

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032723\
 Data File : BP014322.D
 Acq On : 27 Mar 2023 20:39
 Operator : CG/JU
 Sample : 02023-06RE
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-13-TEST-PIT-ON-GRAVELLYRE

Quant Time: Mar 28 02:12:12 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

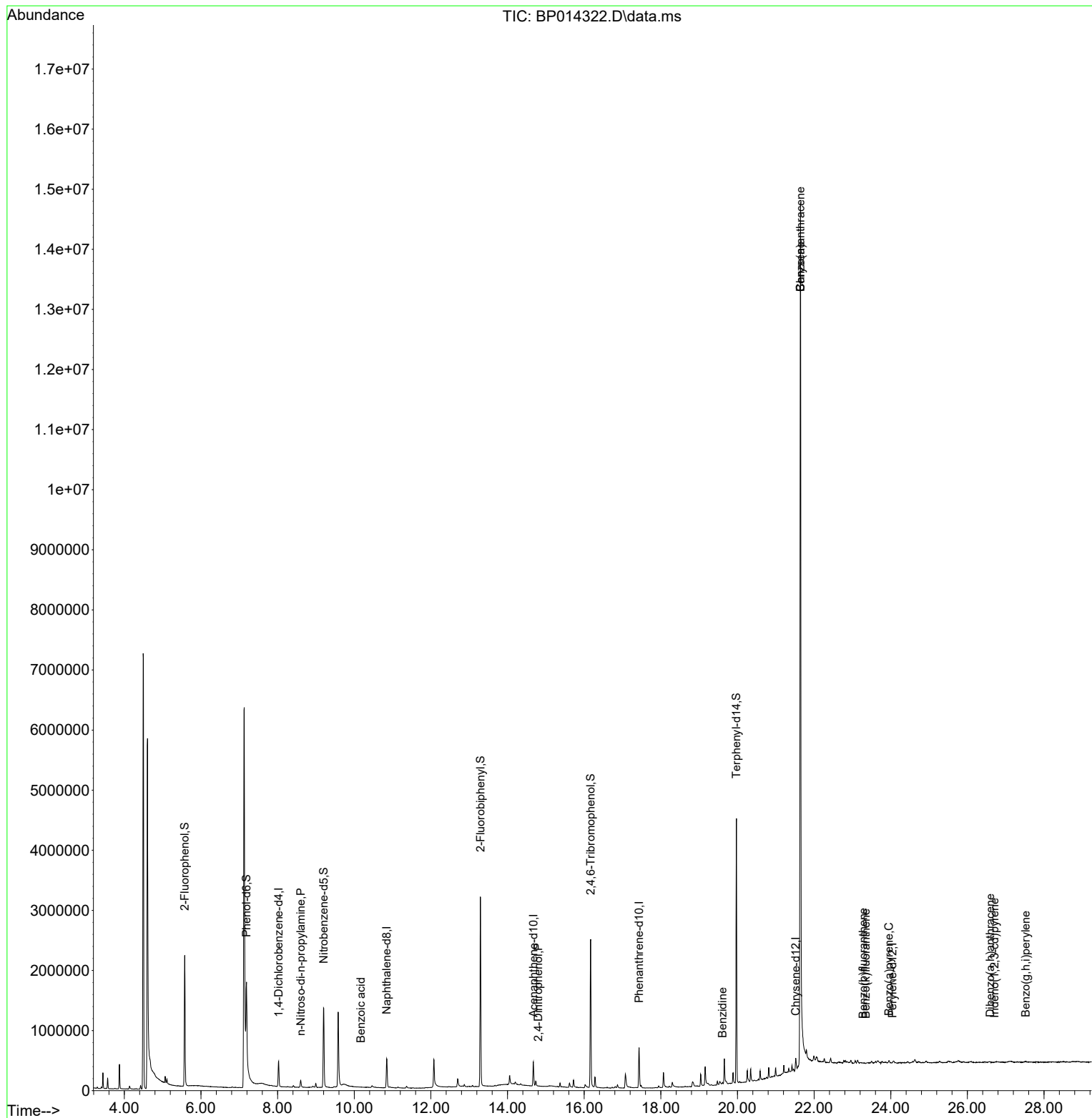
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.028	152	106732	20.000	ng	0.00
21) Naphthalene-d8	10.846	136	403662	20.000	ng	# 0.00
39) Acenaphthene-d10	14.675	164	120338	20.000	ng	0.00
64) Phenanthrene-d10	17.434	188	372572	20.000	ng	# 0.00
76) Chrysene-d12	21.516	240	65832	20.000	ng	0.00
86) Perylene-d12	24.045	264	271	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	854950	129.906	ng	0.00
7) Phenol-d6	7.187	99	633714	73.340	ng	0.00
23) Nitrobenzene-d5	9.199	82	817863	92.605	ng	-0.01
42) 2,4,6-Tribromophenol	16.169	330	476221	244.078	ng	0.00
45) 2-Fluorobiphenyl	13.293	172	1528864	164.600	ng	0.00
79) Terphenyl-d14	19.969	244	1798897	450.584	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	8.605	70	11378	2.001	ng	# 46
32) Benzoic acid	10.175	122	35	2.707	ng	# 1
54) 2,4-Dinitrophenol	14.798	184	21	3.091	ng	# 1
77) Benzidine	19.610	184	312	3.028	ng	# 1
81) Benzo(a)anthracene	21.645	228	46715	9.671	ng	# 1
83) Chrysene	21.645	228	46715	10.212	ng	# 4
87) Indeno(1,2,3-cd)pyrene	26.710	276	896	42.790	ng	# 69
88) Benzo(b)fluoranthene	23.280	252	2512	141.560	ng	# 1
89) Benzo(k)fluoranthene	23.345	252	343	19.495	ng	# 1
90) Benzo(a)pyrene	23.951	252	397	23.455	ng	# 1
91) Dibenzo(a,h)anthracene	26.592	278	579	33.261	ng	98
92) Benzo(g,h,i)perylene	27.521	276	4429	256.729	ng	# 1

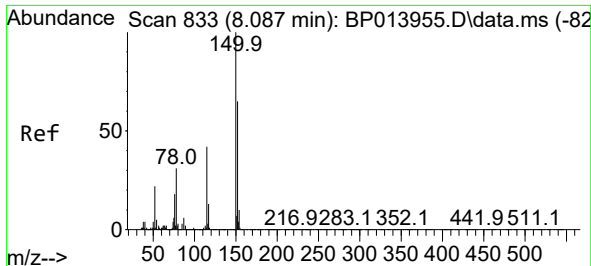
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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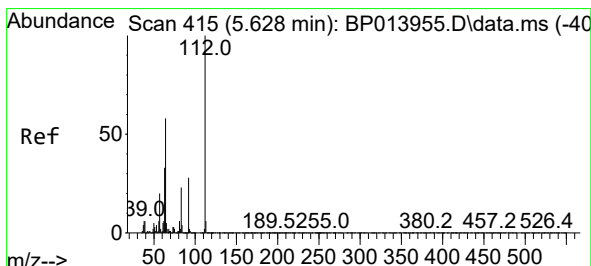
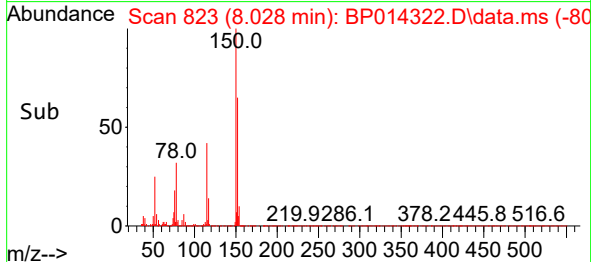
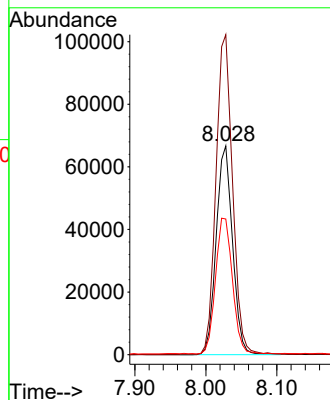
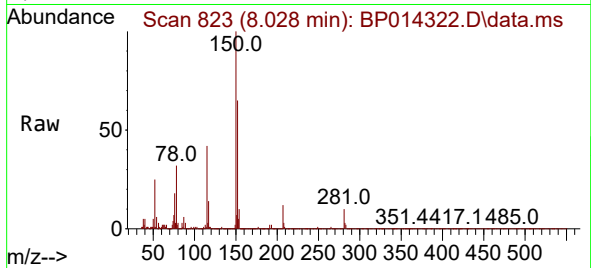




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.028 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP014322.D
Acq: 27 Mar 2023 20:39

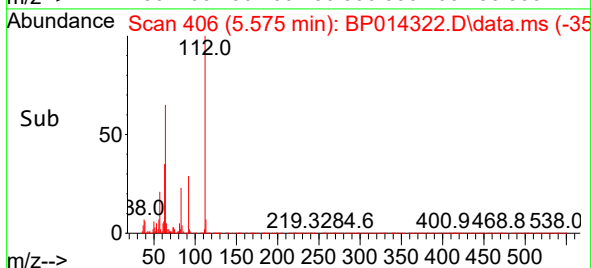
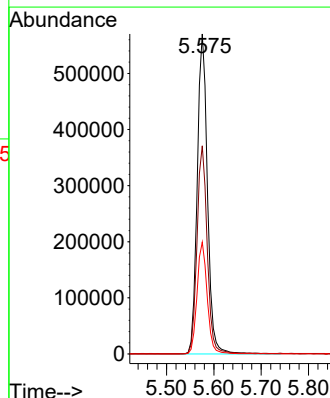
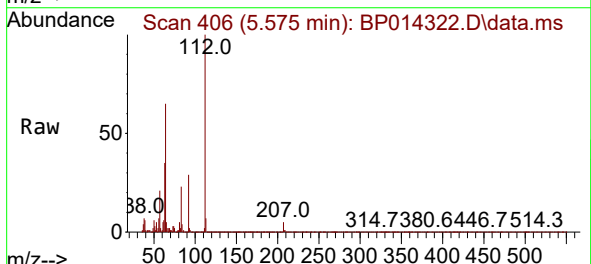
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BNA_P
ClientSampleId :
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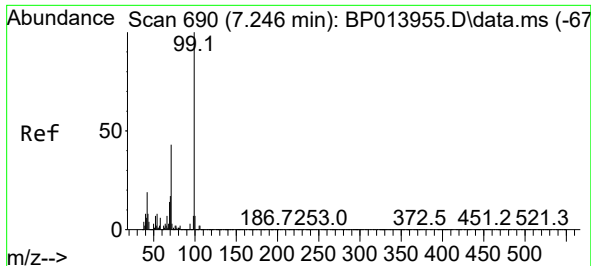
Tgt Ion:152 Resp: 106732
Ion Ratio Lower Upper
152 100
150 153.2 122.3 183.5
115 64.9 51.6 77.4



#5
2-Fluorophenol
Concen: 129.906 ng
RT: 5.575 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP014322.D
Acq: 27 Mar 2023 20:39

Tgt Ion:112 Resp: 854950
Ion Ratio Lower Upper
112 100
64 65.0 46.7 70.1
63 35.0 26.6 40.0

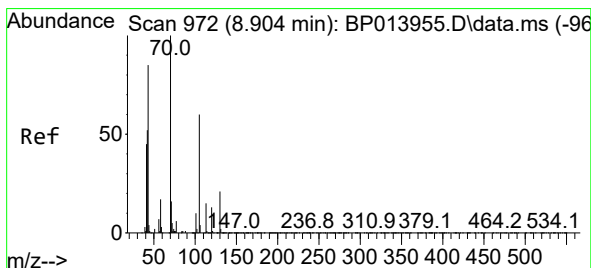
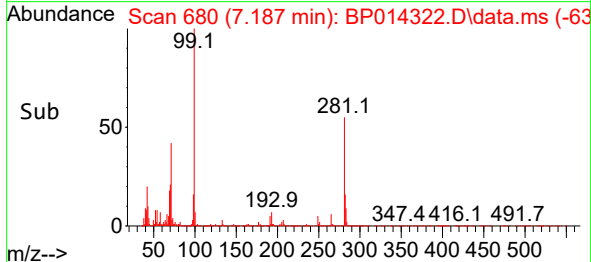
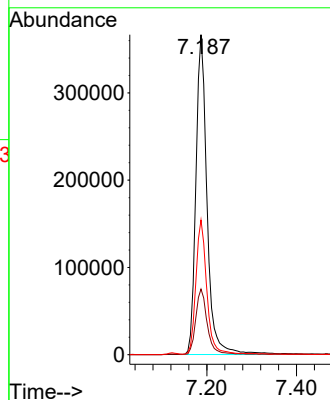
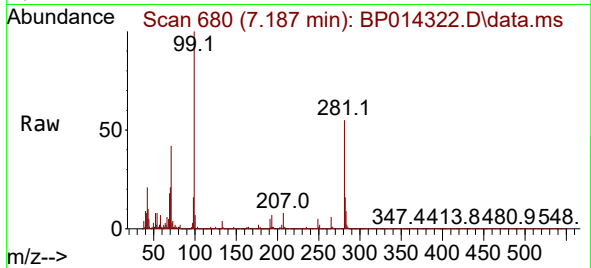




#7
Phenol-d6
Concen: 73.340 ng
RT: 7.187 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP014322.D
Acq: 27 Mar 2023 20:39

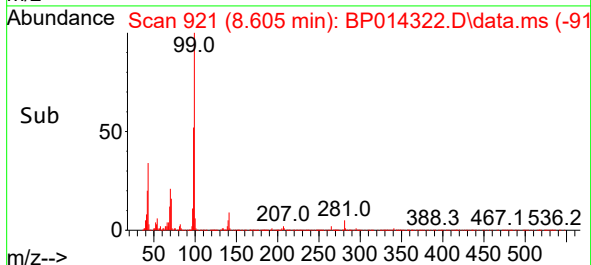
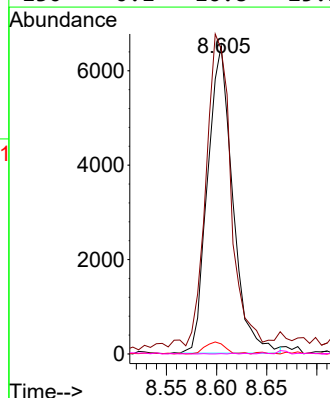
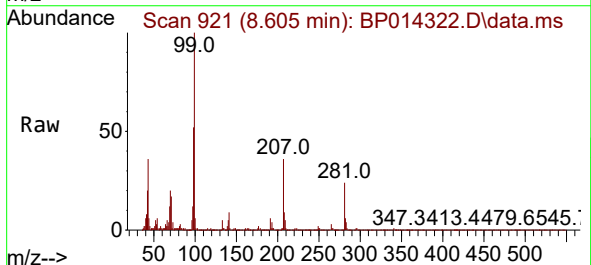
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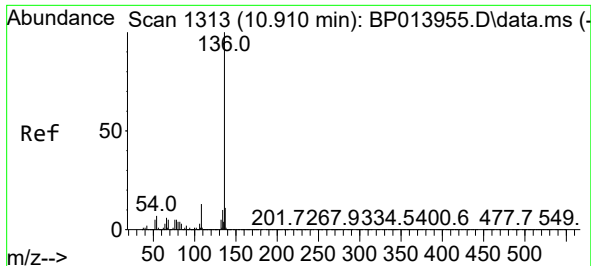
Tgt Ion: 99 Resp: 633714
Ion Ratio Lower Upper
99 100
42 20.5 15.0 22.6
71 42.1 34.3 51.5



#19
n-Nitroso-di-n-propylamine
Concen: 2.001 ng
RT: 8.605 min Scan# 921
Delta R.T. -0.241 min
Lab File: BP014322.D
Acq: 27 Mar 2023 20:39

Tgt Ion: 70 Resp: 11378
Ion Ratio Lower Upper
70 100
42 99.0 42.4 63.6#
101 3.3 8.2 12.4#
130 0.1 16.8 25.2#

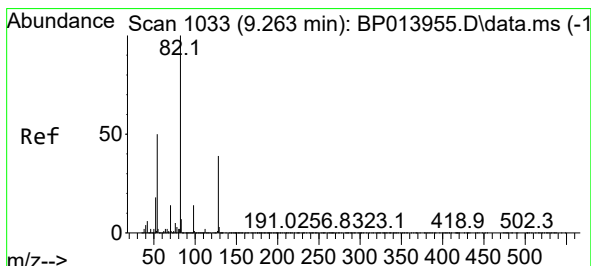
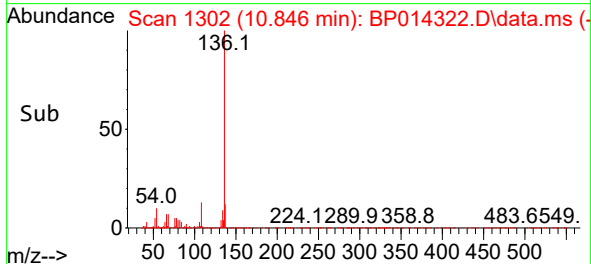
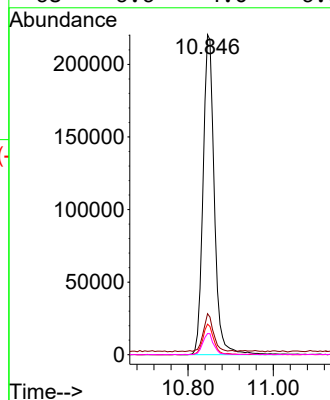
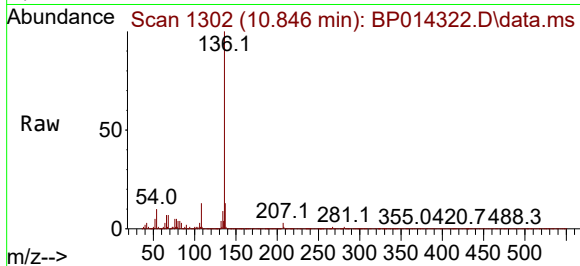




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.846 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP014322.D
Acq: 27 Mar 2023 20:39

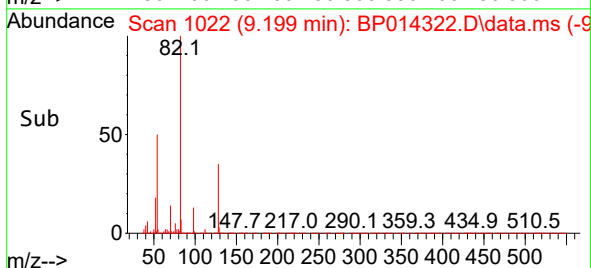
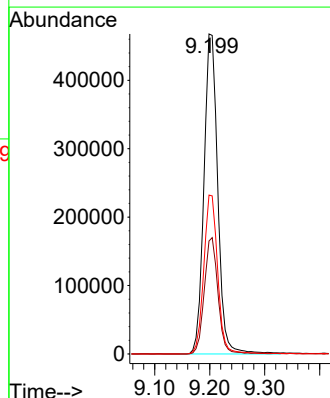
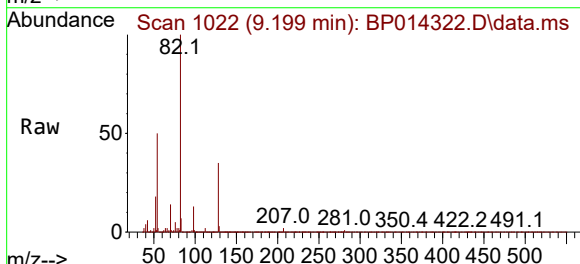
Instrument :
BNA_P
ClientSampleId :
TP-13-TEST-PIT-ON-GRAVELLYRE

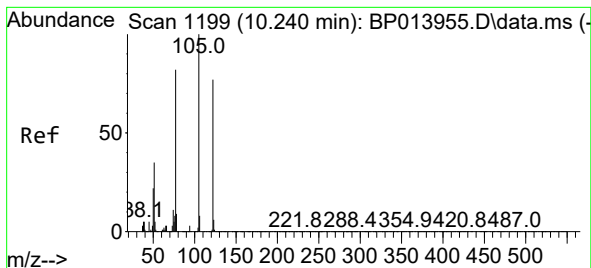
Tgt Ion:136 Resp: 403662
Ion Ratio Lower Upper
136 100
137 12.8 8.7 13.1
54 9.6 5.8 8.8#
68 6.6 4.0 6.0#



#23
Nitrobenzene-d5
Concen: 92.605 ng
RT: 9.199 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BP014322.D
Acq: 27 Mar 2023 20:39

Tgt Ion: 82 Resp: 817863
Ion Ratio Lower Upper
82 100
128 35.3 31.1 46.7
54 49.6 40.0 60.0





#32

Benzoic acid

Concen: 2.707 ng

RT: 10.175 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

Instrument :

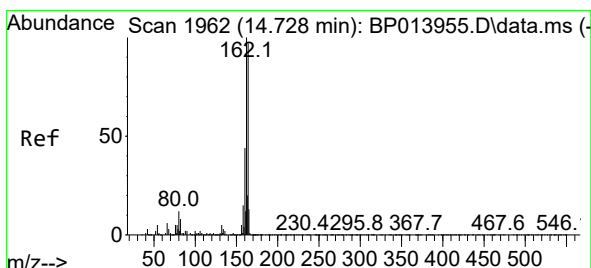
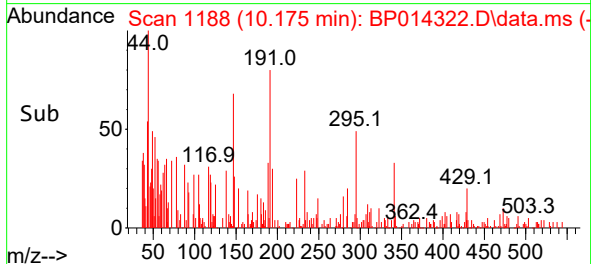
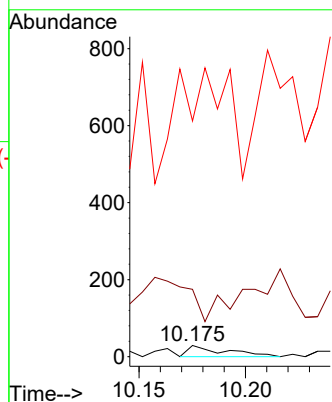
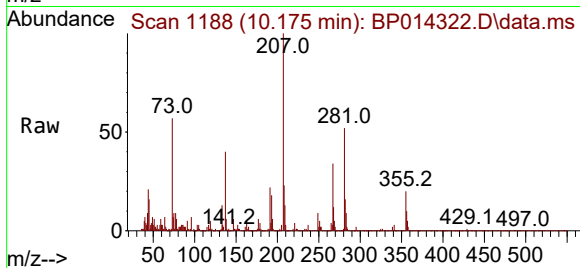
BNA_P

ClientSampleId :

TP-13-TEST-PIT-ON-GRAVELLYRE

Tgt Ion:122 Resp: 35

Ion	Ratio	Lower	Upper
122	100		
105	603.4	108.2	148.2#
77	2110.3	85.2	125.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.675 min Scan# 1953

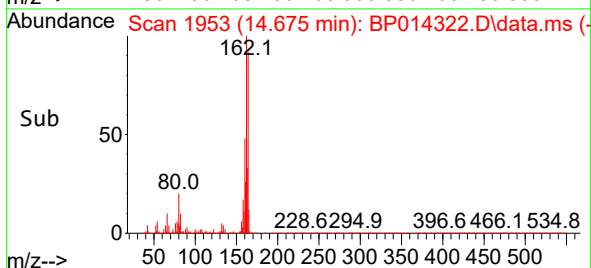
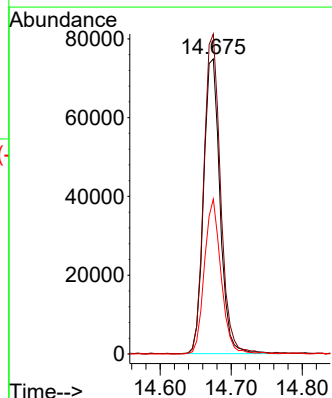
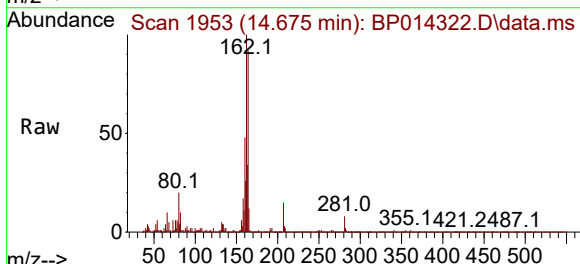
Delta R.T. 0.000 min

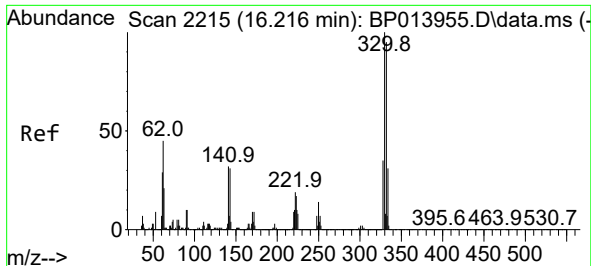
Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

Tgt Ion:164 Resp: 120338

Ion	Ratio	Lower	Upper
164	100		
162	108.4	82.1	123.1
160	52.5	36.2	54.2

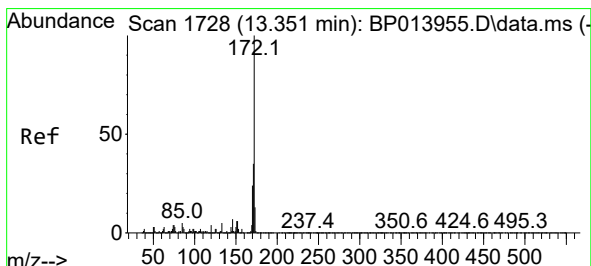
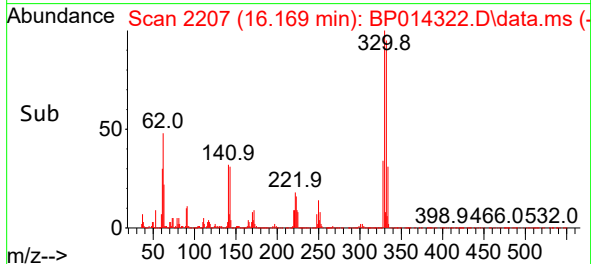
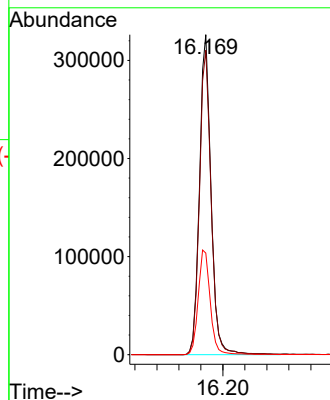
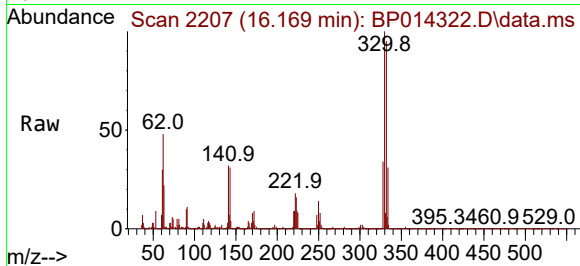




#42
2,4,6-Tribromophenol
Concen: 244.078 ng
RT: 16.169 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP014322.D
Acq: 27 Mar 2023 20:39

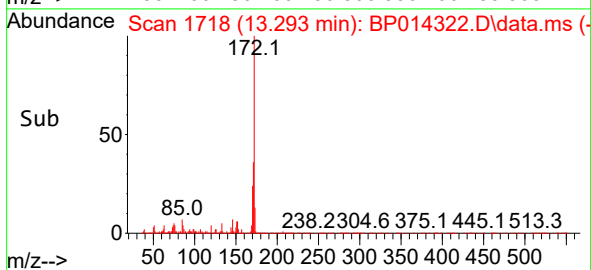
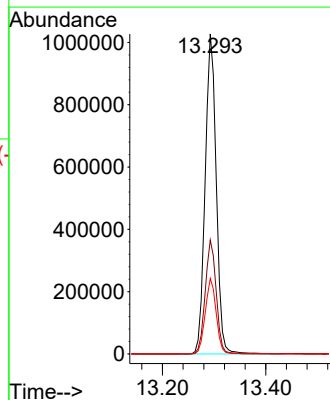
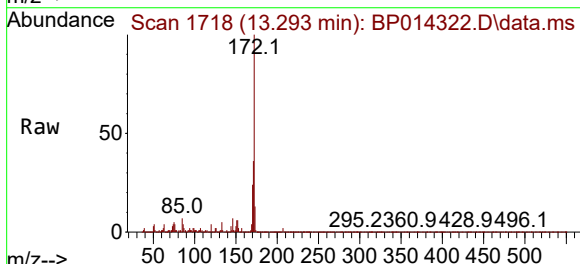
Instrument :
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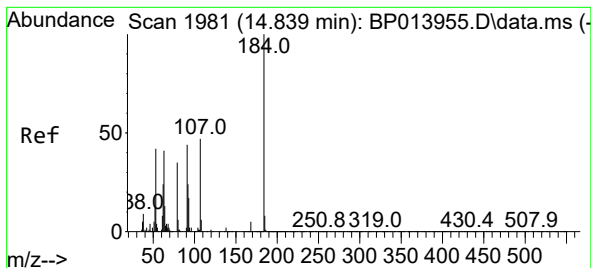
Tgt Ion:330 Resp: 476221
Ion Ratio Lower Upper
330 100
332 96.0 77.1 115.7
141 34.1 25.6 38.4



#45
2-Fluorobiphenyl
Concen: 164.600 ng
RT: 13.293 min Scan# 1718
Delta R.T. -0.006 min
Lab File: BP014322.D
Acq: 27 Mar 2023 20:39

Tgt Ion:172 Resp: 1528864
Ion Ratio Lower Upper
172 100
171 35.6 28.3 42.5
170 23.6 19.0 28.4





#54

2,4-Dinitrophenol

Concen: 3.091 ng

RT: 14.798 min Scan# 1981

Delta R.T. 0.000 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

Instrument :

BNA_P

ClientSampleId :

TP-13-TEST-PIT-ON-GRAVELLYRE

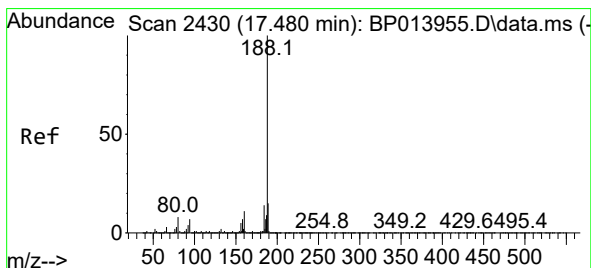
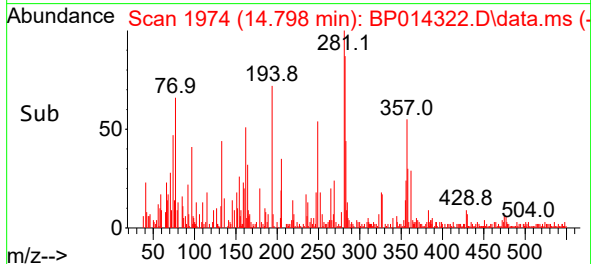
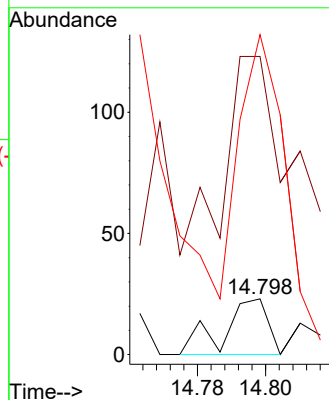
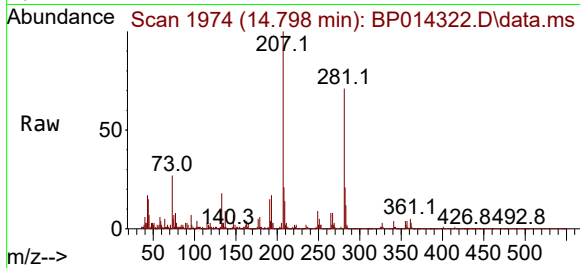
Tgt Ion:184 Resp: 21

Ion Ratio Lower Upper

184 100

63 534.8 52.4 78.6#

154 573.9 59.4 89.2#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.434 min Scan# 2422

Delta R.T. 0.000 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

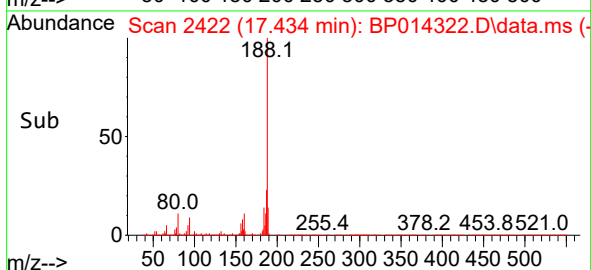
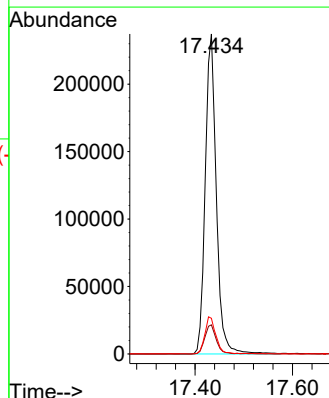
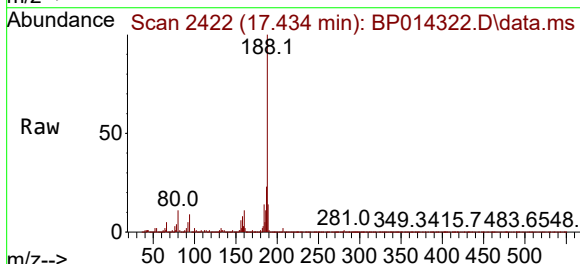
Tgt Ion:188 Resp: 372572

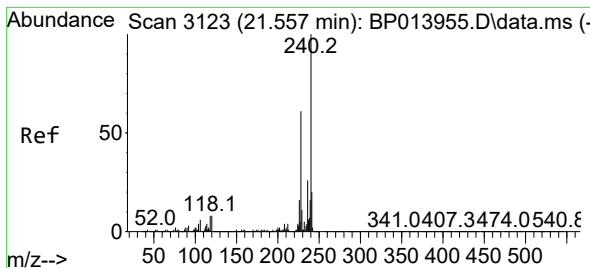
Ion Ratio Lower Upper

188 100

94 9.1 5.8 8.6#

80 11.2 6.6 9.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.516 min Scan# 3123

Delta R.T. 0.000 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

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BNA_P

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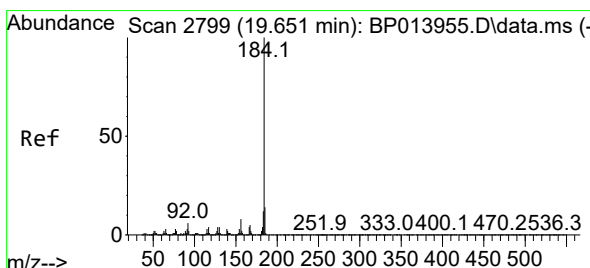
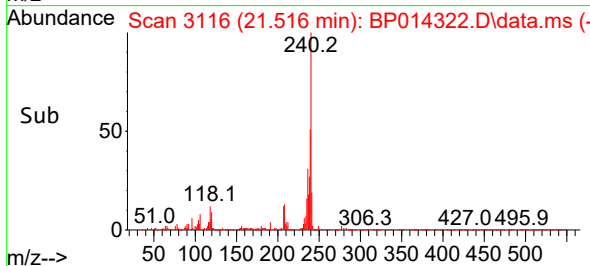
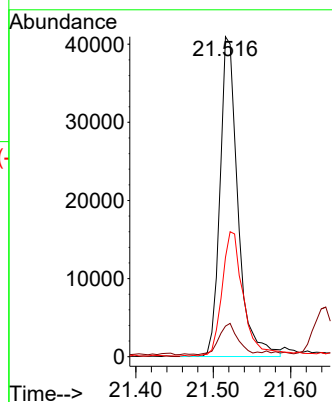
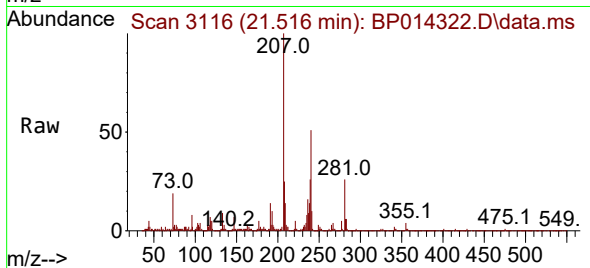
Tgt Ion:240 Resp: 65832

Ion Ratio Lower Upper

240 100

120 9.6 6.4 9.6

236 31.1 21.2 31.8



#77

Benzidine

Concen: 3.028 ng

RT: 19.610 min Scan# 2792

Delta R.T. -0.012 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

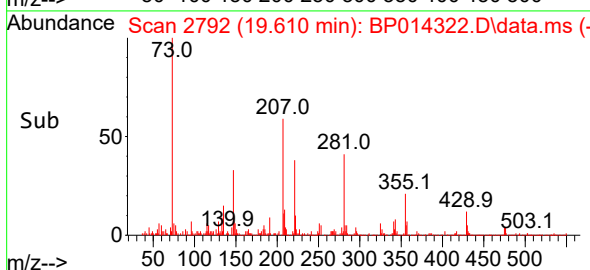
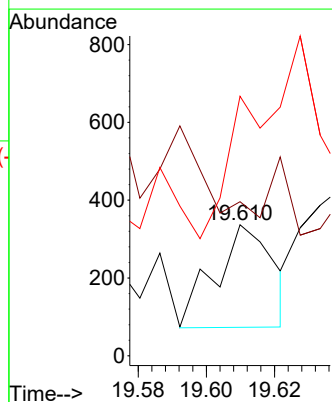
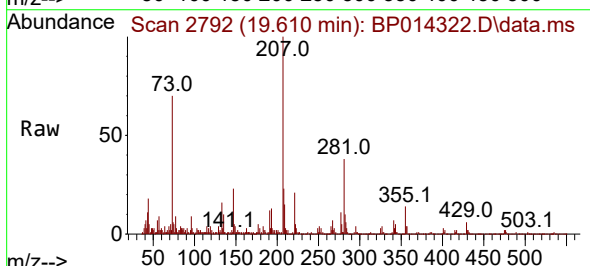
Tgt Ion:184 Resp: 312

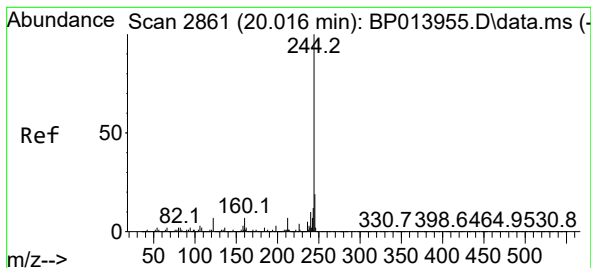
Ion Ratio Lower Upper

184 100

185 117.5 11.6 17.4#

183 197.9 9.7 14.5#





#79

Terphenyl-d14

Concen: 450.584 ng

RT: 19.969 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

Instrument :

BNA_P

ClientSampleId :

TP-13-TEST-PIT-ON-GRAVELLYRE

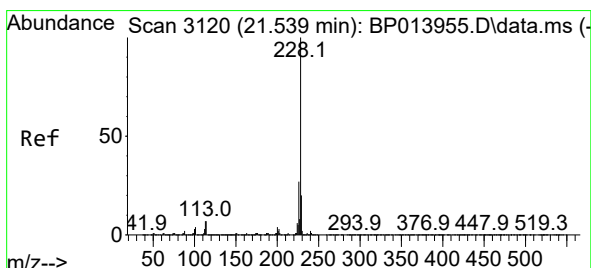
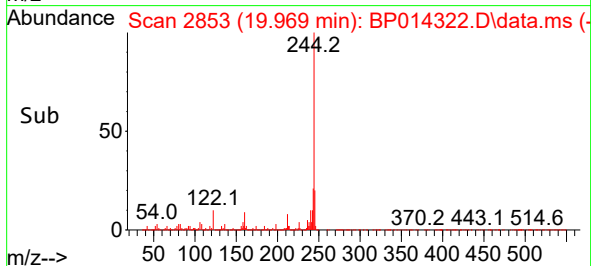
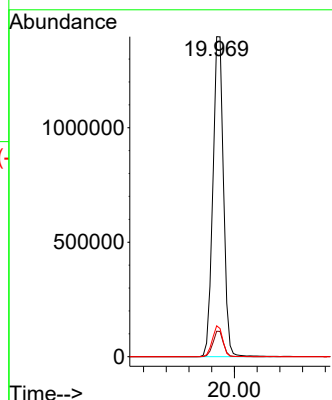
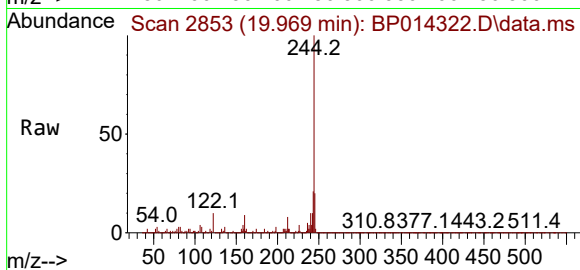
Tgt Ion:244 Resp: 1798897

Ion Ratio Lower Upper

244 100

212 8.0 6.0 9.0

122 9.6 5.8 8.6#



#81

Benzo(a)anthracene

Concen: 9.671 ng

RT: 21.645 min Scan# 3138

Delta R.T. 0.147 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

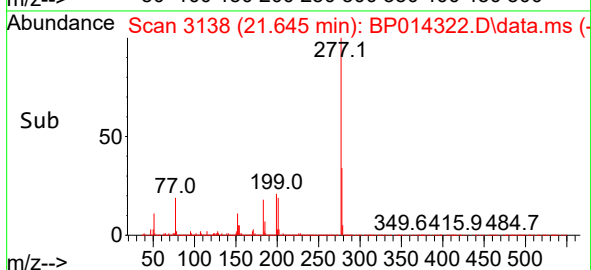
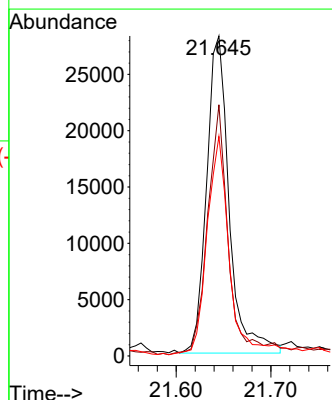
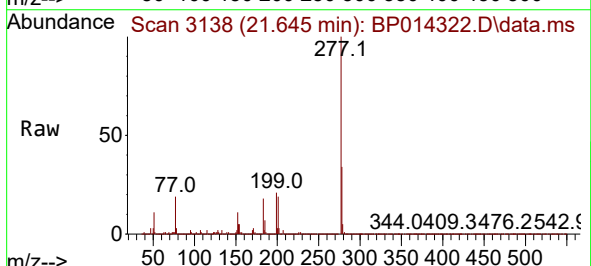
Tgt Ion:228 Resp: 46715

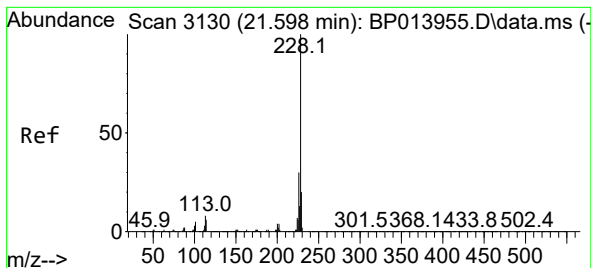
Ion Ratio Lower Upper

228 100

226 78.5 21.8 32.8#

229 68.6 15.8 23.6#





#83

Chrysene

Concen: 10.212 ng

RT: 21.645 min Scan# 31

Delta R.T. 0.088 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

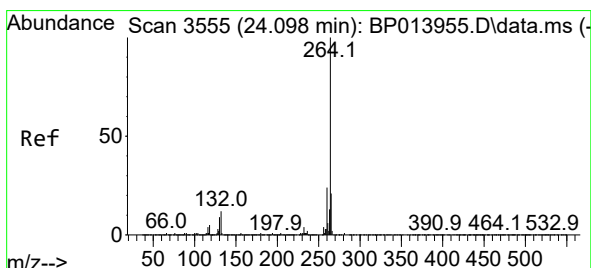
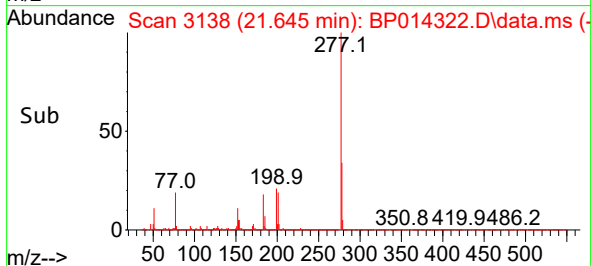
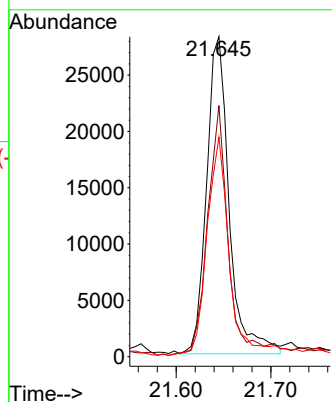
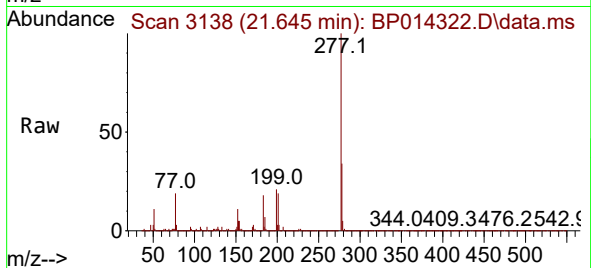
Instrument :

BNA_P

ClientSampleId :

TP-13-TEST-PIT-ON-GRAVELLYRE

Tgt Ion:	228	Resp:	46715
Ion Ratio	Lower	Upper	
228	100		
226	78.5	24.2	36.4#
229	68.6	15.8	23.8#



#86

Perylene-d12

Concen: 20.000 ng

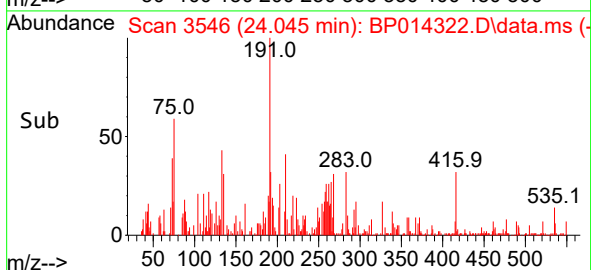
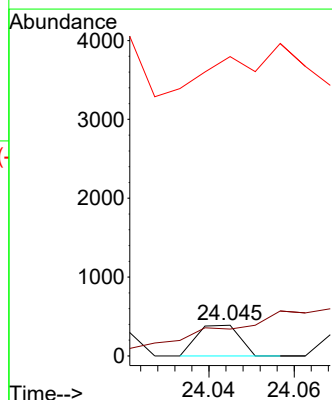
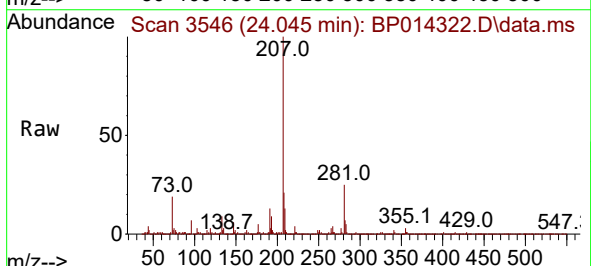
RT: 24.045 min Scan# 3546

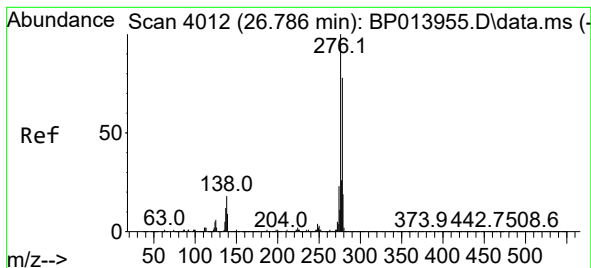
Delta R.T. 0.012 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

Tgt Ion:	264	Resp:	271
Ion Ratio	Lower	Upper	
264	100		
260	87.2	19.4	29.2#
265	973.3	17.8	26.8#





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.790 ng

RT: 26.710 min Scan# 3416

Delta R.T. 0.024 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

Instrument :

BNA_P

ClientSampleId :

TP-13-TEST-PIT-ON-GRAVELLYRE

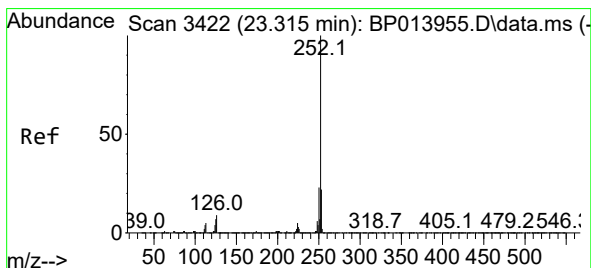
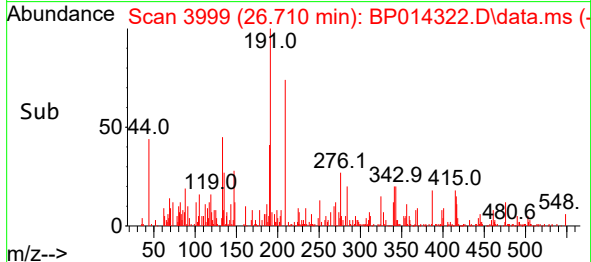
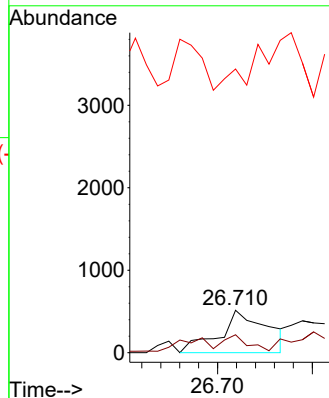
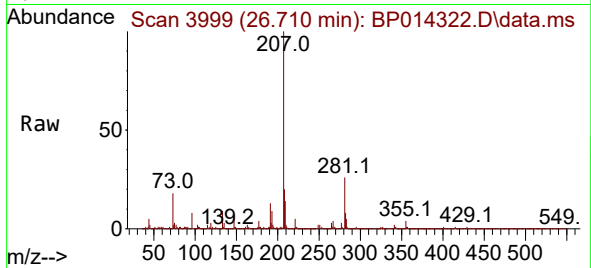
Tgt Ion:276 Resp: 896

Ion Ratio Lower Upper

276 100

138 18.0 13.8 20.8

277 0.0 20.4 30.6#



#88

Benzo(b)fluoranthene

Concen: 141.560 ng

RT: 23.280 min Scan# 3416

Delta R.T. 0.018 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

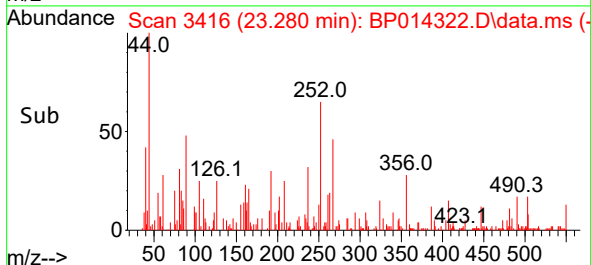
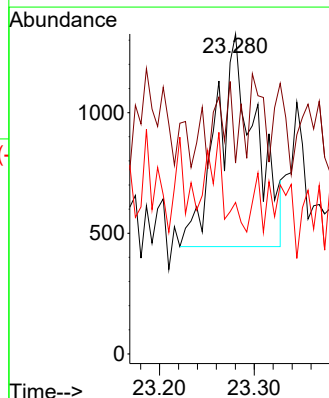
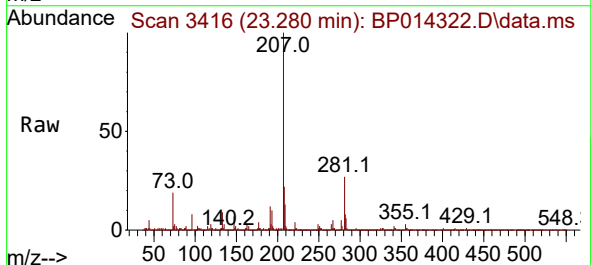
Tgt Ion:252 Resp: 2512

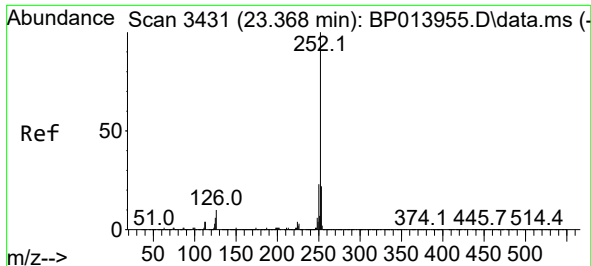
Ion Ratio Lower Upper

252 100

253 59.7 17.5 26.3#

125 68.1 5.6 8.4#





#89

Benzo(k)fluoranthene

Concen: 19.495 ng

RT: 23.345 min Scan# 3431

Delta R.T. 0.029 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

Instrument :

BNA_P

ClientSampleId :

TP-13-TEST-PIT-ON-GRAVELLYRE

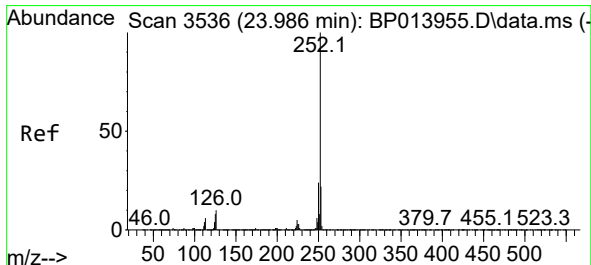
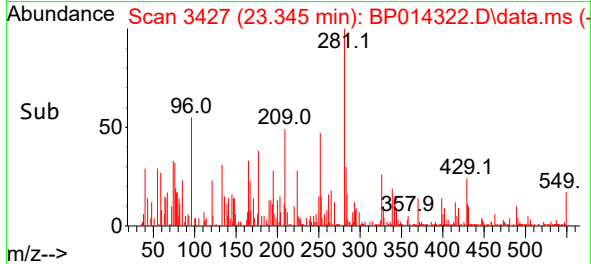
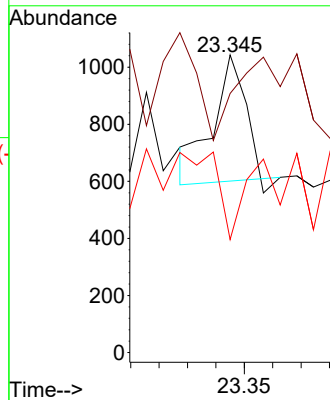
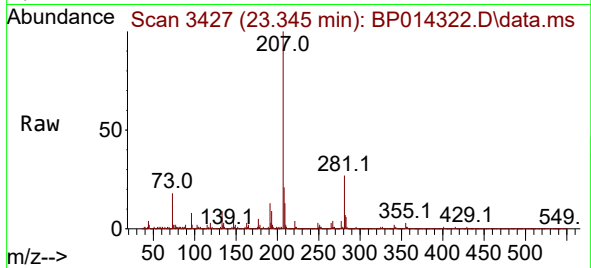
Tgt Ion:252 Resp: 343

Ion Ratio Lower Upper

252 100

253 87.1 17.4 26.0#

125 38.0 5.4 8.0#



#90

Benzo(a)pyrene

Concen: 23.455 ng

RT: 23.951 min Scan# 3530

Delta R.T. 0.029 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

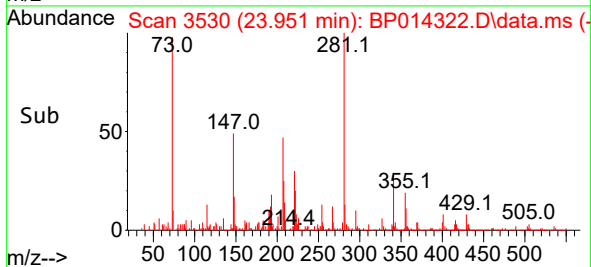
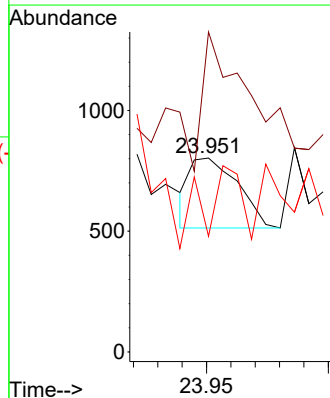
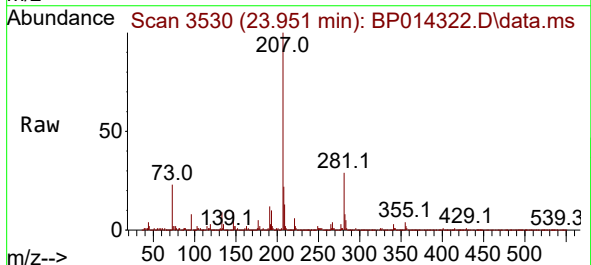
Tgt Ion:252 Resp: 397

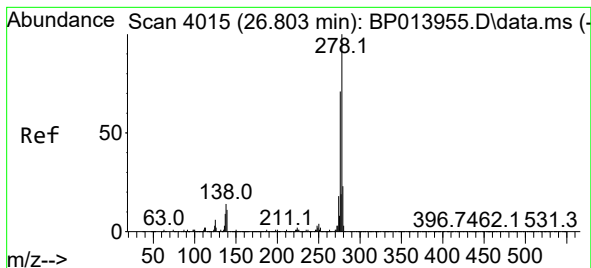
Ion Ratio Lower Upper

252 100

253 165.0 17.4 26.2#

125 59.7 6.2 9.4#





#91

Dibenzo(a,h)anthracene

Concen: 33.261 ng

RT: 26.592 min Scan# 3979

Delta R.T. -0.106 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

Instrument :

BNA_P

ClientSampleId :

TP-13-TEST-PIT-ON-GRAVELLYRE

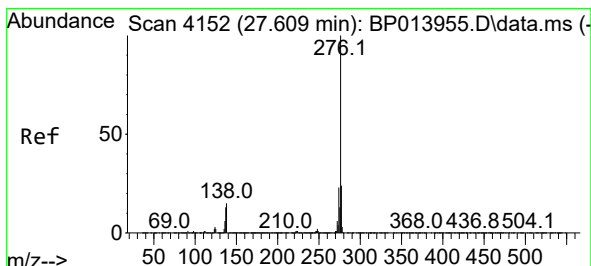
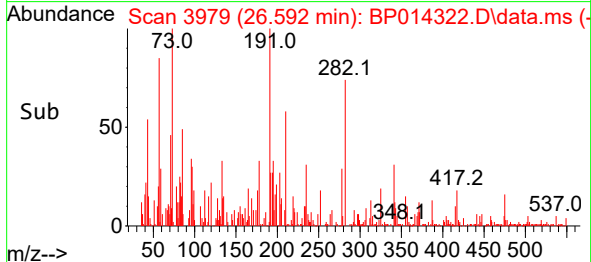
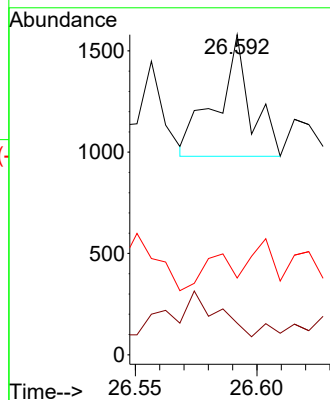
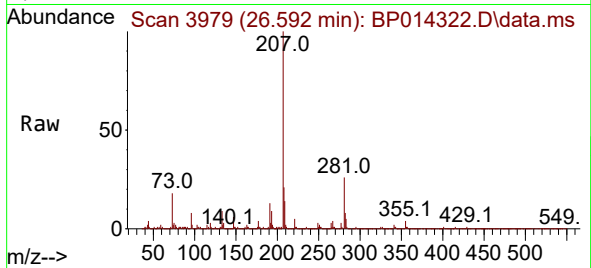
Tgt Ion:278 Resp: 579

Ion Ratio Lower Upper

278 100

139 9.9 8.7 13.1

279 24.0 18.8 28.2



#92

Benzo(g,h,i)perylene

Concen: 256.729 ng

RT: 27.521 min Scan# 4137

Delta R.T. 0.018 min

Lab File: BP014322.D

Acq: 27 Mar 2023 20:39

Tgt Ion:276 Resp: 4429

Ion Ratio Lower Upper

276 100

277 181.9 19.4 29.0#

138 25.2 12.2 18.4#

