

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061124\
 Data File : BP020593.D
 Acq On : 11 Jun 2024 18:37
 Operator : MA/JU
 Sample : P2787-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-04-06072024

Quant Time: Jun 11 19:12:21 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 30 03:41:03 2024
 Response via : Initial Calibration

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

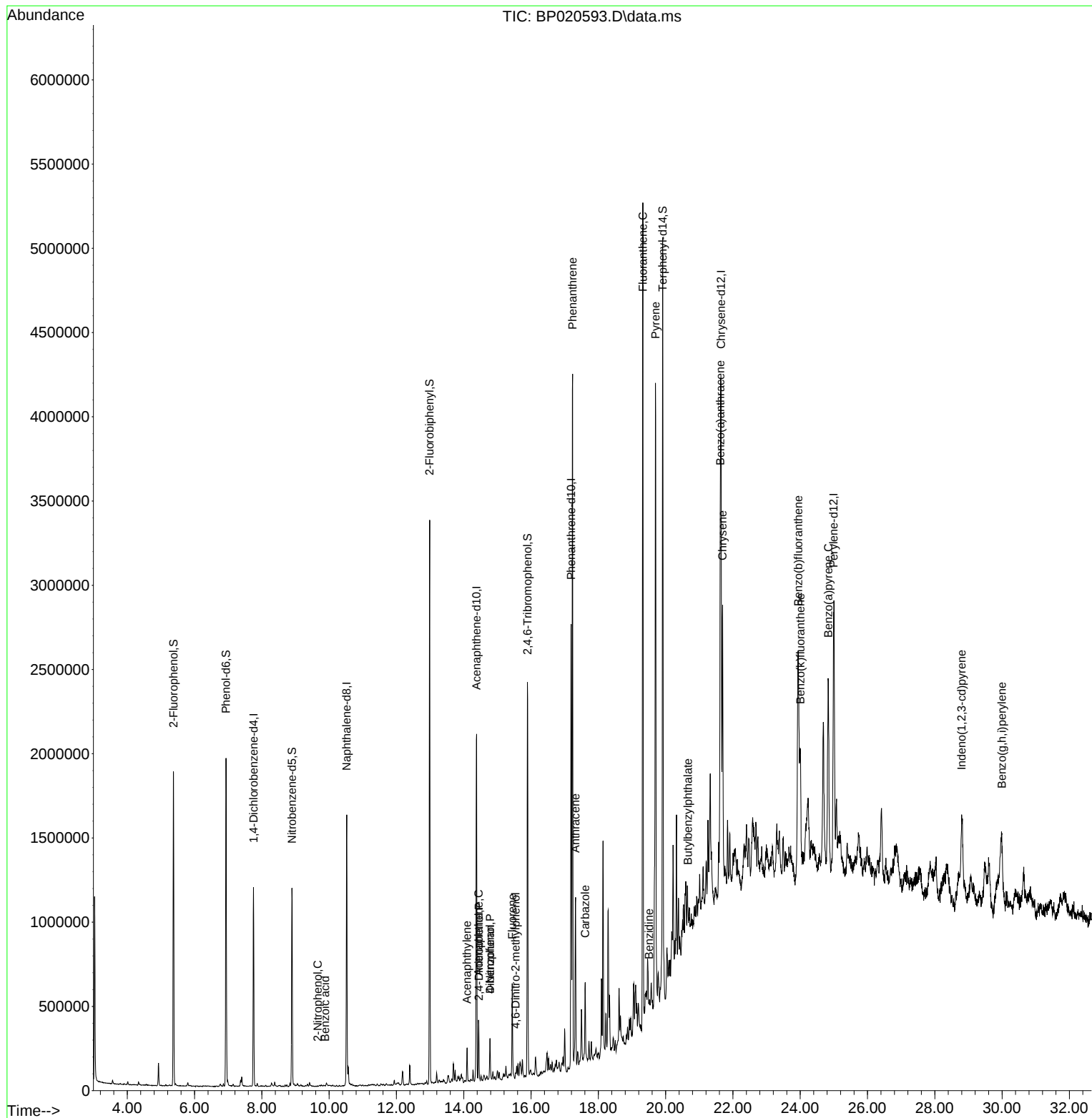
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.752	152	308616	20.000	ng	-0.02
21) Naphthalene-d8	10.522	136	1219611	20.000	ng	-0.01
39) Acenaphthene-d10	14.381	164	778755	20.000	ng	-0.01
64) Phenanthrene-d10	17.192	188	1592368	20.000	ng	-0.01
76) Chrysene-d12	21.645	240	1431258	20.000	ng	-0.02
86) Perylene-d12	24.992	264	1671132	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	851848	49.420	ng	0.00
7) Phenol-d6	6.934	99	1110128	45.669	ng	0.00
23) Nitrobenzene-d5	8.893	82	674721	30.284	ng	-0.03
42) 2,4,6-Tribromophenol	15.898	330	484725	59.976	ng	-0.01
45) 2-Fluorobiphenyl	12.987	172	1639045	31.375	ng	-0.02
79) Terphenyl-d14	19.910	244	2542064	29.567	ng	-0.04
Target Compounds						Qvalue
26) 2-Nitrophenol	9.658	139	61	3.797	ng	# 1
32) Benzoic acid	9.881	122	113	6.856	ng	# 1
49) Acenaphthylene	14.098	152	134413	2.073	ng	99
52) Acenaphthene	14.440	154	126559	3.095	ng	98
54) 2,4-Dinitrophenol	14.451	184	178	5.018	ng	# 1
55) Dibenzofuran	14.781	168	139182	2.148	ng	97
56) 4-Nitrophenol	14.781	139	52825	5.802	ng	# 7
58) Fluorene	15.440	166	262892	5.055	ng	99
65) 4,6-Dinitro-2-methylph...	15.540	198	21	7.656	ng	# 1
71) Phenanthrene	17.234	178	2360757	30.159	ng	100
72) Anthracene	17.322	178	700558	9.121	ng	100
73) Carbazole	17.610	167	300647	4.047	ng	99
75) Fluoranthene	19.322	202	3115340	33.641	ng	98
77) Benzidine	19.510	184	642	5.982	ng	# 1
78) Pyrene	19.698	202	2693128	25.016	ng	100
80) Butylbenzylphthalate	20.663	149	3855	2.515	ng	# 61
81) Benzo(a)anthracene	21.622	228	1384507	14.691	ng	96
83) Chrysene	21.692	228	1203309	13.551	ng	98
87) Indeno(1,2,3-cd)pyrene	28.798	276	876045	8.621	ng	# 93
88) Benzo(b)fluoranthene	23.939	252	1627025	15.628	ng	97
89) Benzo(k)fluoranthene	24.004	252	533639	5.255	ng	93
90) Benzo(a)pyrene	24.833	252	1278361	14.827	ng	97
92) Benzo(g,h,i)perylene	29.992	276	808324	9.541	ng	98

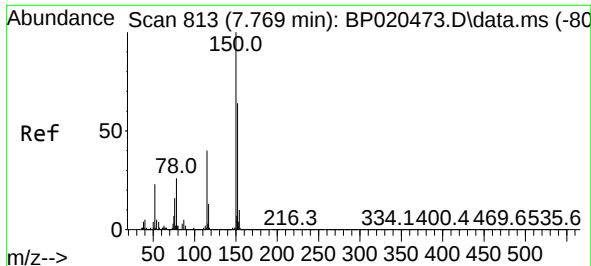
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061124\
Data File : BP020593.D
Acq On : 11 Jun 2024 18:37
Operator : MA/JU
Sample : P2787-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

Quant Time: Jun 11 19:12:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 30 03:41:03 2024
Response via : Initial Calibration

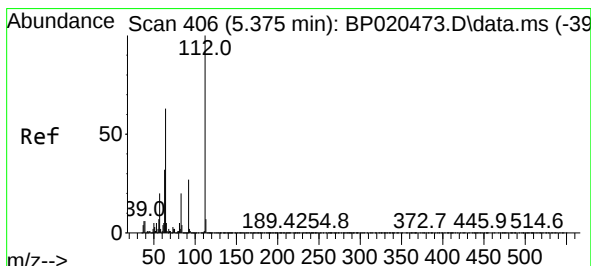
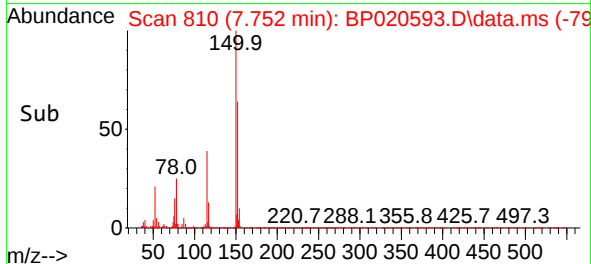
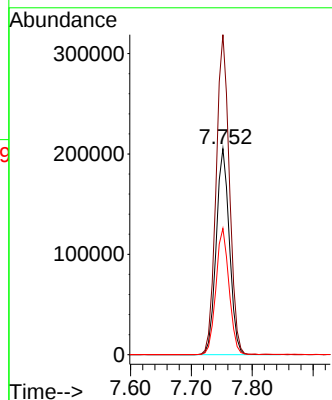
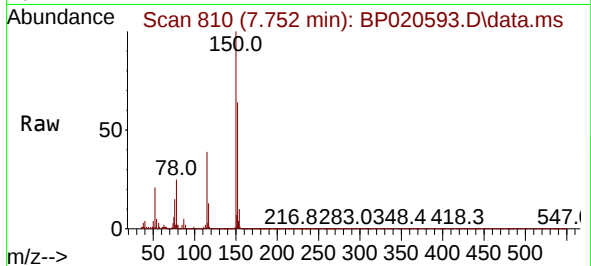




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.752 min Scan# 813
Delta R.T. -0.017 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

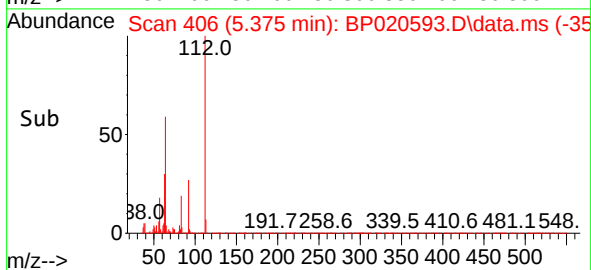
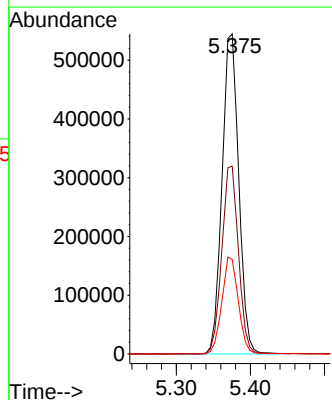
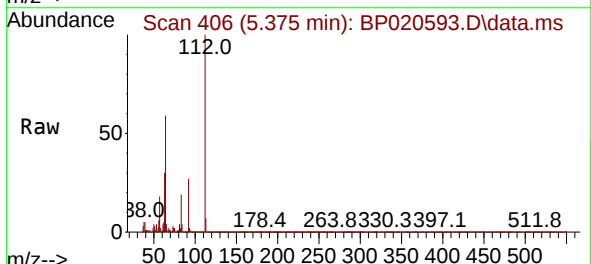
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

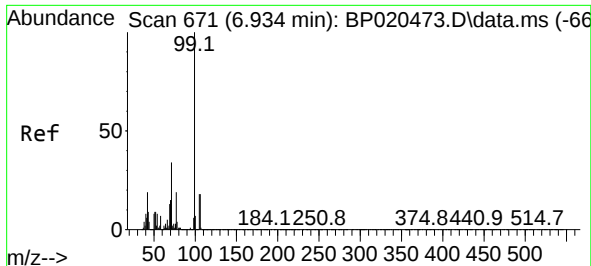
Tgt Ion:152 Resp: 308616
Ion Ratio Lower Upper
152 100
150 155.3 124.2 186.2
115 61.3 49.5 74.3



#5
2-Fluorophenol
Concen: 49.420 ng
RT: 5.375 min Scan# 406
Delta R.T. 0.000 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion:112 Resp: 851848
Ion Ratio Lower Upper
112 100
64 58.7 50.1 75.1
63 29.6 25.7 38.5



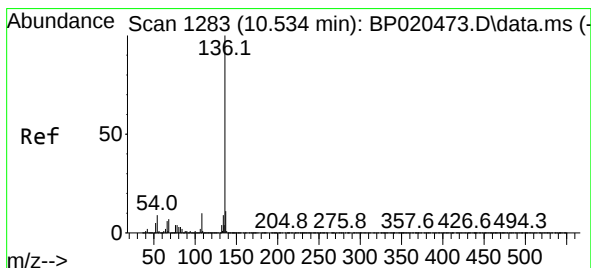
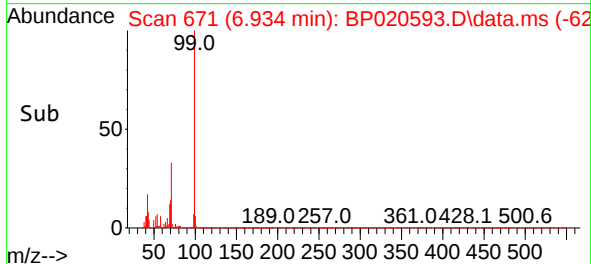
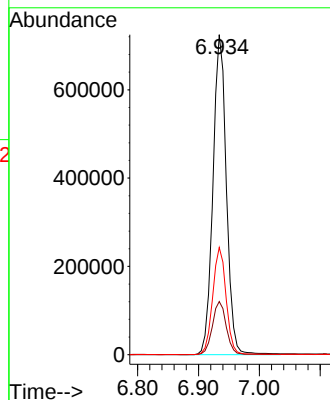
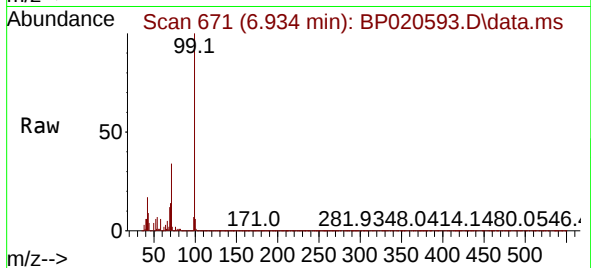


#7
Phenol-d6
Concen: 45.669 ng
RT: 6.934 min Scan# 61
Delta R.T. 0.000 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

Tgt Ion: 99 Resp: 1110128

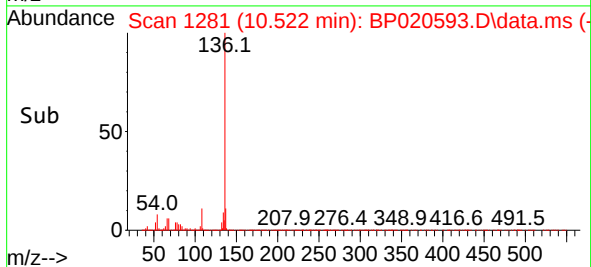
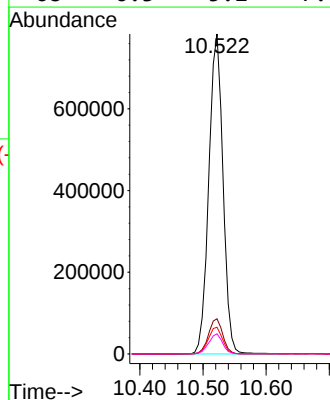
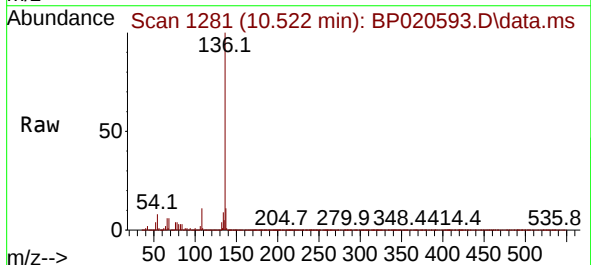
Ion	Ratio	Lower	Upper
99	100		
42	16.6	15.0	22.4
71	33.5	27.3	40.9

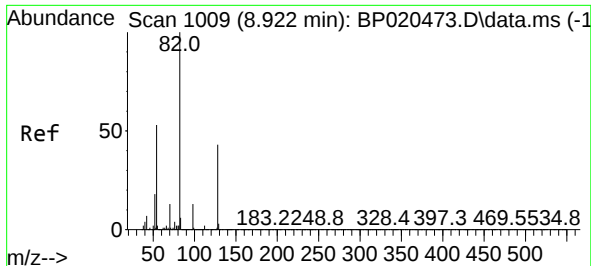


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion: 136 Resp: 1219611

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	8.3	7.4	11.0
68	6.3	5.2	7.8

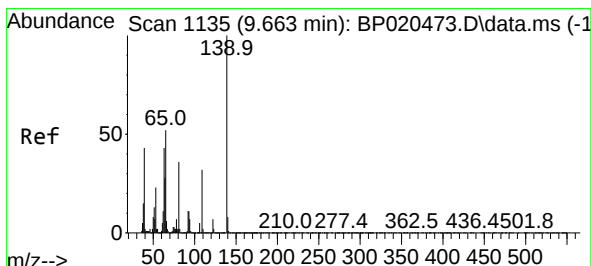
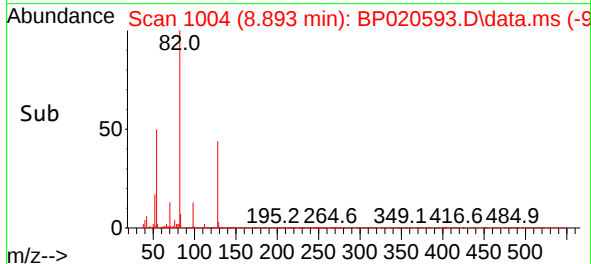
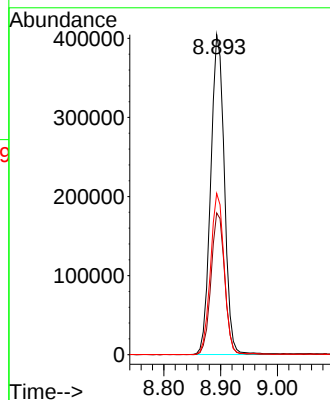
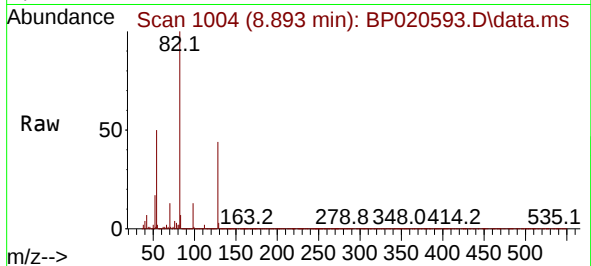




#23
Nitrobenzene-d5
Concen: 30.284 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.029 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

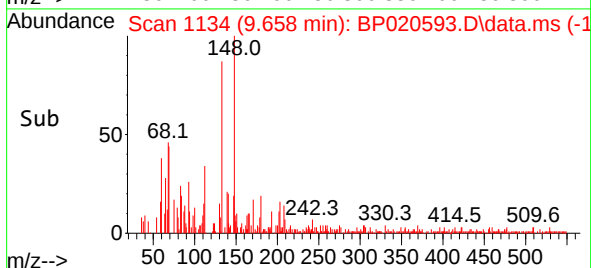
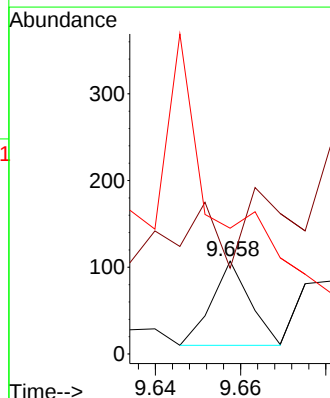
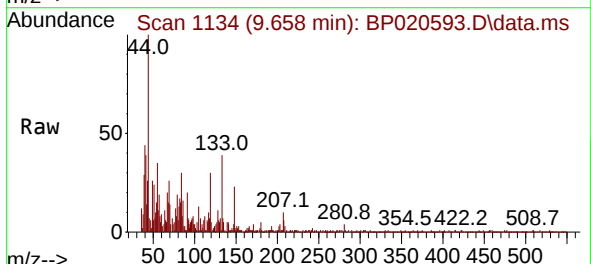
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

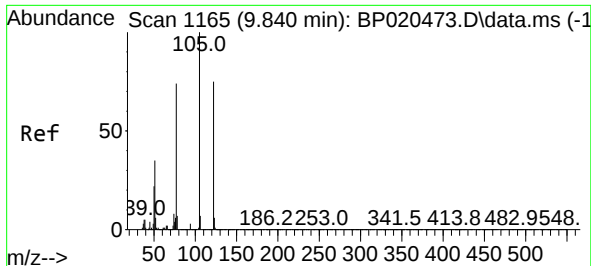
Tgt Ion: 82 Resp: 674721
Ion Ratio Lower Upper
82 100
128 44.3 34.2 51.4
54 50.4 42.7 64.1



#26
2-Nitrophenol
Concen: 3.797 ng
RT: 9.658 min Scan# 1134
Delta R.T. -0.005 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion:139 Resp: 61
Ion Ratio Lower Upper
139 100
109 92.5 25.8 38.8#
65 135.5 41.8 62.8#

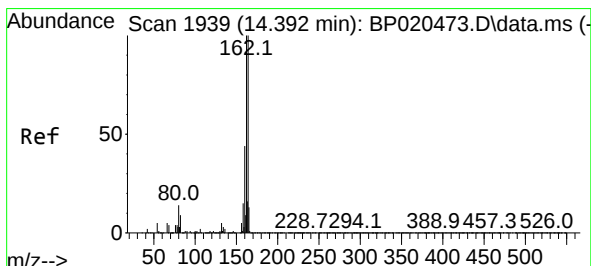
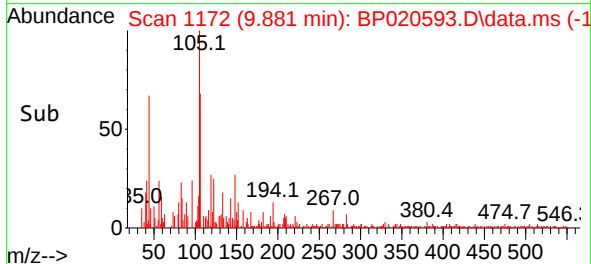
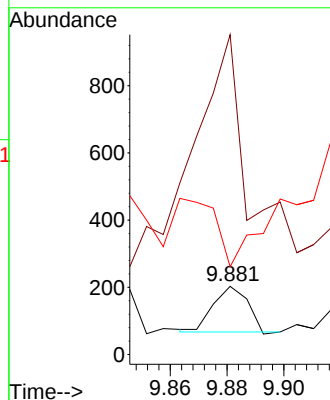
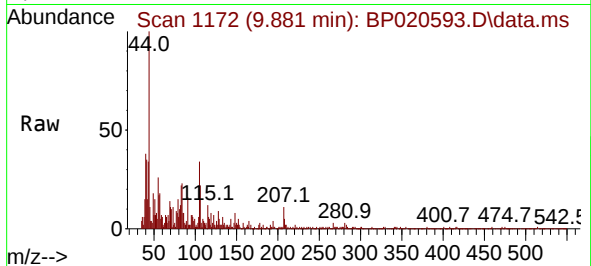




#32
Benzoic acid
Concen: 6.856 ng
RT: 9.881 min Scan# 1165
Delta R.T. 0.041 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

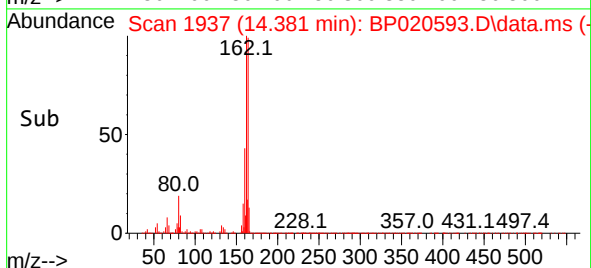
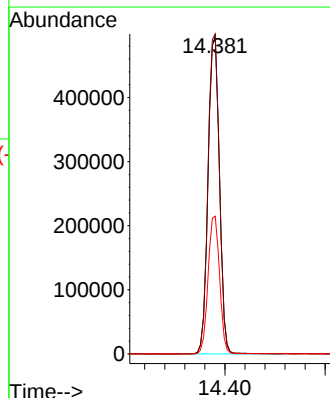
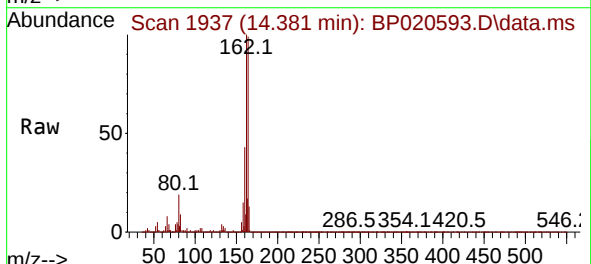
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

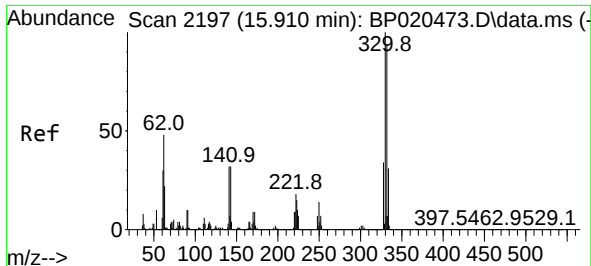
Tgt Ion:122 Resp: 113
Ion Ratio Lower Upper
122 100
105 469.0 107.5 147.5#
77 128.6 76.1 116.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.011 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion:164 Resp: 778755
Ion Ratio Lower Upper
164 100
162 100.9 80.3 120.5
160 43.4 35.4 53.2

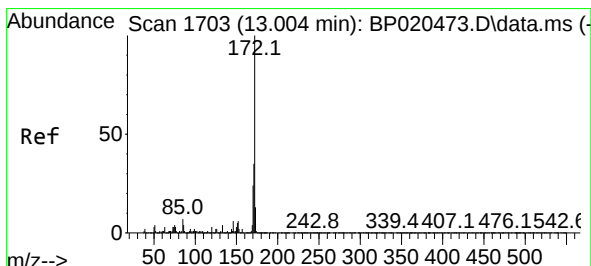
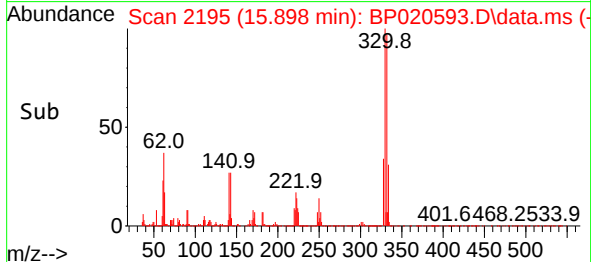
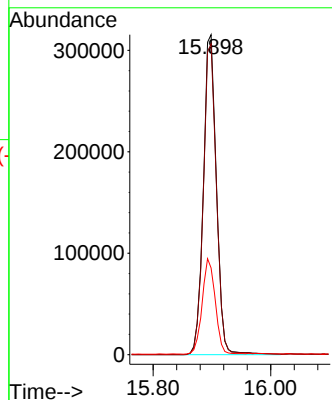
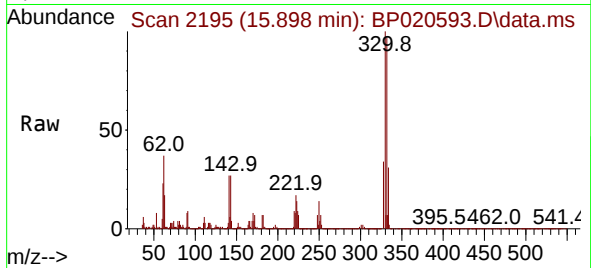




#42
2,4,6-Tribromophenol
Concen: 59.976 ng
RT: 15.898 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

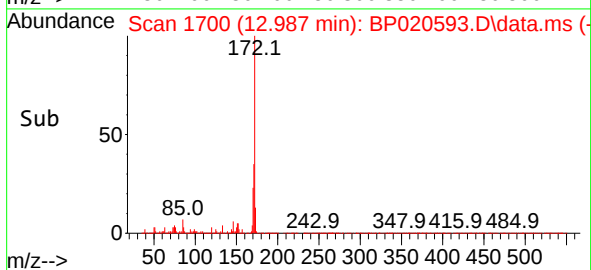
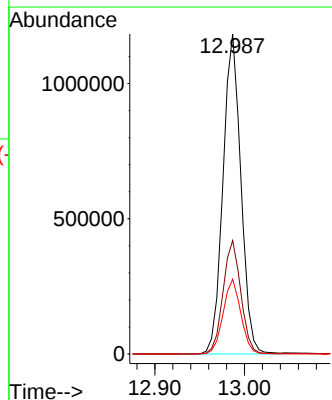
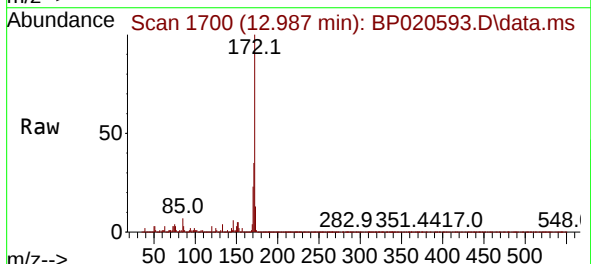
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

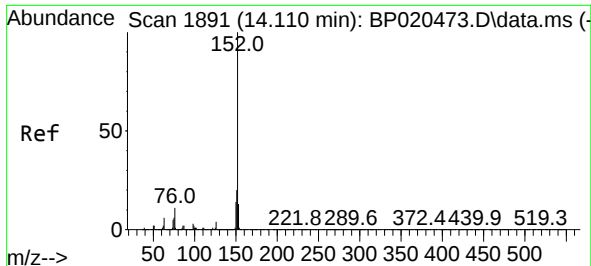
Tgt Ion:330 Resp: 484725
Ion Ratio Lower Upper
330 100
332 97.5 76.6 114.8
141 29.9 27.1 40.7



#45
2-Fluorobiphenyl
Concen: 31.375 ng
RT: 12.987 min Scan# 1700
Delta R.T. -0.018 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion:172 Resp: 1639045
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 23.3 18.9 28.3

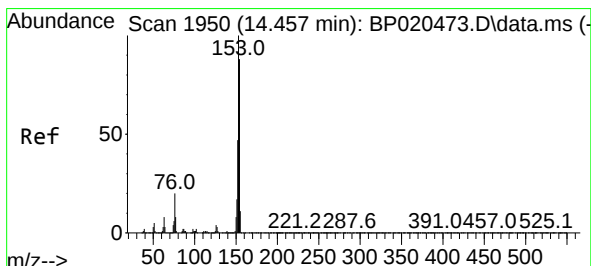
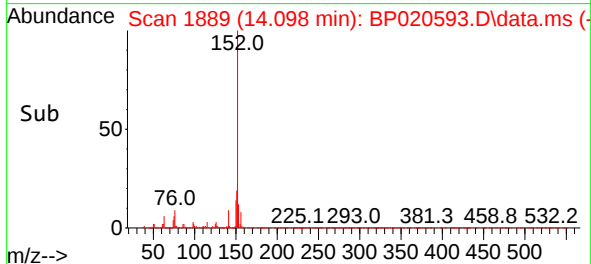
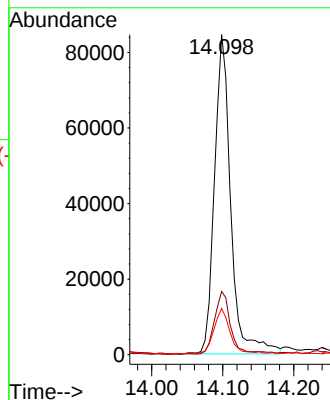
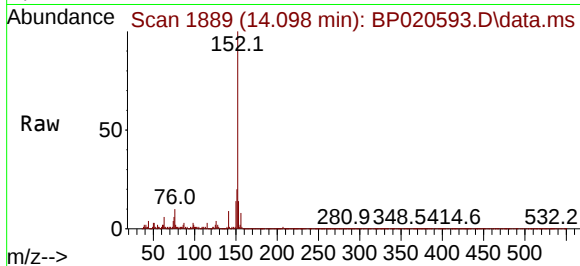




#49
Acenaphthylene
Concen: 2.073 ng
RT: 14.098 min Scan# 1889
Delta R.T. -0.012 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

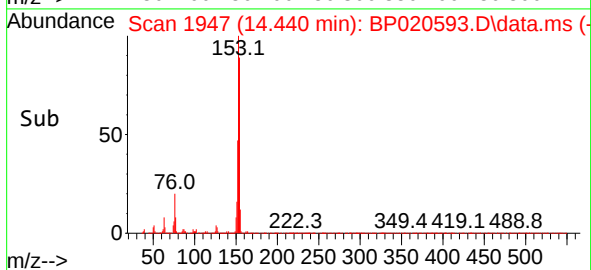
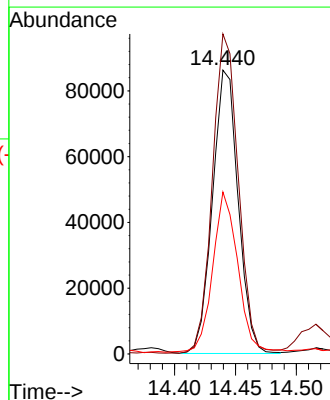
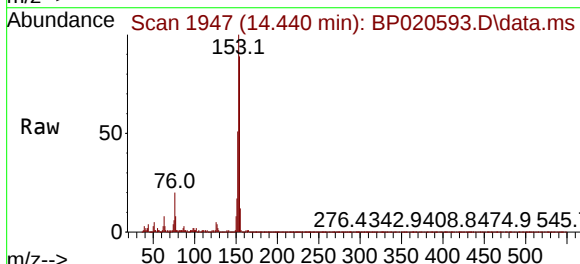
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

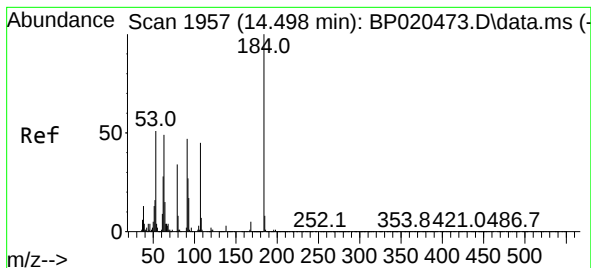
Tgt Ion:152 Resp: 134413
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 14.5 10.6 15.8



#52
Acenaphthene
Concen: 3.095 ng
RT: 14.440 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion:154 Resp: 126559
Ion Ratio Lower Upper
154 100
153 112.7 90.6 136.0
152 57.1 42.6 63.8





#54

2,4-Dinitrophenol

Concen: 5.018 ng

RT: 14.451 min Scan# 1949

Delta R.T. -0.047 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

Instrument :

BNA_P

ClientSampleId :

SU-04-06072024

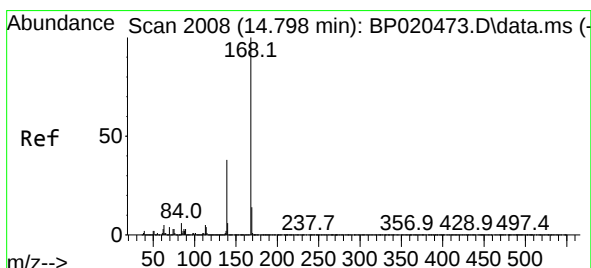
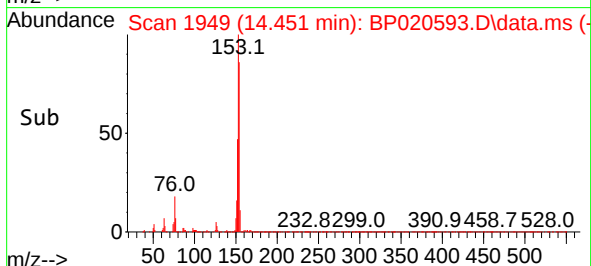
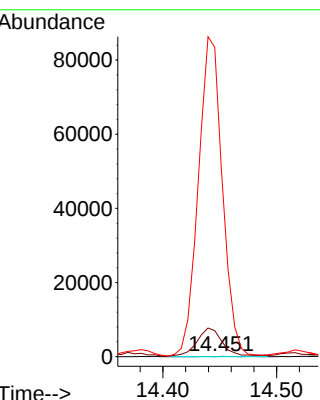
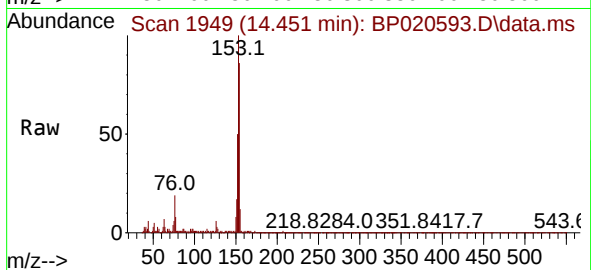
Tgt Ion:184 Resp: 178

Ion Ratio Lower Upper

184 100

63 4334.0 54.2 81.4#

154 50744.0 51.0 76.6#



#55

Dibenzofuran

Concen: 2.148 ng

RT: 14.781 min Scan# 2005

Delta R.T. -0.018 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

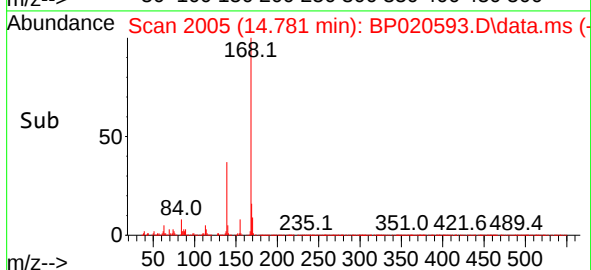
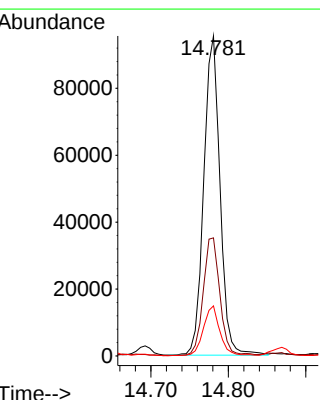
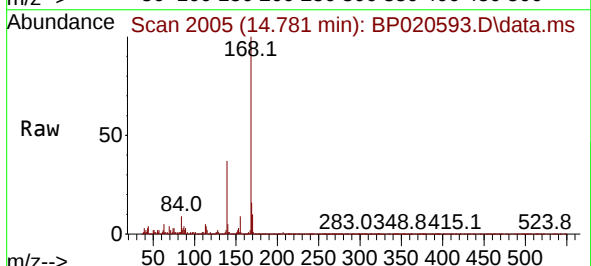
Tgt Ion:168 Resp: 139182

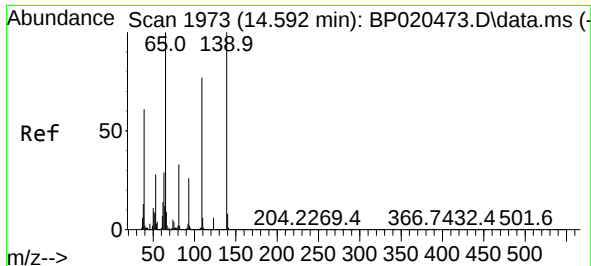
Ion Ratio Lower Upper

168 100

139 36.9 30.4 45.6

169 15.7 11.0 16.4

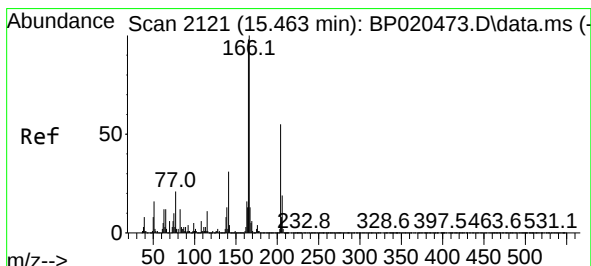
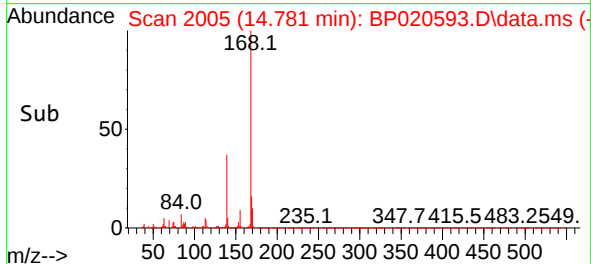
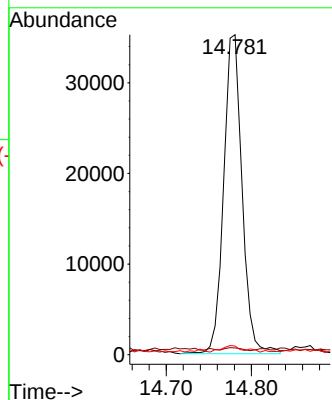
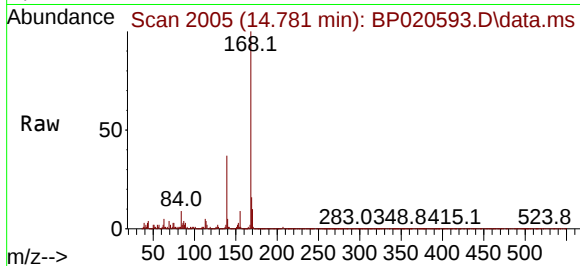




#56
4-Nitrophenol
Concen: 5.802 ng
RT: 14.781 min Scan# 2017
Delta R.T. 0.188 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

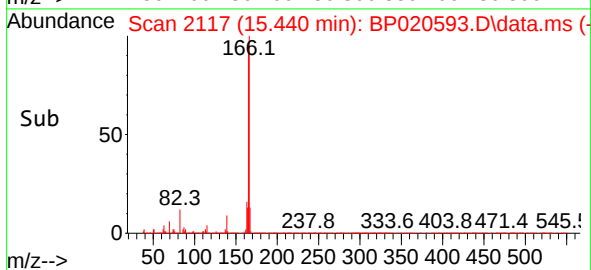
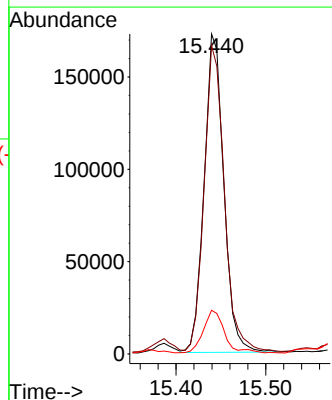
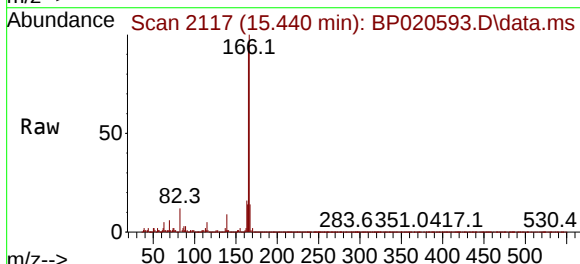
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

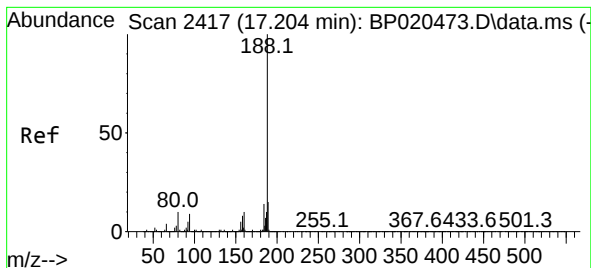
Tgt Ion:139 Resp: 52825
Ion Ratio Lower Upper
139 100
109 2.1 57.4 97.4#
65 2.7 80.4 120.4#



#58
Fluorene
Concen: 5.055 ng
RT: 15.440 min Scan# 2117
Delta R.T. -0.023 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion:166 Resp: 262892
Ion Ratio Lower Upper
166 100
165 96.5 78.2 117.4
167 13.7 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.192 min Scan# 2415

Delta R.T. -0.012 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

Instrument :

BNA_P

ClientSampleId :

SU-04-06072024

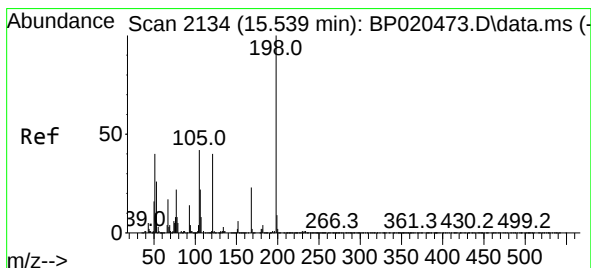
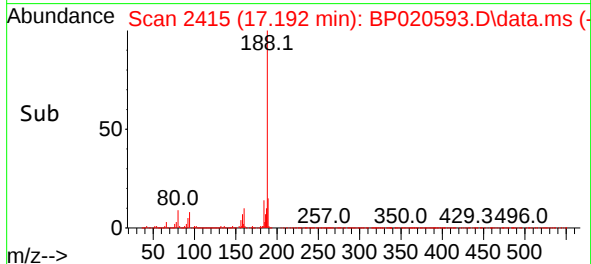
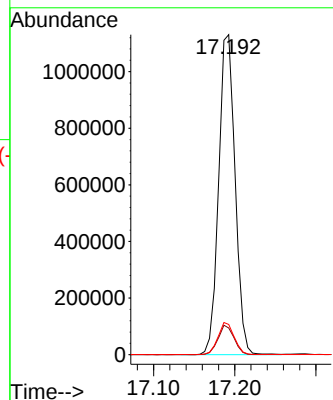
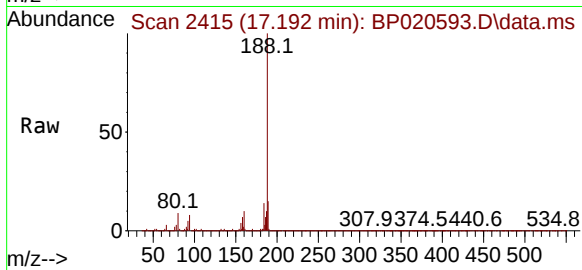
Tgt Ion:188 Resp: 1592368

Ion Ratio Lower Upper

188 100

94 8.3 7.2 10.8

80 9.5 8.1 12.1



#65

4,6-Dinitro-2-methylphenol

Concen: 7.656 ng

RT: 15.540 min Scan# 2134

Delta R.T. 0.001 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

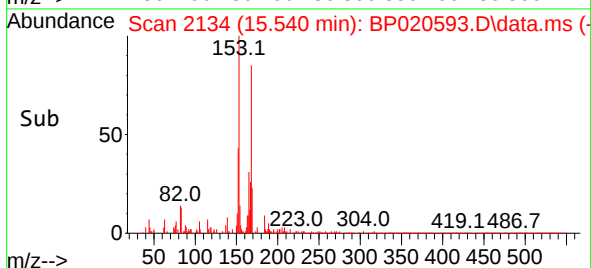
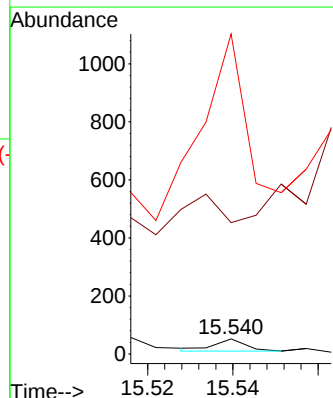
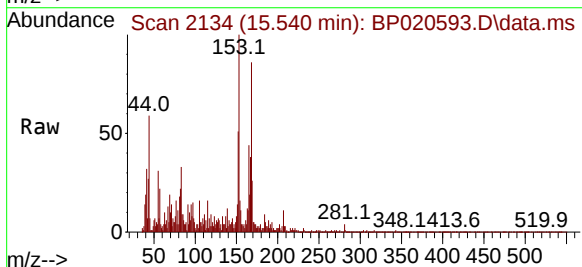
Tgt Ion:198 Resp: 21

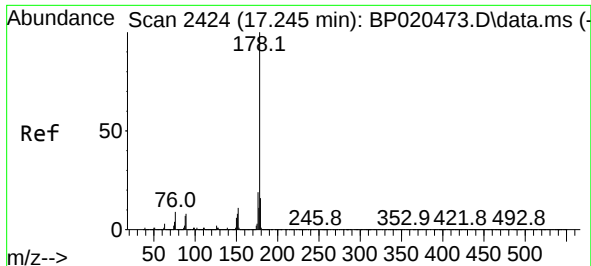
Ion Ratio Lower Upper

198 100

51 871.2 24.8 64.8#

105 2121.2 23.2 63.2#

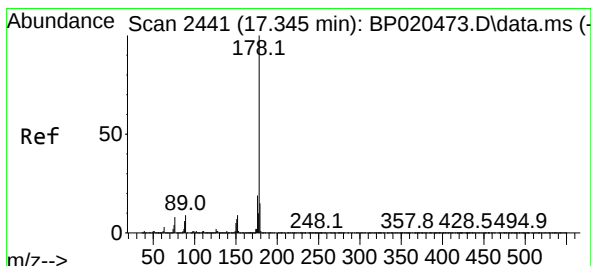
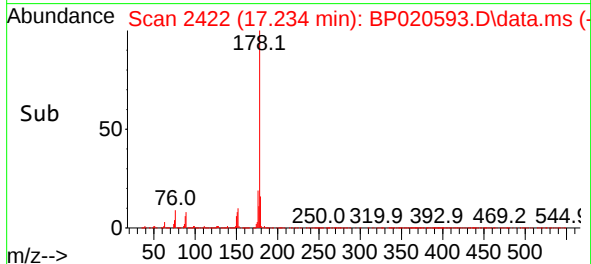
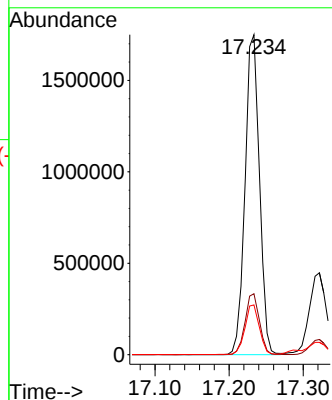
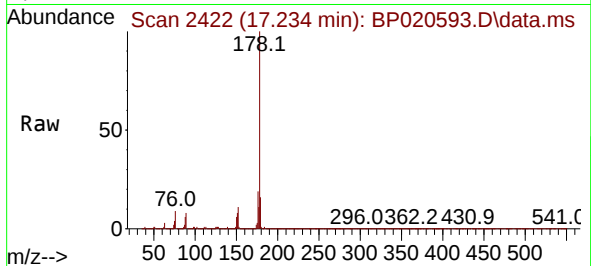




#71
Phenanthrene
Concen: 30.159 ng
RT: 17.234 min Scan# 2422
Delta R.T. -0.012 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

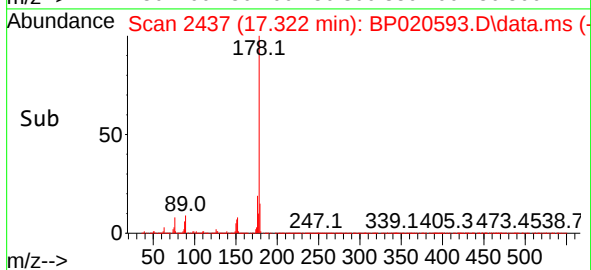
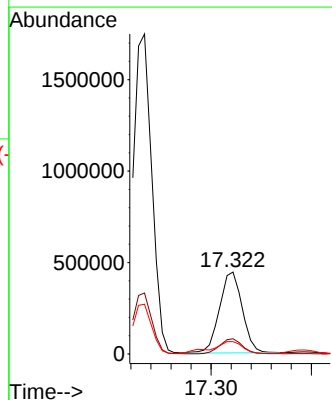
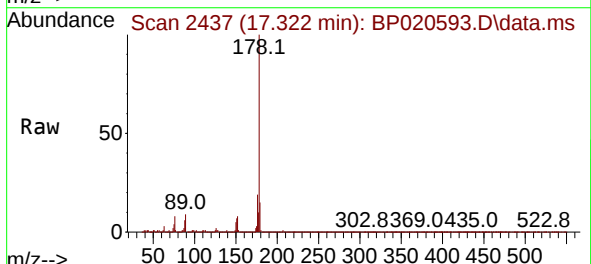
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

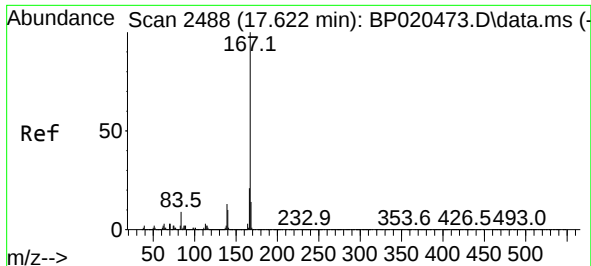
Tgt Ion:178 Resp: 2360757
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.6 12.5 18.7



#72
Anthracene
Concen: 9.121 ng
RT: 17.322 min Scan# 2437
Delta R.T. -0.023 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion:178 Resp: 700558
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 15.1 12.2 18.4

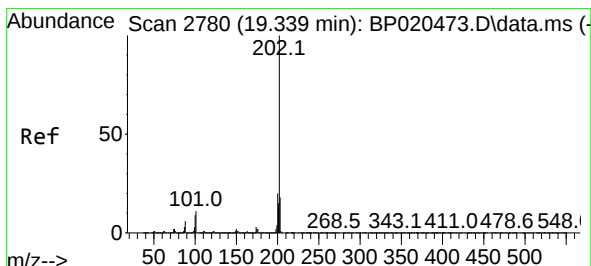
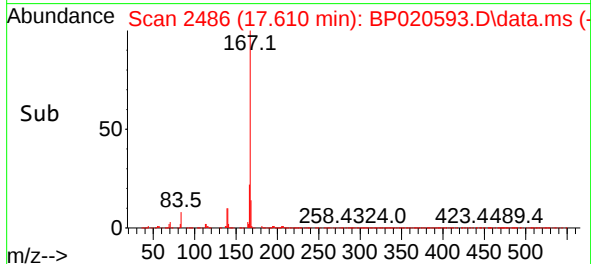
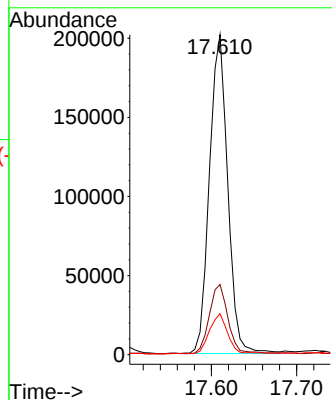
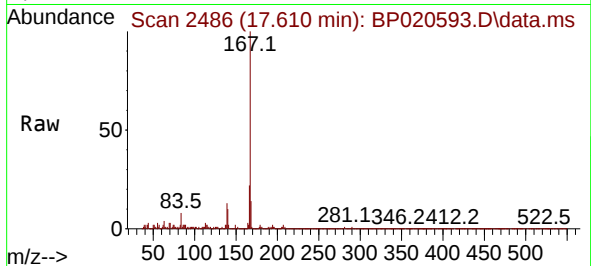




#73
 Carbazole
 Concen: 4.047 ng
 RT: 17.610 min Scan# 2488
 Delta R.T. -0.012 min
 Lab File: BP020593.D
 Acq: 11 Jun 2024 18:37

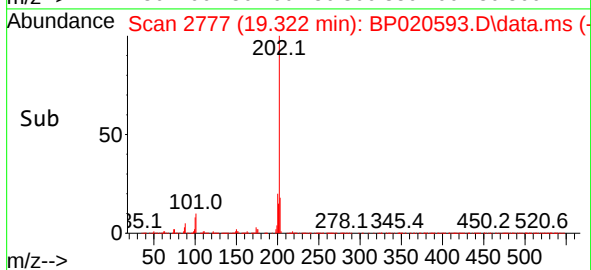
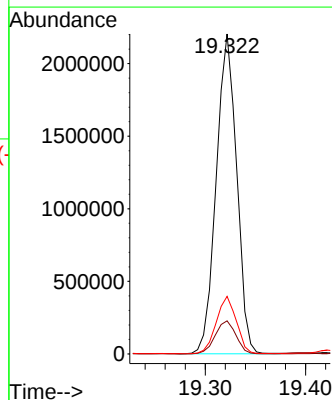
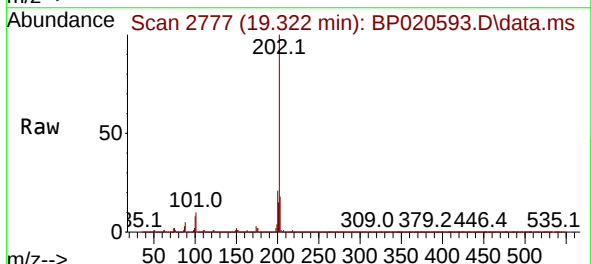
Instrument :
 BNA_P
 ClientSampleId :
 SU-04-06072024

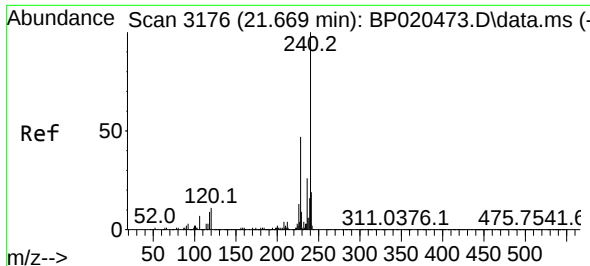
Tgt Ion:167 Resp: 300647
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.1 25.7
 139 12.8 10.5 15.7



#75
 Fluoranthene
 Concen: 33.641 ng
 RT: 19.322 min Scan# 2777
 Delta R.T. -0.018 min
 Lab File: BP020593.D
 Acq: 11 Jun 2024 18:37

Tgt Ion:202 Resp: 3115340
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 31.4
 203 18.0 0.0 37.7

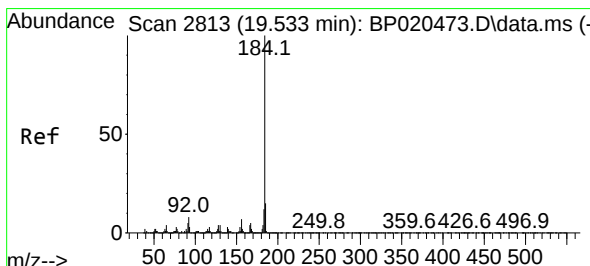
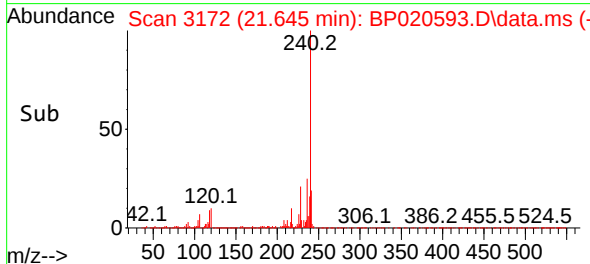
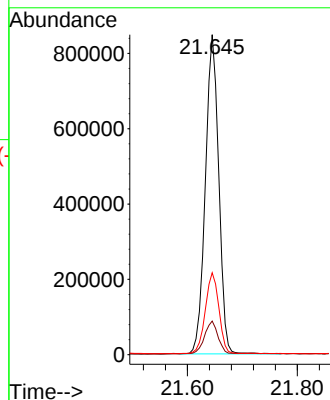
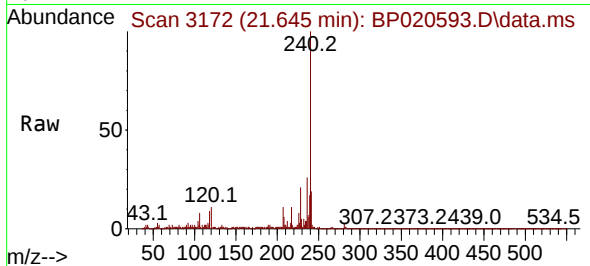




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.645 min Scan# 3176
Delta R.T. -0.023 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

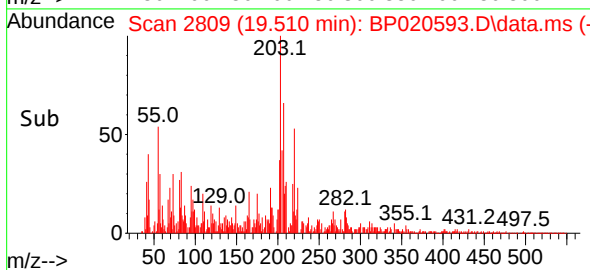
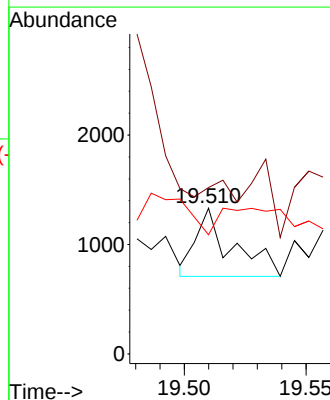
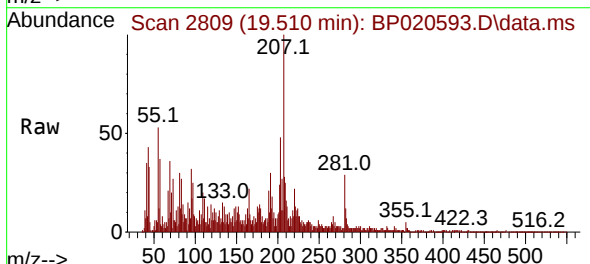
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

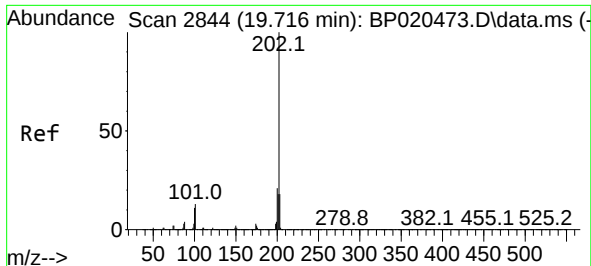
Tgt Ion:240 Resp: 1431258
Ion Ratio Lower Upper
240 100
120 10.5 8.5 12.7
236 25.6 20.5 30.7



#77
Benzidine
Concen: 5.982 ng
RT: 19.510 min Scan# 2809
Delta R.T. -0.023 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion:184 Resp: 642
Ion Ratio Lower Upper
184 100
185 114.2 12.0 18.0#
183 81.8 9.4 14.0#

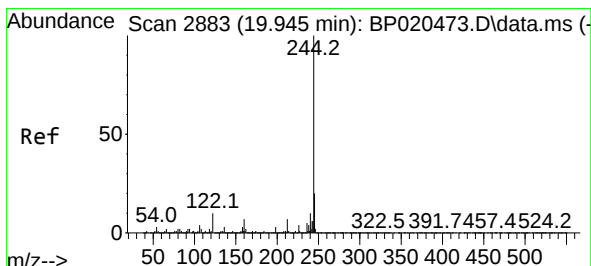
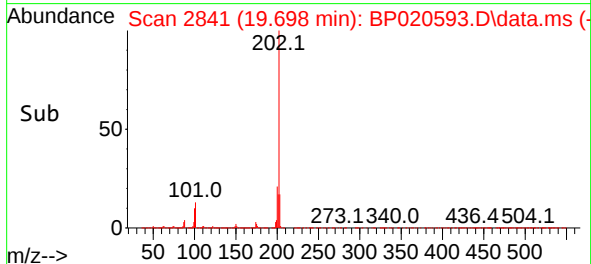
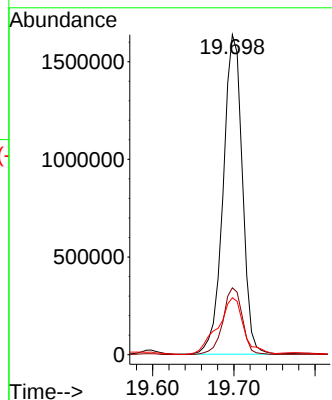
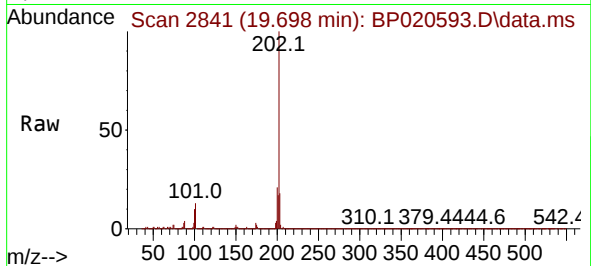




#78
Pyrene
Concen: 25.016 ng
RT: 19.698 min Scan# 2841
Delta R.T. -0.018 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

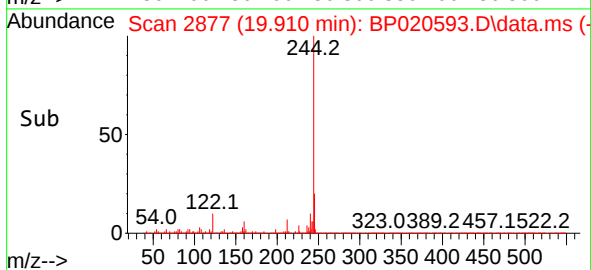
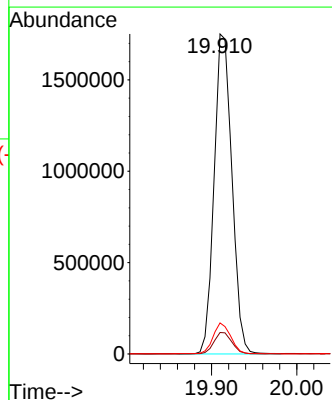
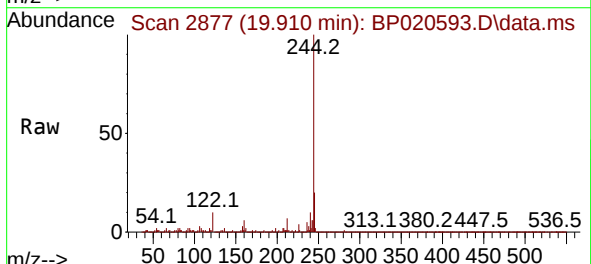
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

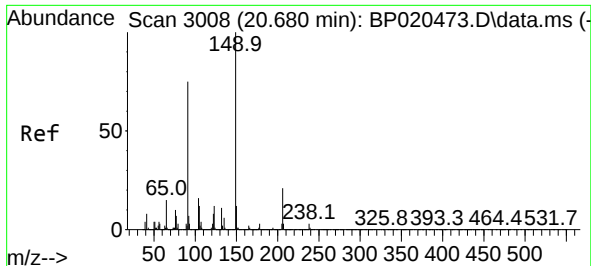
Tgt Ion:202 Resp: 2693128
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.8 14.1 21.1



#79
Terphenyl-d14
Concen: 29.567 ng
RT: 19.910 min Scan# 2877
Delta R.T. -0.035 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion:244 Resp: 2542064
Ion Ratio Lower Upper
244 100
212 6.7 5.8 8.8
122 9.7 8.2 12.2

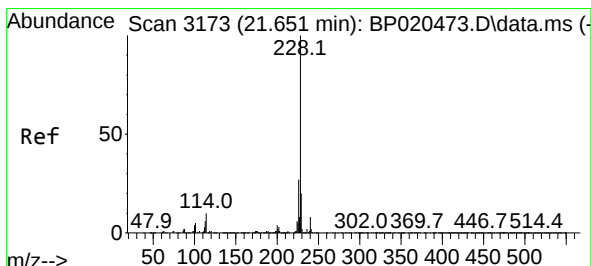
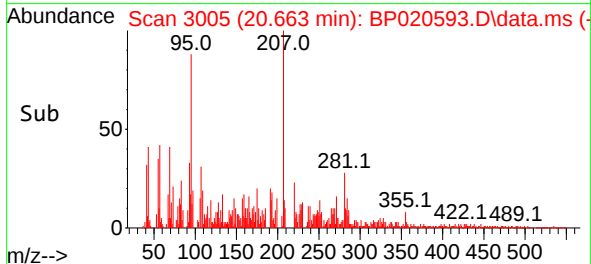
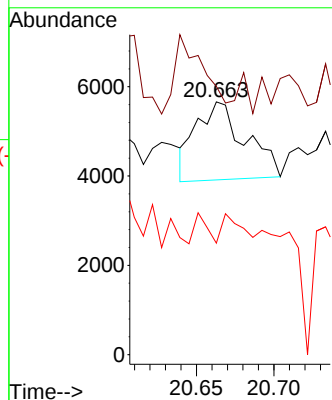
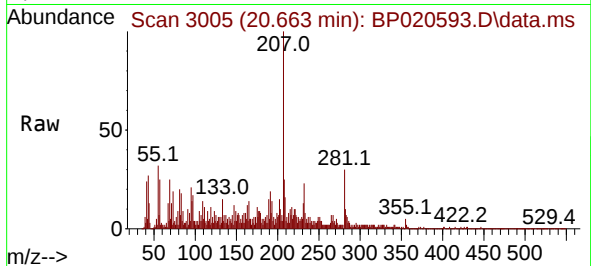




#80
Butylbenzylphthalate
Concen: 2.515 ng
RT: 20.663 min Scan# 3016
Delta R.T. -0.017 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

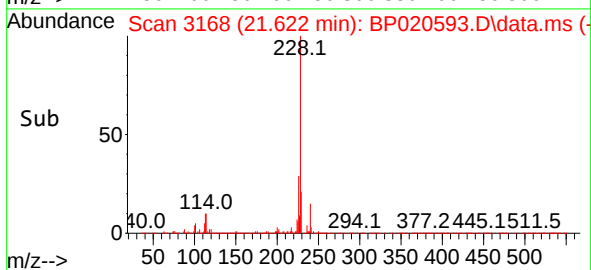
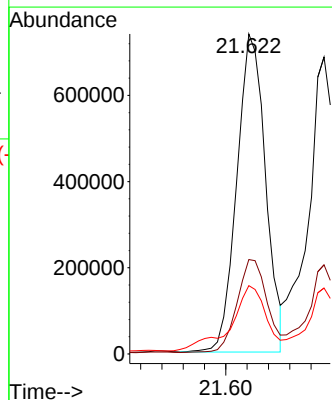
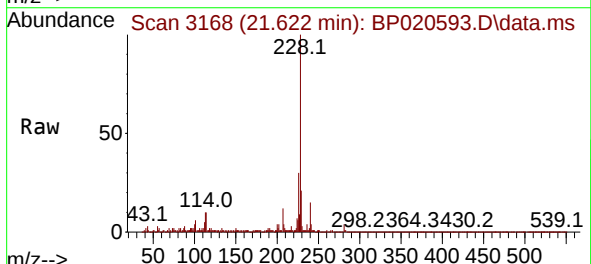
Instrument :
BNA_P
ClientSampleId :
SU-04-06072024

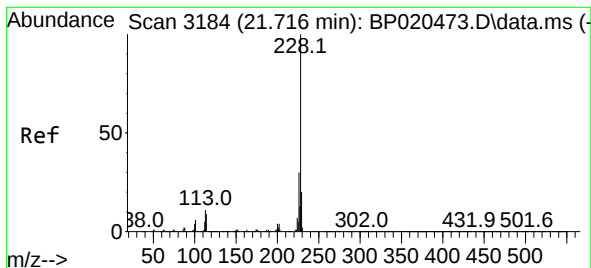
Tgt Ion:149 Resp: 3855
Ion Ratio Lower Upper
149 100
91 106.1 60.0 90.0#
206 44.1 16.6 25.0#



#81
Benzo(a)anthracene
Concen: 14.691 ng
RT: 21.622 min Scan# 3168
Delta R.T. -0.029 min
Lab File: BP020593.D
Acq: 11 Jun 2024 18:37

Tgt Ion:228 Resp: 1384507
Ion Ratio Lower Upper
228 100
226 29.5 21.7 32.5
229 21.4 15.8 23.6





#83

Chrysene

Concen: 13.551 ng

RT: 21.692 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

Instrument :

BNA_P

ClientSampleId :

SU-04-06072024

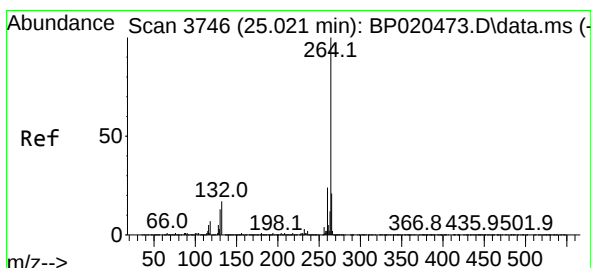
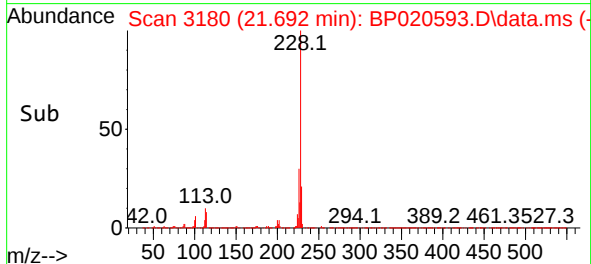
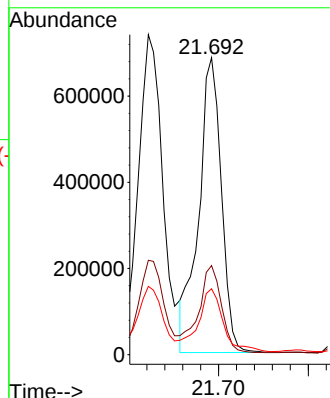
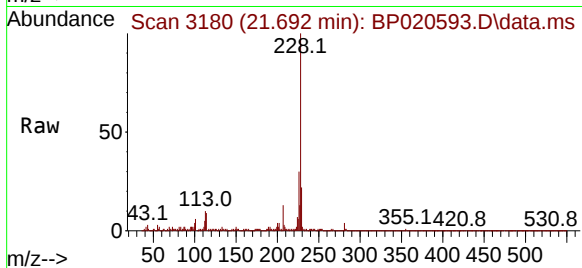
Tgt Ion:228 Resp: 1203309

Ion Ratio Lower Upper

228 100

226 30.0 24.0 36.0

229 22.2 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.992 min Scan# 3741

Delta R.T. -0.029 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

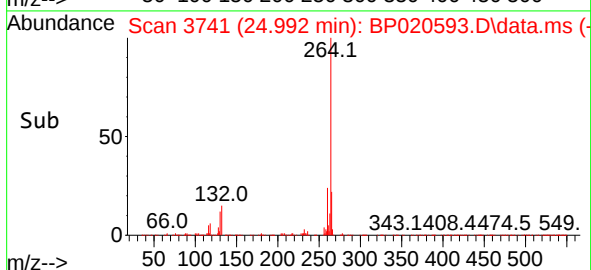
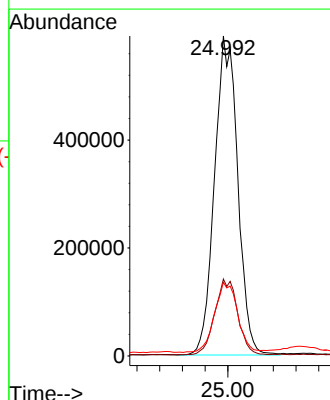
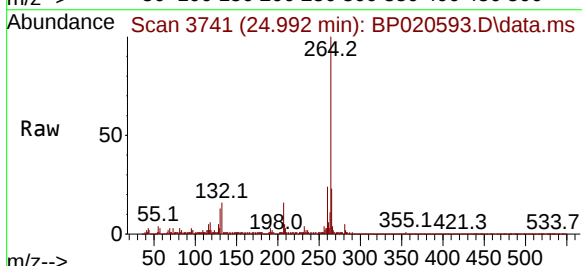
Tgt Ion:264 Resp: 1671132

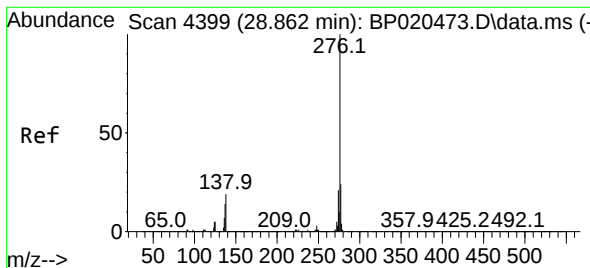
Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 23.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.621 ng

RT: 28.798 min Scan# 41

Delta R.T. -0.065 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

Instrument :

BNA_P

ClientSampleId :

SU-04-06072024

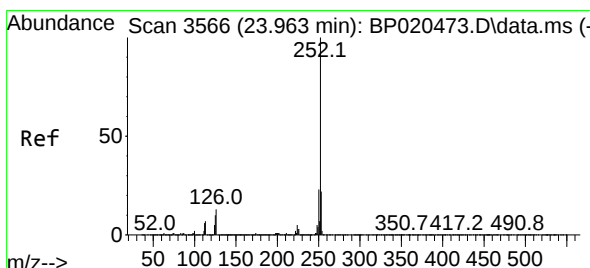
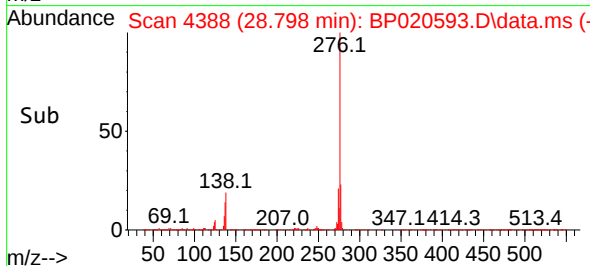
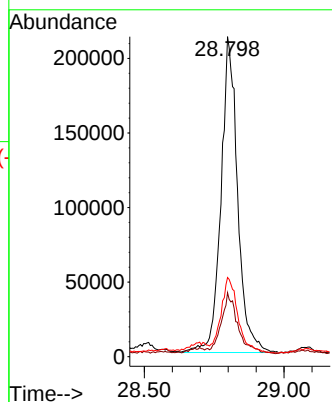
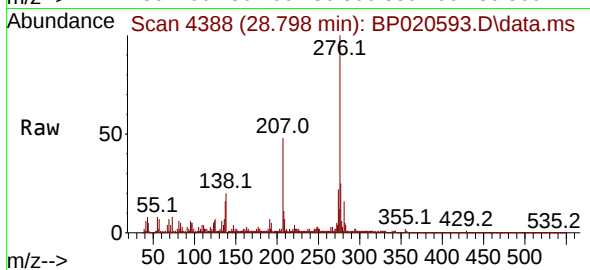
Tgt Ion:276 Resp: 876045

Ion Ratio Lower Upper

276 100

138 17.6 12.8 19.2

277 24.3 15.6 23.4#



#88

Benzo(b)fluoranthene

Concen: 15.628 ng

RT: 23.939 min Scan# 3562

Delta R.T. -0.023 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

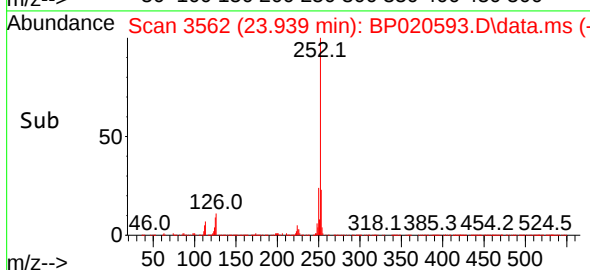
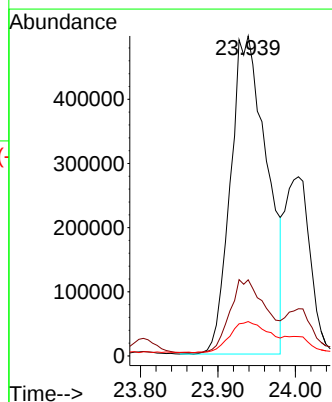
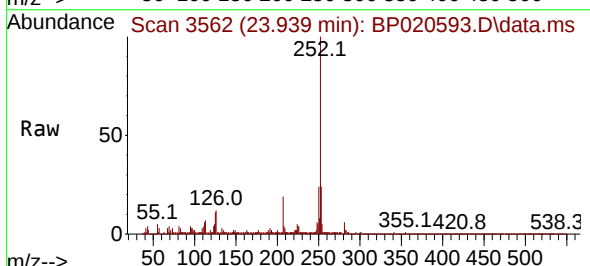
Tgt Ion:252 Resp: 1627025

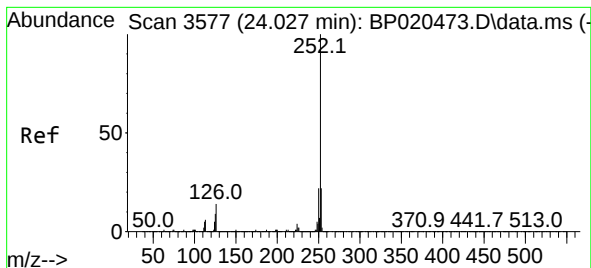
Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 10.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 5.255 ng

RT: 24.004 min Scan# 31

Delta R.T. -0.023 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

Instrument :

BNA_P

ClientSampleId :

SU-04-06072024

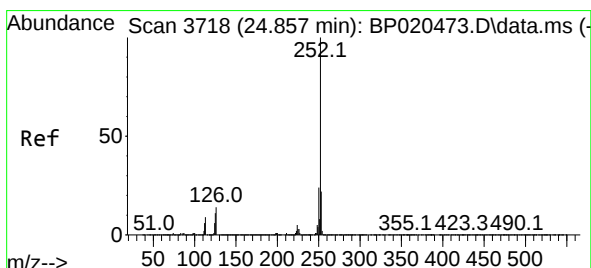
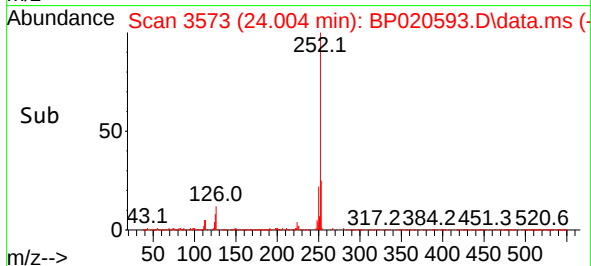
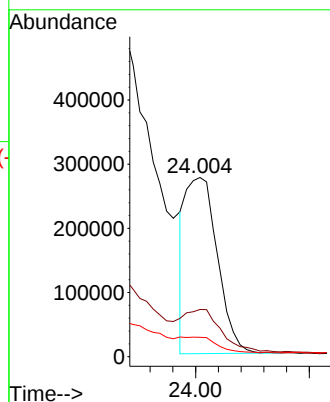
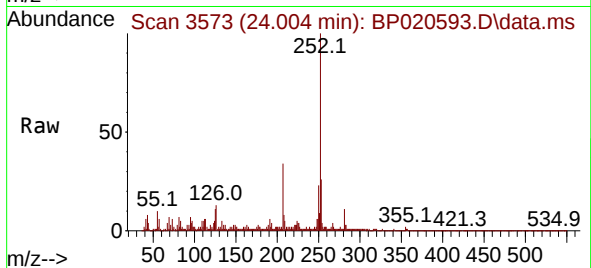
Tgt Ion:252 Resp: 533639

Ion Ratio Lower Upper

252 100

253 26.3 17.7 26.5

125 10.8 7.8 11.6



#90

Benzo(a)pyrene

Concen: 14.827 ng

RT: 24.833 min Scan# 3714

Delta R.T. -0.023 min

Lab File: BP020593.D

Acq: 11 Jun 2024 18:37

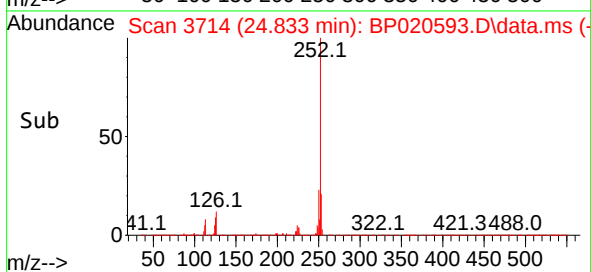
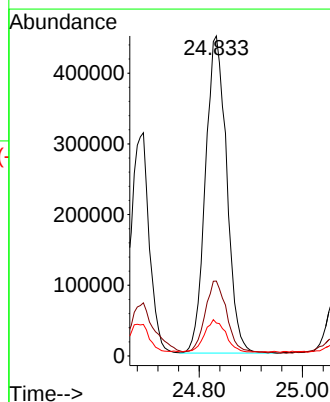
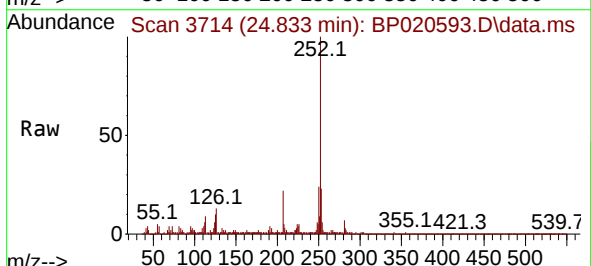
Tgt Ion:252 Resp: 1278361

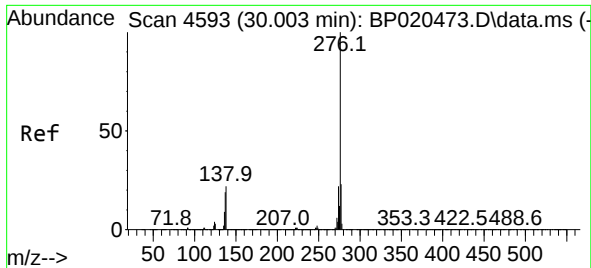
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.2

125 10.3 8.9 13.3





#92
 Benzo(g,h,i)perylene
 Concen: 9.541 ng
 RT: 29.992 min Scan# 4
 Delta R.T. -0.012 min
 Lab File: BP020593.D
 Acq: 11 Jun 2024 18:37

Instrument :
 BNA_P
 ClientSampleId :
 SU-04-06072024

Tgt Ion:276 Resp: 808324
 Ion Ratio Lower Upper
 276 100
 277 25.3 18.7 28.1
 138 22.5 17.7 26.5

