

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP093021\
 Data File : BP007283.D
 Acq On : 30 Sep 2021 22:00
 Operator : CG/JU
 Sample : M3964-15DL 50X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CC-15DL

Quant Time: Oct 01 05:04:44 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 29 14:45:49 2021
 Response via : Initial Calibration

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

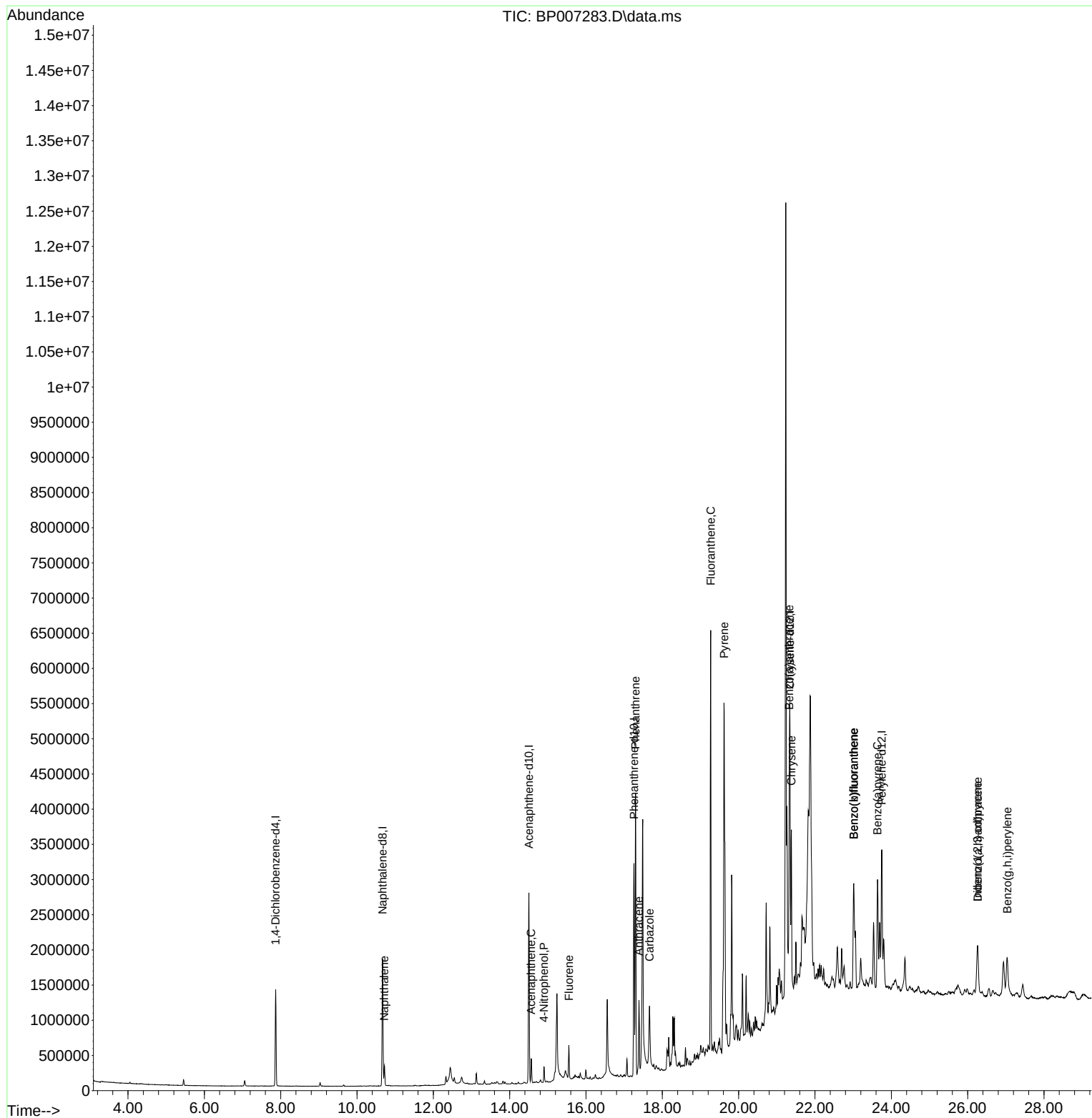
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.869	152	379224	20.000	ng	0.00
21) Naphthalene-d8	10.669	136	1525877	20.000	ng	# 0.00
39) Acenaphthene-d10	14.504	164	967880	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	1848829	20.000	ng	0.00
76) Chrysene-d12	21.345	240	1417907	20.000	ng	0.00
86) Perylene-d12	23.751	264	1460746	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.458	112	37355	1.649	ng	0.00
7) Phenol-d6	7.058	99	45973	1.485	ng	0.00
23) Nitrobenzene-d5	9.034	82	28777	1.098	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	12397	0.988	ng	0.00
45) 2-Fluorobiphenyl	13.128	172	76283	1.129	ng	0.00
79) Terphenyl-d14	19.810	244	97480	1.317	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	10.716	128	233779	3.002	ng	99
52) Acenaphthene	14.563	154	124774	2.398	ng	99
56) 4-Nitrophenol	14.898	139	52585	4.213	ng	# 6
58) Fluorene	15.551	166	200900	2.995	ng	98
71) Phenanthrene	17.298	178	2420565	24.417	ng	99
72) Anthracene	17.387	178	653668	6.741	ng	99
73) Carbazole	17.663	167	315903	3.324	ng	98
75) Fluoranthene	19.269	202	3554384	31.121	ng	98
78) Pyrene	19.616	202	3048570	32.771	ng	98
81) Benzo(a)anthracene	21.327	228	1443355	15.683	ng	98
83) Chrysene	21.380	228	1249801	14.208	ng	96
87) Indeno(1,2,3-cd)pyrene	26.257	276	737607	7.026	ng	99
88) Benzo(b)fluoranthene	23.016	252	1508588	17.281	ng	# 96
89) Benzo(k)fluoranthene	23.016	252	1508588	17.068	ng	# 96
90) Benzo(a)pyrene	23.639	252	1190415	16.051	ng	# 97
91) Dibenzo(a,h)anthracene	26.262	278	181012	2.058	ng	# 83
92) Benzo(g,h,i)perylene	27.039	276	732703	8.535	ng	# 96

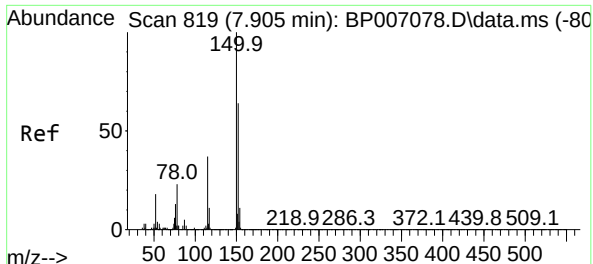
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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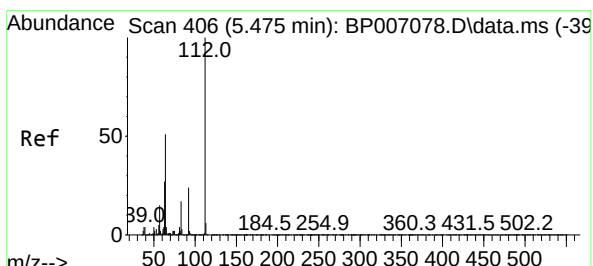
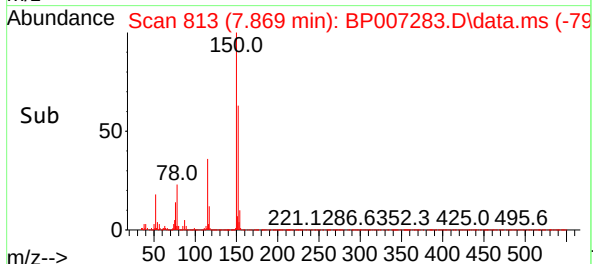
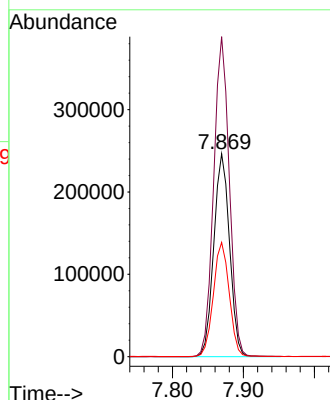
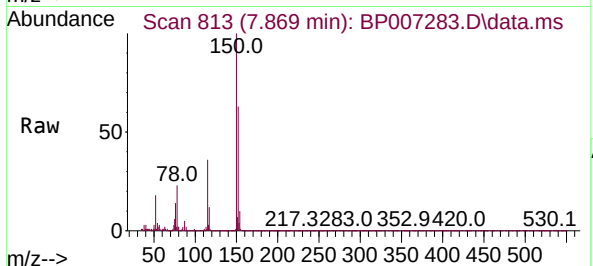




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

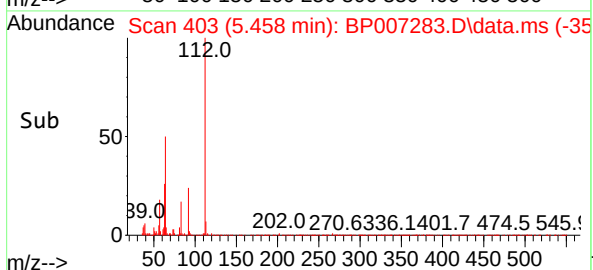
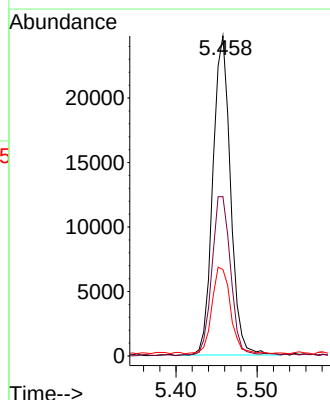
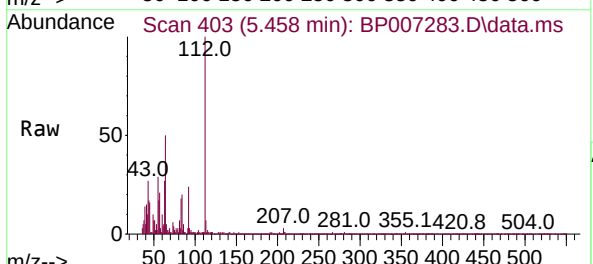
Instrument :
BNA_P
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CC-15DL

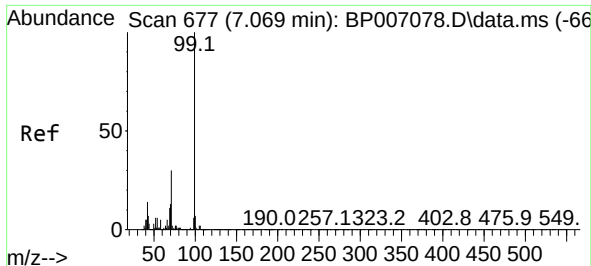
Tgt Ion:152 Resp: 379224
Ion Ratio Lower Upper
152 100
150 157.7 125.6 188.4
115 56.3 48.5 72.7



#5
2-Fluorophenol
Concen: 1.649 ng
RT: 5.458 min Scan# 403
Delta R.T. 0.006 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Tgt Ion:112 Resp: 37355
Ion Ratio Lower Upper
112 100
64 49.8 41.4 62.2
63 27.0 23.8 35.8

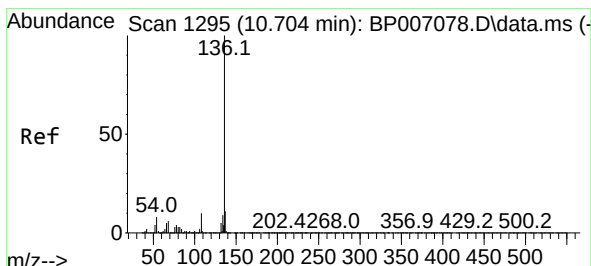
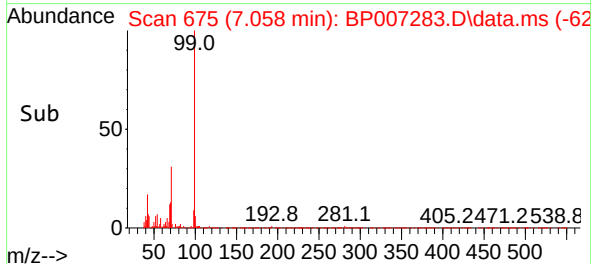
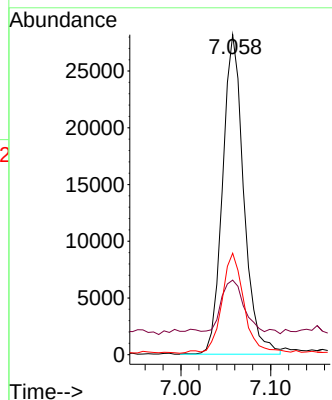
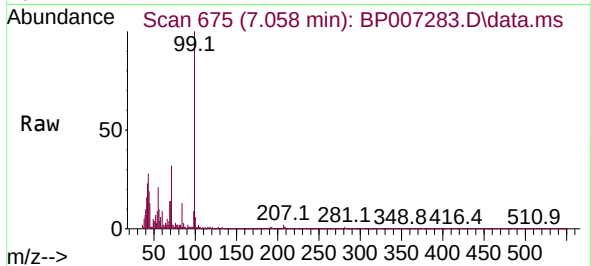




#7
Phenol-d6
Concen: 1.485 ng
RT: 7.058 min Scan# 675
Delta R.T. 0.006 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

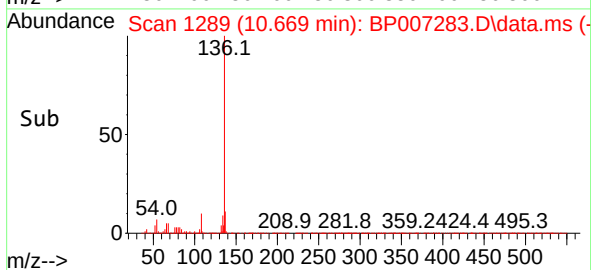
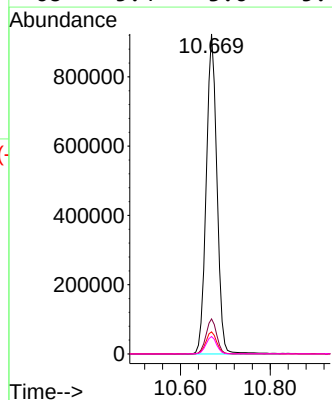
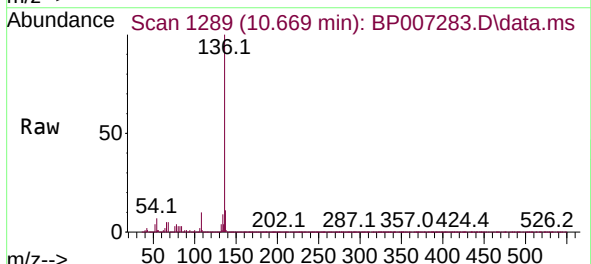
Instrument :
BNA_P
ClientSampleId :
CC-15DL

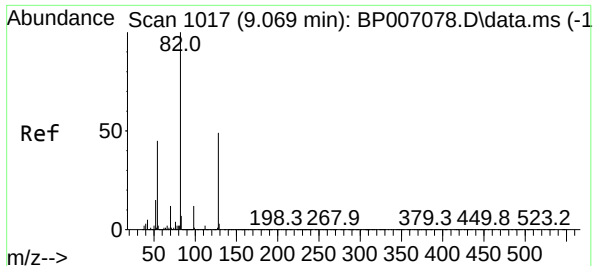
Tgt Ion: 99 Resp: 45973
Ion Ratio Lower Upper
99 100
42 23.3 13.4 20.0#
71 31.7 30.6 46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.669 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Tgt Ion: 136 Resp: 1525877
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.9 4.6 6.8#
68 5.4 3.6 5.4#

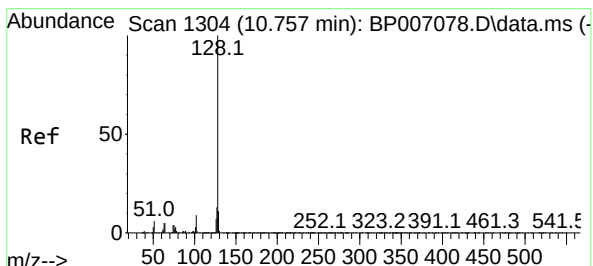
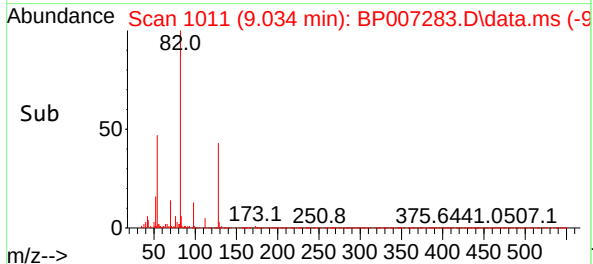
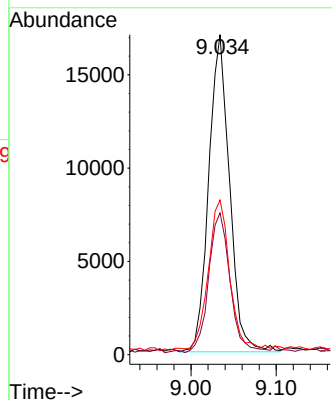
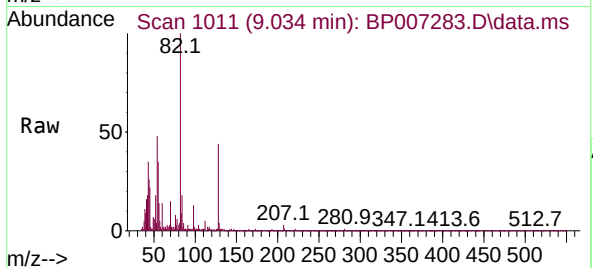




#23
Nitrobenzene-d5
Concen: 1.098 ng
RT: 9.034 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

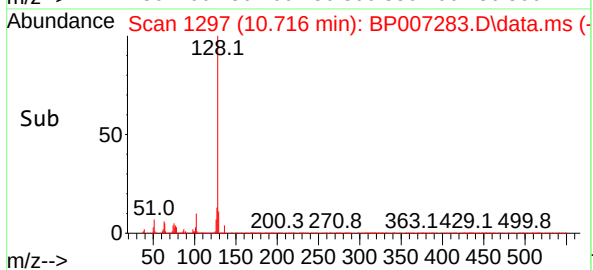
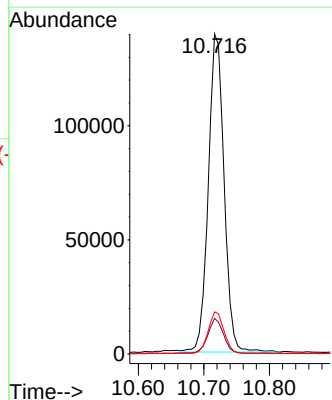
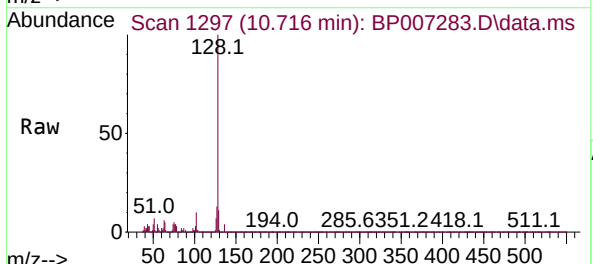
Instrument :
BNA_P
ClientSampleId :
CC-15DL

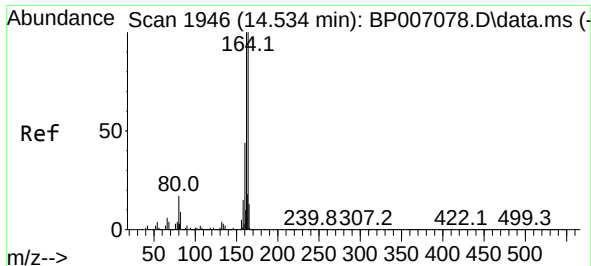
Tgt Ion: 82 Resp: 28777
Ion Ratio Lower Upper
82 100
128 44.3 35.7 53.5
54 48.3 35.0 52.4



#31
Naphthalene
Concen: 3.002 ng
RT: 10.716 min Scan# 1297
Delta R.T. -0.012 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Tgt Ion: 128 Resp: 233779
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.1 10.7 16.1

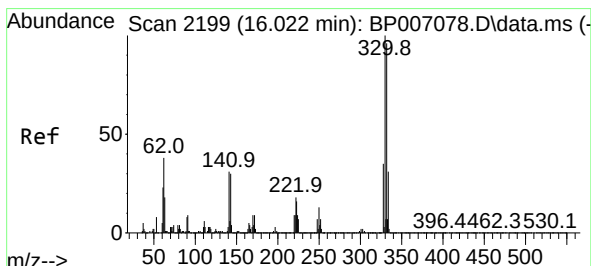
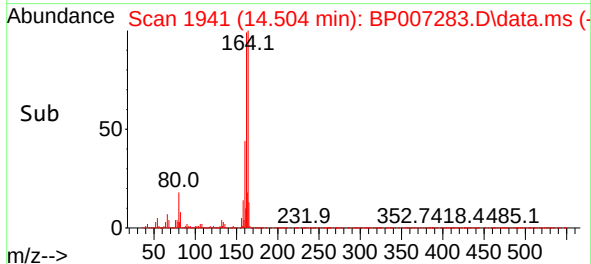
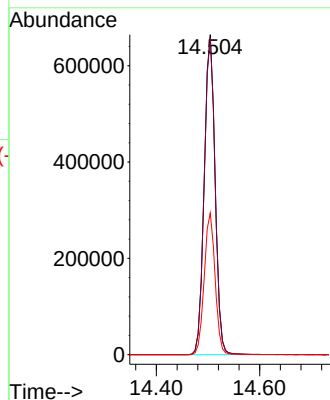
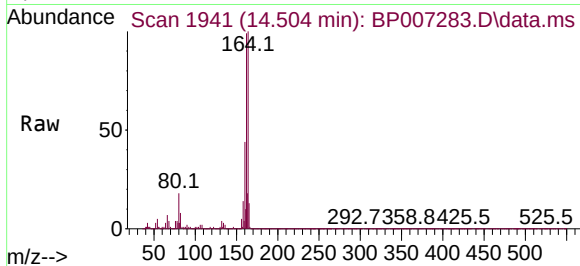




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.504 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

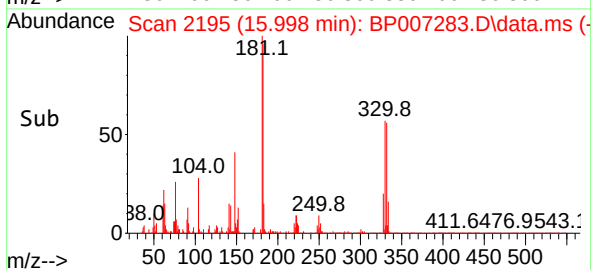
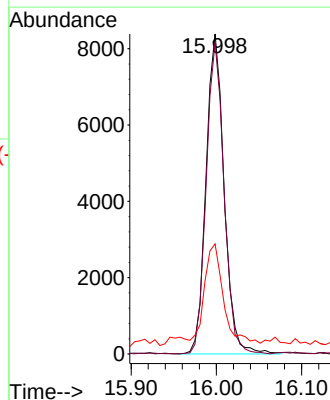
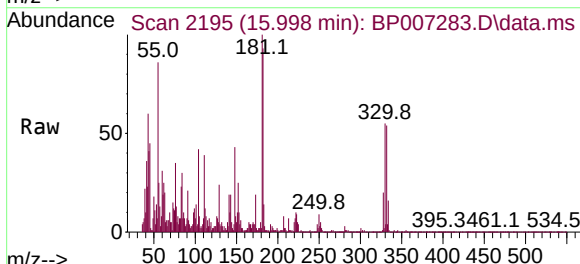
Instrument :
BNA_P
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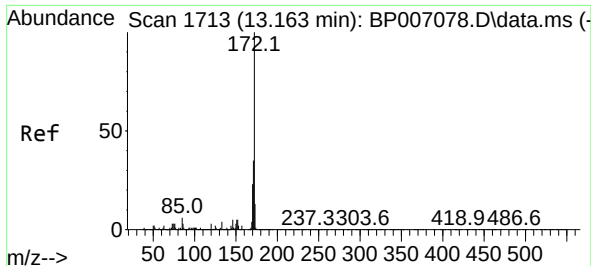
Tgt Ion:164 Resp: 967880
Ion Ratio Lower Upper
164 100
162 99.0 80.2 120.2
160 44.3 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 0.988 ng
RT: 15.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Tgt Ion:330 Resp: 12397
Ion Ratio Lower Upper
330 100
332 95.5 77.8 116.8
141 33.3 25.4 38.2

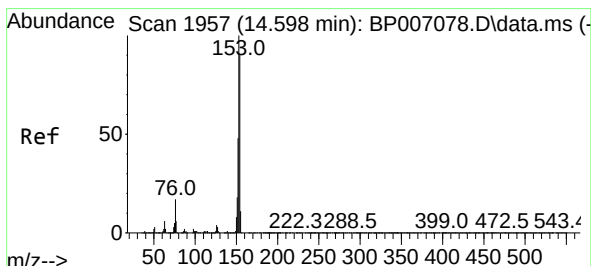
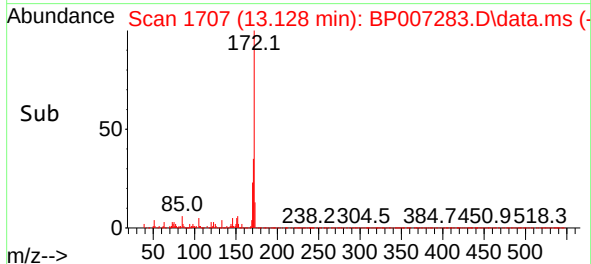
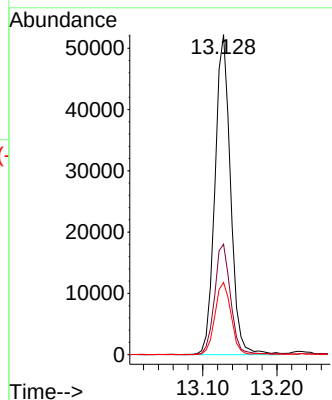
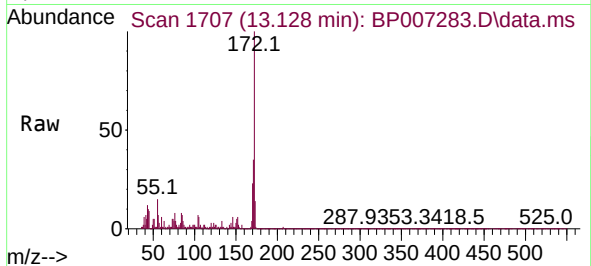




#45
2-Fluorobiphenyl
Concen: 1.129 ng
RT: 13.128 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

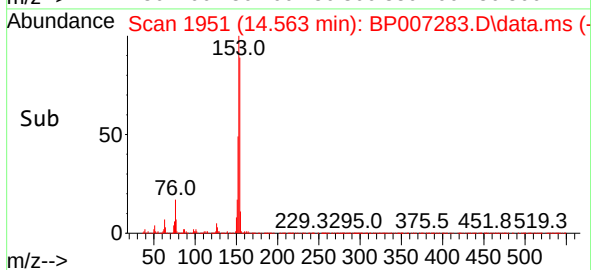
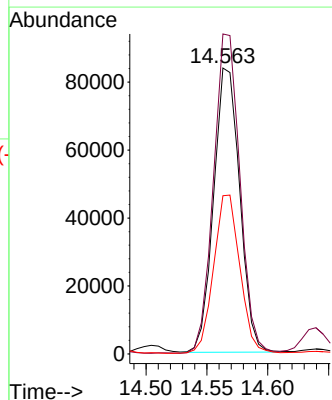
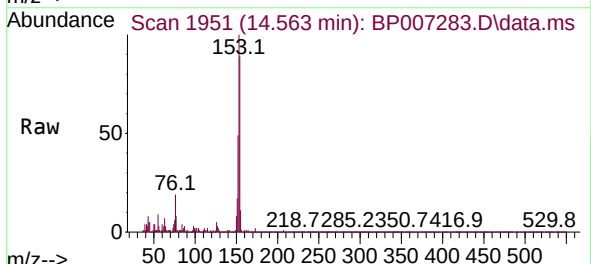
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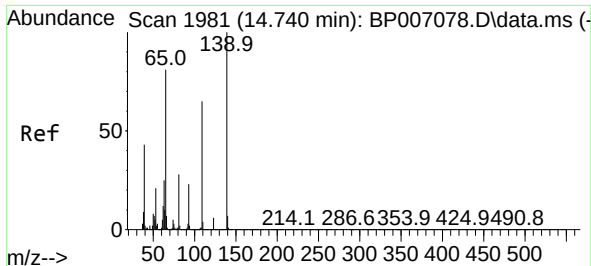
Tgt Ion:	172	Resp:	76283
Ion Ratio	Lower	Upper	
172	100		
171	34.5	27.9	41.9
170	22.6	18.6	27.8



#52
Acenaphthene
Concen: 2.398 ng
RT: 14.563 min Scan# 1951
Delta R.T. -0.012 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Tgt Ion:	154	Resp:	124774
Ion Ratio	Lower	Upper	
154	100		
153	111.9	89.4	134.2
152	55.4	43.0	64.4

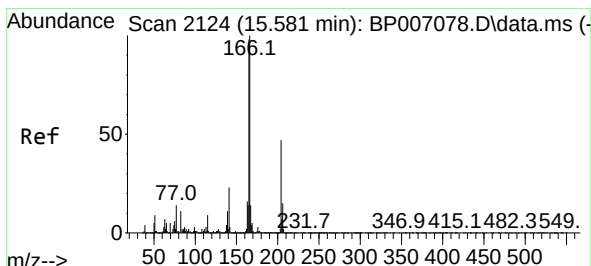
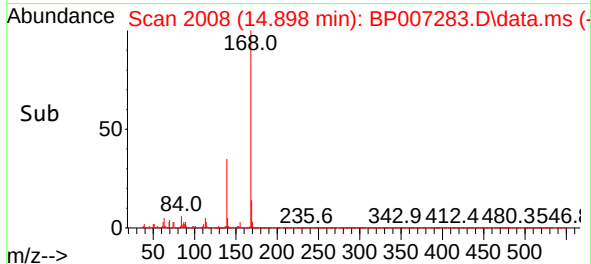
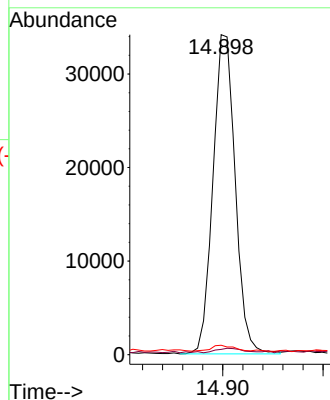
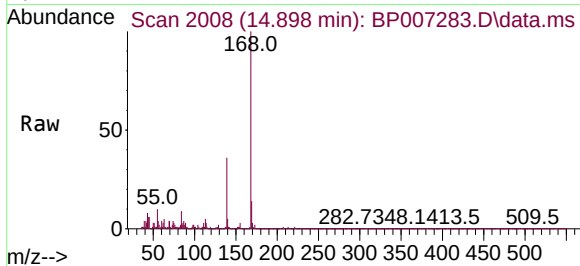




#56
4-Nitrophenol
Concen: 4.213 ng
RT: 14.898 min Scan# 2008
Delta R.T. 0.159 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

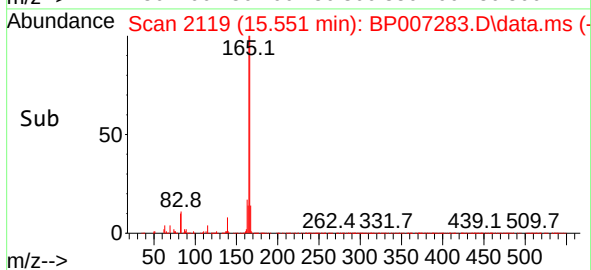
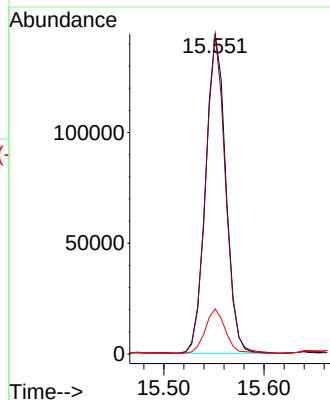
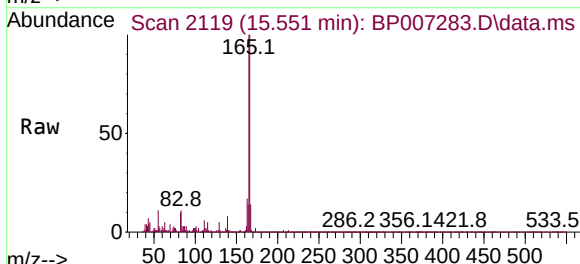
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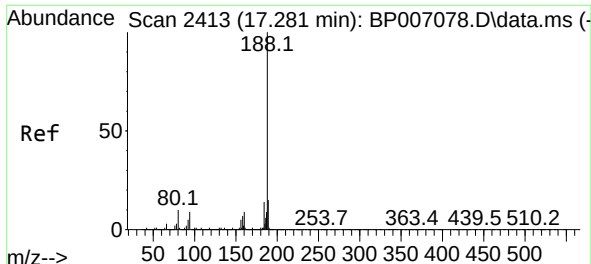
Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.7	72.3	112.3#
65	3.0	72.5	112.5#



#58
Fluorene
Concen: 2.995 ng
RT: 15.551 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.0	117.0
167	14.1	10.5	15.7

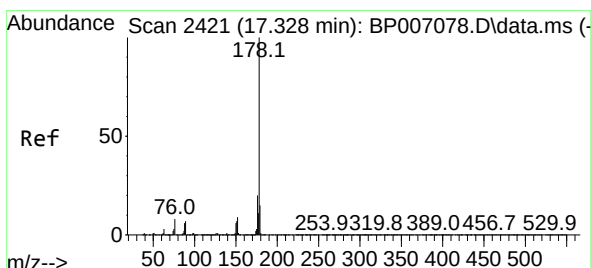
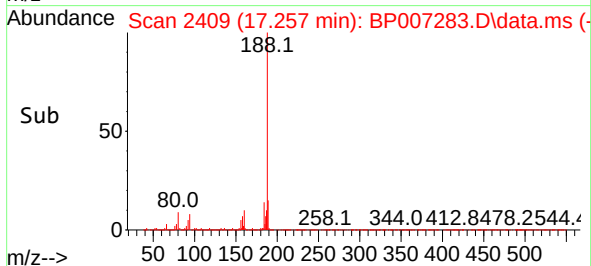
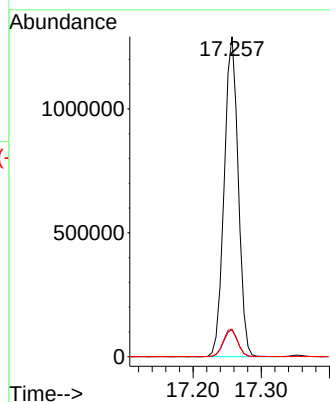
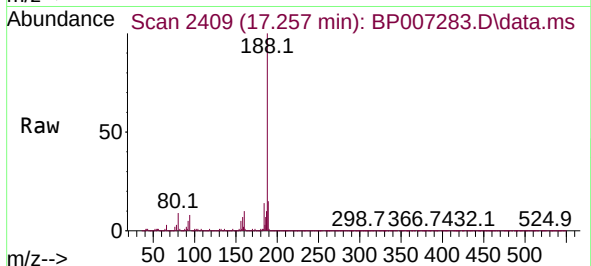




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

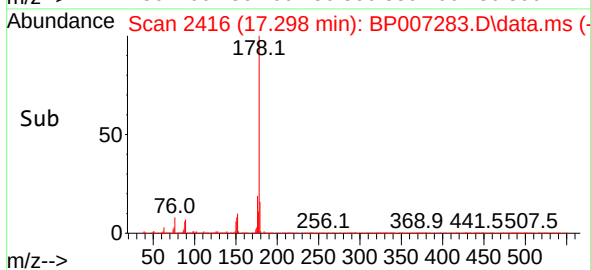
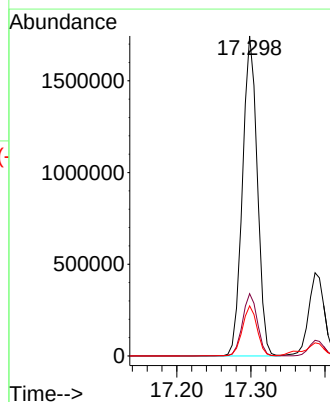
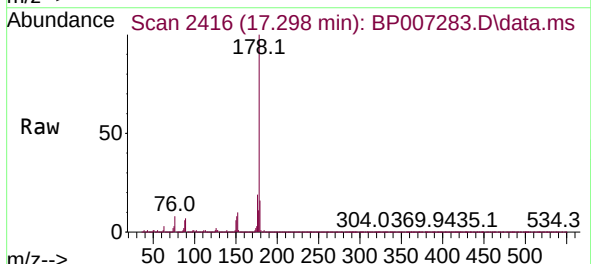
Instrument :
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CC-15DL

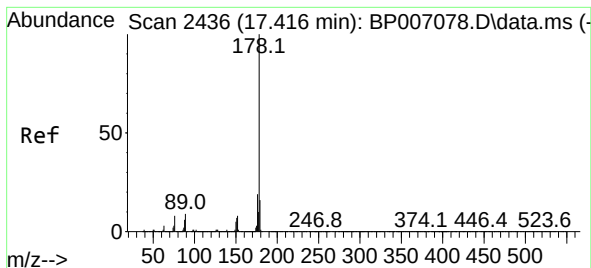
Tgt Ion:188 Resp: 1848829
Ion Ratio Lower Upper
188 100
94 8.4 5.6 8.4
80 8.6 6.3 9.5



#71
Phenanthrene
Concen: 24.417 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Tgt Ion:178 Resp: 2420565
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 15.7 12.4 18.6





#72

Anthracene

Concen: 6.741 ng

RT: 17.387 min Scan# 2431

Delta R.T. -0.012 min

Lab File: BP007283.D

Acq: 30 Sep 2021 22:00

Instrument :

BNA_P

ClientSampleId :

CC-15DL

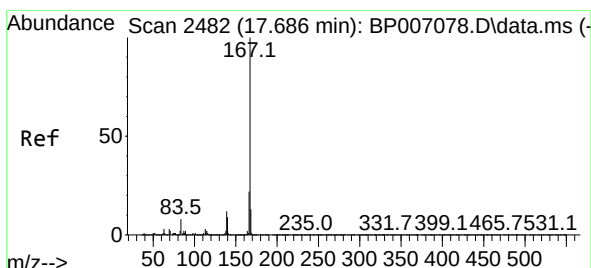
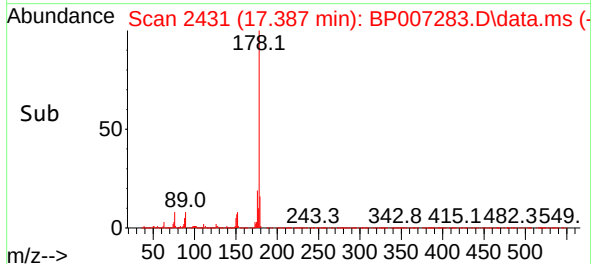
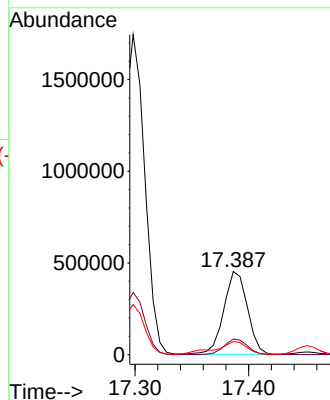
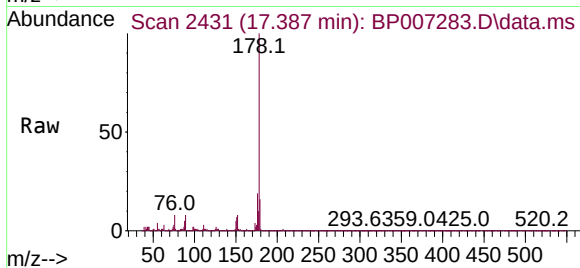
Tgt Ion:178 Resp: 653668

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.8 12.2 18.2



#73

Carbazole

Concen: 3.324 ng

RT: 17.663 min Scan# 2478

Delta R.T. -0.006 min

Lab File: BP007283.D

Acq: 30 Sep 2021 22:00

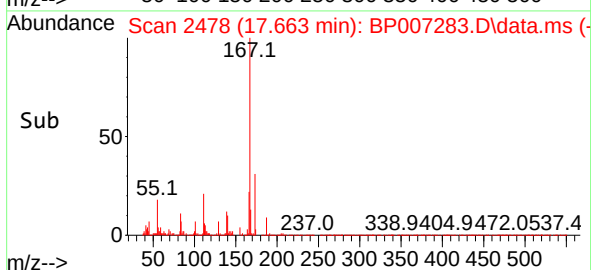
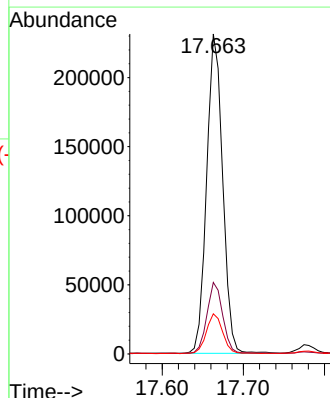
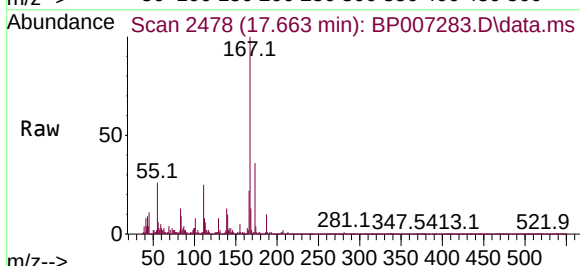
Tgt Ion:167 Resp: 315903

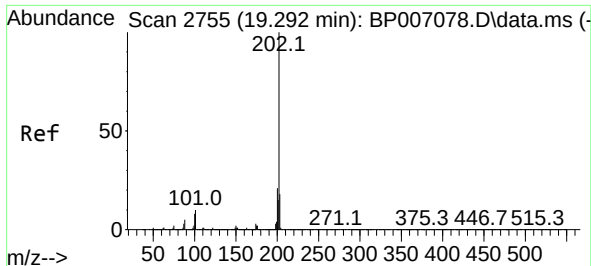
Ion Ratio Lower Upper

167 100

166 22.4 17.1 25.7

139 12.6 10.7 16.1

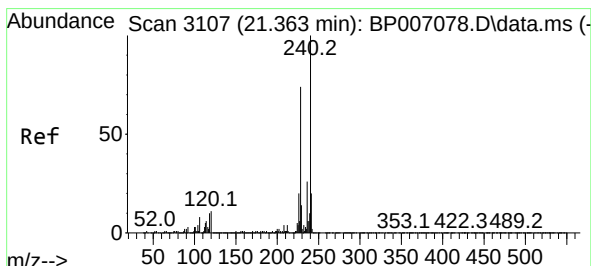
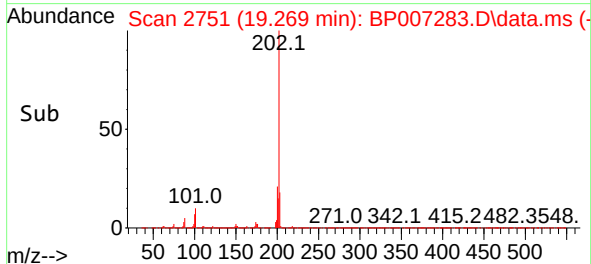
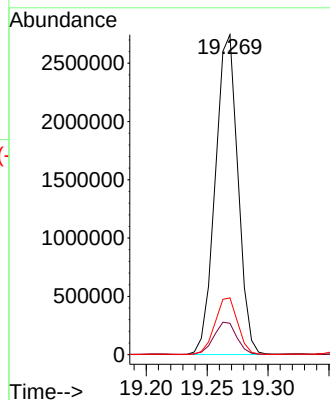
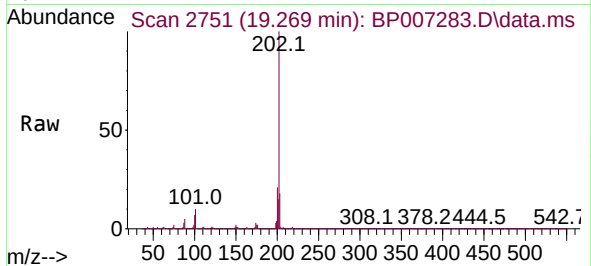




#75
Fluoranthene
Concen: 31.121 ng
RT: 19.269 min Scan# 2751
Delta R.T. -0.006 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

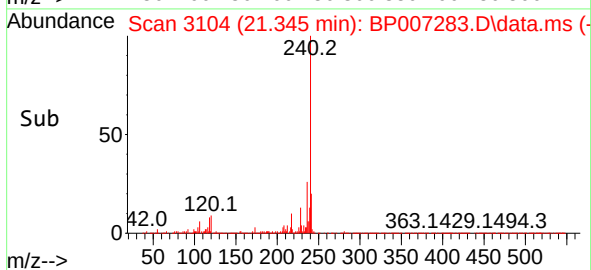
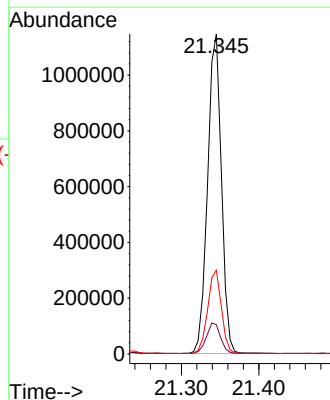
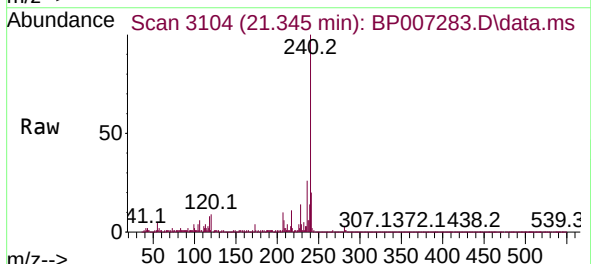
Instrument :
BNA_P
ClientSampleId :
CC-15DL

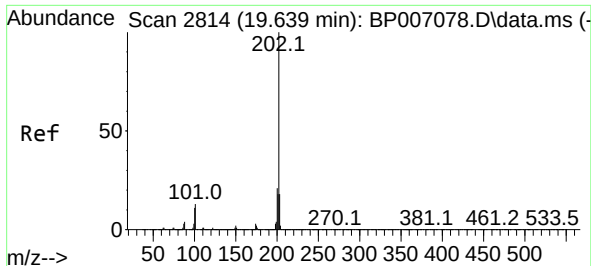
Tgt Ion:202 Resp: 3554384
Ion Ratio Lower Upper
202 100
101 9.8 0.0 27.6
203 17.8 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.345 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Tgt Ion:240 Resp: 1417907
Ion Ratio Lower Upper
240 100
120 9.2 6.5 9.7
236 26.2 20.6 31.0

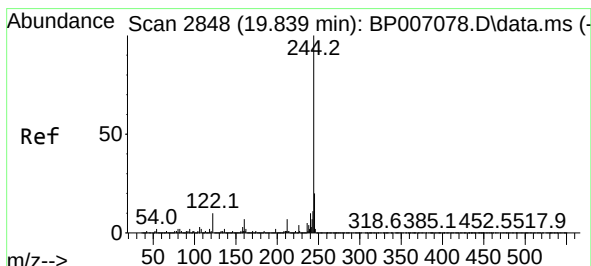
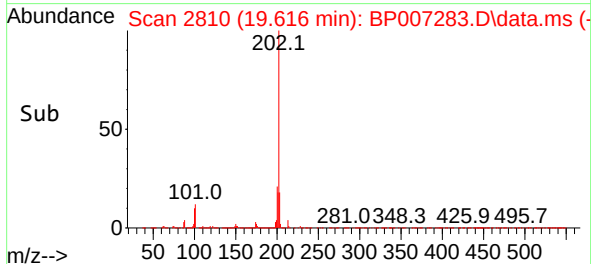
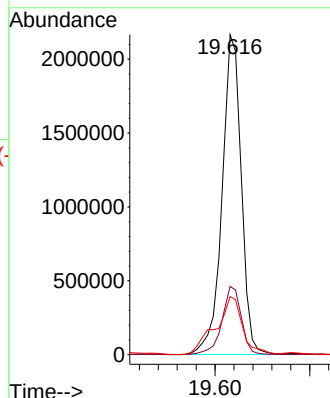
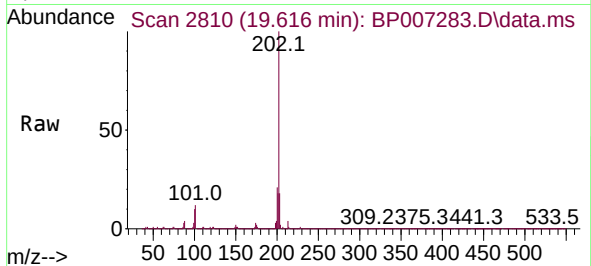




#78
Pyrene
Concen: 32.771 ng
RT: 19.616 min Scan# 2810
Delta R.T. -0.012 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

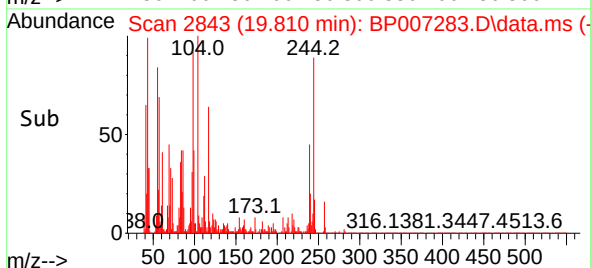
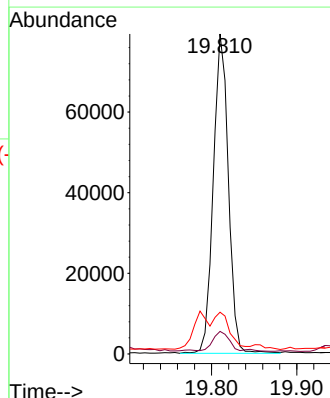
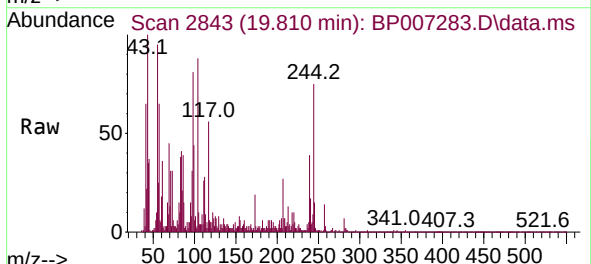
Instrument :
BNA_P
ClientSampleId :
CC-15DL

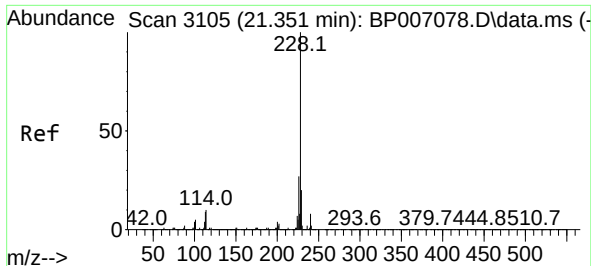
Tgt Ion:202 Resp: 3048570
Ion Ratio Lower Upper
202 100
200 21.3 16.3 24.5
203 18.1 14.2 21.2



#79
Terphenyl-d14
Concen: 1.317 ng
RT: 19.810 min Scan# 2843
Delta R.T. -0.012 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Tgt Ion:244 Resp: 97480
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 13.1 7.1 10.7#

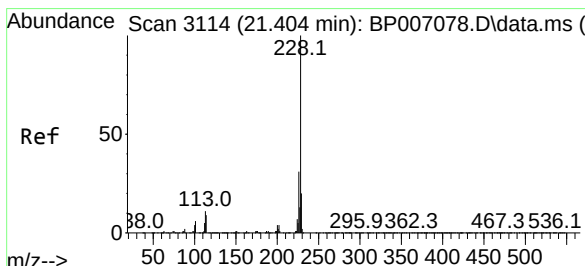
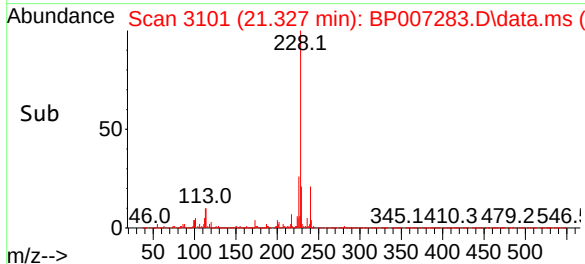
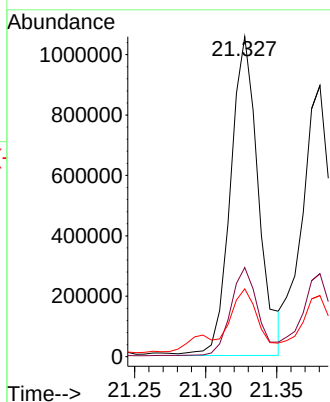
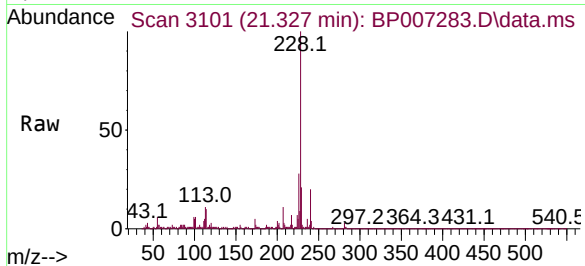




#81
Benzo(a)anthracene
Concen: 15.683 ng
RT: 21.327 min Scan# 3101
Delta R.T. -0.012 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

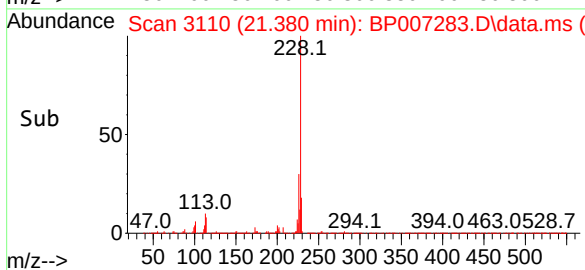
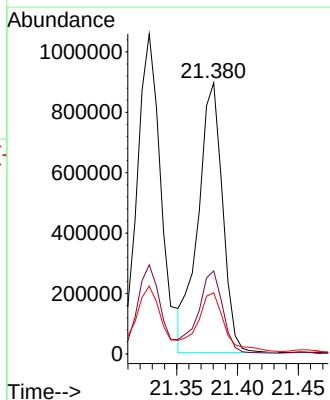
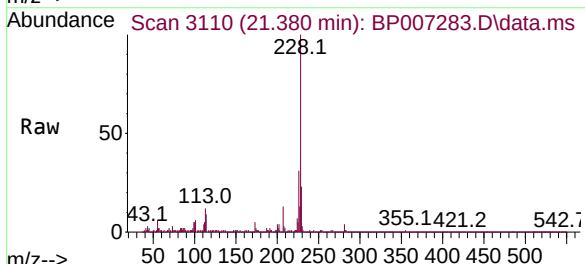
Instrument :
BNA_P
ClientSampleId :
CC-15DL

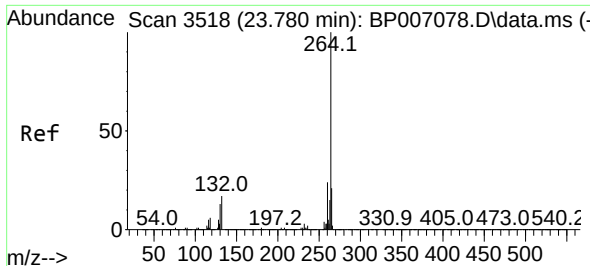
Tgt Ion:228 Resp: 1443355
Ion Ratio Lower Upper
228 100
226 27.8 21.6 32.4
229 21.2 15.8 23.6



#83
Chrysene
Concen: 14.208 ng
RT: 21.380 min Scan# 3110
Delta R.T. -0.012 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Tgt Ion:228 Resp: 1249801
Ion Ratio Lower Upper
228 100
226 30.6 23.8 35.6
229 22.6 15.4 23.2

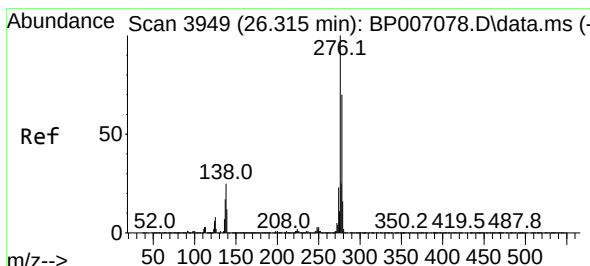
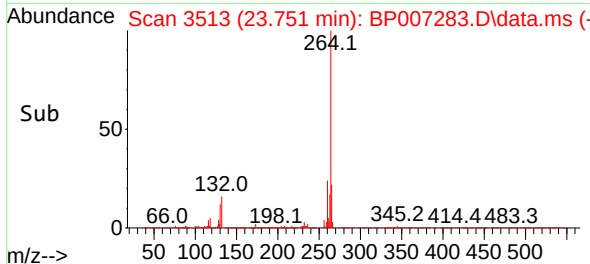
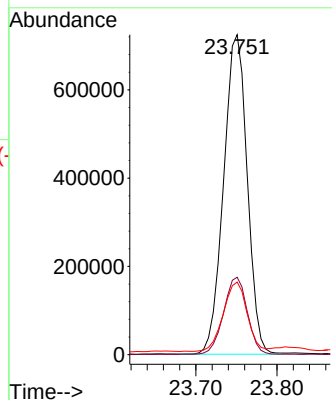
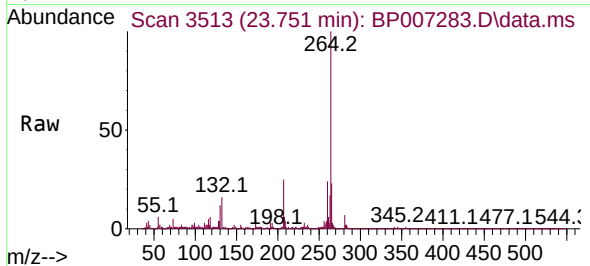




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.751 min Scan# 3513
Delta R.T. -0.012 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

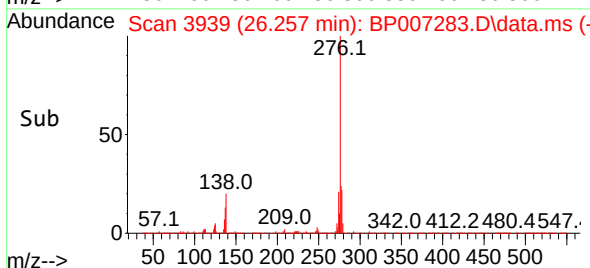
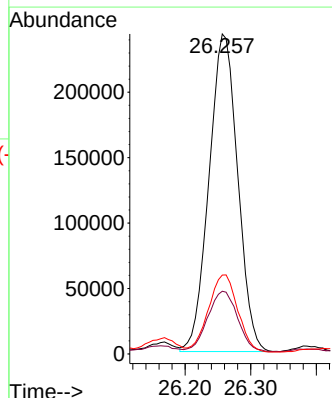
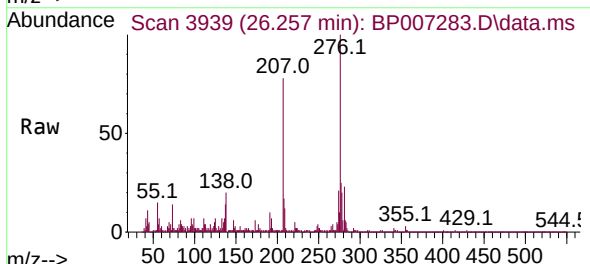
Instrument :
BNA_P
ClientSampled :
CC-15DL

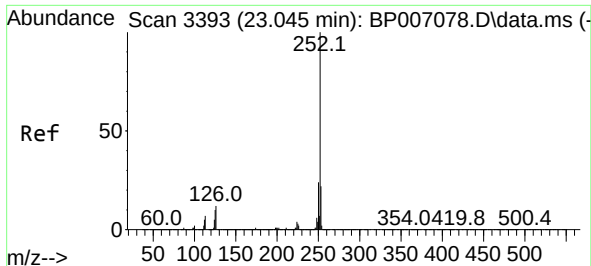
Tgt Ion:264 Resp: 1460746
Ion Ratio Lower Upper
264 100
260 24.2 18.6 28.0
265 22.7 17.6 26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.026 ng
RT: 26.257 min Scan# 3939
Delta R.T. -0.041 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Tgt Ion:276 Resp: 737607
Ion Ratio Lower Upper
276 100
138 19.7 15.3 22.9
277 24.8 20.4 30.6

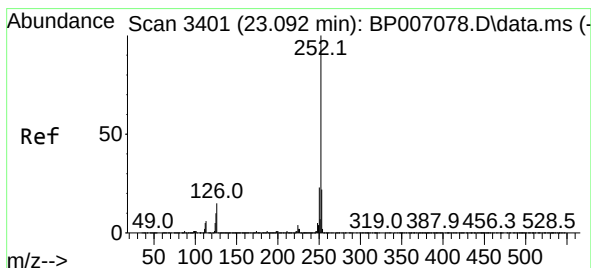
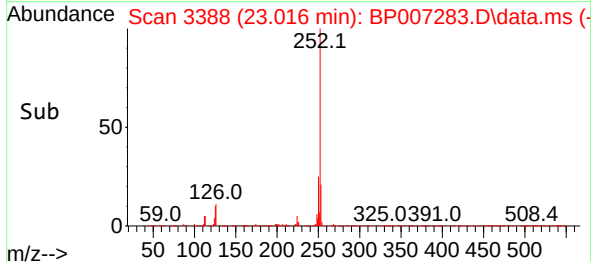
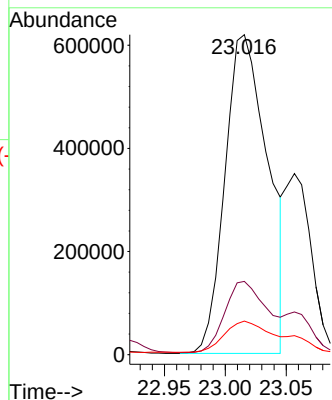
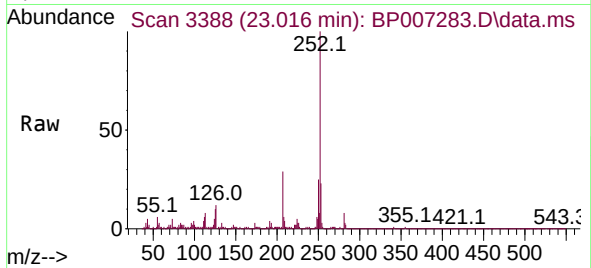




#88
Benzo(b)fluoranthene
Concen: 17.281 ng
RT: 23.016 min Scan# 3388
Delta R.T. -0.012 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

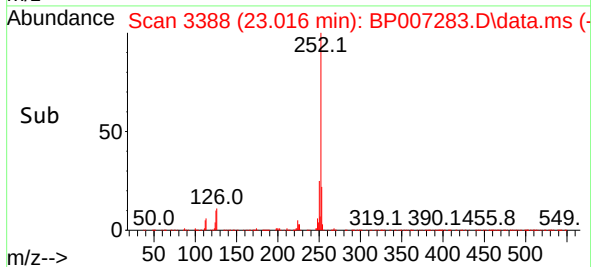
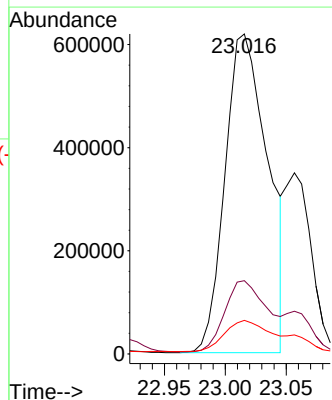
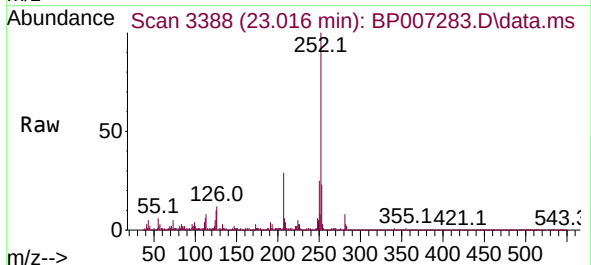
Instrument :
BNA_P
ClientSampled :
CC-15DL

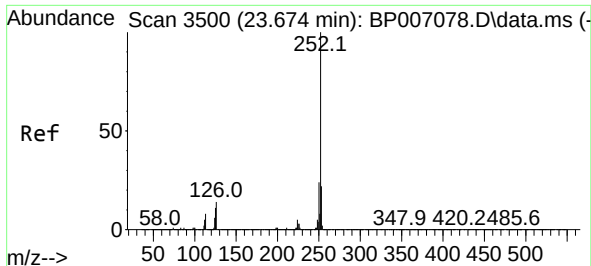
Tgt Ion:252 Resp: 1508588
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.5 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 17.068 ng
RT: 23.016 min Scan# 3388
Delta R.T. -0.059 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Tgt Ion:252 Resp: 1508588
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 10.5 6.0 9.0#

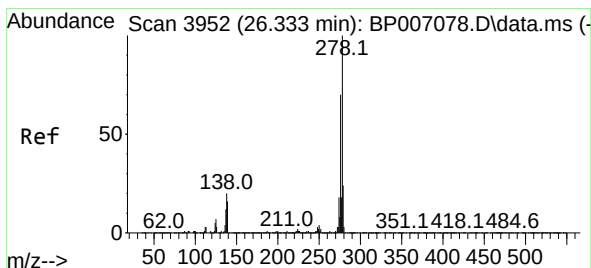
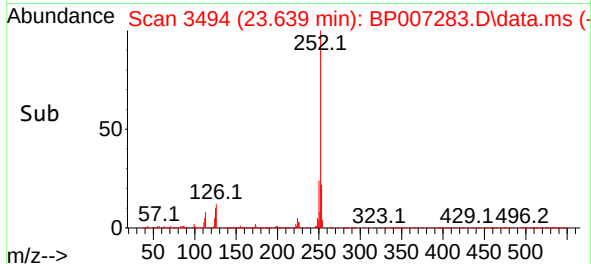
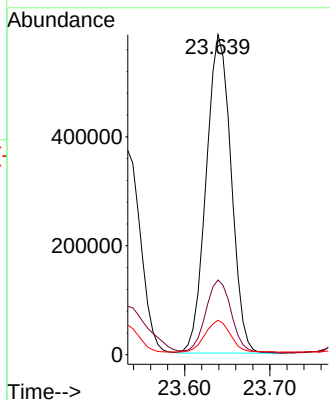
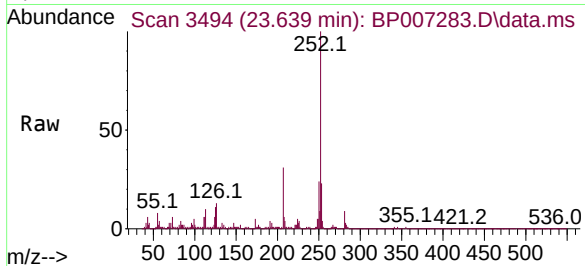




#90
Benzo(a)pyrene
Concen: 16.051 ng
RT: 23.639 min Scan# 3494
Delta R.T. -0.018 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

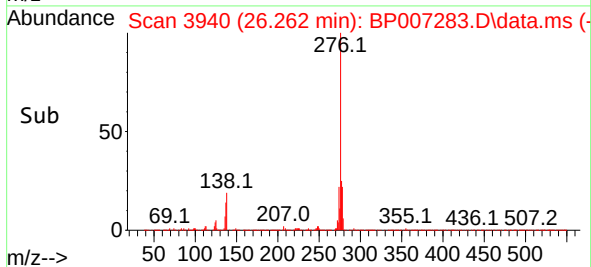
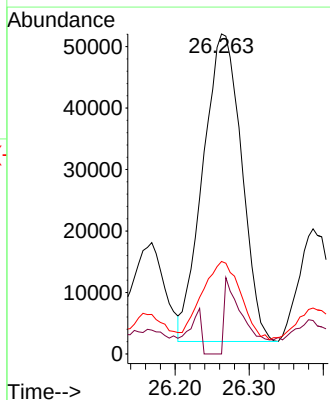
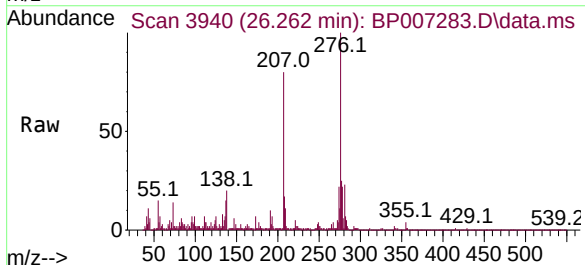
Instrument :
BNA_P
ClientSampleId :
CC-15DL

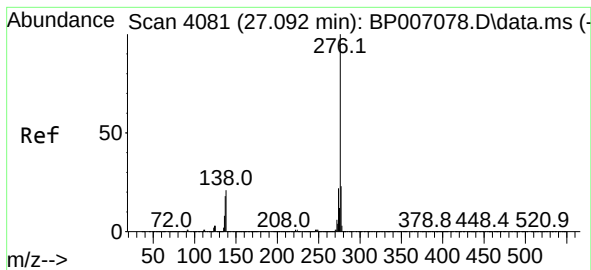
Tgt Ion:252 Resp: 1190415
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 10.8 6.5 9.7#



#91
Dibenzo(a,h)anthracene
Concen: 2.058 ng
RT: 26.262 min Scan# 3940
Delta R.T. -0.047 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Tgt Ion:278 Resp: 181012
Ion Ratio Lower Upper
278 100
139 0.0 9.3 13.9#
279 28.9 18.8 28.2#





#92
Benzo(g,h,i)perylene
Concen: 8.535 ng
RT: 27.039 min Scan# 4072
Delta R.T. -0.029 min
Lab File: BP007283.D
Acq: 30 Sep 2021 22:00

Instrument :
BNA_P
ClientSampleId :
CC-15DL

Tgt Ion:	276	Resp:	732703
Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	19.4	12.6	18.8#

