

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020824\
 Data File : BP019607.D
 Acq On : 08 Feb 2024 13:31
 Operator : MA/JU
 Sample : P1375-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1

Quant Time: Feb 08 13:56:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

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

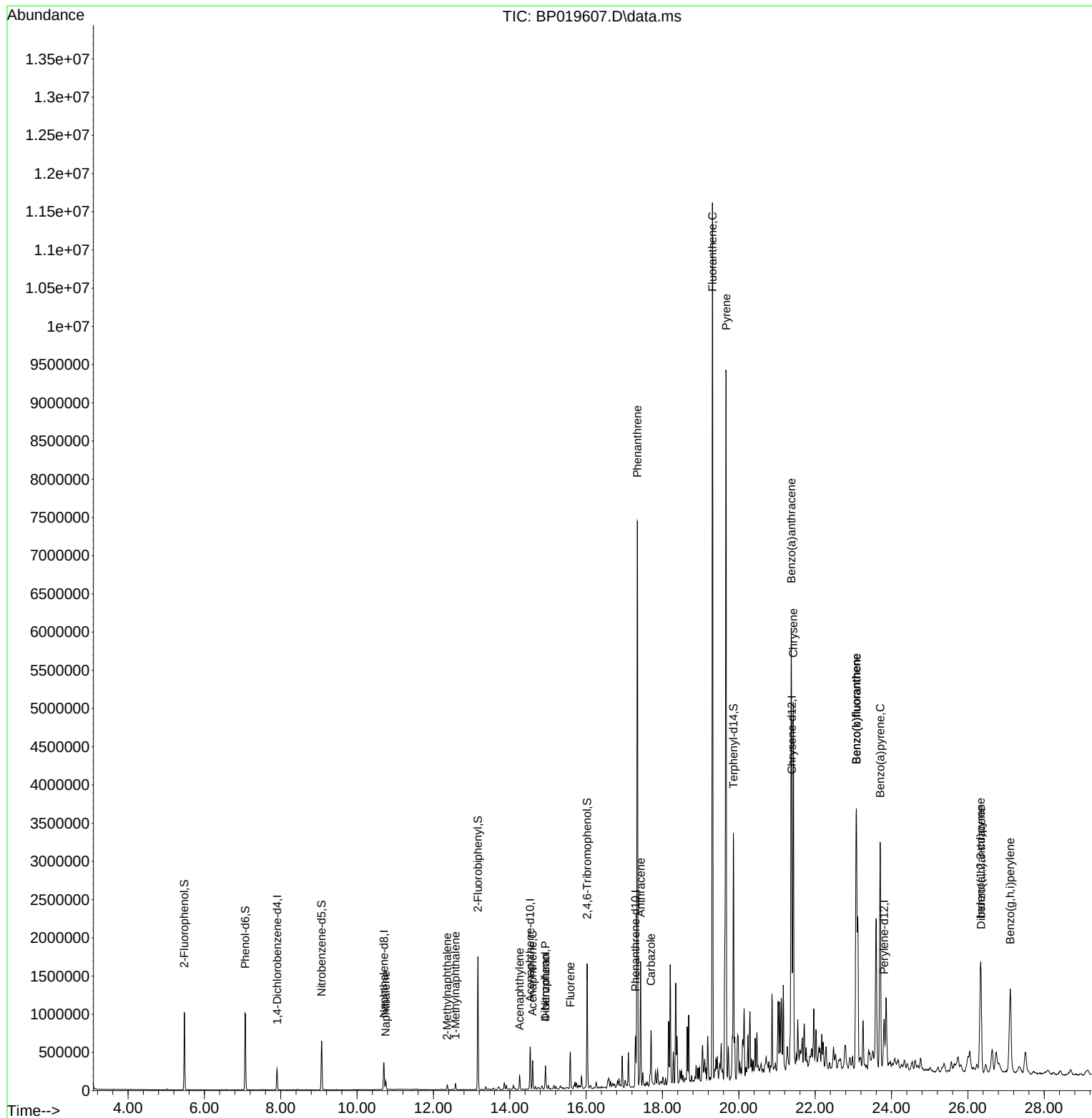
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	72475	20.000	ng	-0.01
21) Naphthalene-d8	10.705	136	285722	20.000	ng	-0.01
39) Acenaphthene-d10	14.534	164	191928	20.000	ng	-0.02
64) Phenanthrene-d10	17.292	188	436399	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	447580	20.000	ng	0.00
86) Perylene-d12	23.804	264	506671	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	408112	90.768	ng	-0.01
7) Phenol-d6	7.069	99	556916	91.862	ng	-0.02
23) Nitrobenzene-d5	9.069	82	380736	57.741	ng	-0.02
42) 2,4,6-Tribromophenol	16.028	330	291477	104.014	ng	-0.01
45) 2-Fluorobiphenyl	13.163	172	896766	57.762	ng	-0.02
79) Terphenyl-d14	19.857	244	1611251	59.202	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.752	128	86262	5.505	ng	97
37) 2-Methylnaphthalene	12.363	142	28527	2.630	ng	97
38) 1-Methylnaphthalene	12.581	142	34649	3.251	ng	100
49) Acenaphthylene	14.257	152	117690	6.671	ng	98
52) Acenaphthene	14.598	154	130249	11.896	ng	97
55) Dibenzofuran	14.934	168	169895	9.527	ng	98
56) 4-Nitrophenol	14.934	139	68757	28.277	ng	# 1
58) Fluorene	15.587	166	213989	15.066	ng	99
71) Phenanthrene	17.345	178	4817487	209.764	ng	99
72) Anthracene	17.428	178	1009005	44.042	ng	100
73) Carbazole	17.698	167	446912	21.473	ng	100
75) Fluoranthene	19.310	202	7368377	262.635	ng	99
78) Pyrene	19.669	202	6437029	203.779	ng	99
81) Benzo(a)anthracene	21.375	228	3183527	101.044	ng	98
83) Chrysene	21.428	228	2745057	91.770	ng	97
87) Indeno(1,2,3-cd)pyrene	26.333	276	1717802	44.292	ng	# 96
88) Benzo(b)fluoranthene	23.080	252	3397181	106.384	ng	98
89) Benzo(k)fluoranthene	23.080	252	3397181	111.370	ng	98
90) Benzo(a)pyrene	23.704	252	2607450	91.769	ng	98
91) Dibenzo(a,h)anthracene	26.345	278	420923	13.196	ng	# 85
92) Benzo(g,h,i)perylene	27.110	276	1662794	51.383	ng	99

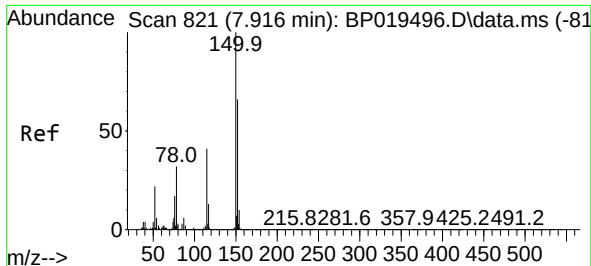
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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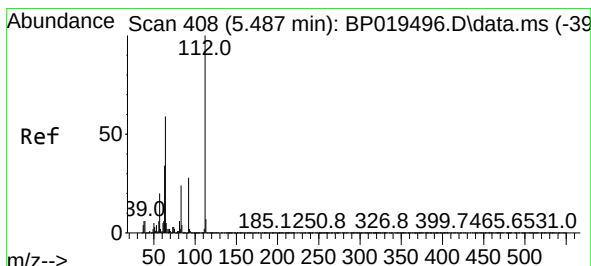
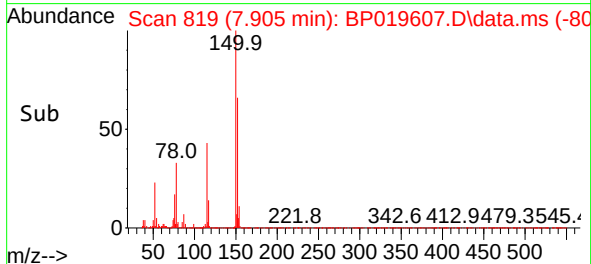
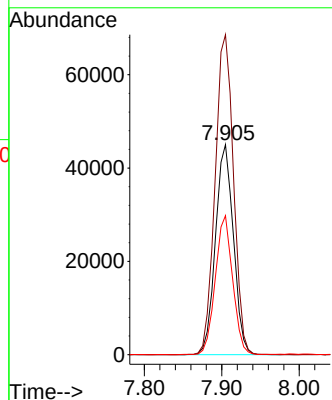
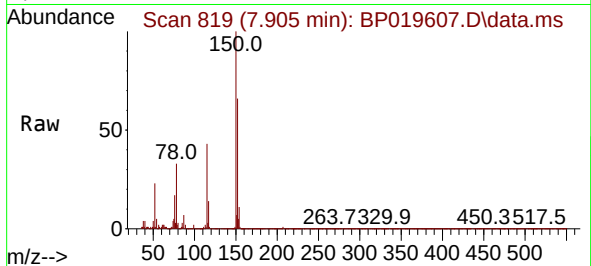




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

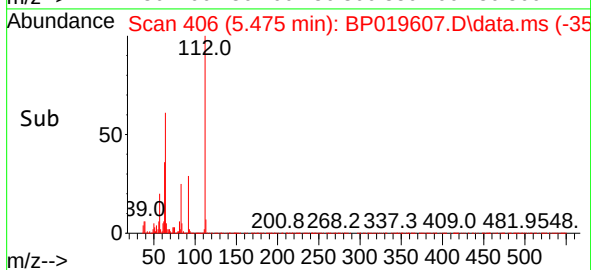
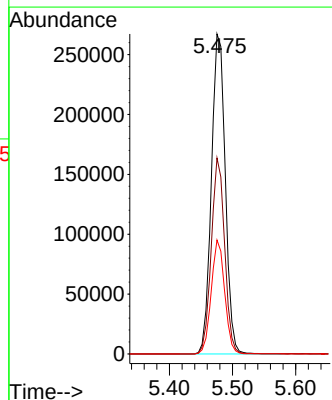
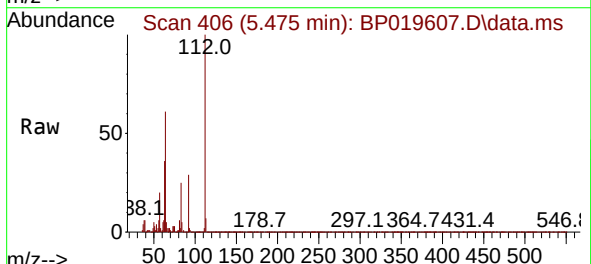
Instrument :
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ClientSampleId :
TP-1

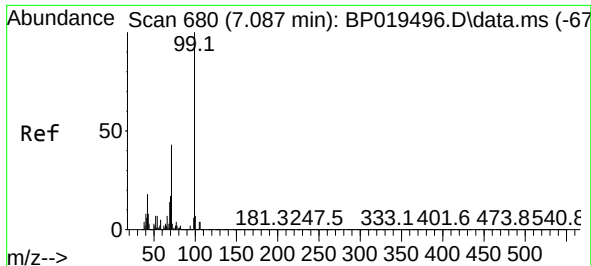
Tgt Ion:152 Resp: 72475
Ion Ratio Lower Upper
152 100
150 152.3 121.8 182.8
115 66.2 49.9 74.9



#5
2-Fluorophenol
Concen: 90.768 ng
RT: 5.475 min Scan# 406
Delta R.T. -0.011 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

Tgt Ion:112 Resp: 408112
Ion Ratio Lower Upper
112 100
64 61.3 47.4 71.0
63 35.6 27.0 40.6

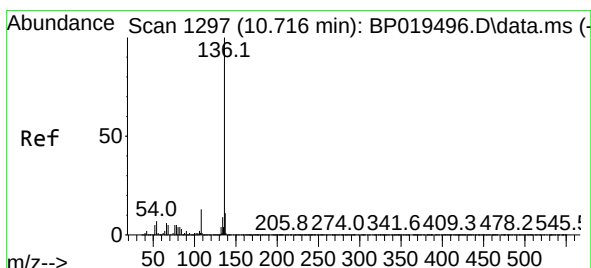
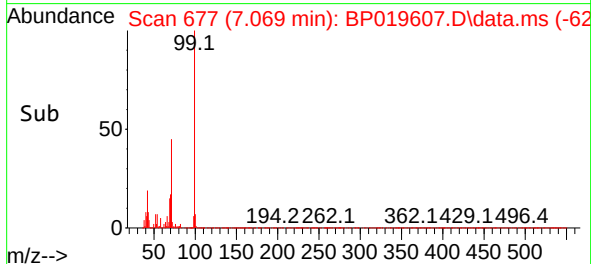
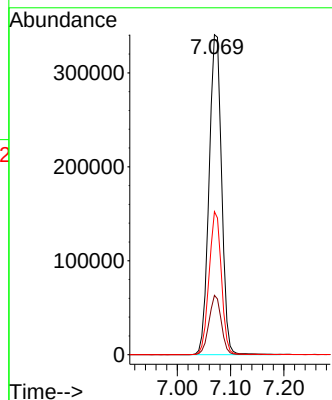
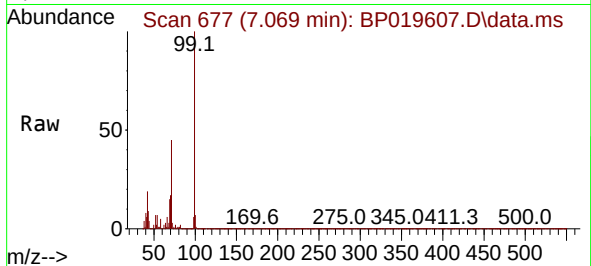




#7
Phenol-d6
Concen: 91.862 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.017 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

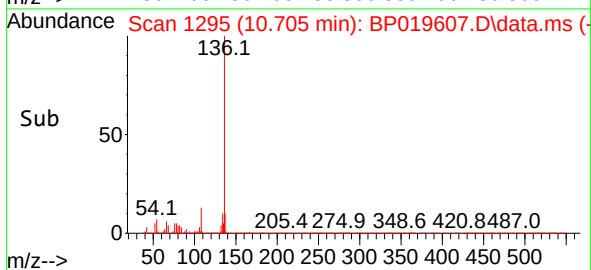
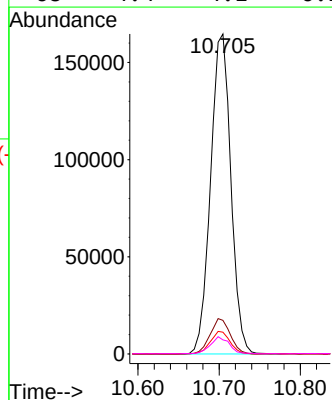
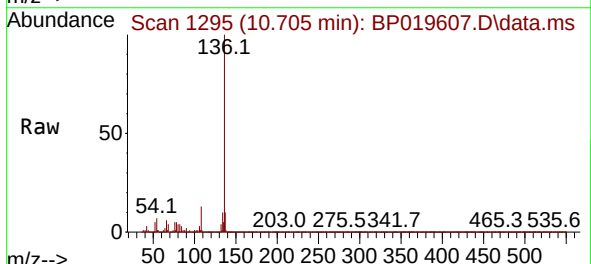
Instrument :
BNA_P
ClientSampleId :
TP-1

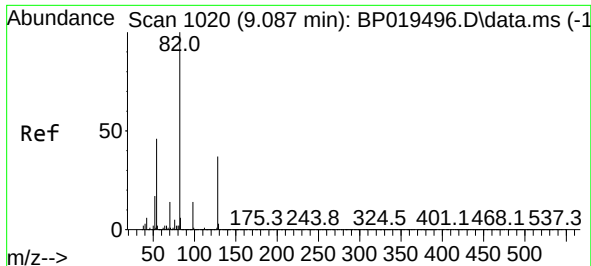
Tgt Ion: 99 Resp: 556916
Ion Ratio Lower Upper
99 100
42 18.6 14.7 22.1
71 44.7 34.8 52.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.705 min Scan# 1295
Delta R.T. -0.011 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

Tgt Ion: 136 Resp: 285722
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 6.8 5.3 7.9
68 4.4 4.1 6.1

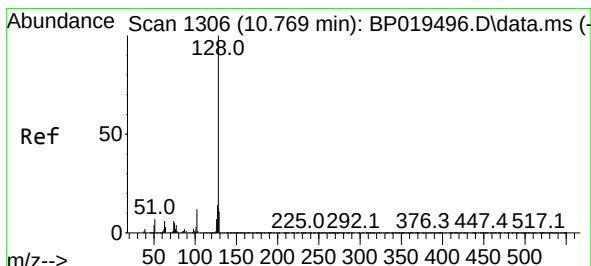
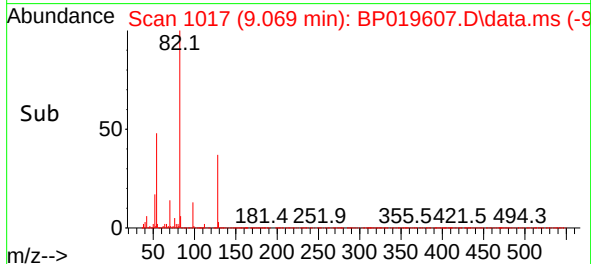
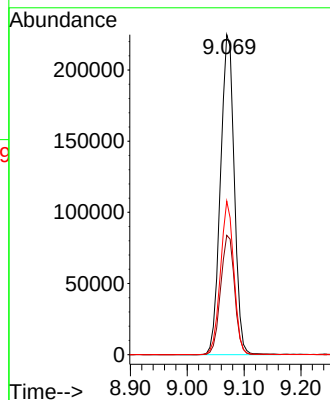
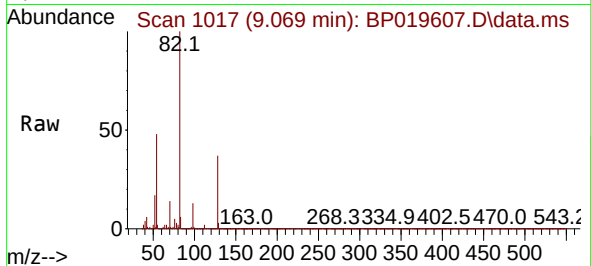




#23
Nitrobenzene-d5
Concen: 57.741 ng
RT: 9.069 min Scan# 1017
Delta R.T. -0.017 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

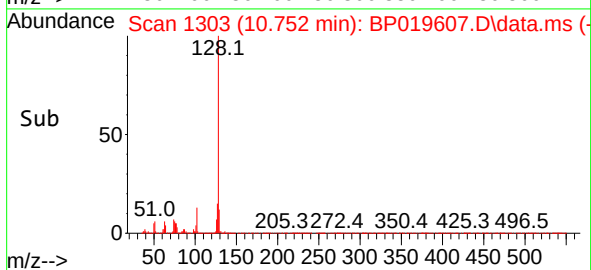
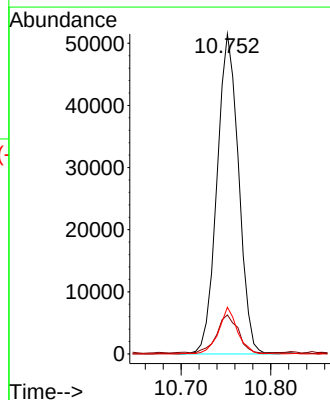
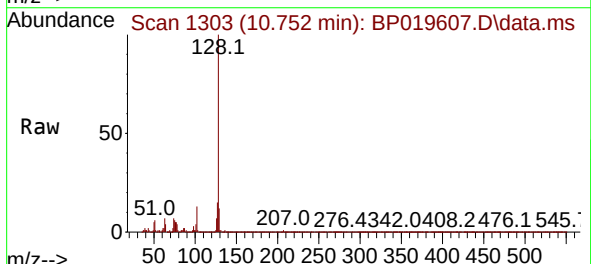
Instrument :
BNA_P
ClientSampleId :
TP-1

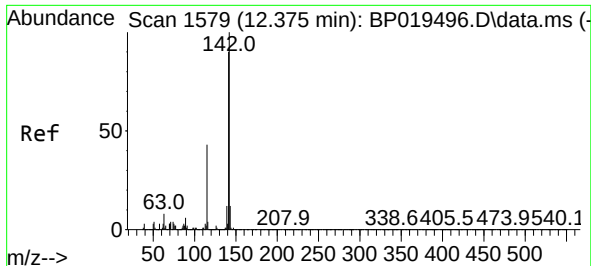
Tgt Ion: 82 Resp: 380736
Ion Ratio Lower Upper
82 100
128 37.3 29.7 44.5
54 48.0 36.8 55.2



#31
Naphthalene
Concen: 5.505 ng
RT: 10.752 min Scan# 1303
Delta R.T. -0.017 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

Tgt Ion: 128 Resp: 86262
Ion Ratio Lower Upper
128 100
129 12.2 8.6 13.0
127 14.6 10.8 16.2

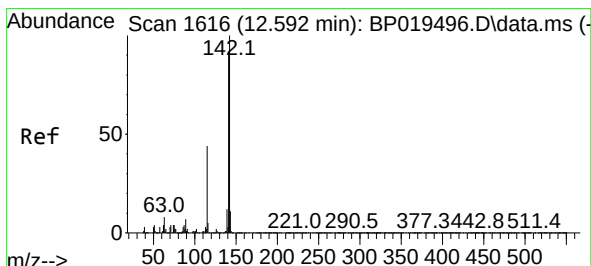
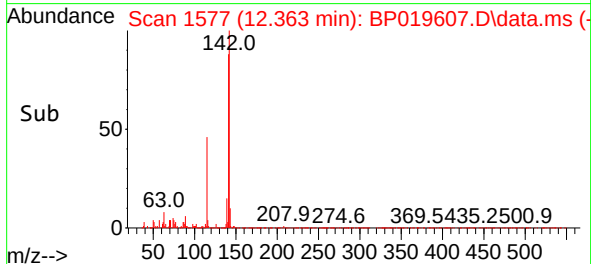
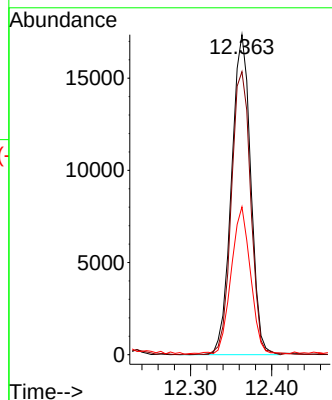
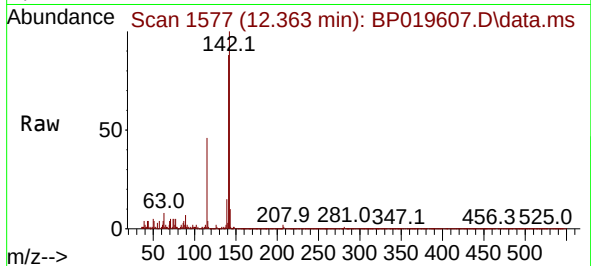




#37
2-Methylnaphthalene
Concen: 2.630 ng
RT: 12.363 min Scan# 1577
Delta R.T. -0.011 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

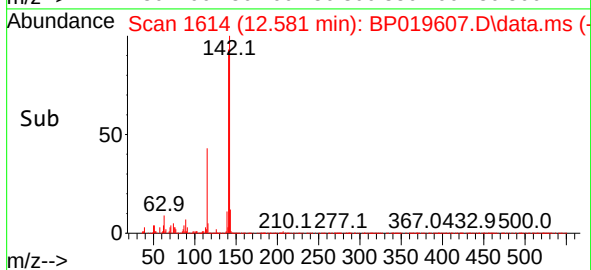
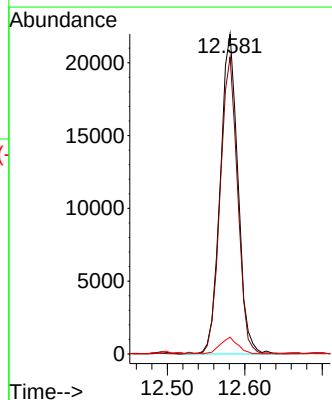
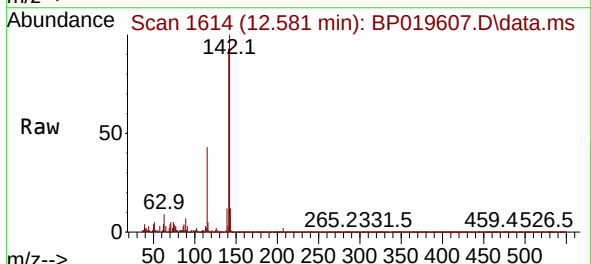
Instrument :
BNA_P
ClientSampleId :
TP-1

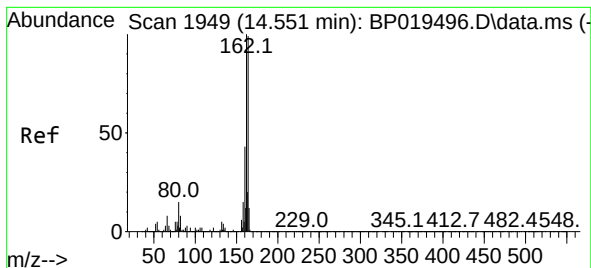
Tgt Ion:142 Resp: 28527
Ion Ratio Lower Upper
142 100
141 88.5 72.2 108.4
115 46.2 34.2 51.2



#38
1-Methylnaphthalene
Concen: 3.251 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.011 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

Tgt Ion:142 Resp: 34649
Ion Ratio Lower Upper
142 100
141 92.9 74.0 111.0
116 5.3 3.7 5.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.534 min Scan# 1946

Delta R.T. -0.017 min

Lab File: BP019607.D

Acq: 08 Feb 2024 13:31

Instrument :

BNA_P

ClientSampleId :

TP-1

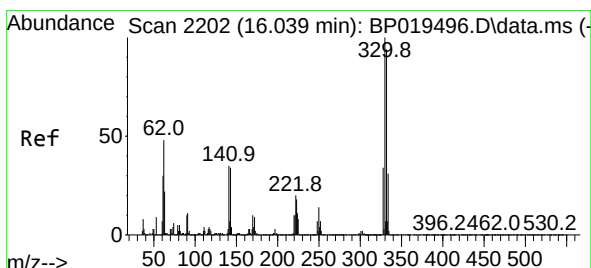
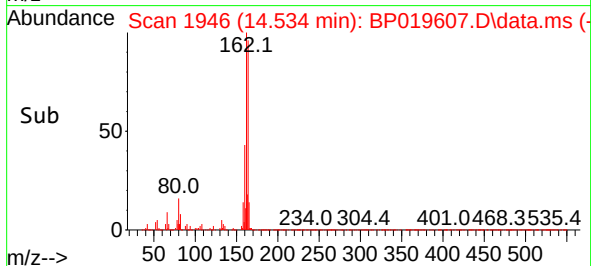
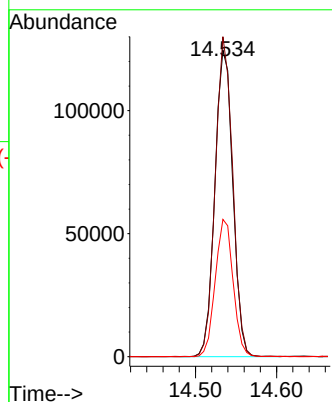
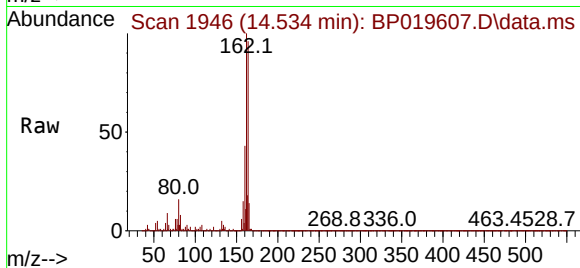
Tgt Ion:164 Resp: 191928

Ion Ratio Lower Upper

164 100

162 104.4 81.2 121.8

160 44.8 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 104.014 ng

RT: 16.028 min Scan# 2200

Delta R.T. -0.011 min

Lab File: BP019607.D

Acq: 08 Feb 2024 13:31

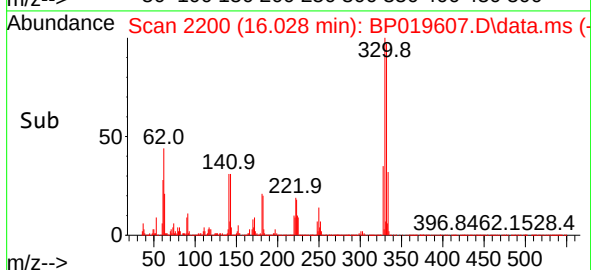
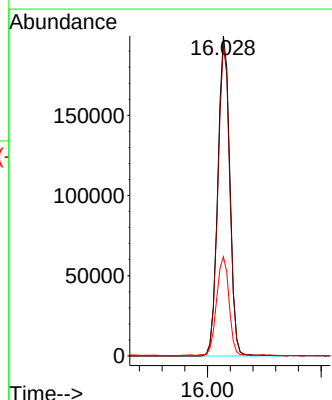
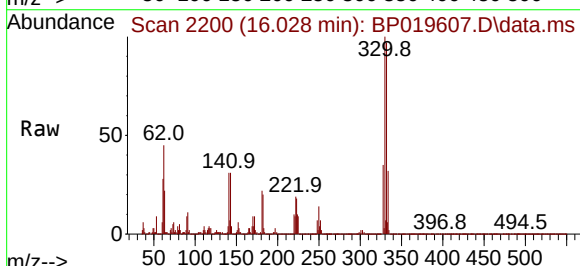
Tgt Ion:330 Resp: 291477

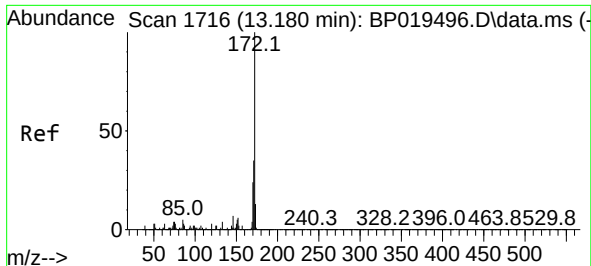
Ion Ratio Lower Upper

330 100

332 96.7 77.2 115.8

141 31.8 27.0 40.4

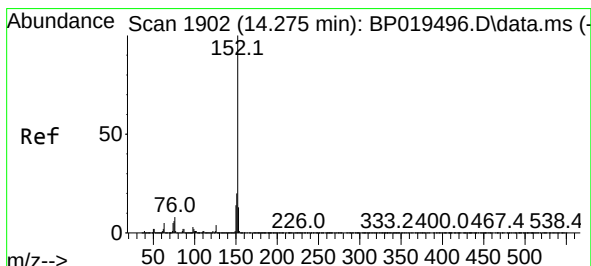
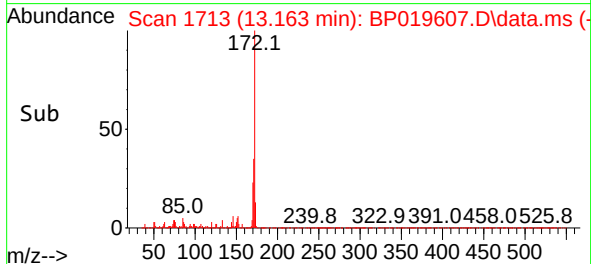
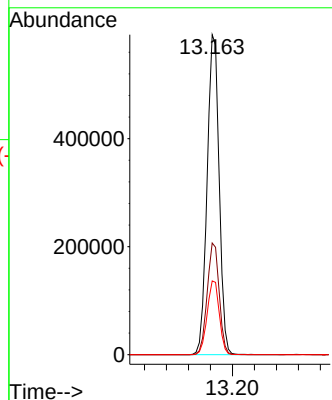
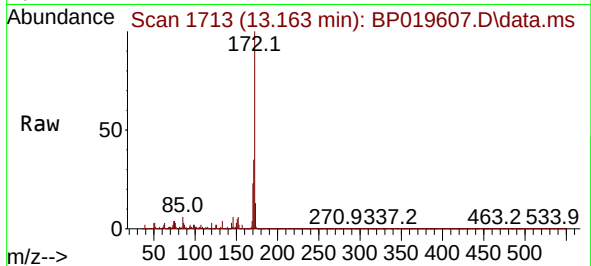




#45
2-Fluorobiphenyl
Concen: 57.762 ng
RT: 13.163 min Scan# 1
Delta R.T. -0.017 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

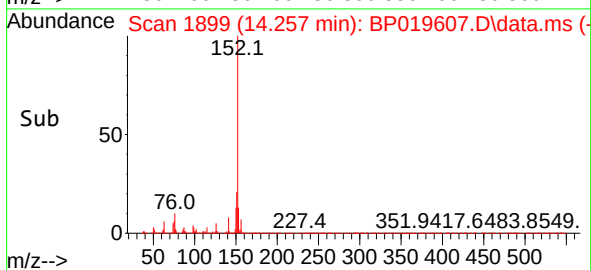
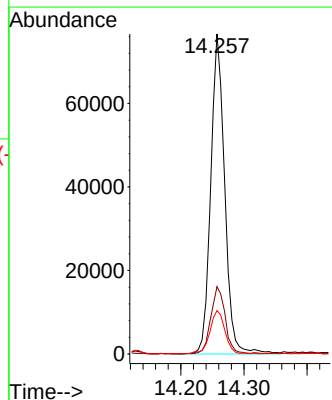
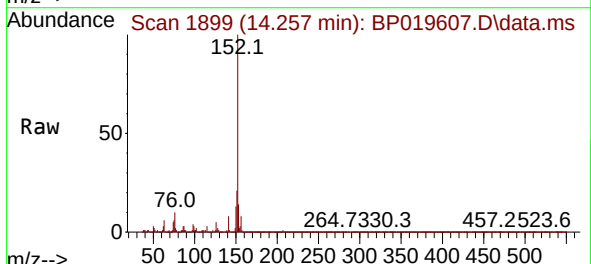
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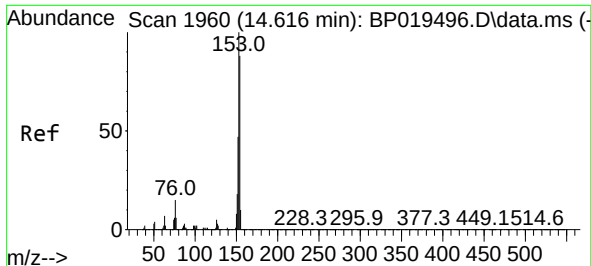
Tgt Ion:172 Resp: 896766
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 23.0 18.9 28.3



#49
Acenaphthylene
Concen: 6.671 ng
RT: 14.257 min Scan# 1899
Delta R.T. -0.017 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

Tgt Ion:152 Resp: 117690
Ion Ratio Lower Upper
152 100
151 21.1 15.8 23.6
153 13.6 10.6 15.8

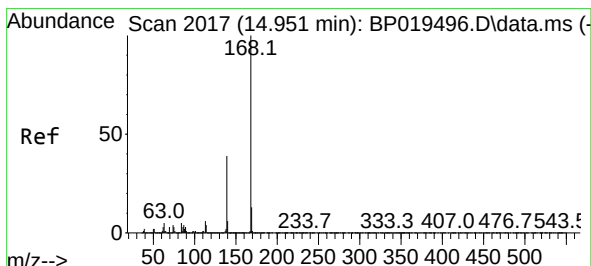
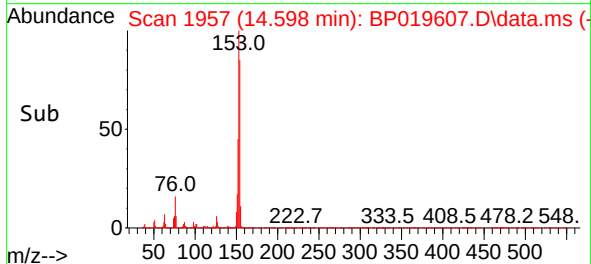
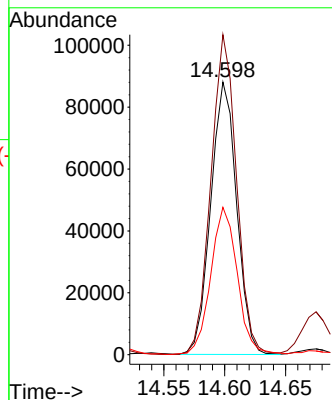
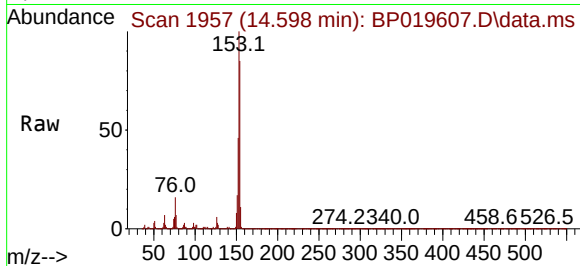




#52
Acenaphthene
Concen: 11.896 ng
RT: 14.598 min Scan# 1957
Delta R.T. -0.017 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

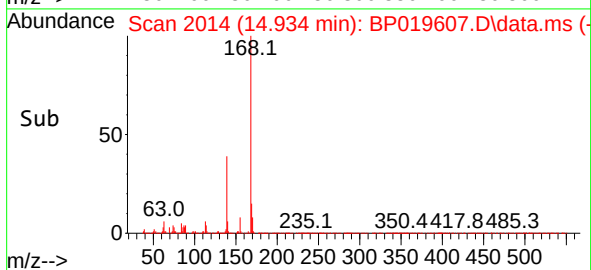
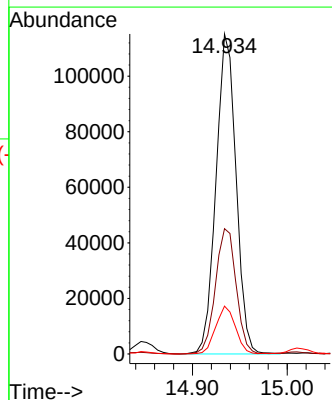
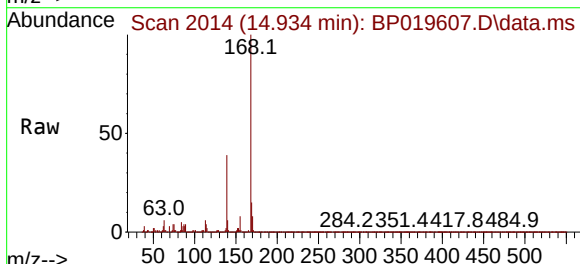
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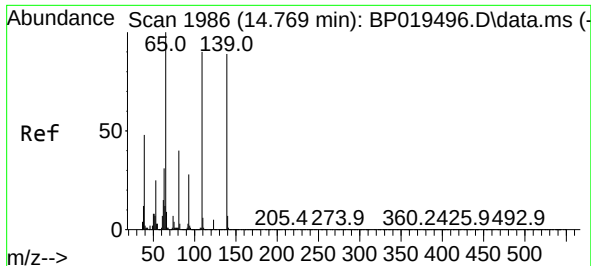
Tgt Ion:154 Resp: 130249
Ion Ratio Lower Upper
154 100
153 117.4 90.5 135.7
152 54.1 42.1 63.1



#55
Dibenzofuran
Concen: 9.527 ng
RT: 14.934 min Scan# 2014
Delta R.T. -0.017 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

Tgt Ion:168 Resp: 169895
Ion Ratio Lower Upper
168 100
139 39.1 31.5 47.3
169 14.9 10.3 15.5

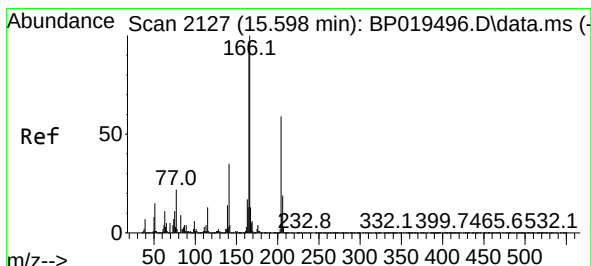
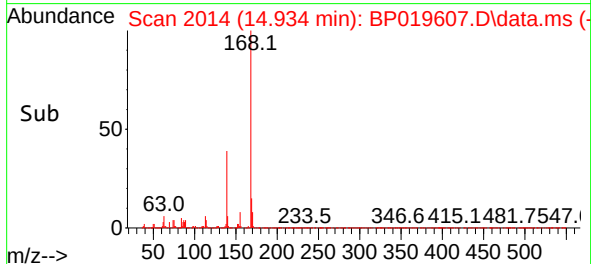
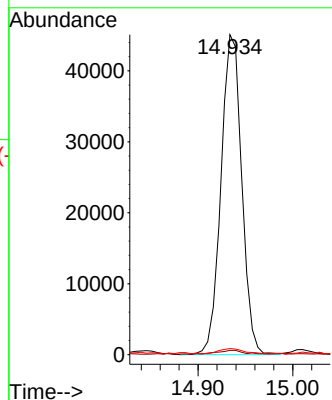
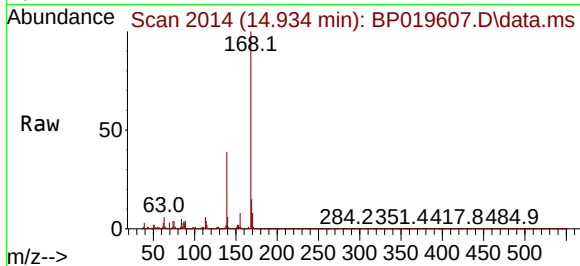




#56
4-Nitrophenol
Concen: 28.277 ng
RT: 14.934 min Scan# 2014
Delta R.T. 0.165 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

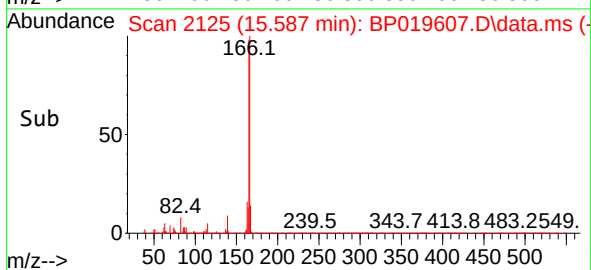
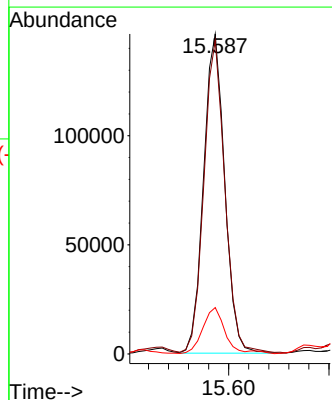
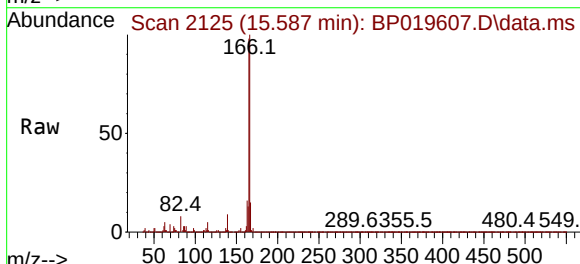
Instrument :
BNA_P
ClientSampleId :
TP-1

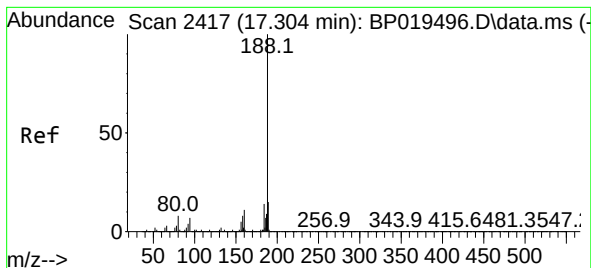
Tgt Ion:139 Resp: 68757
Ion Ratio Lower Upper
139 100
109 1.4 82.0 122.0#
65 1.9 92.9 132.9#



#58
Fluorene
Concen: 15.066 ng
RT: 15.587 min Scan# 2125
Delta R.T. -0.011 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

Tgt Ion:166 Resp: 213989
Ion Ratio Lower Upper
166 100
165 98.0 77.8 116.8
167 14.5 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.292 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BP019607.D

Acq: 08 Feb 2024 13:31

Instrument :

BNA_P

ClientSampleId :

TP-1

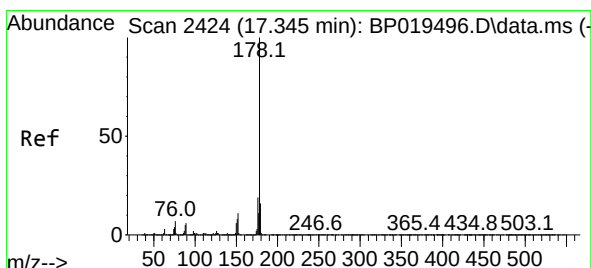
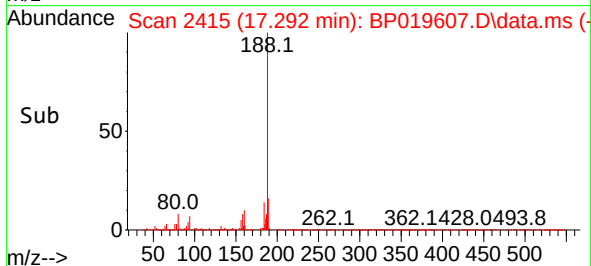
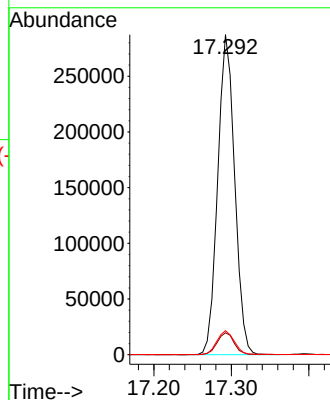
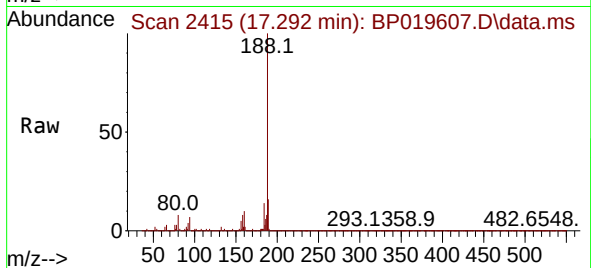
Tgt Ion:188 Resp: 436399

Ion Ratio Lower Upper

188 100

94 6.8 5.4 8.2

80 7.5 6.3 9.5



#71

Phenanthrene

Concen: 209.764 ng

RT: 17.345 min Scan# 2424

Delta R.T. 0.000 min

Lab File: BP019607.D

Acq: 08 Feb 2024 13:31

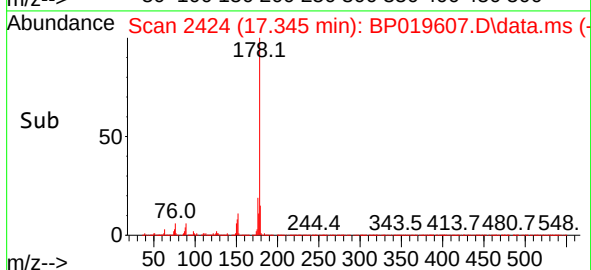
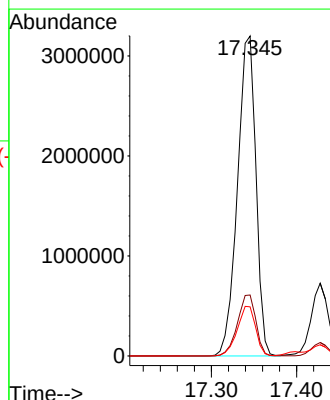
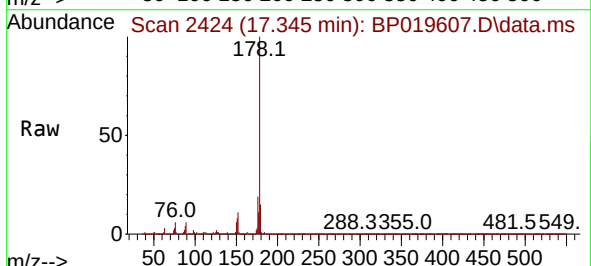
Tgt Ion:178 Resp: 4817487

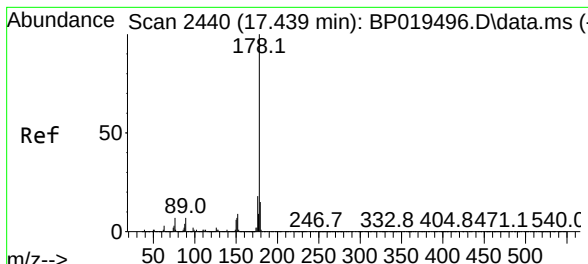
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.3 12.6 19.0



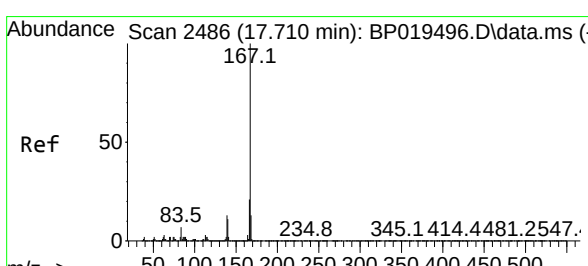
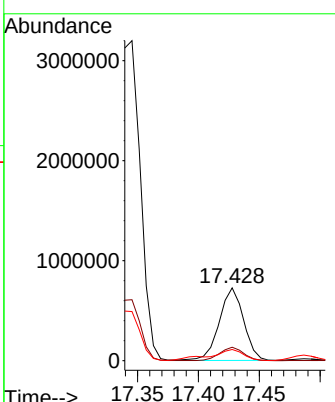
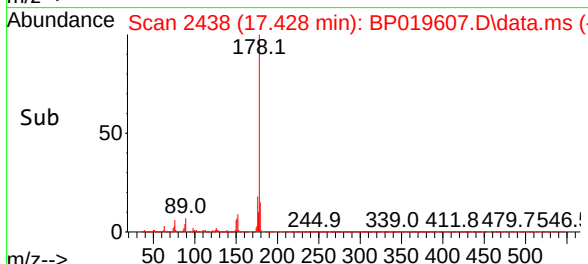
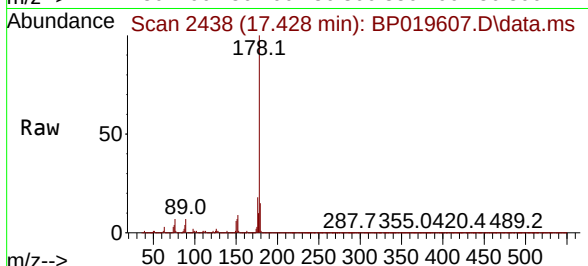


#72
 Anthracene
 Concen: 44.042 ng
 RT: 17.428 min Scan# 2440
 Delta R.T. -0.011 min
 Lab File: BP019607.D
 Acq: 08 Feb 2024 13:31

Instrument :
 BNA_P
 ClientSampleId :
 TP-1

Tgt Ion:178 Resp: 1009005

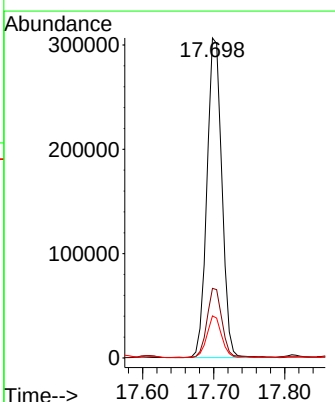
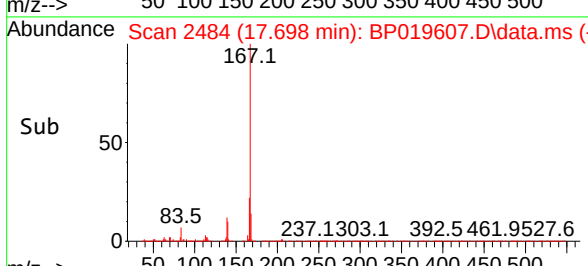
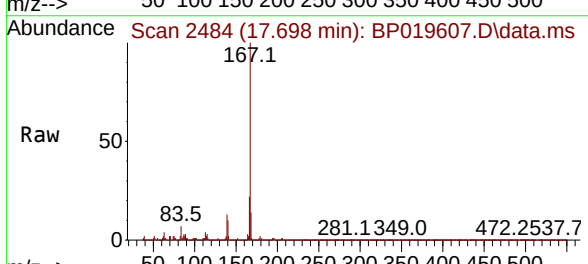
Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.5	12.2	18.2

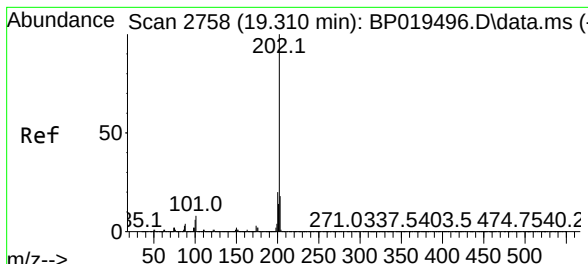


#73
 Carbazole
 Concen: 21.473 ng
 RT: 17.698 min Scan# 2484
 Delta R.T. -0.011 min
 Lab File: BP019607.D
 Acq: 08 Feb 2024 13:31

Tgt Ion:167 Resp: 446912

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.2	25.8
139	13.1	10.6	15.8



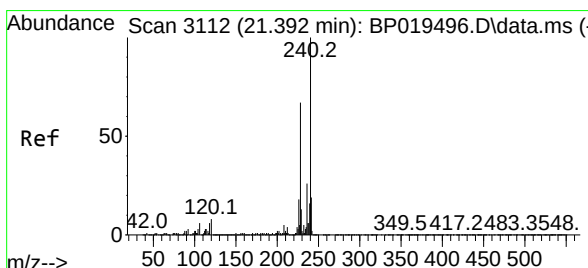
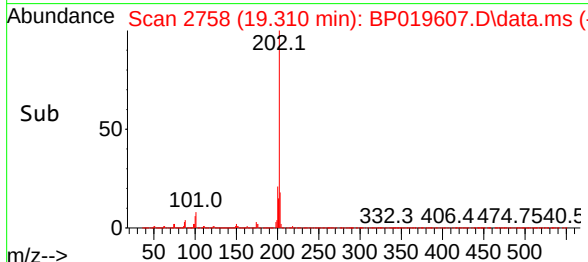
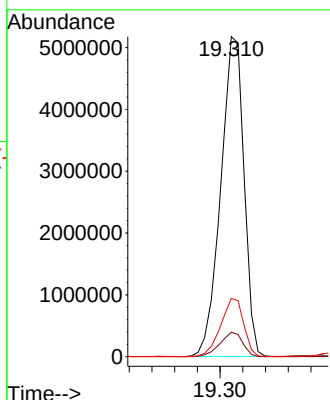
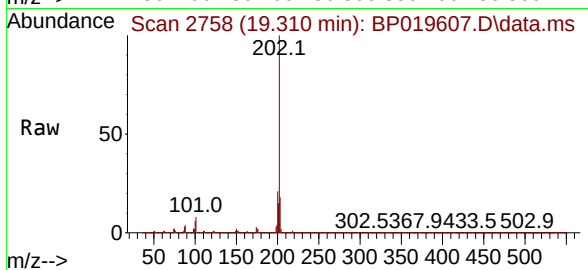


#75
 Fluoranthene
 Concen: 262.635 ng
 RT: 19.310 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP019607.D
 Acq: 08 Feb 2024 13:31

Instrument :
 BNA_P
 ClientSampleId :
 TP-1

Tgt Ion:202 Resp: 7368377

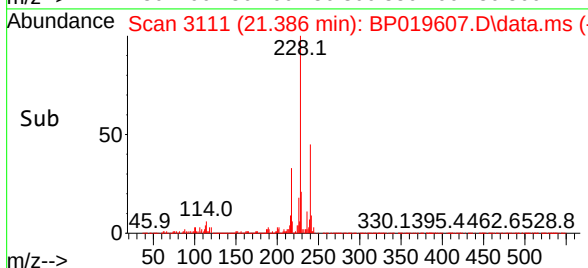
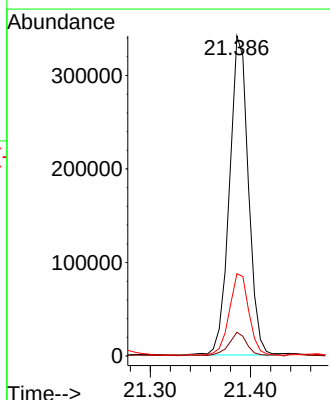
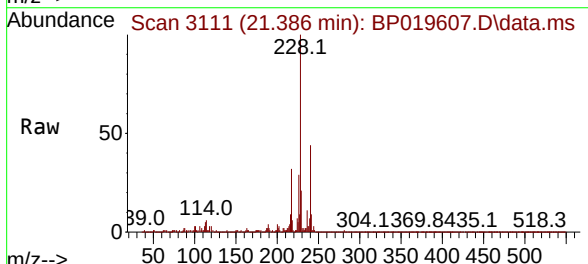
Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	27.7
203	18.2	0.0	37.5

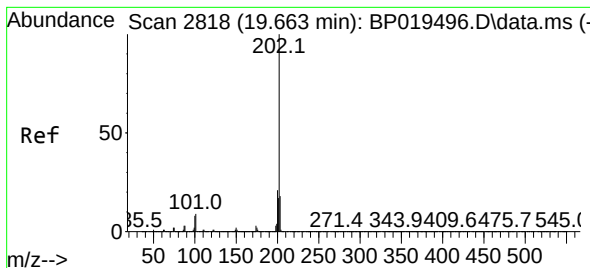


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.386 min Scan# 3111
 Delta R.T. -0.005 min
 Lab File: BP019607.D
 Acq: 08 Feb 2024 13:31

Tgt Ion:240 Resp: 447580

Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.1	9.1
236	25.7	20.7	31.1





#78

Pyrene

Concen: 203.779 ng

RT: 19.669 min Scan# 2818

Delta R.T. 0.006 min

Lab File: BP019607.D

Acq: 08 Feb 2024 13:31

Instrument :

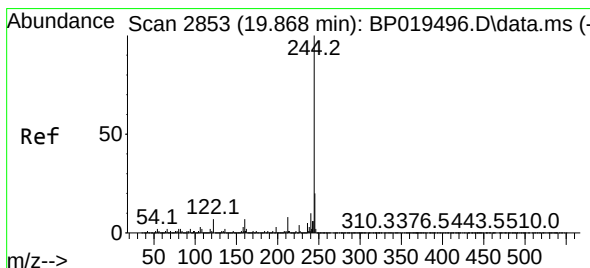
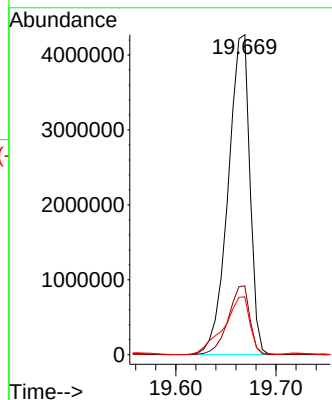
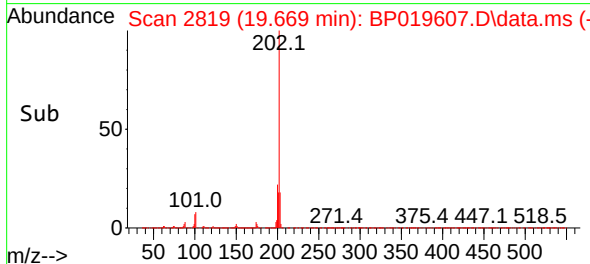
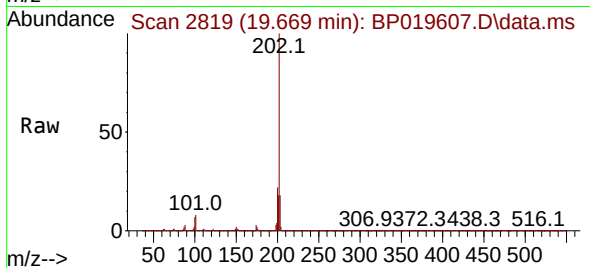
BNA_P

ClientSampleId :

TP-1

Tgt Ion:202 Resp: 6437029

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.9	25.3
203	18.1	14.2	21.2



#79

Terphenyl-d14

Concen: 59.202 ng

RT: 19.857 min Scan# 2851

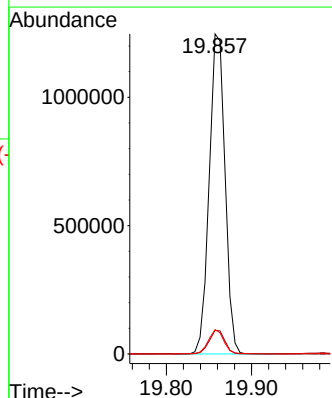
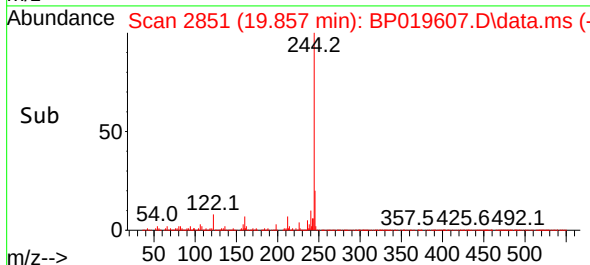
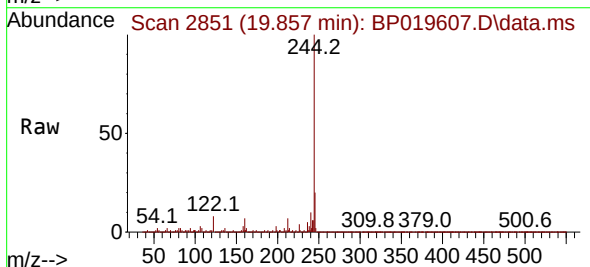
Delta R.T. -0.011 min

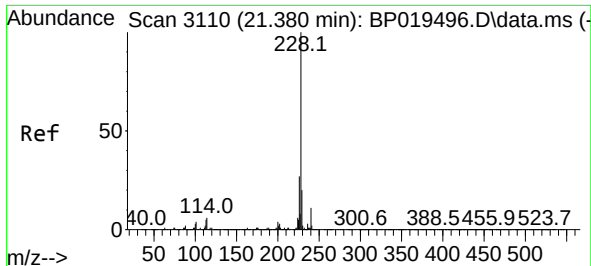
Lab File: BP019607.D

Acq: 08 Feb 2024 13:31

Tgt Ion:244 Resp: 1611251

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	7.6	5.9	8.9

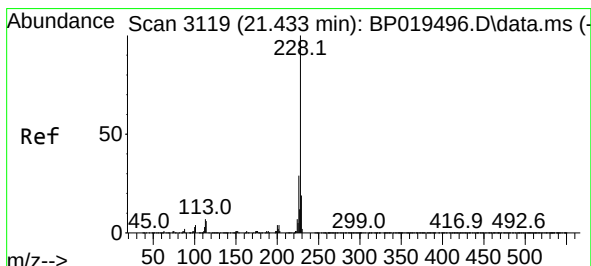
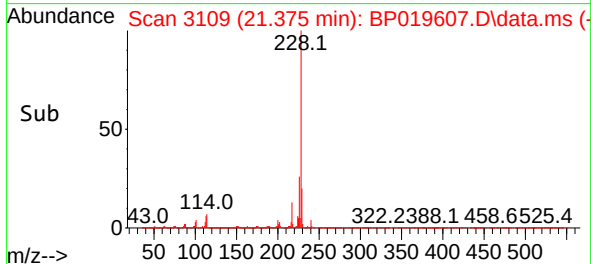
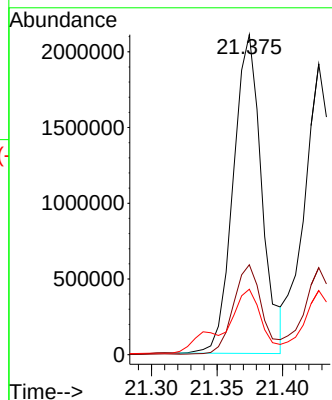
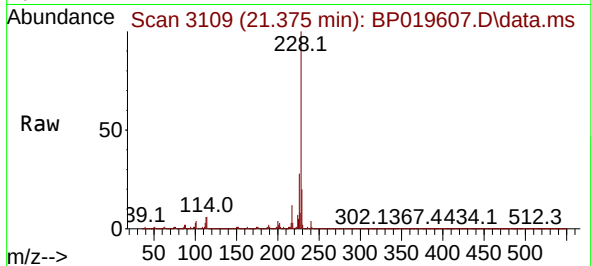




#81
Benzo(a)anthracene
Concen: 101.044 ng
RT: 21.375 min Scan# 3110
Delta R.T. -0.005 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

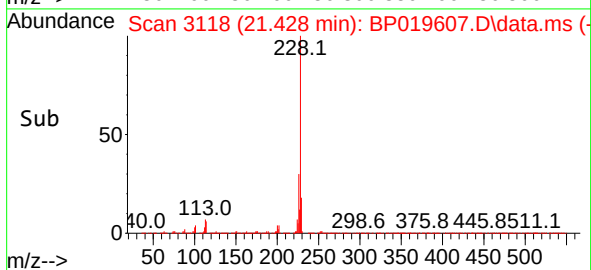
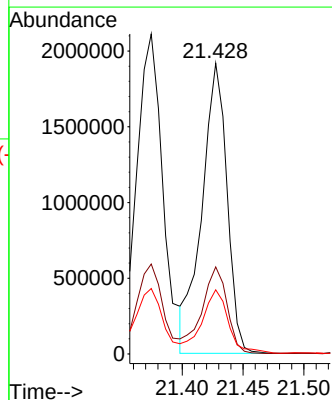
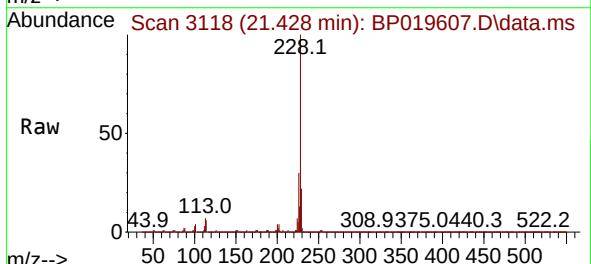
Instrument :
BNA_P
ClientSampleId :
TP-1

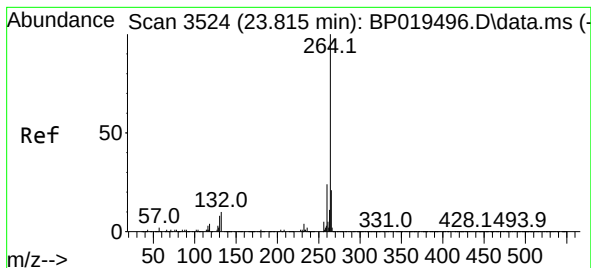
Tgt Ion:228 Resp: 3183527
Ion Ratio Lower Upper
228 100
226 28.1 21.7 32.5
229 20.4 15.6 23.4



#83
Chrysene
Concen: 91.770 ng
RT: 21.428 min Scan# 3118
Delta R.T. -0.005 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

Tgt Ion:228 Resp: 2745057
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.2
229 22.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.804 min Scan# 3

Delta R.T. -0.011 min

Lab File: BP019607.D

Acq: 08 Feb 2024 13:31

Instrument :

BNA_P

ClientSampleId :

TP-1

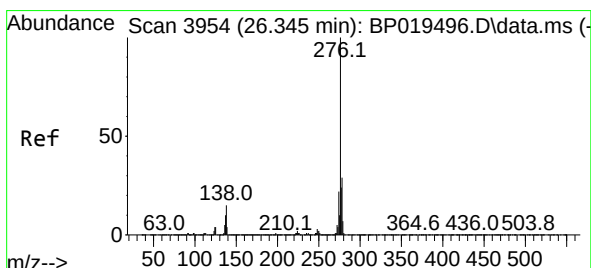
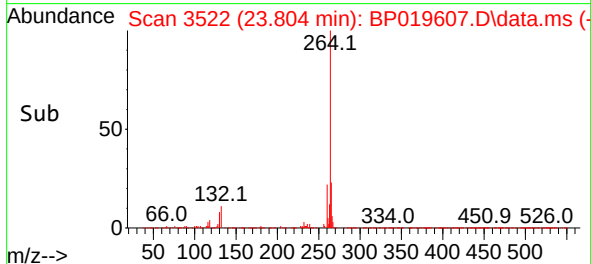
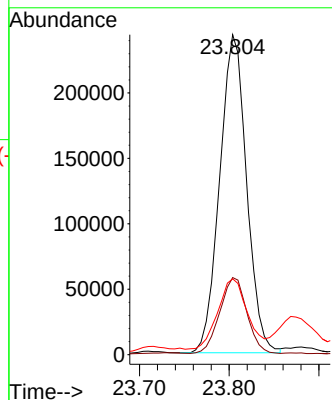
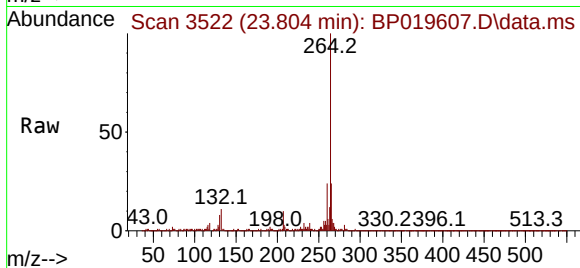
Tgt Ion:264 Resp: 506671

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 23.7 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 44.292 ng

RT: 26.333 min Scan# 3952

Delta R.T. -0.011 min

Lab File: BP019607.D

Acq: 08 Feb 2024 13:31

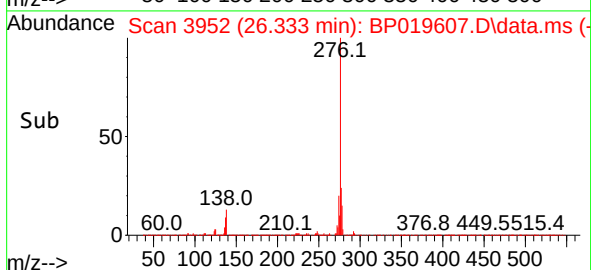
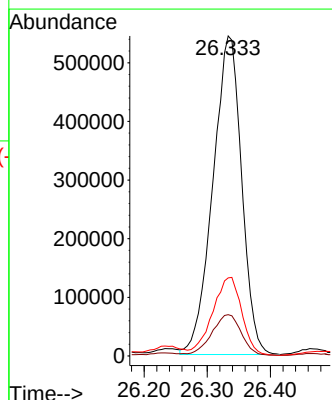
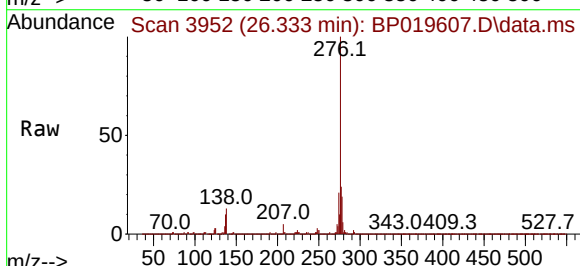
Tgt Ion:276 Resp: 1717802

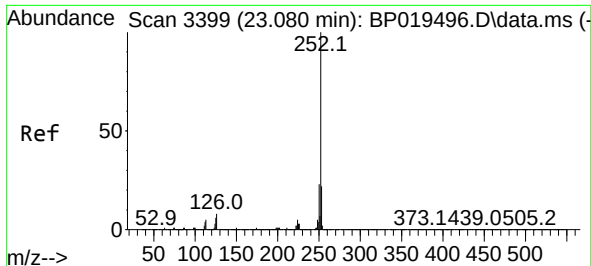
Ion Ratio Lower Upper

276 100

138 13.1 13.1 19.7#

277 24.9 20.3 30.5

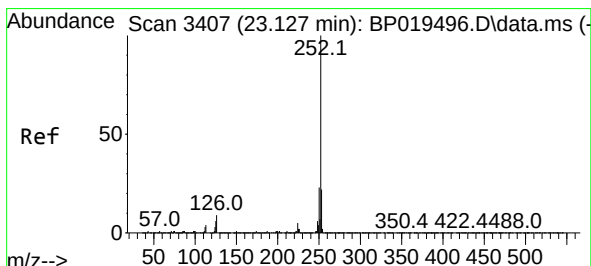
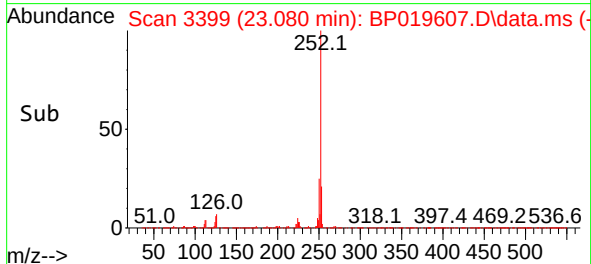
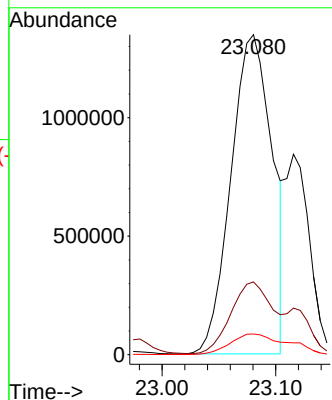
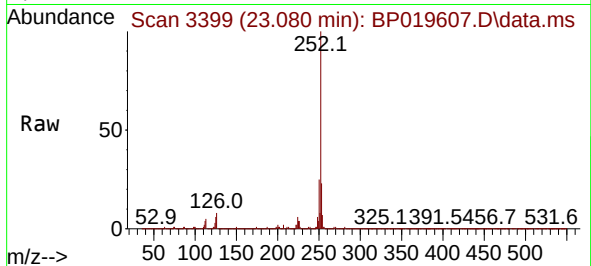




#88
Benzo(b)fluoranthene
Concen: 106.384 ng
RT: 23.080 min Scan# 3399
Delta R.T. 0.000 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

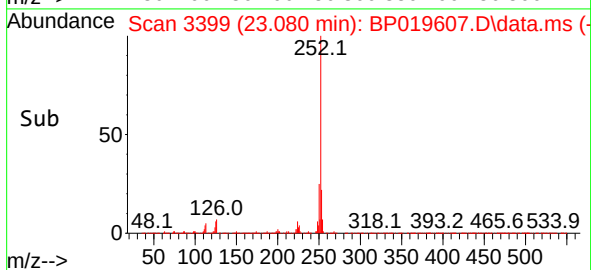
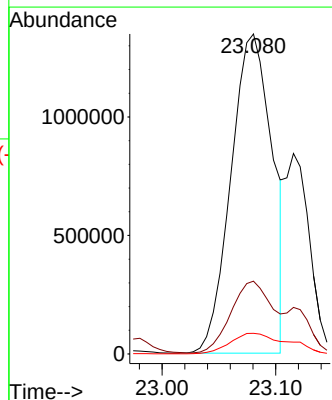
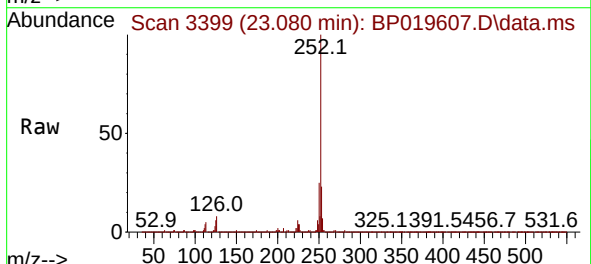
Instrument :
BNA_P
ClientSampleId :
TP-1

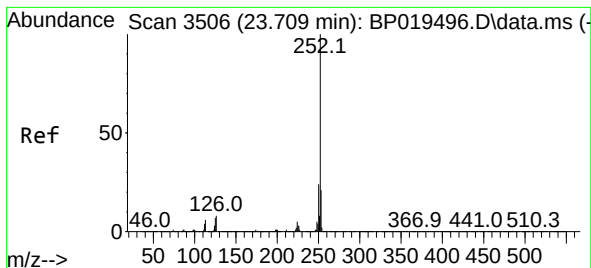
Tgt Ion:252 Resp: 3397181
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 6.4 4.9 7.3



#89
Benzo(k)fluoranthene
Concen: 111.370 ng
RT: 23.080 min Scan# 3399
Delta R.T. -0.047 min
Lab File: BP019607.D
Acq: 08 Feb 2024 13:31

Tgt Ion:252 Resp: 3397181
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 6.4 5.0 7.6





#90

Benzo(a)pyrene

Concen: 91.769 ng

RT: 23.704 min Scan# 3

Delta R.T. -0.005 min

Lab File: BP019607.D

Acq: 08 Feb 2024 13:31

Instrument :

BNA_P

ClientSampleId :

TP-1

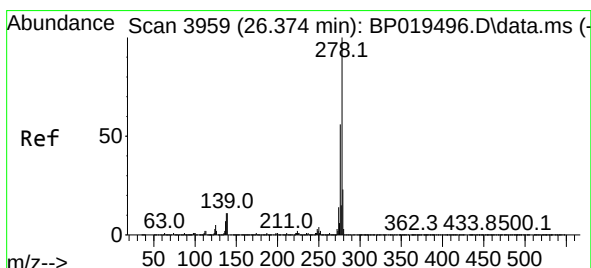
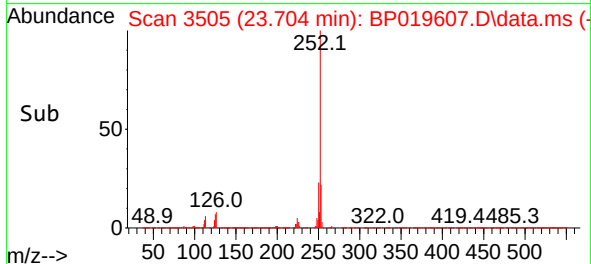
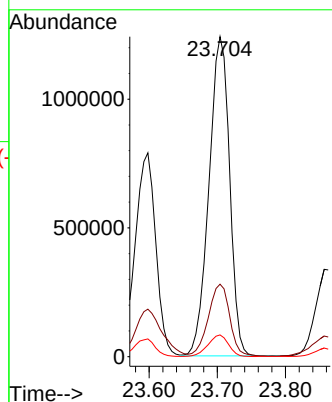
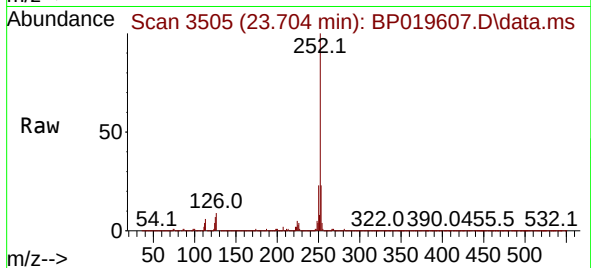
Tgt Ion:252 Resp: 2607450

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

125 6.8 5.6 8.4



#91

Dibenzo(a,h)anthracene

Concen: 13.196 ng

RT: 26.345 min Scan# 3954

Delta R.T. -0.029 min

Lab File: BP019607.D

Acq: 08 Feb 2024 13:31

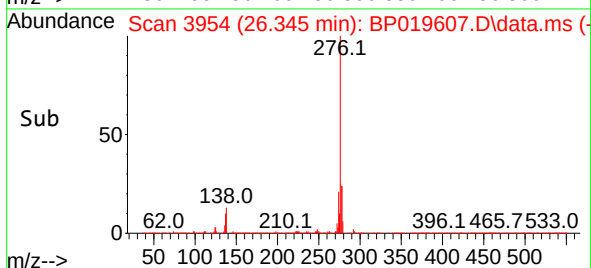
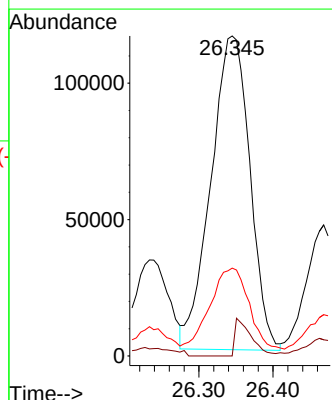
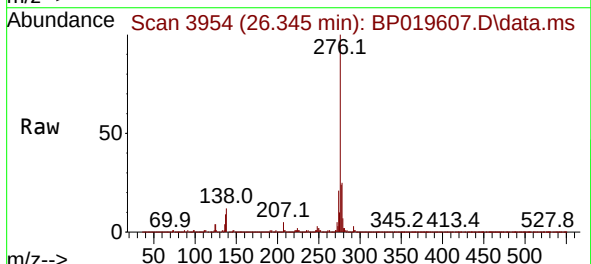
Tgt Ion:278 Resp: 420923

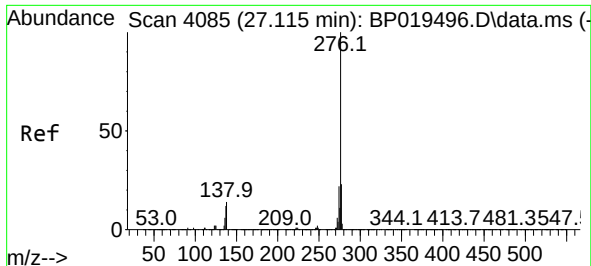
Ion Ratio Lower Upper

278 100

139 0.0 8.6 12.8#

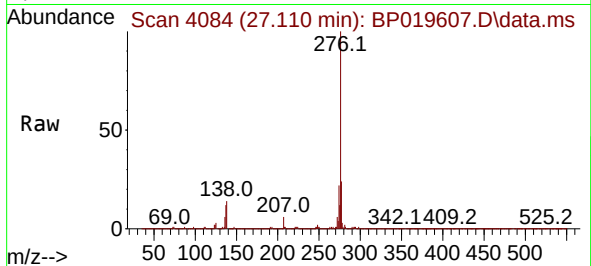
279 27.4 18.5 27.7





#92
 Benzo(g,h,i)perylene
 Concen: 51.383 ng
 RT: 27.110 min Scan# 4084
 Delta R.T. -0.005 min
 Lab File: BP019607.D
 Acq: 08 Feb 2024 13:31

Instrument :
 BNA_P
 ClientSampleId :
 TP-1



Tgt Ion:276 Resp: 1662794
 Ion Ratio Lower Upper
 276 100
 277 24.0 18.6 28.0
 138 13.7 10.9 16.3

