

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110321\
 Data File : BP007830.D
 Acq On : 03 Nov 2021 19:19
 Operator : CG/JU
 Sample : M4409-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Nov 04 07:31:06 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 02 19:18:55 2021
 Response via : Initial Calibration

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

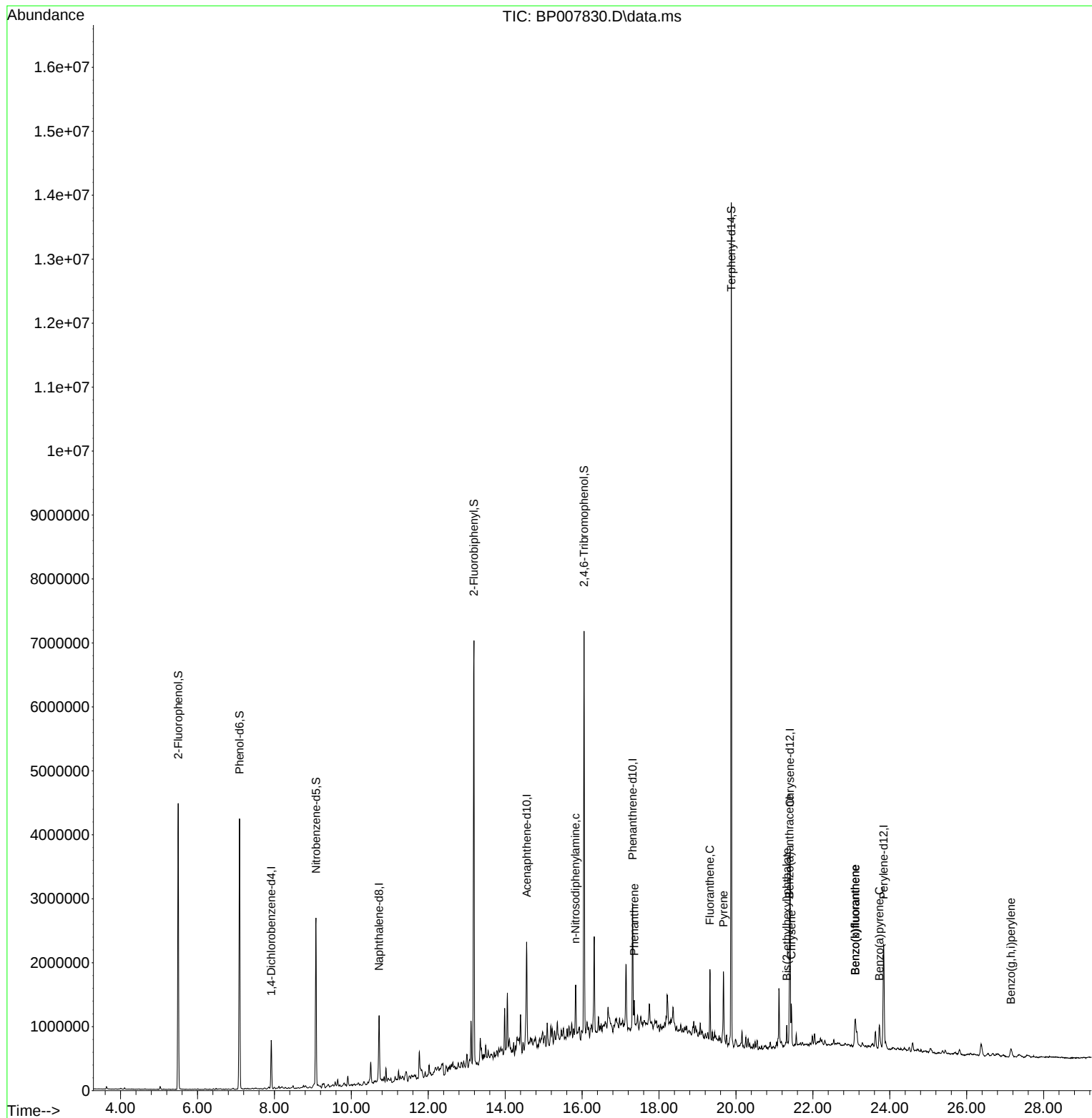
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.916	152	199009	20.000	ng	0.00
21) Naphthalene-d8	10.722	136	809309	20.000	ng	0.00
39) Acenaphthene-d10	14.557	164	526243	20.000	ng	0.00
64) Phenanthrene-d10	17.316	188	1175990	20.000	ng	0.00
76) Chrysene-d12	21.404	240	1430859	20.000	ng	-0.01
86) Perylene-d12	23.839	264	1278715	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1925360	164.077	ng	0.00
7) Phenol-d6	7.093	99	2409915	141.890	ng	0.00
23) Nitrobenzene-d5	9.081	82	1534643	101.861	ng	0.00
42) 2,4,6-Tribromophenol	16.051	330	1200870	159.898	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	3460029	95.750	ng	0.00
79) Terphenyl-d14	19.880	244	6103962	86.867	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.399	88	112	Below Cal	#	1
66) n-Nitrosodiphenylamine	15.828	169	74108	2.214	ng	# 44
71) Phenanthrene	17.357	178	269433	4.358	ng	# 95
75) Fluoranthene	19.321	202	631311	8.095	ng	98
78) Pyrene	19.674	202	706508	8.050	ng	98
81) Benzo(a)anthracene	21.392	228	389633	4.133	ng	98
83) Chrysene	21.439	228	359430	4.028	ng	97
84) Bis(2-ethylhexyl)phtha...	21.321	149	106877	2.020	ng	# 99
88) Benzo(b)fluoranthene	23.098	252	392331	5.205	ng	96
89) Benzo(k)fluoranthene	23.098	252	392331	5.244	ng	97
90) Benzo(a)pyrene	23.727	252	293775	4.501	ng	98
92) Benzo(g,h,i)perylene	27.150	276	183202	2.338	ng	99

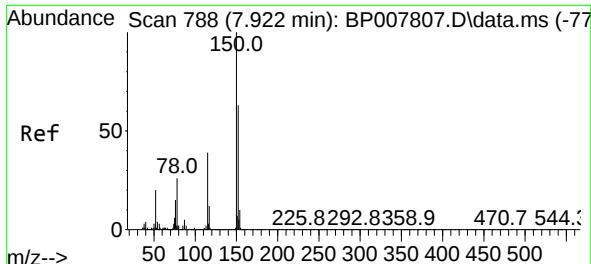
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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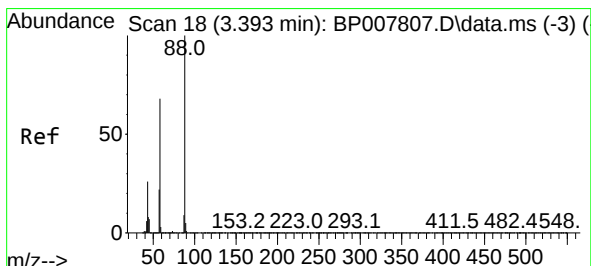
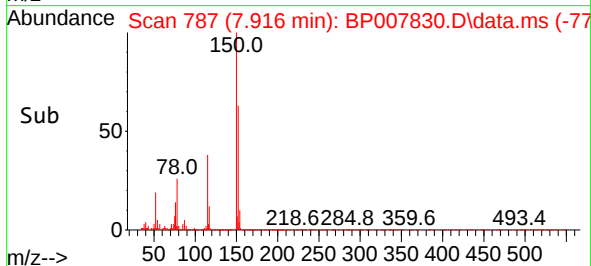
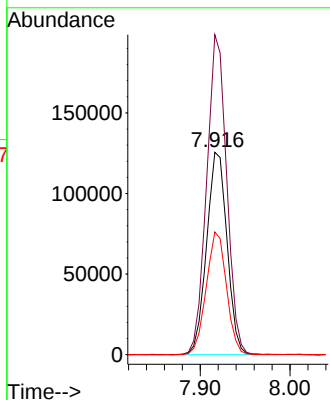
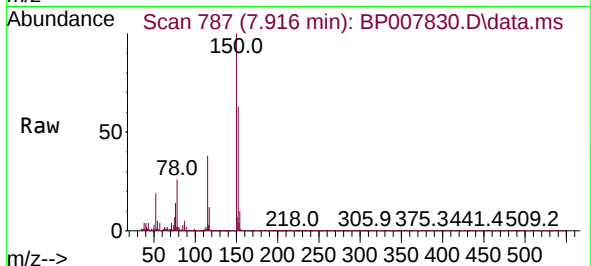




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.916 min Scan# 7
 Delta R.T. -0.006 min
 Lab File: BP007830.D
 Acq: 03 Nov 2021 19:19

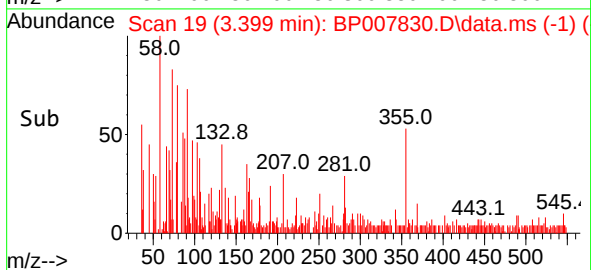
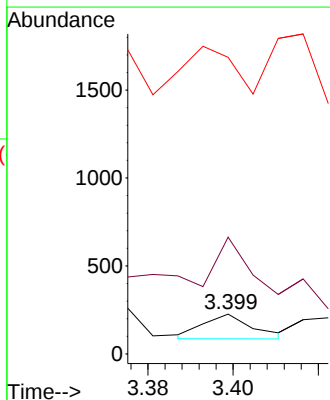
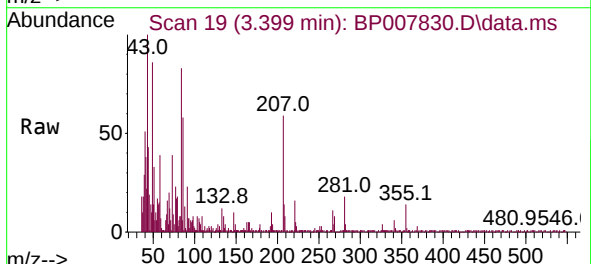
Instrument :
 BNA_P
 ClientSampleId :

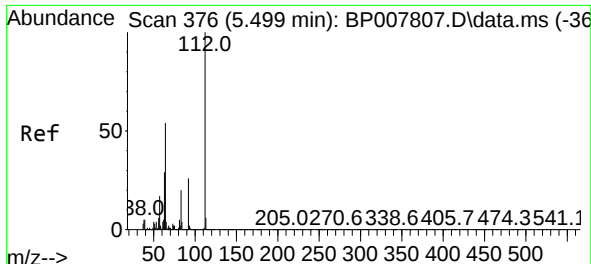
Tgt Ion:152 Resp: 199009
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.1 186.1
 115 60.7 48.1 72.1



#2
 1,4-Dioxane
 Concen: Below Cal
 RT: 3.399 min Scan# 19
 Delta R.T. 0.006 min
 Lab File: BP007830.D
 Acq: 03 Nov 2021 19:19

Tgt Ion: 88 Resp: 112
 Ion Ratio Lower Upper
 88 100
 58 268.8 58.1 87.1#
 43 197.3 22.2 33.4#

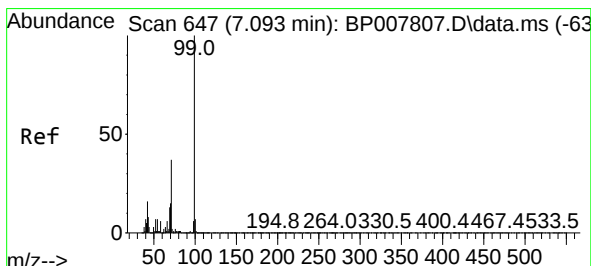
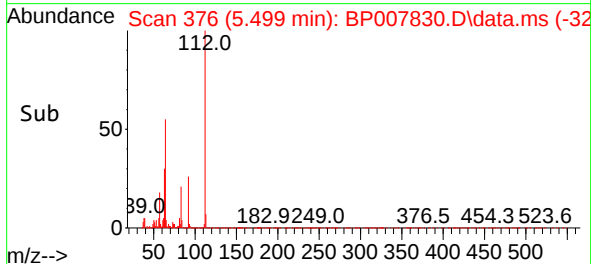
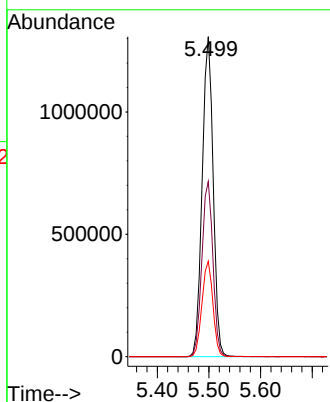
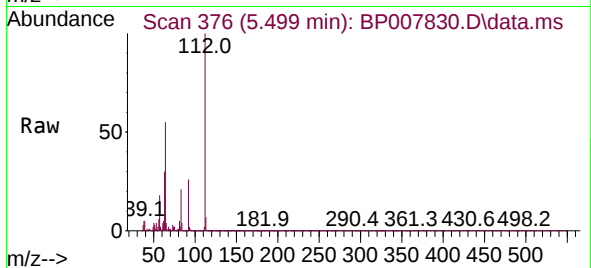




#5
2-Fluorophenol
Concen: 164.077 ng
RT: 5.499 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP007830.D
Acq: 03 Nov 2021 19:19

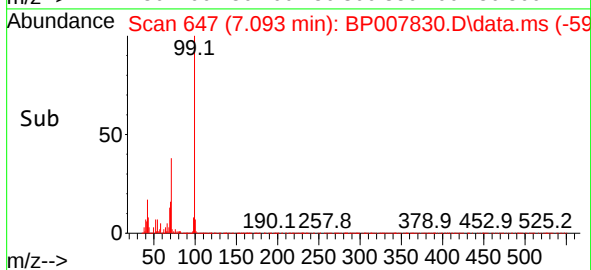
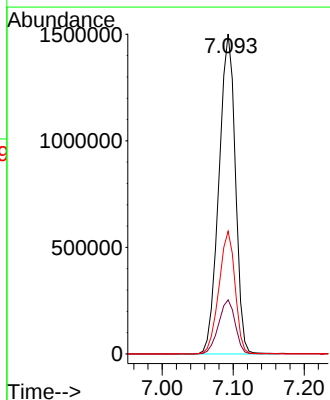
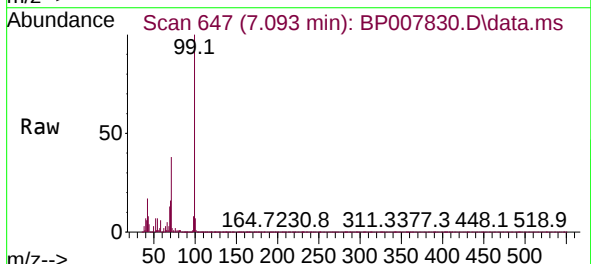
Instrument :
BNA_P
ClientSampleId :

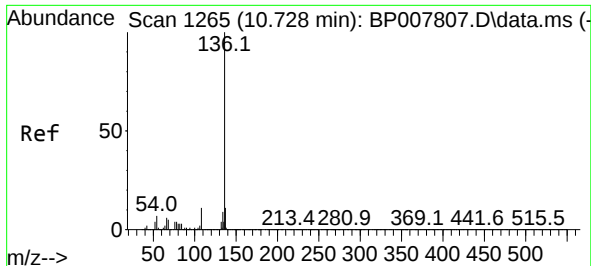
Tgt Ion:112 Resp: 1925360
Ion Ratio Lower Upper
112 100
64 54.7 46.6 70.0
63 29.8 25.0 37.6



#7
Phenol-d6
Concen: 141.890 ng
RT: 7.093 min Scan# 647
Delta R.T. -0.000 min
Lab File: BP007830.D
Acq: 03 Nov 2021 19:19

Tgt Ion: 99 Resp: 2409915
Ion Ratio Lower Upper
99 100
42 16.9 14.9 22.3
71 38.3 29.2 43.8

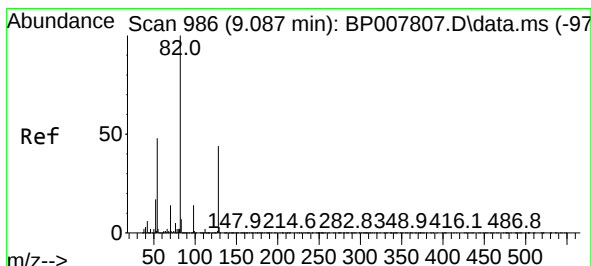
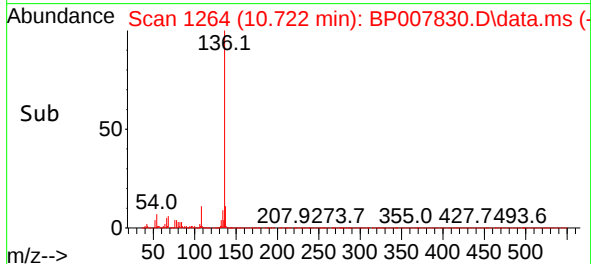
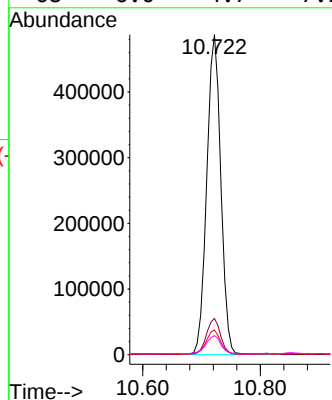
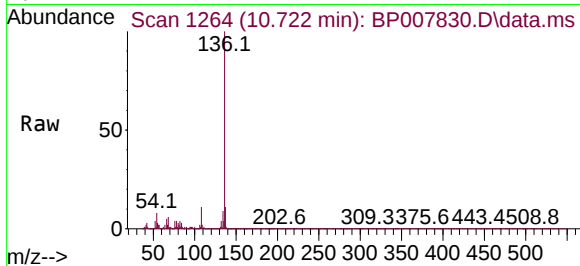




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.722 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP007830.D
Acq: 03 Nov 2021 19:19

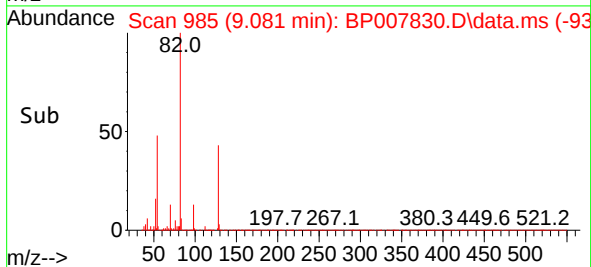
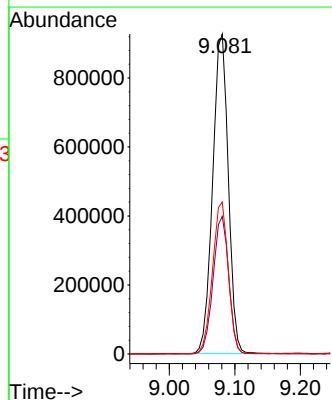
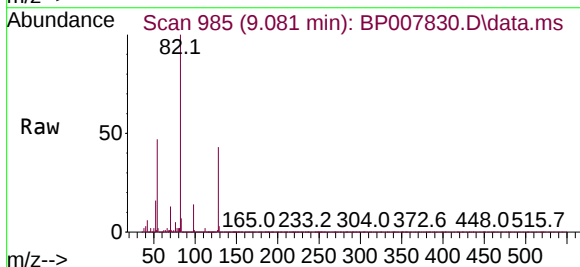
Instrument :
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ClientSampleId :

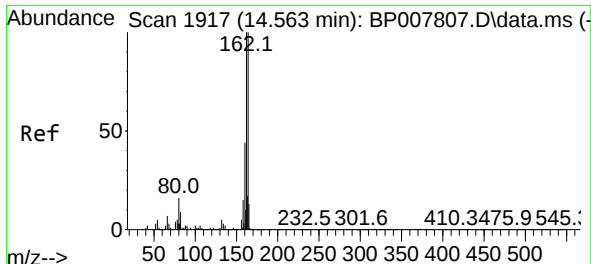
Tgt Ion:136 Resp: 809309
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 7.7 6.2 9.4
68 6.0 4.7 7.1



#23
Nitrobenzene-d5
Concen: 101.861 ng
RT: 9.081 min Scan# 985
Delta R.T. -0.006 min
Lab File: BP007830.D
Acq: 03 Nov 2021 19:19

Tgt Ion: 82 Resp: 1534643
Ion Ratio Lower Upper
82 100
128 43.0 32.6 48.8
54 47.5 40.4 60.6

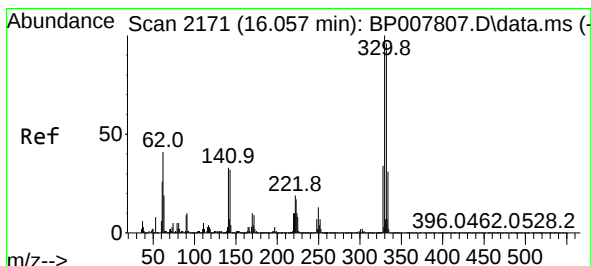
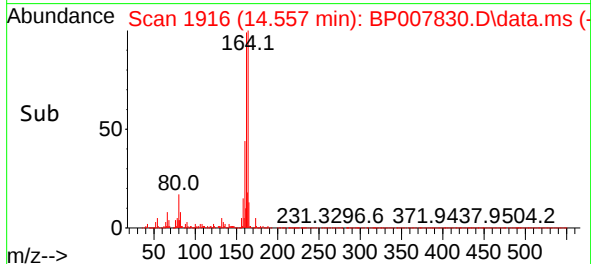
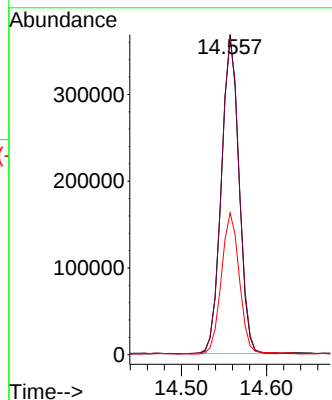
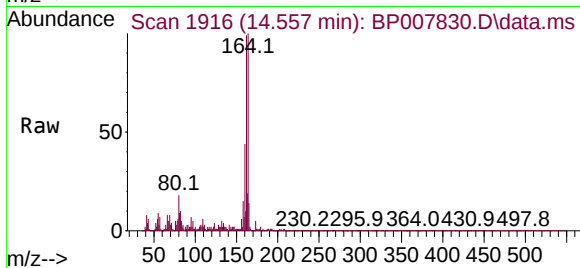




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.557 min Scan# 1916
Delta R.T. -0.006 min
Lab File: BP007830.D
Acq: 03 Nov 2021 19:19

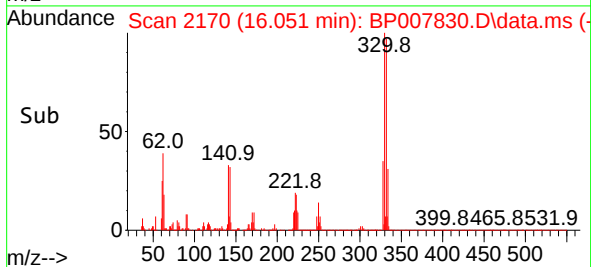
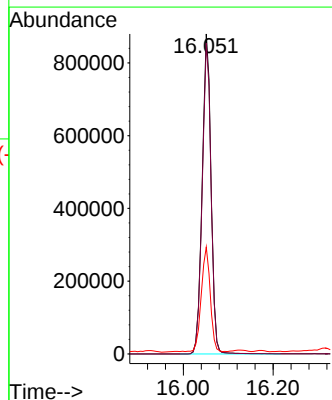
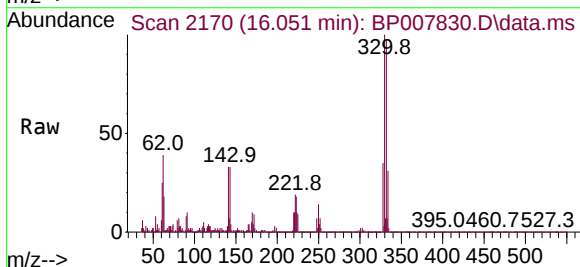
Instrument :
BNA_P
ClientSampleId :

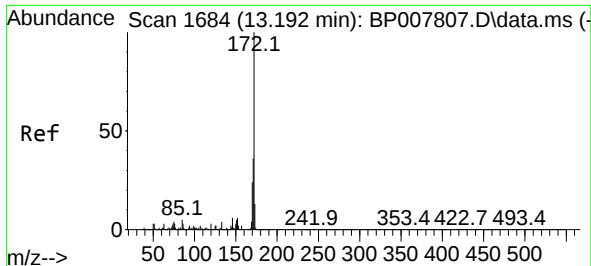
Tgt Ion:164 Resp: 526243
Ion Ratio Lower Upper
164 100
162 98.7 81.1 121.7
160 44.3 36.0 54.0



#42
2,4,6-Tribromophenol
Concen: 159.898 ng
RT: 16.051 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BP007830.D
Acq: 03 Nov 2021 19:19

Tgt Ion:330 Resp: 1200870
Ion Ratio Lower Upper
330 100
332 97.0 78.9 118.3
141 32.9 30.7 46.1

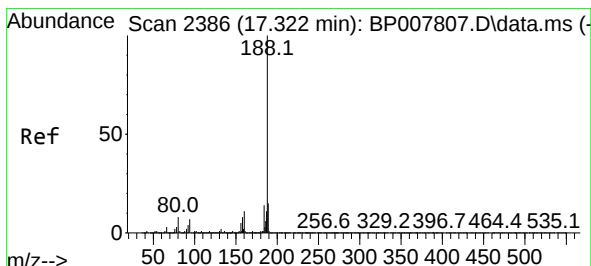
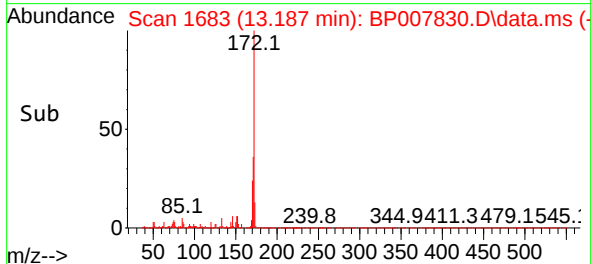
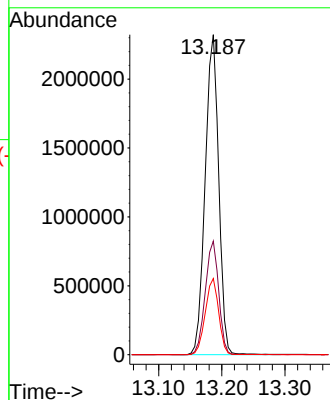
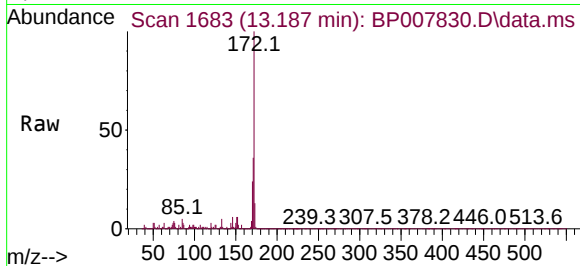




#45
2-Fluorobiphenyl
Concen: 95.750 ng
RT: 13.187 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP007830.D
Acq: 03 Nov 2021 19:19

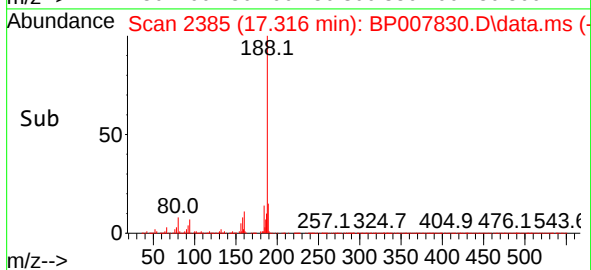
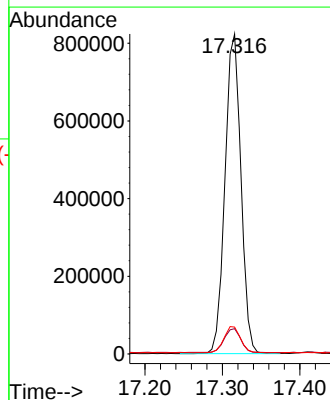
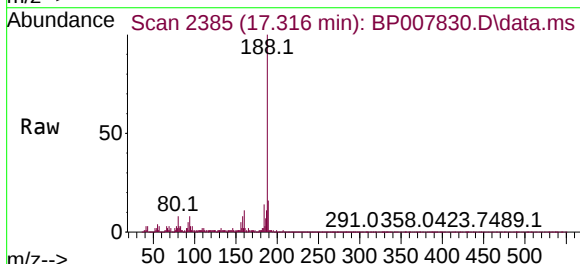
Instrument :
BNA_P
ClientSampleId :

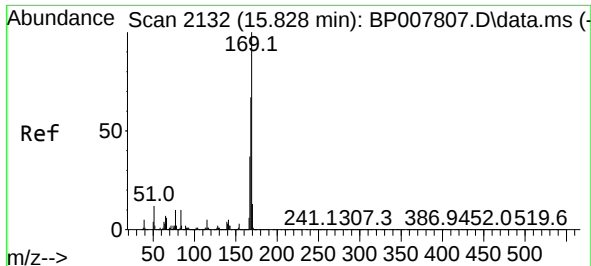
Tgt Ion:172 Resp: 3460029
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 23.8 19.0 28.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.316 min Scan# 2385
Delta R.T. -0.006 min
Lab File: BP007830.D
Acq: 03 Nov 2021 19:19

Tgt Ion:188 Resp: 1175990
Ion Ratio Lower Upper
188 100
94 7.9 7.1 10.7
80 8.4 7.8 11.6

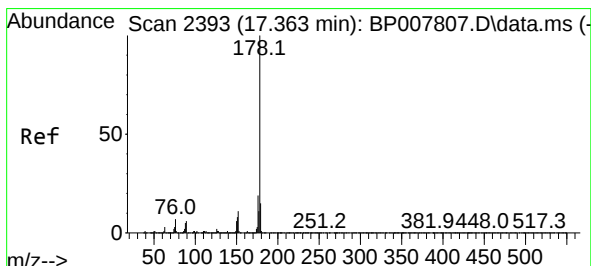
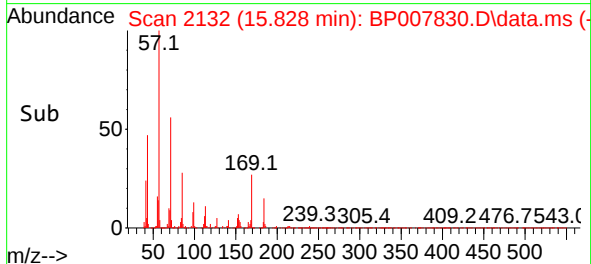
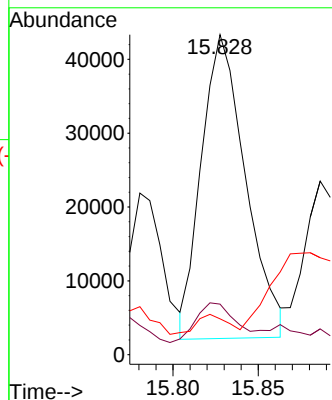
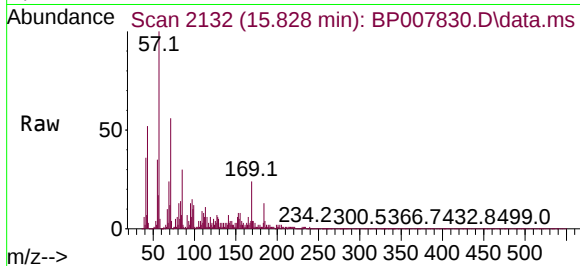




#66
 n-Nitrosodiphenylamine
 Concen: 2.214 ng
 RT: 15.828 min Scan# 2132
 Delta R.T. -0.000 min
 Lab File: BP007830.D
 Acq: 03 Nov 2021 19:19

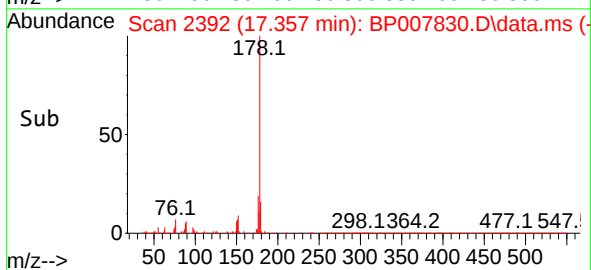
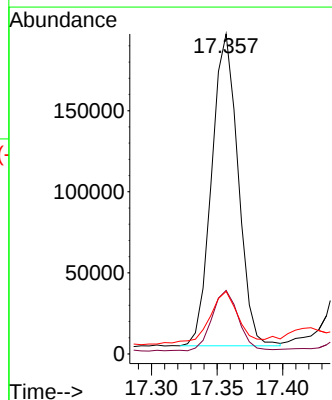
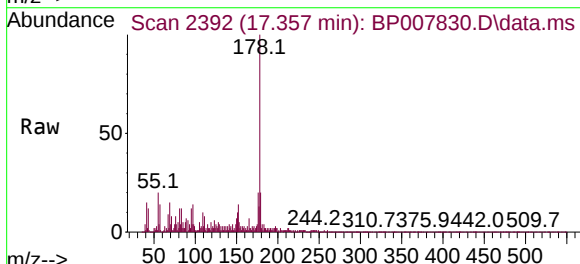
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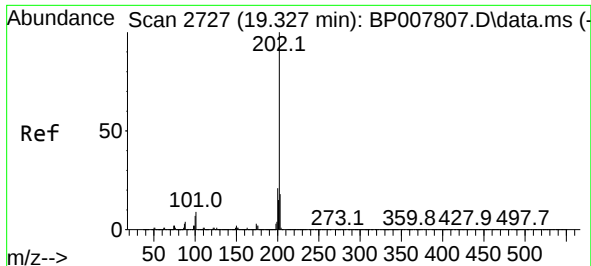
Tgt Ion:169 Resp: 74108
 Ion Ratio Lower Upper
 169 100
 168 15.8 52.7 79.1#
 167 11.2 29.0 43.6#



#71
 Phenanthrene
 Concen: 4.358 ng
 RT: 17.357 min Scan# 2392
 Delta R.T. -0.006 min
 Lab File: BP007830.D
 Acq: 03 Nov 2021 19:19

Tgt Ion:178 Resp: 269433
 Ion Ratio Lower Upper
 178 100
 176 19.9 15.4 23.0
 179 19.6 12.3 18.5#

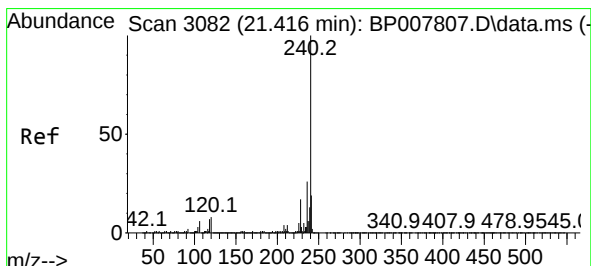
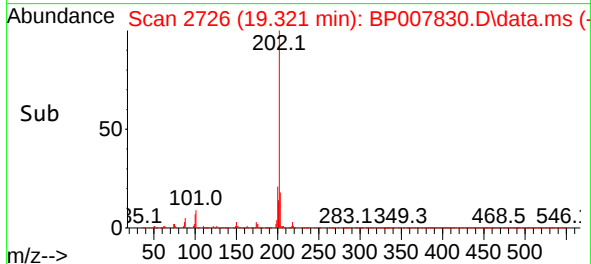
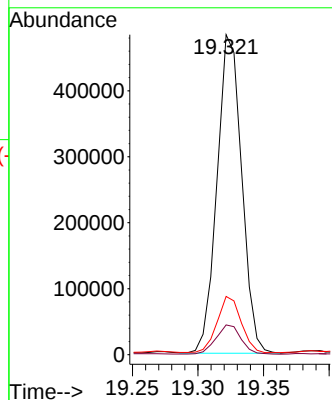
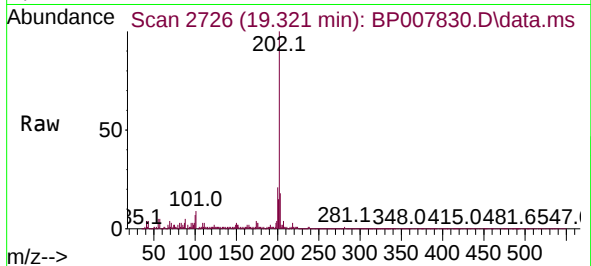




#75
Fluoranthene
Concen: 8.095 ng
RT: 19.321 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP007830.D
Acq: 03 Nov 2021 19:19

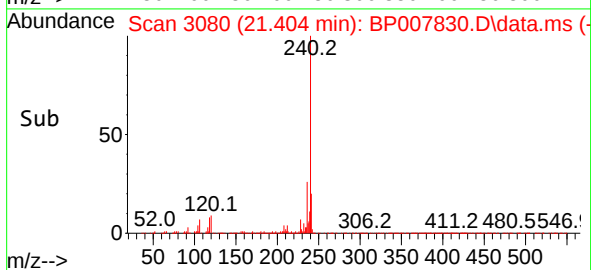
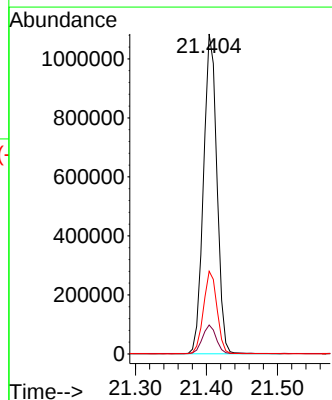
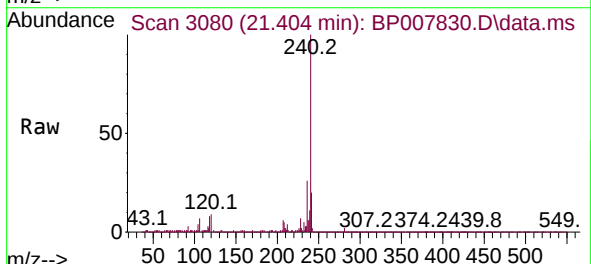
Instrument :
BNA_P
ClientSampleId :

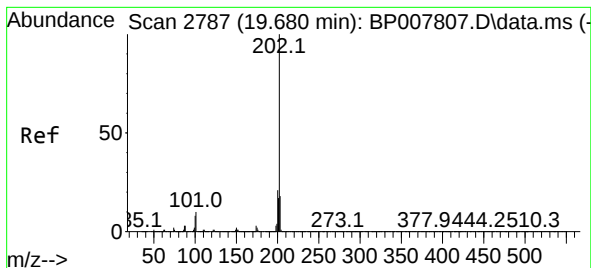
Tgt Ion:202 Resp: 631311
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.4
203 18.2 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3080
Delta R.T. -0.012 min
Lab File: BP007830.D
Acq: 03 Nov 2021 19:19

Tgt Ion:240 Resp: 1430859
Ion Ratio Lower Upper
240 100
120 9.1 7.8 11.8
236 25.9 20.6 30.8





#78

Pyrene

Concen: 8.050 ng

RT: 19.674 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP007830.D

Acq: 03 Nov 2021 19:19

Instrument :

BNA_P

ClientSampleId :

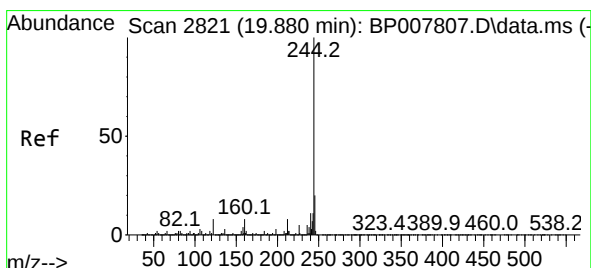
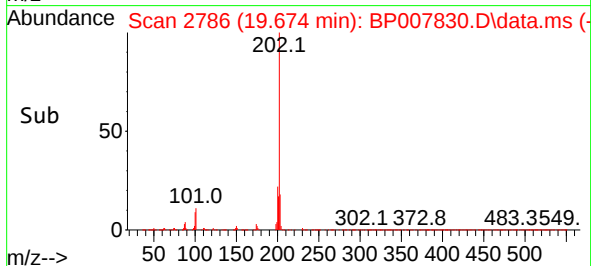
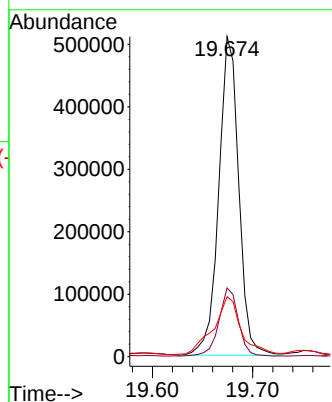
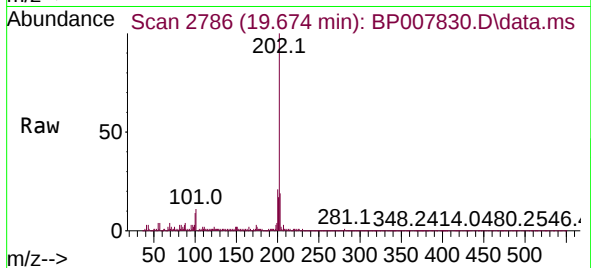
Tgt Ion:202 Resp: 706508

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

203 18.7 13.8 20.6



#79

Terphenyl-d14

Concen: 86.867 ng

RT: 19.880 min Scan# 2821

Delta R.T. -0.000 min

Lab File: BP007830.D

Acq: 03 Nov 2021 19:19

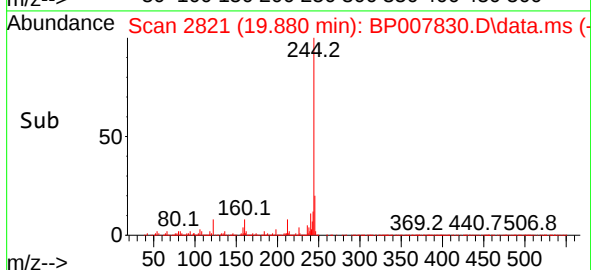
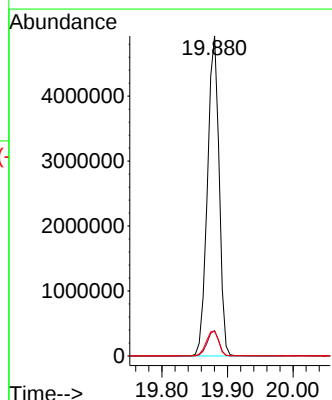
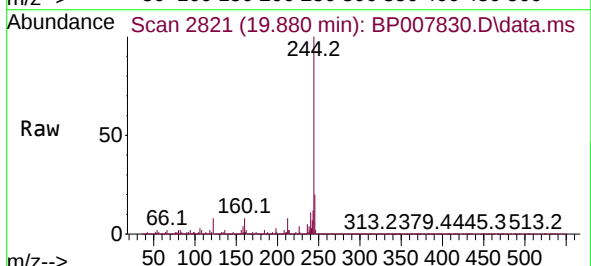
Tgt Ion:244 Resp: 6103962

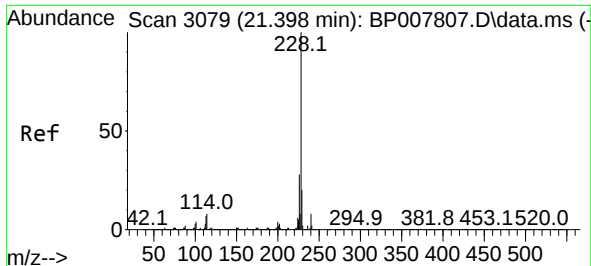
Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

122 7.8 7.8 11.8#

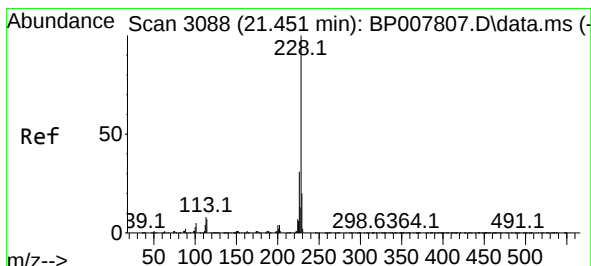
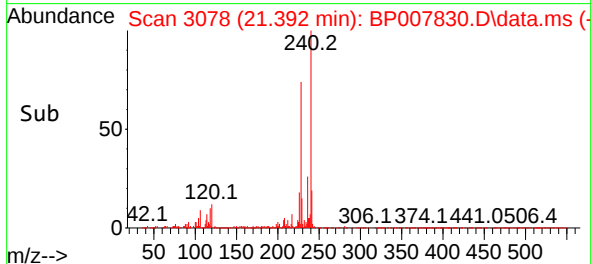
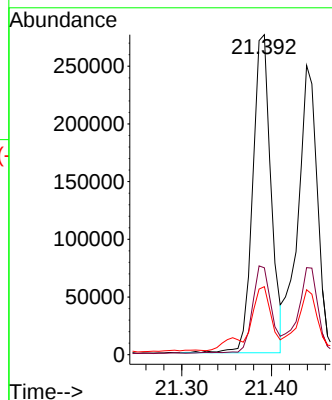
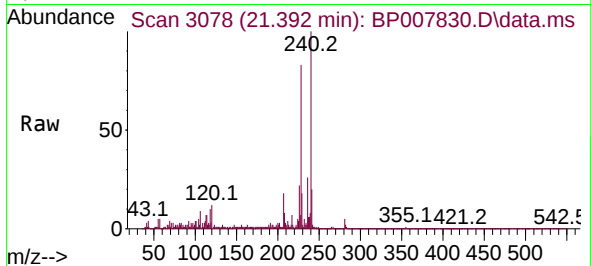




#81
Benzo(a)anthracene
Concen: 4.133 ng
RT: 21.392 min Scan# 3078
Delta R.T. -0.006 min
Lab File: BP007830.D
Acq: 03 Nov 2021 19:19

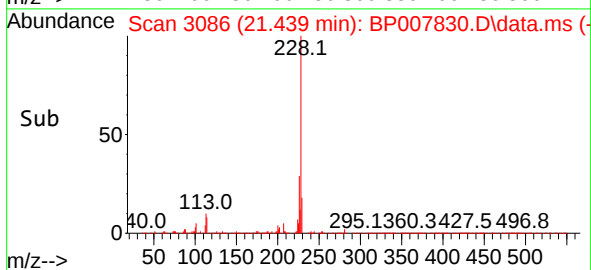
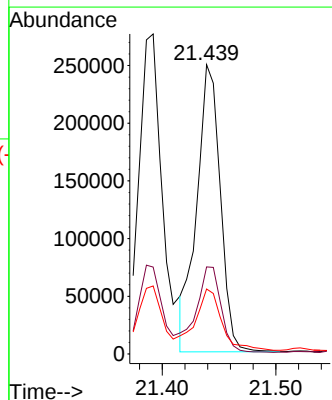
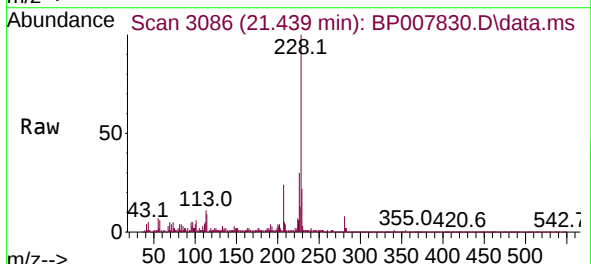
Instrument :
BNA_P
ClientSampleId :

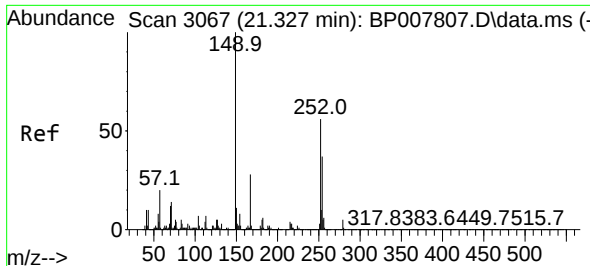
Tgt Ion:228 Resp: 389633
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.6
229 21.2 15.7 23.5



#83
Chrysene
Concen: 4.028 ng
RT: 21.439 min Scan# 3086
Delta R.T. -0.012 min
Lab File: BP007830.D
Acq: 03 Nov 2021 19:19

Tgt Ion:228 Resp: 359430
Ion Ratio Lower Upper
228 100
226 30.1 24.6 37.0
229 22.5 15.7 23.5

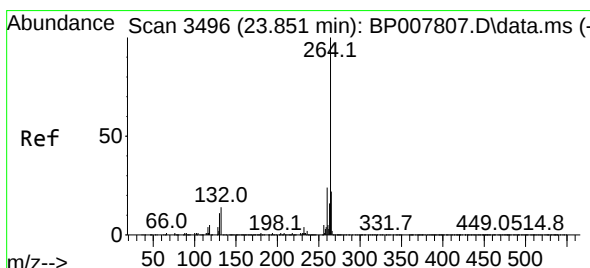
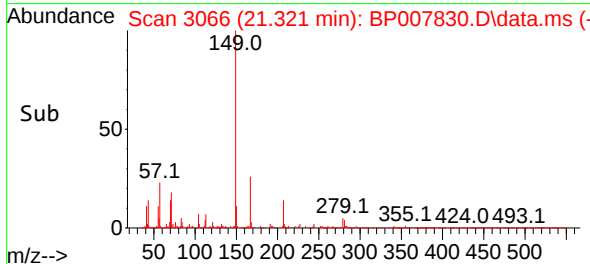
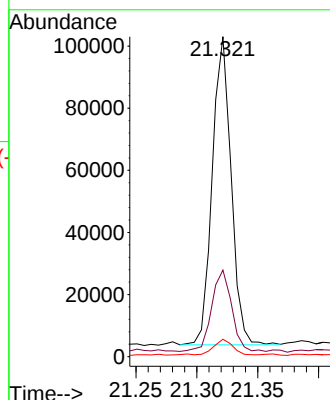
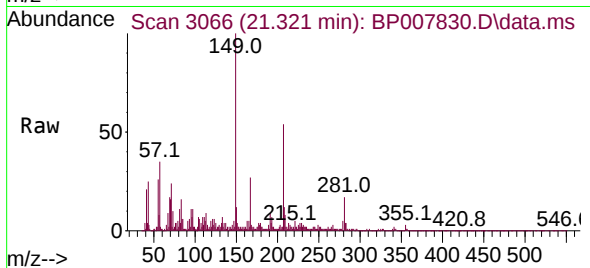




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.020 ng
 RT: 21.321 min Scan# 3066
 Delta R.T. -0.006 min
 Lab File: BP007830.D
 Acq: 03 Nov 2021 19:19

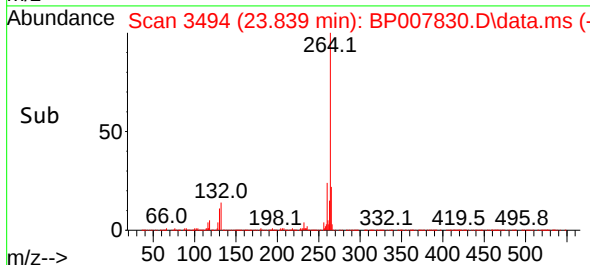
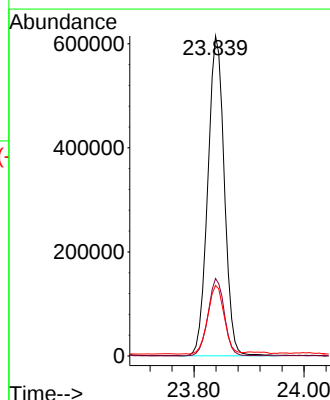
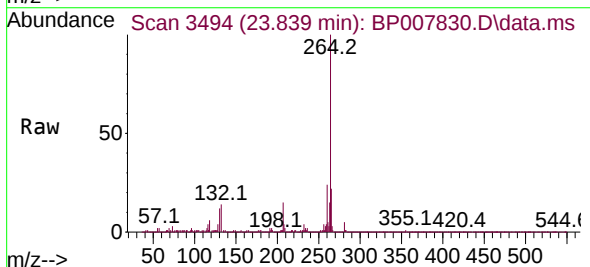
Instrument :
 BNA_P
 ClientSampleId :

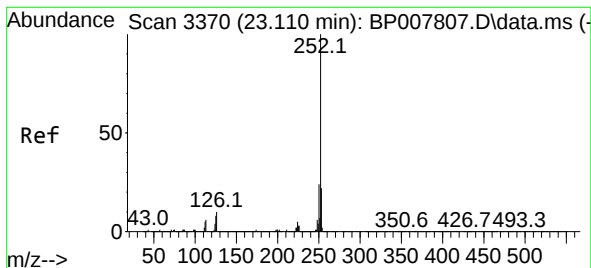
Tgt Ion:149 Resp: 106877
 Ion Ratio Lower Upper
 149 100
 167 27.1 21.6 32.4
 279 5.5 3.3 4.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.839 min Scan# 3494
 Delta R.T. -0.012 min
 Lab File: BP007830.D
 Acq: 03 Nov 2021 19:19

Tgt Ion:264 Resp: 1278715
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.1 28.7
 265 22.1 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 5.205 ng

RT: 23.098 min Scan# 3368

Delta R.T. -0.012 min

Lab File: BP007830.D

Acq: 03 Nov 2021 19:19

Instrument :

BNA_P

ClientSampleId :

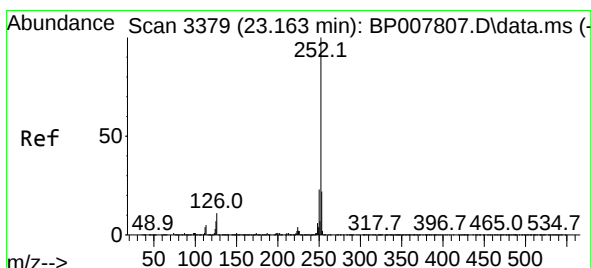
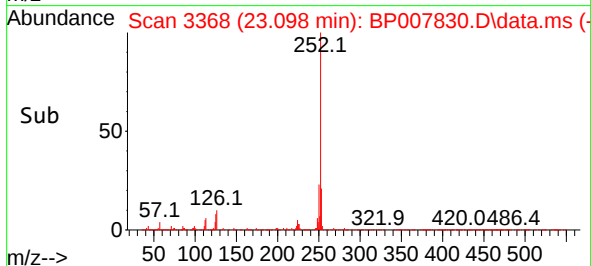
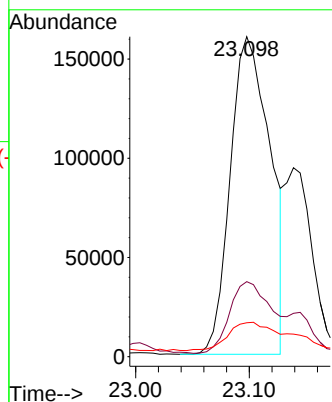
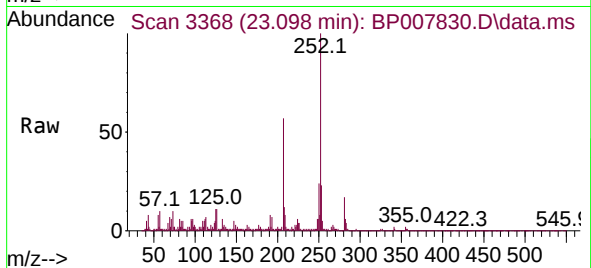
Tgt Ion:252 Resp: 392331

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.2

125 10.6 7.4 11.0



#89

Benzo(k)fluoranthene

Concen: 5.244 ng

RT: 23.098 min Scan# 3368

Delta R.T. -0.065 min

Lab File: BP007830.D

Acq: 03 Nov 2021 19:19

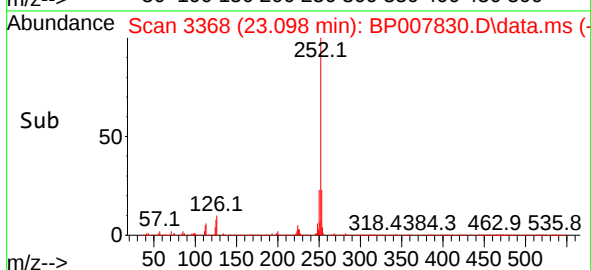
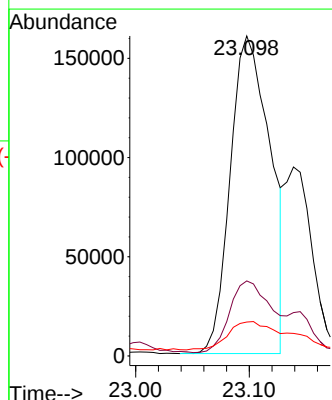
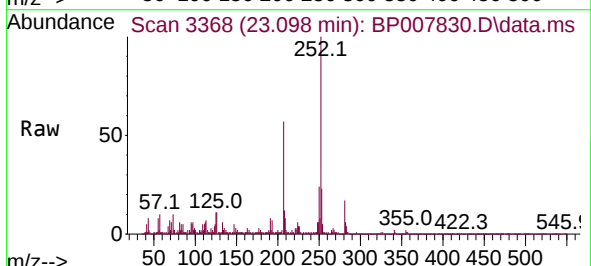
Tgt Ion:252 Resp: 392331

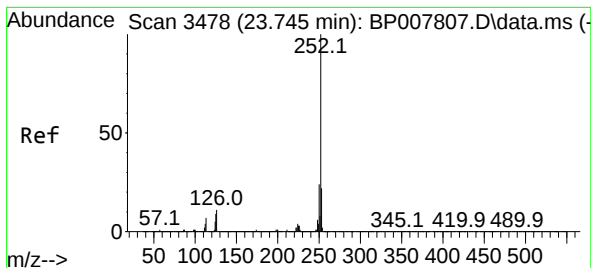
Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

125 10.6 7.4 11.0





#90

Benzo(a)pyrene

Concen: 4.501 ng

RT: 23.727 min Scan# 34

Delta R.T. -0.018 min

Lab File: BP007830.D

Acq: 03 Nov 2021 19:19

Instrument :

BNA_P

ClientSampleId :

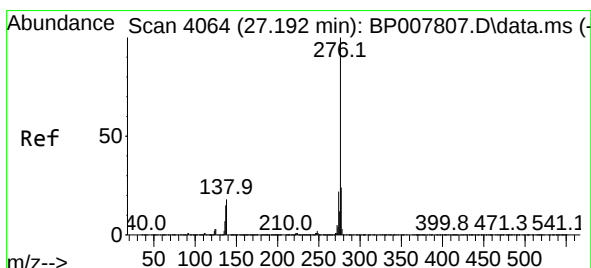
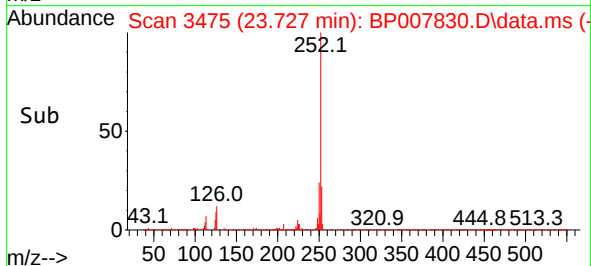
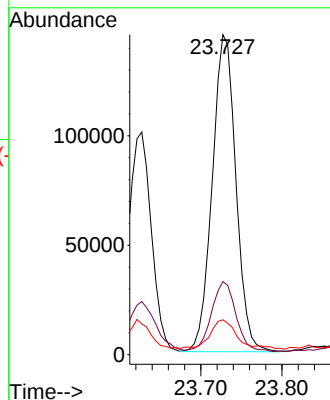
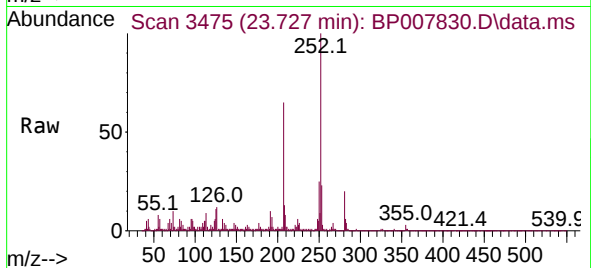
Tgt Ion:252 Resp: 293775

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 10.9 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 2.338 ng

RT: 27.150 min Scan# 4057

Delta R.T. -0.041 min

Lab File: BP007830.D

Acq: 03 Nov 2021 19:19

Tgt Ion:276 Resp: 183202

Ion Ratio Lower Upper

276 100

277 24.4 19.4 29.0

138 20.8 16.2 24.4

