

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092921\
 Data File : BP007251.D
 Acq On : 29 Sep 2021 18:12
 Operator : CG/JU
 Sample : M3971-04 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RO-COMP-2

Quant Time: Sep 29 18:43:55 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)

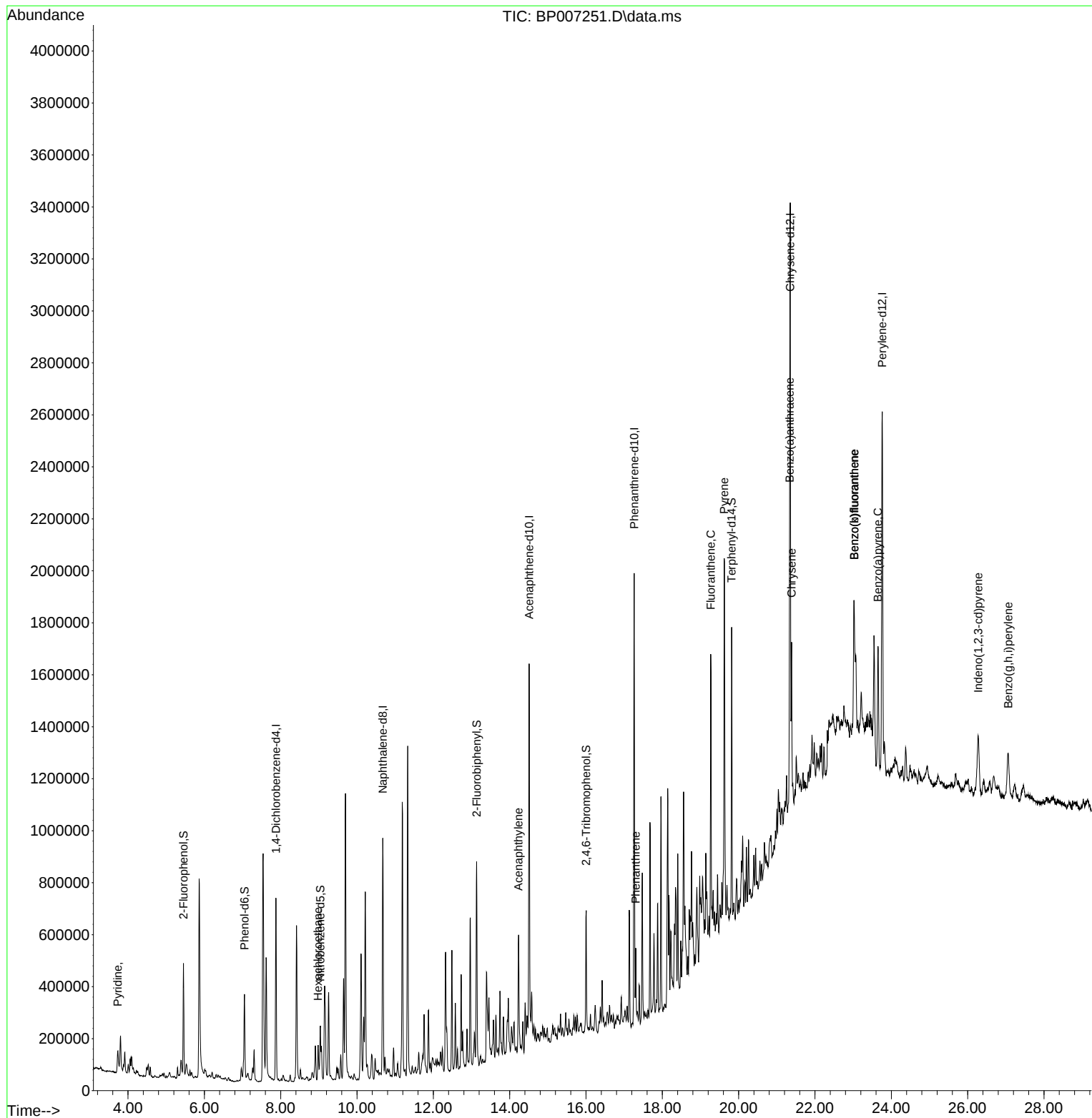
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	196961	20.000	ng	0.00
21) Naphthalene-d8	10.675	136	781516	20.000	ng	# 0.00
39) Acenaphthene-d10	14.510	164	525874	20.000	ng	0.00
64) Phenanthrene-d10	17.263	188	1044490	20.000	ng	0.00
76) Chrysene-d12	21.351	240	1021152	20.000	ng	0.00
86) Perylene-d12	23.763	264	1106406	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	196095	16.666	ng	0.00
7) Phenol-d6	7.052	99	199597	12.412	ng	0.00
23) Nitrobenzene-d5	9.040	82	121906	9.084	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	101376	14.870	ng	0.00
45) 2-Fluorobiphenyl	13.134	172	328029	8.936	ng	0.00
79) Terphenyl-d14	19.816	244	493521	9.261	ng	0.00
Target Compounds						Qvalue
3) Pyridine	3.734	79	55032	4.227	ng	# 48
18) Hexachloroethane	8.981	117	53428	10.822	ng	# 25
49) Acenaphthylene	14.234	152	319087	6.837	ng	99
71) Phenanthrene	17.304	178	166083	2.966	ng	98
75) Fluoranthene	19.269	202	589392	9.134	ng	98
78) Pyrene	19.622	202	861643	12.861	ng	99
81) Benzo(a)anthracene	21.333	228	404238	6.099	ng	97
83) Chrysene	21.386	228	360419	5.689	ng	97
87) Indeno(1,2,3-cd)pyrene	26.280	276	220774	2.777	ng	98
88) Benzo(b)fluoranthene	23.027	252	612421	9.262	ng	# 92
89) Benzo(k)fluoranthene	23.027	252	612421	9.148	ng	# 92
90) Benzo(a)pyrene	23.651	252	374037	6.658	ng	# 95
92) Benzo(g,h,i)perylene	27.062	276	247052	3.799	ng	# 95

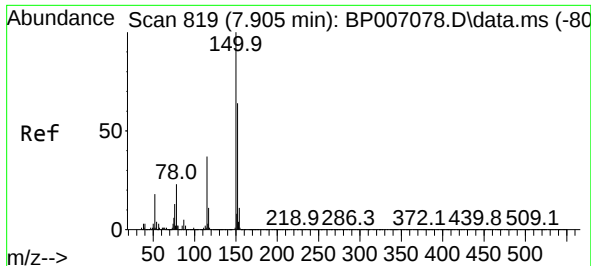
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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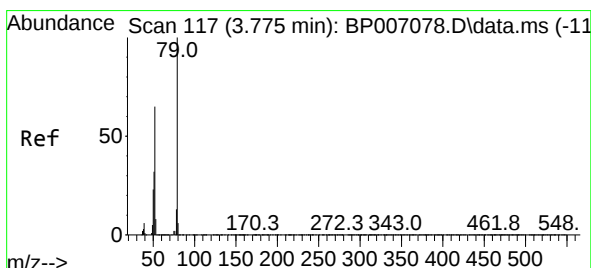
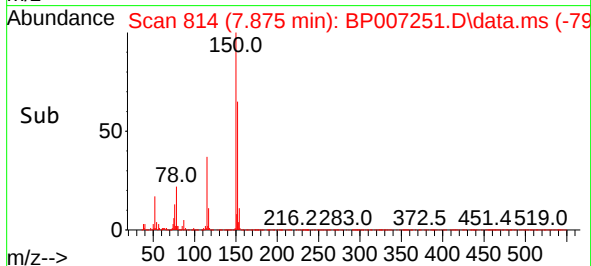
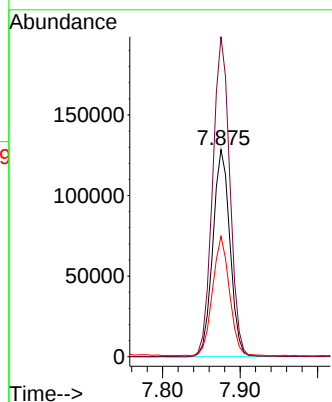
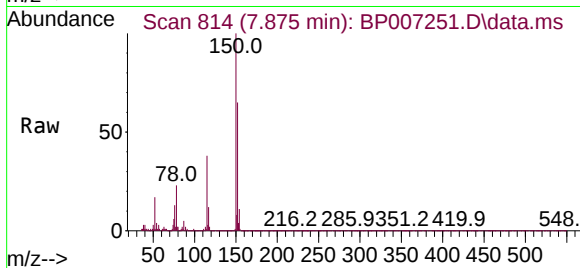




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.875 min Scan# 814
Delta R.T. 0.000 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

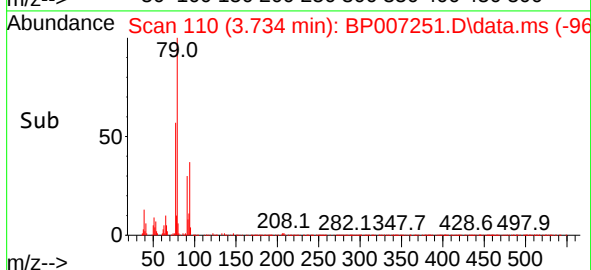
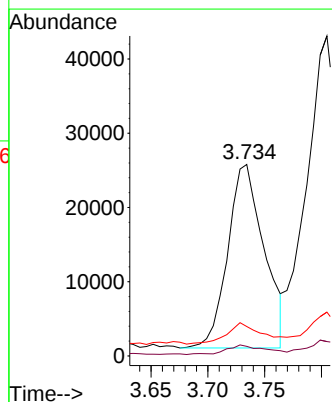
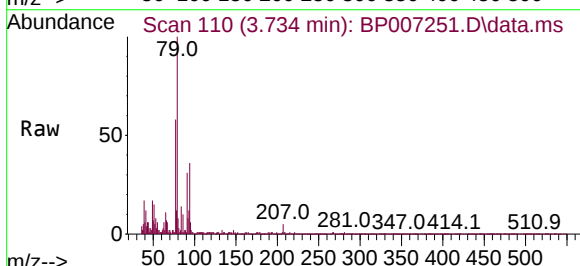
Instrument :
BNA_P
ClientSampleId :
RO-COMP-2

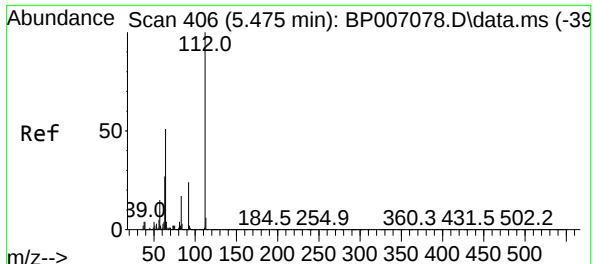
Tgt Ion:152 Resp: 196961
Ion Ratio Lower Upper
152 100
150 154.5 125.6 188.4
115 58.1 48.5 72.7



#3
Pyridine
Concen: 4.227 ng
RT: 3.734 min Scan# 110
Delta R.T. -0.018 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

Tgt Ion: 79 Resp: 55032
Ion Ratio Lower Upper
79 100
52 5.0 41.7 62.5#
51 15.4 24.1 36.1#

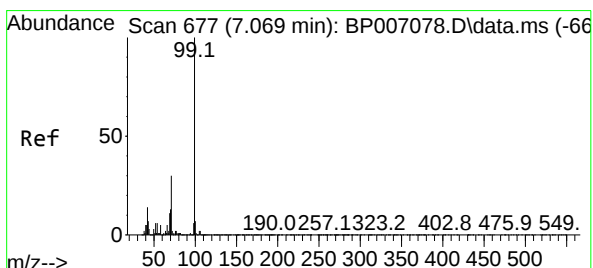
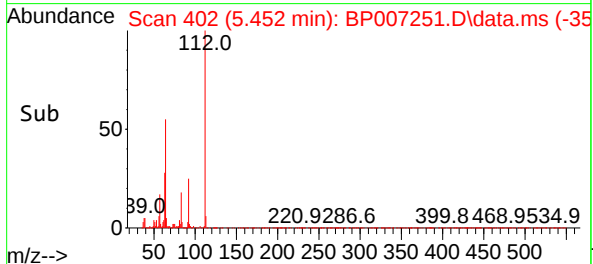
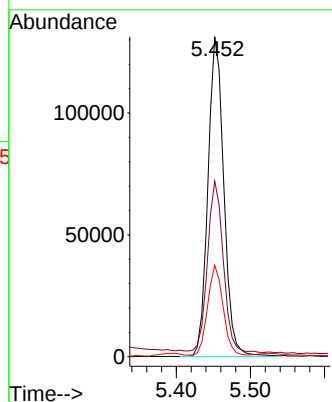
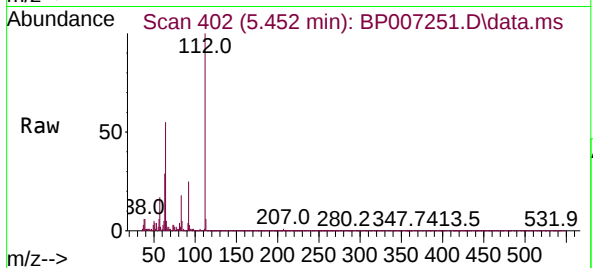




#5
2-Fluorophenol
Concen: 16.666 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.000 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

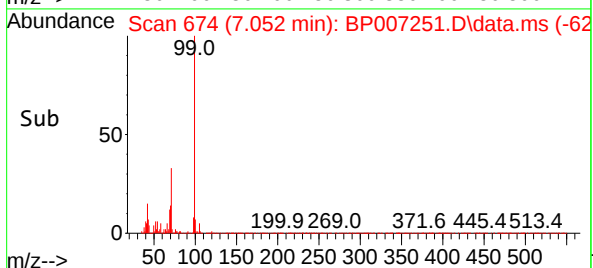
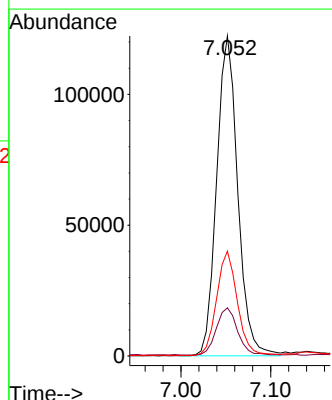
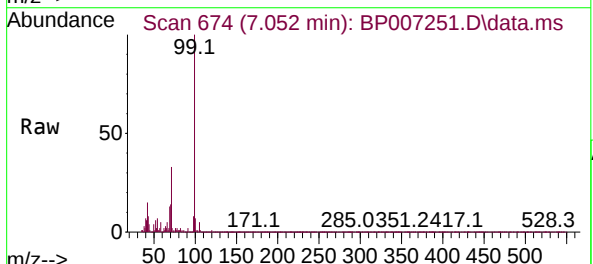
Instrument :
BNA_P
ClientSampleId :
RO-COMP-2

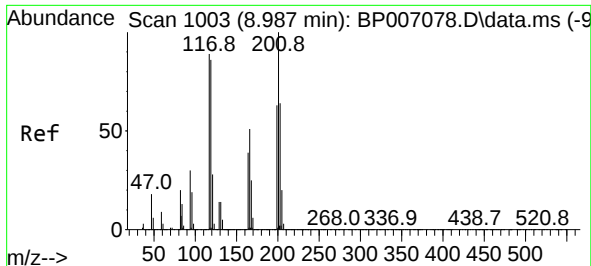
Tgt Ion:112 Resp: 196095
Ion Ratio Lower Upper
112 100
64 54.9 41.4 62.2
63 28.5 23.8 35.8



#7
Phenol-d6
Concen: 12.412 ng
RT: 7.052 min Scan# 674
Delta R.T. 0.000 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

Tgt Ion: 99 Resp: 199597
Ion Ratio Lower Upper
99 100
42 15.0 13.4 20.0
71 32.8 30.6 46.0

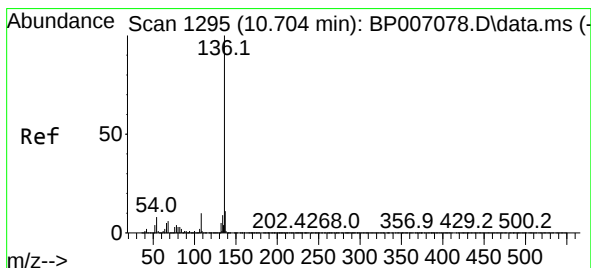
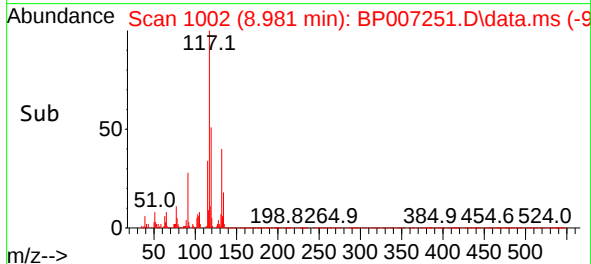
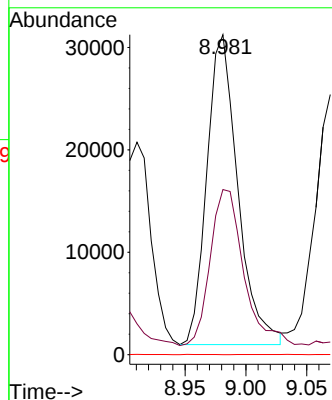
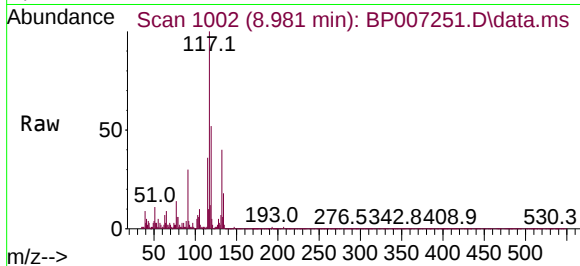




#18
Hexachloroethane
Concen: 10.822 ng
RT: 8.981 min Scan# 1002
Delta R.T. 0.029 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

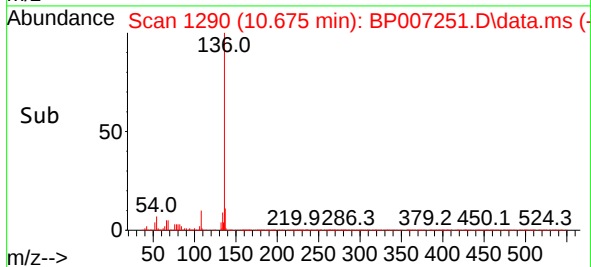
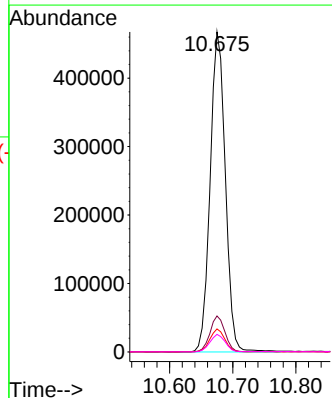
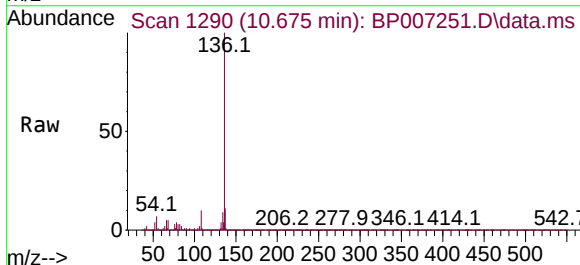
Instrument :
BNA_P
ClientSampleId :
RO-COMP-2

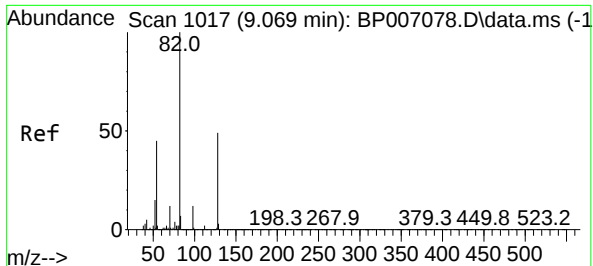
Tgt Ion:117 Resp: 53428
Ion Ratio Lower Upper
117 100
119 51.6 76.2 114.2#
201 0.0 83.4 125.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.675 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

Tgt Ion:136 Resp: 781516
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 7.2 4.6 6.8#
68 5.5 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 9.084 ng

RT: 9.040 min Scan# 1012

Delta R.T. 0.000 min

Lab File: BP007251.D

Acq: 29 Sep 2021 18:12

Instrument :

BNA_P

ClientSampleId :

RO-COMP-2

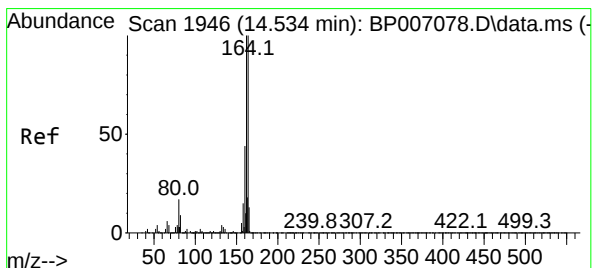
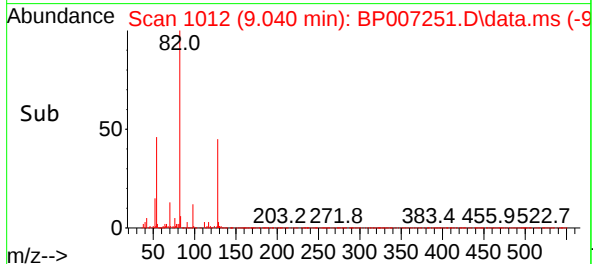
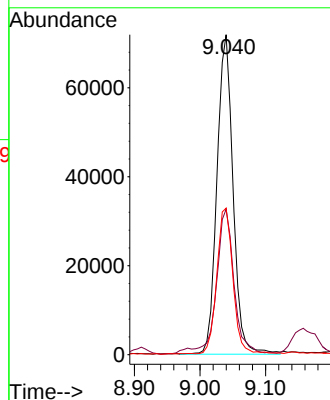
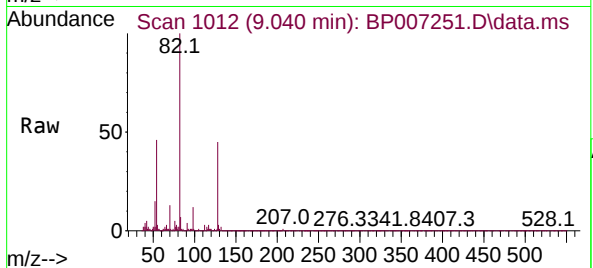
Tgt Ion: 82 Resp: 121906

Ion Ratio Lower Upper

82 100

128 45.4 35.7 53.5

54 45.8 35.0 52.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.510 min Scan# 1942

Delta R.T. 0.000 min

Lab File: BP007251.D

Acq: 29 Sep 2021 18:12

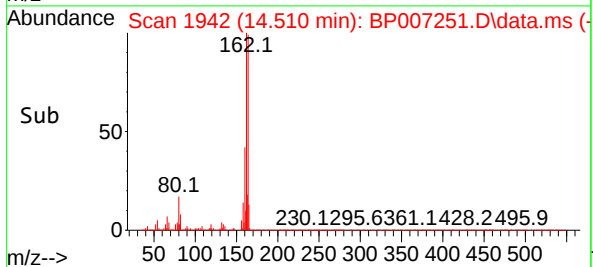
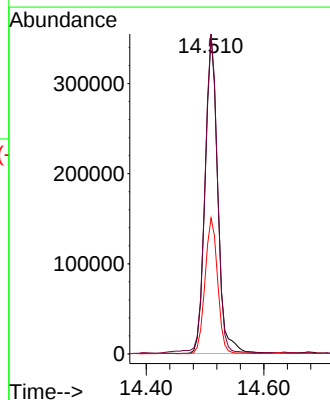
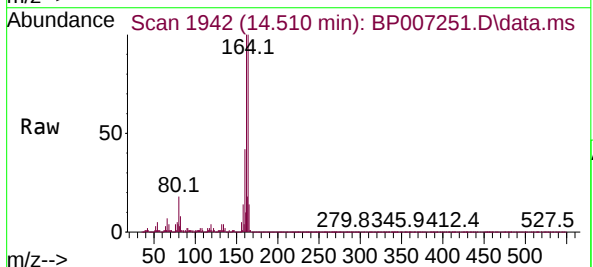
Tgt Ion:164 Resp: 525874

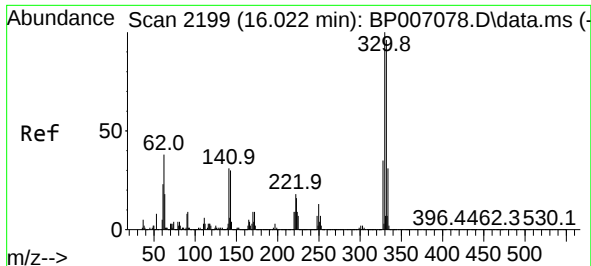
Ion Ratio Lower Upper

164 100

162 100.5 80.2 120.2

160 42.7 34.5 51.7

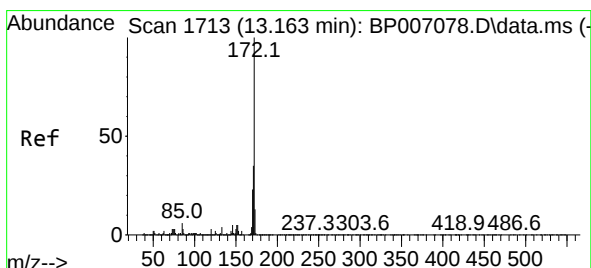
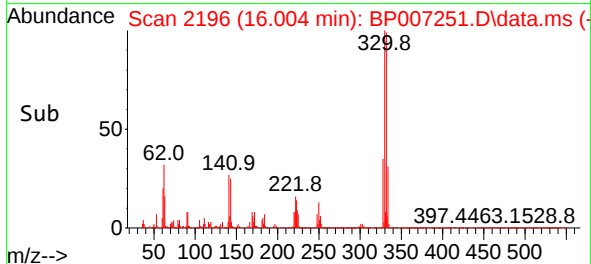
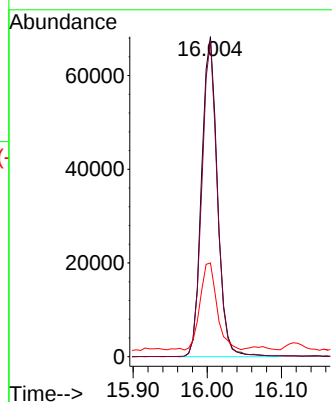
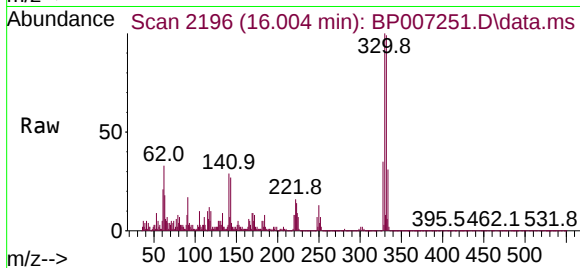




#42
2,4,6-Tribromophenol
Concen: 14.870 ng
RT: 16.004 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

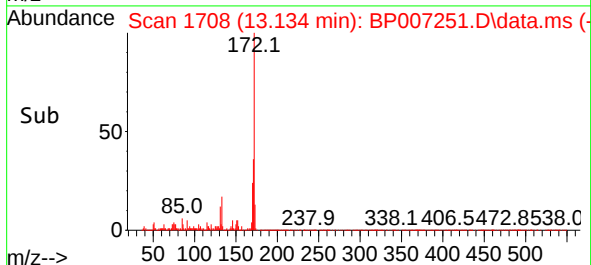
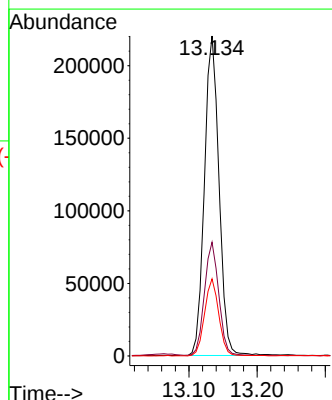
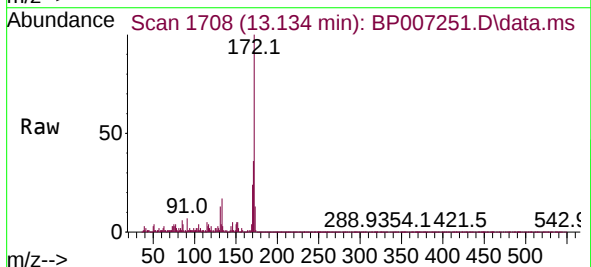
Instrument :
BNA_P
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RO-COMP-2

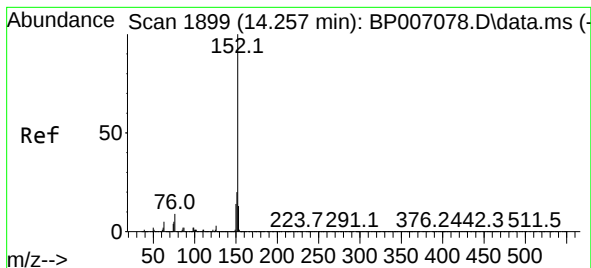
Tgt Ion:330 Resp: 101376
Ion Ratio Lower Upper
330 100
332 96.7 77.8 116.8
141 29.9 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 8.936 ng
RT: 13.134 min Scan# 1708
Delta R.T. 0.000 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

Tgt Ion:172 Resp: 328029
Ion Ratio Lower Upper
172 100
171 35.6 27.9 41.9
170 24.1 18.6 27.8





#49

Acenaphthylene

Concen: 6.837 ng

RT: 14.234 min Scan# 1895

Delta R.T. 0.000 min

Lab File: BP007251.D

Acq: 29 Sep 2021 18:12

Instrument :

BNA_P

ClientSampleId :

RO-COMP-2

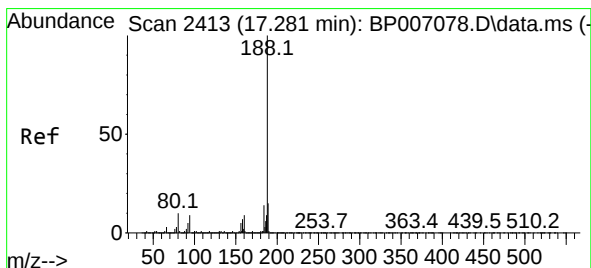
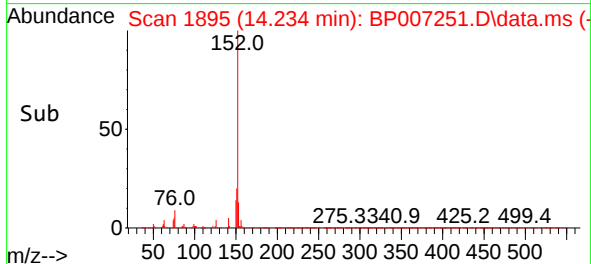
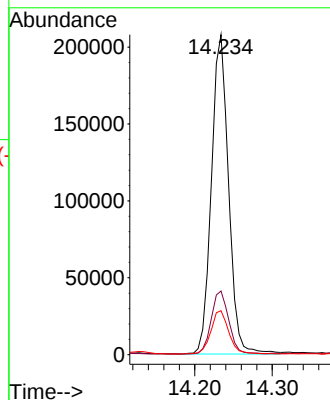
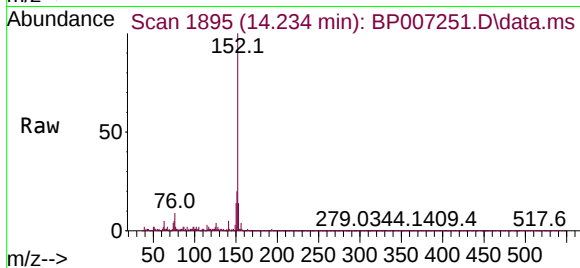
Tgt Ion:152 Resp: 319087

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

153 13.8 10.6 16.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.263 min Scan# 2410

Delta R.T. 0.000 min

Lab File: BP007251.D

Acq: 29 Sep 2021 18:12

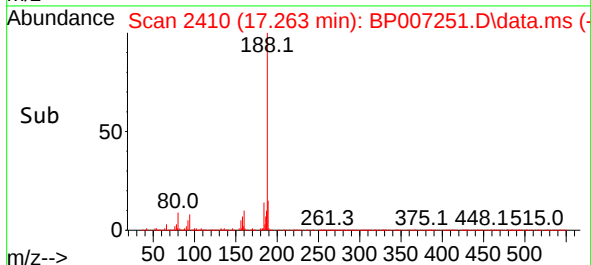
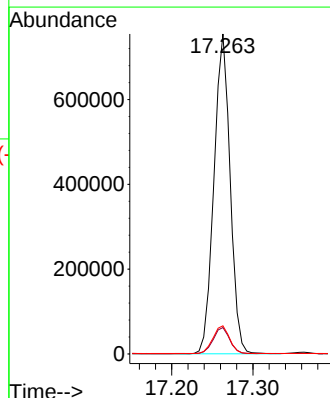
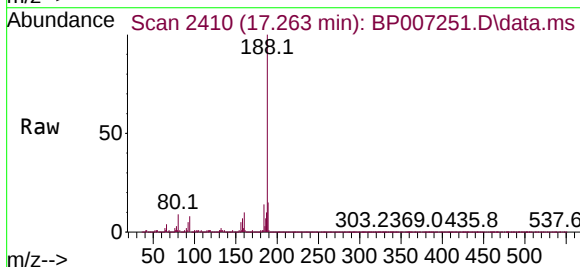
Tgt Ion:188 Resp: 1044490

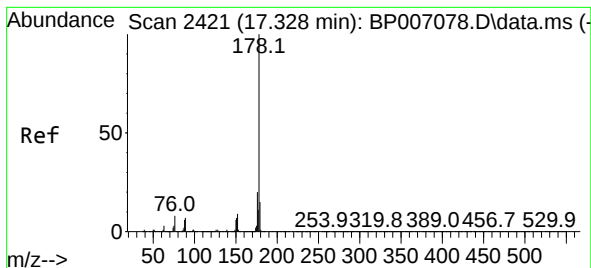
Ion Ratio Lower Upper

188 100

94 8.3 5.6 8.4

80 8.8 6.3 9.5

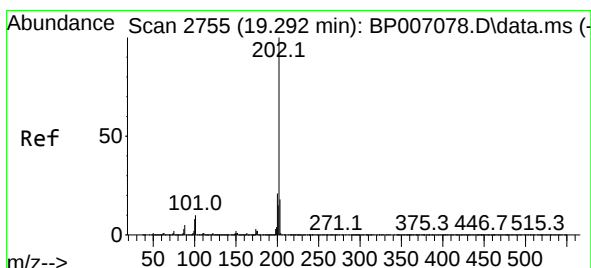
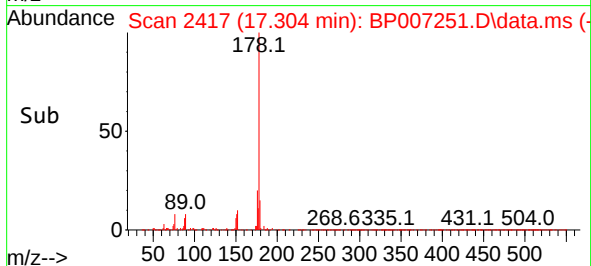
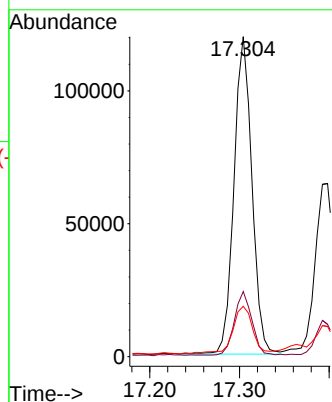
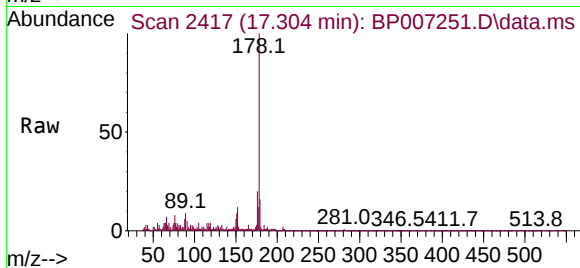




#71
Phenanthrene
Concen: 2.966 ng
RT: 17.304 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

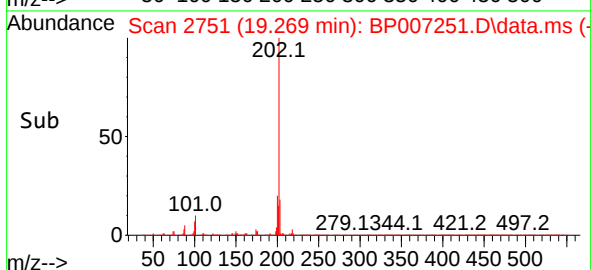
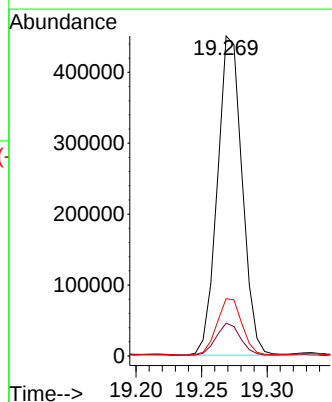
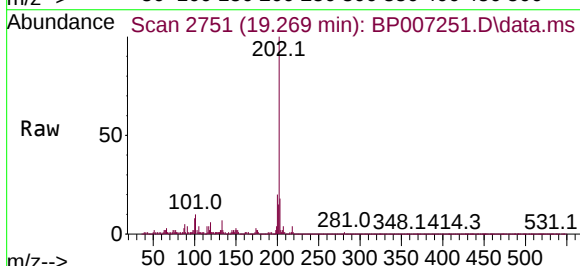
Instrument :
BNA_P
ClientSampleId :
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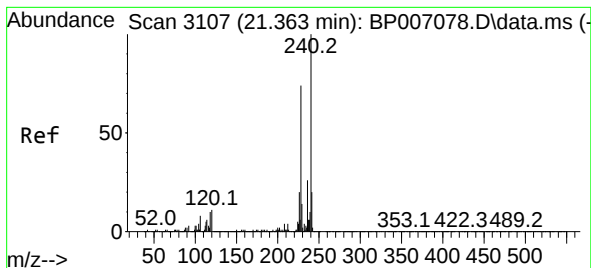
Tgt Ion:178 Resp: 166083
Ion Ratio Lower Upper
178 100
176 20.3 15.1 22.7
179 15.7 12.4 18.6



#75
Fluoranthene
Concen: 9.134 ng
RT: 19.269 min Scan# 2751
Delta R.T. -0.006 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

Tgt Ion:202 Resp: 589392
Ion Ratio Lower Upper
202 100
101 10.2 0.0 27.6
203 17.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.351 min Scan# 3105

Delta R.T. 0.000 min

Lab File: BP007251.D

Acq: 29 Sep 2021 18:12

Instrument :

BNA_P

ClientSampleId :

RO-COMP-2

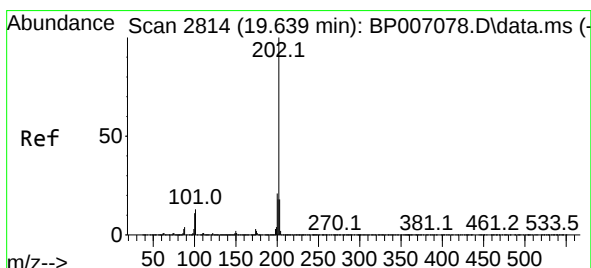
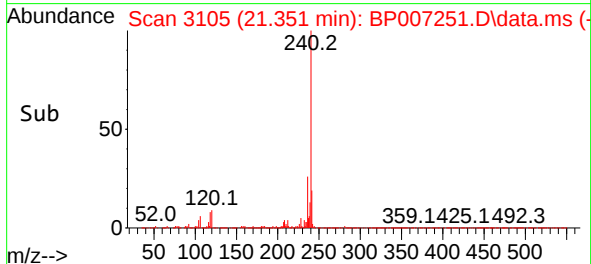
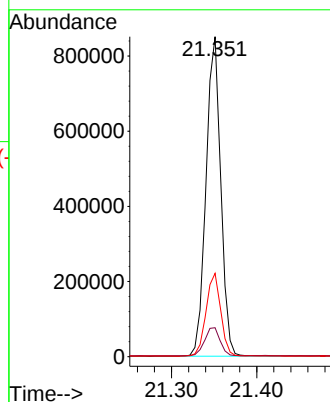
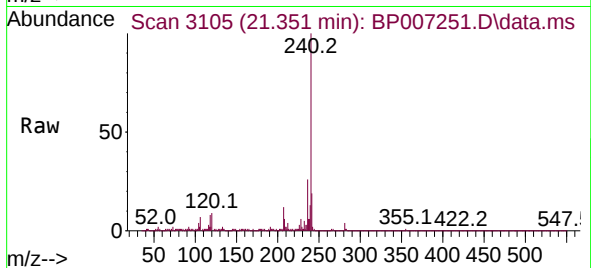
Tgt Ion:240 Resp: 1021152

Ion Ratio Lower Upper

240 100

120 9.1 6.5 9.7

236 26.1 20.6 31.0



#78

Pyrene

Concen: 12.861 ng

RT: 19.622 min Scan# 2811

Delta R.T. -0.006 min

Lab File: BP007251.D

Acq: 29 Sep 2021 18:12

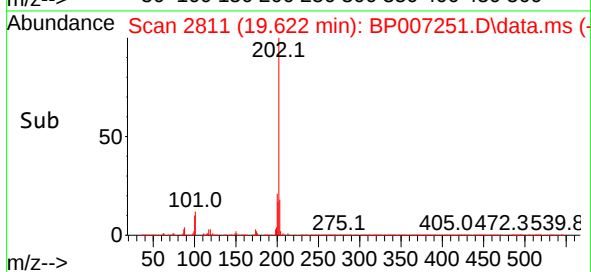
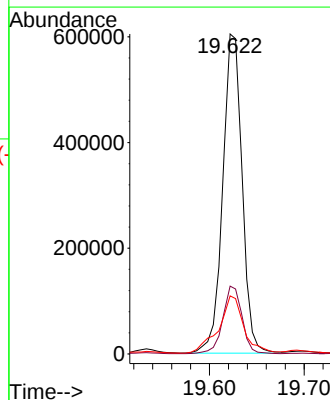
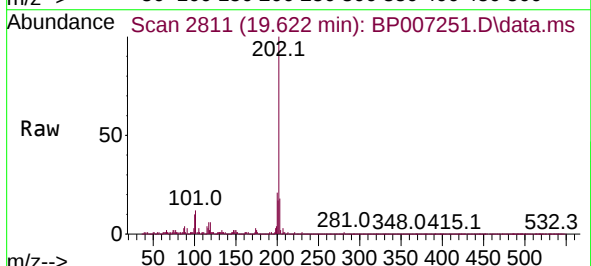
Tgt Ion:202 Resp: 861643

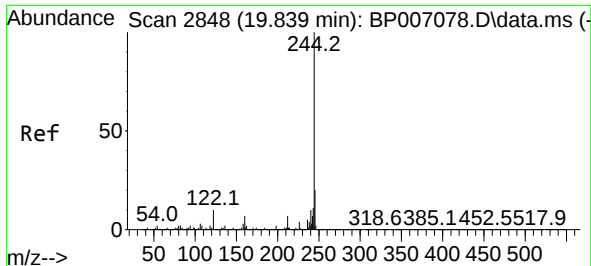
Ion Ratio Lower Upper

202 100

200 21.2 16.3 24.5

203 18.2 14.2 21.2



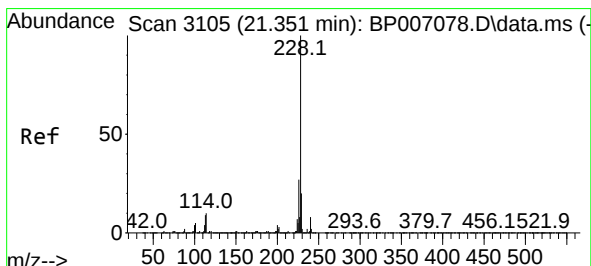
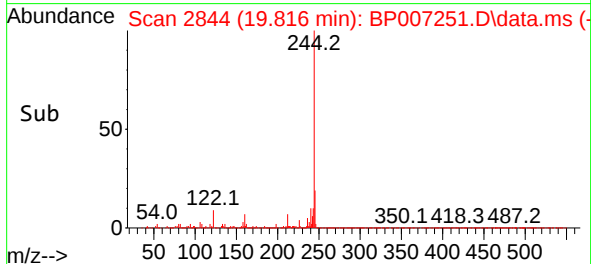
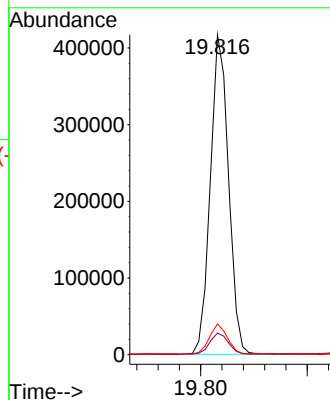
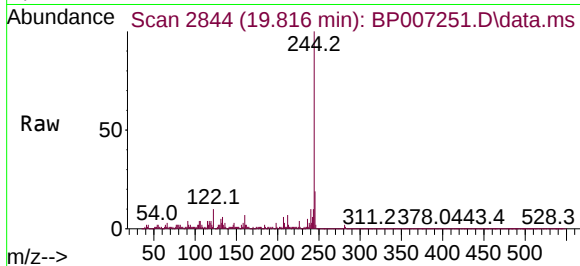


#79
 Terphenyl-d14
 Concen: 9.261 ng
 RT: 19.816 min Scan# 2844
 Delta R.T. -0.006 min
 Lab File: BP007251.D
 Acq: 29 Sep 2021 18:12

Instrument :
 BNA_P
 ClientSampleId :
 RO-COMP-2

Tgt Ion:244 Resp: 493521

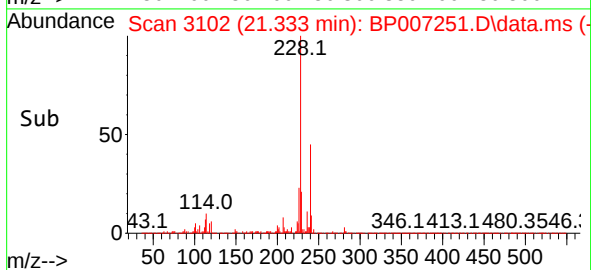
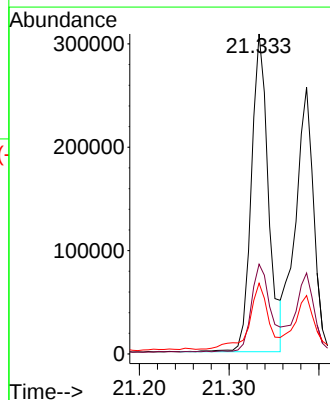
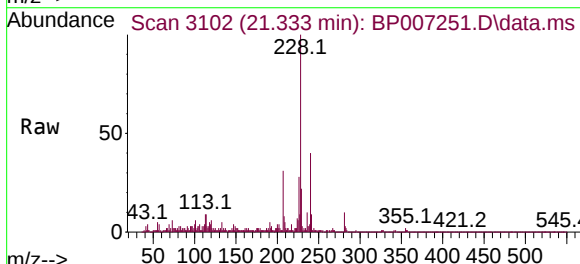
Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	9.6	7.1	10.7

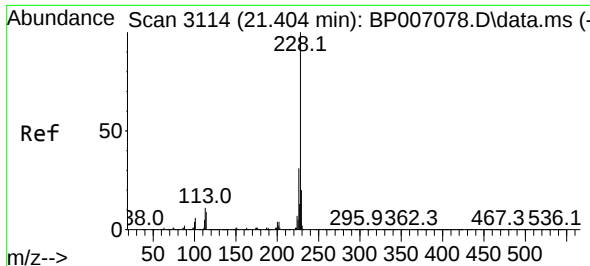


#81
 Benzo(a)anthracene
 Concen: 6.099 ng
 RT: 21.333 min Scan# 3102
 Delta R.T. -0.006 min
 Lab File: BP007251.D
 Acq: 29 Sep 2021 18:12

Tgt Ion:228 Resp: 404238

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.6	32.4
229	22.1	15.8	23.6

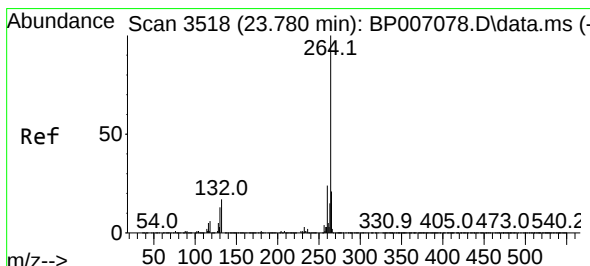
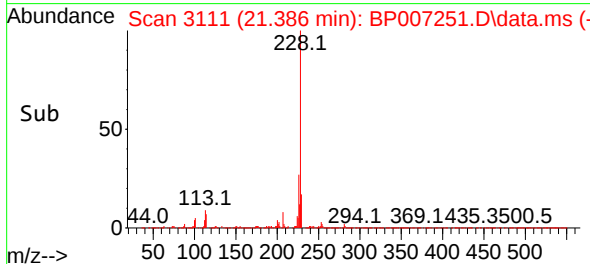
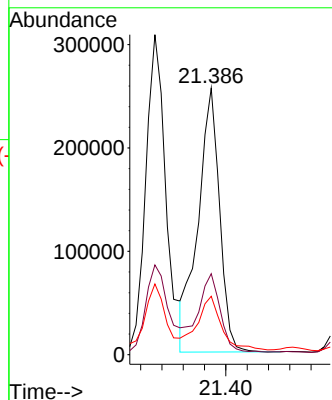
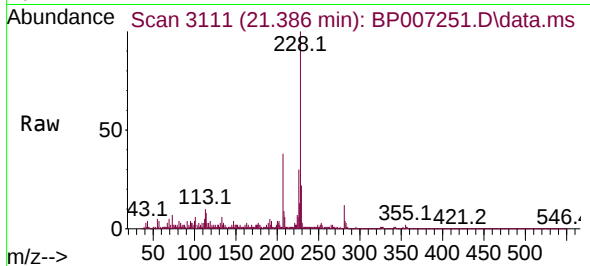




#83
Chrysene
Concen: 5.689 ng
RT: 21.386 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

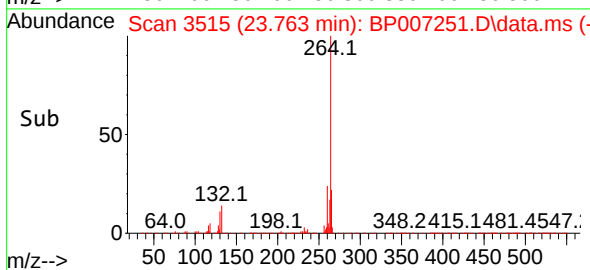
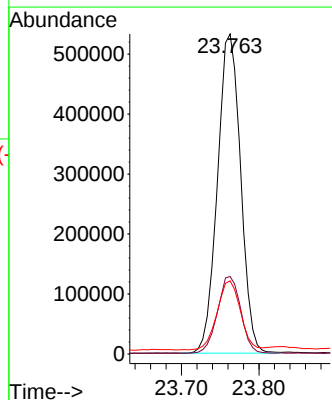
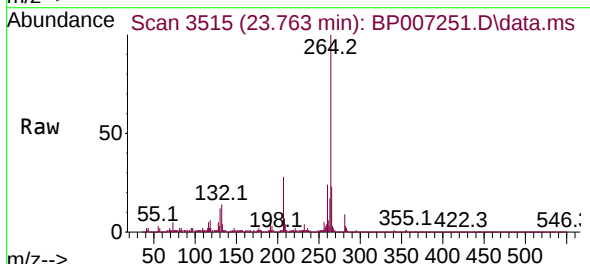
Instrument :
BNA_P
ClientSampleId :
RO-COMP-2

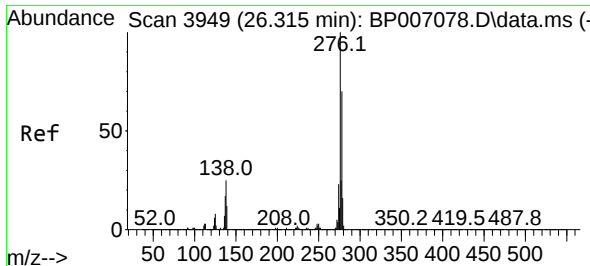
Tgt	Ion:228	Resp:	360419
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.6
229	21.9	15.4	23.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.763 min Scan# 3515
Delta R.T. 0.000 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

Tgt	Ion:264	Resp:	1106406
Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	28.0
265	22.9	17.6	26.4

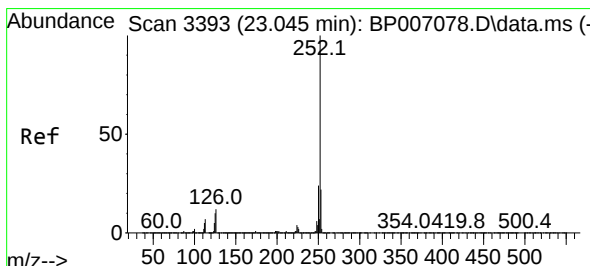
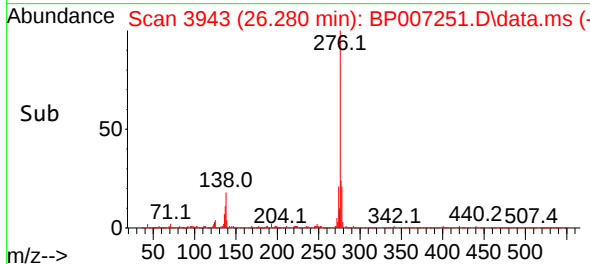
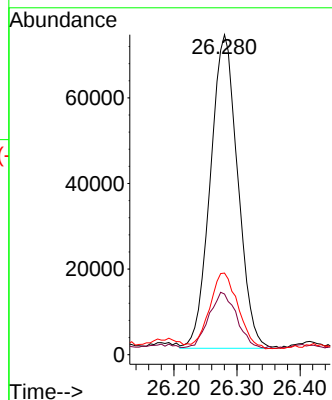
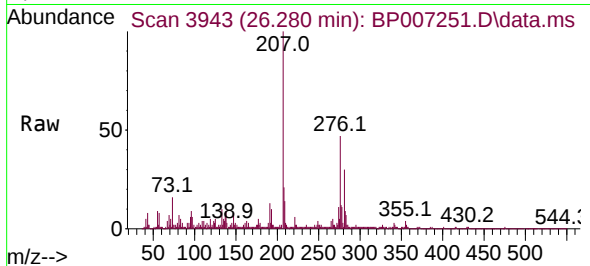




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.777 ng
RT: 26.280 min Scan# 3943
Delta R.T. -0.018 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

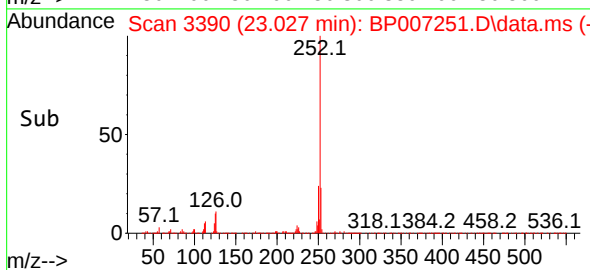
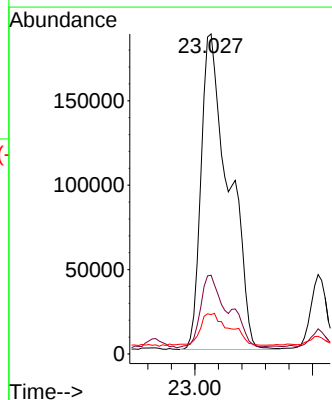
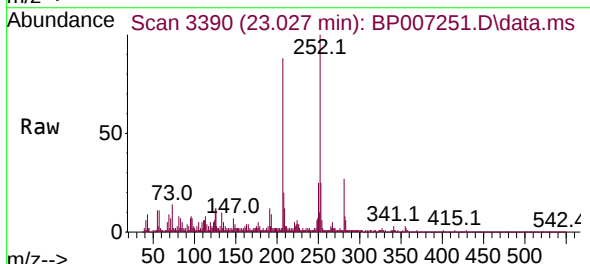
Instrument :
BNA_P
ClientSampleId :
RO-COMP-2

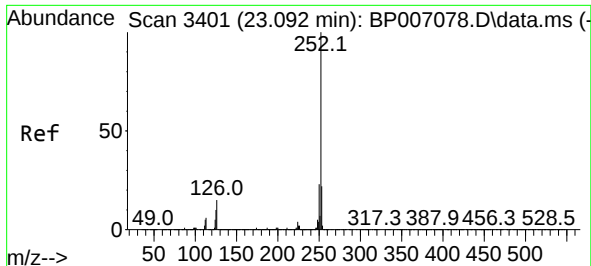
Tgt Ion:	276	Resp:	220774
Ion Ratio	Lower	Upper	
276	100		
138	17.7	15.3	22.9
277	24.9	20.4	30.6



#88
Benzo(b)fluoranthene
Concen: 9.262 ng
RT: 23.027 min Scan# 3390
Delta R.T. 0.000 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

Tgt Ion:	252	Resp:	612421
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.5	26.3
125	12.3	6.2	9.4#

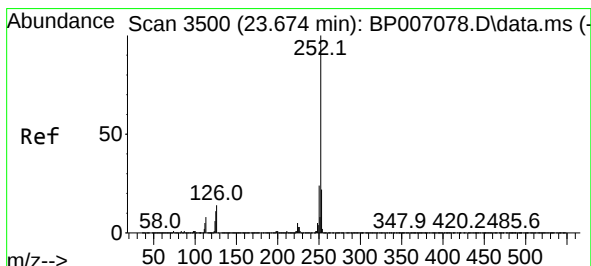
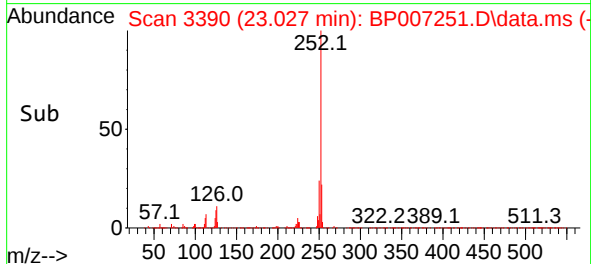
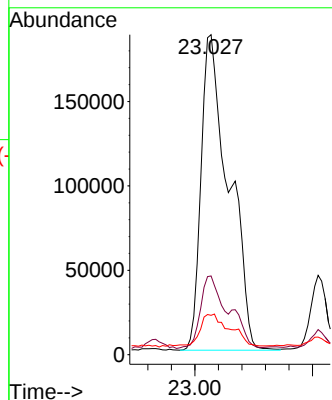
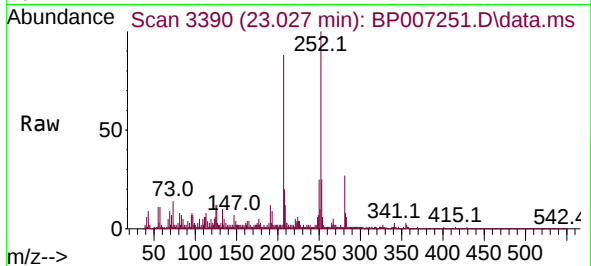




#89
Benzo(k)fluoranthene
Concen: 9.148 ng
RT: 23.027 min Scan# 3390
Delta R.T. -0.047 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

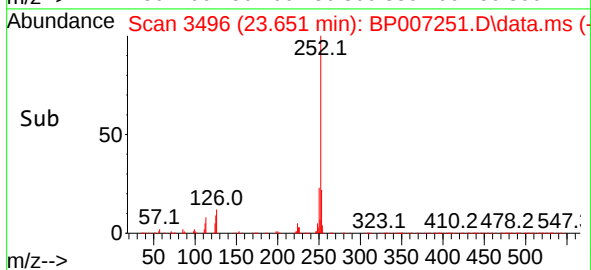
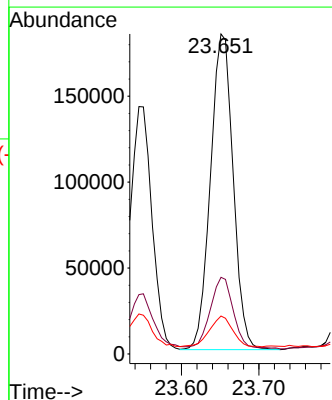
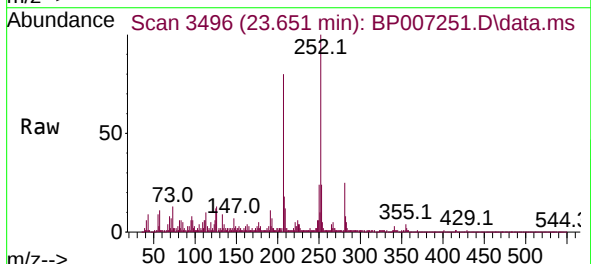
Instrument :
BNA_P
ClientSampleId :
RO-COMP-2

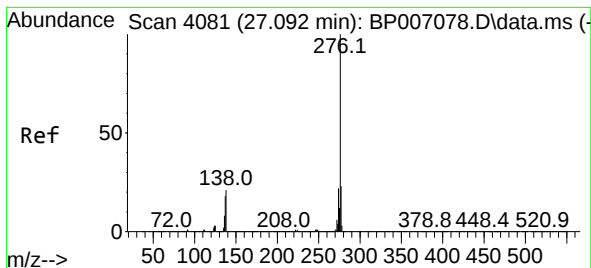
Tgt Ion:252 Resp: 612421
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 12.3 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 6.658 ng
RT: 23.651 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

Tgt Ion:252 Resp: 374037
Ion Ratio Lower Upper
252 100
253 23.9 17.9 26.9
125 11.8 6.5 9.7#





#92
Benzo(g,h,i)perylene
Concen: 3.799 ng
RT: 27.062 min Scan# 4076
Delta R.T. -0.006 min
Lab File: BP007251.D
Acq: 29 Sep 2021 18:12

Instrument :
BNA_P
ClientSampleId :
RO-COMP-2

Tgt Ion:276 Resp: 247052
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 19.2 12.6 18.8#

