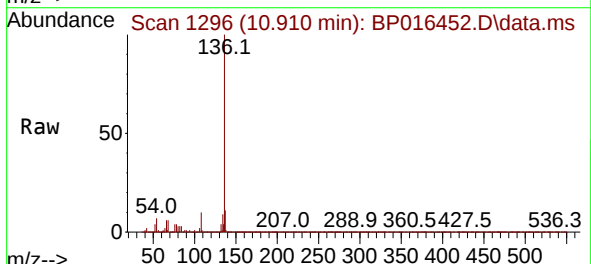
Ion	Ratio	Lower	Upper
99	100		
42	14.2	11.6	17.4
71	30.4	24.3	36.5

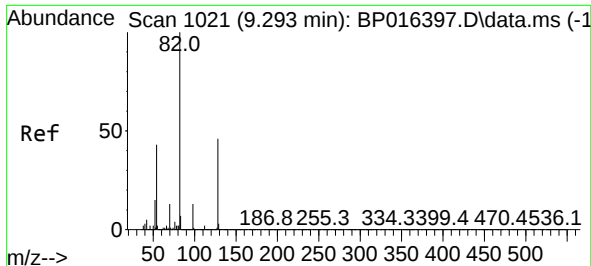


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.910 min Scan# 1296
Delta R.T. -0.018 min
Lab File: BP016452.D
Acq: 01 Aug 2023 12:47

Tgt Ion:136 Resp: 1868534

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	7.2	5.6	8.4
68	6.2	4.6	6.8





#23

Nitrobenzene-d5

Concen: 106.498 ng

RT: 9.275 min Scan# 1018

Delta R.T. -0.018 min

Lab File: BP016452.D

Acq: 01 Aug 2023 12:47

Instrument :

BNA_P

ClientSampleId :

SB-21-16-18-20230719

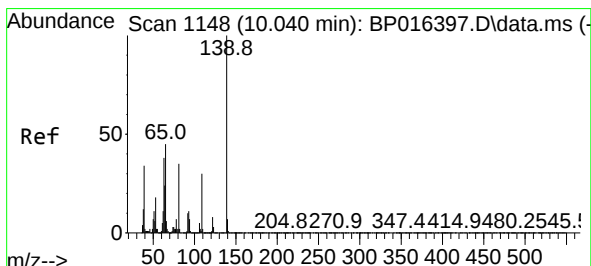
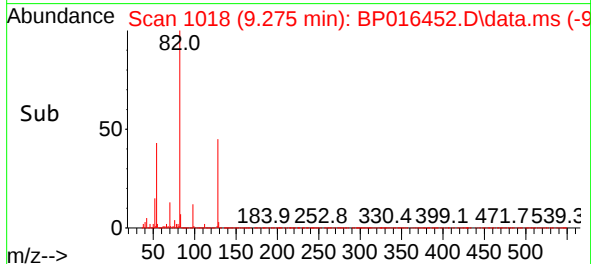
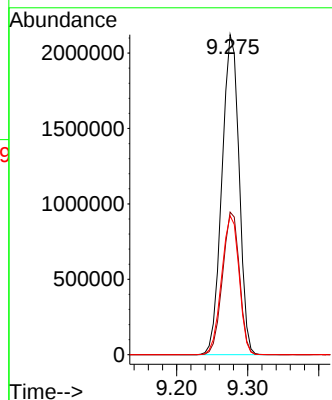
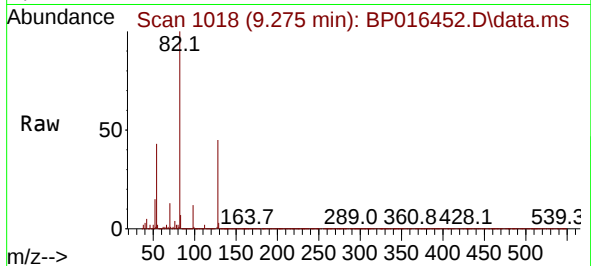
Tgt Ion: 82 Resp: 3554847

Ion Ratio Lower Upper

82 100

128 44.5 36.6 55.0

54 43.4 34.5 51.7



#26

2-Nitrophenol

Concen: 3.131 ng

RT: 10.034 min Scan# 1147

Delta R.T. -0.006 min

Lab File: BP016452.D

Acq: 01 Aug 2023 12:47

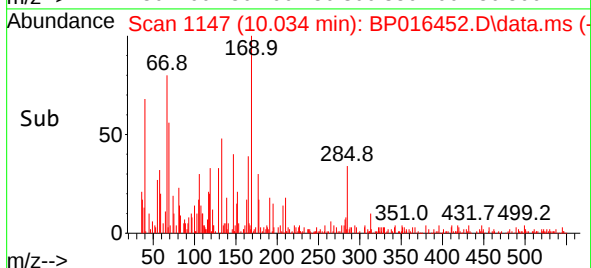
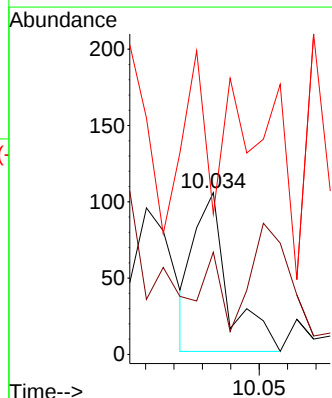
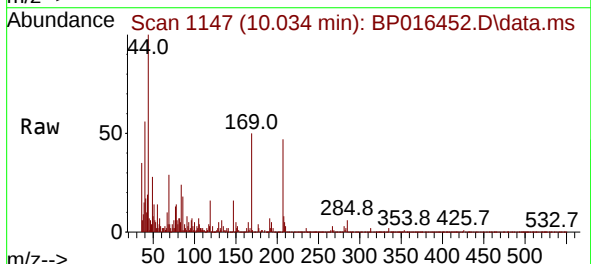
Tgt Ion:139 Resp: 88

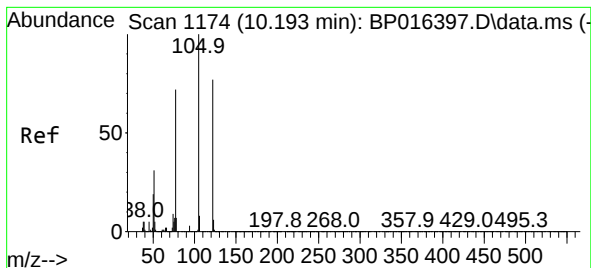
Ion Ratio Lower Upper

139 100

109 63.2 24.2 36.4#

65 86.8 35.8 53.6#





#32

Benzoic acid

Concen: 6.288 ng

RT: 10.169 min Scan# 1174

Delta R.T. -0.024 min

Lab File: BP016452.D

Acq: 01 Aug 2023 12:47

Instrument :

BNA_P

ClientSampleId :

SB-21-16-18-20230719

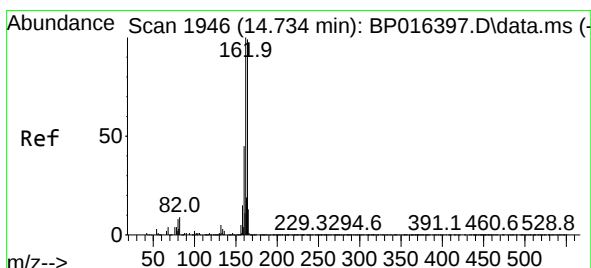
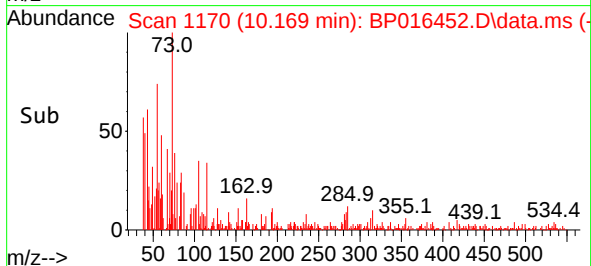
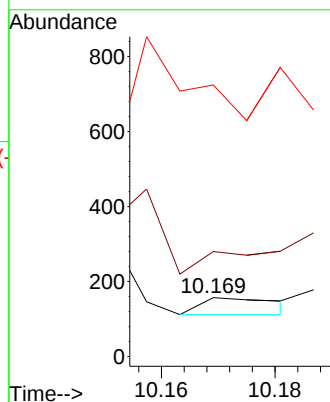
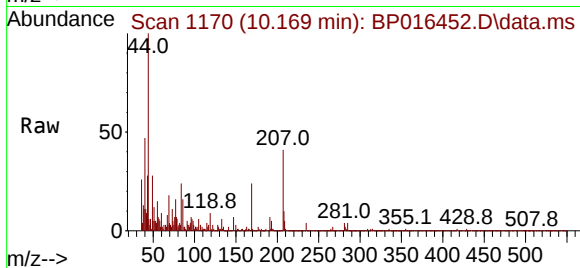
Tgt Ion:122 Resp: 42

Ion Ratio Lower Upper

122 100

105 178.3 105.2 145.2#

77 461.1 72.2 112.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.728 min Scan# 1945

Delta R.T. -0.006 min

Lab File: BP016452.D

Acq: 01 Aug 2023 12:47

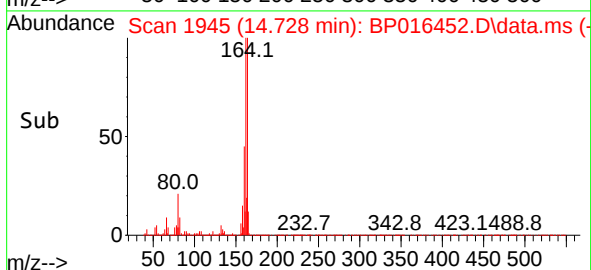
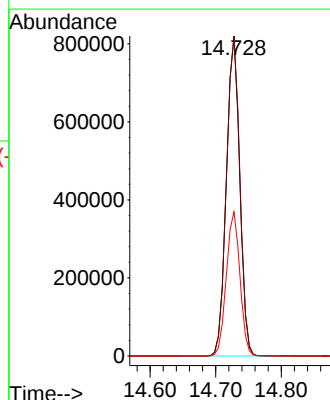
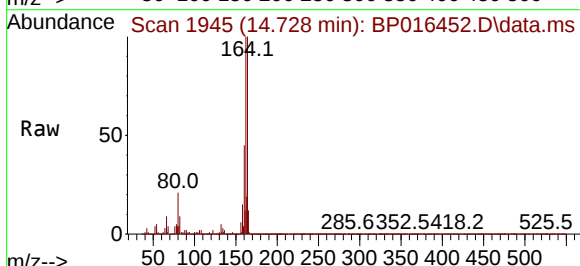
Tgt Ion:164 Resp: 1151589

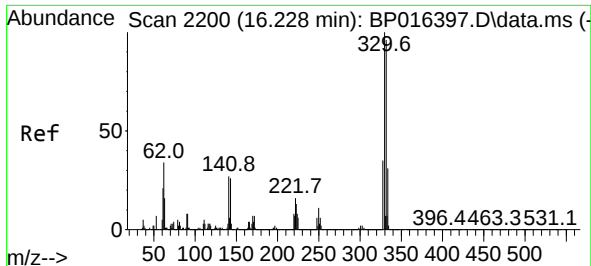
Ion Ratio Lower Upper

164 100

162 100.2 81.0 121.6

160 45.1 36.6 55.0

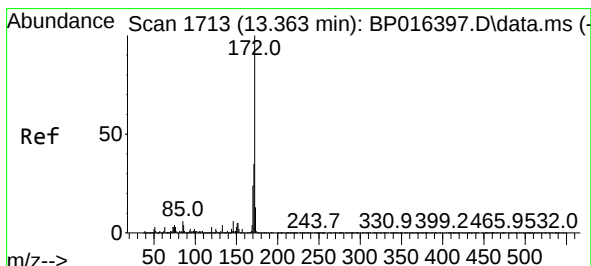
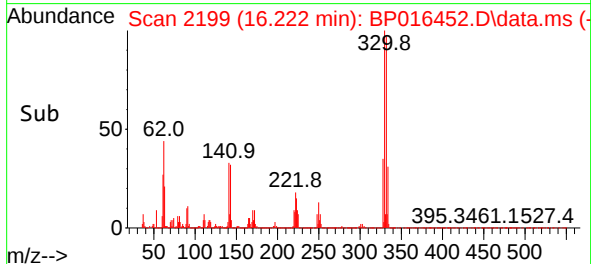
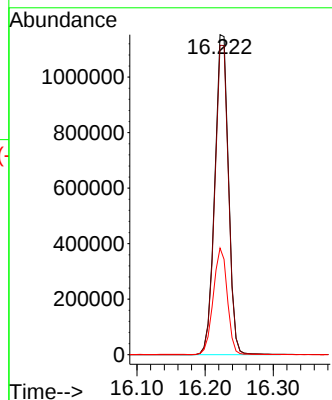
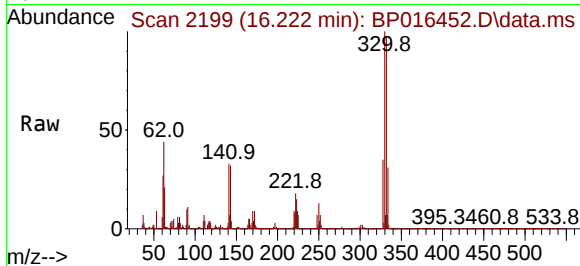




#42
2,4,6-Tribromophenol
Concen: 95.474 ng
RT: 16.222 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP016452.D
Acq: 01 Aug 2023 12:47

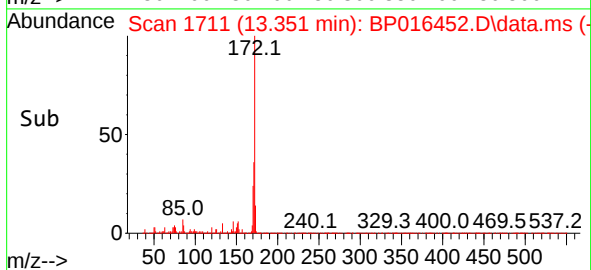
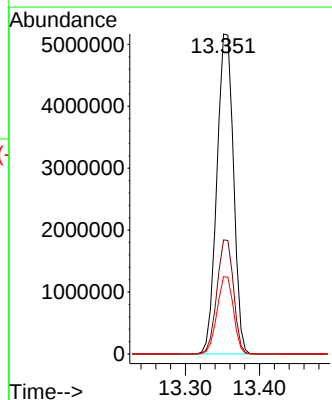
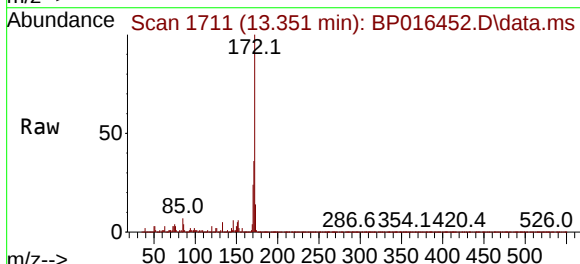
Instrument :
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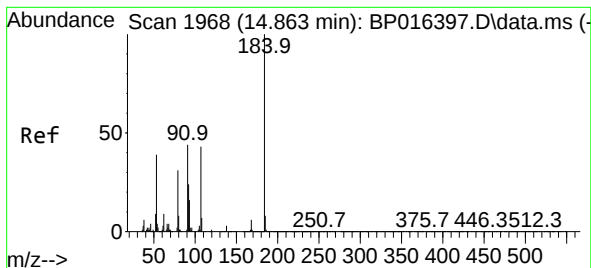
Tgt Ion:330 Resp: 1617474
Ion Ratio Lower Upper
330 100
332 96.8 77.8 116.8
141 33.9 22.6 34.0



#45
2-Fluorobiphenyl
Concen: 100.101 ng
RT: 13.351 min Scan# 1711
Delta R.T. -0.012 min
Lab File: BP016452.D
Acq: 01 Aug 2023 12:47

Tgt Ion:172 Resp: 8040577
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 24.1 19.1 28.7





#54

2,4-Dinitrophenol

Concen: 8.009 ng

RT: 14.845 min Scan# 1965

Delta R.T. -0.018 min

Lab File: BP016452.D

Acq: 01 Aug 2023 12:47

Instrument :

BNA_P

ClientSampleId :

SB-21-16-18-20230719

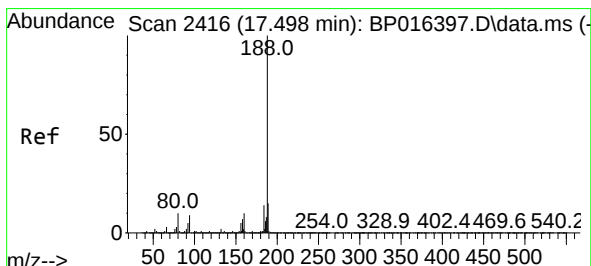
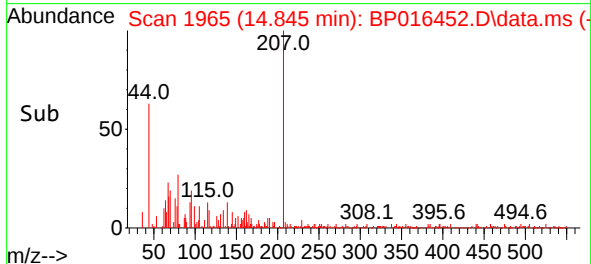
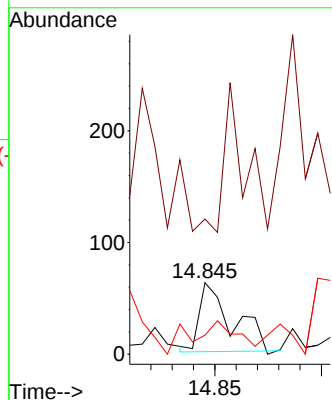
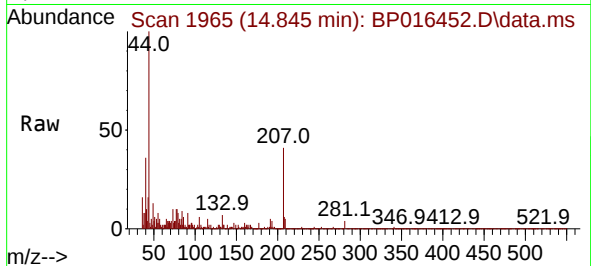
Tgt Ion:184 Resp: 66

Ion Ratio Lower Upper

184 100

63 189.1 48.2 72.4#

154 26.6 49.6 74.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.492 min Scan# 2415

Delta R.T. -0.006 min

Lab File: BP016452.D

Acq: 01 Aug 2023 12:47

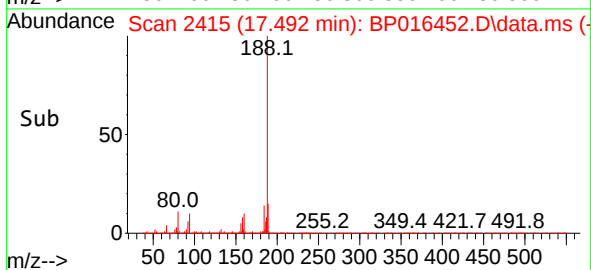
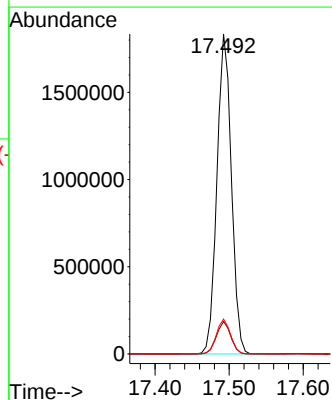
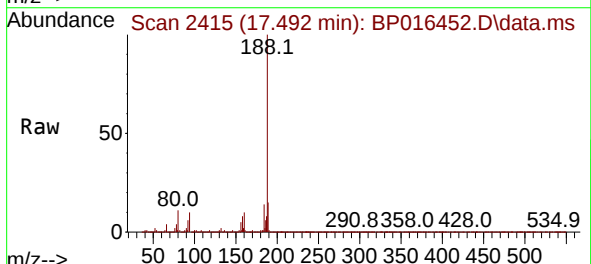
Tgt Ion:188 Resp: 2477462

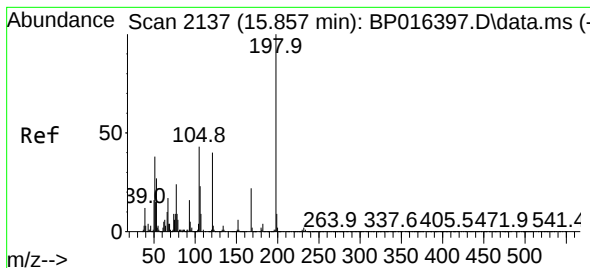
Ion Ratio Lower Upper

188 100

94 10.2 7.4 11.0

80 10.9 7.8 11.8

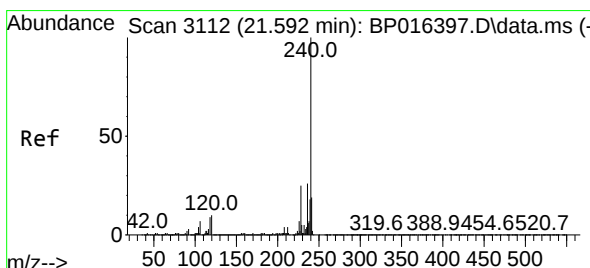
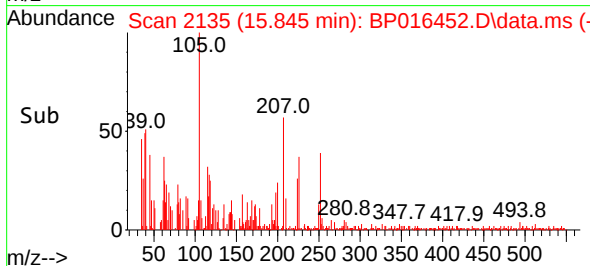
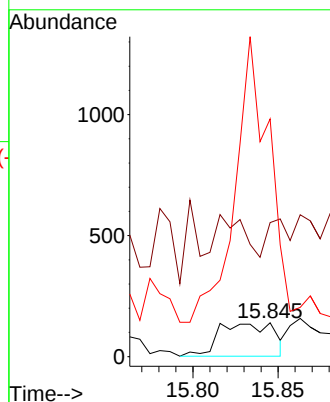
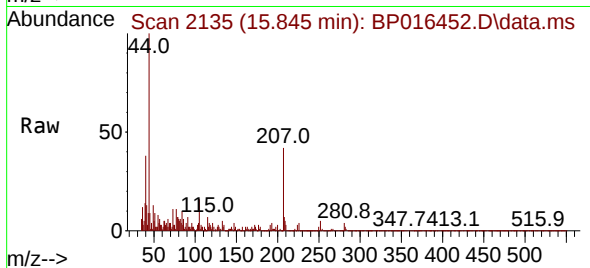




#65
4,6-Dinitro-2-methylphenol
Concen: 6.324 ng
RT: 15.845 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BP016452.D
Acq: 01 Aug 2023 12:47

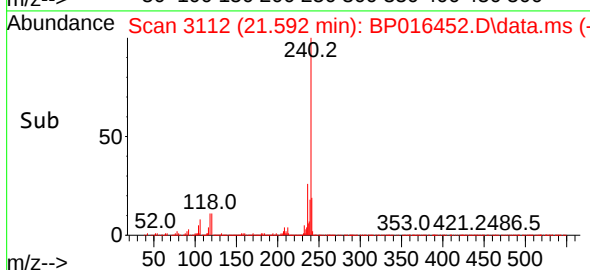
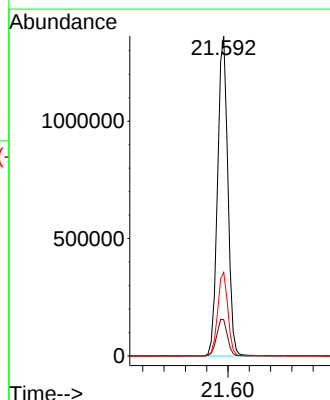
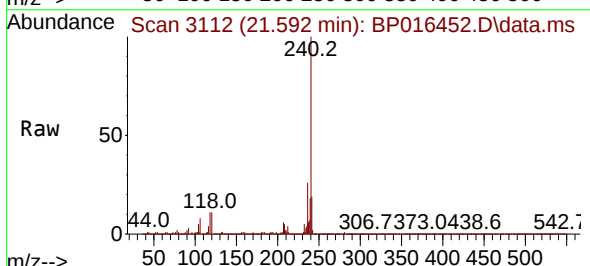
Instrument :
BNA_P
ClientSampleId :
SB-21-16-18-20230719

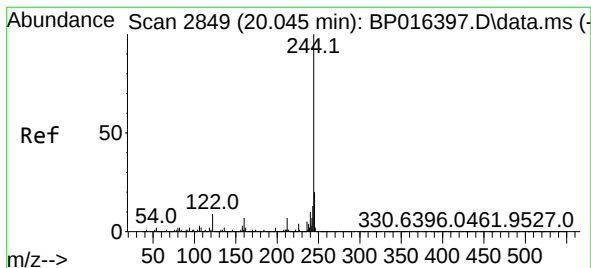
Tgt Ion:198 Resp: 303
Ion Ratio Lower Upper
198 100
51 369.3 20.1 60.1#
105 654.7 23.1 63.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.592 min Scan# 3112
Delta R.T. -0.000 min
Lab File: BP016452.D
Acq: 01 Aug 2023 12:47

Tgt Ion:240 Resp: 1816989
Ion Ratio Lower Upper
240 100
120 11.4 7.9 11.9
236 26.1 21.1 31.7





#79

Terphenyl-d14

Concen: 131.975 ng

RT: 20.045 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP016452.D

Acq: 01 Aug 2023 12:47

Instrument :

BNA_P

ClientSampleId :

SB-21-16-18-20230719

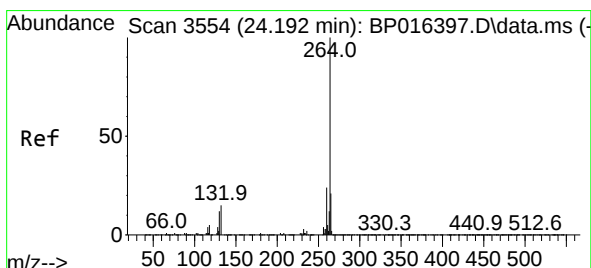
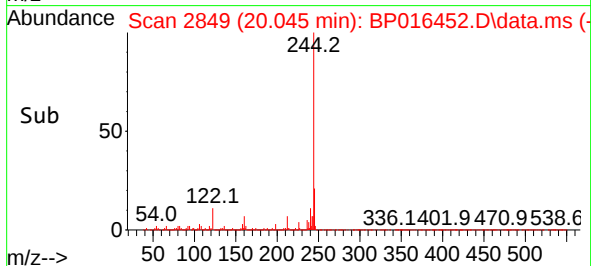
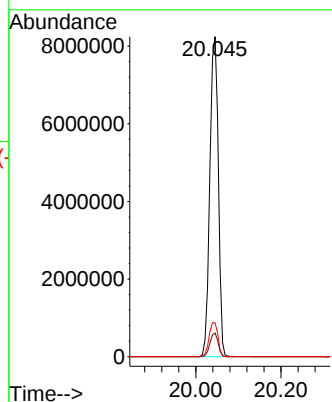
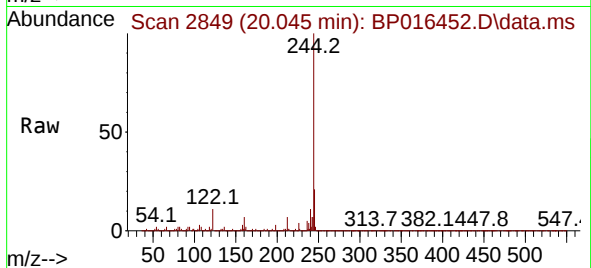
Tgt Ion:244 Resp:11351760

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

122 10.6 7.4 11.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.186 min Scan# 3553

Delta R.T. -0.006 min

Lab File: BP016452.D

Acq: 01 Aug 2023 12:47

Tgt Ion:264 Resp: 1749009

Ion Ratio Lower Upper

264 100

260 24.1 19.3 28.9

265 22.0 17.4 26.0

