

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021822\
 Data File : BP009225.D
 Acq On : 18 Feb 2022 21:30
 Operator : CG/JU
 Sample : N1579-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-4R-E(0-0.5)

Quant Time: Feb 19 00:51:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 19 00:46:08 2022
 Response via : Initial Calibration

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

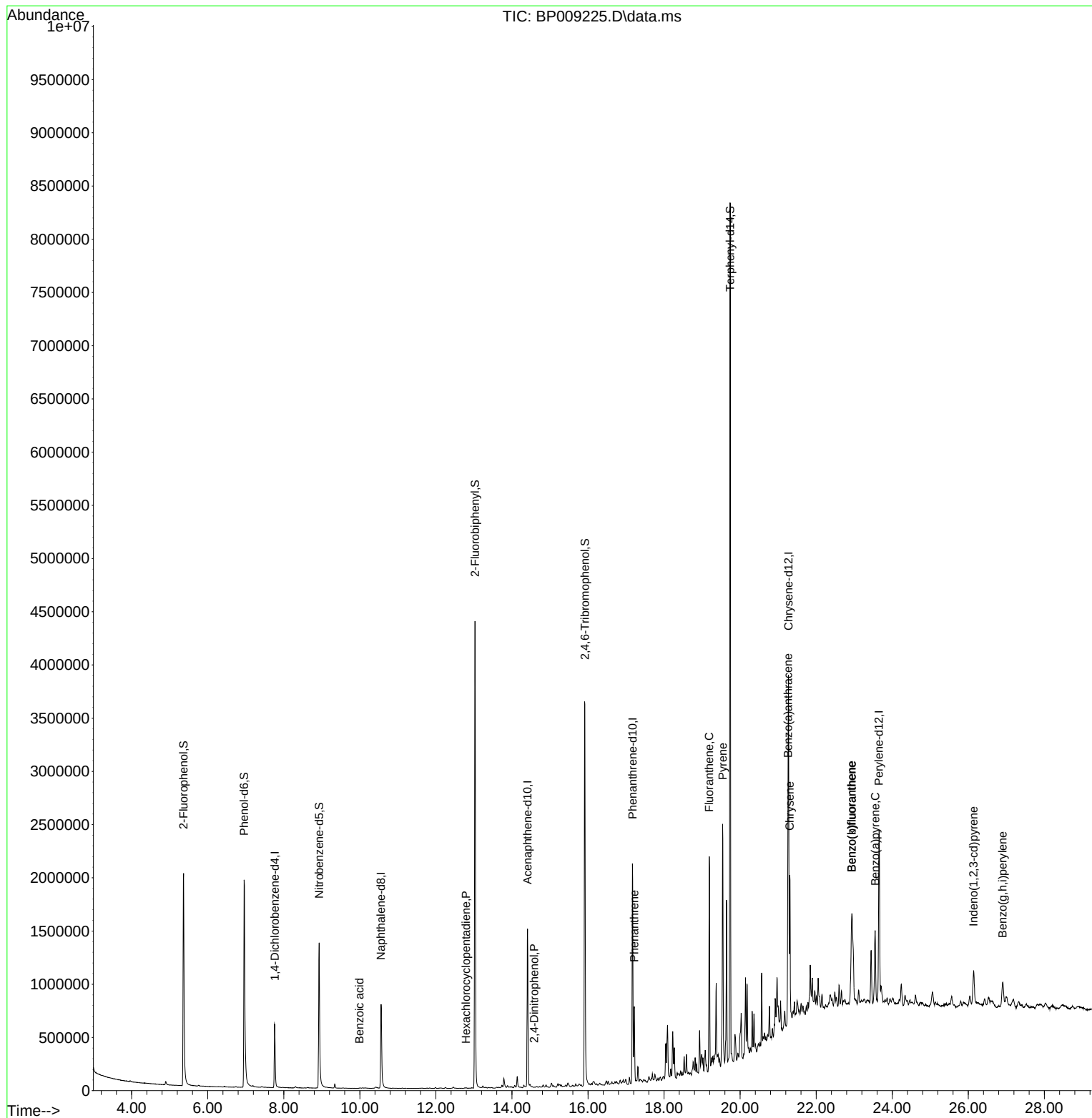
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.764	152	201444	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	823390	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	578129	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1296855	20.000	ng	0.00
76) Chrysene-d12	21.269	240	1394759	20.000	ng	-0.01
86) Perylene-d12	23.651	264	1289001	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.364	112	1214296	107.527	ng	0.00
7) Phenol-d6	6.958	99	1601544	107.628	ng	0.00
23) Nitrobenzene-d5	8.928	82	996251	68.233	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	894515	115.884	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	2523291	61.099	ng	0.00
79) Terphenyl-d14	19.739	244	4137414	53.346	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	9.987	122	12	2.690	ng	# 1
41) Hexachlorocyclopentadiene	12.793	237	11	8.657	ng	77
54) 2,4-Dinitrophenol	14.581	184	25	2.173	ng	# 1
71) Phenanthrene	17.216	178	507804	7.232	ng	99
75) Fluoranthene	19.186	202	1176502	14.949	ng	97
78) Pyrene	19.539	202	1442698	14.541	ng	98
81) Benzo(a)anthracene	21.257	228	700438	7.793	ng	100
83) Chrysene	21.304	228	756884	8.735	ng	98
87) Indeno(1,2,3-cd)pyrene	26.139	276	338770	3.537	ng	# 94
88) Benzo(b)fluoranthene	22.933	252	802075	10.108	ng	99
89) Benzo(k)fluoranthene	22.933	252	802075	10.131	ng	99
90) Benzo(a)pyrene	23.551	252	573418	8.667	ng	99
92) Benzo(g,h,i)perylene	26.904	276	335608	4.283	ng	98

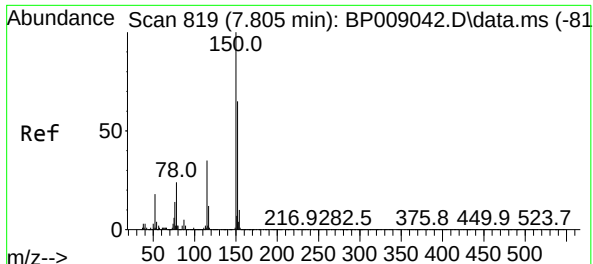
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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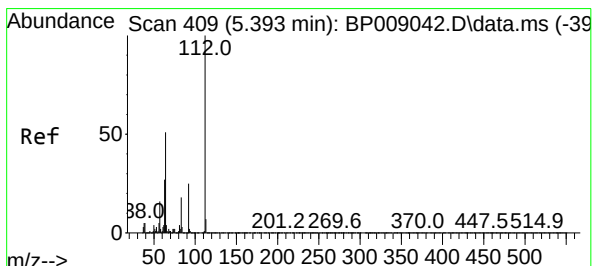
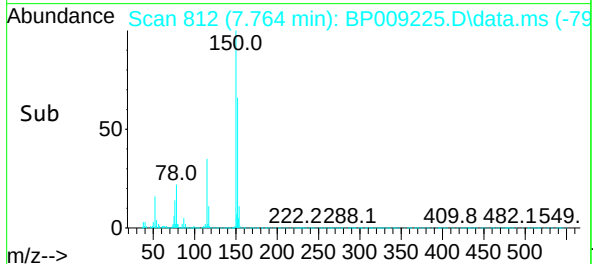
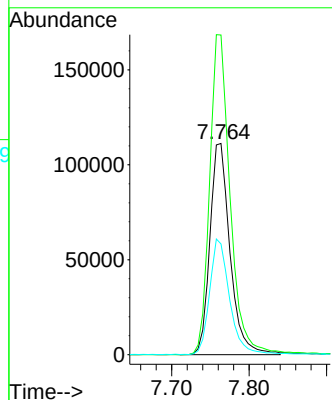
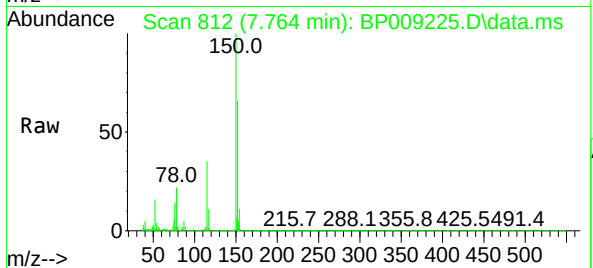




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.764 min Scan# 81
Delta R.T. -0.005 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

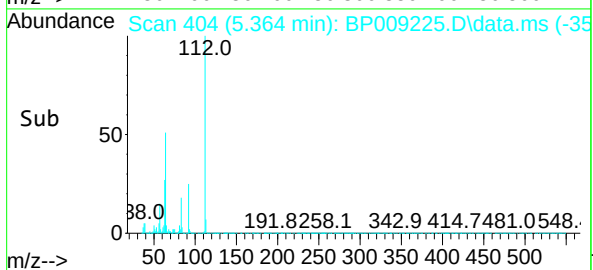
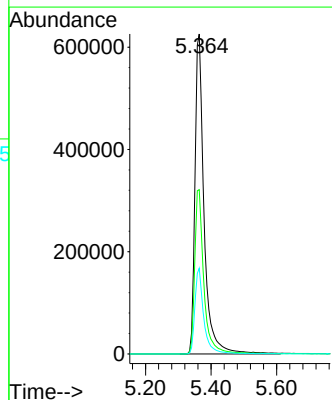
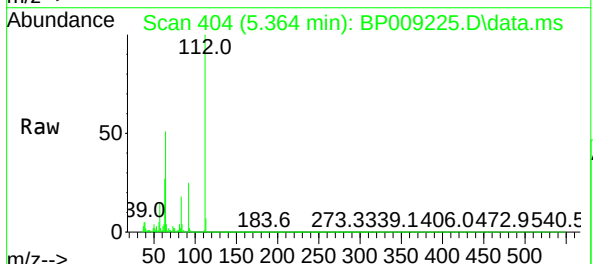
Instrument :
BNA_P
ClientSampleId :
SB-4R-E(0-0.5)

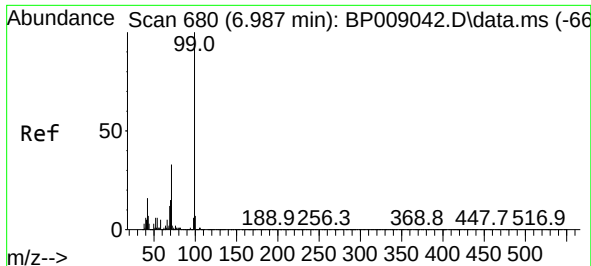
Tgt Ion:152 Resp: 201444
Ion Ratio Lower Upper
152 100
150 151.4 127.0 190.6
115 52.5 43.7 65.5



#5
2-Fluorophenol
Concen: 107.527 ng
RT: 5.364 min Scan# 404
Delta R.T. -0.000 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:112 Resp: 1214296
Ion Ratio Lower Upper
112 100
64 51.4 39.7 59.5
63 26.8 20.0 30.0

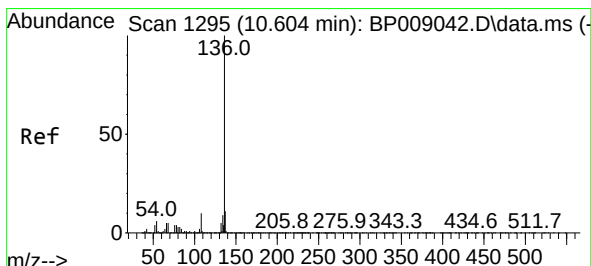
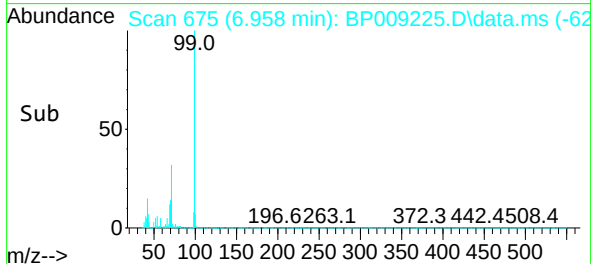
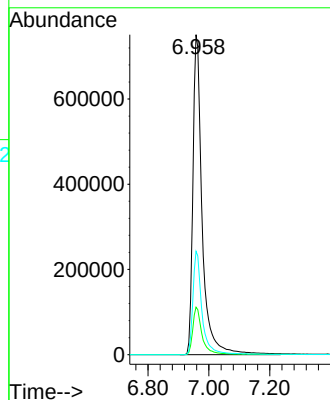
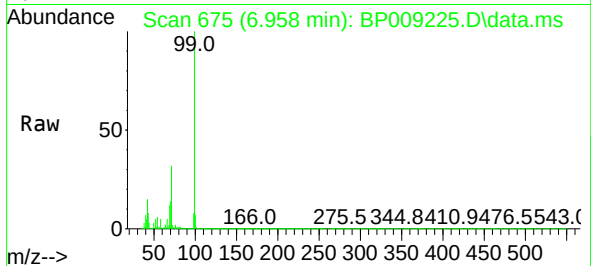




#7
Phenol-d6
Concen: 107.628 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

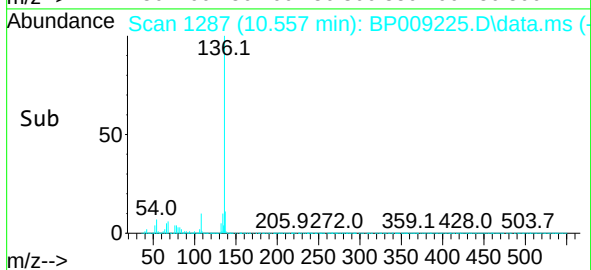
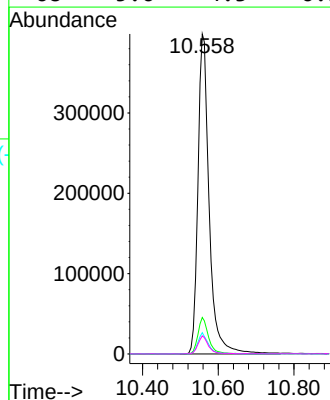
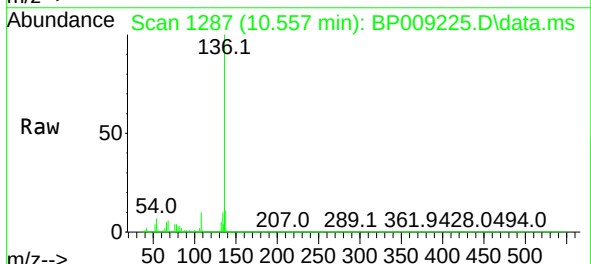
Instrument :
BNA_P
ClientSampleId :
SB-4R-E(0-0.5)

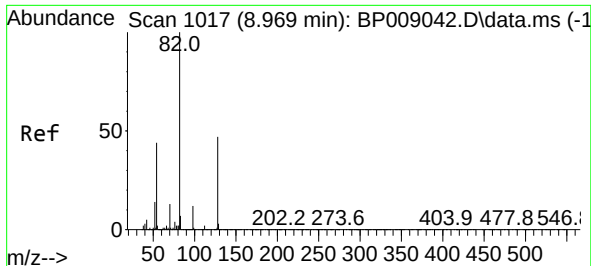
Tgt Ion: 99 Resp: 1601544
Ion Ratio Lower Upper
99 100
42 14.9 10.8 16.2
71 32.3 23.8 35.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion: 136 Resp: 823390
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 6.7 4.9 7.3
68 5.6 4.3 6.5

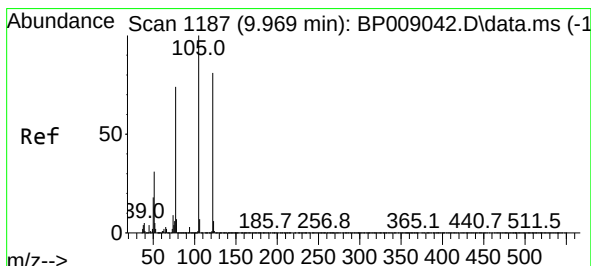
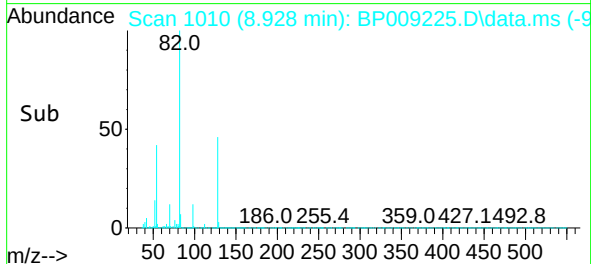
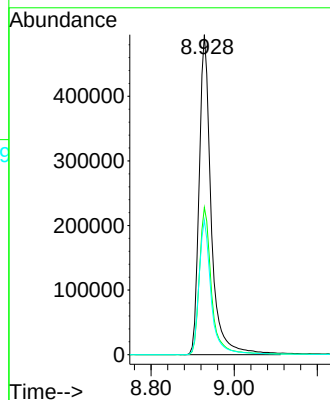
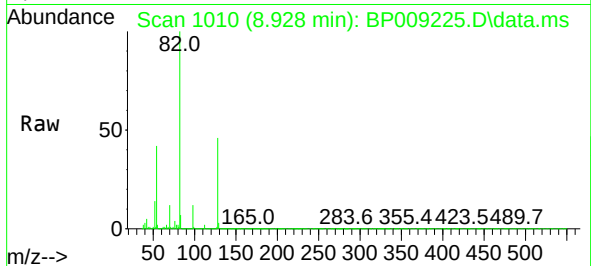




#23
Nitrobenzene-d5
Concen: 68.233 ng
RT: 8.928 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

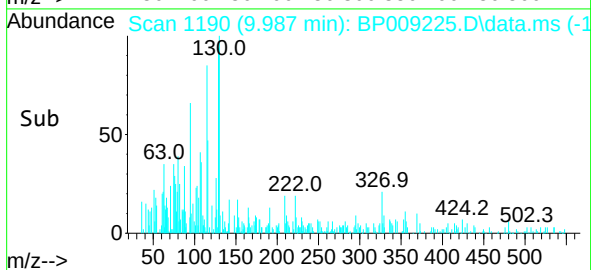
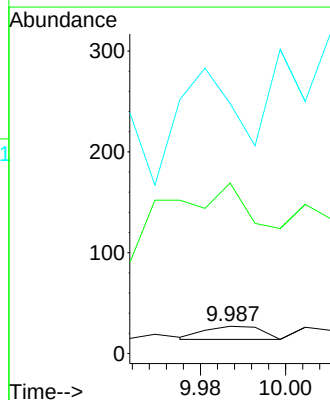
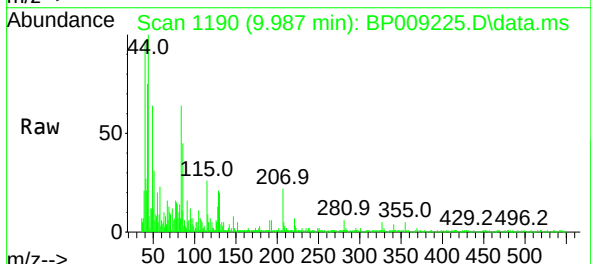
Instrument :
BNA_P
ClientSampleId :
SB-4R-E(0-0.5)

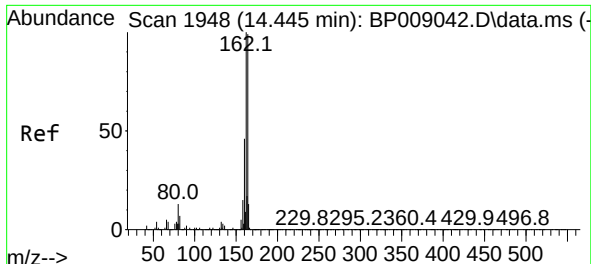
Tgt Ion: 82 Resp: 996251
Ion Ratio Lower Upper
82 100
128 46.0 39.4 59.2
54 42.0 32.6 48.8



#32
Benzoic acid
Concen: 2.690 ng
RT: 9.987 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion: 122 Resp: 12
Ion Ratio Lower Upper
122 100
105 625.9 100.1 140.1#
77 918.5 65.5 105.5#

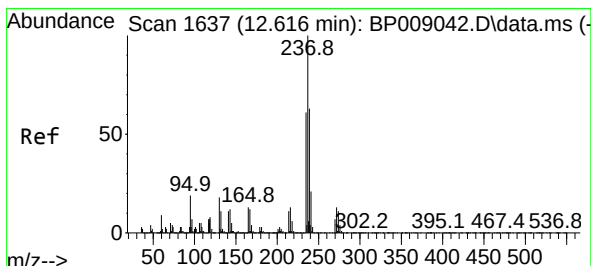
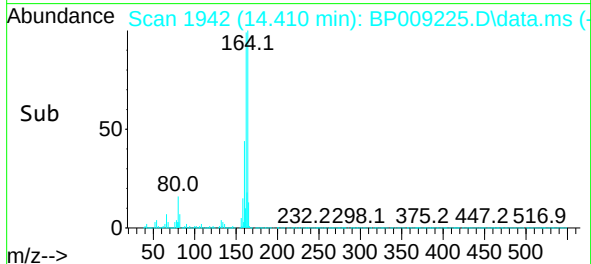
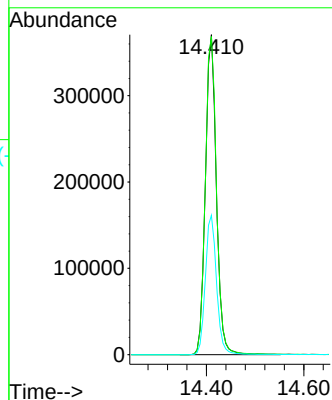
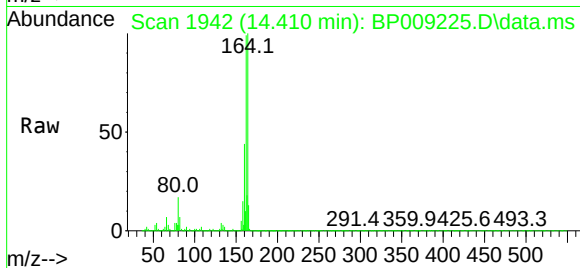




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

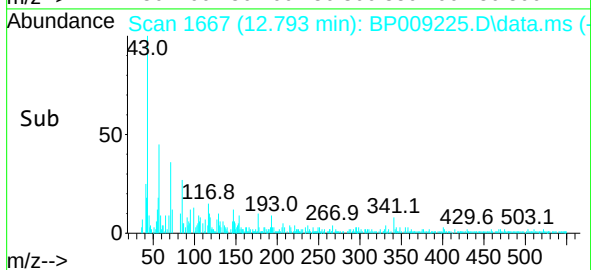
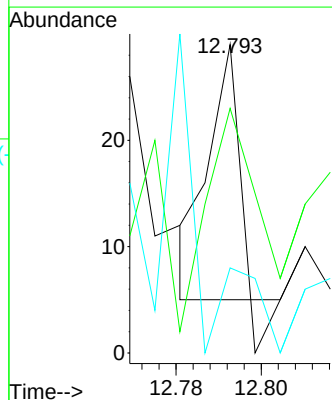
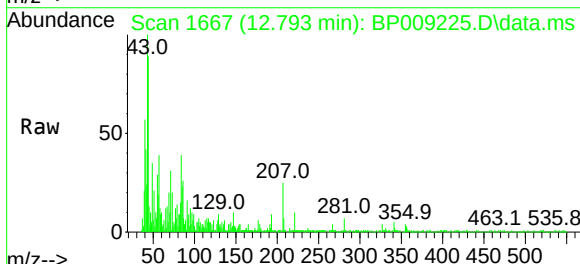
Instrument :
BNA_P
ClientSampleId :
SB-4R-E(0-0.5)

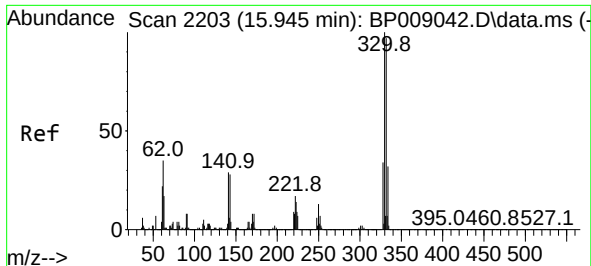
Tgt Ion:164 Resp: 578129
Ion Ratio Lower Upper
164 100
162 99.4 79.9 119.9
160 43.5 35.5 53.3



#41
Hexachlorocyclopentadiene
Concen: 8.657 ng
RT: 12.793 min Scan# 1667
Delta R.T. 0.218 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:237 Resp: 11
Ion Ratio Lower Upper
237 100
235 79.3 42.9 82.9
272 27.6 0.0 33.8

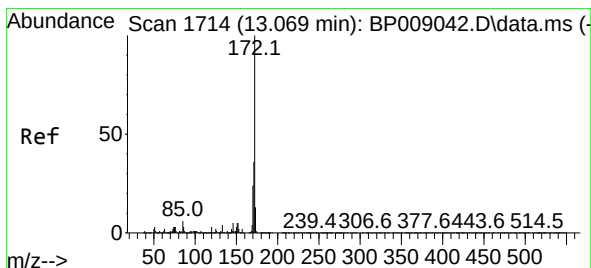
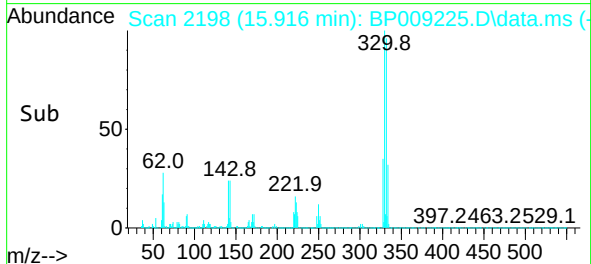
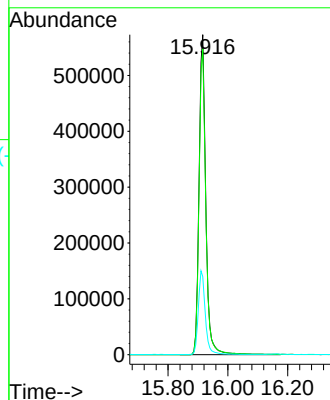
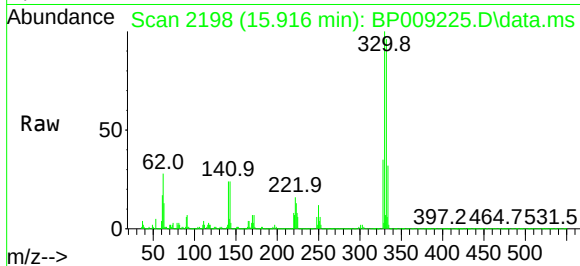




#42
2,4,6-Tribromophenol
Concen: 115.884 ng
RT: 15.916 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

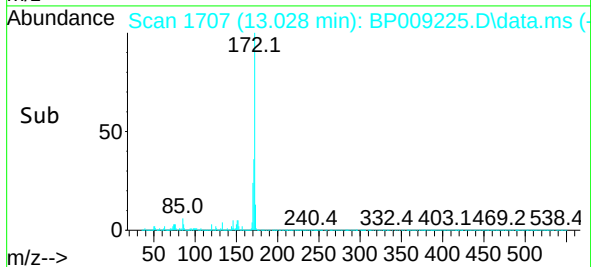
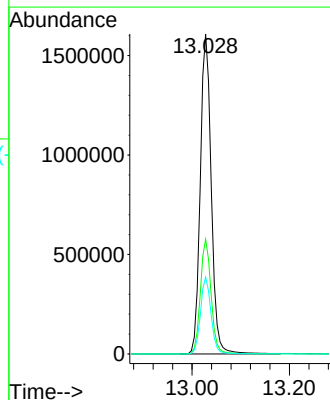
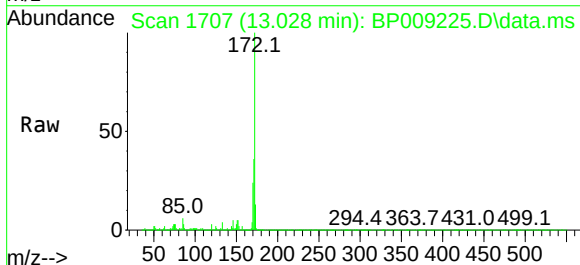
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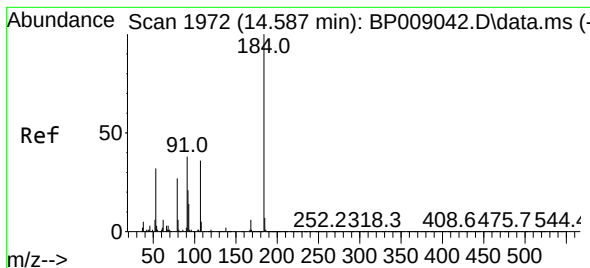
Tgt Ion:330 Resp: 894515
Ion Ratio Lower Upper
330 100
332 95.7 77.0 115.4
141 27.0 21.3 31.9



#45
2-Fluorobiphenyl
Concen: 61.099 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:172 Resp: 2523291
Ion Ratio Lower Upper
172 100
171 35.8 29.3 43.9
170 24.1 19.5 29.3

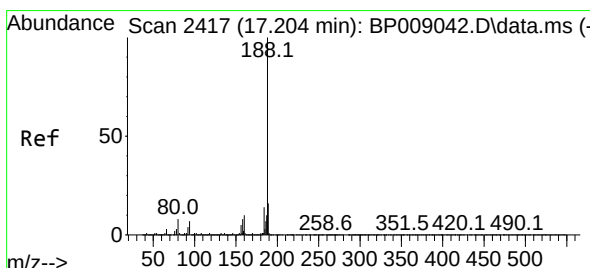
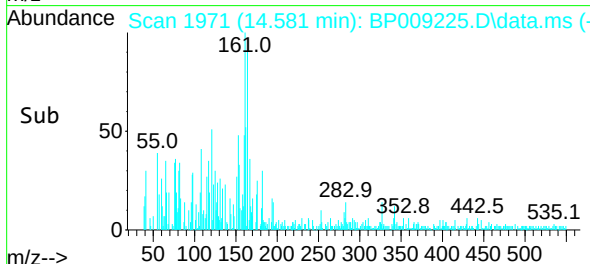
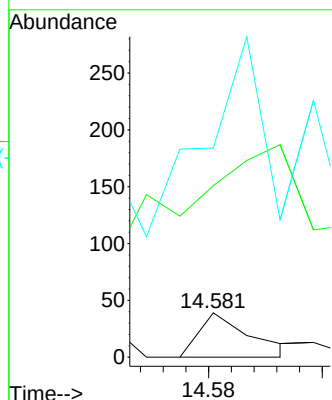
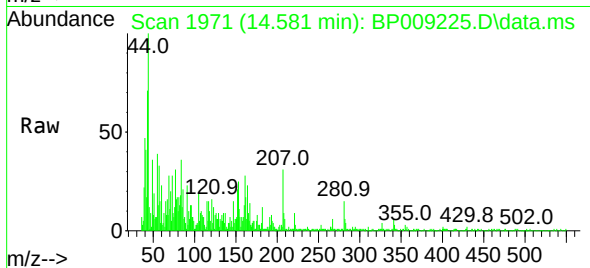




#54
2,4-Dinitrophenol
Concen: 2.173 ng
RT: 14.581 min Scan# 1972
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

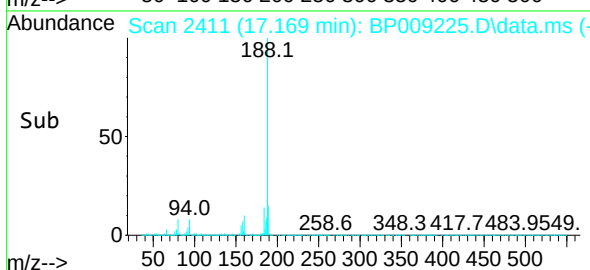
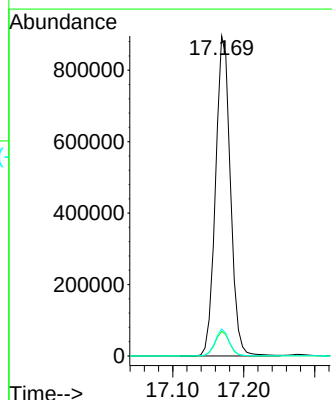
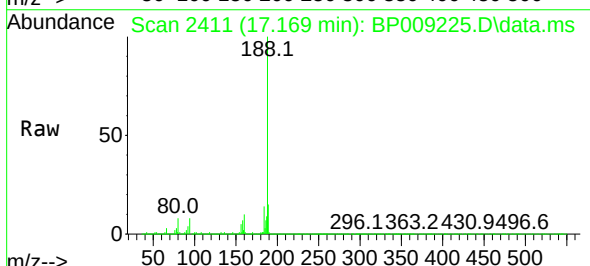
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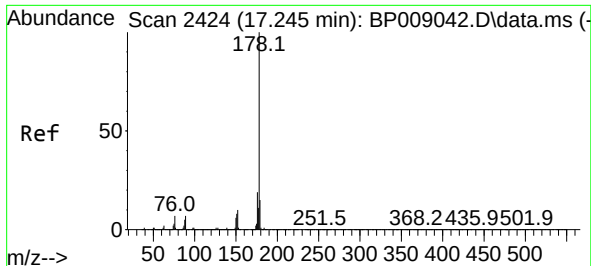
Tgt Ion:184 Resp: 25
Ion Ratio Lower Upper
184 100
63 387.2 35.6 53.4#
154 471.8 43.4 65.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:188 Resp: 1296855
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 8.5 7.2 10.8

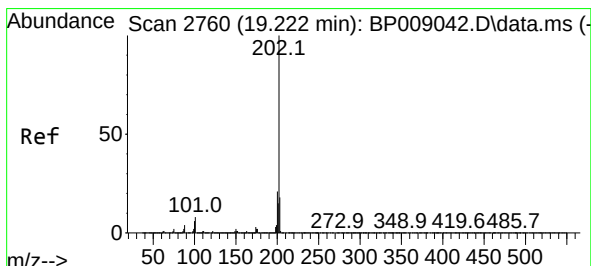
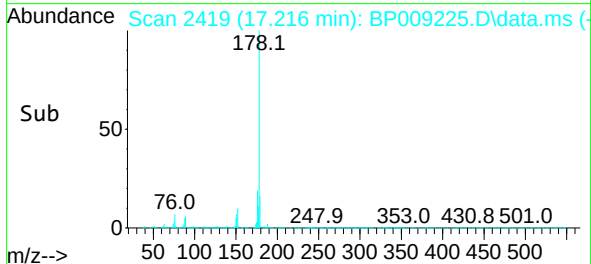
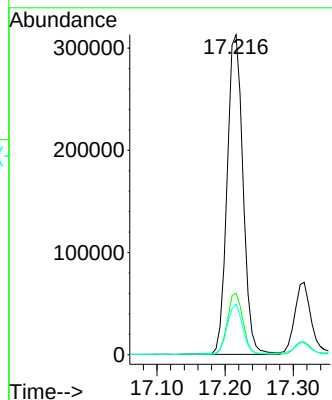
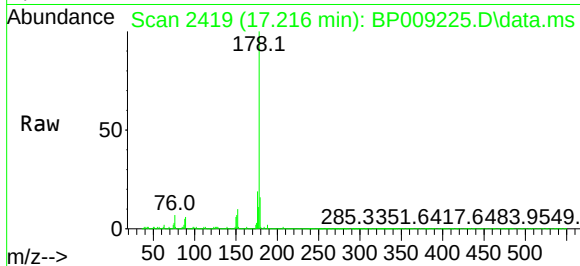




#71
Phenanthrene
Concen: 7.232 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

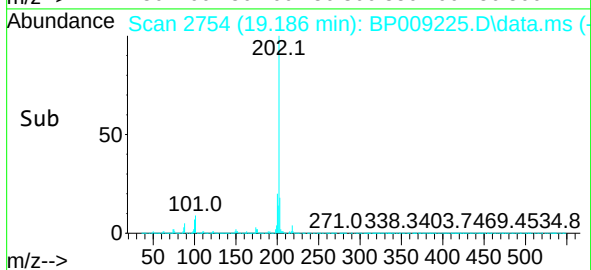
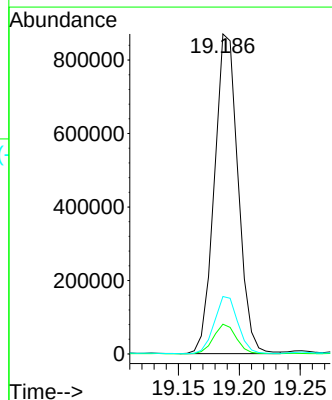
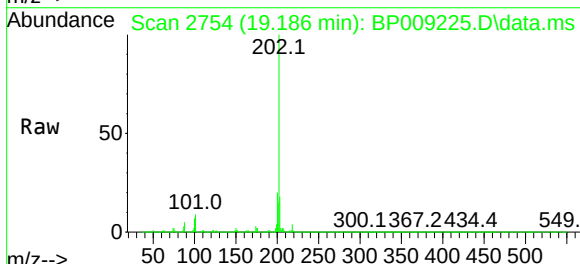
Instrument :
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SB-4R-E(0-0.5)

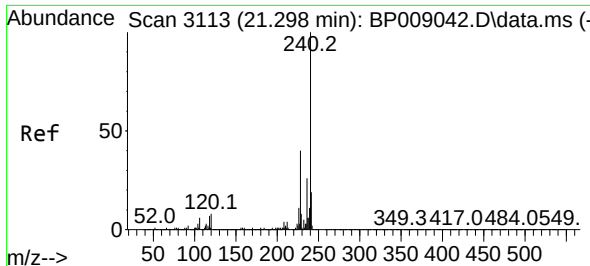
Tgt Ion:178 Resp: 507804
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.8 13.0 19.4



#75
Fluoranthene
Concen: 14.949 ng
RT: 19.186 min Scan# 2754
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:202 Resp: 1176502
Ion Ratio Lower Upper
202 100
101 9.3 0.0 30.7
203 17.9 0.0 38.9

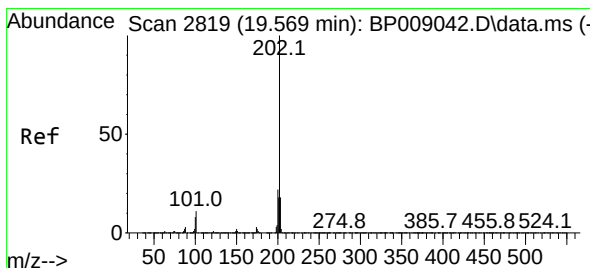
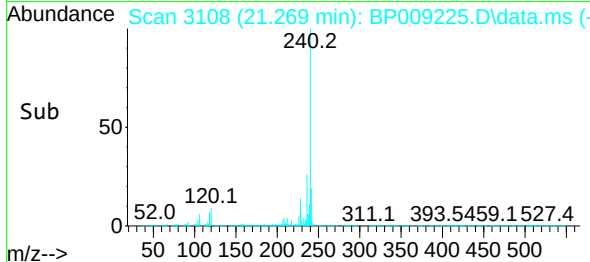
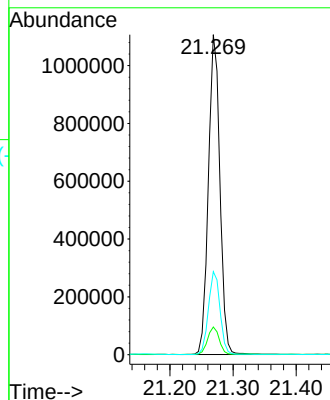
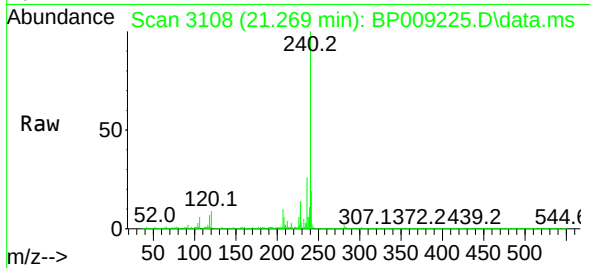




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

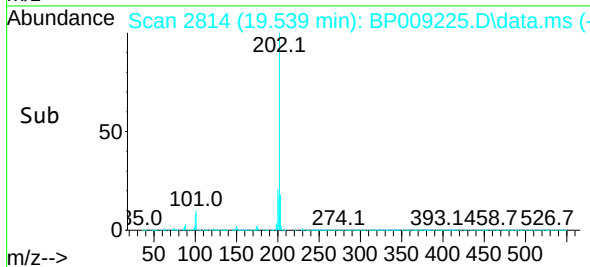
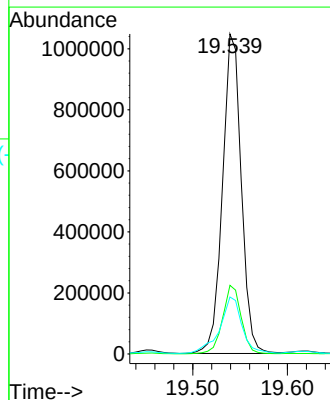
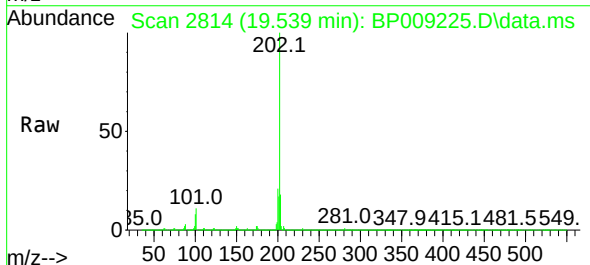
Instrument :
BNA_P
ClientSampleId :
SB-4R-E(0-0.5)

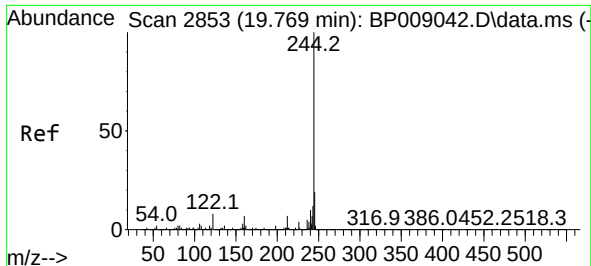
Tgt Ion:240 Resp: 1394759
Ion Ratio Lower Upper
240 100
120 8.7 7.7 11.5
236 26.0 21.2 31.8



#78
Pyrene
Concen: 14.541 ng
RT: 19.539 min Scan# 2814
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:202 Resp: 1442698
Ion Ratio Lower Upper
202 100
200 21.4 18.0 27.0
203 17.8 15.0 22.6

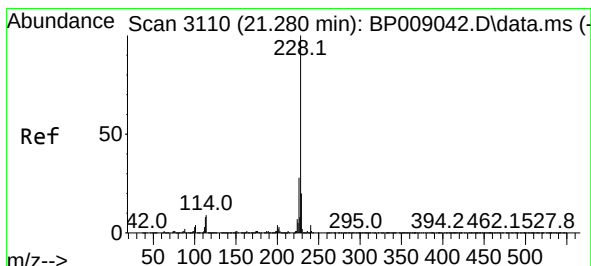
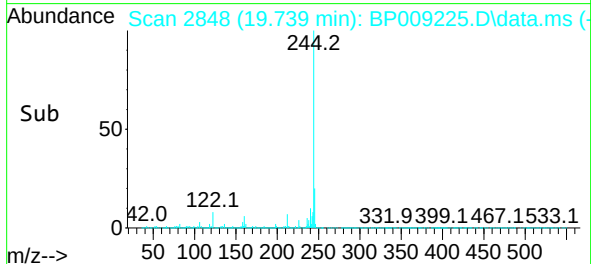
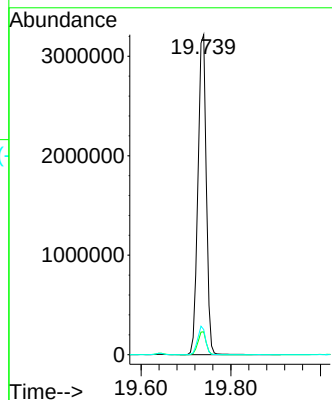
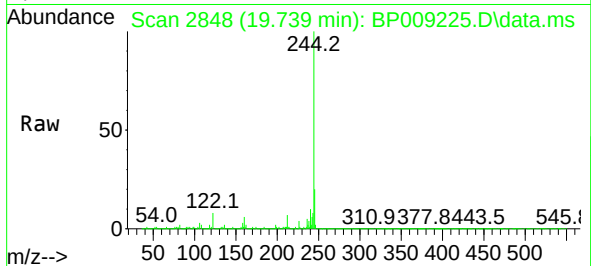




#79
 Terphenyl-d14
 Concen: 53.346 ng
 RT: 19.739 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009225.D
 Acq: 18 Feb 2022 21:30

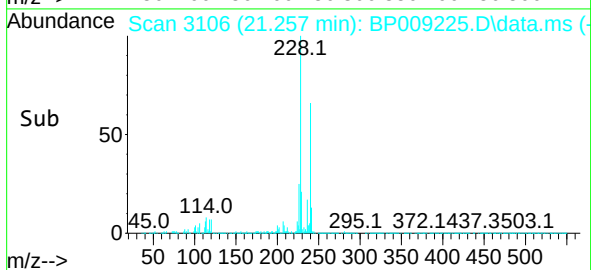
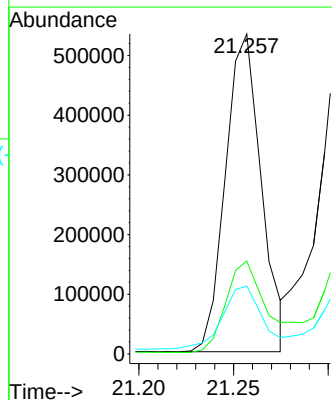
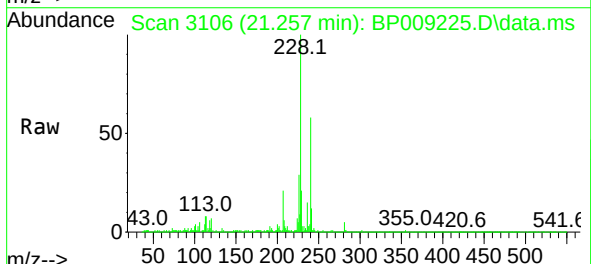
Instrument :
 BNA_P
 ClientSampleId :
 SB-4R-E(0-0.5)

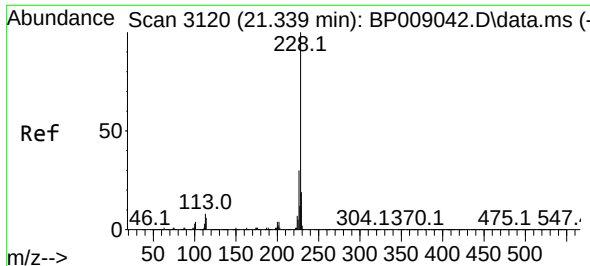
Tgt Ion:244 Resp: 4137414
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 7.8 9.2 13.8#



#81
 Benzo(a)anthracene
 Concen: 7.793 ng
 RT: 21.257 min Scan# 3106
 Delta R.T. -0.006 min
 Lab File: BP009225.D
 Acq: 18 Feb 2022 21:30

Tgt Ion:228 Resp: 700438
 Ion Ratio Lower Upper
 228 100
 226 29.1 23.3 34.9
 229 21.2 17.0 25.6

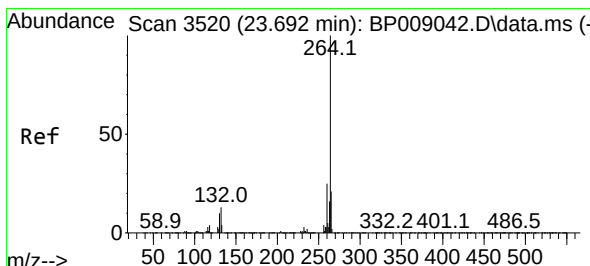
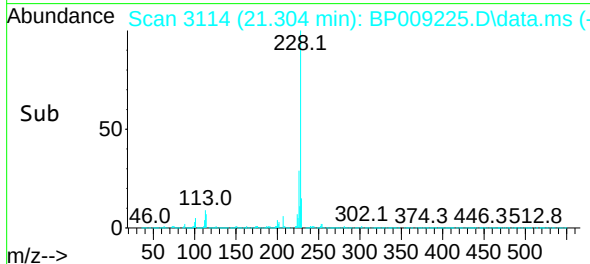
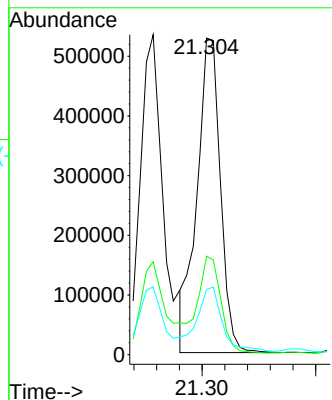
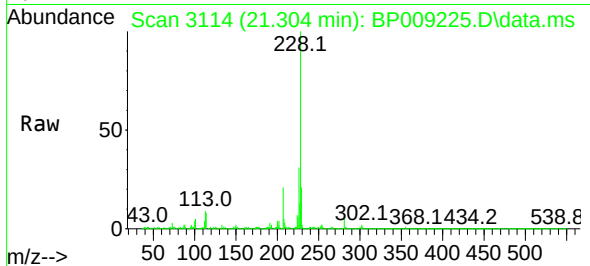




#83
Chrysene
Concen: 8.735 ng
RT: 21.304 min Scan# 3114
Delta R.T. -0.012 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

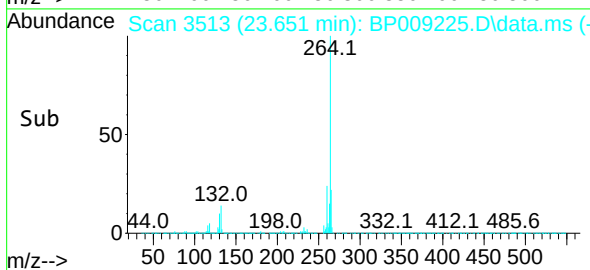
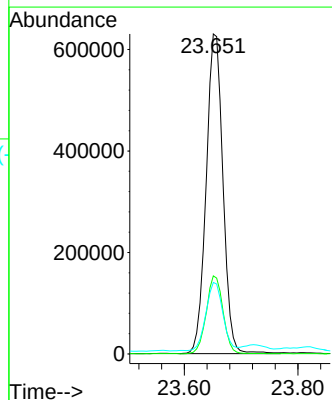
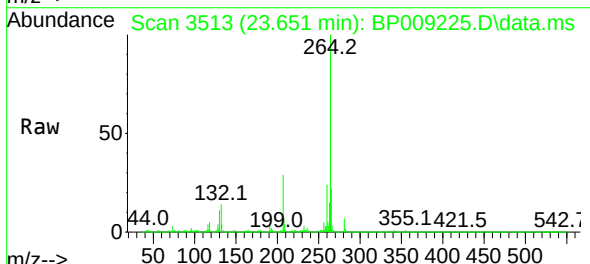
Instrument :
BNA_P
ClientSampleId :
SB-4R-E(0-0.5)

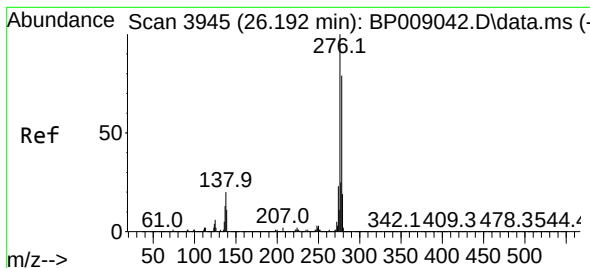
Tgt Ion:228 Resp: 756884
Ion Ratio Lower Upper
228 100
226 31.1 26.0 39.0
229 20.6 16.9 25.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.651 min Scan# 3513
Delta R.T. -0.012 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:264 Resp: 1289001
Ion Ratio Lower Upper
264 100
260 24.4 19.1 28.7
265 22.3 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.537 ng

RT: 26.139 min Scan# 3391

Delta R.T. -0.018 min

Lab File: BP009225.D

Acq: 18 Feb 2022 21:30

Instrument :

BNA_P

ClientSampleId :

SB-4R-E(0-0.5)

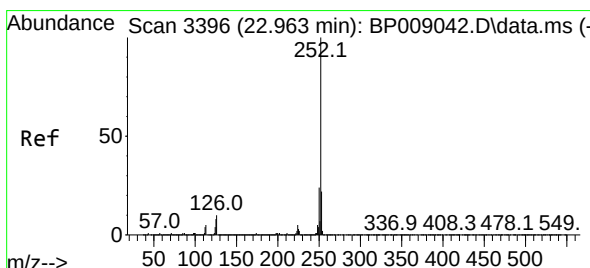
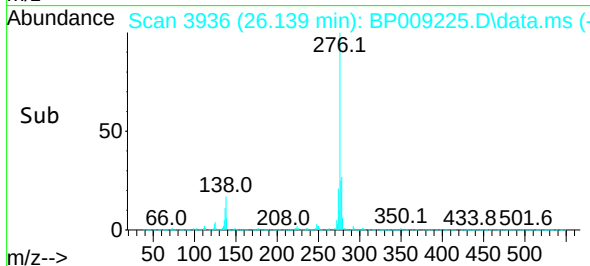
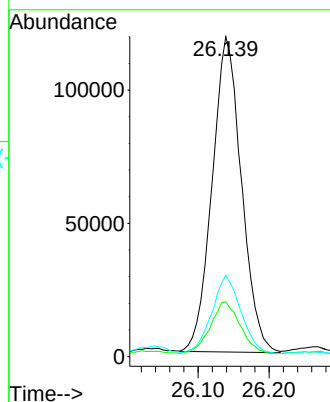
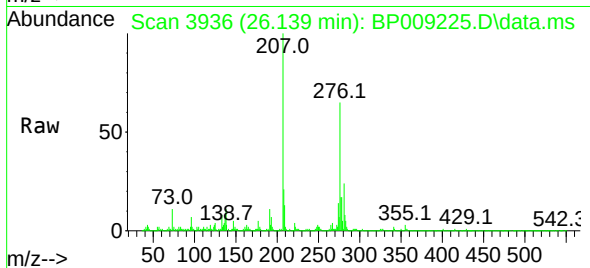
Tgt Ion:276 Resp: 338770

Ion Ratio Lower Upper

276 100

138 16.8 17.8 26.6#

277 24.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 10.108 ng

RT: 22.933 min Scan# 3391

Delta R.T. -0.006 min

Lab File: BP009225.D

Acq: 18 Feb 2022 21:30

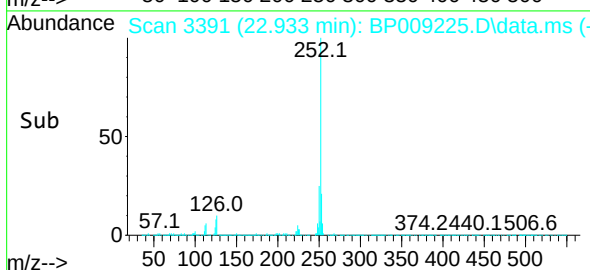
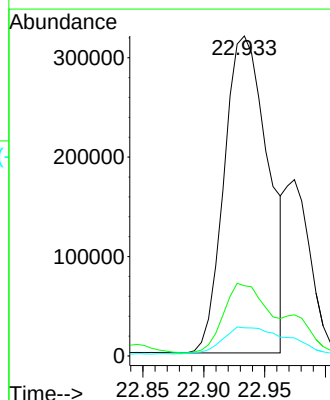
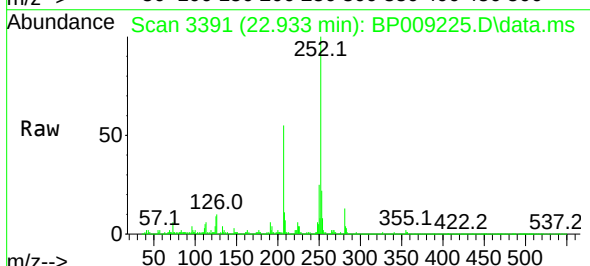
Tgt Ion:252 Resp: 802075

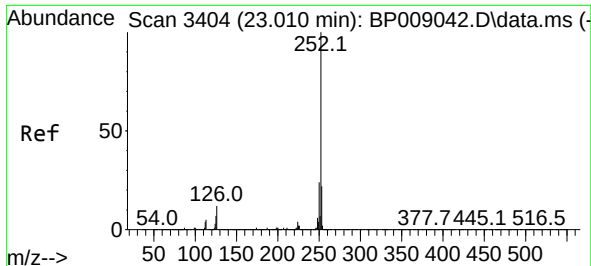
Ion Ratio Lower Upper

252 100

253 22.0 18.0 27.0

125 8.8 6.9 10.3

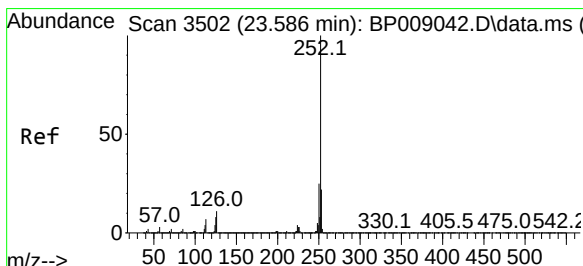
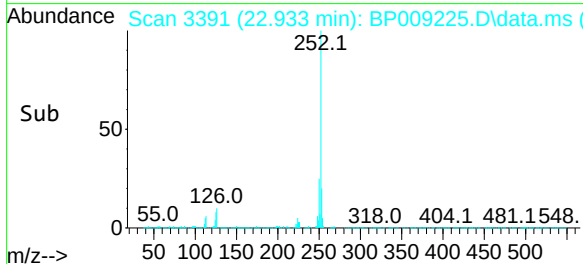
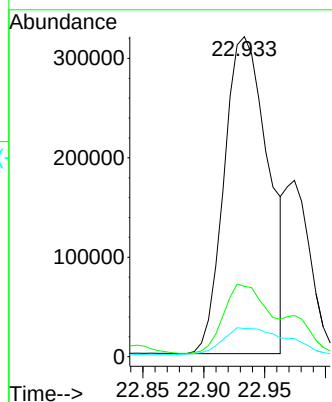
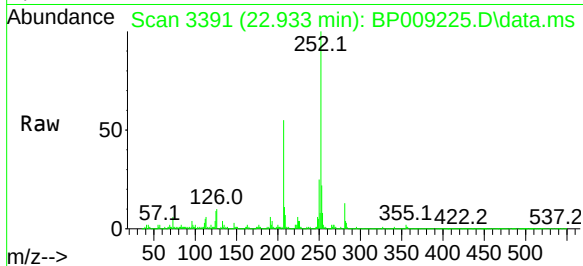




#89
Benzo(k)fluoranthene
Concen: 10.131 ng
RT: 22.933 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

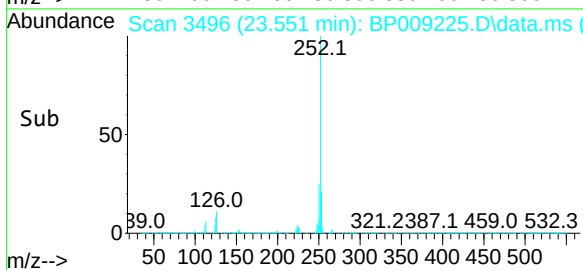
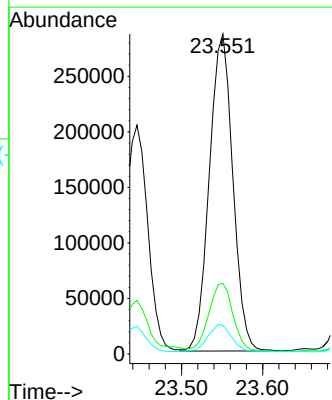
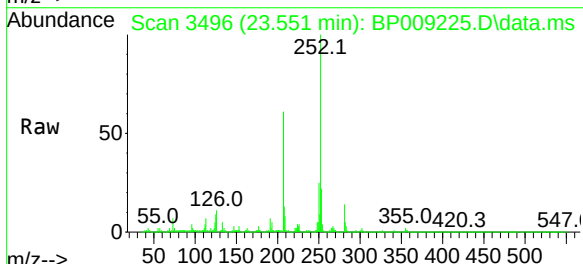
Instrument :
BNA_P
ClientSampleId :
SB-4R-E(0-0.5)

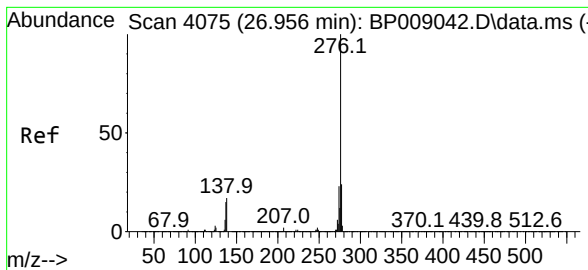
Tgt Ion:252 Resp: 802075
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.2
125 8.8 7.3 10.9



#90
Benzo(a)pyrene
Concen: 8.667 ng
RT: 23.551 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BP009225.D
Acq: 18 Feb 2022 21:30

Tgt Ion:252 Resp: 573418
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 8.8 7.8 11.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.283 ng
 RT: 26.904 min Scan# 4066
 Delta R.T. -0.018 min
 Lab File: BP009225.D
 Acq: 18 Feb 2022 21:30

Instrument :
 BNA_P
 ClientSampleId :
 SB-4R-E(0-0.5)

Tgt Ion:	276	Resp:	335608
Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	17.4	15.0	22.4

