

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100621\
 Data File : BP007363.D
 Acq On : 06 Oct 2021 20:17
 Operator : CG/JU
 Sample : M4057-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SHAFT-17B-SP

Quant Time: Oct 07 01:47:58 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP092121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 01 12:49:05 2021
 Response via : Initial Calibration

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

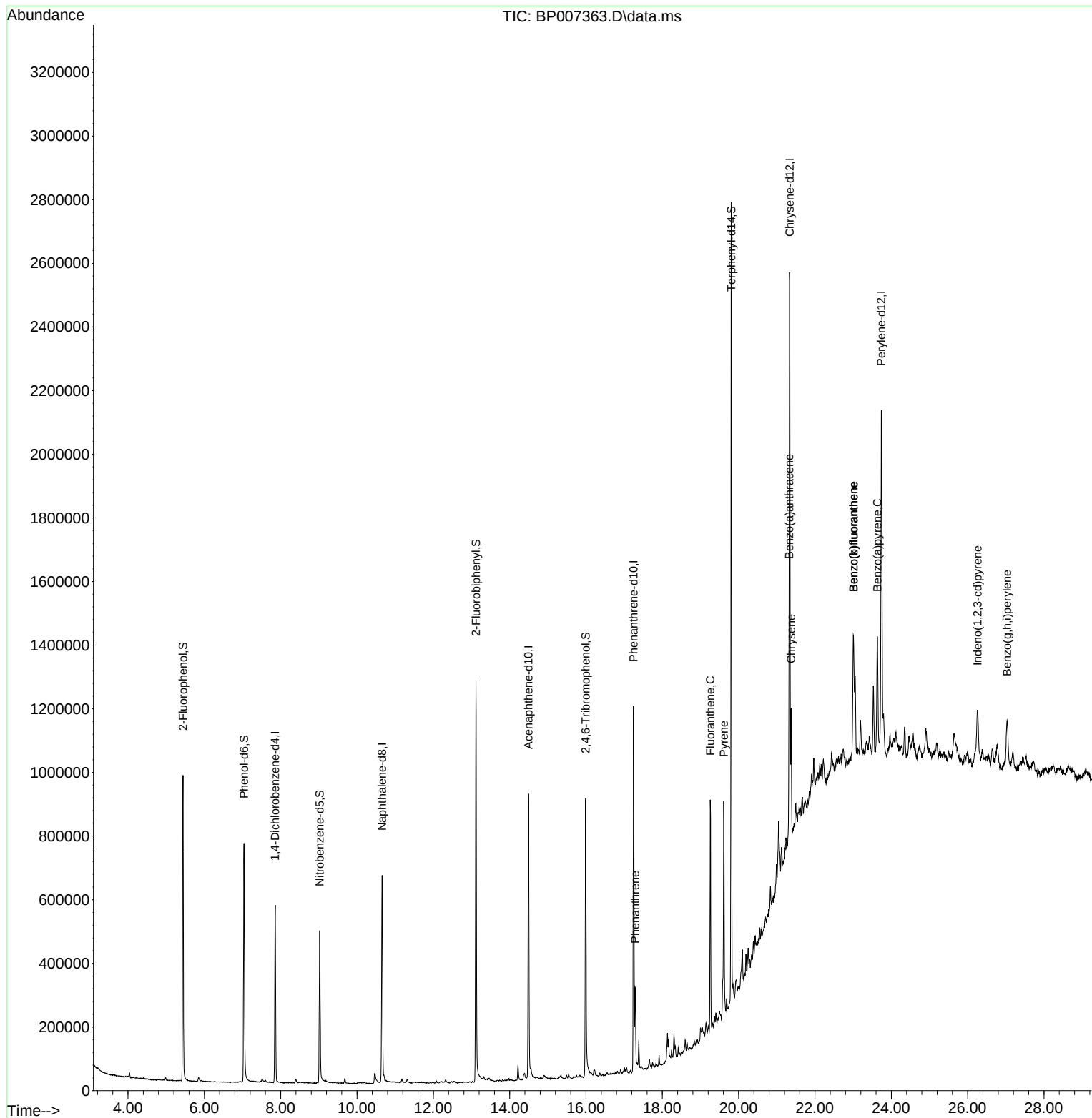
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	157606	20.000	ng	0.00
21) Naphthalene-d8	10.657	136	587223	20.000	ng	# 0.00
39) Acenaphthene-d10	14.492	164	357435	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	770582	20.000	ng	# 0.00
76) Chrysene-d12	21.339	240	793011	20.000	ng	0.00
86) Perylene-d12	23.739	264	851546	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	442188	46.965	ng	-0.01
7) Phenol-d6	7.040	99	502950	39.084	ng	-0.01
23) Nitrobenzene-d5	9.022	82	306336	30.380	ng	0.00
42) 2,4,6-Tribromophenol	15.992	330	202082	43.609	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	747277	29.951	ng	-0.01
79) Terphenyl-d14	19.810	244	1220148	29.484	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.292	178	156144	3.779	ng	100
75) Fluoranthene	19.257	202	428055	8.992	ng	98
78) Pyrene	19.610	202	411496	7.909	ng	98
81) Benzo(a)anthracene	21.321	228	259324	5.038	ng	96
83) Chrysene	21.374	228	232931	4.735	ng	95
87) Indeno(1,2,3-cd)pyrene	26.256	276	186127	3.041	ng	99
88) Benzo(b)fluoranthene	23.009	252	355928	6.994	ng	# 92
89) Benzo(k)fluoranthene	23.009	252	355928	6.908	ng	# 92
90) Benzo(a)pyrene	23.633	252	258208	5.972	ng	# 93
92) Benzo(g,h,i)perylene	27.033	276	188652	3.769	ng	# 92

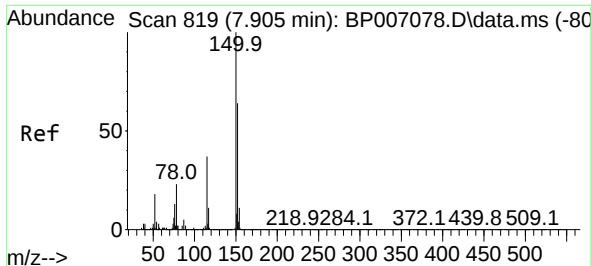
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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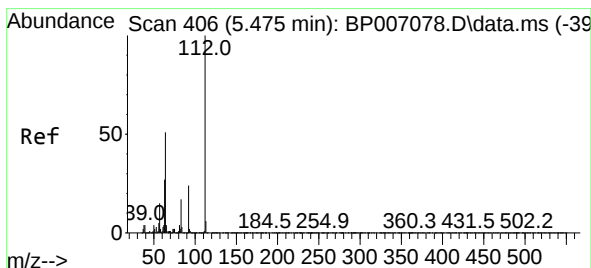
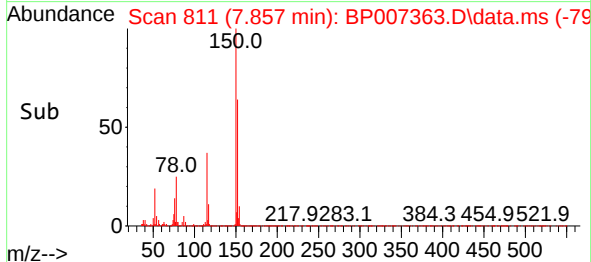
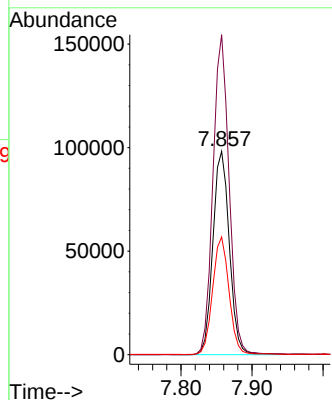
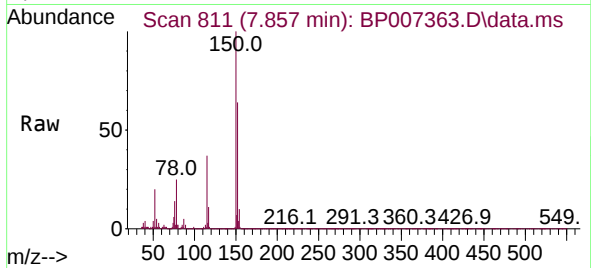




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

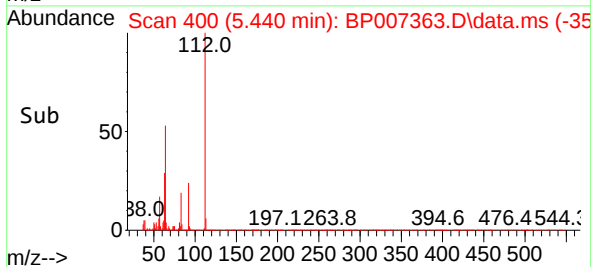
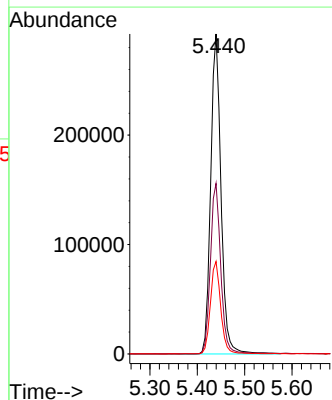
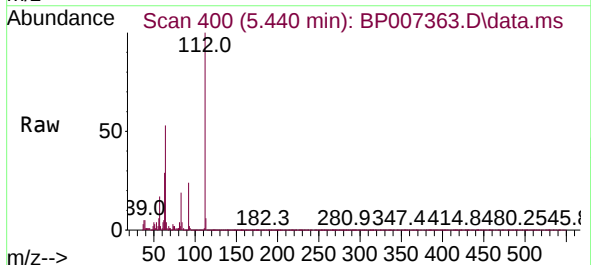
Instrument :
BNA_P
ClientSampleId :
SHAFT-17B-SP

Tgt Ion:152 Resp: 157606
Ion Ratio Lower Upper
152 100
150 157.3 125.6 188.4
115 57.9 48.5 72.7



#5
2-Fluorophenol
Concen: 46.965 ng
RT: 5.440 min Scan# 400
Delta R.T. -0.012 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

Tgt Ion:112 Resp: 442188
Ion Ratio Lower Upper
112 100
64 53.3 41.4 62.2
63 28.9 23.8 35.8

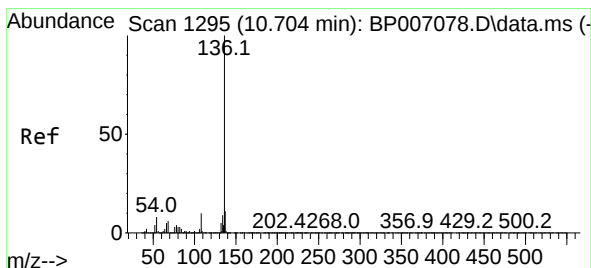
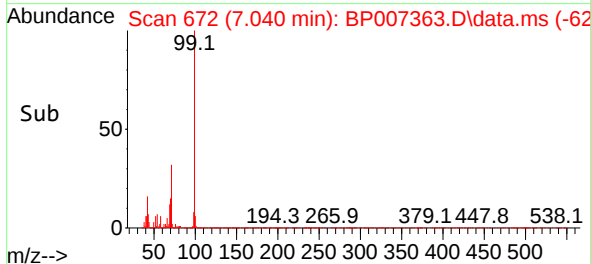
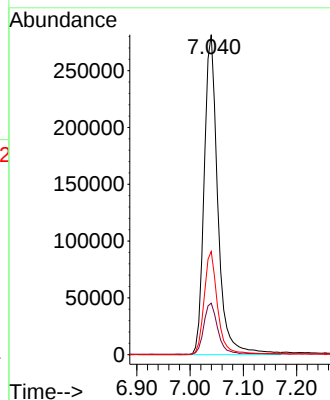
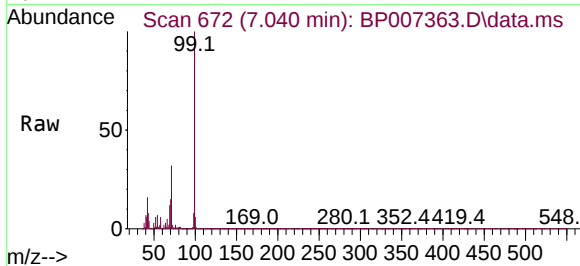




#7
Phenol-d6
Concen: 39.084 ng
RT: 7.040 min Scan# 672
Delta R.T. -0.012 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

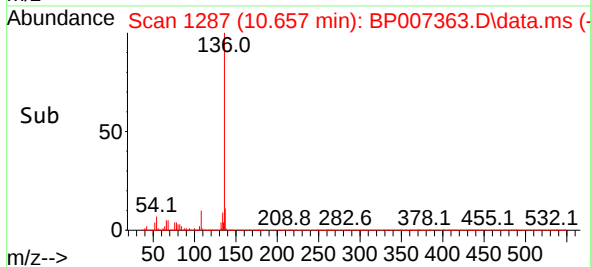
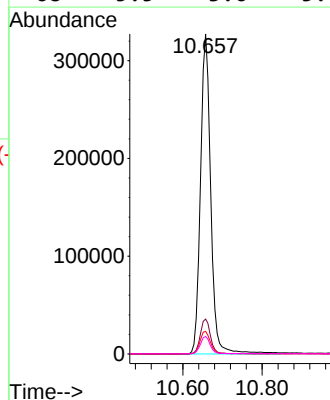
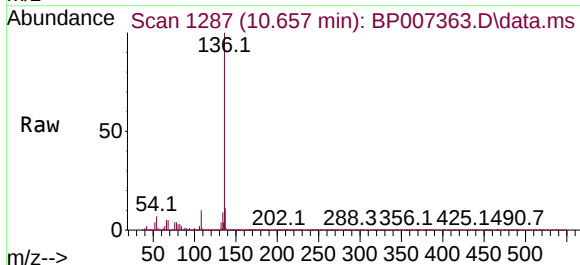
Instrument :
BNA_P
ClientSampleId :
SHAFT-17B-SP

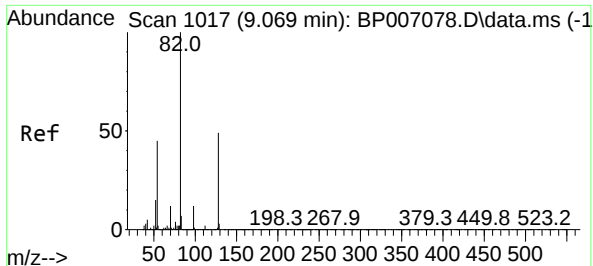
Tgt Ion:	99	Resp:	502950
Ion	Ratio	Lower	Upper
99	100		
42	16.1	13.4	20.0
71	32.2	30.6	46.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.657 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

Tgt Ion:	136	Resp:	587223
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	7.0	4.6	6.8#
68	5.5	3.6	5.4#

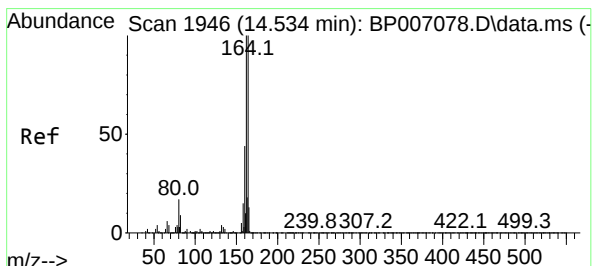
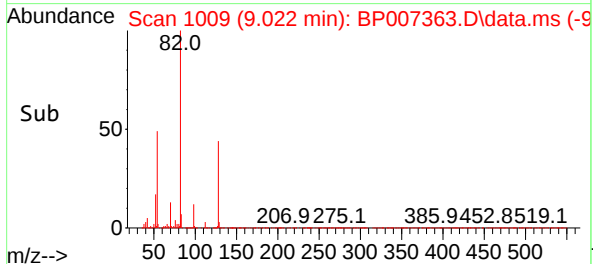
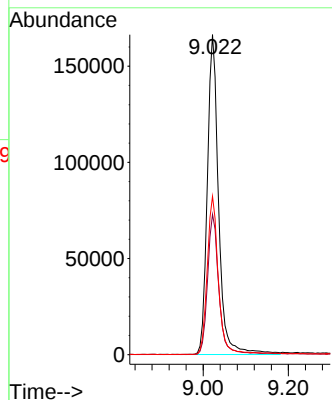
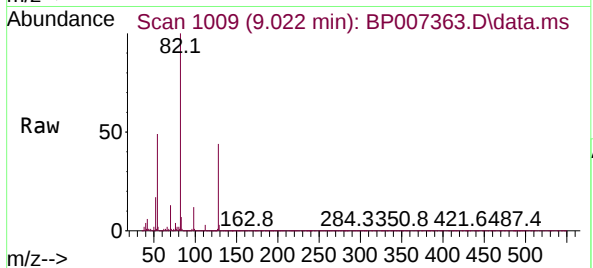




#23
Nitrobenzene-d5
Concen: 30.380 ng
RT: 9.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

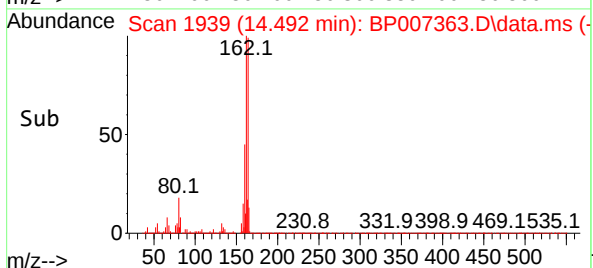
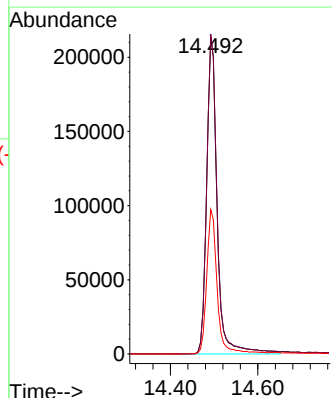
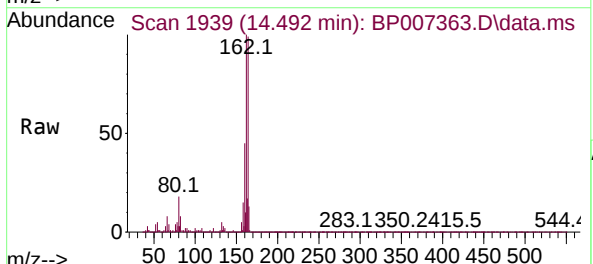
Instrument :
BNA_P
ClientSampleId :
SHAFT-17B-SP

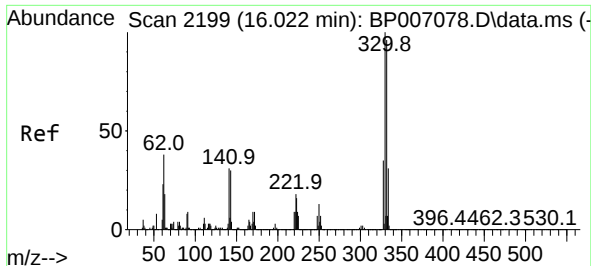
Tgt Ion: 82 Resp: 306336
Ion Ratio Lower Upper
82 100
128 43.9 35.7 53.5
54 49.5 35.0 52.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

Tgt Ion:164 Resp: 357435
Ion Ratio Lower Upper
164 100
162 101.0 80.2 120.2
160 45.6 34.5 51.7

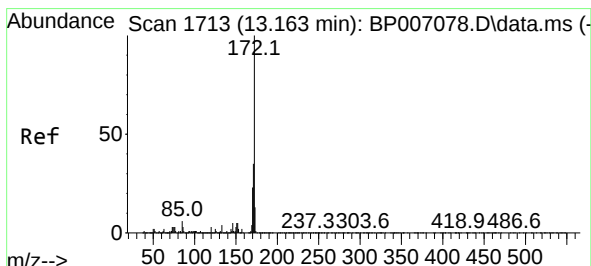
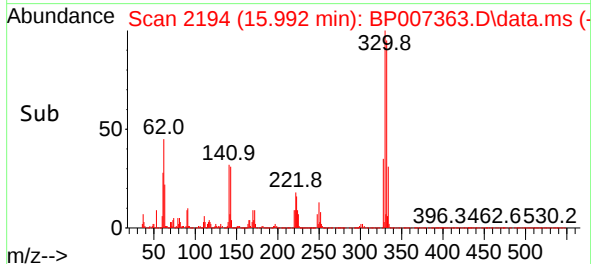
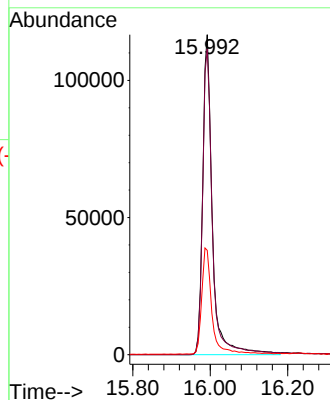
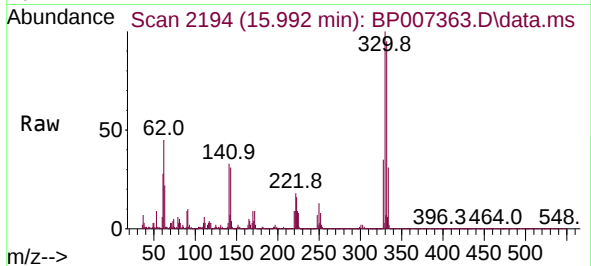




#42
2,4,6-Tribromophenol
Concen: 43.609 ng
RT: 15.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

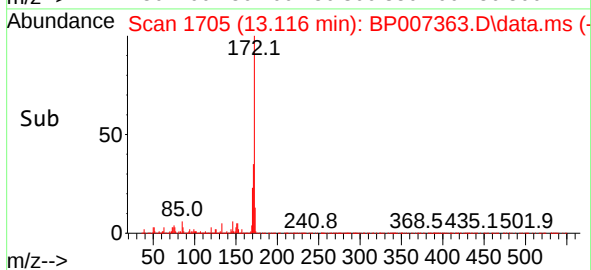
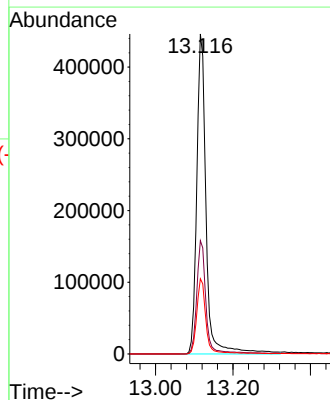
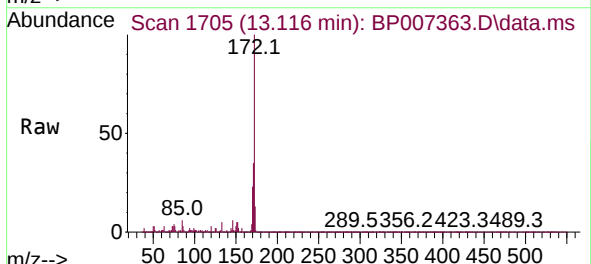
Instrument :
BNA_P
ClientSampleId :
SHAFT-17B-SP

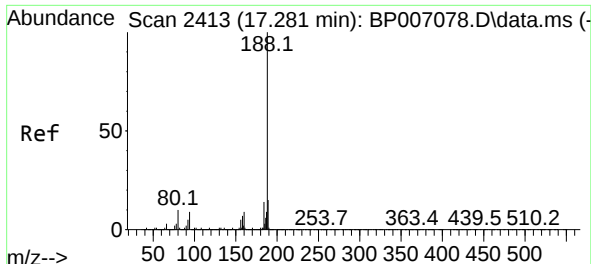
Tgt Ion:330 Resp: 202082
Ion Ratio Lower Upper
330 100
332 97.8 77.8 116.8
141 35.1 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 29.951 ng
RT: 13.116 min Scan# 1705
Delta R.T. -0.012 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

Tgt Ion:172 Resp: 747277
Ion Ratio Lower Upper
172 100
171 35.4 27.9 41.9
170 23.5 18.6 27.8

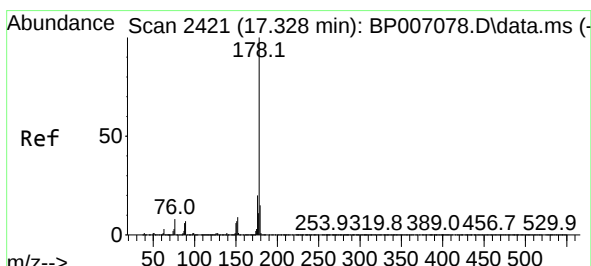
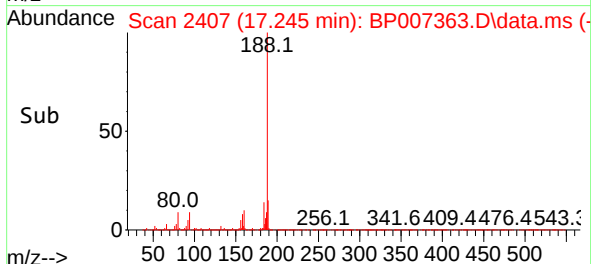
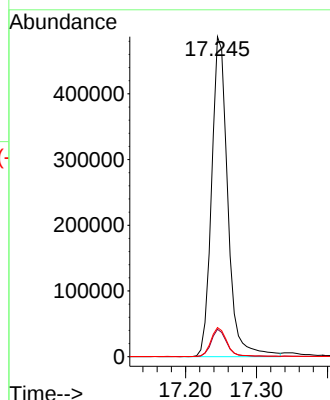
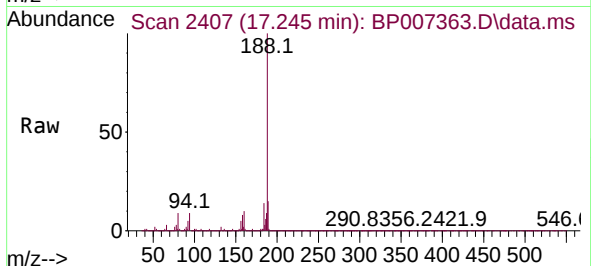




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

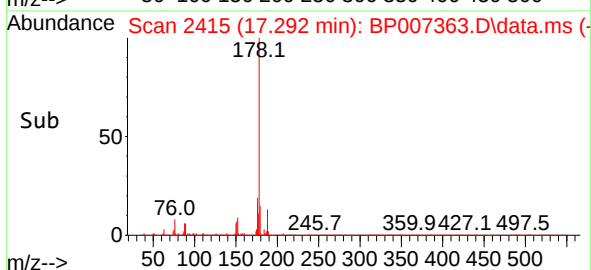
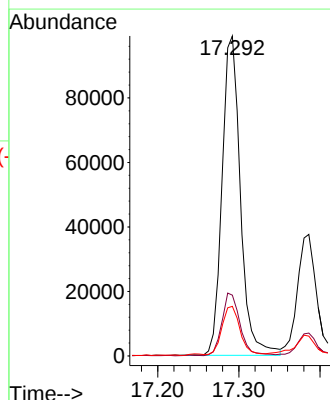
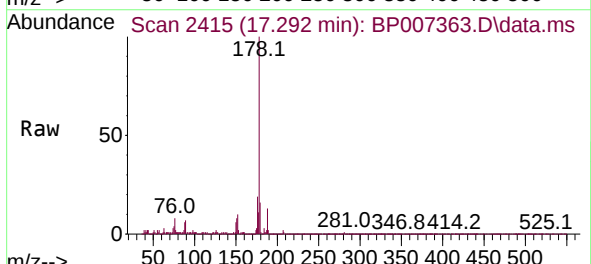
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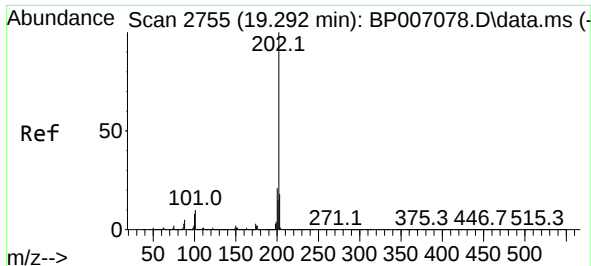
Tgt Ion:188 Resp: 770582
Ion Ratio Lower Upper
188 100
94 8.6 5.6 8.4#
80 9.1 6.3 9.5



#71
Phenanthrene
Concen: 3.779 ng
RT: 17.292 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

Tgt Ion:178 Resp: 156144
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.5 12.4 18.6

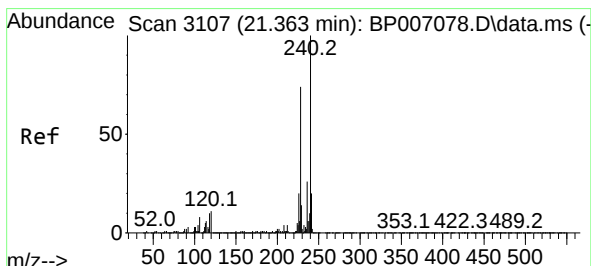
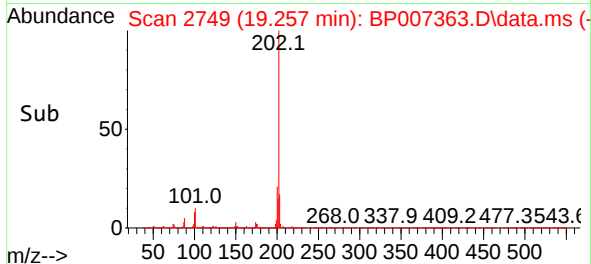
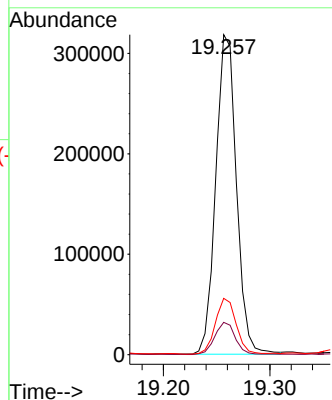
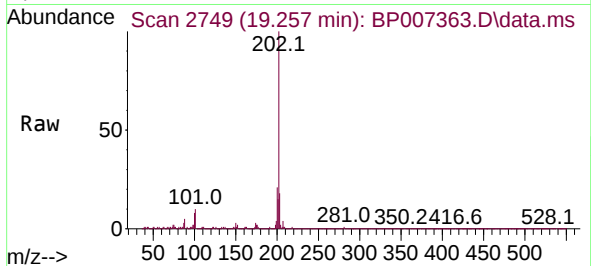




#75
Fluoranthene
Concen: 8.992 ng
RT: 19.257 min Scan# 2749
Delta R.T. -0.006 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

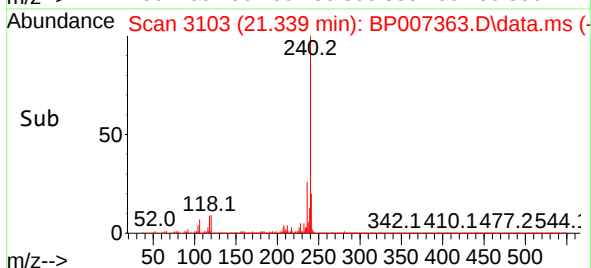
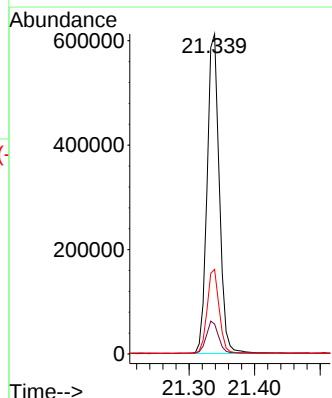
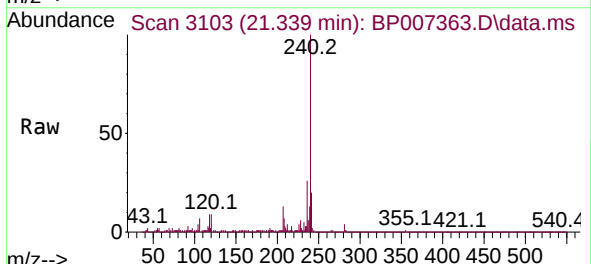
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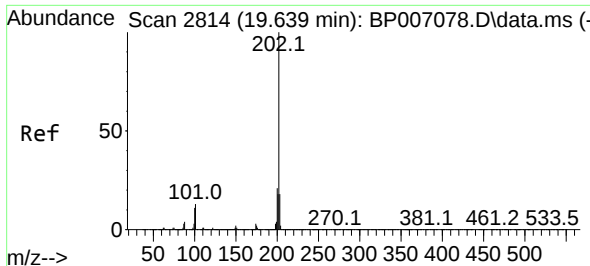
Tgt Ion:	202	Resp:	428055
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	27.6
203	17.6	0.0	37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3103
Delta R.T. 0.000 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

Tgt Ion:	240	Resp:	793011
Ion Ratio	Lower	Upper	
240	100		
120	9.4	6.5	9.7
236	26.5	20.6	31.0

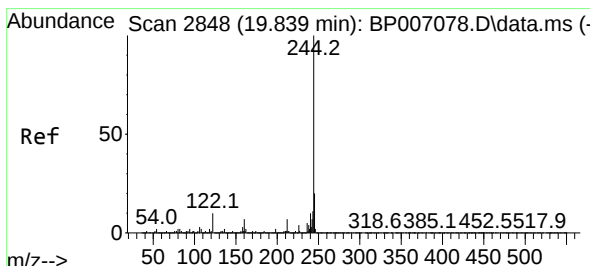
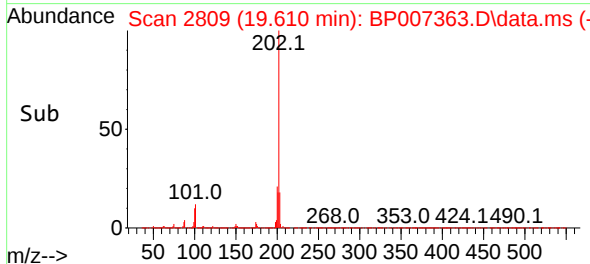
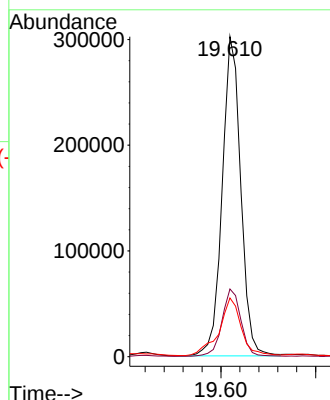
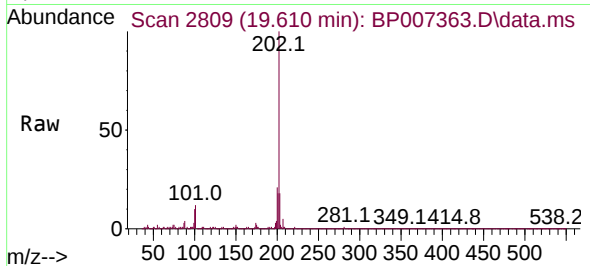




#78
Pyrene
Concen: 7.909 ng
RT: 19.610 min Scan# 2809
Delta R.T. -0.006 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

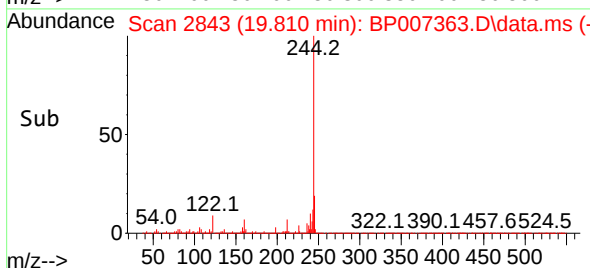
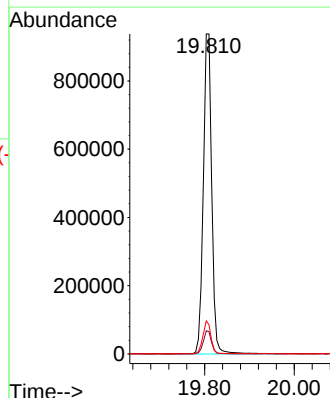
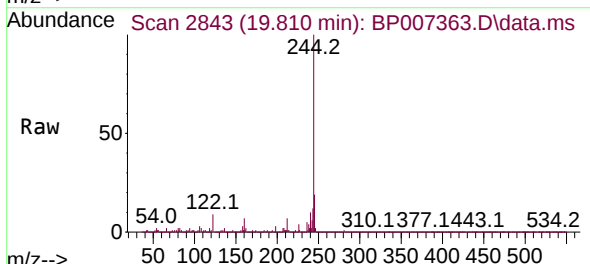
Instrument :
BNA_P
ClientSampleId :
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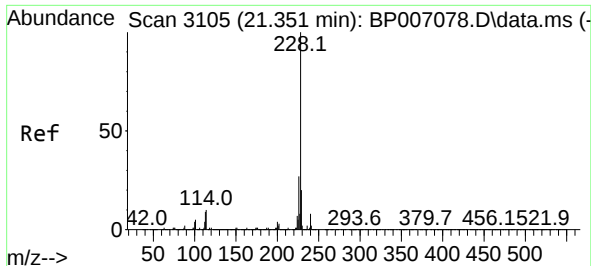
Tgt Ion:202	Resp:	411496
Ion Ratio	Lower	Upper
202	100	
200	21.2	16.3 24.5
203	18.3	14.2 21.2



#79
Terphenyl-d14
Concen: 29.484 ng
RT: 19.810 min Scan# 2843
Delta R.T. 0.000 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

Tgt Ion:244	Resp:	1220148
Ion Ratio	Lower	Upper
244	100	
212	7.0	6.0 9.0
122	9.1	7.1 10.7

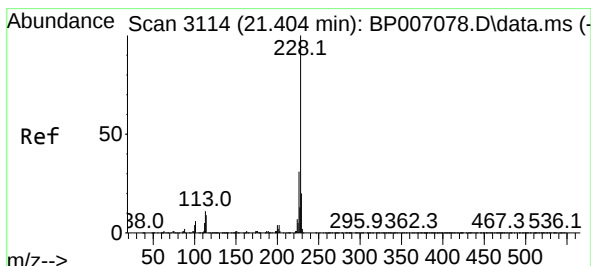
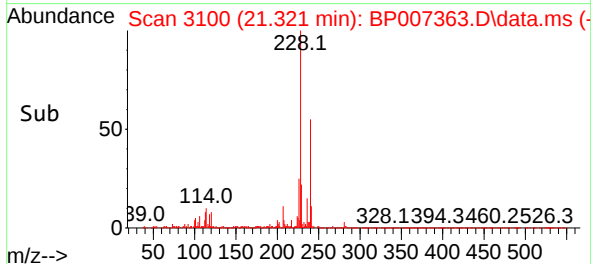
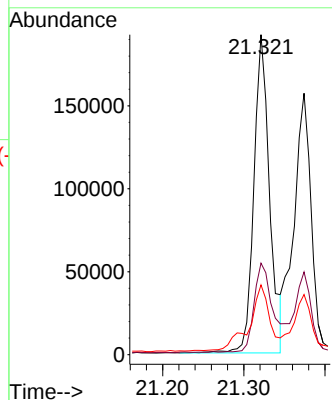
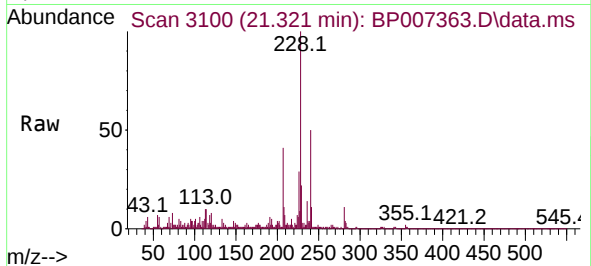




#81
Benzo(a)anthracene
Concen: 5.038 ng
RT: 21.321 min Scan# 3100
Delta R.T. -0.006 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

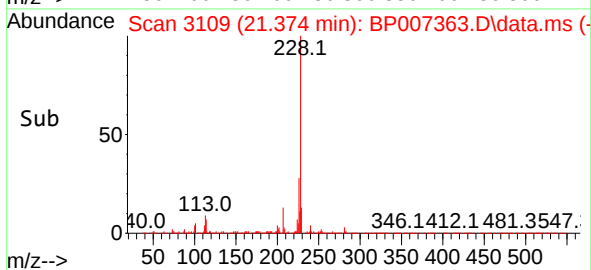
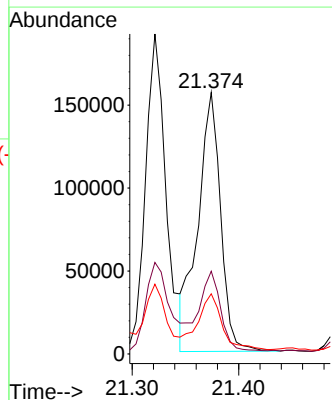
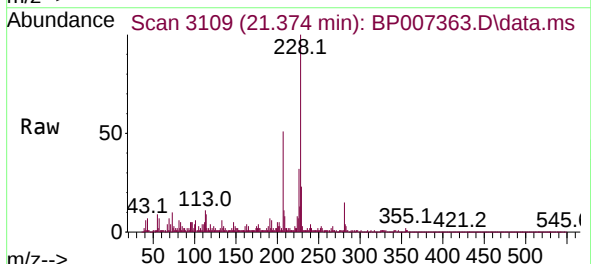
Instrument :
BNA_P
ClientSampleId :
SHAFT-17B-SP

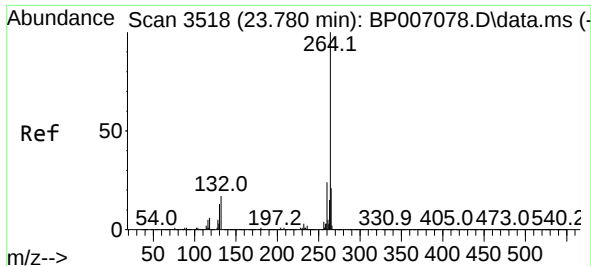
Tgt Ion:228 Resp: 259324
Ion Ratio Lower Upper
228 100
226 28.6 21.6 32.4
229 21.8 15.8 23.6



#83
Chrysene
Concen: 4.735 ng
RT: 21.374 min Scan# 3109
Delta R.T. -0.006 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

Tgt Ion:228 Resp: 232931
Ion Ratio Lower Upper
228 100
226 31.6 23.8 35.6
229 23.0 15.4 23.2

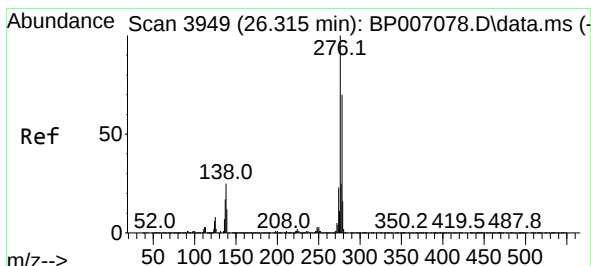
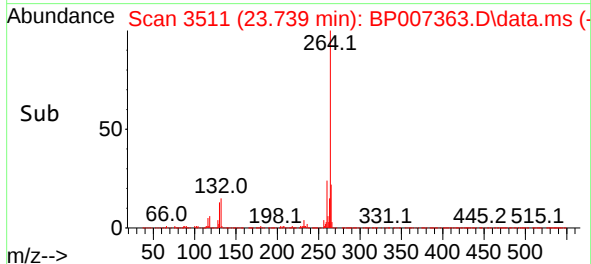
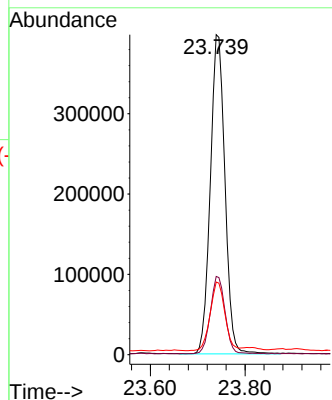
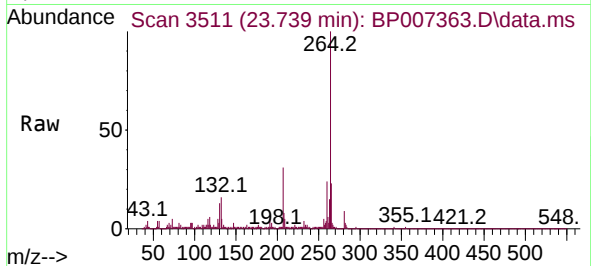




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.739 min Scan# 3511
Delta R.T. -0.006 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

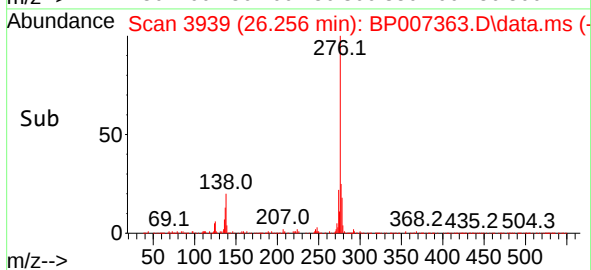
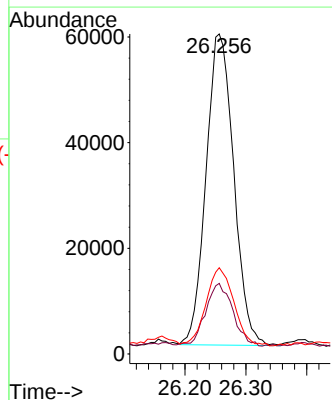
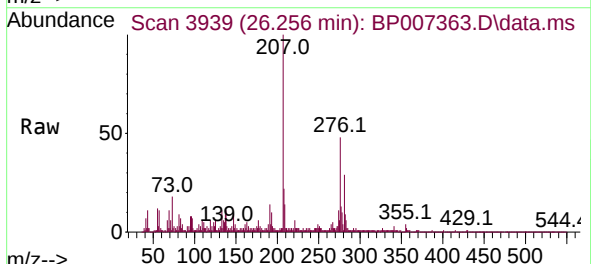
Instrument :
BNA_P
ClientSampleId :
SHAFT-17B-SP

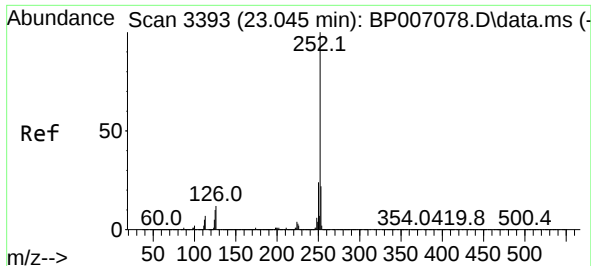
Tgt Ion:264 Resp: 851546
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 22.7 17.6 26.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.041 ng
RT: 26.256 min Scan# 3939
Delta R.T. -0.012 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

Tgt Ion:276 Resp: 186127
Ion Ratio Lower Upper
276 100
138 19.9 15.3 22.9
277 25.1 20.4 30.6

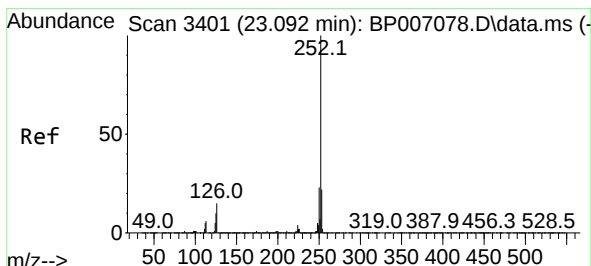
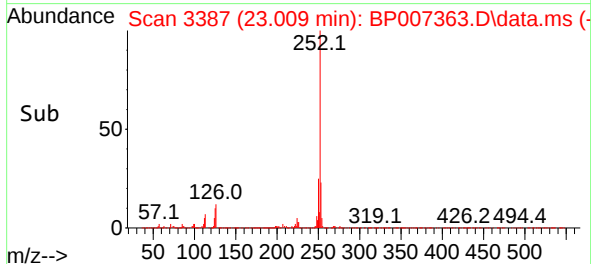
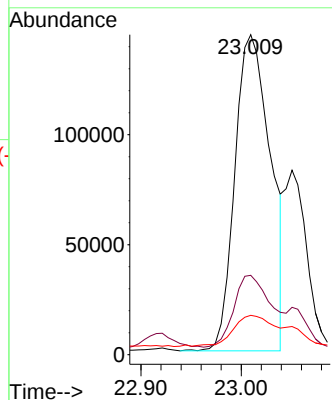
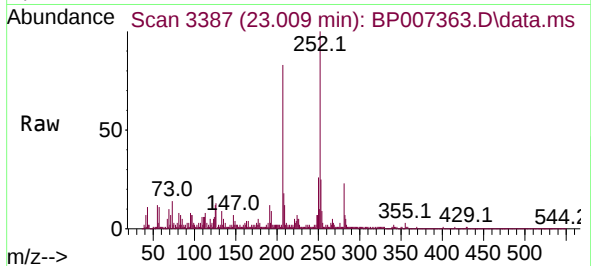




#88
Benzo(b)fluoranthene
Concen: 6.994 ng
RT: 23.009 min Scan# 3387
Delta R.T. 0.000 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

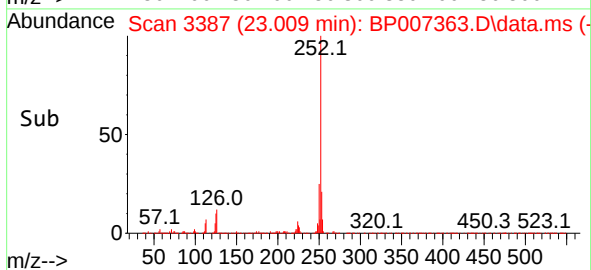
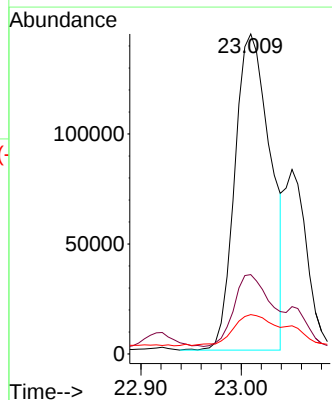
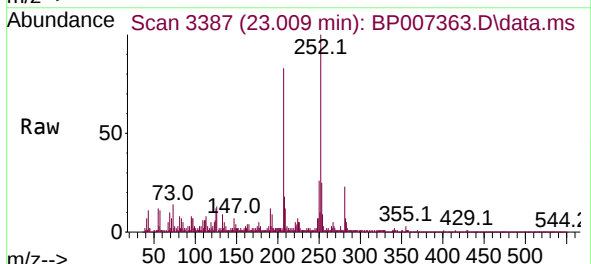
Instrument :
BNA_P
ClientSampleId :
SHAFT-17B-SP

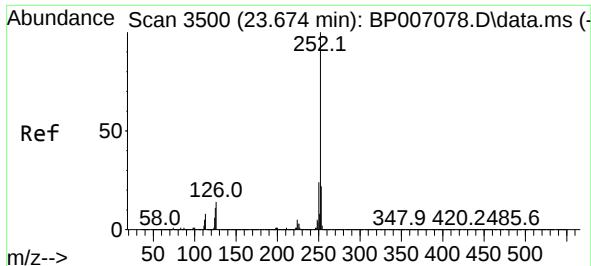
Tgt Ion:252 Resp: 355928
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 12.3 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 6.908 ng
RT: 23.009 min Scan# 3387
Delta R.T. -0.047 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

Tgt Ion:252 Resp: 355928
Ion Ratio Lower Upper
252 100
253 24.8 17.6 26.4
125 12.3 6.0 9.0#

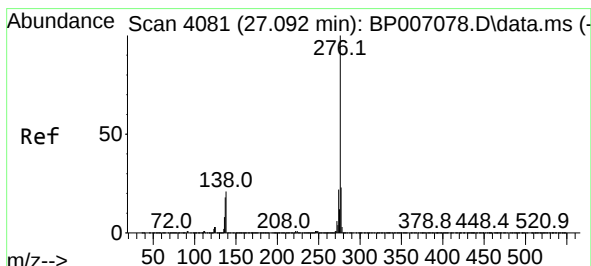
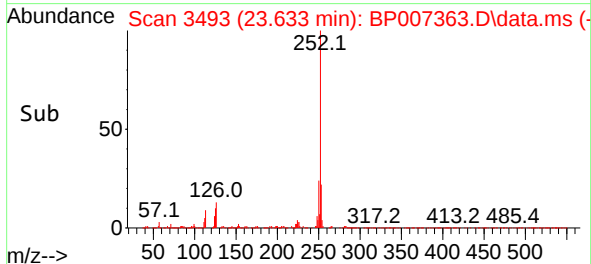
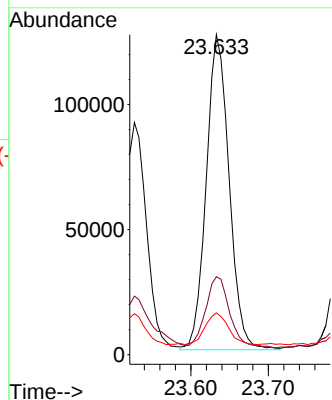
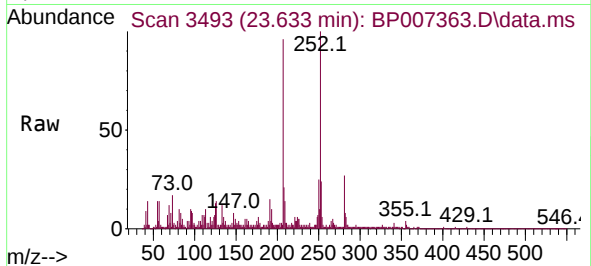




#90
Benzo(a)pyrene
Concen: 5.972 ng
RT: 23.633 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

Instrument :
BNA_P
ClientSampleId :
SHAFT-17B-SP

Tgt Ion:252 Resp: 258208
Ion Ratio Lower Upper
252 100
253 24.3 17.9 26.9
125 13.1 6.5 9.7#



#92
Benzo(g,h,i)perylene
Concen: 3.769 ng
RT: 27.033 min Scan# 4071
Delta R.T. -0.012 min
Lab File: BP007363.D
Acq: 06 Oct 2021 20:17

Tgt Ion:276 Resp: 188652
Ion Ratio Lower Upper
276 100
277 25.0 18.9 28.3
138 22.8 12.6 18.8#

