

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120221\
 Data File : BP008200.D
 Acq On : 02 Dec 2021 20:00
 Operator : CG/JU
 Sample : M4876-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-120121

Quant Time: Dec 03 03:37:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 01 12:06:05 2021
 Response via : Initial Calibration

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

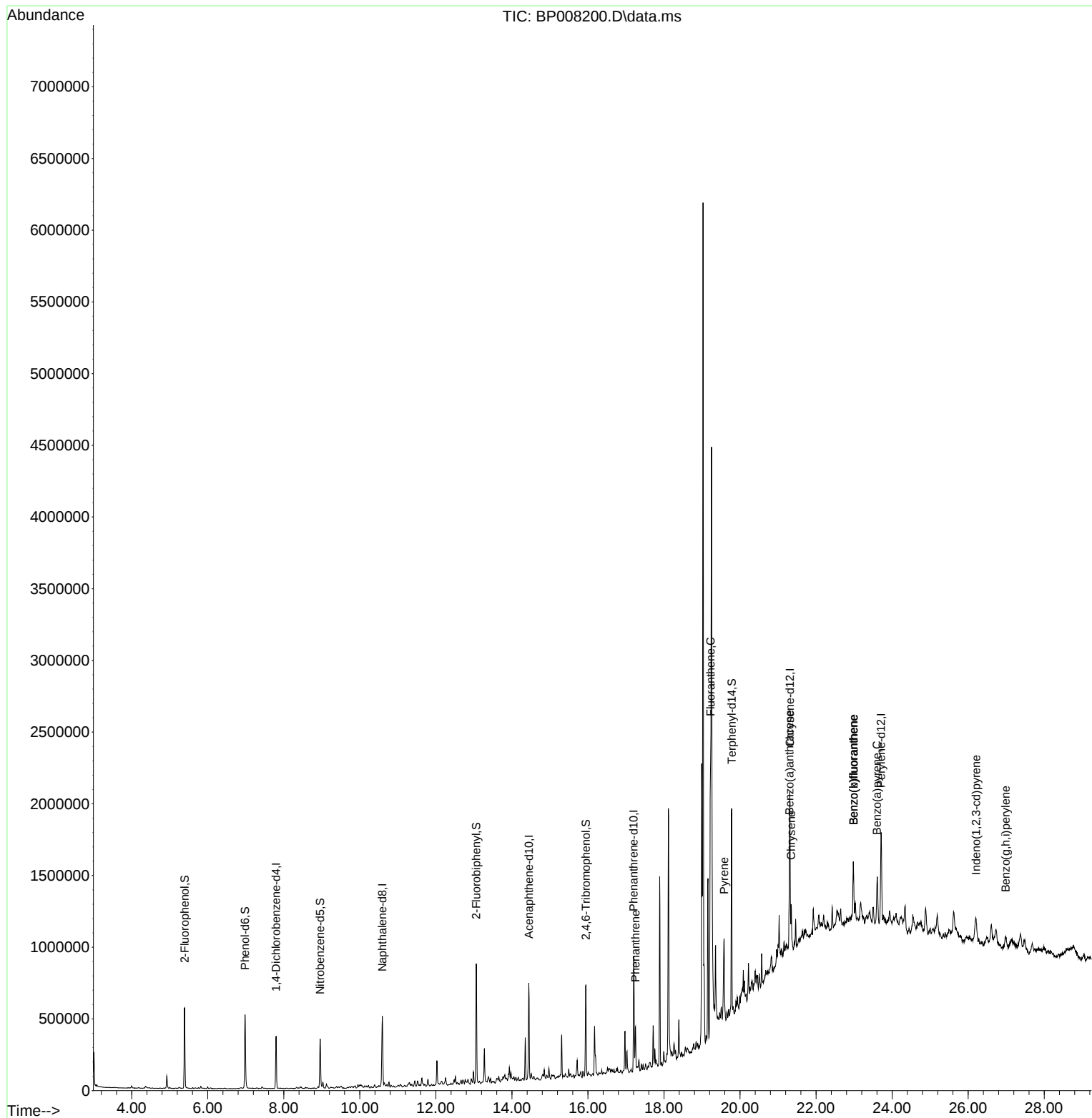
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	93956	20.000	ng	-0.02
21) Naphthalene-d8	10.593	136	354884	20.000	ng	-0.02
39) Acenaphthene-d10	14.445	164	223901	20.000	ng	-0.01
64) Phenanthrene-d10	17.204	188	474570	20.000	ng	-0.01
76) Chrysene-d12	21.310	240	477355	20.000	ng	0.00
86) Perylene-d12	23.710	264	521094	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	224803	38.524	ng	-0.01
7) Phenol-d6	6.981	99	290771	36.912	ng	-0.02
23) Nitrobenzene-d5	8.957	82	201972	25.880	ng	-0.02
42) 2,4,6-Tribromophenol	15.945	330	119977	41.923	ng	-0.01
45) 2-Fluorobiphenyl	13.063	172	424631	27.548	ng	-0.02
79) Terphenyl-d14	19.780	244	662351	28.999	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.928	77	182	Below Cal	#	53
71) Phenanthrene	17.251	178	187010	7.464	ng	98
75) Fluoranthene	19.227	202	324913	9.626	ng	99
78) Pyrene	19.580	202	315127	8.375	ng	99
81) Benzo(a)anthracene	21.298	228	155571	4.917	ng	# 92
83) Chrysene	21.345	228	164700	5.471	ng	# 94
87) Indeno(1,2,3-cd)pyrene	26.209	276	105594	2.785	ng	# 94
88) Benzo(b)fluoranthene	22.986	252	203023	6.463	ng	# 82
89) Benzo(k)fluoranthene	22.986	252	203023	6.601	ng	# 81
90) Benzo(a)pyrene	23.604	252	140033	5.216	ng	# 89
92) Benzo(g,h,i)perylene	26.986	276	106943	3.367	ng	95

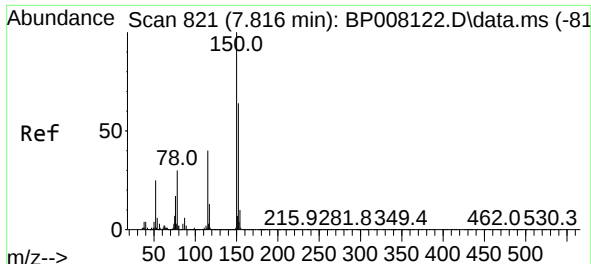
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 03 03:37:27 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP112521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 01 12:06:05 2021
Response via : Initial Calibration

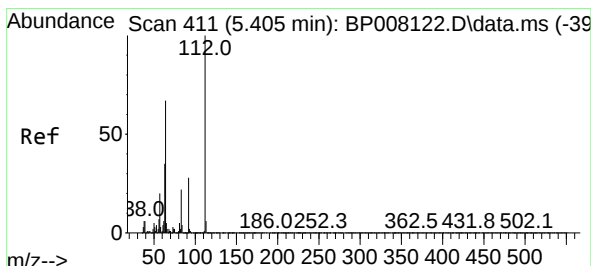
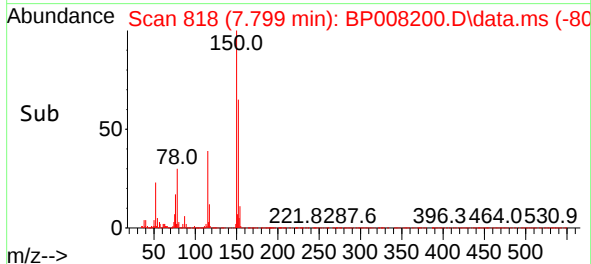
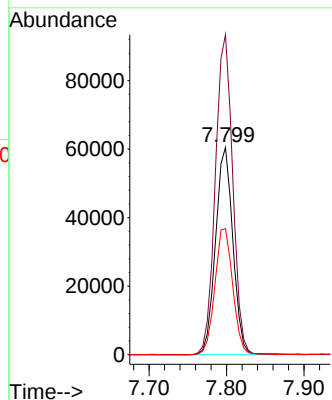
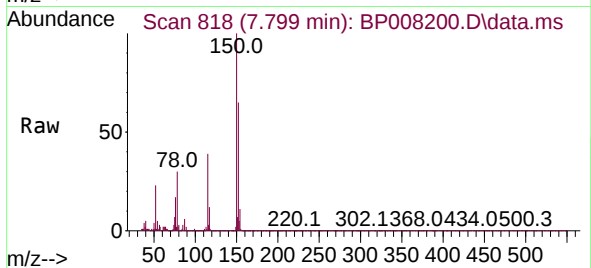




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

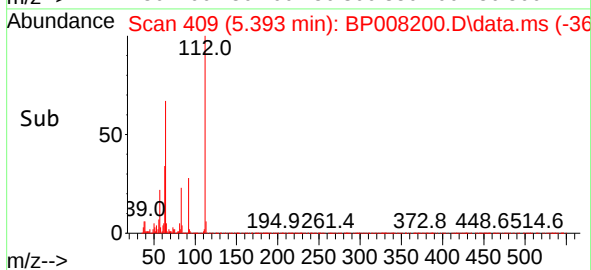
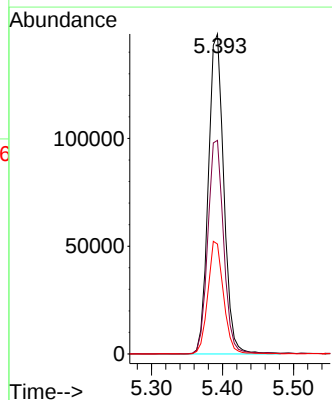
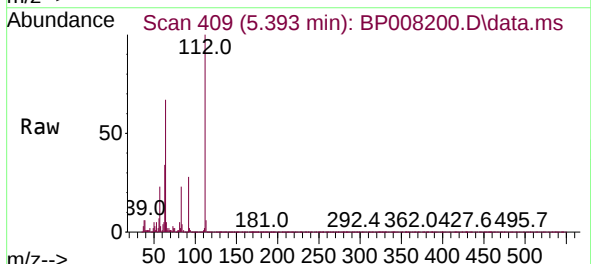
Instrument :
BNA_P
ClientSampleId :
CL-02-120121

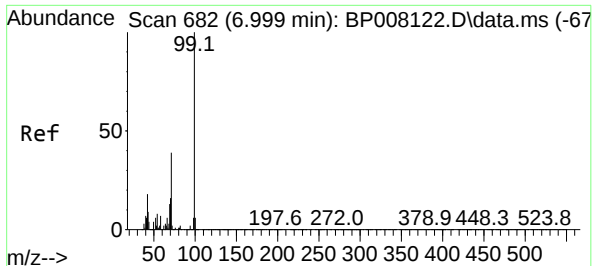
Tgt Ion:152 Resp: 93956
Ion Ratio Lower Upper
152 100
150 154.3 125.7 188.5
115 60.8 50.7 76.1



#5
2-Fluorophenol
Concen: 38.524 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.012 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

Tgt Ion:112 Resp: 224803
Ion Ratio Lower Upper
112 100
64 66.7 53.4 80.2
63 34.3 27.8 41.8

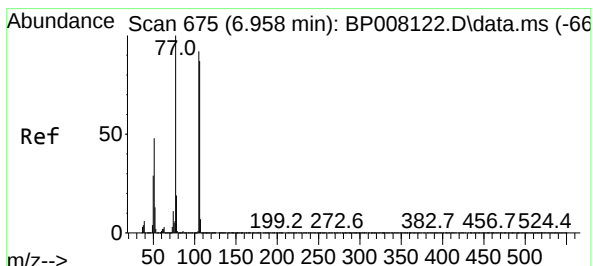
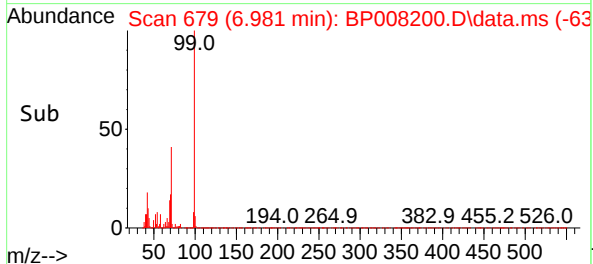
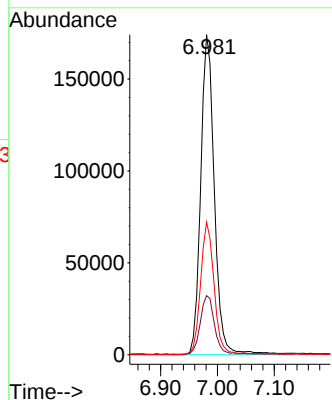
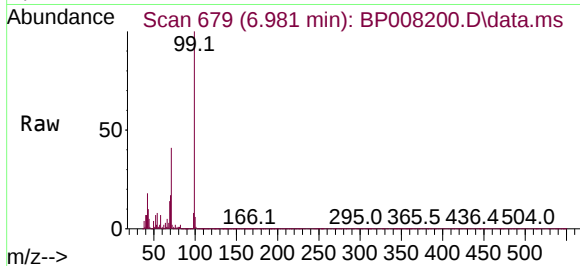




#7
Phenol-d6
Concen: 36.912 ng
RT: 6.981 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

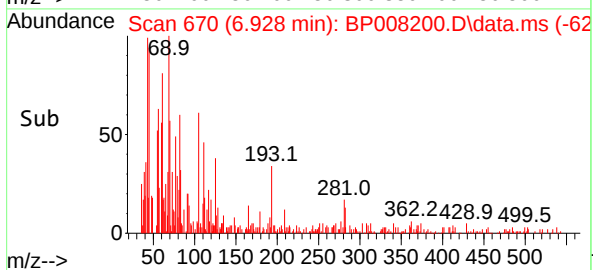
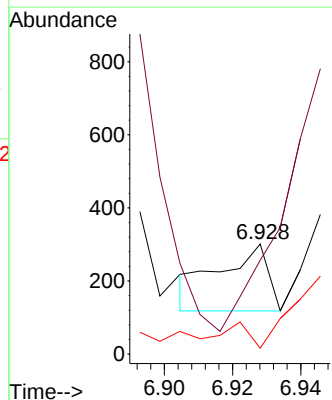
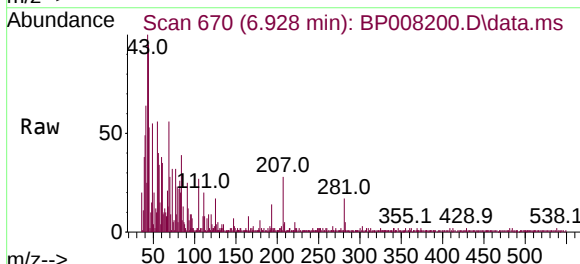
Instrument :
BNA_P
ClientSampleId :
CL-02-120121

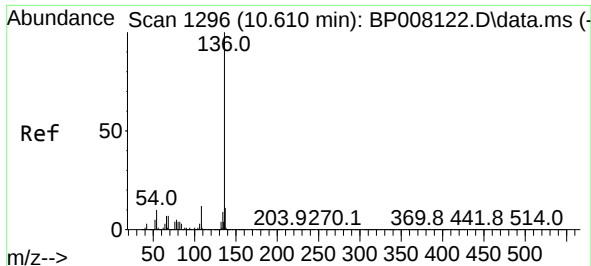
Tgt Ion: 99 Resp: 290771
Ion Ratio Lower Upper
99 100
42 18.4 14.6 22.0
71 41.4 31.1 46.7



#9
Benzaldehyde
Concen: Below Cal
RT: 6.928 min Scan# 670
Delta R.T. -0.030 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

Tgt Ion: 77 Resp: 182
Ion Ratio Lower Upper
77 100
105 85.4 71.8 111.8
106 5.3 67.3 107.3#

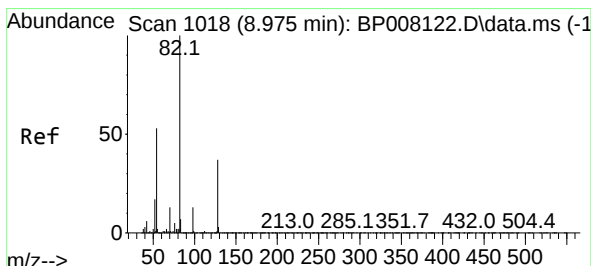
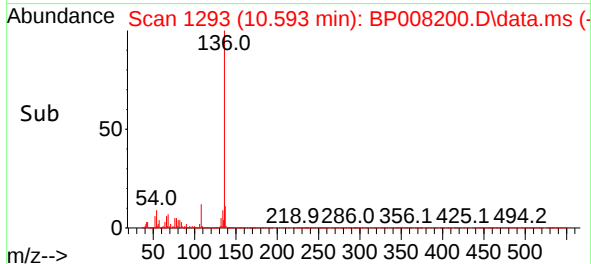
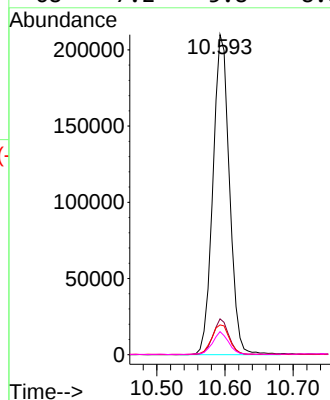
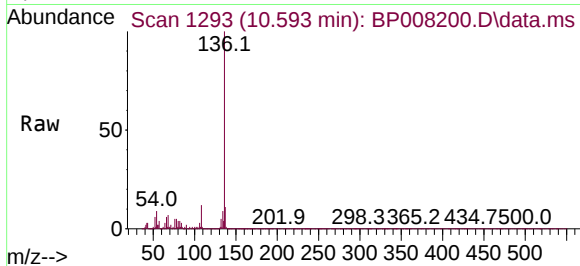




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1015
Delta R.T. -0.018 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

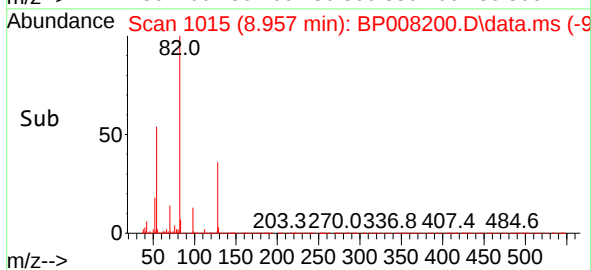
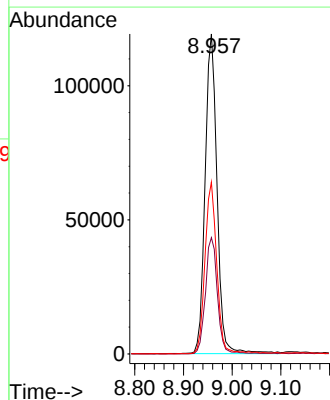
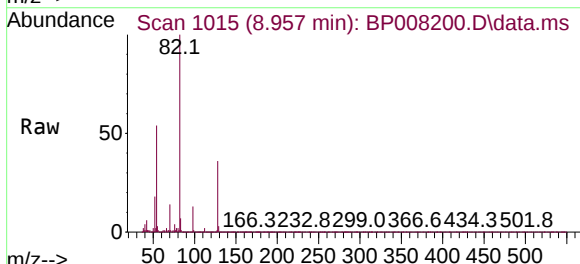
Instrument :
BNA_P
ClientSampleId :
CL-02-120121

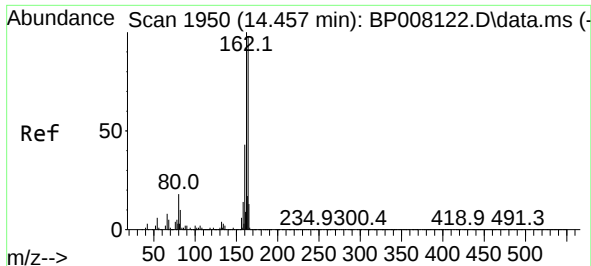
Tgt Ion:	136	Resp:	354884
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.6
54	9.3	8.2	12.4
68	7.2	5.8	8.8



#23
Nitrobenzene-d5
Concen: 25.880 ng
RT: 8.957 min Scan# 1015
Delta R.T. -0.018 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

Tgt Ion:	82	Resp:	201972
Ion Ratio	Lower	Upper	
82	100		
128	36.4	29.6	44.4
54	53.7	42.7	64.1

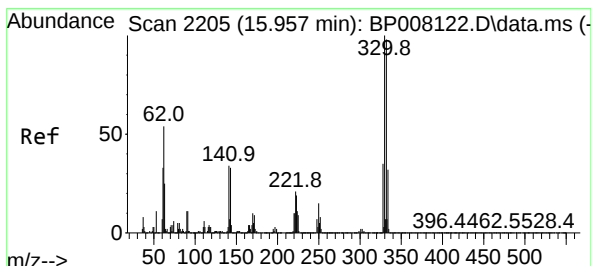
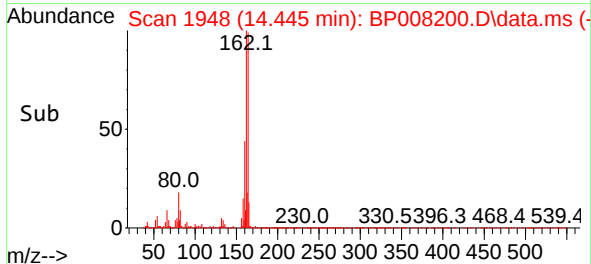
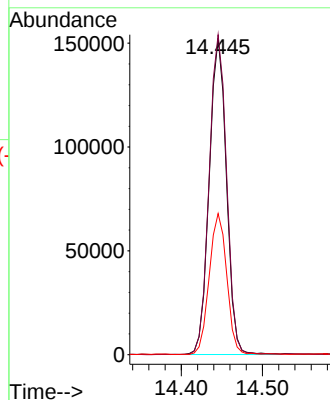
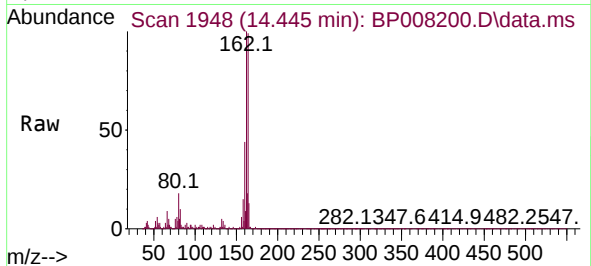




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1950
Delta R.T. -0.012 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

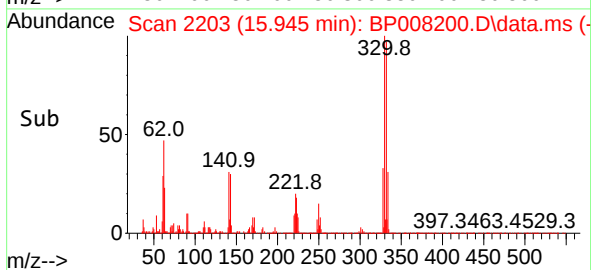
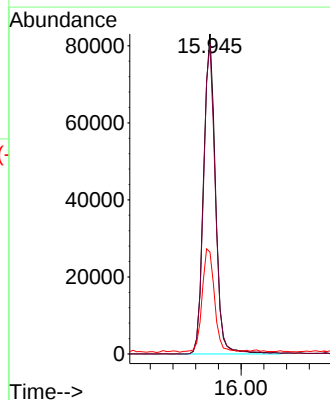
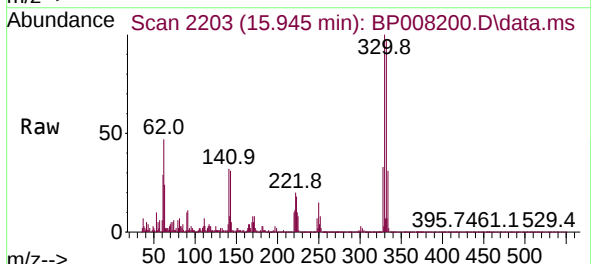
Instrument :
BNA_P
ClientSampleId :
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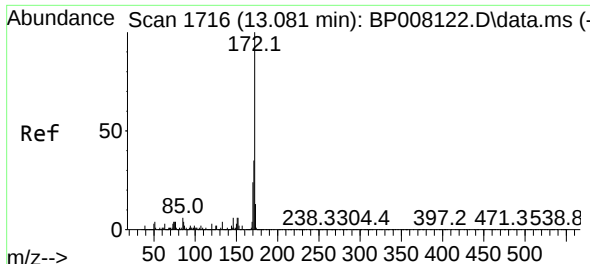
Tgt Ion:164 Resp: 223901
Ion Ratio Lower Upper
164 100
162 101.1 81.9 122.9
160 44.6 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 41.923 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.012 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

Tgt Ion:330 Resp: 119977
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 33.9 28.4 42.6

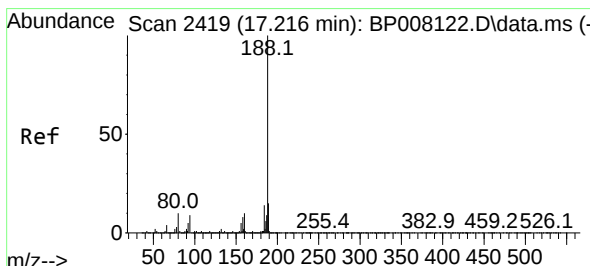
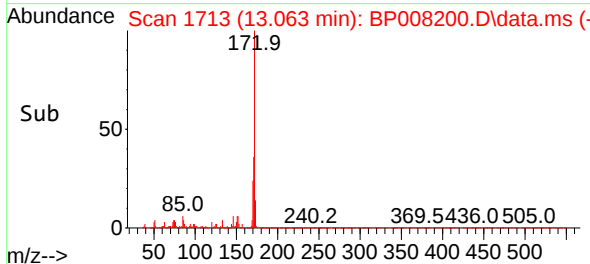
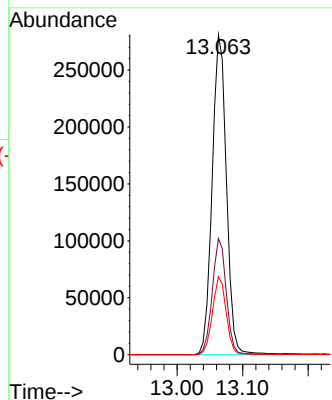
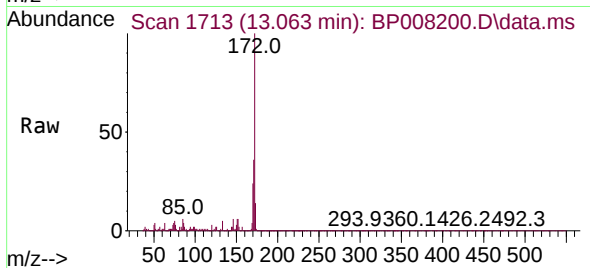




#45
2-Fluorobiphenyl
Concen: 27.548 ng
RT: 13.063 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

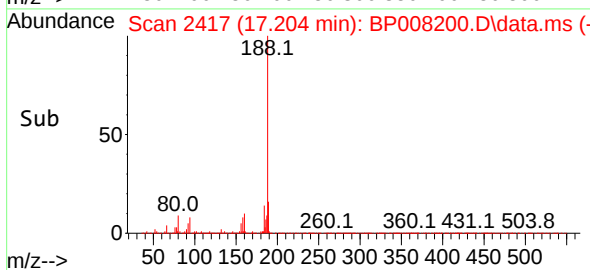
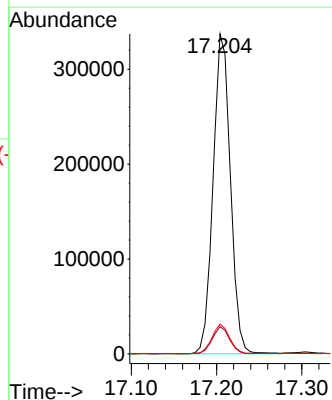
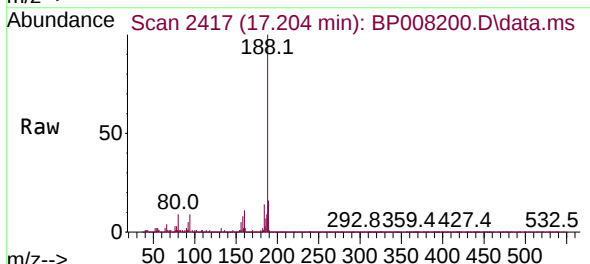
Instrument :
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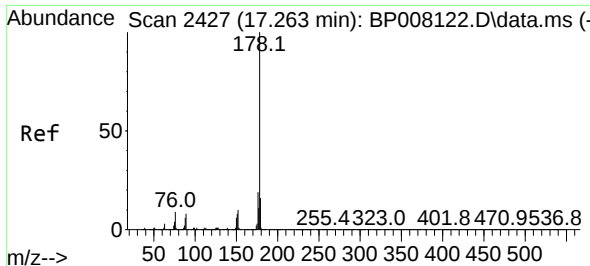
Tgt Ion:172 Resp: 424631
Ion Ratio Lower Upper
172 100
171 36.3 28.0 42.0
170 24.4 18.9 28.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

Tgt Ion:188 Resp: 474570
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 9.3 8.2 12.4

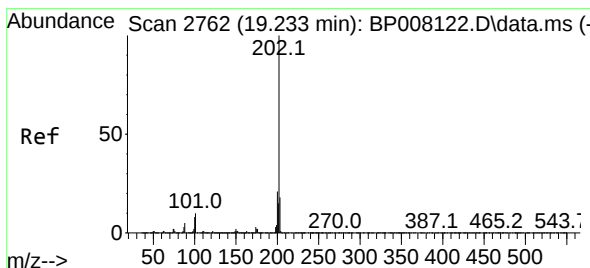
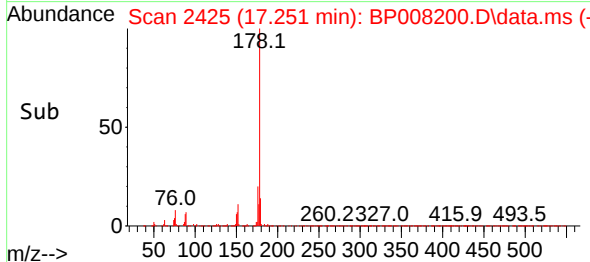
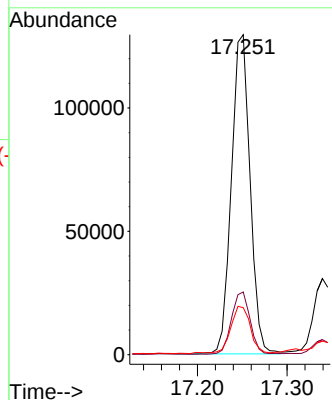
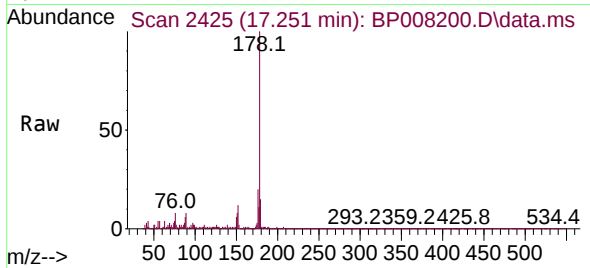




#71
Phenanthrene
Concen: 7.464 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

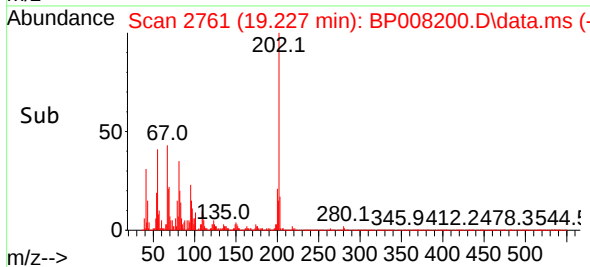
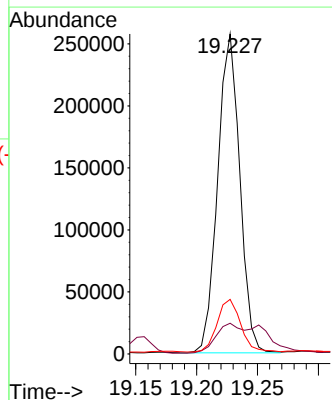
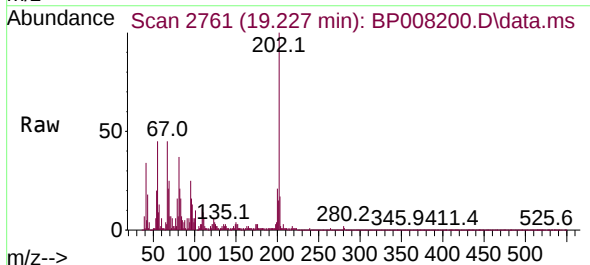
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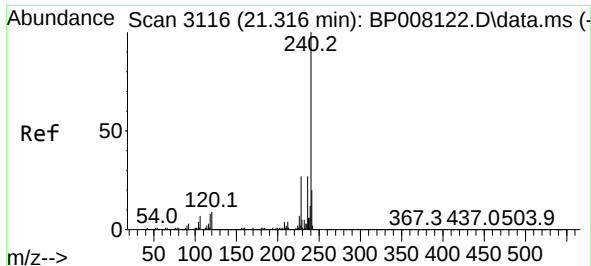
Tgt Ion:178 Resp: 187010
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 14.7 12.5 18.7



#75
Fluoranthene
Concen: 9.626 ng
RT: 19.227 min Scan# 2761
Delta R.T. -0.006 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

Tgt Ion:202 Resp: 324913
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.8
203 17.1 0.0 37.7

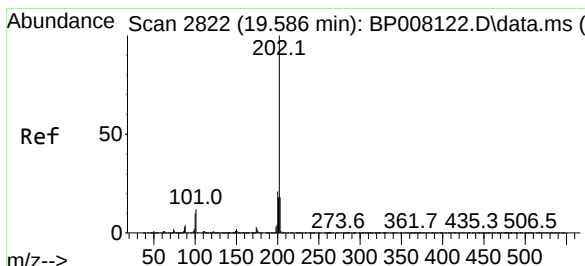
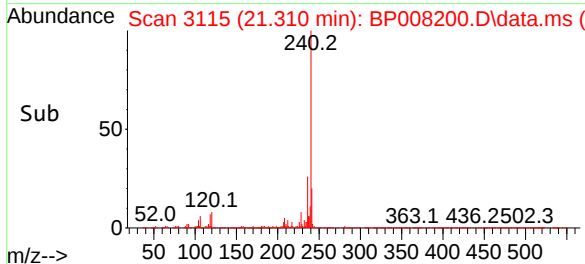
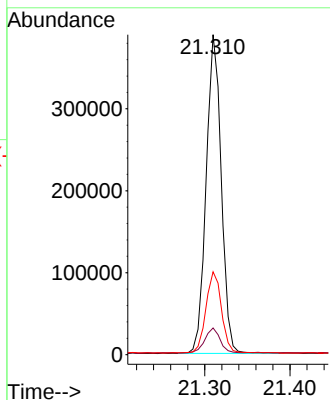
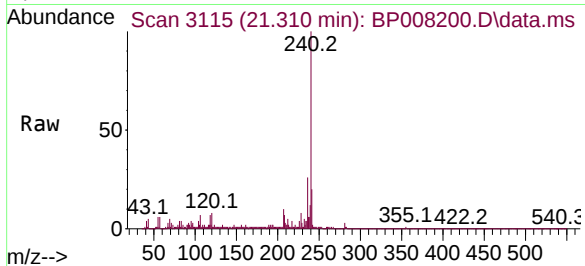




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

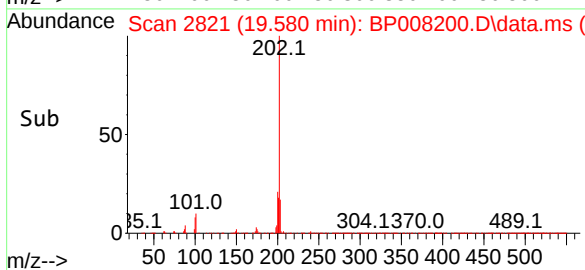
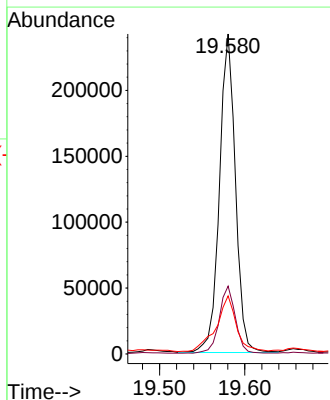
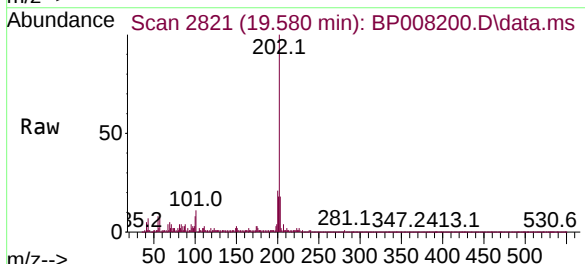
Instrument :
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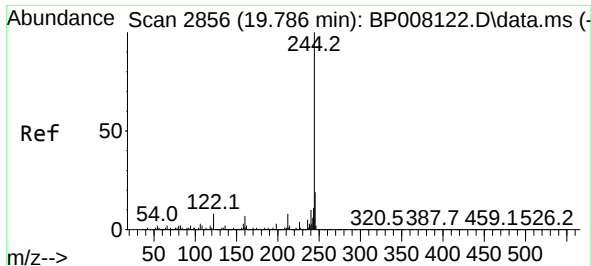
Tgt Ion:240 Resp: 477355
Ion Ratio Lower Upper
240 100
120 8.3 7.3 10.9
236 25.9 21.4 32.2



#78
Pyrene
Concen: 8.375 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

Tgt Ion:202 Resp: 315127
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 18.2 14.2 21.2

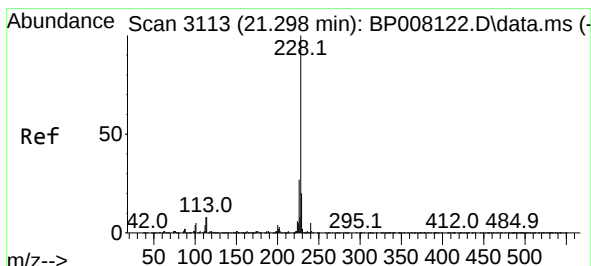
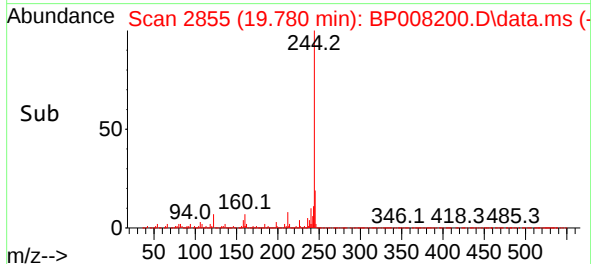
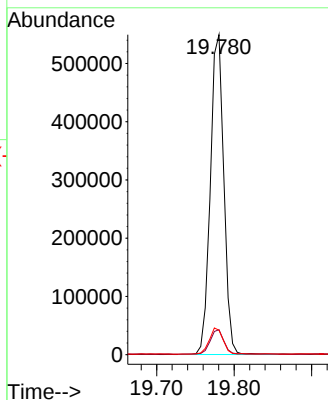
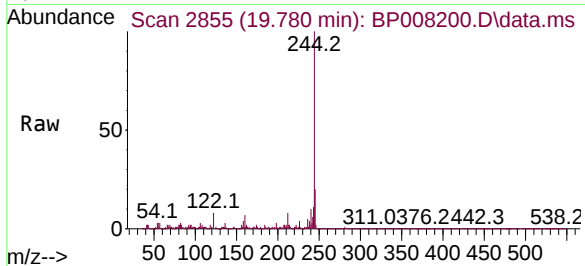




#79
 Terphenyl-d14
 Concen: 28.999 ng
 RT: 19.780 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP008200.D
 Acq: 02 Dec 2021 20:00

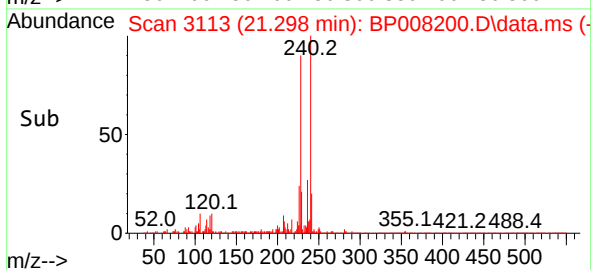
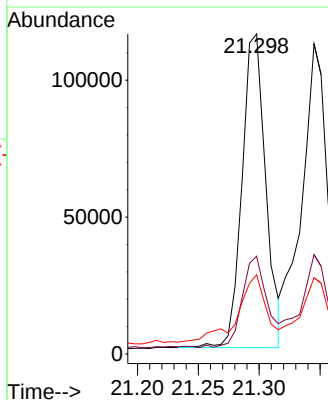
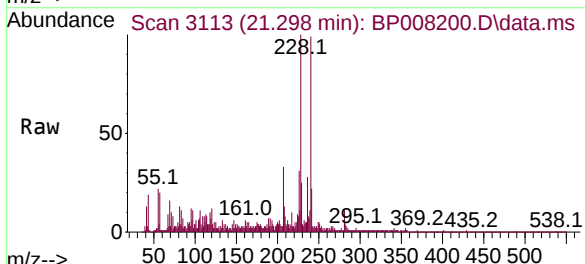
Instrument :
 BNA_P
 ClientSampleId :
 CL-02-120121

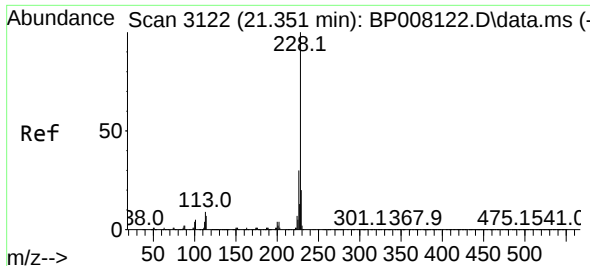
Tgt Ion:244 Resp: 662351
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.0 9.0
 122 7.7 6.6 9.8



#81
 Benzo(a)anthracene
 Concen: 4.917 ng
 RT: 21.298 min Scan# 3113
 Delta R.T. -0.000 min
 Lab File: BP008200.D
 Acq: 02 Dec 2021 20:00

Tgt Ion:228 Resp: 155571
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.9 32.9
 229 24.8 15.9 23.9#

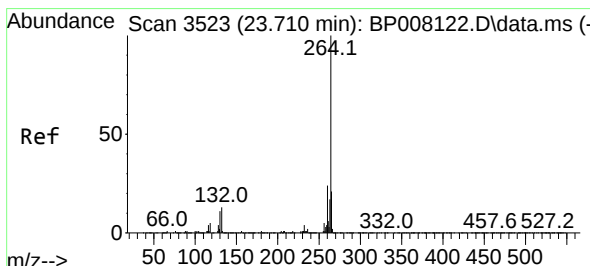
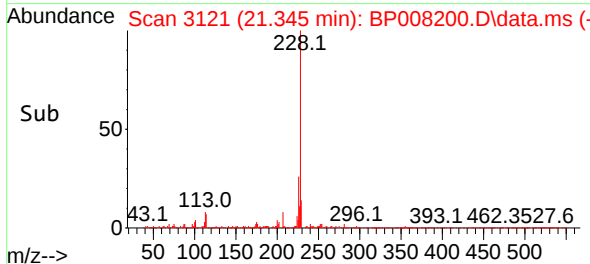
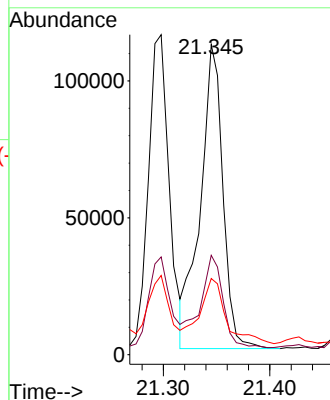
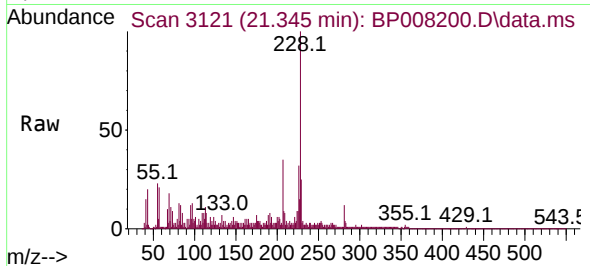




#83
Chrysene
Concen: 5.471 ng
RT: 21.345 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

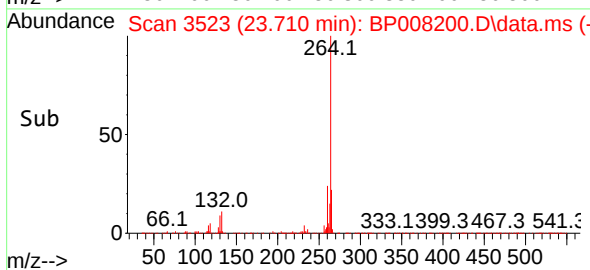
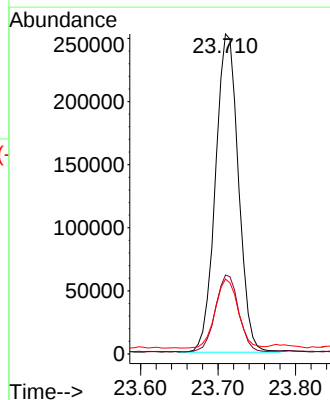
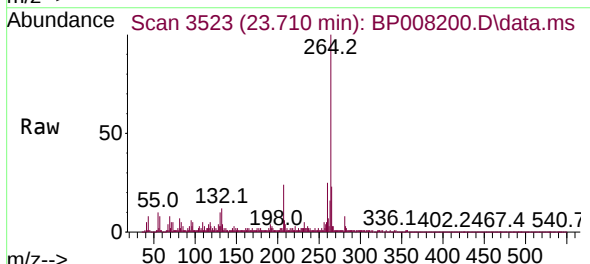
Instrument :
BNA_P
ClientSampleId :
CL-02-120121

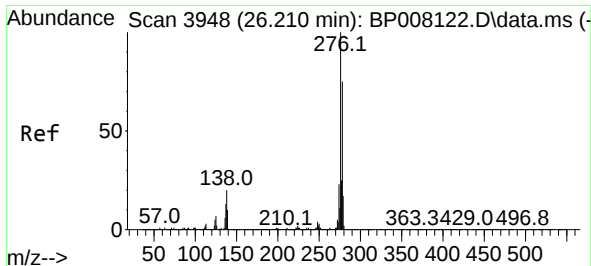
Tgt Ion:228 Resp: 164700
Ion Ratio Lower Upper
228 100
226 32.0 24.0 36.0
229 24.6 15.8 23.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.710 min Scan# 3523
Delta R.T. -0.000 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

Tgt Ion:264 Resp: 521094
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.2
265 23.4 17.6 26.4

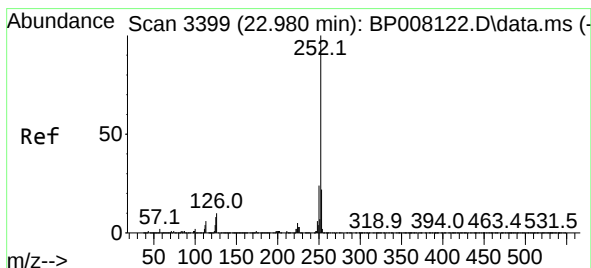
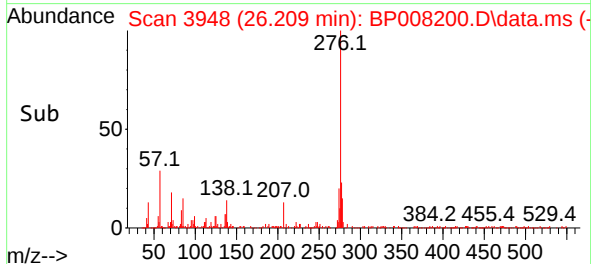
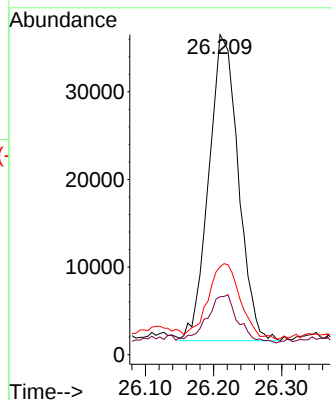
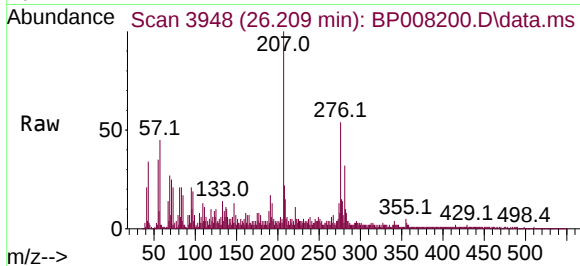




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.785 ng
 RT: 26.209 min Scan# 3400
 Delta R.T. -0.000 min
 Lab File: BP008200.D
 Acq: 02 Dec 2021 20:00

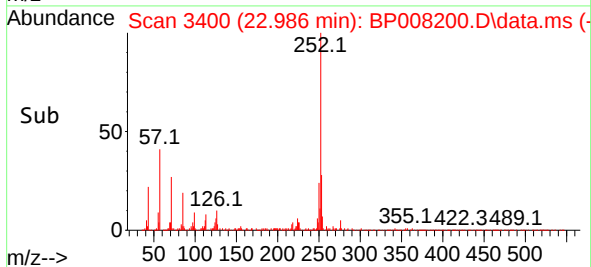
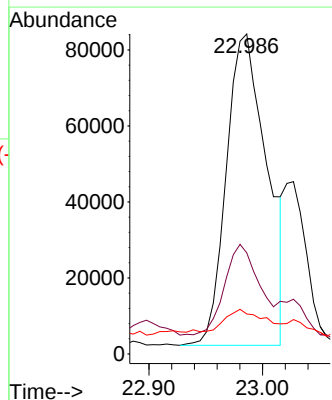
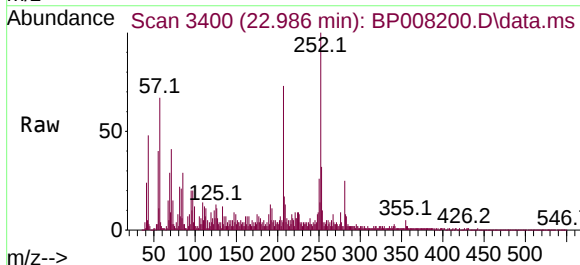
Instrument :
 BNA_P
 ClientSampleId :
 CL-02-120121

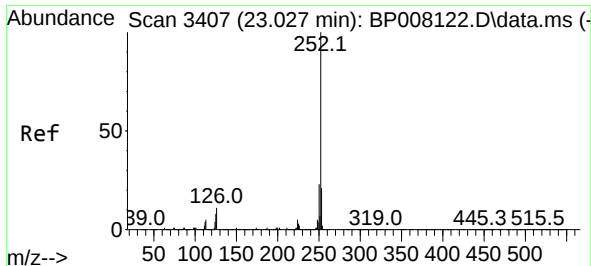
Tgt Ion: 276 Resp: 105594
 Ion Ratio Lower Upper
 276 100
 138 16.5 16.6 25.0#
 277 27.1 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 6.463 ng
 RT: 22.986 min Scan# 3400
 Delta R.T. 0.006 min
 Lab File: BP008200.D
 Acq: 02 Dec 2021 20:00

Tgt Ion: 252 Resp: 203023
 Ion Ratio Lower Upper
 252 100
 253 31.6 17.7 26.5#
 125 12.5 6.2 9.4#

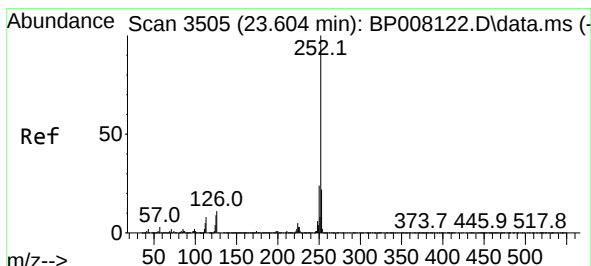
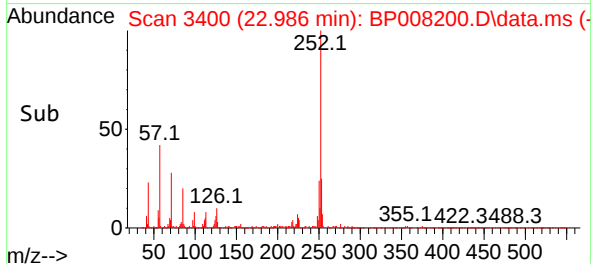
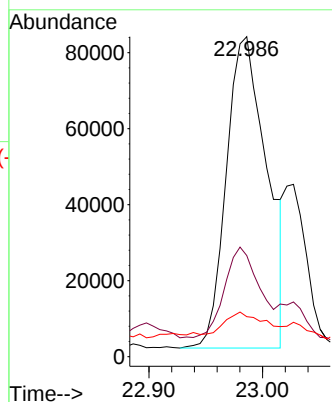
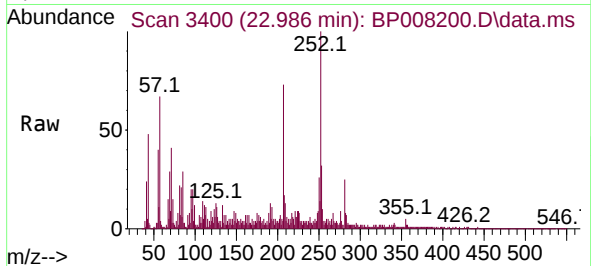




#89
Benzo(k)fluoranthene
Concen: 6.601 ng
RT: 22.986 min Scan# 3407
Delta R.T. -0.041 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

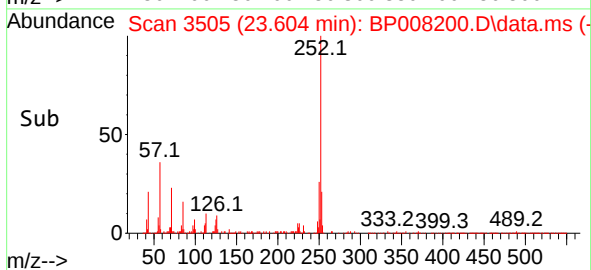
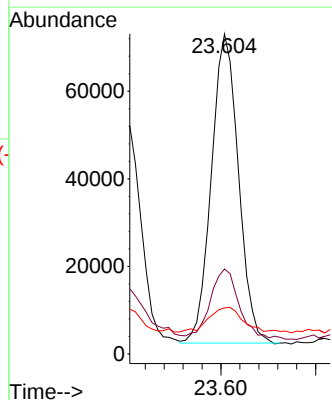
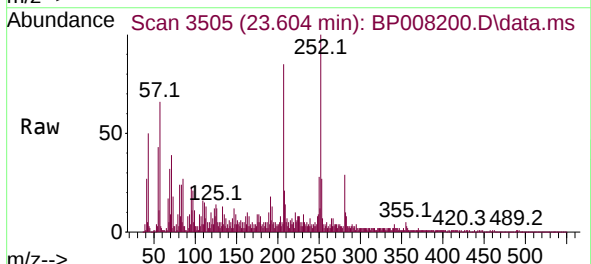
Instrument :
BNA_P
ClientSampleId :
CL-02-120121

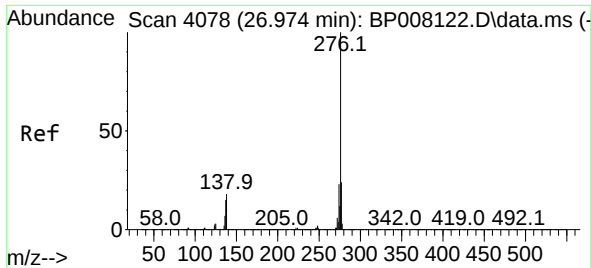
Tgt Ion:252 Resp: 203023
Ion Ratio Lower Upper
252 100
253 31.6 17.3 25.9#
125 12.5 6.5 9.7#



#90
Benzo(a)pyrene
Concen: 5.216 ng
RT: 23.604 min Scan# 3505
Delta R.T. -0.000 min
Lab File: BP008200.D
Acq: 02 Dec 2021 20:00

Tgt Ion:252 Resp: 140033
Ion Ratio Lower Upper
252 100
253 26.5 17.6 26.4#
125 14.4 7.4 11.0#





#92
 Benzo(g,h,i)perylene
 Concen: 3.367 ng
 RT: 26.986 min Scan# 40
 Delta R.T. 0.012 min
 Lab File: BP008200.D
 Acq: 02 Dec 2021 20:00

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-120121

Tgt Ion:276 Resp: 106943
 Ion Ratio Lower Upper
 276 100
 277 27.5 20.0 30.0
 138 19.4 14.1 21.1

