

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP052922\
 Data File : BP010628.D
 Acq On : 29 May 2022 20:18
 Operator : CG/JU
 Sample : N3072-03DL 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PSC-124035DL

Quant Time: May 30 02:07:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 28 02:18:04 2022
 Response via : Initial Calibration

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

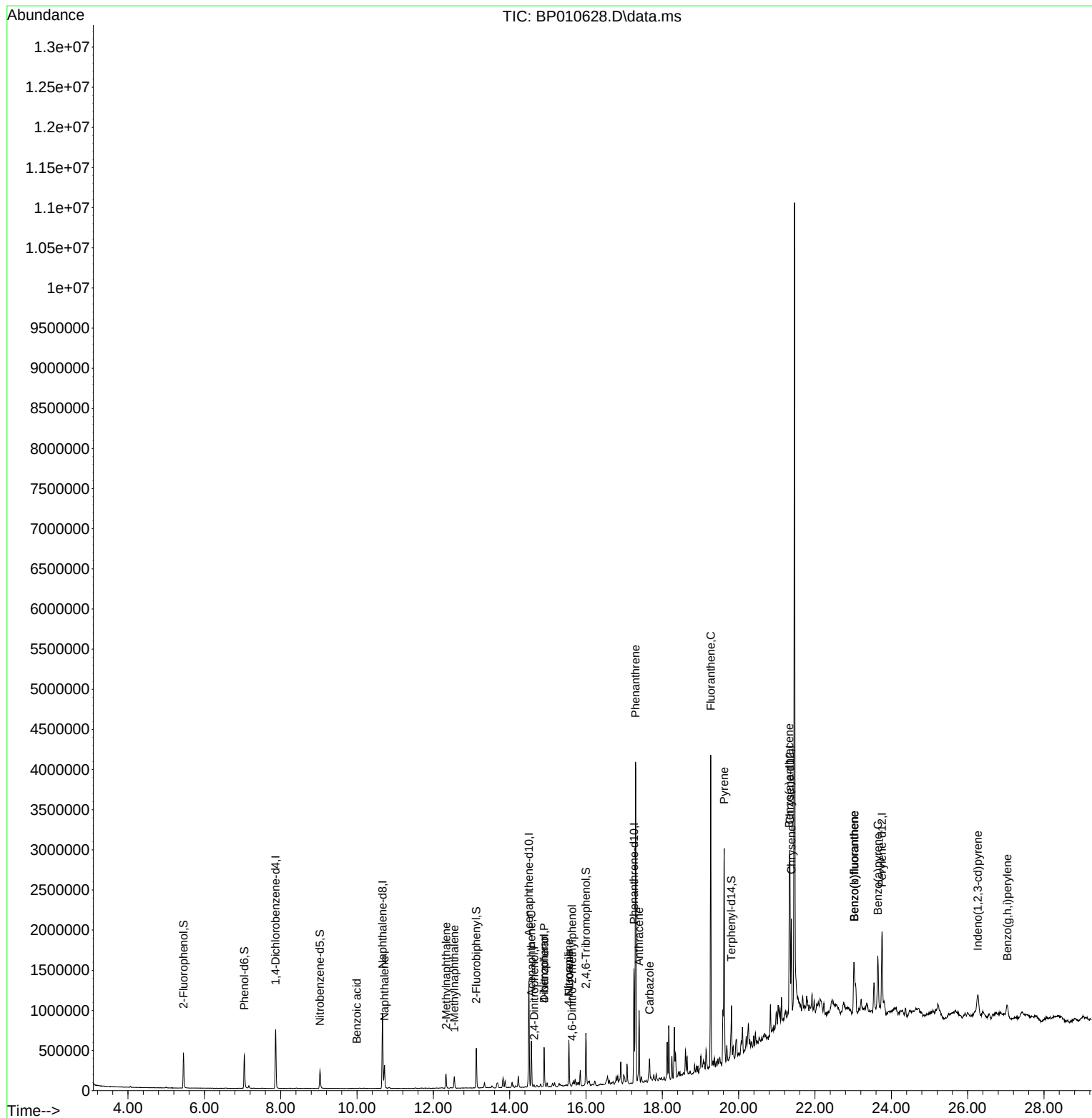
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	195331	20.000	ng	0.00
21) Naphthalene-d8	10.669	136	758568	20.000	ng	0.00
39) Acenaphthene-d10	14.504	164	448820	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	838863	20.000	ng	0.00
76) Chrysene-d12	21.345	240	720041	20.000	ng	0.00
86) Perylene-d12	23.757	264	752155	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	174834	16.329	ng	0.00
7) Phenol-d6	7.046	99	233197	15.341	ng	0.00
23) Nitrobenzene-d5	9.028	82	136168	8.487	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	77077	15.171	ng	0.00
45) 2-Fluorobiphenyl	13.128	172	257490	8.142	ng	0.00
79) Terphenyl-d14	19.810	244	272623	7.112	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.722	128	227350	5.689	ng	99
32) Benzoic acid	9.993	122	144	7.341	ng	# 37
37) 2-Methylnaphthalene	12.334	142	87423	3.135	ng	97
38) 1-Methylnaphthalene	12.551	142	66729	2.450	ng	98
52) Acenaphthene	14.569	154	197789	7.971	ng	98
54) 2,4-Dinitrophenol	14.640	184	28	6.652	ng	# 1
55) Dibenzofuran	14.904	168	283637	7.228	ng	97
56) 4-Nitrophenol	14.904	139	107978	21.813	ng	# 1
58) Fluorene	15.551	166	239480	7.465	ng	98
62) 4-Nitroaniline	15.545	138	3329	2.577	ng	# 20
65) 4,6-Dinitro-2-methylph...	15.634	198	26	4.607	ng	# 1
71) Phenanthrene	17.298	178	2421012	52.627	ng	99
72) Anthracene	17.392	178	563248	12.786	ng	100
73) Carbazole	17.663	167	159283	4.255	ng	98
75) Fluoranthene	19.269	202	2142748	42.884	ng	99
78) Pyrene	19.622	202	1652611	32.934	ng	100
81) Benzo(a)anthracene	21.327	228	786469	16.647	ng	98
83) Chrysene	21.380	228	629386	13.582	ng	96
87) Indeno(1,2,3-cd)pyrene	26.262	276	228151	4.161	ng	96
88) Benzo(b)fluoranthene	23.027	252	638175	13.476	ng	98
89) Benzo(k)fluoranthene	23.027	252	638175	13.294	ng	97
90) Benzo(a)pyrene	23.651	252	451932	11.537	ng	97
92) Benzo(g,h,i)perylene	27.039	276	194095	4.257	ng	# 92

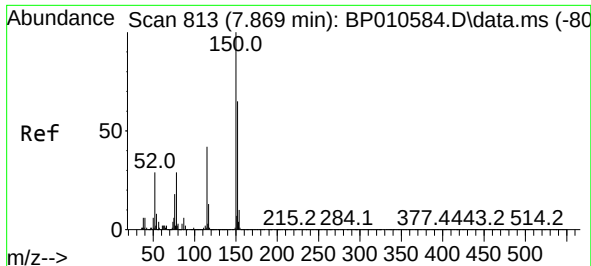
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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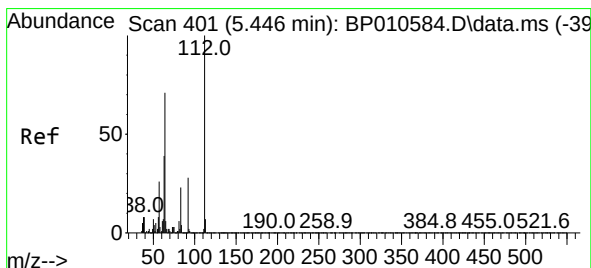
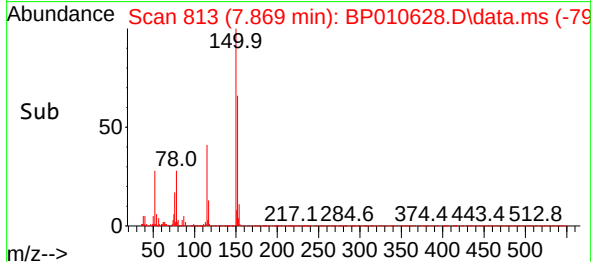
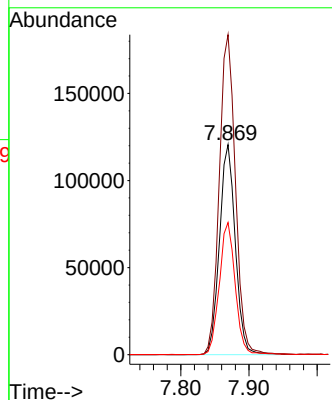
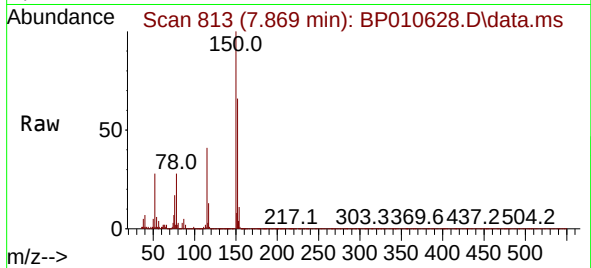




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.869 min Scan# 813
 Delta R.T. 0.000 min
 Lab File: BP010628.D
 Acq: 29 May 2022 20:18

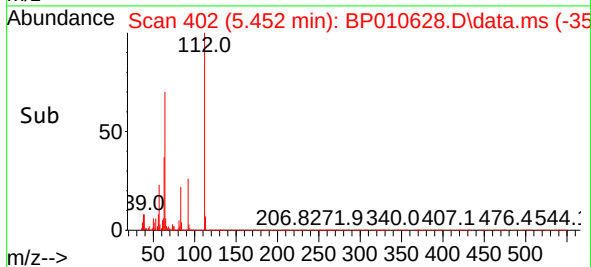
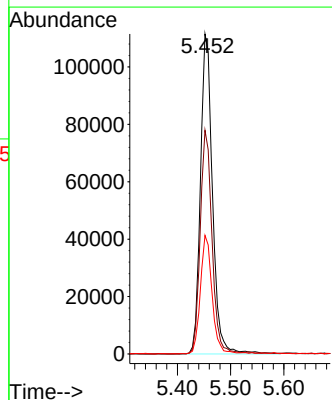
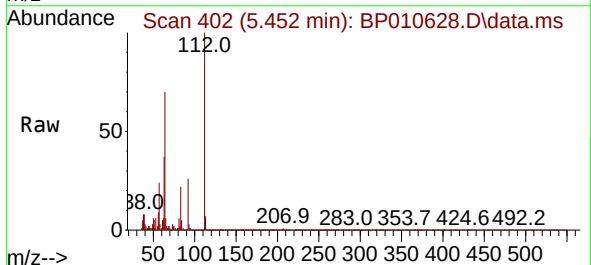
Instrument :
 BNA_P
 ClientSampleId :
 PSC-124035DL

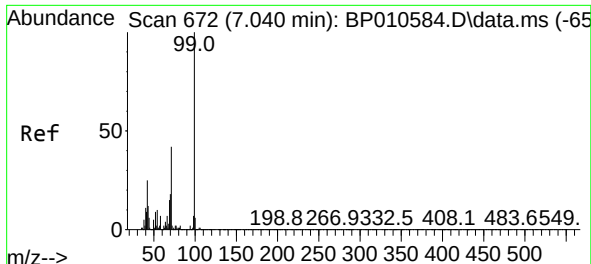
Tgt Ion:152 Resp: 195331
 Ion Ratio Lower Upper
 152 100
 150 152.3 123.4 185.2
 115 62.9 51.3 76.9



#5
 2-Fluorophenol
 Concen: 16.329 ng
 RT: 5.452 min Scan# 402
 Delta R.T. 0.006 min
 Lab File: BP010628.D
 Acq: 29 May 2022 20:18

Tgt Ion:112 Resp: 174834
 Ion Ratio Lower Upper
 112 100
 64 69.9 56.9 85.3
 63 37.0 31.2 46.8

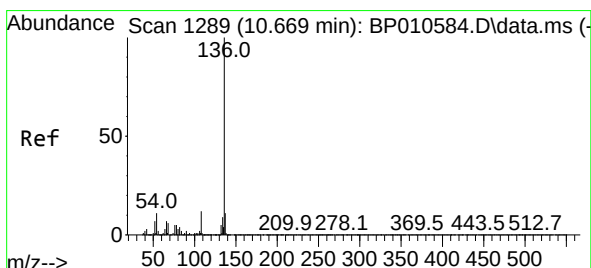
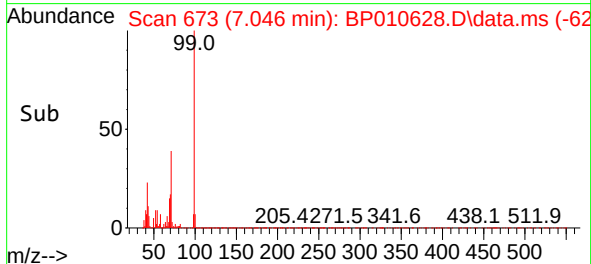
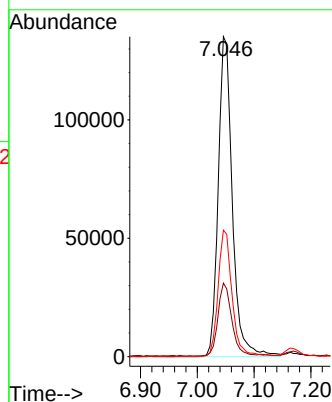
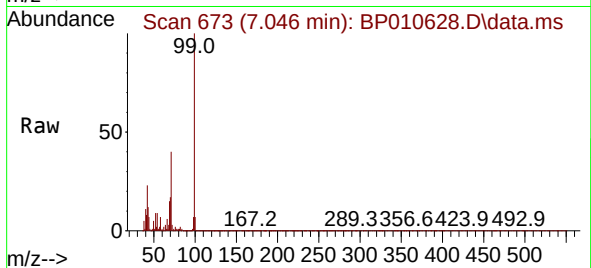




#7
Phenol-d6
Concen: 15.341 ng
RT: 7.046 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

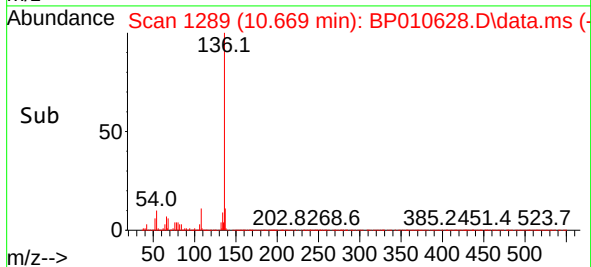
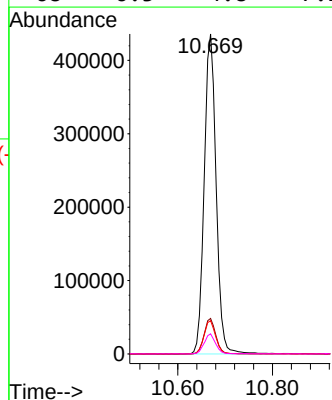
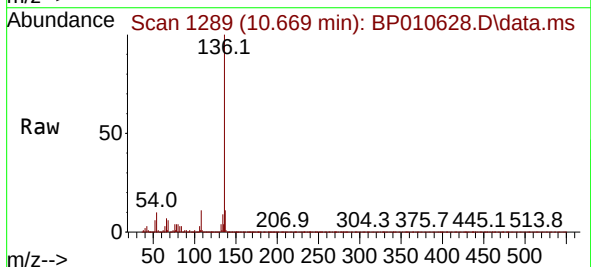
Instrument :
BNA_P
ClientSampleId :
PSC-124035DL

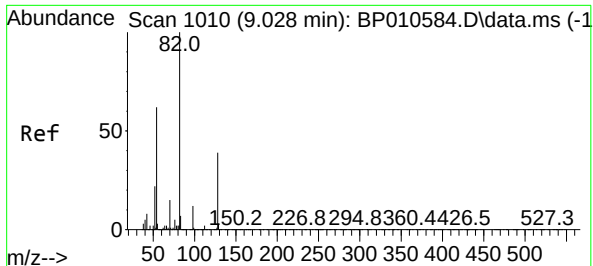
Tgt Ion: 99 Resp: 233197
Ion Ratio Lower Upper
99 100
42 23.0 20.3 30.5
71 39.5 33.9 50.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.669 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

Tgt Ion: 136 Resp: 758568
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 10.4 8.7 13.1
68 6.3 4.8 7.2





#23

Nitrobenzene-d5

Concen: 8.487 ng

RT: 9.028 min Scan# 1010

Delta R.T. 0.000 min

Lab File: BP010628.D

Acq: 29 May 2022 20:18

Instrument :

BNA_P

ClientSampleId :

PSC-124035DL

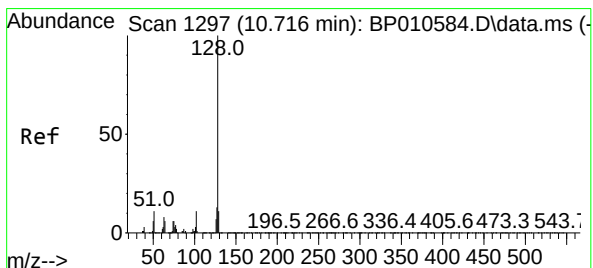
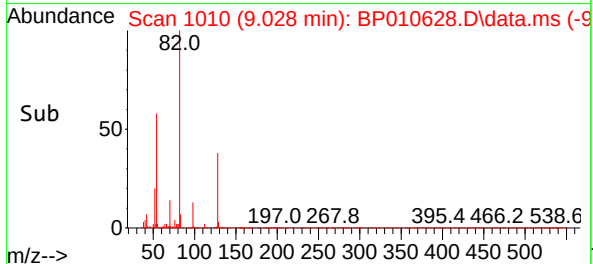
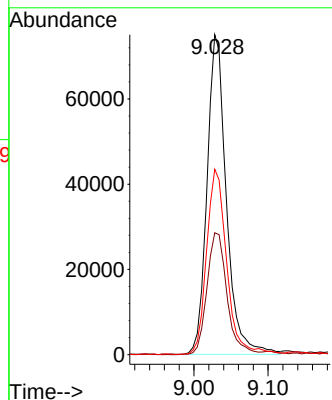
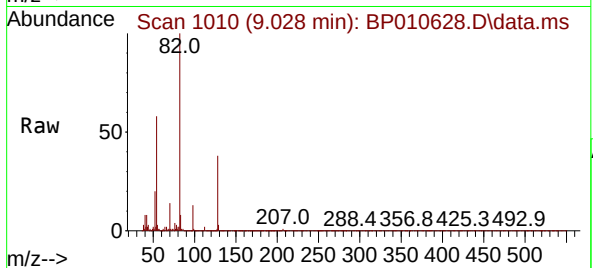
Tgt Ion: 82 Resp: 136168

Ion Ratio Lower Upper

82 100

128 38.1 31.3 46.9

54 57.9 49.8 74.8



#31

Naphthalene

Concen: 5.689 ng

RT: 10.722 min Scan# 1298

Delta R.T. 0.006 min

Lab File: BP010628.D

Acq: 29 May 2022 20:18

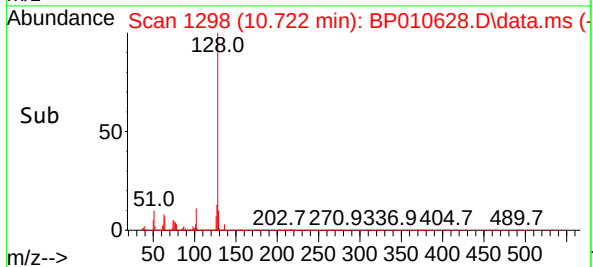
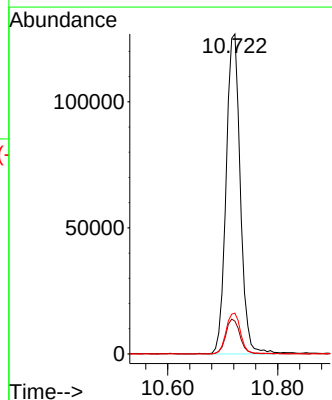
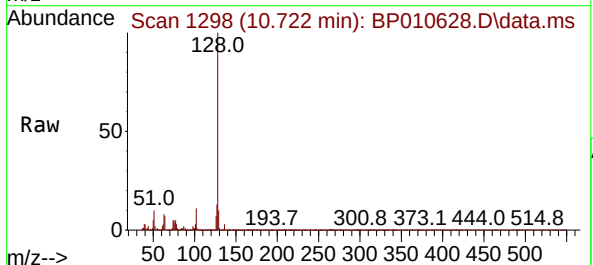
Tgt Ion: 128 Resp: 227350

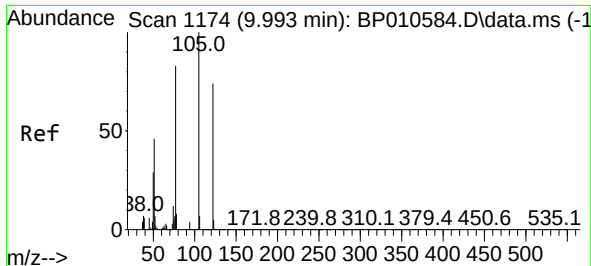
Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

127 12.8 10.3 15.5

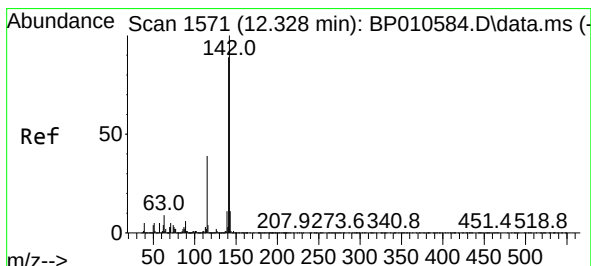
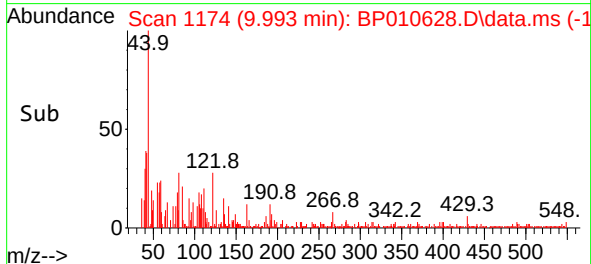
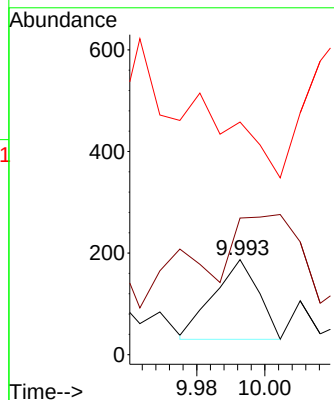
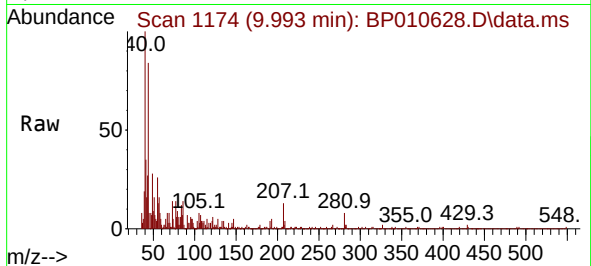




#32
Benzoic acid
Concen: 7.341 ng
RT: 9.993 min Scan# 1174
Delta R.T. -0.000 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

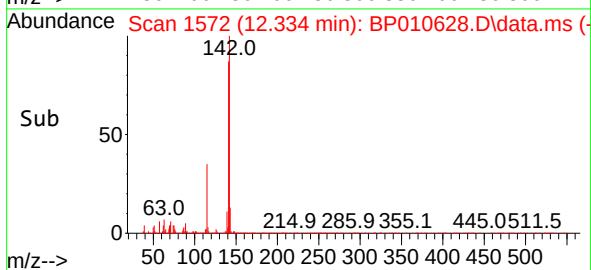
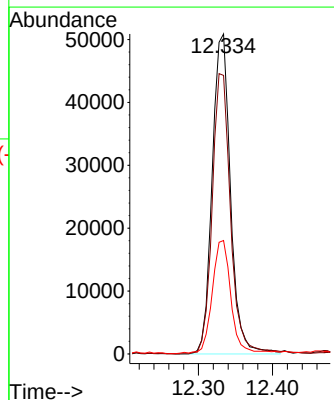
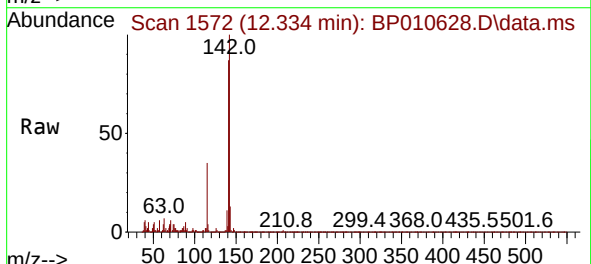
Instrument :
BNA_P
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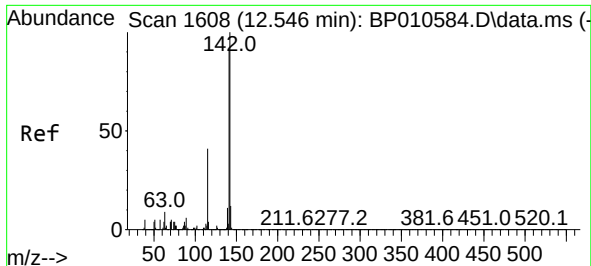
Tgt Ion:	122	Resp:	144
Ion	Ratio	Lower	Upper
122	100		
105	143.9	112.6	152.6
77	244.9	90.2	130.2



#37
2-Methylnaphthalene
Concen: 3.135 ng
RT: 12.334 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

Tgt Ion:	142	Resp:	87423
Ion	Ratio	Lower	Upper
142	100		
141	87.1	71.3	106.9
115	35.5	31.4	47.2

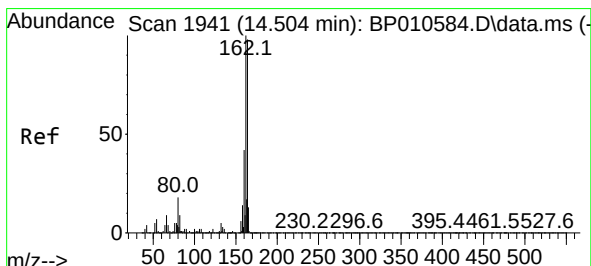
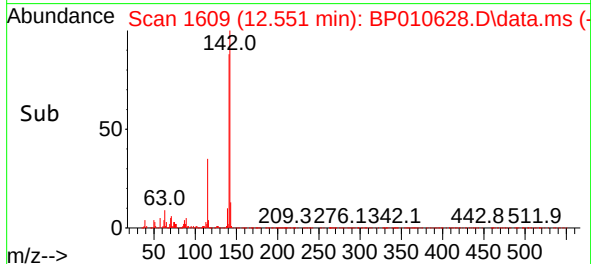
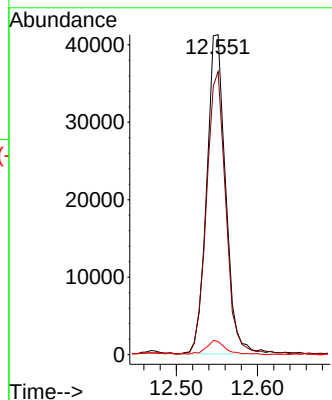
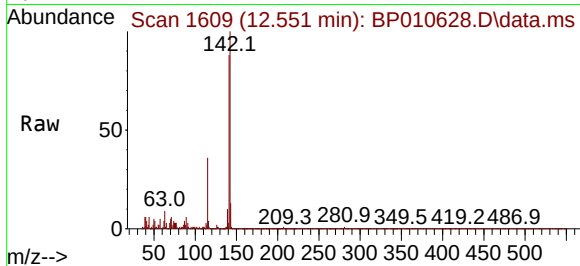




#38
1-Methylnaphthalene
Concen: 2.450 ng
RT: 12.551 min Scan# 1609
Delta R.T. 0.006 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

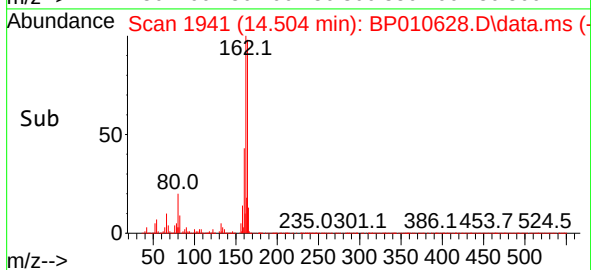
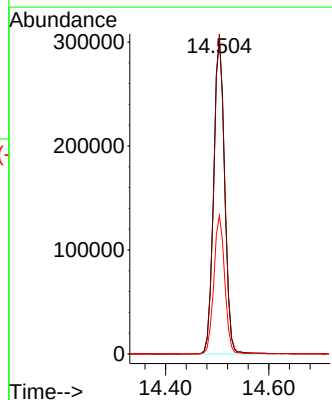
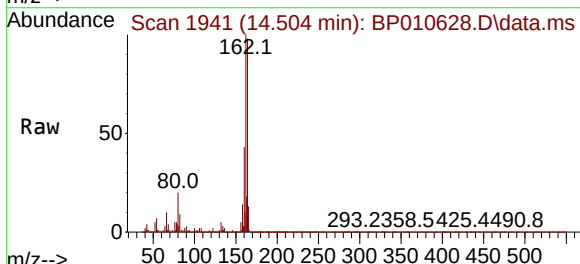
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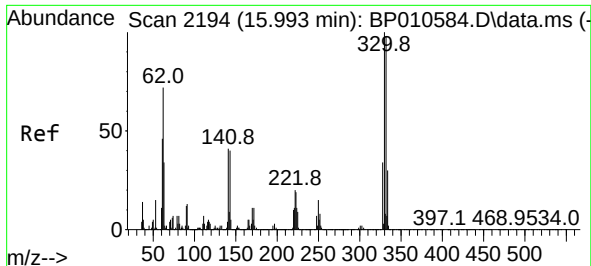
Tgt Ion:142 Resp: 66729
Ion Ratio Lower Upper
142 100
141 88.4 72.6 108.8
116 4.1 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1941
Delta R.T. 0.000 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

Tgt Ion:164 Resp: 448820
Ion Ratio Lower Upper
164 100
162 101.9 81.9 122.9
160 44.1 34.6 51.8

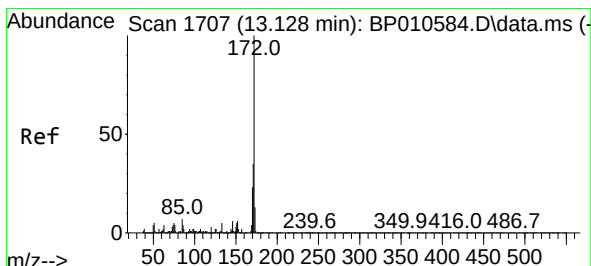
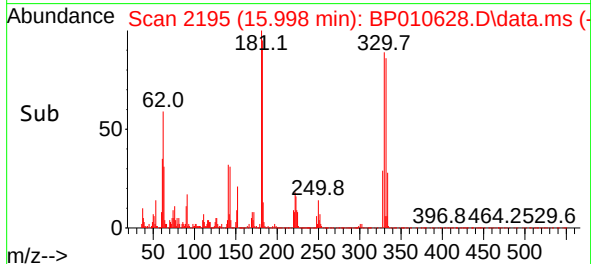
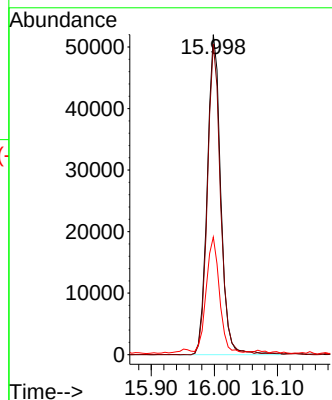
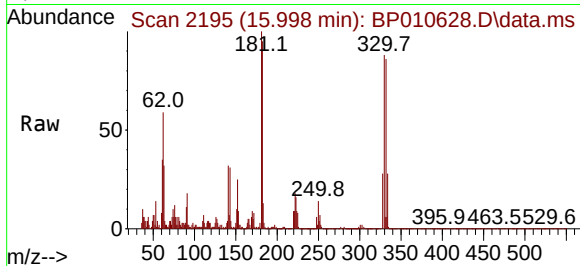




#42
2,4,6-Tribromophenol
Concen: 15.171 ng
RT: 15.998 min Scan# 2194
Delta R.T. 0.005 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

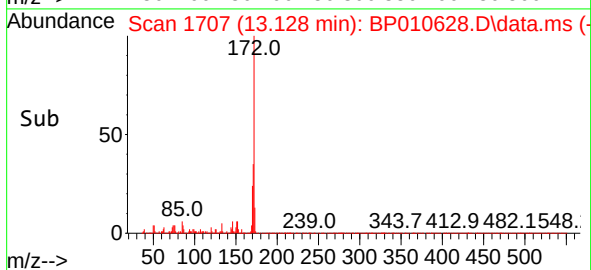
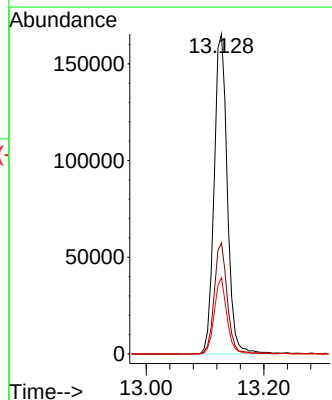
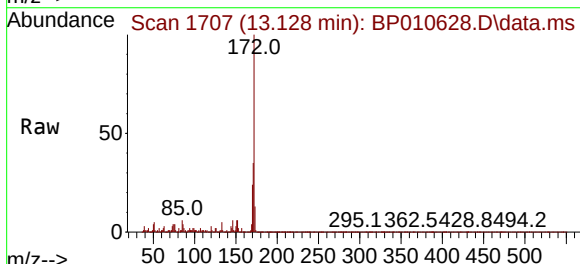
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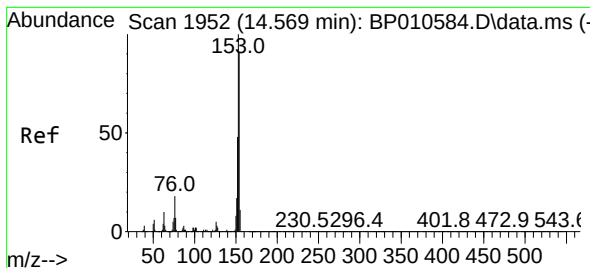
Tgt Ion: 330 Resp: 77077
Ion Ratio Lower Upper
330 100
332 95.1 78.1 117.1
141 35.0 31.4 47.2



#45
2-Fluorobiphenyl
Concen: 8.142 ng
RT: 13.128 min Scan# 1707
Delta R.T. -0.000 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

Tgt Ion: 172 Resp: 257490
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.9 18.2 27.2





#52

Acenaphthene

Concen: 7.971 ng

RT: 14.569 min Scan# 1952

Delta R.T. -0.000 min

Lab File: BP010628.D

Acq: 29 May 2022 20:18

Instrument :

BNA_P

ClientSampleId :

PSC-124035DL

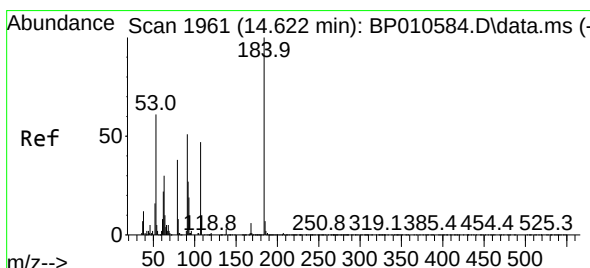
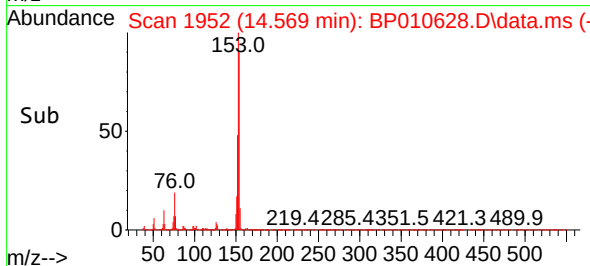
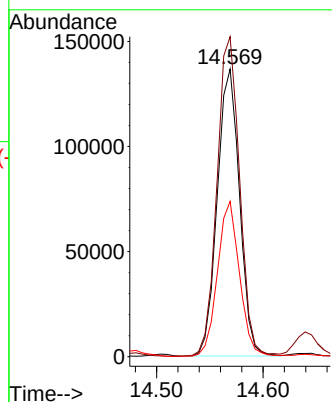
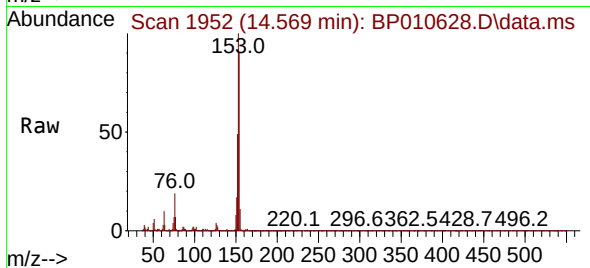
Tgt Ion:154 Resp: 197789

Ion Ratio Lower Upper

154 100

153 111.2 87.4 131.2

152 54.0 41.7 62.5



#54

2,4-Dinitrophenol

Concen: 6.652 ng

RT: 14.640 min Scan# 1964

Delta R.T. 0.018 min

Lab File: BP010628.D

Acq: 29 May 2022 20:18

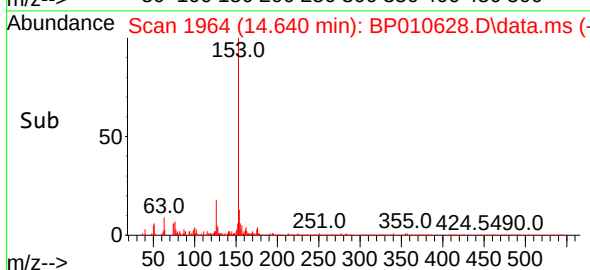
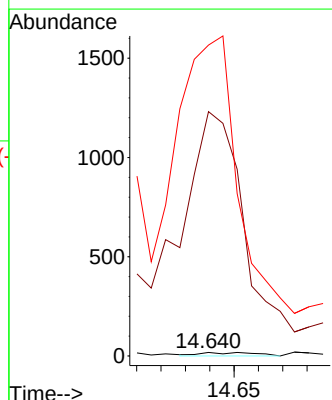
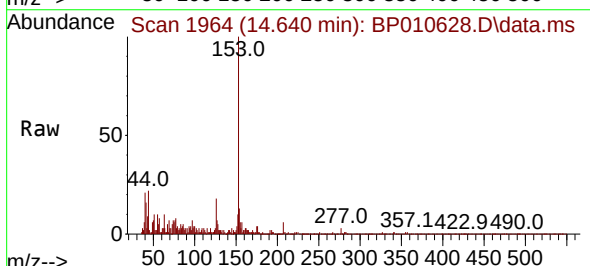
Tgt Ion:184 Resp: 28

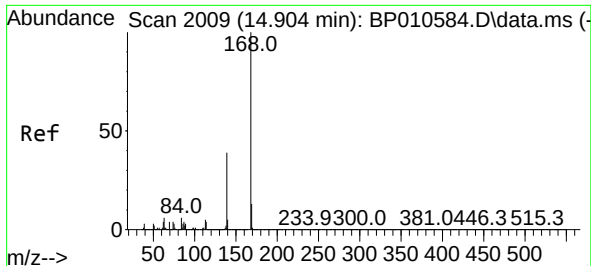
Ion Ratio Lower Upper

184 100

63 6838.9 65.4 98.2#

154 8700.0 55.4 83.2#

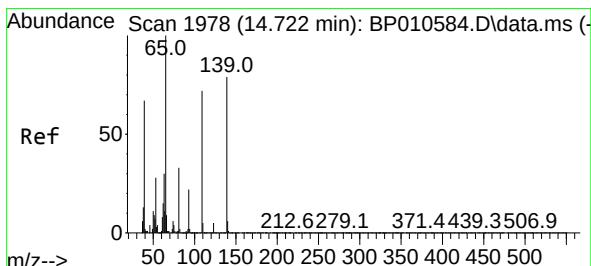
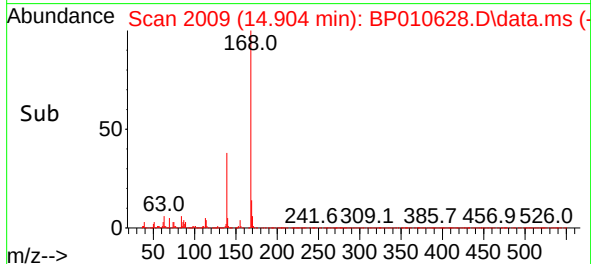
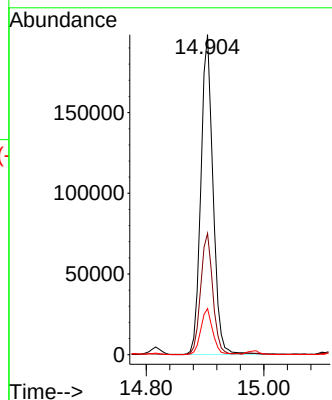
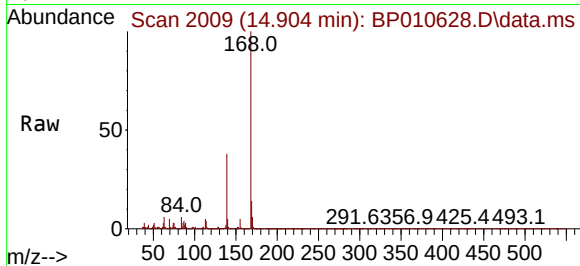




#55
Dibenzofuran
Concen: 7.228 ng
RT: 14.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

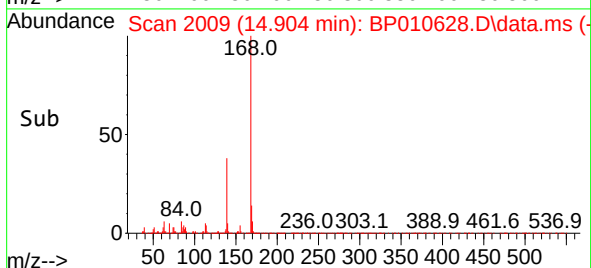
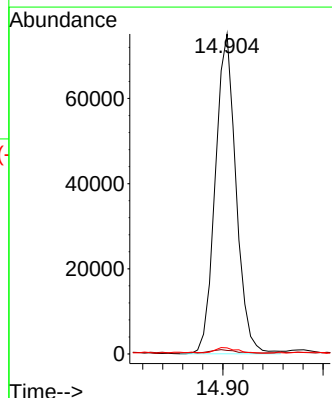
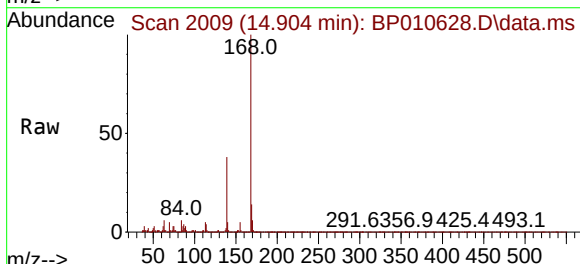
Instrument :
BNA_P
ClientSampleId :
PSC-124035DL

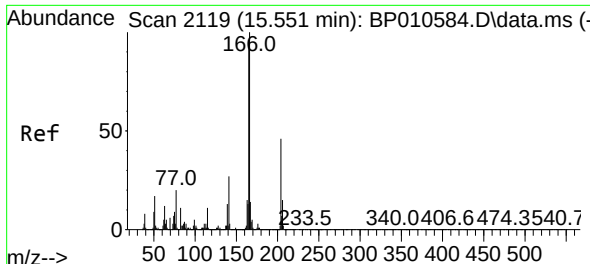
Tgt Ion:168 Resp: 283637
Ion Ratio Lower Upper
168 100
139 37.9 31.5 47.3
169 14.4 10.3 15.5



#56
4-Nitrophenol
Concen: 21.813 ng
RT: 14.904 min Scan# 2009
Delta R.T. 0.182 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

Tgt Ion:139 Resp: 107978
Ion Ratio Lower Upper
139 100
109 1.1 70.6 110.6#
65 1.9 106.6 146.6#

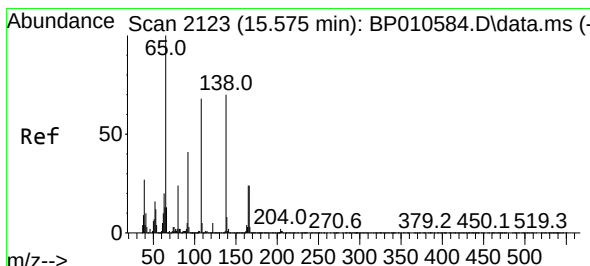
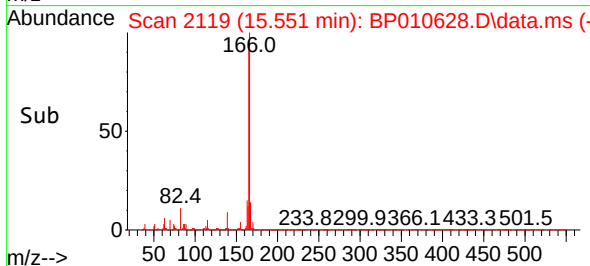
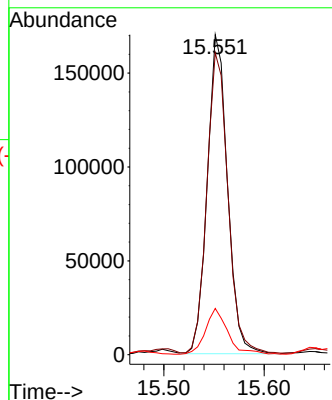
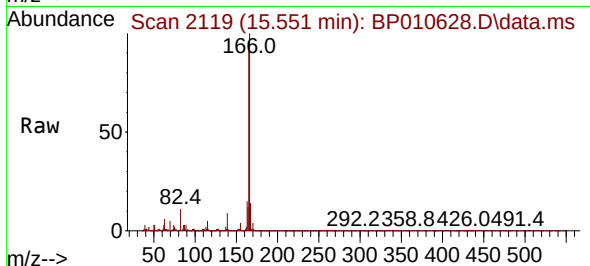




#58
Fluorene
Concen: 7.465 ng
RT: 15.551 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

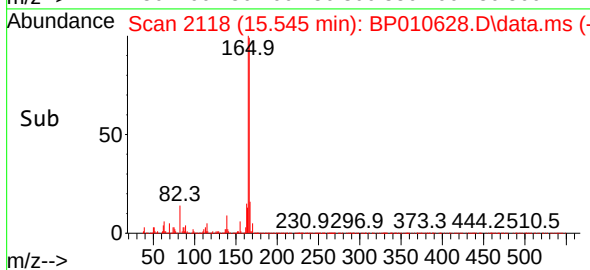
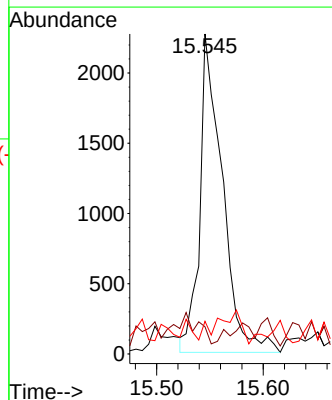
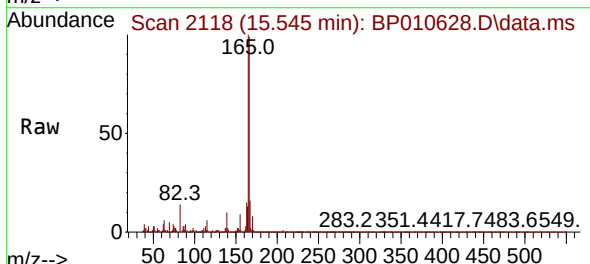
Instrument :
BNA_P
ClientSampleId :
PSC-124035DL

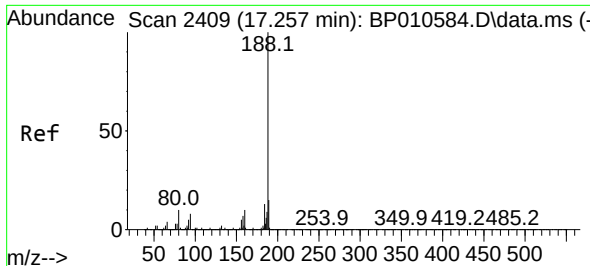
Tgt Ion:166 Resp: 239480
Ion Ratio Lower Upper
166 100
165 94.3 77.0 115.4
167 14.4 10.9 16.3



#62
4-Nitroaniline
Concen: 2.577 ng
RT: 15.545 min Scan# 2118
Delta R.T. -0.030 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

Tgt Ion:138 Resp: 3329
Ion Ratio Lower Upper
138 100
92 8.5 38.0 78.0#
108 10.2 77.6 117.6#

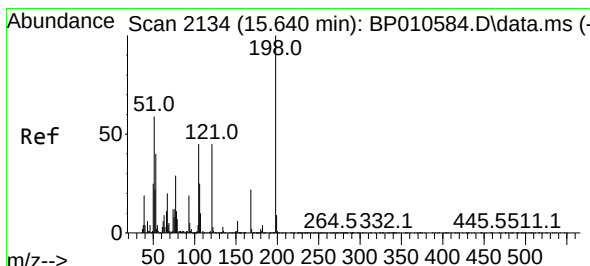
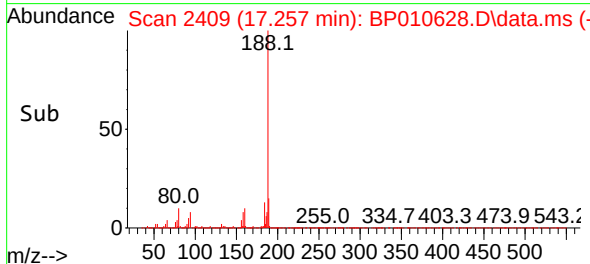
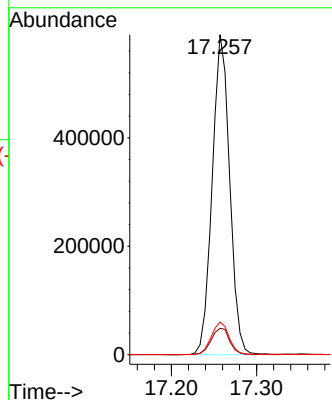
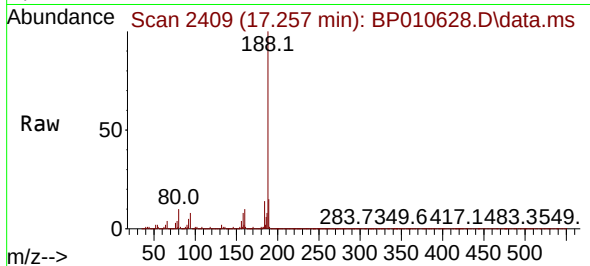




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

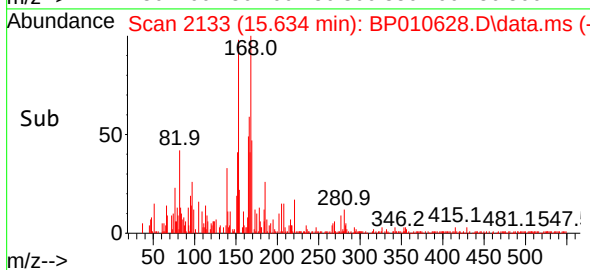
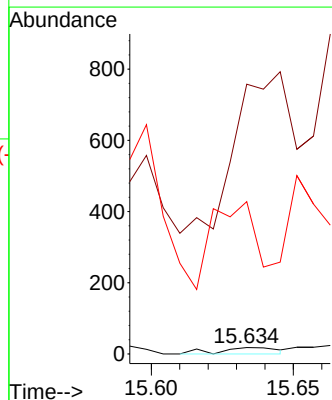
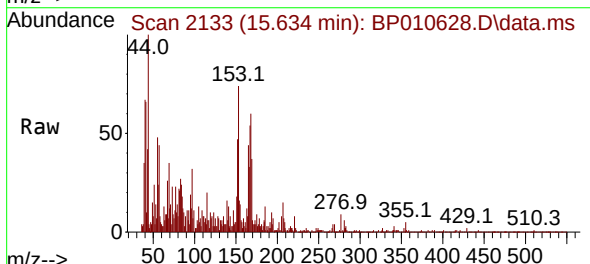
Instrument :
BNA_P
ClientSampleId :
PSC-124035DL

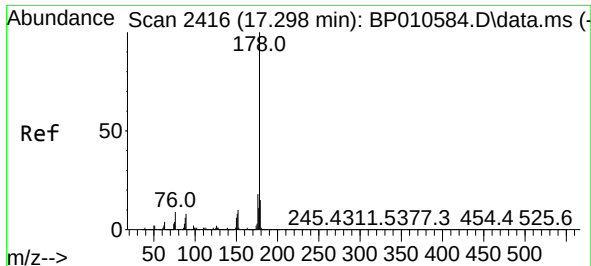
Tgt Ion:188 Resp: 838863
Ion Ratio Lower Upper
188 100
94 8.2 6.6 10.0
80 10.2 8.0 12.0



#65
4,6-Dinitro-2-methylphenol
Concen: 4.607 ng
RT: 15.634 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

Tgt Ion:198 Resp: 26
Ion Ratio Lower Upper
198 100
51 4211.1 41.2 81.2#
105 2377.8 25.3 65.3#

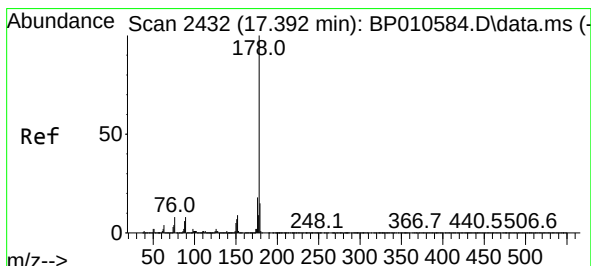
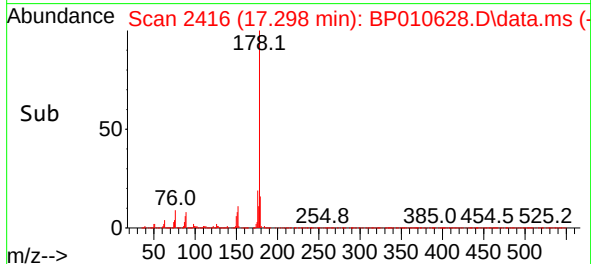
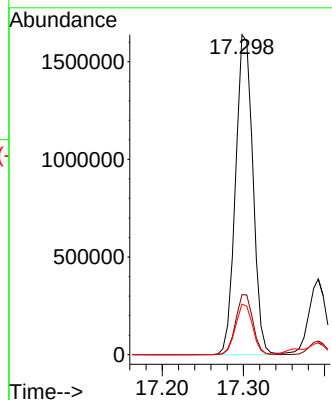
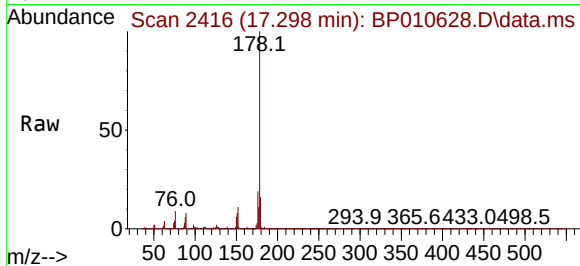




#71
Phenanthrene
Concen: 52.627 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

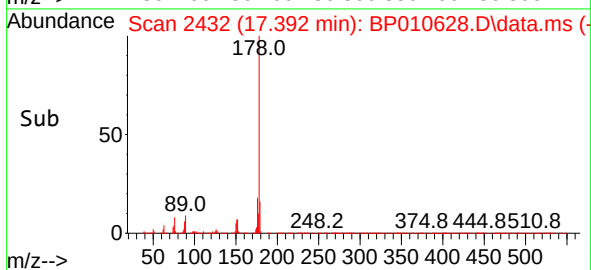
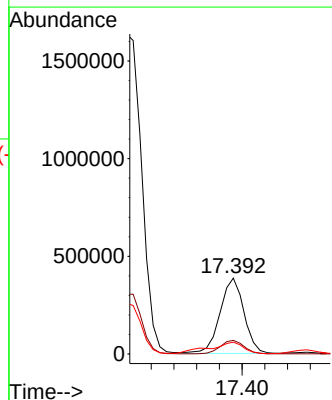
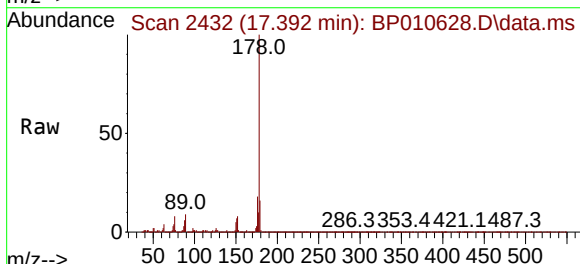
Instrument :
BNA_P
ClientSampleId :
PSC-124035DL

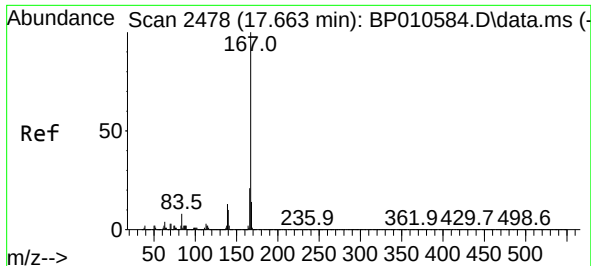
Tgt Ion:178 Resp: 2421012
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.8 12.2 18.2



#72
Anthracene
Concen: 12.786 ng
RT: 17.392 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

Tgt Ion:178 Resp: 563248
Ion Ratio Lower Upper
178 100
176 18.0 14.5 21.7
179 15.6 12.2 18.4

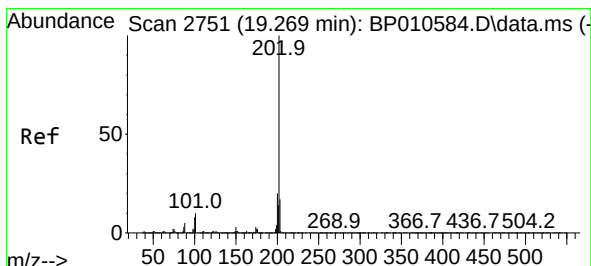
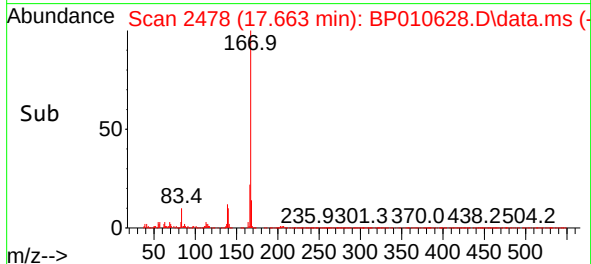
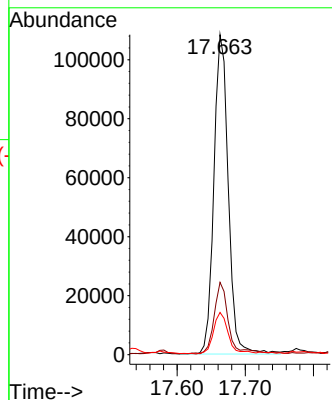
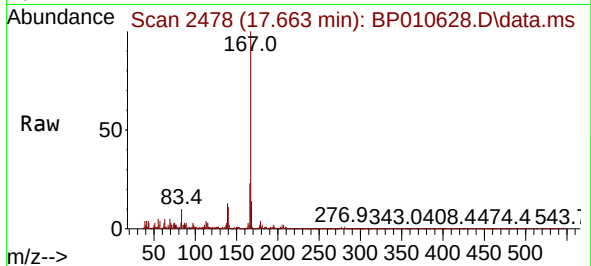




#73
 Carbazole
 Concen: 4.255 ng
 RT: 17.663 min Scan# 2478
 Delta R.T. -0.000 min
 Lab File: BP010628.D
 Acq: 29 May 2022 20:18

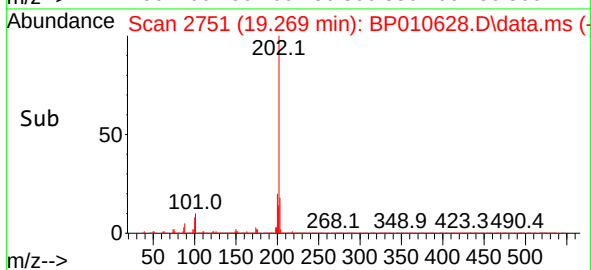
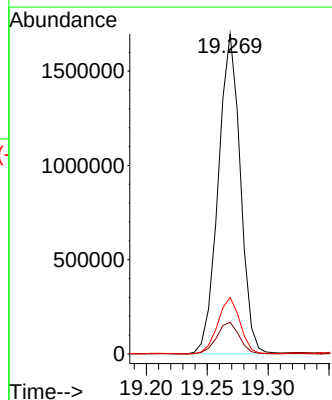
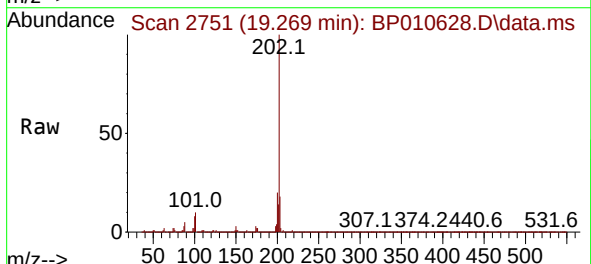
Instrument :
 BNA_P
 ClientSampleId :
 PSC-124035DL

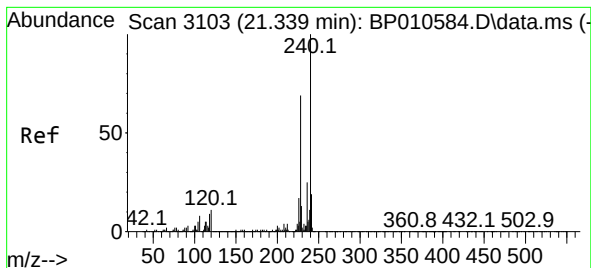
Tgt Ion:	167	Resp:	159283
Ion	Ratio	Lower	Upper
167	100		
166	22.6	16.9	25.3
139	13.2	10.6	15.8



#75
 Fluoranthene
 Concen: 42.884 ng
 RT: 19.269 min Scan# 2751
 Delta R.T. -0.000 min
 Lab File: BP010628.D
 Acq: 29 May 2022 20:18

Tgt Ion:	202	Resp:	2142748
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.6
203	17.6	0.0	36.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.345 min Scan# 3104

Delta R.T. 0.006 min

Lab File: BP010628.D

Acq: 29 May 2022 20:18

Instrument :

BNA_P

ClientSampleId :

PSC-124035DL

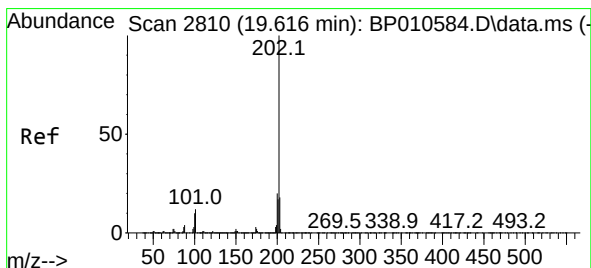
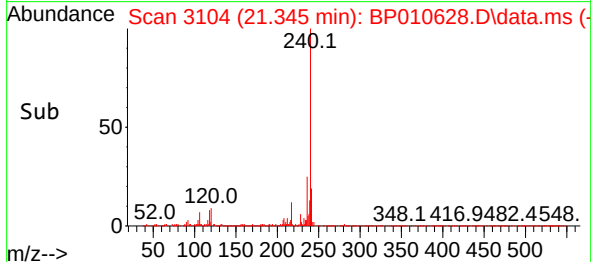
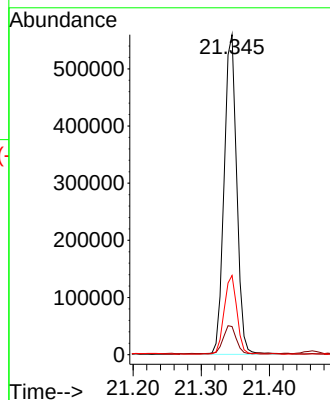
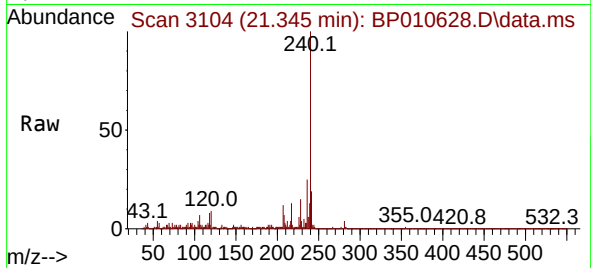
Tgt Ion:240 Resp: 720041

Ion Ratio Lower Upper

240 100

120 8.8 8.6 12.8

236 24.7 19.8 29.6



#78

Pyrene

Concen: 32.934 ng

RT: 19.622 min Scan# 2811

Delta R.T. 0.006 min

Lab File: BP010628.D

Acq: 29 May 2022 20:18

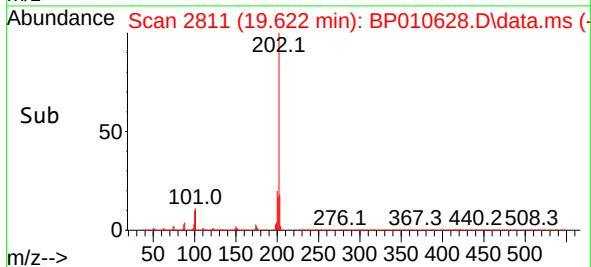
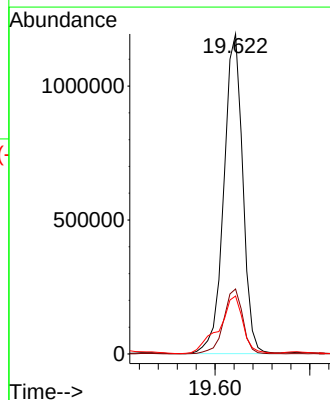
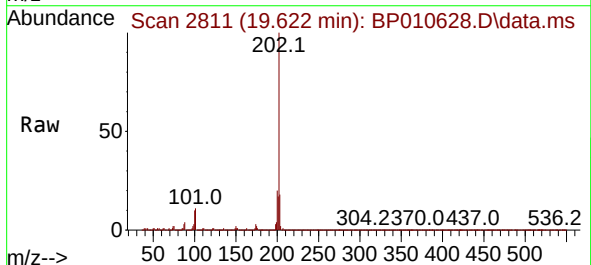
Tgt Ion:202 Resp: 1652611

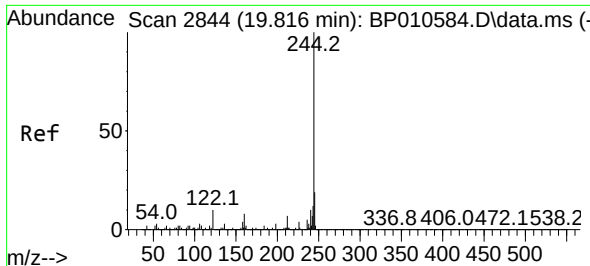
Ion Ratio Lower Upper

202 100

200 20.3 16.3 24.5

203 18.1 14.2 21.4

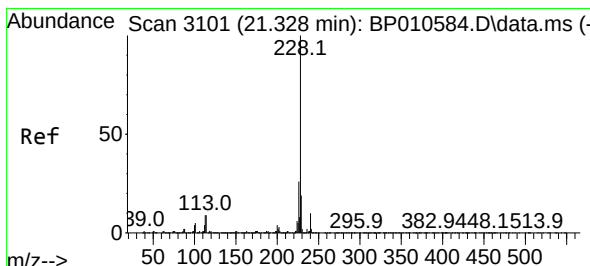
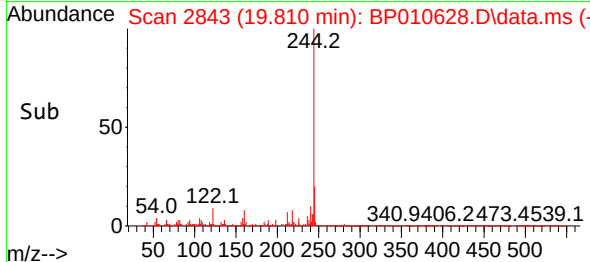
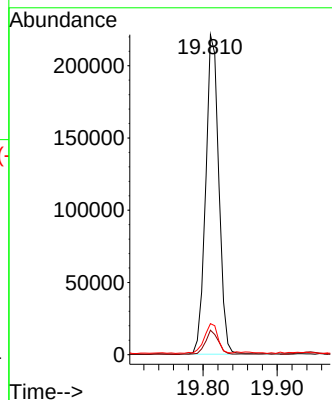
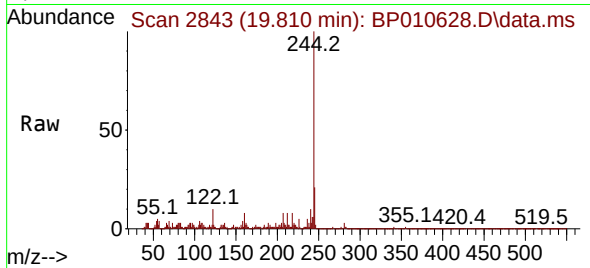




#79
 Terphenyl-d14
 Concen: 7.112 ng
 RT: 19.810 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP010628.D
 Acq: 29 May 2022 20:18

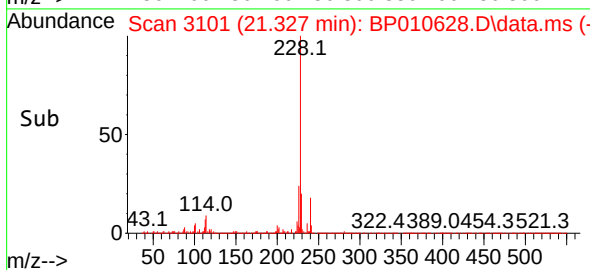
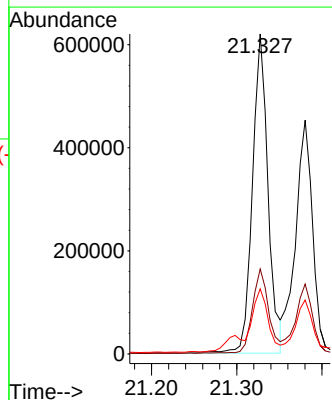
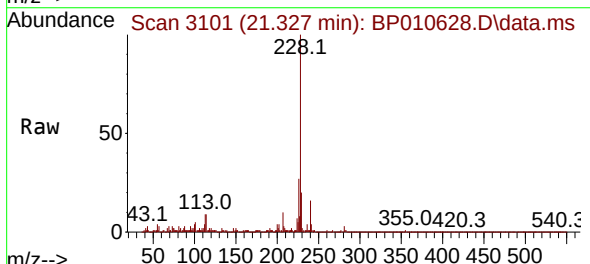
Instrument :
 BNA_P
 ClientSampleId :
 PSC-124035DL

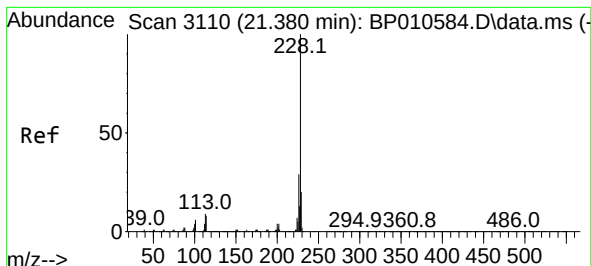
Tgt Ion:244 Resp: 272623
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 9.7 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 16.647 ng
 RT: 21.327 min Scan# 3101
 Delta R.T. -0.000 min
 Lab File: BP010628.D
 Acq: 29 May 2022 20:18

Tgt Ion:228 Resp: 786469
 Ion Ratio Lower Upper
 228 100
 226 26.6 20.8 31.2
 229 20.3 15.2 22.8





#83

Chrysene

Concen: 13.582 ng

RT: 21.380 min Scan# 3110

Delta R.T. -0.000 min

Lab File: BP010628.D

Acq: 29 May 2022 20:18

Instrument :

BNA_P

ClientSampleId :

PSC-124035DL

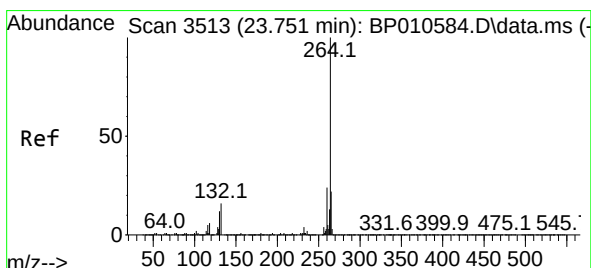
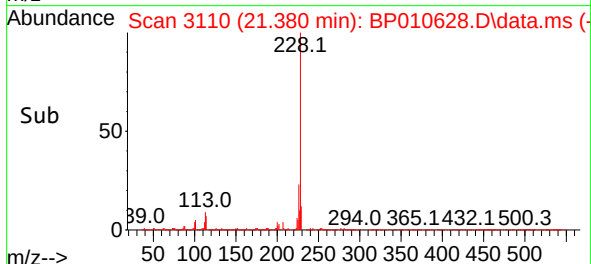
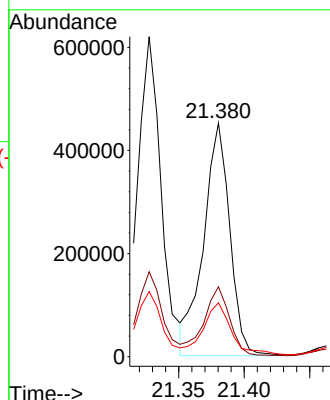
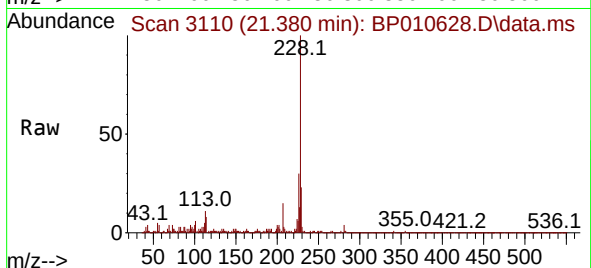
Tgt Ion:228 Resp: 629386

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

229 23.1 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.757 min Scan# 3514

Delta R.T. 0.006 min

Lab File: BP010628.D

Acq: 29 May 2022 20:18

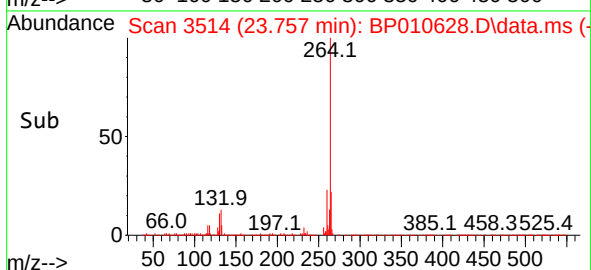
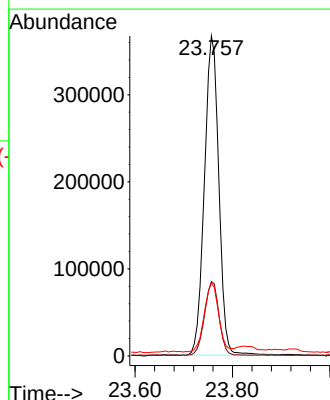
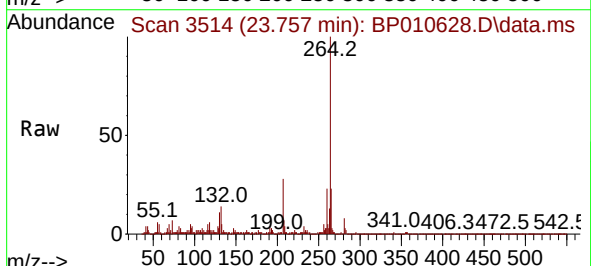
Tgt Ion:264 Resp: 752155

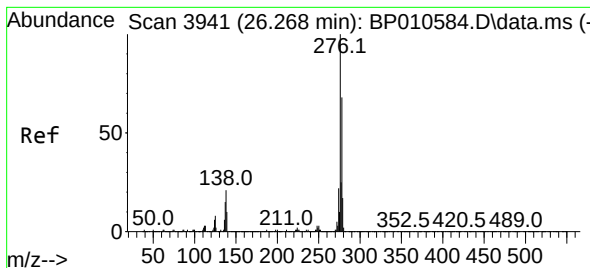
Ion Ratio Lower Upper

264 100

260 23.2 19.3 28.9

265 22.8 18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.161 ng

RT: 26.262 min Scan# 3390

Delta R.T. -0.006 min

Lab File: BP010628.D

Acq: 29 May 2022 20:18

Instrument :

BNA_P

ClientSampleId :

PSC-124035DL

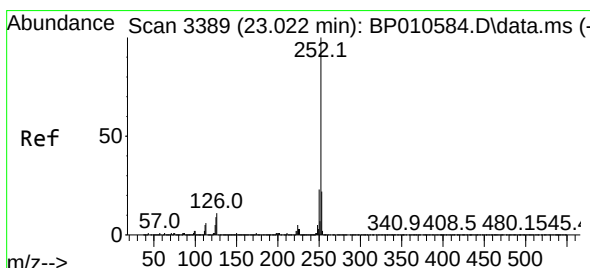
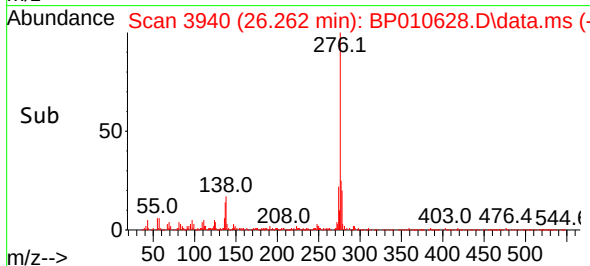
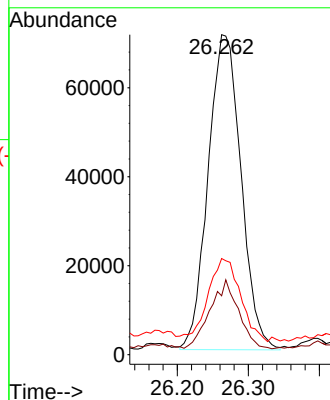
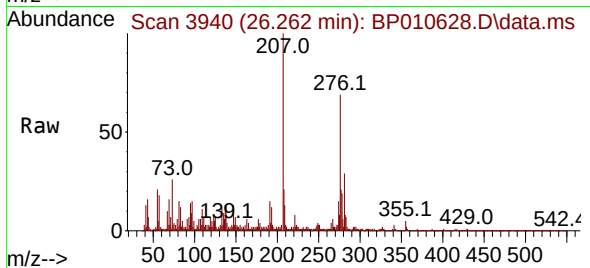
Tgt Ion:276 Resp: 228151

Ion Ratio Lower Upper

276 100

138 19.0 17.5 26.3

277 26.1 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 13.476 ng

RT: 23.027 min Scan# 3390

Delta R.T. 0.006 min

Lab File: BP010628.D

Acq: 29 May 2022 20:18

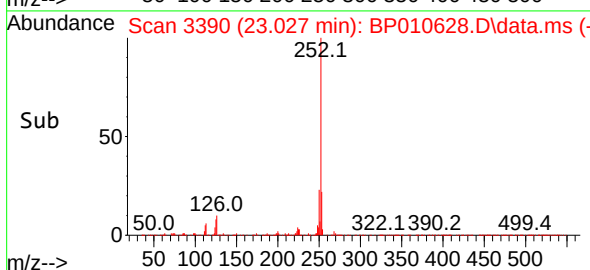
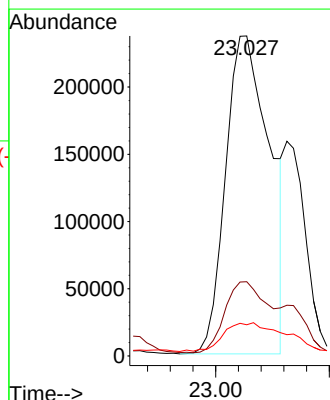
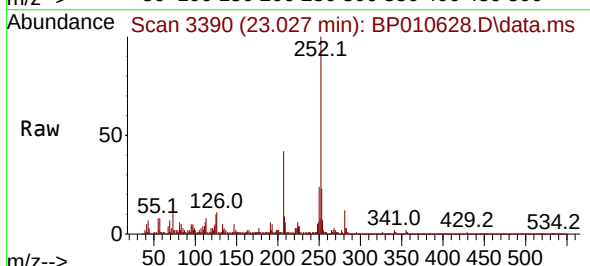
Tgt Ion:252 Resp: 638175

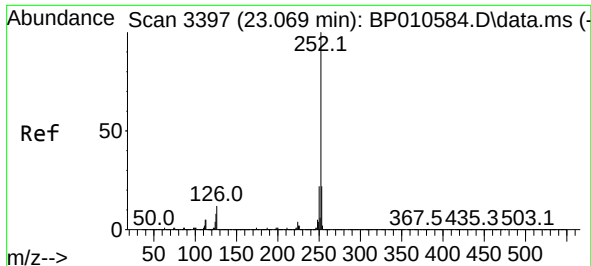
Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.6

125 9.7 7.0 10.6

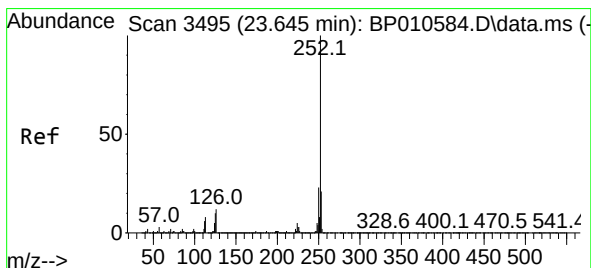
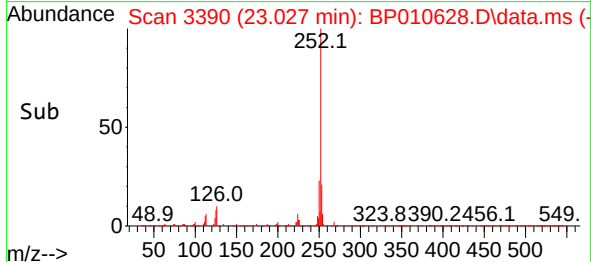
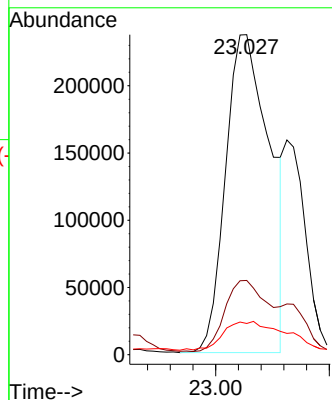
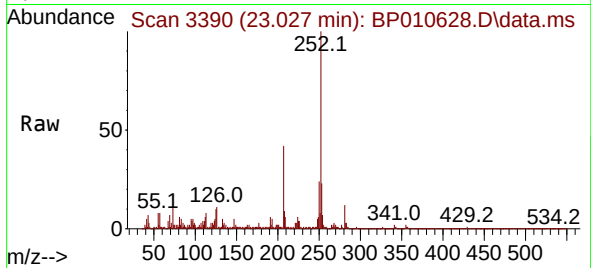




#89
Benzo(k)fluoranthene
Concen: 13.294 ng
RT: 23.027 min Scan# 31
Delta R.T. -0.041 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

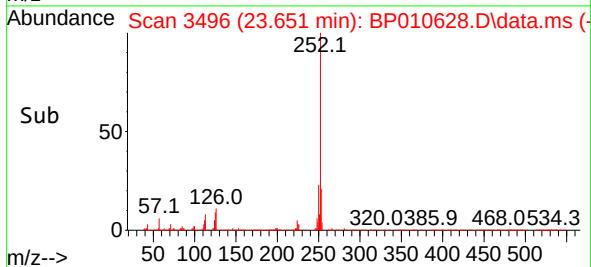
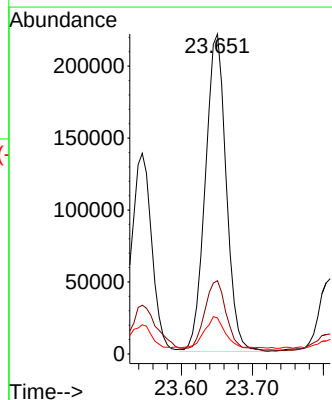
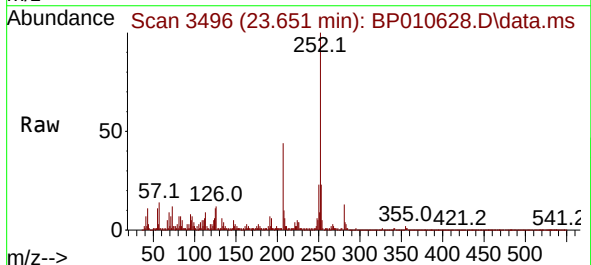
Instrument :
BNA_P
ClientSampleId :
PSC-124035DL

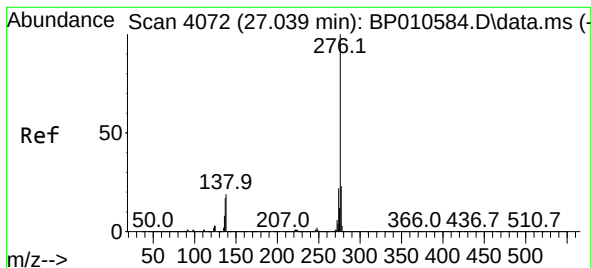
Tgt Ion:252 Resp: 638175
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 9.7 7.0 10.4



#90
Benzo(a)pyrene
Concen: 11.537 ng
RT: 23.651 min Scan# 3496
Delta R.T. 0.006 min
Lab File: BP010628.D
Acq: 29 May 2022 20:18

Tgt Ion:252 Resp: 451932
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 11.3 7.9 11.9





#92

Benzo(g,h,i)perylene

Concen: 4.257 ng

RT: 27.039 min Scan# 40

Delta R.T. -0.000 min

Lab File: BP010628.D

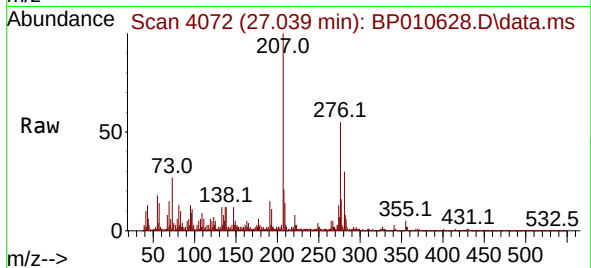
Acq: 29 May 2022 20:18

Instrument :

BNA_P

ClientSampleId :

PSC-124035DL



Tgt Ion:276 Resp: 194095

Ion Ratio Lower Upper

276 100

277 28.7 18.7 28.1#

138 21.5 15.2 22.8

