

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120321\
 Data File : BP008215.D
 Acq On : 03 Dec 2021 20:50
 Operator : CG/JU
 Sample : M4915-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-1-7

Quant Time: Dec 06 00:00:54 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 03 14:39:24 2021
 Response via : Initial Calibration

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

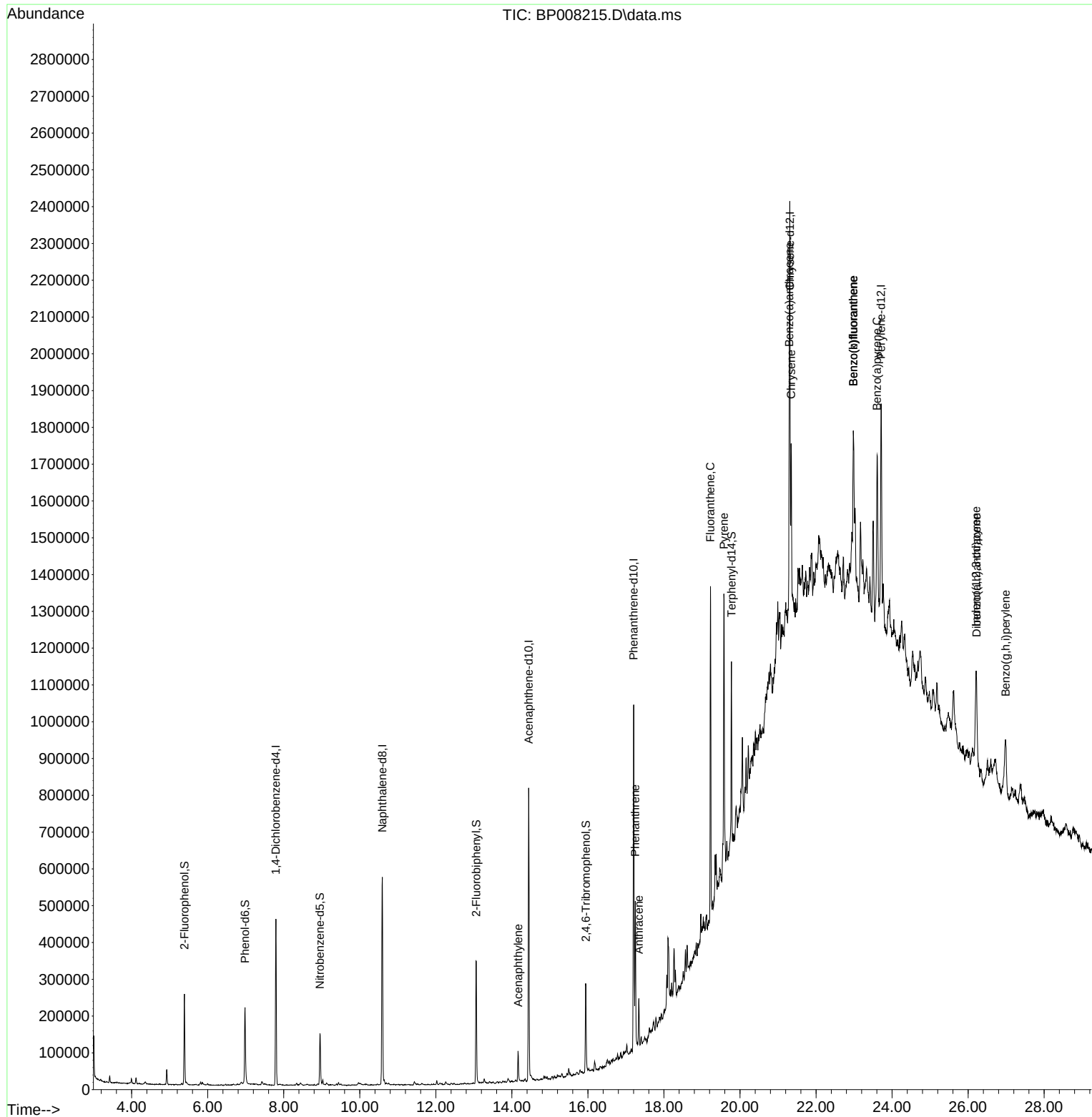
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	115865	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	448927	20.000	ng	0.00
39) Acenaphthene-d10	14.440	164	292290	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	575010	20.000	ng	0.00
76) Chrysene-d12	21.310	240	421162	20.000	ng	0.00
86) Perylene-d12	23.710	264	472104	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	96998	13.479	ng	0.00
7) Phenol-d6	6.981	99	121625	12.520	ng	0.00
23) Nitrobenzene-d5	8.952	82	84614	8.571	ng	-0.01
42) 2,4,6-Tribromophenol	15.945	330	49458	13.238	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	186983	9.292	ng	0.00
79) Terphenyl-d14	19.775	244	224877	11.159	ng	0.00
Target Compounds						
9) Benzaldehyde	6.946	77	882	Below Cal	Qvalue #	65
49) Acenaphthylene	14.163	152	62471	2.418	ng	97
71) Phenanthrene	17.245	178	232993	7.674	ng	99
72) Anthracene	17.339	178	80252	2.664	ng	98
75) Fluoranthene	19.222	202	535153	13.085	ng	99
78) Pyrene	19.575	202	492899	16.970	ng	98
81) Benzo(a)anthracene	21.292	228	297334	10.652	ng	97
83) Chrysene	21.345	228	270238	10.174	ng	96
87) Indeno(1,2,3-cd)pyrene	26.210	276	243905	7.101	ng	# 94
88) Benzo(b)fluoranthene	22.980	252	415448	14.597	ng	# 94
89) Benzo(k)fluoranthene	22.980	252	415448	14.910	ng	# 94
90) Benzo(a)pyrene	23.604	252	297237	12.220	ng	# 94
91) Dibenzo(a,h)anthracene	26.221	278	63247	2.217	ng	# 81
92) Benzo(g,h,i)perylene	26.986	276	233967	8.130	ng	97

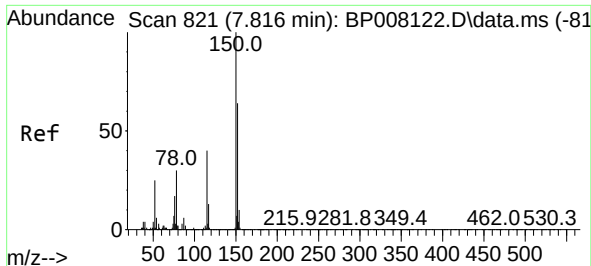
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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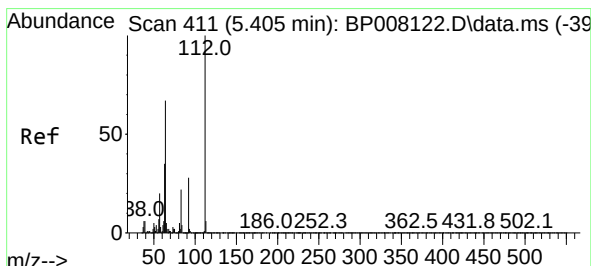
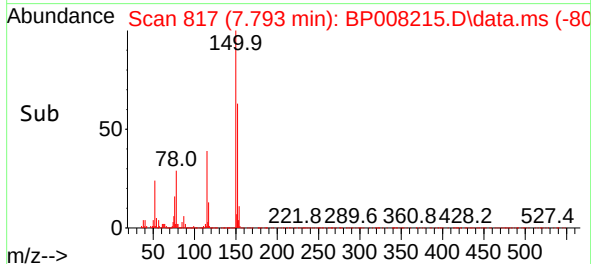
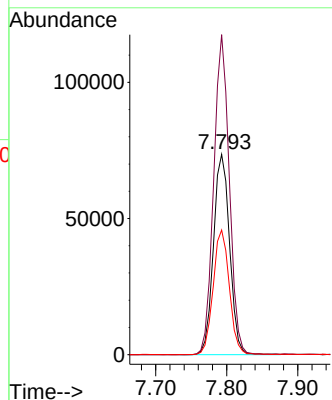
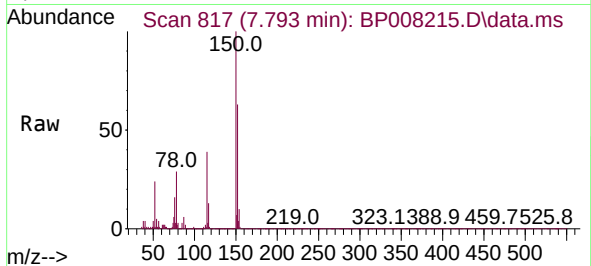




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

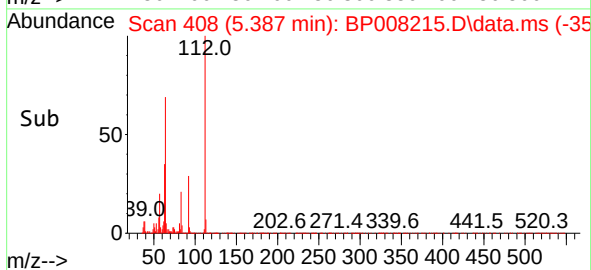
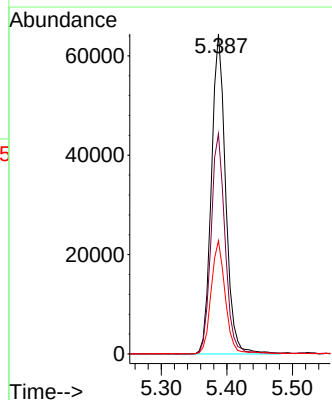
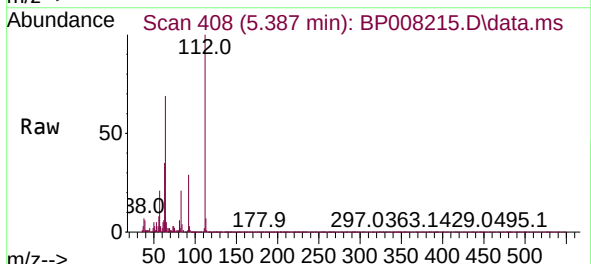
Instrument :
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B-1-7

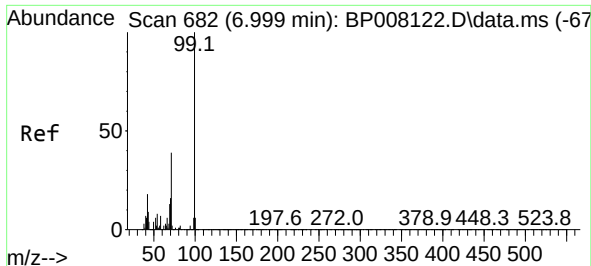
Tgt Ion:152 Resp: 115865
Ion Ratio Lower Upper
152 100
150 159.7 125.7 188.5
115 62.2 50.7 76.1



#5
2-Fluorophenol
Concen: 13.479 ng
RT: 5.387 min Scan# 408
Delta R.T. 0.000 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

Tgt Ion:112 Resp: 96998
Ion Ratio Lower Upper
112 100
64 68.8 53.4 80.2
63 35.4 27.8 41.8

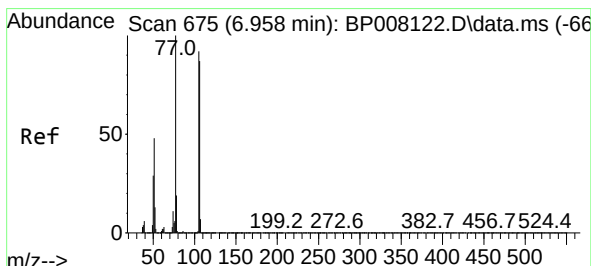
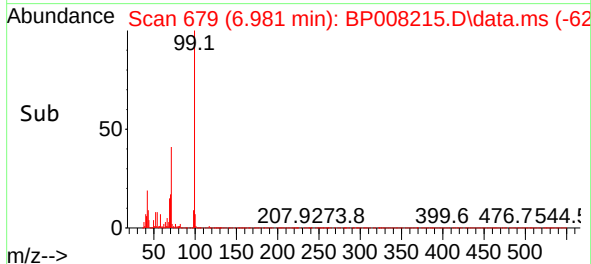
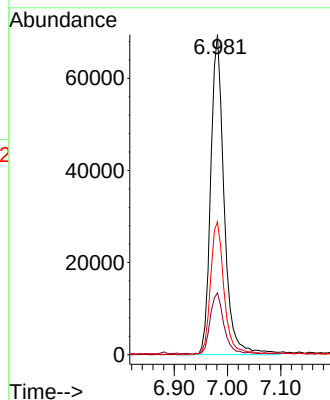
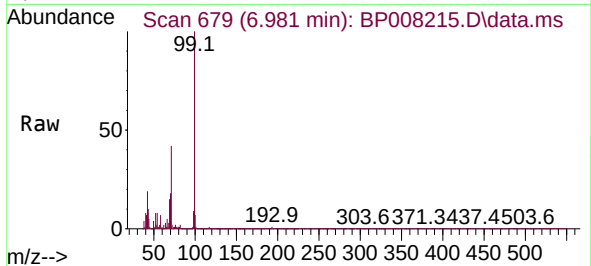




#7
Phenol-d6
Concen: 12.520 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

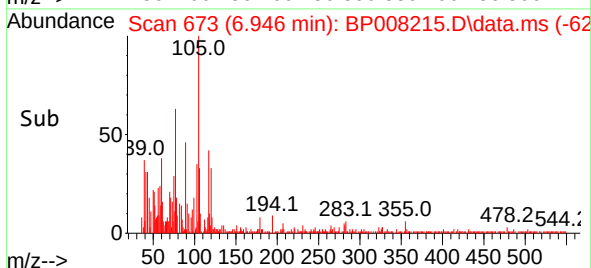
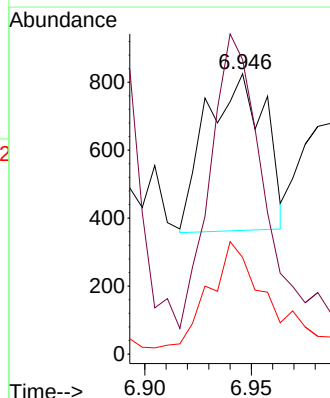
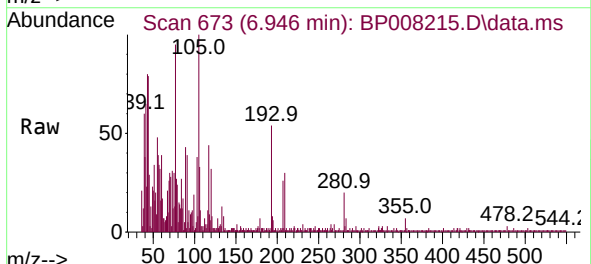
Instrument :
BNA_P
ClientSampleId :
B-1-7

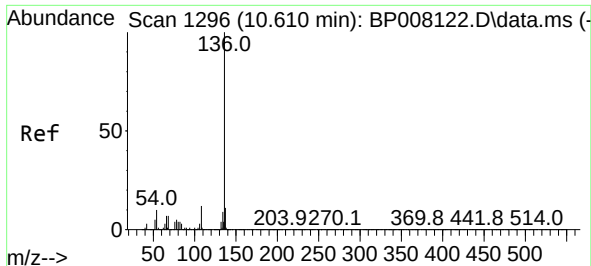
Tgt Ion: 99 Resp: 121625
Ion Ratio Lower Upper
99 100
42 19.3 14.6 22.0
71 41.5 31.1 46.7



#9
Benzaldehyde
Concen: Below Cal
RT: 6.946 min Scan# 673
Delta R.T. 0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

Tgt Ion: 77 Resp: 882
Ion Ratio Lower Upper
77 100
105 105.0 71.8 111.8
106 34.4 67.3 107.3#

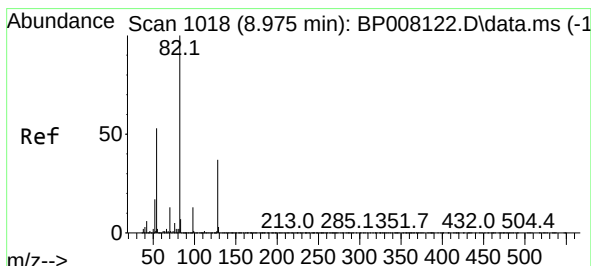
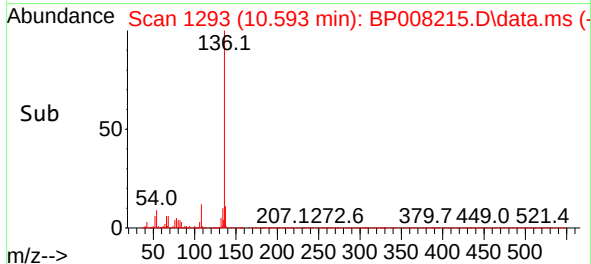
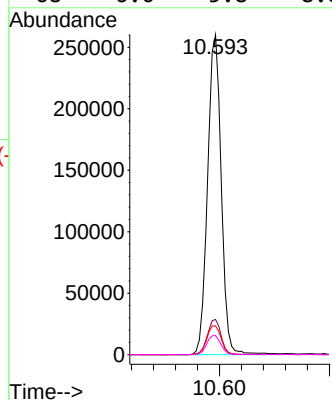
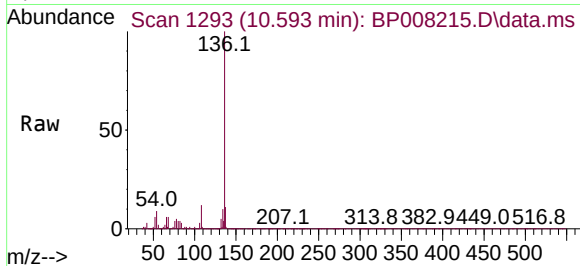




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

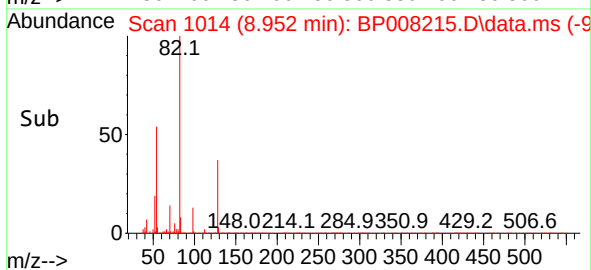
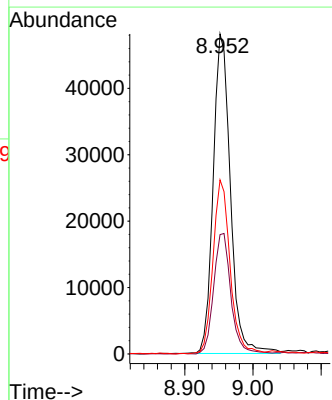
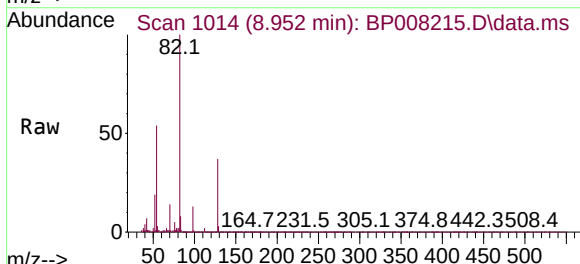
Instrument :
BNA_P
ClientSampleId :
B-1-7

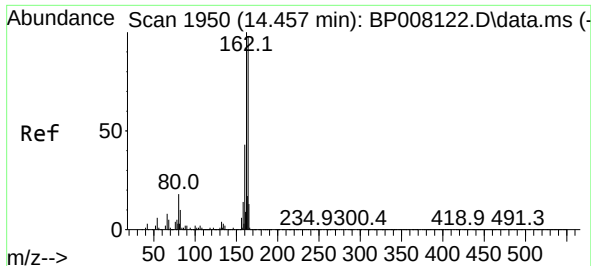
Tgt Ion:	136	Resp:	448927
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.6
54	9.0	8.2	12.4
68	6.0	5.8	8.8



#23
Nitrobenzene-d5
Concen: 8.571 ng
RT: 8.952 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

Tgt Ion:	82	Resp:	84614
Ion Ratio	Lower	Upper	
82	100		
128	37.3	29.6	44.4
54	54.4	42.7	64.1

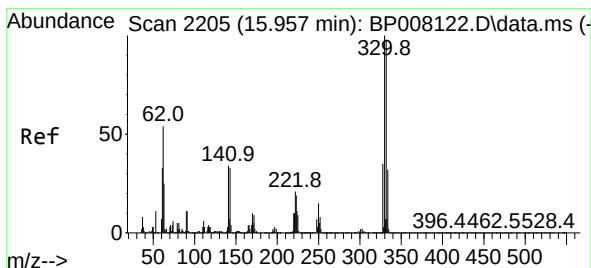
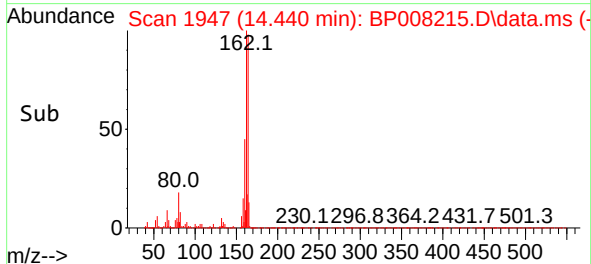
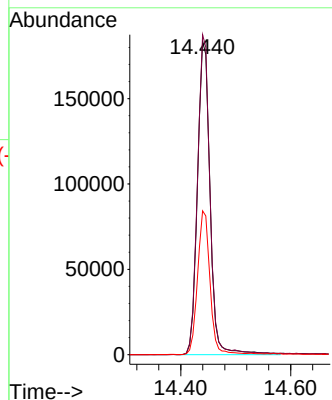
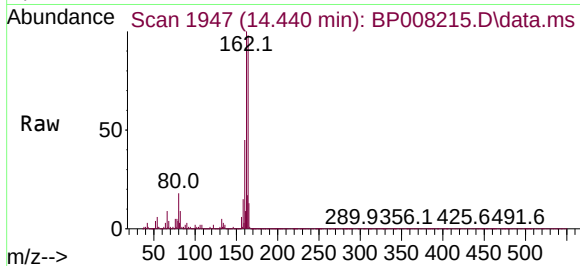




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.440 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

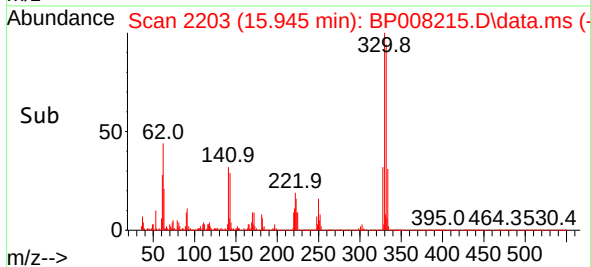
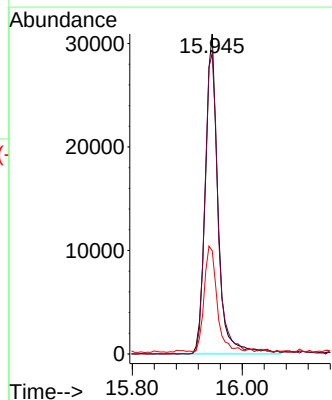
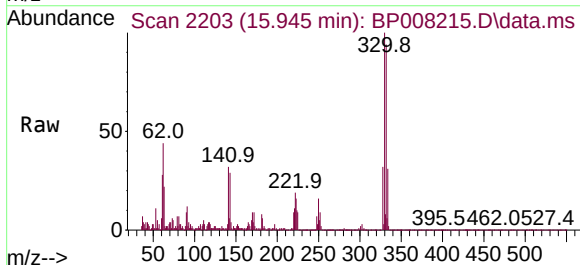
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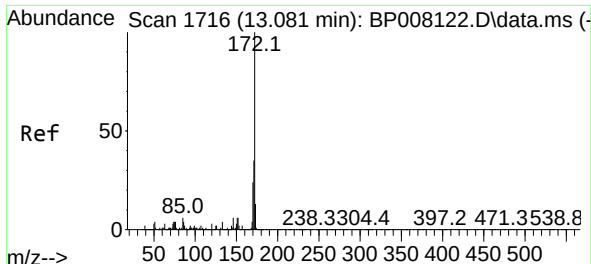
Tgt Ion:164 Resp: 292290
Ion Ratio Lower Upper
164 100
162 102.1 81.9 122.9
160 45.9 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 13.238 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

Tgt Ion:330 Resp: 49458
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 33.4 28.4 42.6

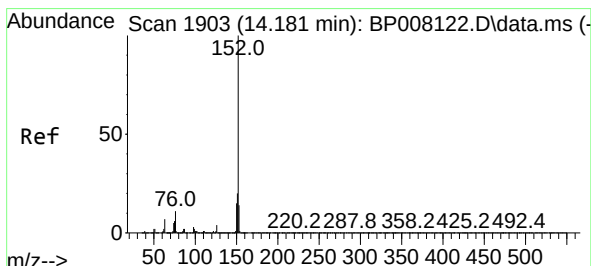
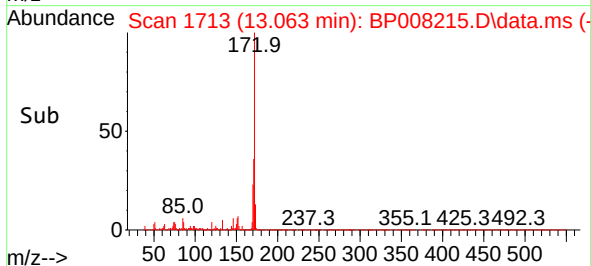
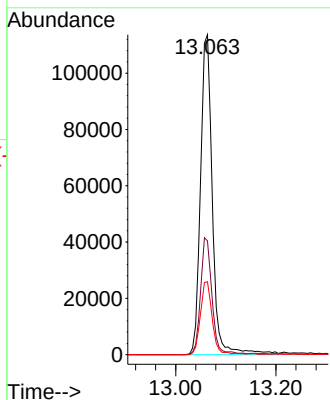
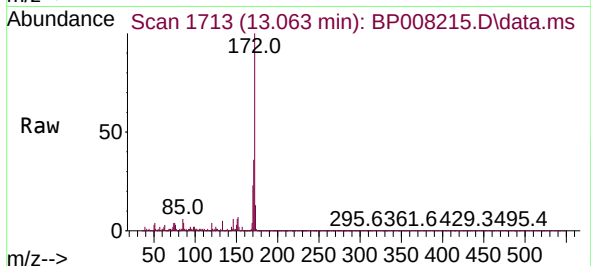




#45
2-Fluorobiphenyl
Concen: 9.292 ng
RT: 13.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

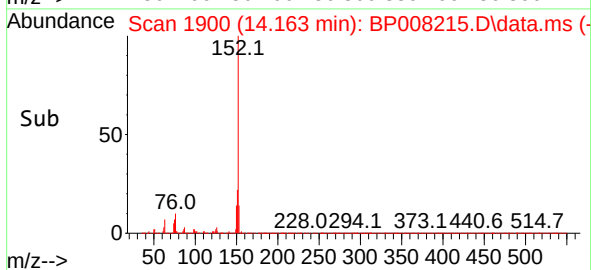
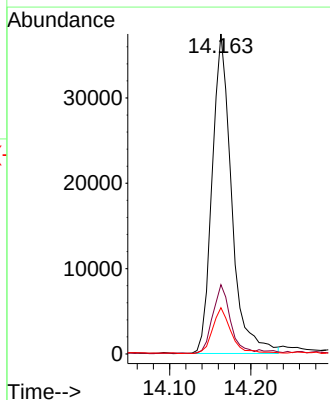
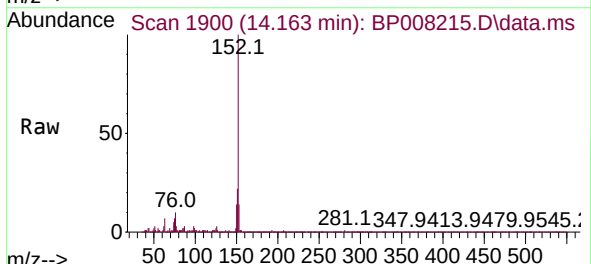
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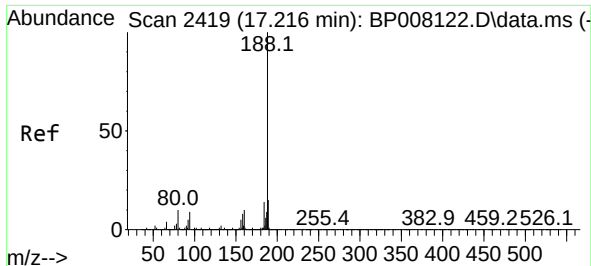
Tgt Ion:172 Resp: 186983
Ion Ratio Lower Upper
172 100
171 35.6 28.0 42.0
170 22.8 18.9 28.3



#49
Acenaphthylene
Concen: 2.418 ng
RT: 14.163 min Scan# 1900
Delta R.T. -0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

Tgt Ion:152 Resp: 62471
Ion Ratio Lower Upper
152 100
151 21.7 16.2 24.4
153 14.5 10.9 16.3

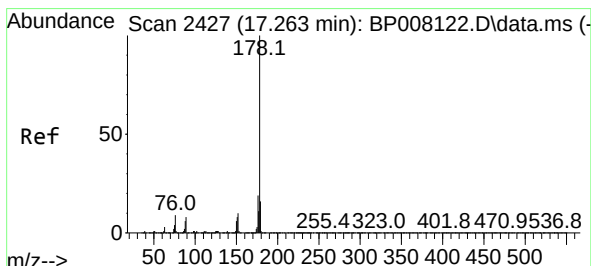
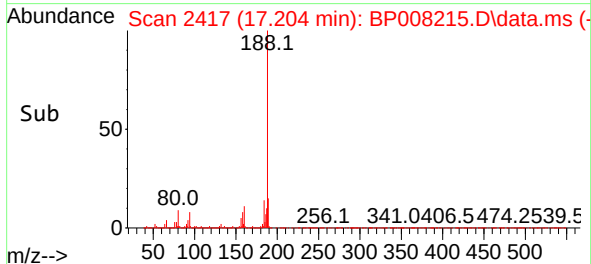
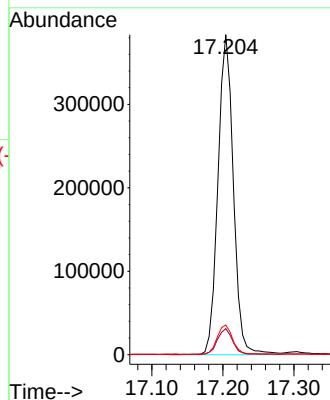
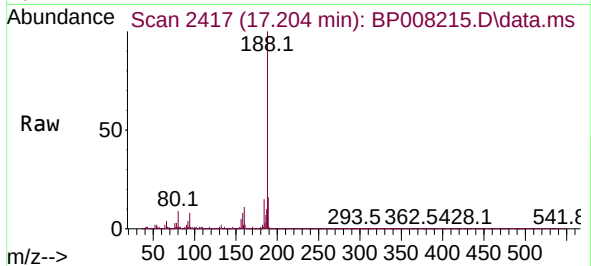




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

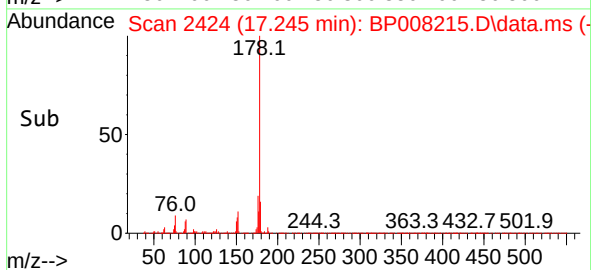
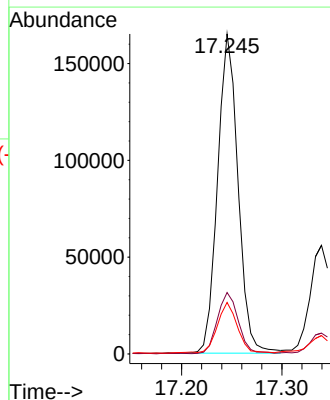
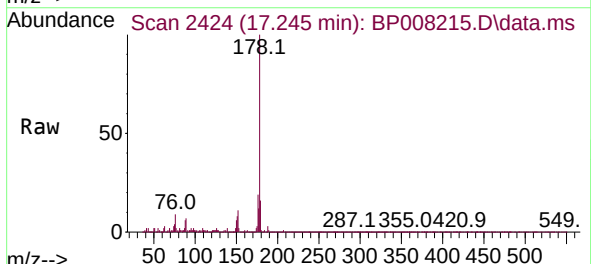
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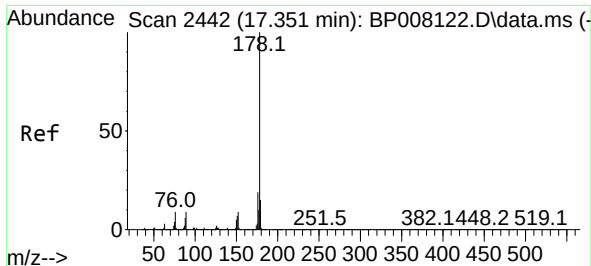
Tgt Ion:188 Resp: 575010
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 9.3 8.2 12.4



#71
Phenanthrene
Concen: 7.674 ng
RT: 17.245 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

Tgt Ion:178 Resp: 232993
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 16.1 12.5 18.7

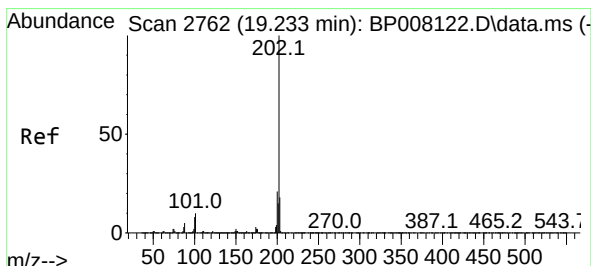
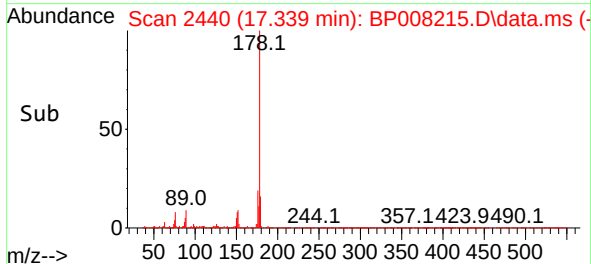
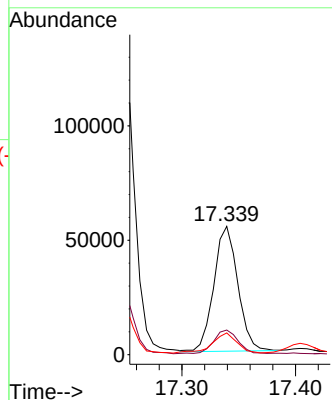
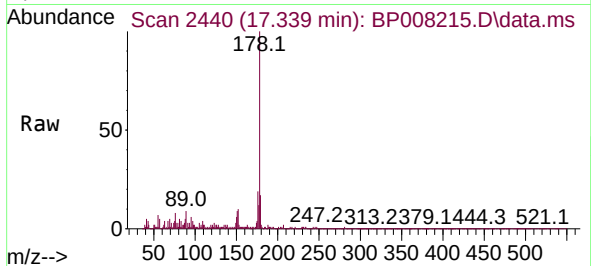




#72
 Anthracene
 Concen: 2.664 ng
 RT: 17.339 min Scan# 2442
 Delta R.T. -0.006 min
 Lab File: BP008215.D
 Acq: 03 Dec 2021 20:50

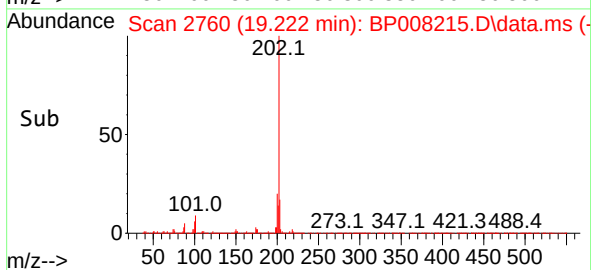
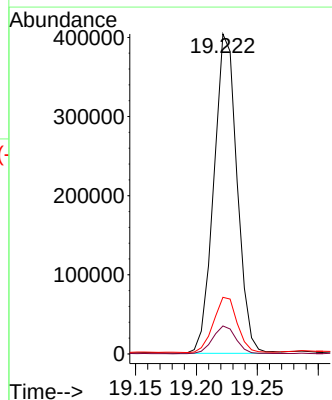
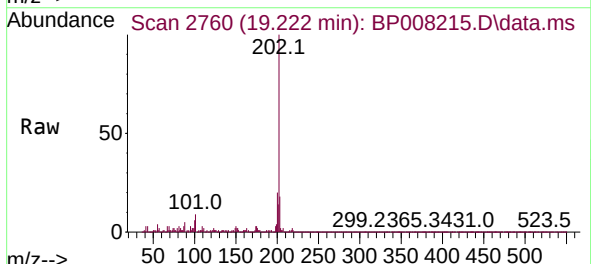
Instrument :
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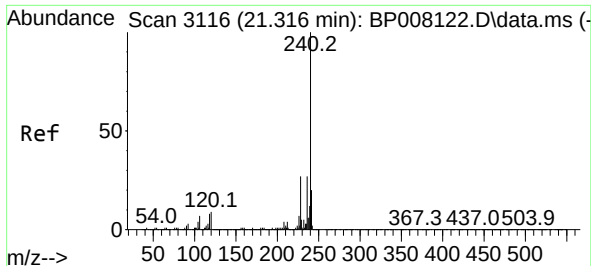
Tgt Ion:178 Resp: 80252
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.1 22.7
 179 17.0 12.3 18.5



#75
 Fluoranthene
 Concen: 13.085 ng
 RT: 19.222 min Scan# 2760
 Delta R.T. -0.012 min
 Lab File: BP008215.D
 Acq: 03 Dec 2021 20:50

Tgt Ion:202 Resp: 535153
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 29.8
 203 17.7 0.0 37.7

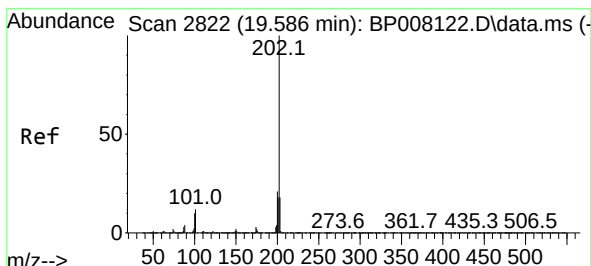
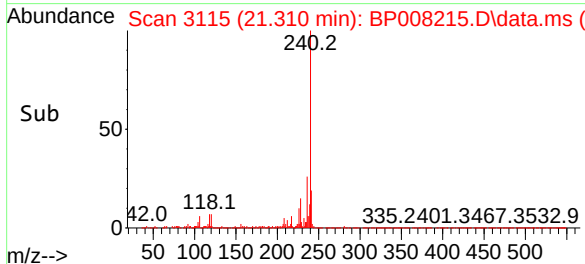
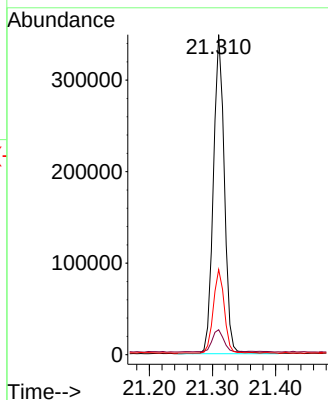
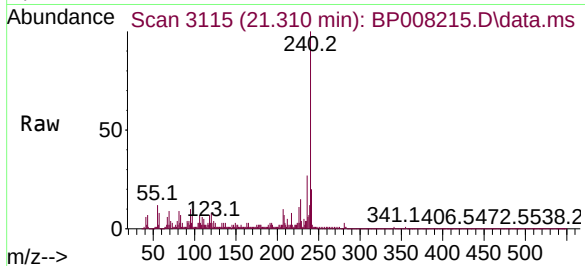




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

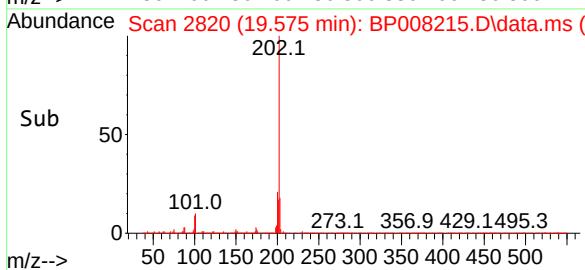
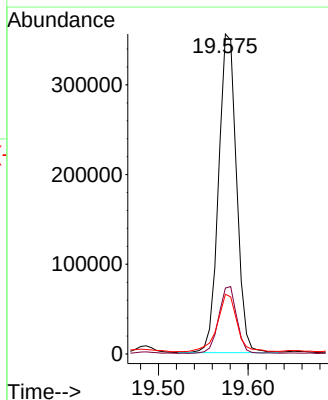
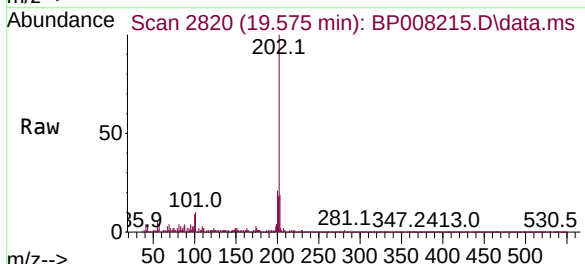
Instrument :
BNA_P
ClientSampleId :
B-1-7

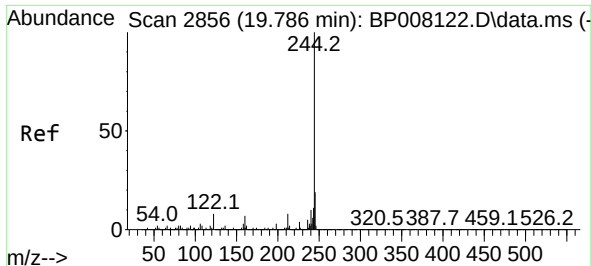
Tgt Ion:240 Resp: 421162
Ion Ratio Lower Upper
240 100
120 7.8 7.3 10.9
236 26.6 21.4 32.2



#78
Pyrene
Concen: 16.970 ng
RT: 19.575 min Scan# 2820
Delta R.T. -0.012 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

Tgt Ion:202 Resp: 492899
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 18.7 14.2 21.2

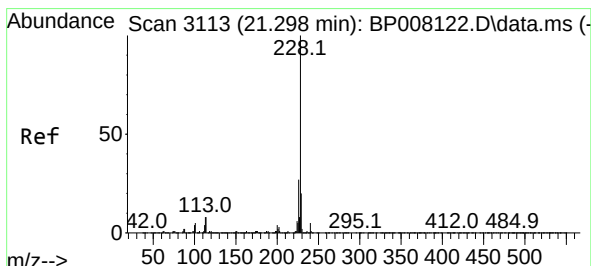
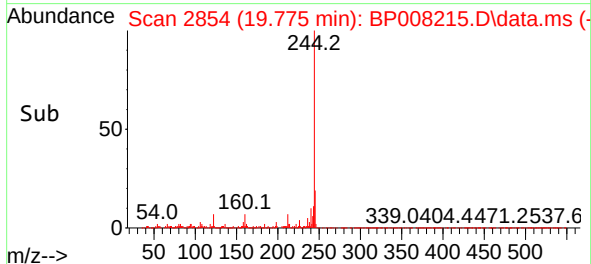
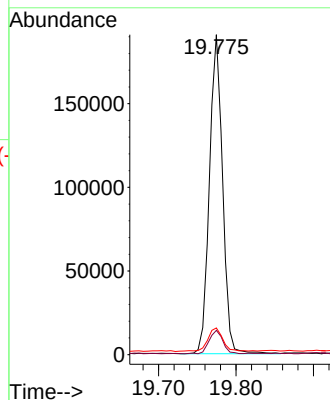
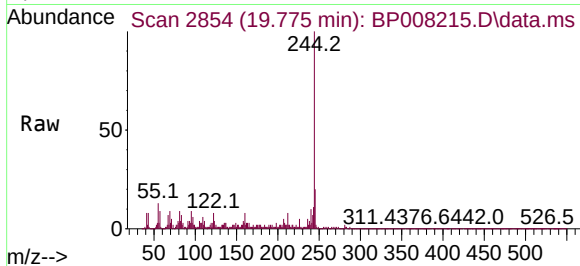




#79
 Terphenyl-d14
 Concen: 11.159 ng
 RT: 19.775 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP008215.D
 Acq: 03 Dec 2021 20:50

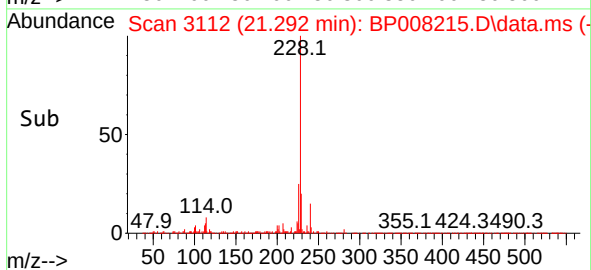
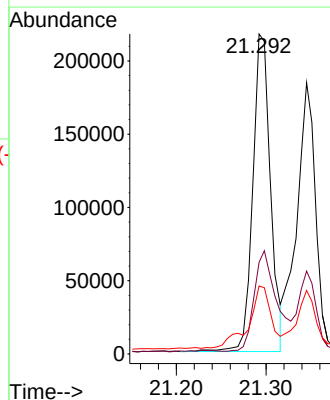
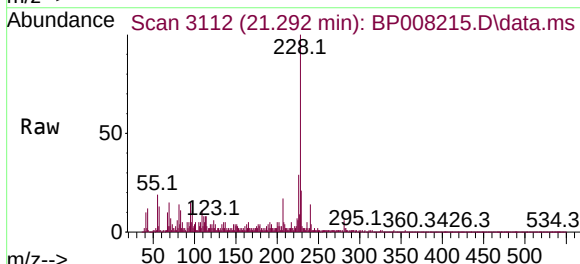
Instrument :
 BNA_P
 ClientSampleId :
 B-1-7

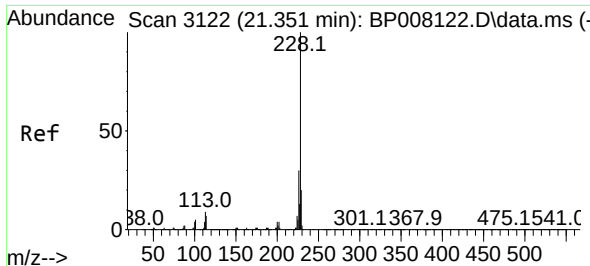
Tgt Ion:	244	Resp:	224877
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	8.3	6.6	9.8



#81
 Benzo(a)anthracene
 Concen: 10.652 ng
 RT: 21.292 min Scan# 3112
 Delta R.T. -0.006 min
 Lab File: BP008215.D
 Acq: 03 Dec 2021 20:50

Tgt Ion:	228	Resp:	297334
Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.9	32.9
229	21.2	15.9	23.9

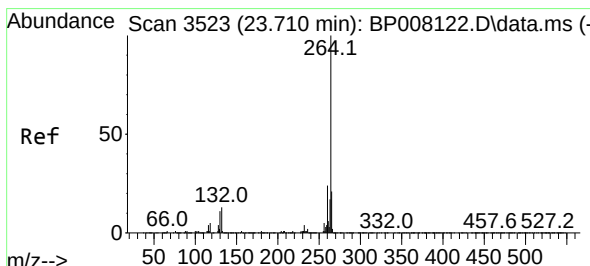
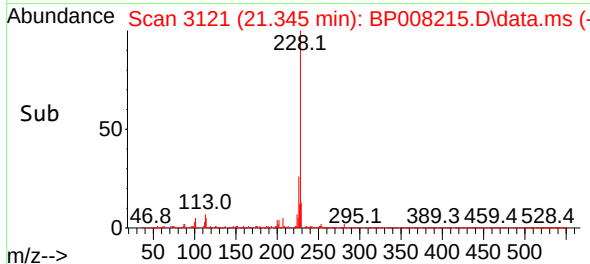
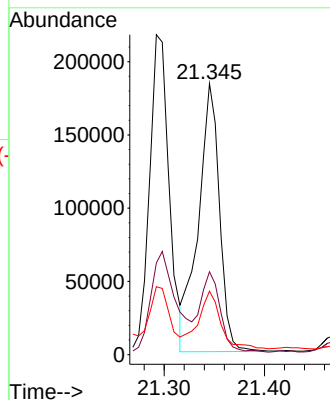
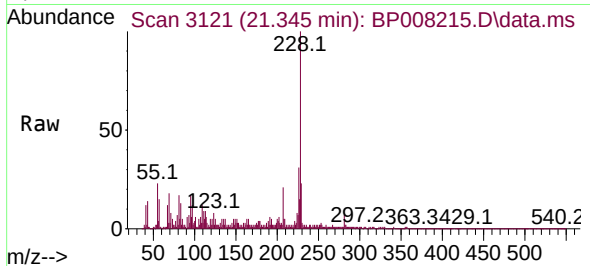




#83
Chrysene
Concen: 10.174 ng
RT: 21.345 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

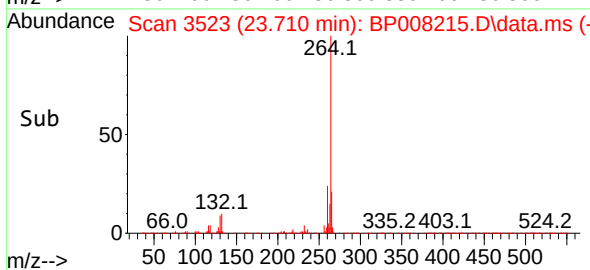
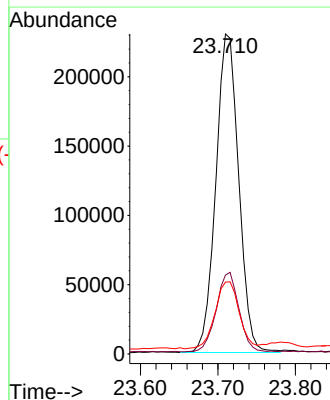
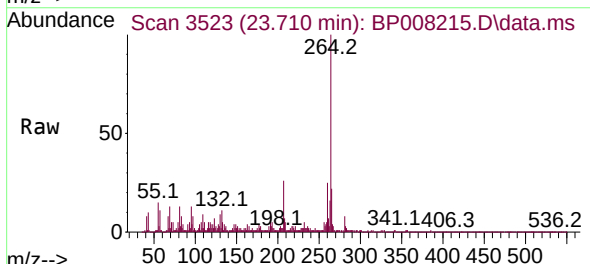
Instrument :
BNA_P
ClientSampleId :
B-1-7

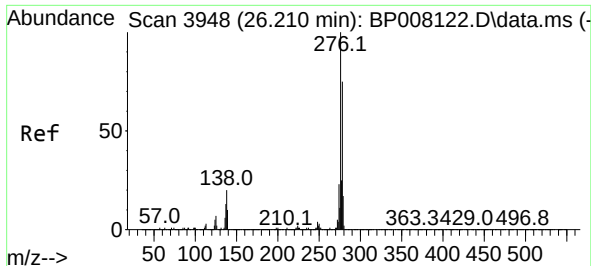
Tgt Ion:	228	Resp:	270238
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.0	36.0
229	23.4	15.8	23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.710 min Scan# 3523
Delta R.T. -0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

Tgt Ion:	264	Resp:	472104
Ion Ratio	Lower	Upper	
264	100		
260	24.7	19.4	29.2
265	22.5	17.6	26.4

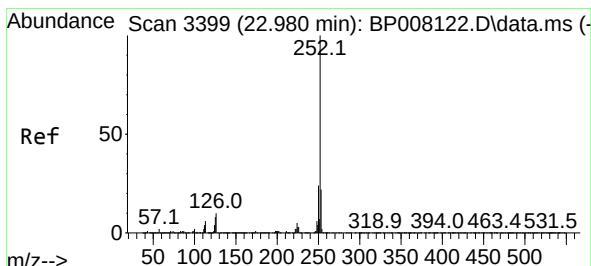
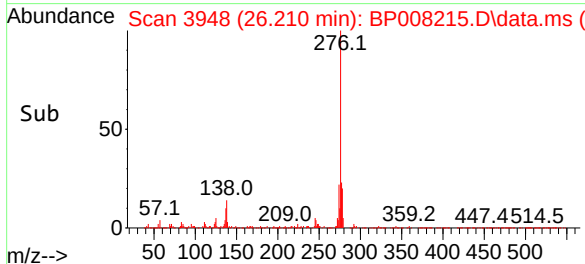
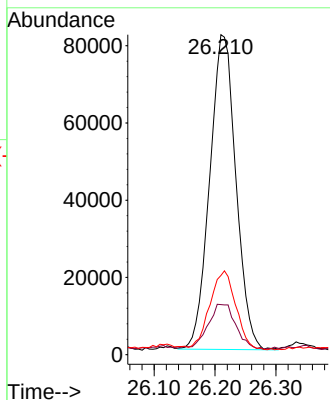
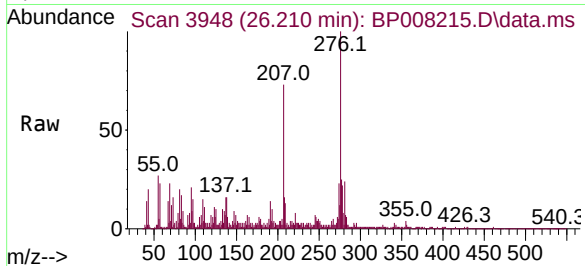




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.101 ng
 RT: 26.210 min Scan# 3948
 Delta R.T. -0.018 min
 Lab File: BP008215.D
 Acq: 03 Dec 2021 20:50

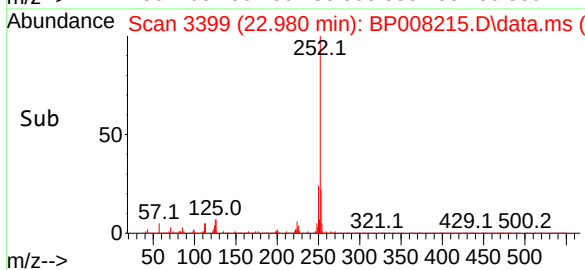
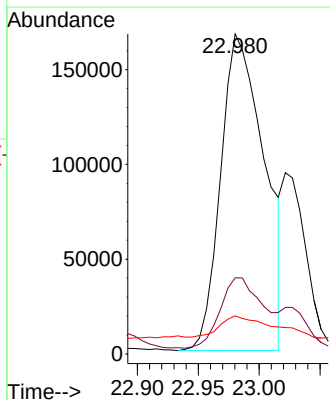
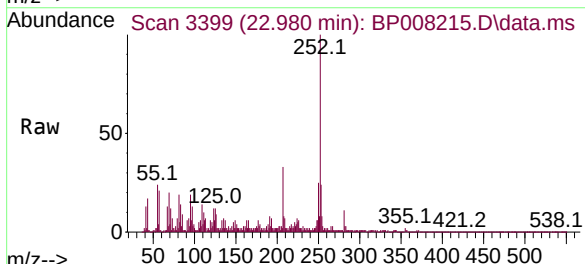
Instrument :
 BNA_P
 ClientSampleId :
 B-1-7

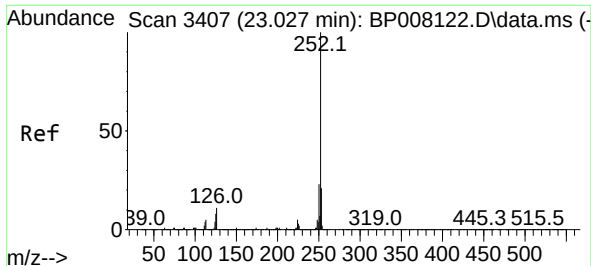
Tgt Ion: 276 Resp: 243905
 Ion Ratio Lower Upper
 276 100
 138 15.3 16.6 25.0#
 277 25.0 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 14.597 ng
 RT: 22.980 min Scan# 3399
 Delta R.T. -0.006 min
 Lab File: BP008215.D
 Acq: 03 Dec 2021 20:50

Tgt Ion: 252 Resp: 415448
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.7 26.5
 125 11.9 6.2 9.4#

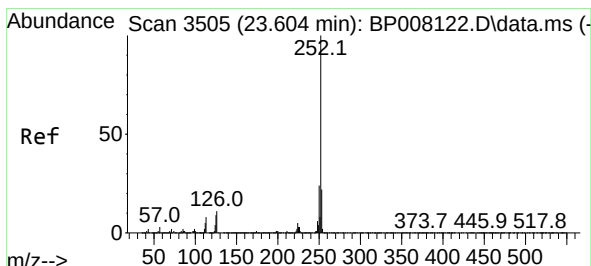
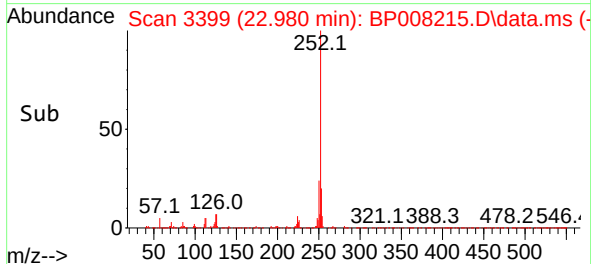
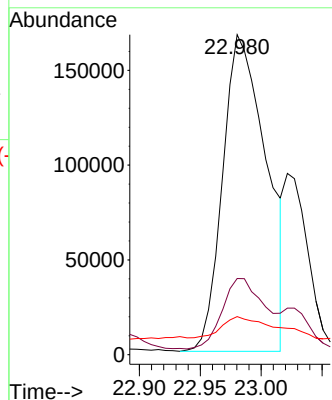
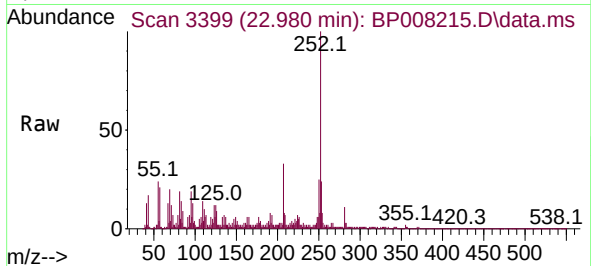




#89
Benzo(k)fluoranthene
Concen: 14.910 ng
RT: 22.980 min Scan# 31
Delta R.T. -0.053 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

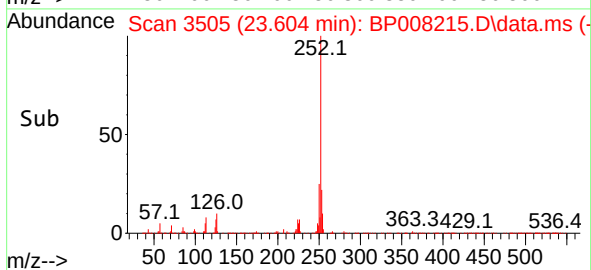
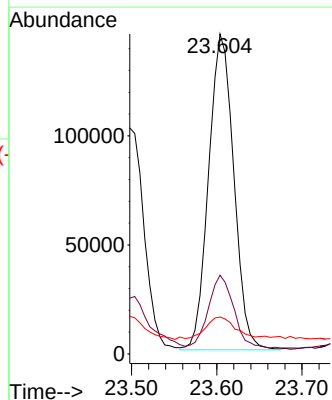
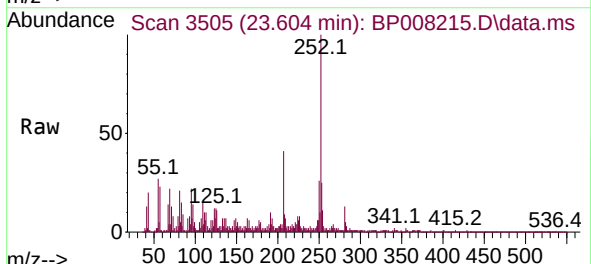
Instrument :
BNA_P
ClientSampleId :
B-1-7

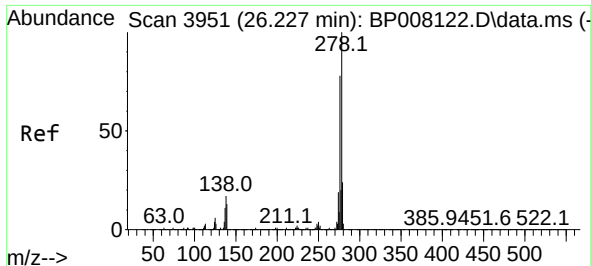
Tgt Ion:252 Resp: 415448
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 11.9 6.5 9.7#



#90
Benzo(a)pyrene
Concen: 12.220 ng
RT: 23.604 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

Tgt Ion:252 Resp: 297237
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 11.6 7.4 11.0#

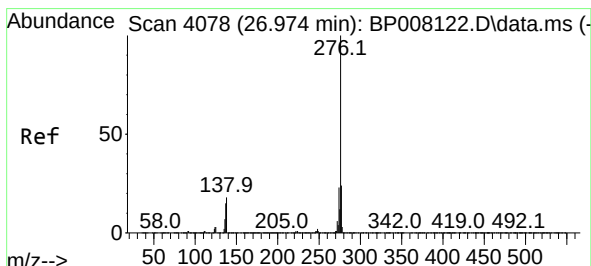
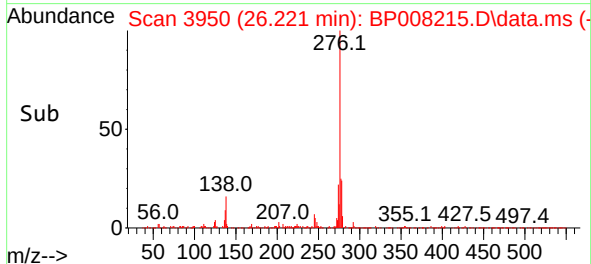
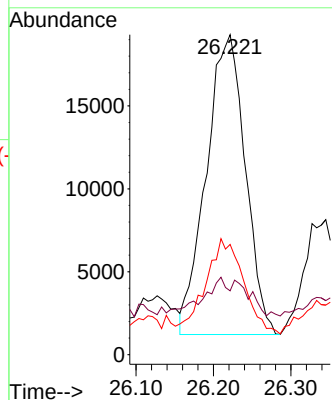
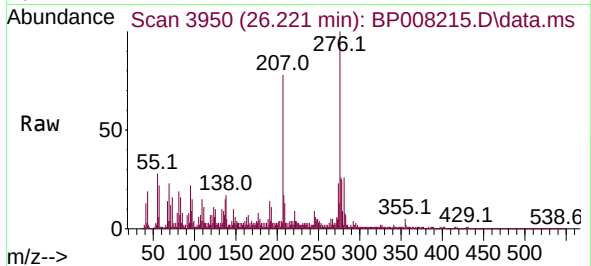




#91
Dibenzo(a,h)anthracene
Concen: 2.217 ng
RT: 26.221 min Scan# 3950
Delta R.T. -0.012 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

Instrument :
BNA_P
ClientSampleId :
B-1-7

Tgt Ion: 278 Resp: 63247
Ion Ratio Lower Upper
278 100
139 20.0 10.8 16.2#
279 34.5 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 8.130 ng
RT: 26.986 min Scan# 4080
Delta R.T. -0.012 min
Lab File: BP008215.D
Acq: 03 Dec 2021 20:50

Tgt Ion: 276 Resp: 233967
Ion Ratio Lower Upper
276 100
277 24.1 20.0 30.0
138 15.4 14.1 21.1

