

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121521\
 Data File : BP008417.D
 Acq On : 15 Dec 2021 15:15
 Operator : CG/JU
 Sample : M5076-11
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-C

Quant Time: Dec 15 15:56:45 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 14 17:59:47 2021
 Response via : Initial Calibration

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

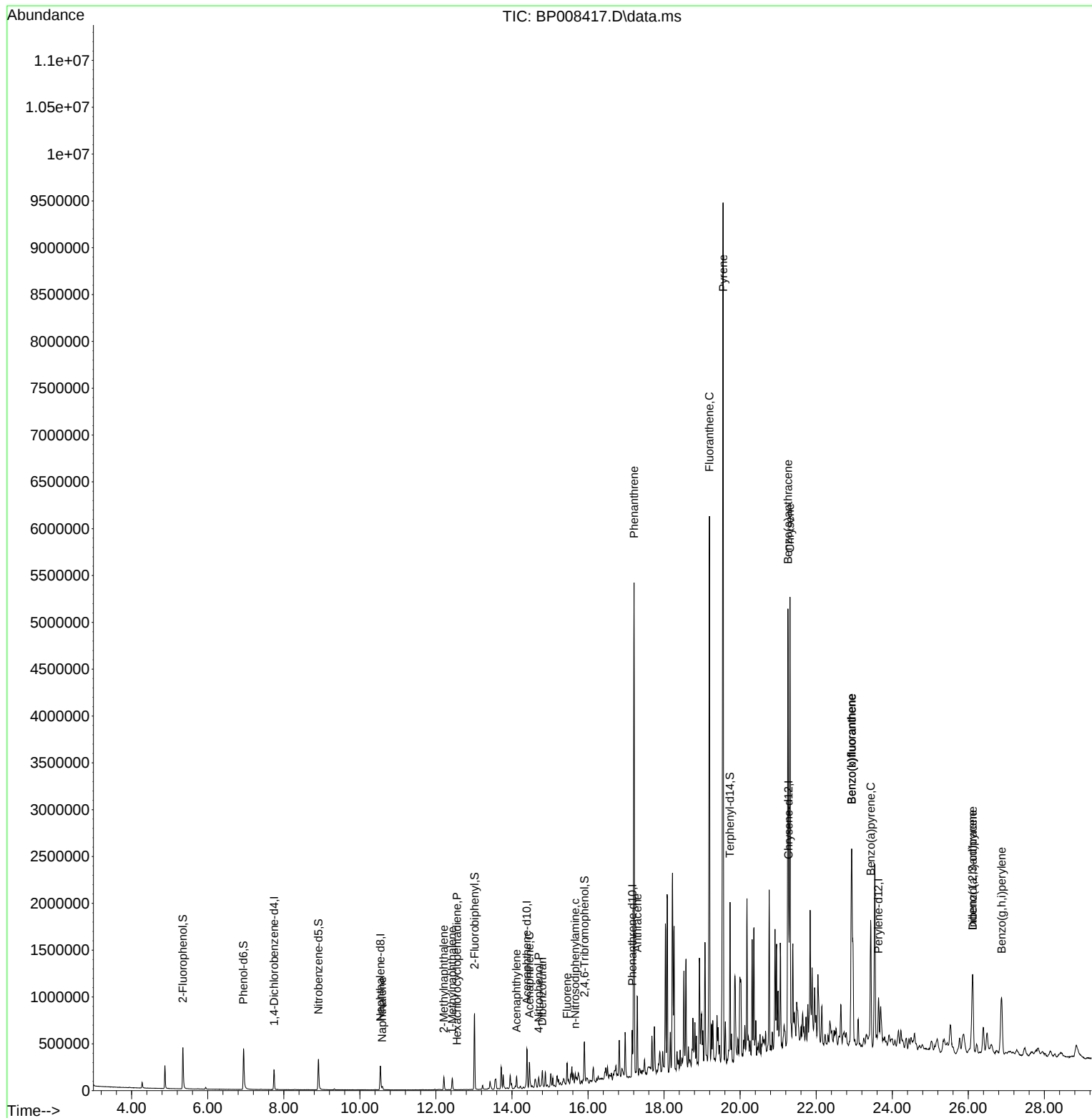
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	57283	20.000	ng	0.00
21) Naphthalene-d8	10.540	136	203572	20.000	ng	0.00
39) Acenaphthene-d10	14.393	164	137597	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	293320	20.000	ng	# 0.00
76) Chrysene-d12	21.275	240	334439	20.000	ng	0.00
86) Perylene-d12	23.639	264	379059	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	194075	53.505	ng	0.00
7) Phenol-d6	6.940	99	288538	59.228	ng	0.00
23) Nitrobenzene-d5	8.911	82	214988	44.741	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	79855	39.491	ng	0.00
45) 2-Fluorobiphenyl	13.016	172	415663	38.401	ng	0.00
79) Terphenyl-d14	19.733	244	704293	36.651	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.234	88	79	Below Cal	#	1
9) Benzaldehyde	6.858	77	62	Below Cal	#	39
31) Naphthalene	10.587	128	27307	2.558	ng	99
37) 2-Methylnaphthalene	12.210	142	62354	8.475	ng	96
38) 1-Methylnaphthalene	12.428	142	54259	7.575	ng	99
41) Hexachlorocyclopentadiene	12.551	237	17	8.662	ng	77
49) Acenaphthylene	14.122	152	44576	3.576	ng	# 90
52) Acenaphthene	14.457	154	93329	12.588	ng	97
55) Dibenzofuran	14.798	168	28989	2.298	ng	# 68
56) 4-Nitrophenol	14.704	139	2543	2.138	ng	# 30
58) Fluorene	15.451	166	92150	9.424	ng	# 99
66) n-Nitrosodiphenylamine	15.663	169	19162	2.075	ng	# 80
71) Phenanthrene	17.210	178	3295450	207.405	ng	100
72) Anthracene	17.298	178	533700	34.045	ng	99
75) Fluoranthene	19.192	202	3401232	189.604	ng	98
78) Pyrene	19.551	202	6188058	258.613	ng	98
81) Benzo(a)anthracene	21.257	228	2600345	116.018	ng	99
83) Chrysene	21.310	228	2366733	110.547	ng	99
87) Indeno(1,2,3-cd)pyrene	26.110	276	839115	28.122	ng	# 94
88) Benzo(b)fluoranthene	22.933	252	2442752	107.128	ng	99
89) Benzo(k)fluoranthene	22.933	252	2442752	106.231	ng	98
90) Benzo(a)pyrene	23.433	252	1038750	52.486	ng	100
91) Dibenzo(a,h)anthracene	26.115	278	339285	13.583	ng	98
92) Benzo(g,h,i)perylene	26.874	276	844757	34.153	ng	95

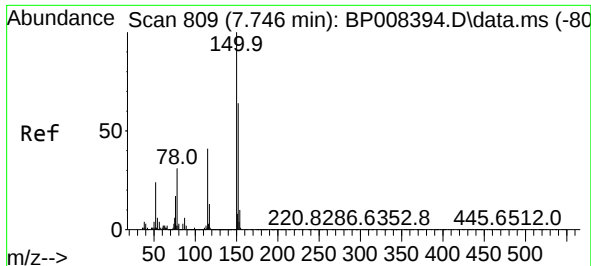
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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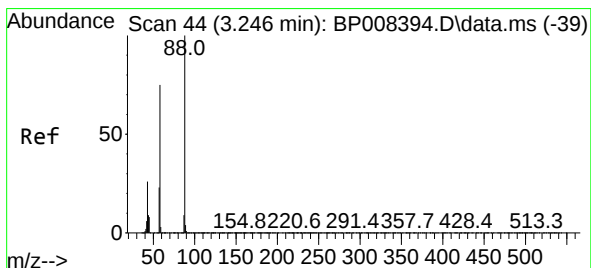
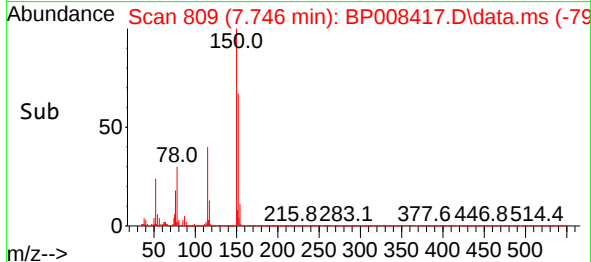
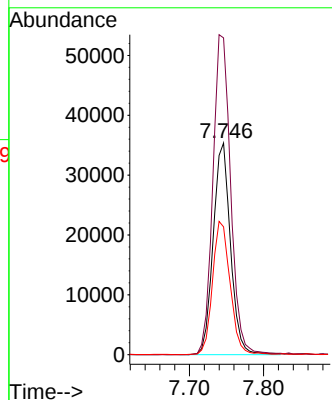
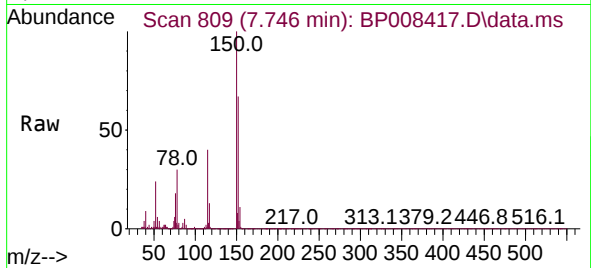




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.746 min Scan# 809
 Delta R.T. -0.000 min
 Lab File: BP008417.D
 Acq: 15 Dec 2021 15:15

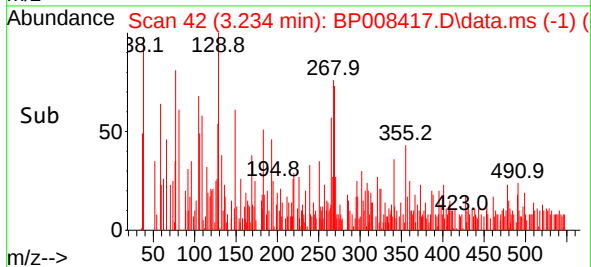
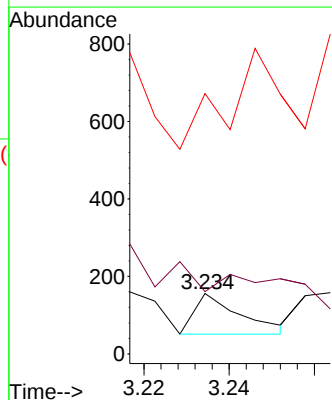
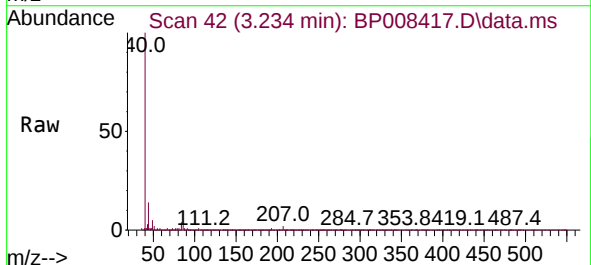
Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-C

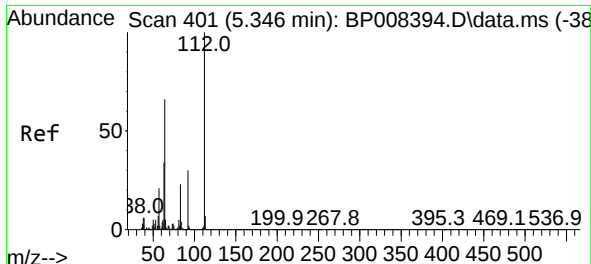
Tgt Ion:152 Resp: 57283
 Ion Ratio Lower Upper
 152 100
 150 149.6 125.7 188.5
 115 60.4 50.7 76.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.234 min Scan# 42
 Delta R.T. -0.012 min
 Lab File: BP008417.D
 Acq: 15 Dec 2021 15:15

Tgt Ion: 88 Resp: 79
 Ion Ratio Lower Upper
 88 100
 58 0.0 63.5 95.3#
 43 291.1 23.4 35.2#

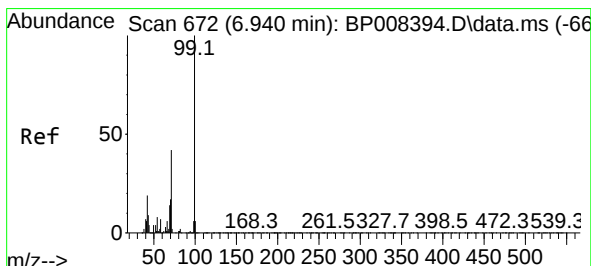
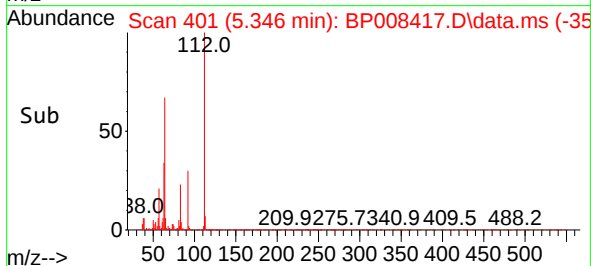
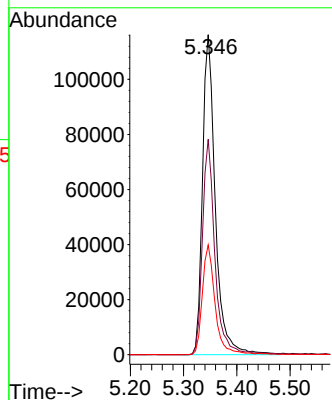
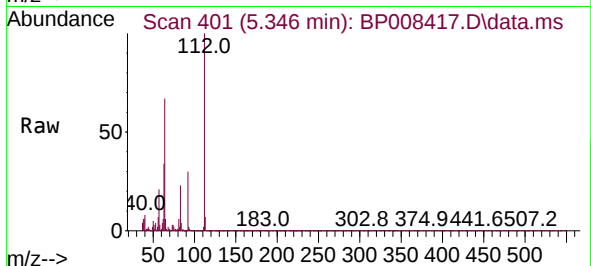




#5
2-Fluorophenol
Concen: 53.505 ng
RT: 5.346 min Scan# 401
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

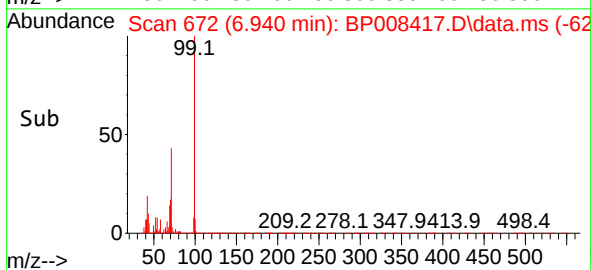
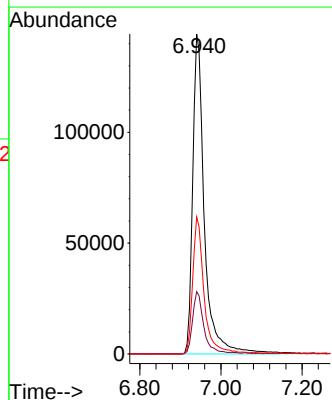
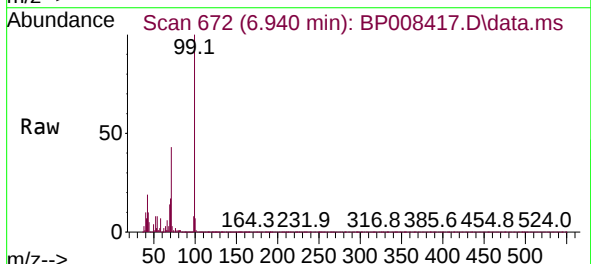
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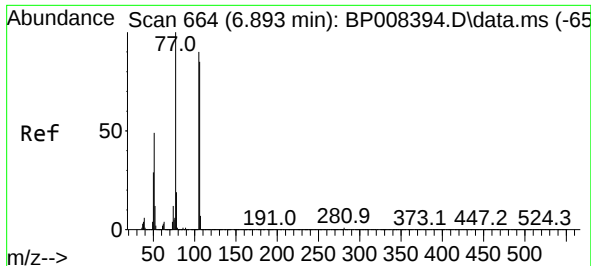
Tgt Ion: 112 Resp: 194075
Ion Ratio Lower Upper
112 100
64 67.3 53.4 80.2
63 34.3 27.8 41.8



#7
Phenol-d6
Concen: 59.228 ng
RT: 6.940 min Scan# 672
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion: 99 Resp: 288538
Ion Ratio Lower Upper
99 100
42 19.5 14.6 22.0
71 42.9 31.1 46.7

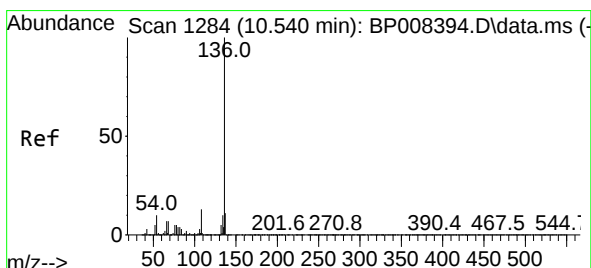
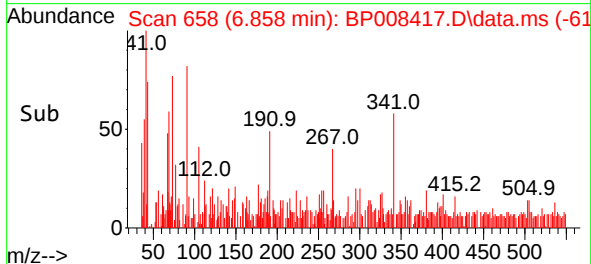
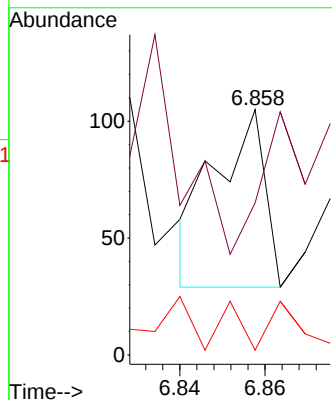
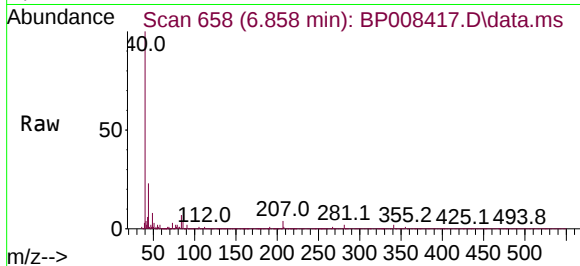




#9
Benzaldehyde
Concen: Below Cal
RT: 6.858 min Scan# 61
Delta R.T. -0.035 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

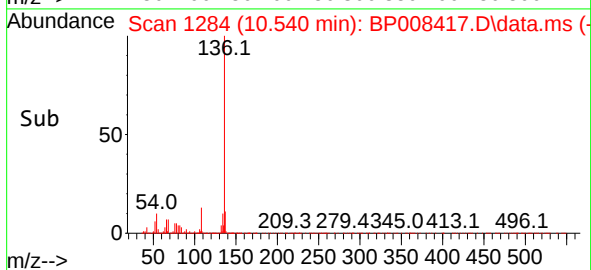
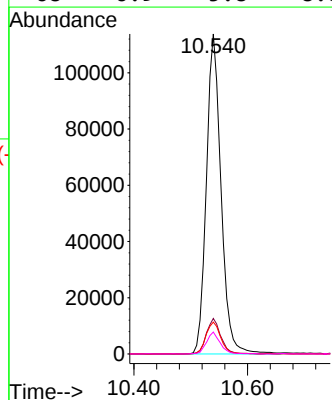
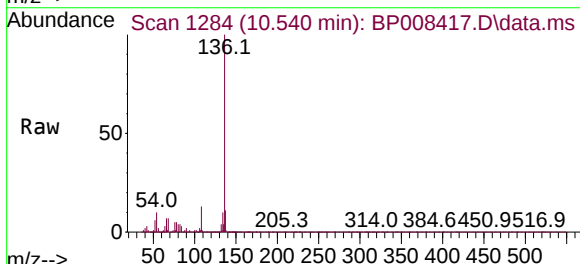
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C

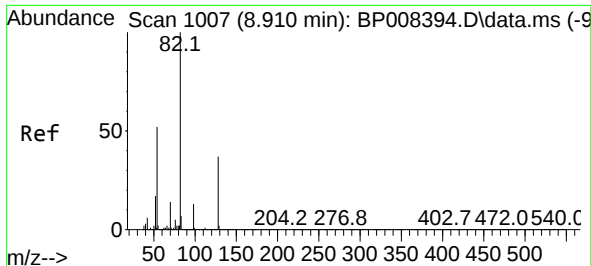
Tgt Ion: 77 Resp: 62
Ion Ratio Lower Upper
77 100
105 61.9 71.8 111.8#
106 1.9 67.3 107.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion: 136 Resp: 203572
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 10.0 8.2 12.4
68 6.9 5.8 8.8

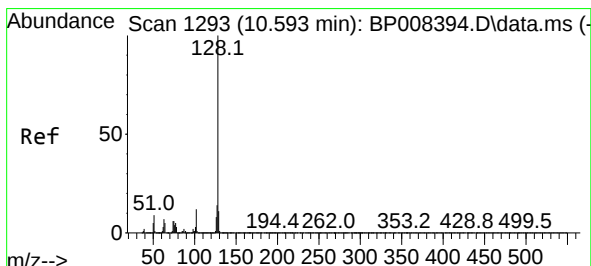
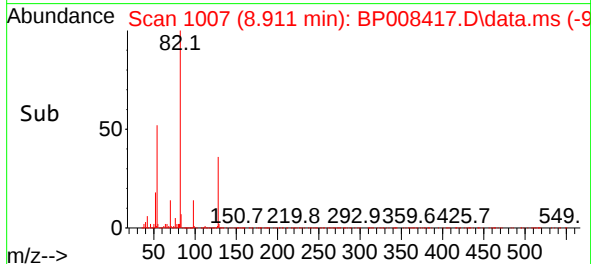
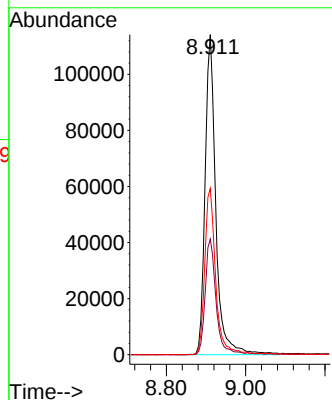
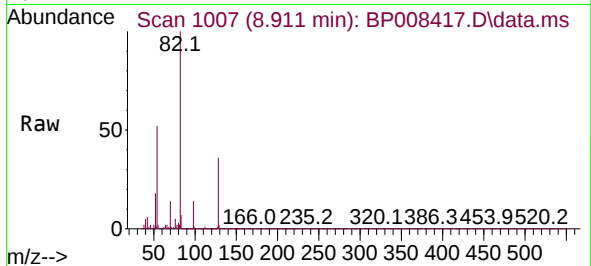




#23
Nitrobenzene-d5
Concen: 44.741 ng
RT: 8.911 min Scan# 1007
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

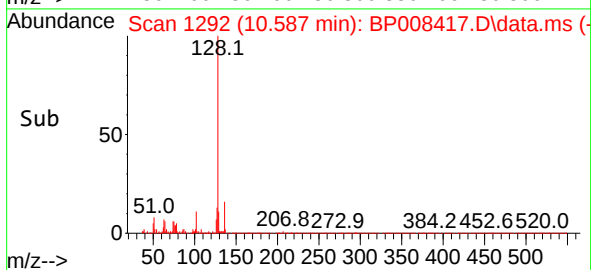
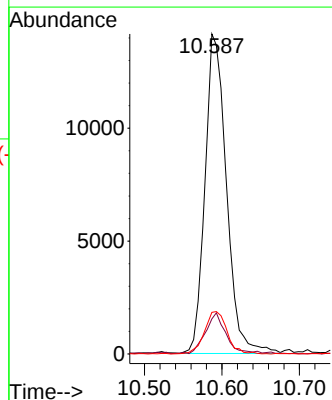
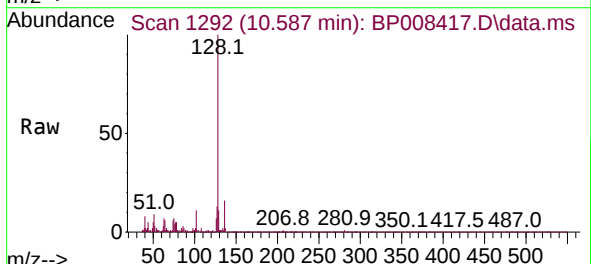
Instrument :
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ClientSampleId :
SB-9-SB-22-C

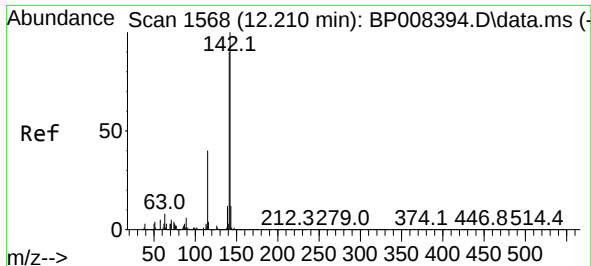
Tgt Ion: 82 Resp: 214988
Ion Ratio Lower Upper
82 100
128 36.2 29.6 44.4
54 51.9 42.7 64.1



#31
Naphthalene
Concen: 2.558 ng
RT: 10.587 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion: 128 Resp: 27307
Ion Ratio Lower Upper
128 100
129 10.9 8.5 12.7
127 13.0 10.9 16.3

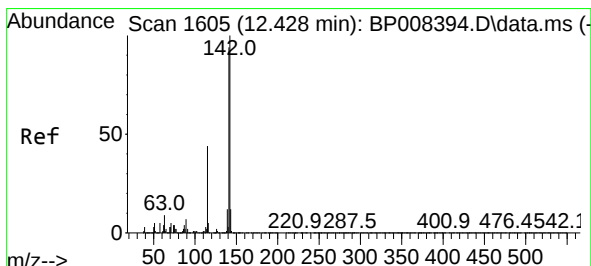
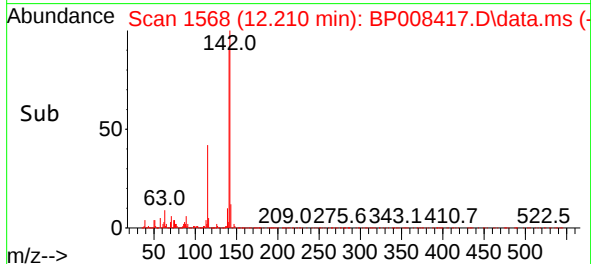
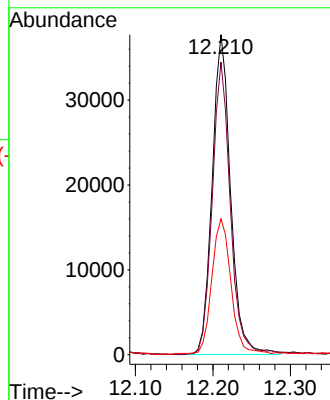
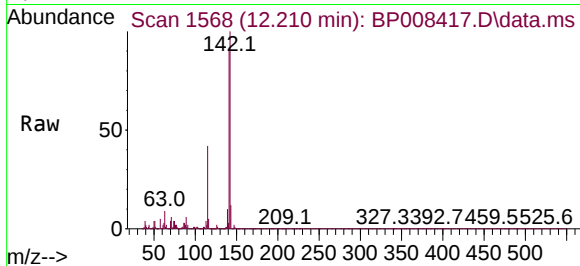




#37
2-Methylnaphthalene
Concen: 8.475 ng
RT: 12.210 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

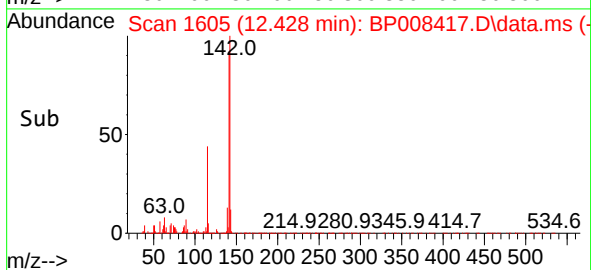
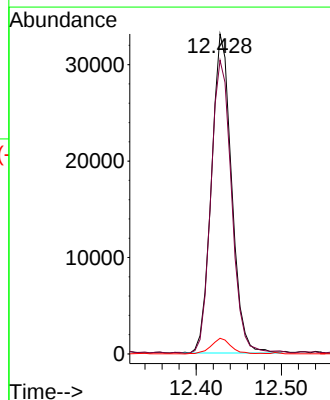
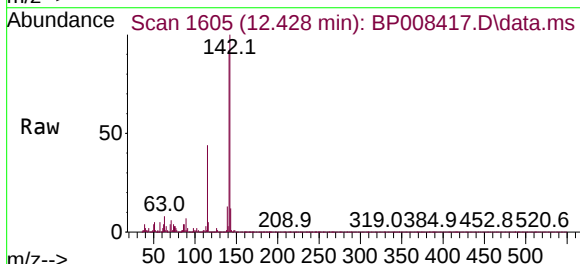
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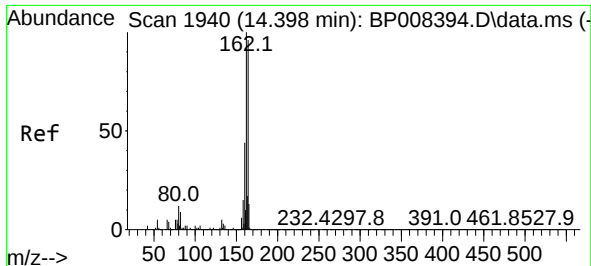
Tgt Ion:142 Resp: 62354
Ion Ratio Lower Upper
142 100
141 91.5 70.7 106.1
115 42.4 30.9 46.3



#38
1-Methylnaphthalene
Concen: 7.575 ng
RT: 12.428 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:142 Resp: 54259
Ion Ratio Lower Upper
142 100
141 91.8 74.2 111.4
116 4.9 3.4 5.2

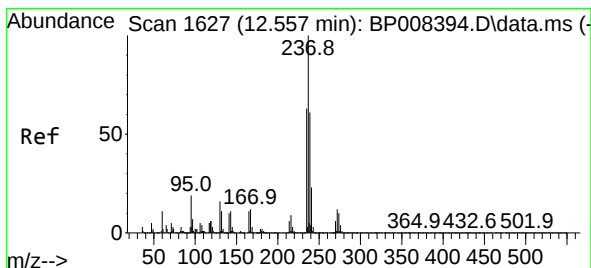
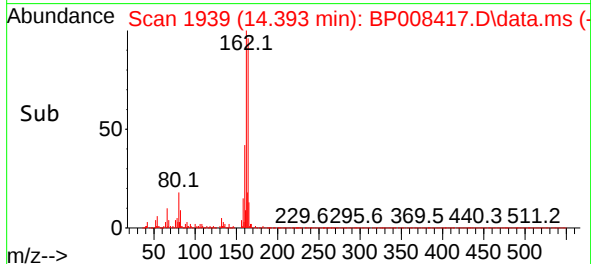
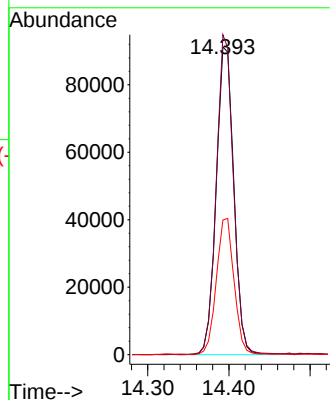
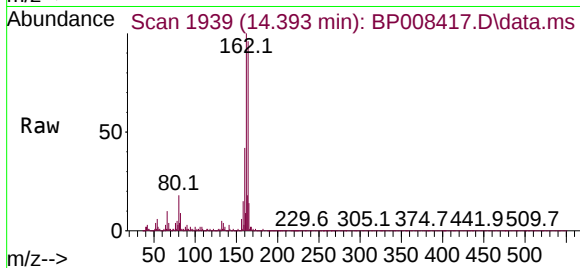




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.393 min Scan# 1939
Delta R.T. -0.005 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

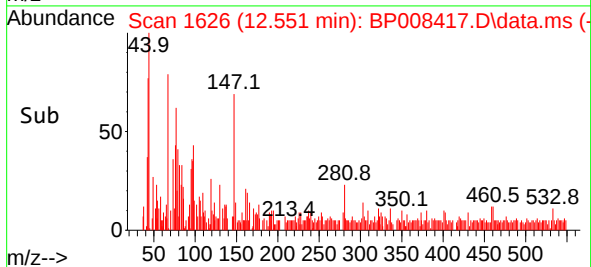
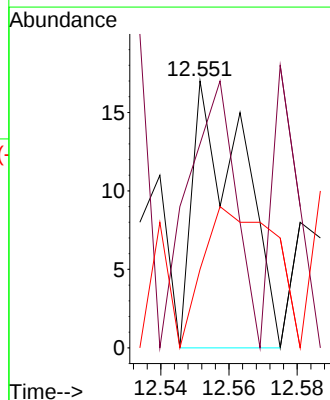
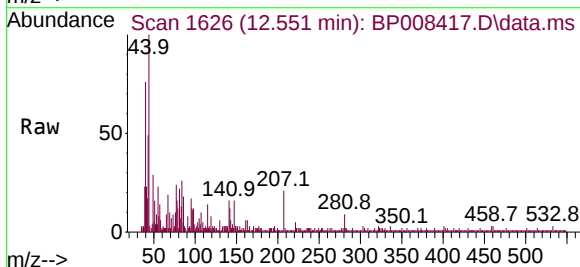
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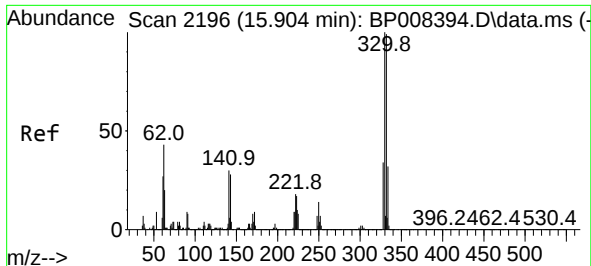
Tgt Ion:164 Resp: 137597
Ion Ratio Lower Upper
164 100
162 104.0 81.9 122.9
160 43.8 35.4 53.0



#41
Hexachlorocyclopentadiene
Concen: 8.662 ng
RT: 12.551 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:237 Resp: 17
Ion Ratio Lower Upper
237 100
235 76.5 42.3 82.3
272 29.4 0.0 32.2

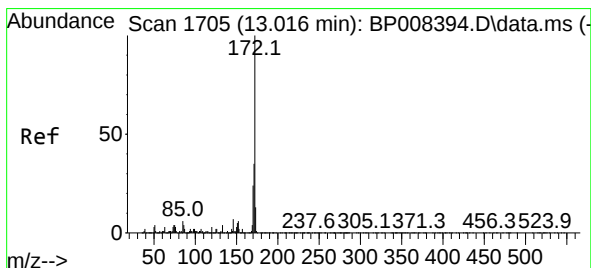
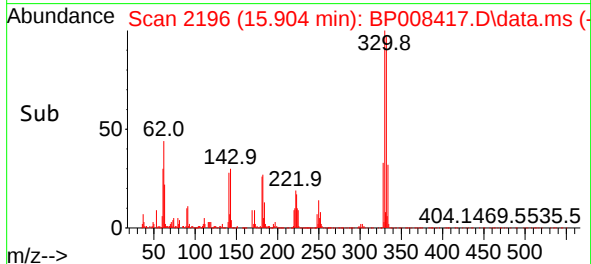
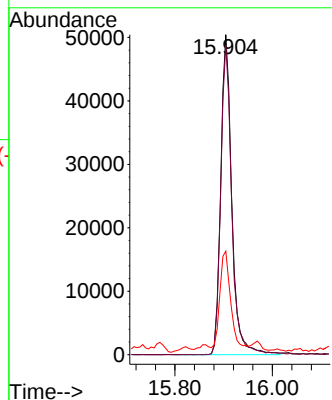
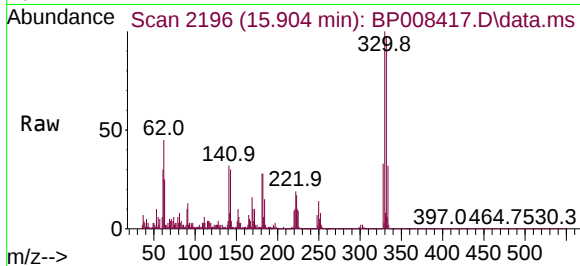




#42
2,4,6-Tribromophenol
Concen: 39.491 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

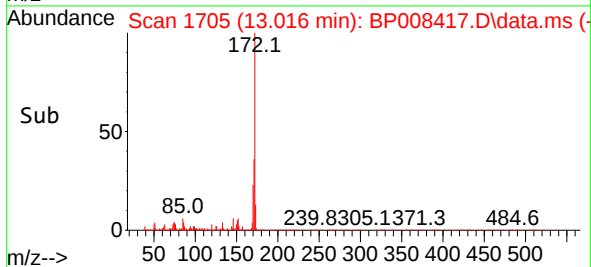
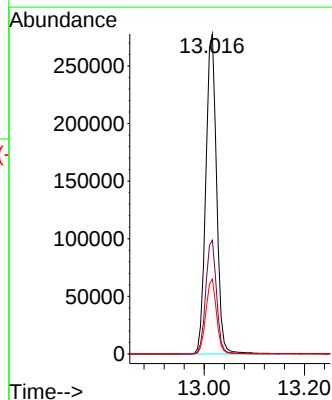
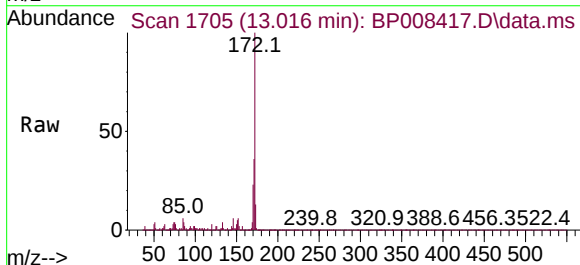
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BNA_P
ClientSampleId :
SB-9-SB-22-C

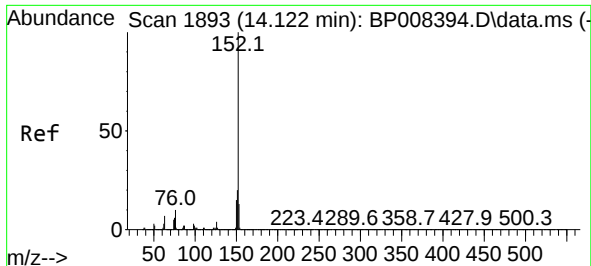
Tgt Ion:	330	Resp:	79855
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.0	115.4
141	31.2	28.4	42.6



#45
2-Fluorobiphenyl
Concen: 38.401 ng
RT: 13.016 min Scan# 1705
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:	172	Resp:	415663
Ion Ratio	Lower	Upper	
172	100		
171	35.6	28.0	42.0
170	23.4	18.9	28.3

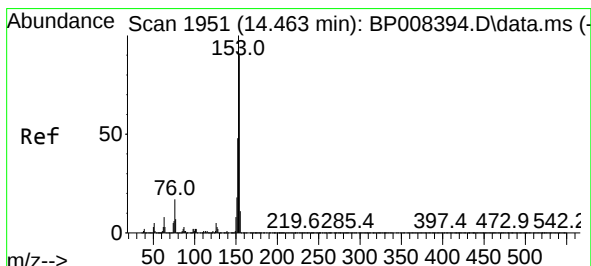
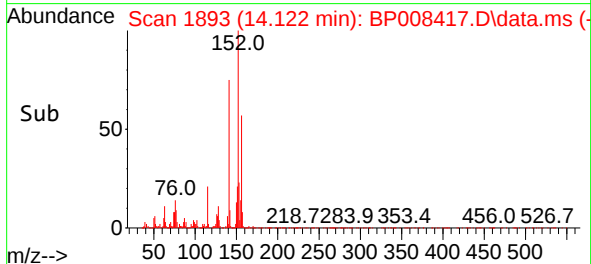
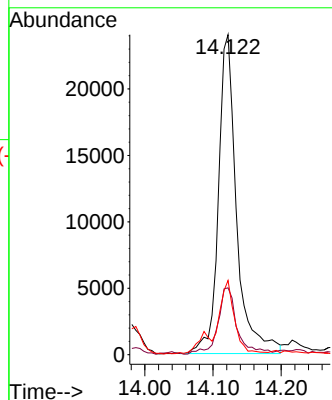
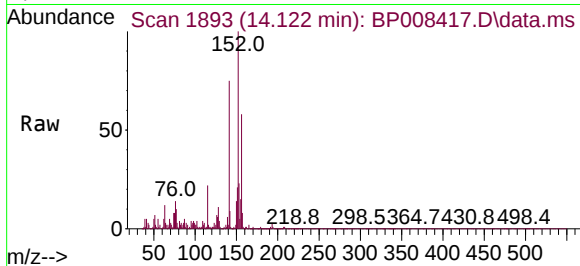




#49
Acenaphthylene
Concen: 3.576 ng
RT: 14.122 min Scan# 1893
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

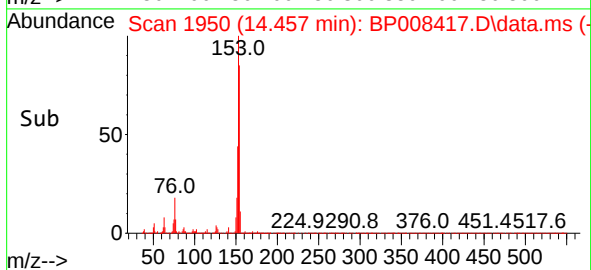
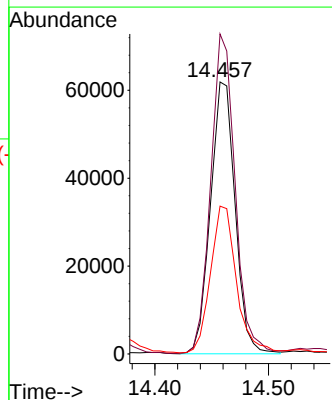
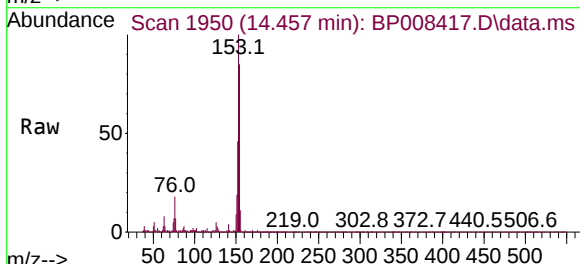
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C

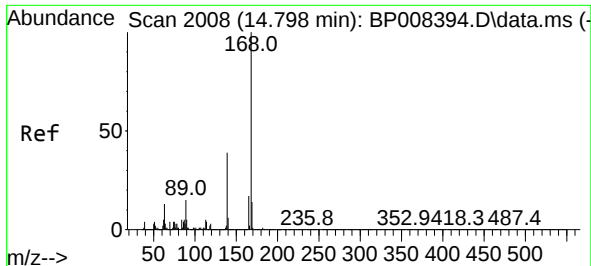
Tgt Ion:152 Resp: 44576
Ion Ratio Lower Upper
152 100
151 20.9 16.2 24.4
153 23.2 10.9 16.3#



#52
Acenaphthene
Concen: 12.588 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:154 Resp: 93329
Ion Ratio Lower Upper
154 100
153 117.7 90.3 135.5
152 54.4 43.3 64.9

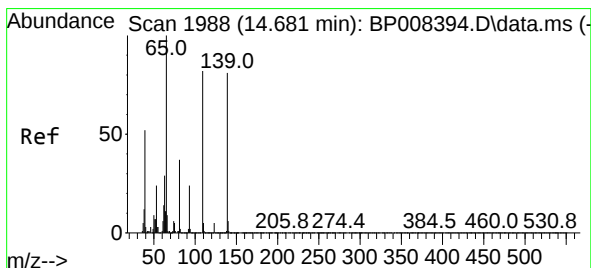
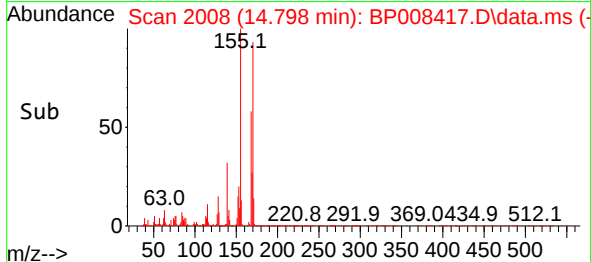
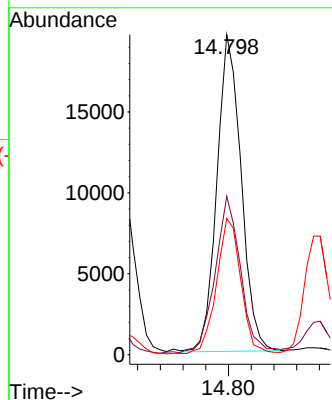
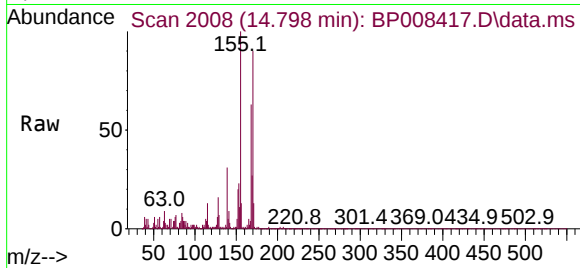




#55
Dibenzenofuran
Concen: 2.298 ng
RT: 14.798 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

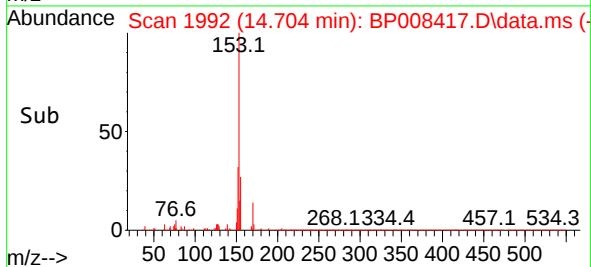
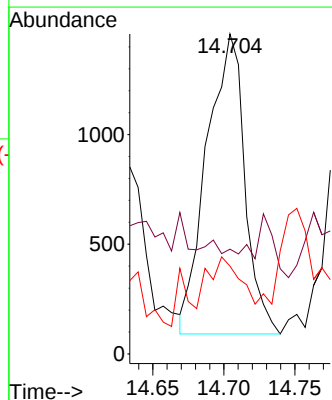
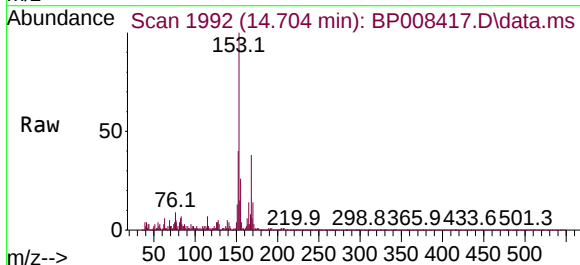
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C

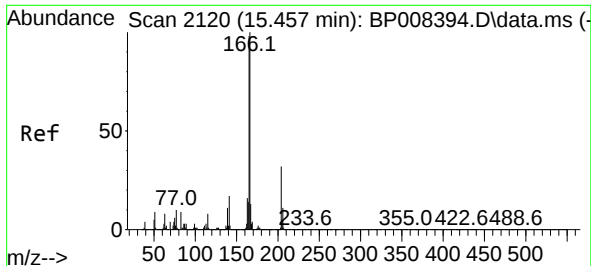
Tgt Ion:168 Resp: 28989
Ion Ratio Lower Upper
168 100
139 49.5 30.6 46.0#
169 42.5 11.0 16.4#



#56
4-Nitrophenol
Concen: 2.138 ng
RT: 14.704 min Scan# 1992
Delta R.T. 0.024 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:139 Resp: 2543
Ion Ratio Lower Upper
139 100
109 32.8 65.9 105.9#
65 27.4 91.9 131.9#

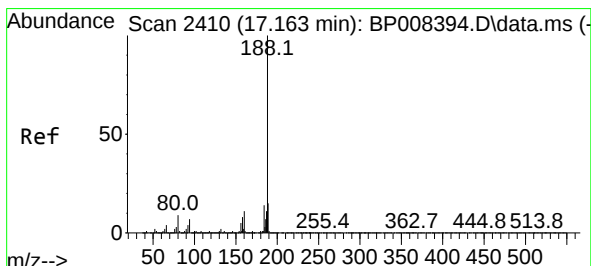
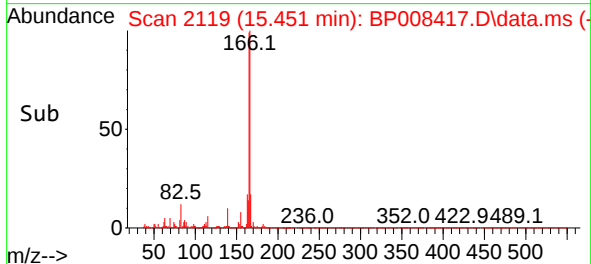
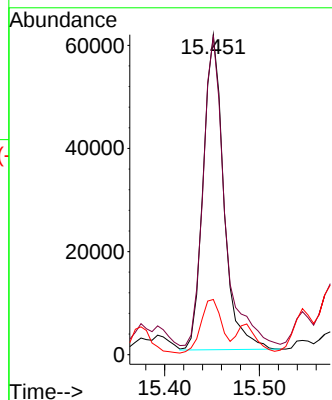
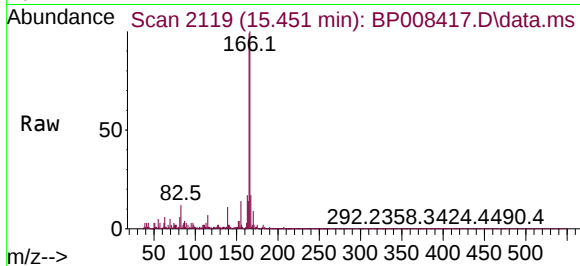




#58
Fluorene
Concen: 9.424 ng
RT: 15.451 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

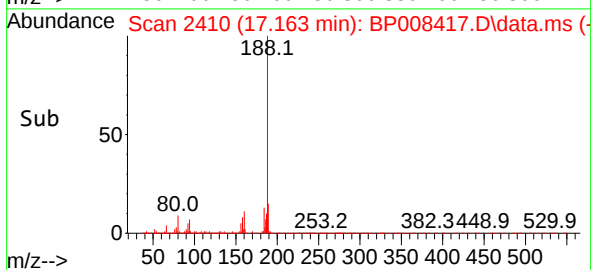
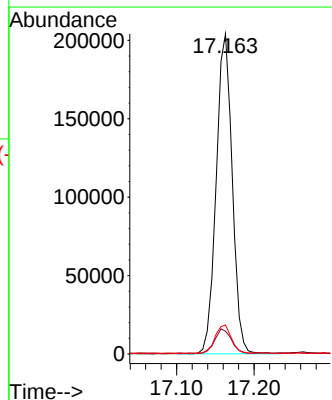
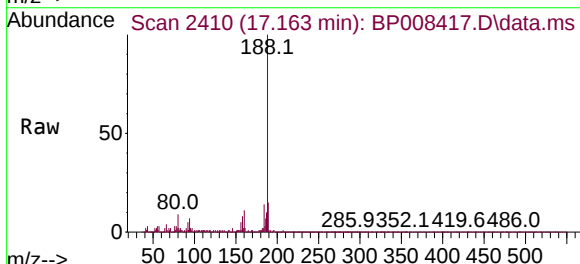
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C

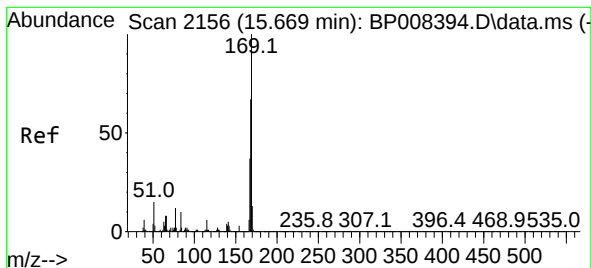
Tgt Ion:166 Resp: 92150
Ion Ratio Lower Upper
166 100
165 99.3 79.4 119.2
167 17.2 10.9 16.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:188 Resp: 293320
Ion Ratio Lower Upper
188 100
94 7.1 7.2 10.8#
80 9.0 8.2 12.4

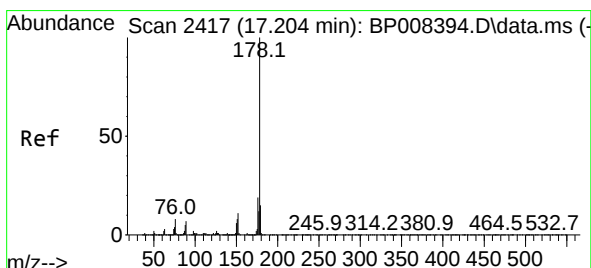
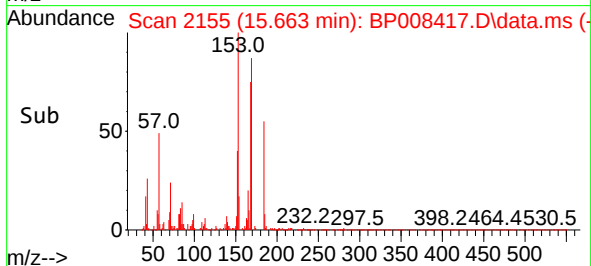
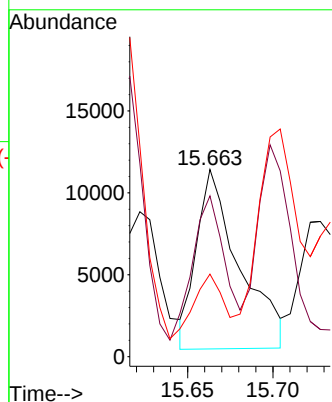
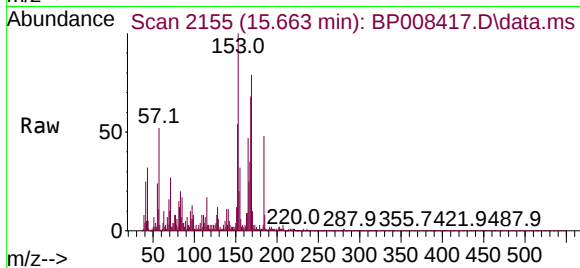




#66
n-Nitrosodiphenylamine
Concen: 2.075 ng
RT: 15.663 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

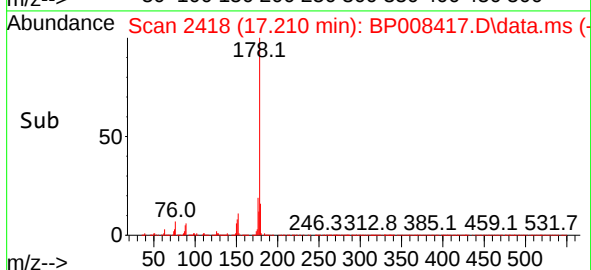
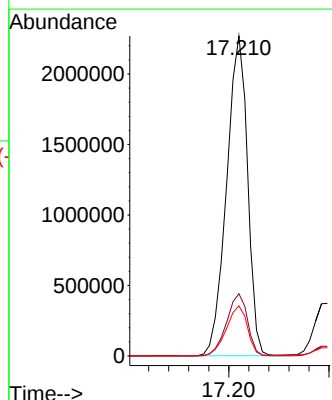
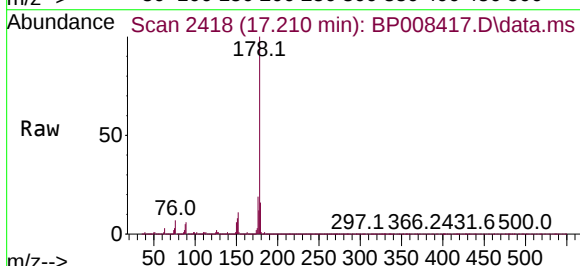
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C

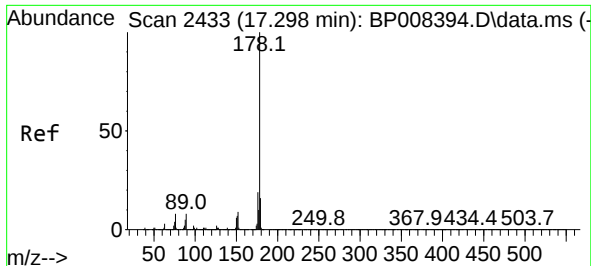
Tgt Ion:169 Resp: 19162
Ion Ratio Lower Upper
169 100
168 86.0 53.5 80.3#
167 44.1 29.3 43.9#



#71
Phenanthrene
Concen: 207.405 ng
RT: 17.210 min Scan# 2418
Delta R.T. 0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:178 Resp: 3295450
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.6 12.5 18.7

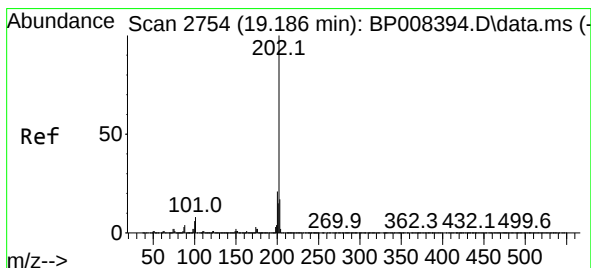
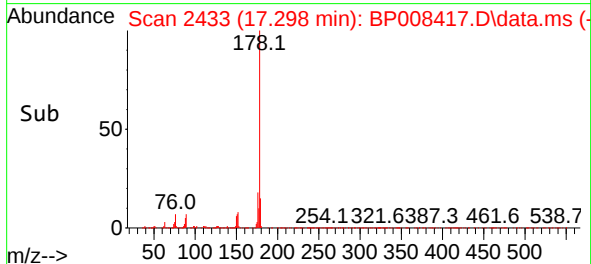
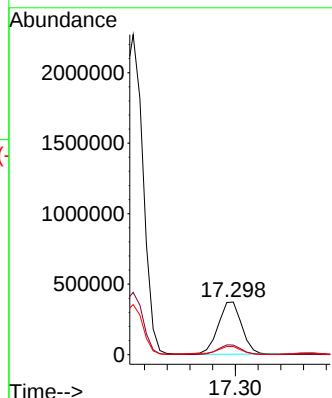
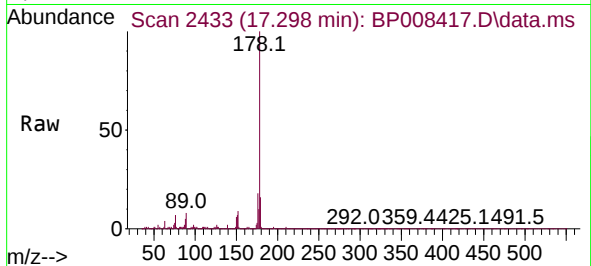




#72
 Anthracene
 Concen: 34.045 ng
 RT: 17.298 min Scan# 2433
 Delta R.T. 0.000 min
 Lab File: BP008417.D
 Acq: 15 Dec 2021 15:15

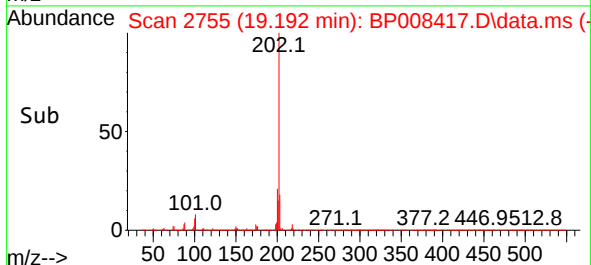
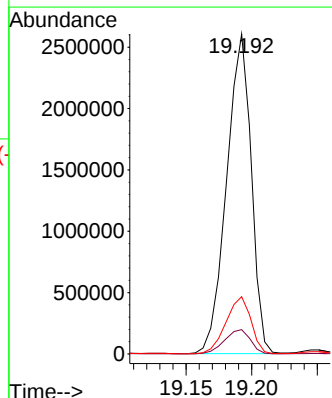
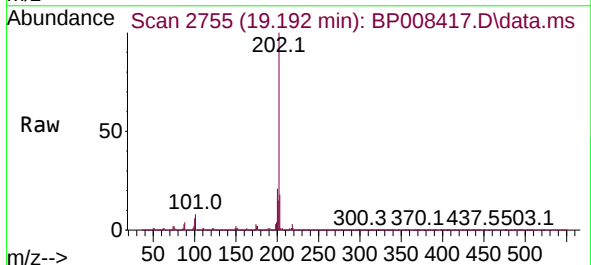
Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-C

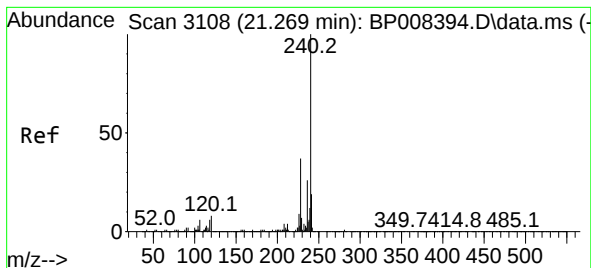
Tgt Ion:178 Resp: 533700
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.1 22.7
 179 15.6 12.3 18.5



#75
 Fluoranthene
 Concen: 189.604 ng
 RT: 19.192 min Scan# 2755
 Delta R.T. 0.006 min
 Lab File: BP008417.D
 Acq: 15 Dec 2021 15:15

Tgt Ion:202 Resp: 3401232
 Ion Ratio Lower Upper
 202 100
 101 7.6 0.0 29.8
 203 17.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.275 min Scan# 3108

Delta R.T. 0.006 min

Lab File: BP008417.D

Acq: 15 Dec 2021 15:15

Instrument :

BNA_P

ClientSampleId :

SB-9-SB-22-C

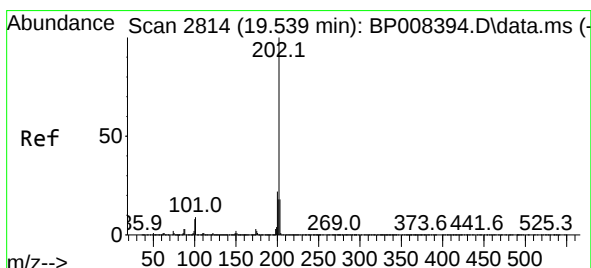
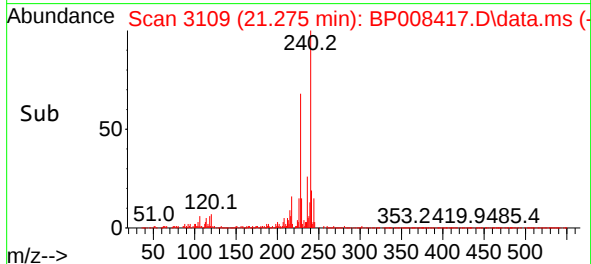
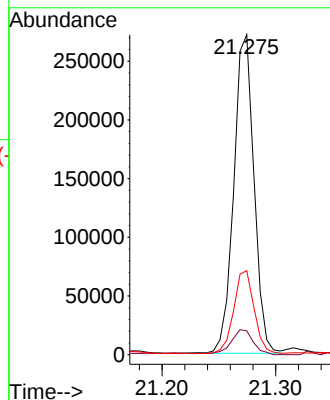
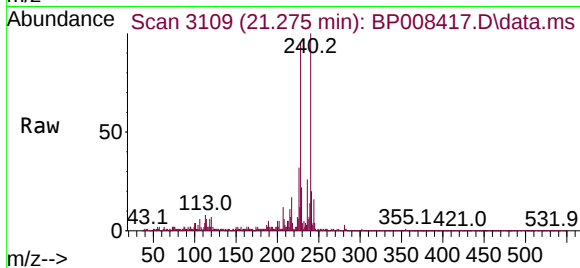
Tgt Ion:240 Resp: 334439

Ion Ratio Lower Upper

240 100

120 7.4 7.3 10.9

236 26.3 21.4 32.2



#78

Pyrene

Concen: 258.613 ng

RT: 19.551 min Scan# 2816

Delta R.T. 0.012 min

Lab File: BP008417.D

Acq: 15 Dec 2021 15:15

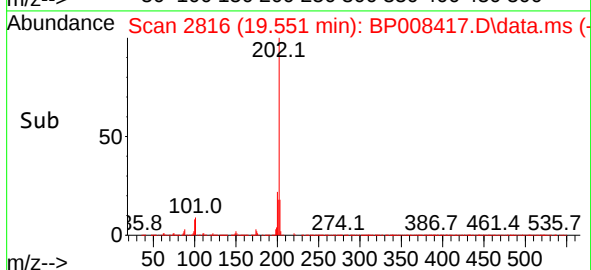
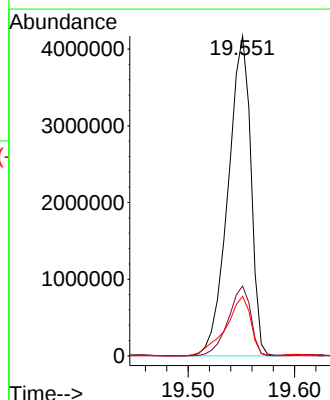
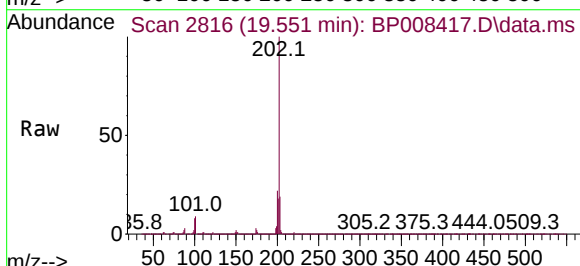
Tgt Ion:202 Resp: 6188058

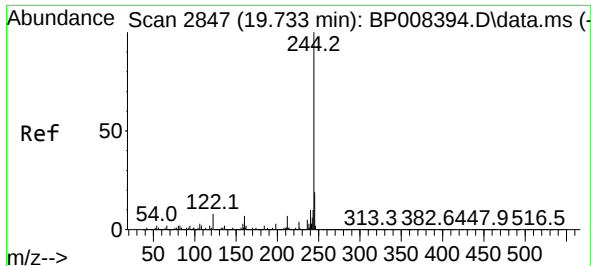
Ion Ratio Lower Upper

202 100

200 21.9 17.1 25.7

203 18.7 14.2 21.2

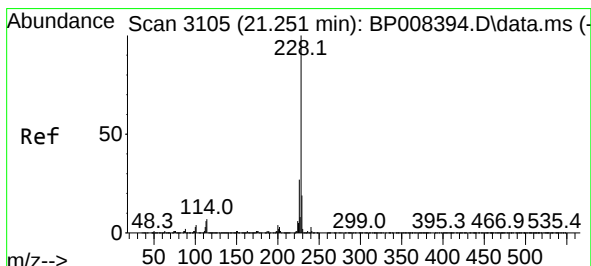
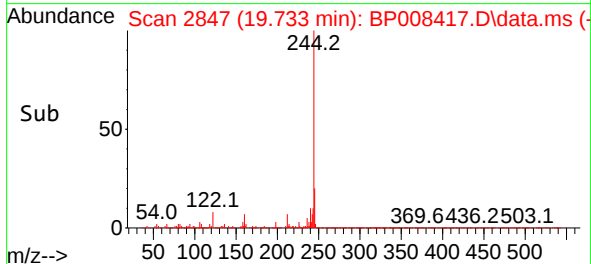
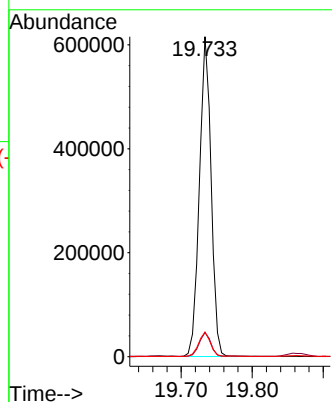
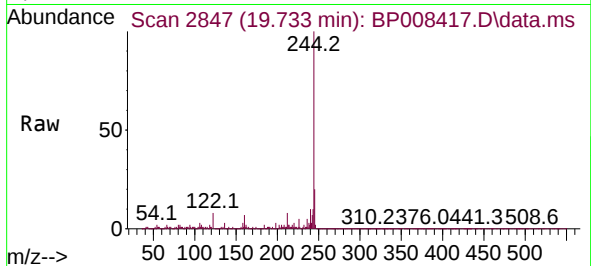




#79
 Terphenyl-d14
 Concen: 36.651 ng
 RT: 19.733 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP008417.D
 Acq: 15 Dec 2021 15:15

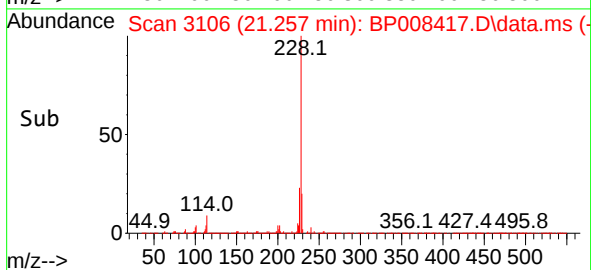
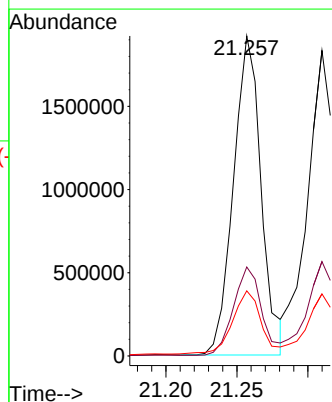
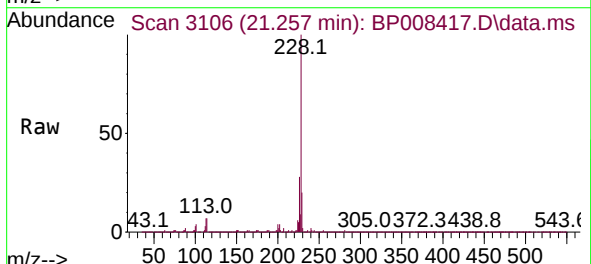
Instrument :
 BNA_P
 ClientSampleId :
 SB-9-SB-22-C

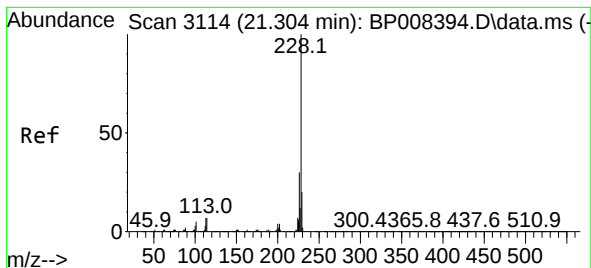
Tgt Ion:244 Resp: 704293
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.0 9.0
 122 7.7 6.6 9.8



#81
 Benzo(a)anthracene
 Concen: 116.018 ng
 RT: 21.257 min Scan# 3106
 Delta R.T. 0.006 min
 Lab File: BP008417.D
 Acq: 15 Dec 2021 15:15

Tgt Ion:228 Resp: 2600345
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.9 32.9
 229 20.4 15.9 23.9





#83

Chrysene

Concen: 110.547 ng

RT: 21.310 min Scan# 3115

Delta R.T. 0.006 min

Lab File: BP008417.D

Acq: 15 Dec 2021 15:15

Instrument :

BNA_P

ClientSampleId :

SB-9-SB-22-C

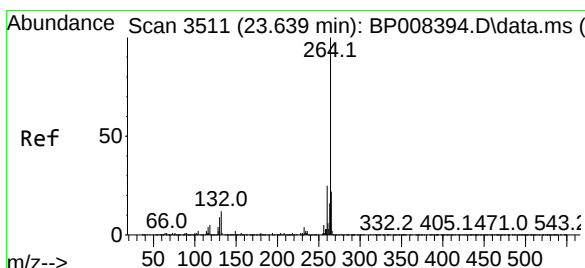
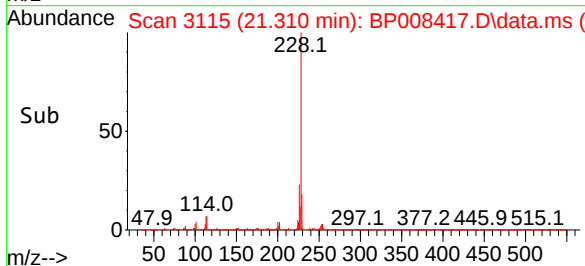
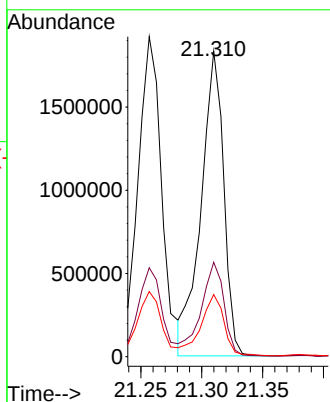
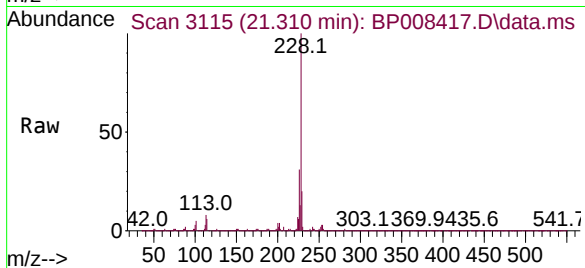
Tgt Ion:228 Resp: 2366733

Ion Ratio Lower Upper

228 100

226 30.9 24.0 36.0

229 20.3 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.639 min Scan# 3511

Delta R.T. 0.000 min

Lab File: BP008417.D

Acq: 15 Dec 2021 15:15

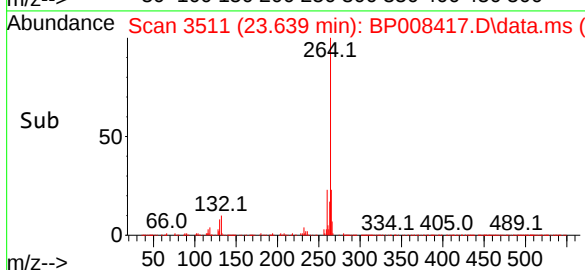
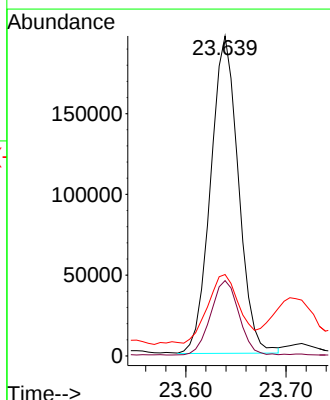
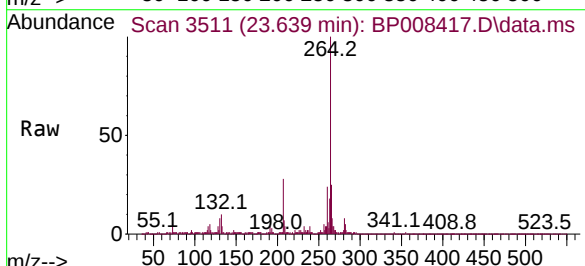
Tgt Ion:264 Resp: 379059

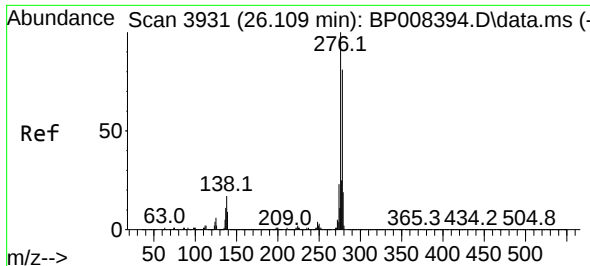
Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 25.5 17.6 26.4

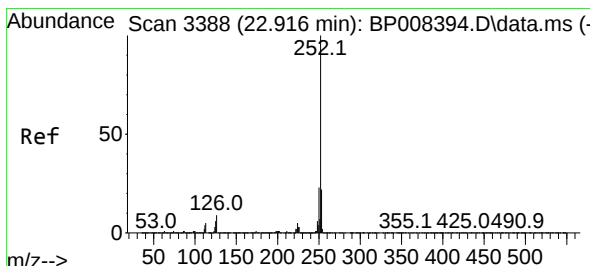
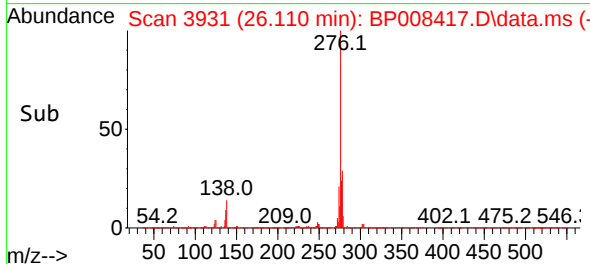
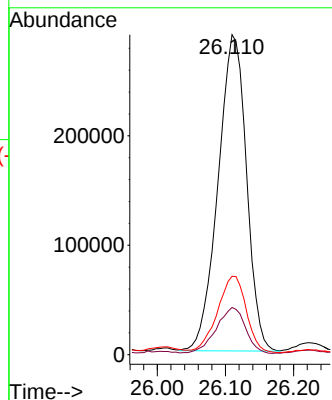
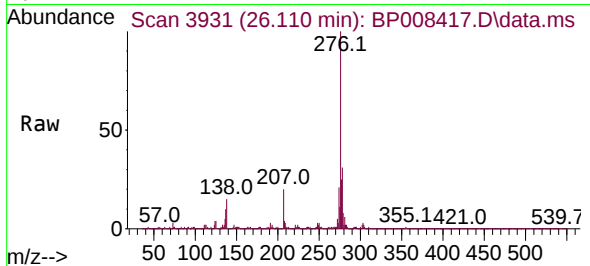




#87
Indeno(1,2,3-cd)pyrene
Concen: 28.122 ng
RT: 26.110 min Scan# 3931
Delta R.T. 0.000 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

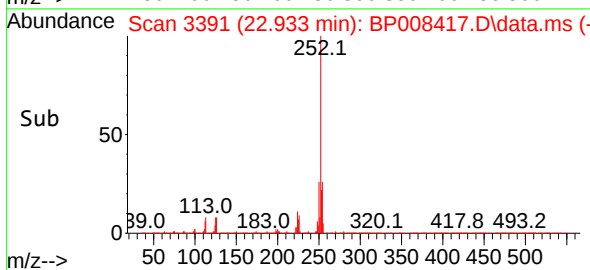
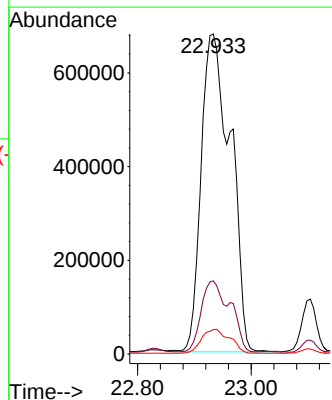
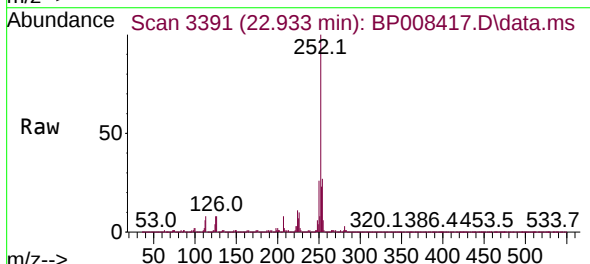
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C

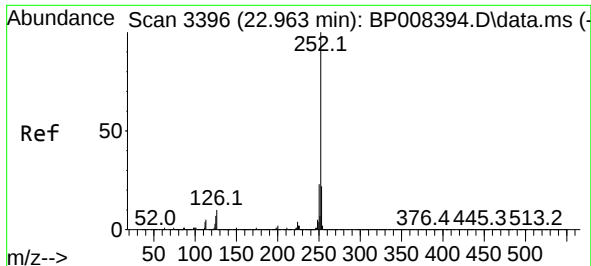
Tgt Ion:276 Resp: 839115
Ion Ratio Lower Upper
276 100
138 15.0 16.6 25.0#
277 24.5 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 107.128 ng
RT: 22.933 min Scan# 3391
Delta R.T. 0.018 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:252 Resp: 2442752
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 7.7 6.2 9.4

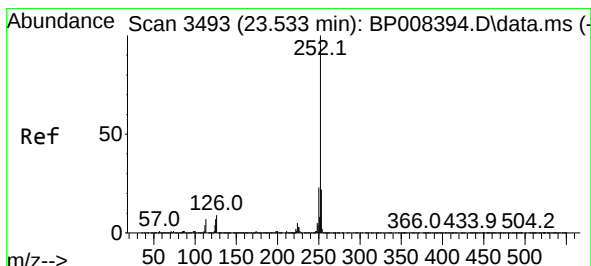
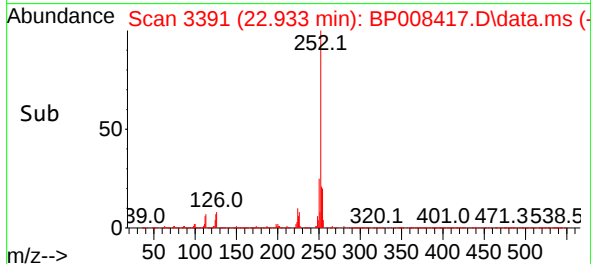
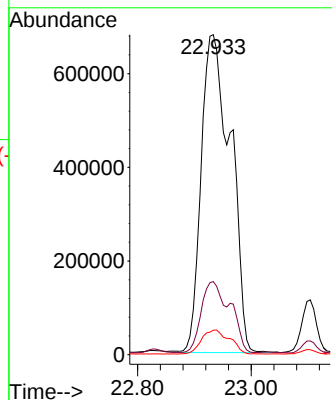
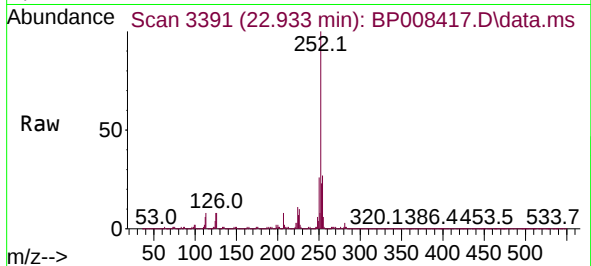




#89
Benzo(k)fluoranthene
Concen: 106.231 ng
RT: 22.933 min Scan# 31
Delta R.T. -0.029 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

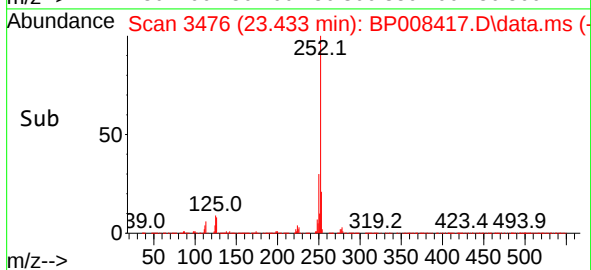
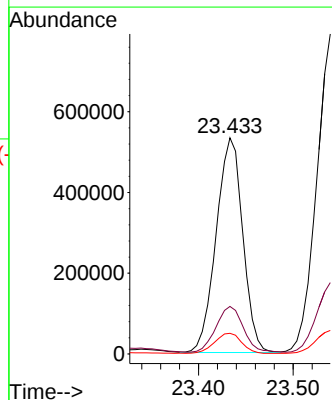
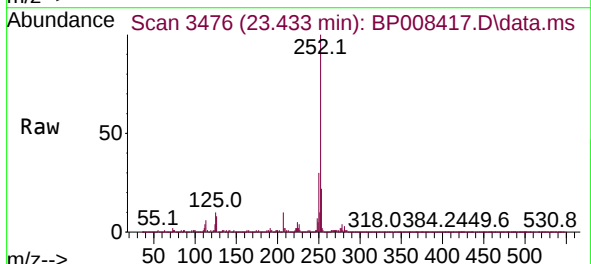
Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C

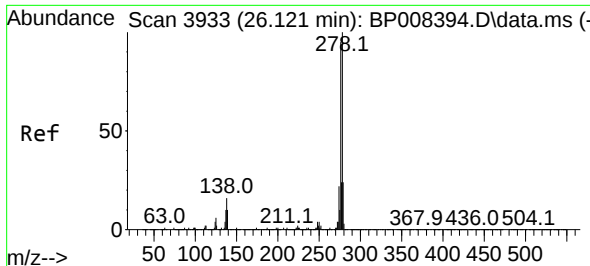
Tgt Ion:252 Resp: 2442752
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 7.7 6.5 9.7



#90
Benzo(a)pyrene
Concen: 52.486 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.100 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:252 Resp: 1038750
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 9.5 7.4 11.0

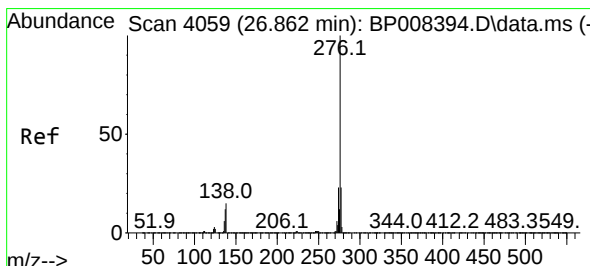
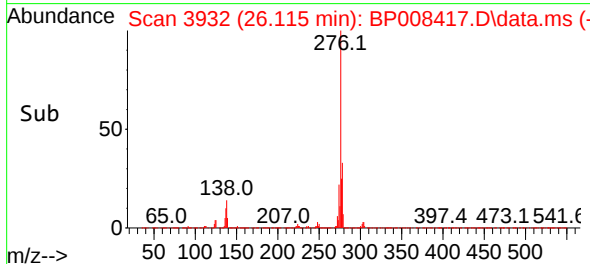
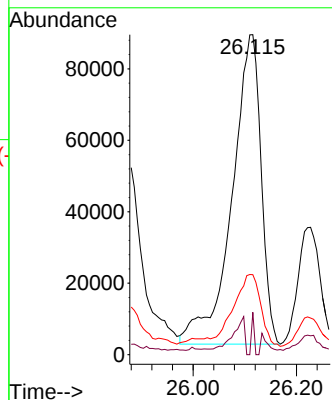
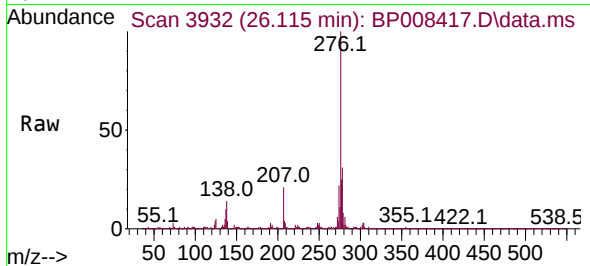




#91
Dibenzo(a,h)anthracene
Concen: 13.583 ng
RT: 26.115 min Scan# 3933
Delta R.T. -0.006 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Instrument :
BNA_P
ClientSampleId :
SB-9-SB-22-C

Tgt Ion:278 Resp: 339285
Ion Ratio Lower Upper
278 100
139 13.2 10.8 16.2
279 25.0 19.1 28.7



#92
Benzo(g,h,i)perylene
Concen: 34.153 ng
RT: 26.874 min Scan# 4061
Delta R.T. 0.012 min
Lab File: BP008417.D
Acq: 15 Dec 2021 15:15

Tgt Ion:276 Resp: 844757
Ion Ratio Lower Upper
276 100
277 23.6 20.0 30.0
138 14.5 14.1 21.1

