

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101119\
 Data File : BP000654.D
 Acq On : 12 Oct 2019 00:23
 Operator : JU
 Sample : K5145-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HD-01-100919

Manual Integrations
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 10/16/2019 8:03:58 AM

Quant Time: Oct 12 03:24:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	255399	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	925253	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	501362	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	874793	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	718696	20.00	ng	-0.01
87) Perylene-d12	15.45	264	815381	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1173427	73.85	ng	-0.02
7) Phenol-d6	6.39	99	1525566	79.68	ng	-0.02
23) Nitrobenzene-d5	7.31	82	820153	54.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	385054	72.07	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1738117	56.09	ng	-0.02
79) Terphenyl-d14	12.90	244	1800884	50.73	ng	-0.01
Target Compounds						
10) Phenol	6.40	94	70016	3.572	ng	97
49) Acenaphthylene	9.66	152	301667	6.833	ng	98
50) Dimethylphthalate	9.51	163	196789	5.649	ng	99
71) Phenanthrene	11.32	178	167915	3.822	ng	99
72) Anthracene	11.37	178	222385	5.105	ng	99
75) Fluoranthene	12.52	202	414943	8.409	ng	97
78) Pyrene	12.76	202	677191	13.662	ng	99
81) Benzo(a)anthracene	13.96	228	349869	7.979	ng	# 83
83) Chrysene	13.99	228	312223	7.254	ng	96
86) Indeno(1,2,3-cd)pyrene	16.92	276	415697	7.732	ng	95
88) Benzo(b)fluoranthene	15.02	252	784077m	16.950	ng	
89) Benzo(k)fluoranthene	15.05	252	195549m	4.440	ng	
90) Benzo(a)pyrene	15.39	252	609765	14.140	ng	96
91) Dibenzo(a,h)anthracene	16.92	278	100359	2.400	ng	# 85
92) Benzo(a,h,i)perylene	17.36	276	448865	10.562	ng	100

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

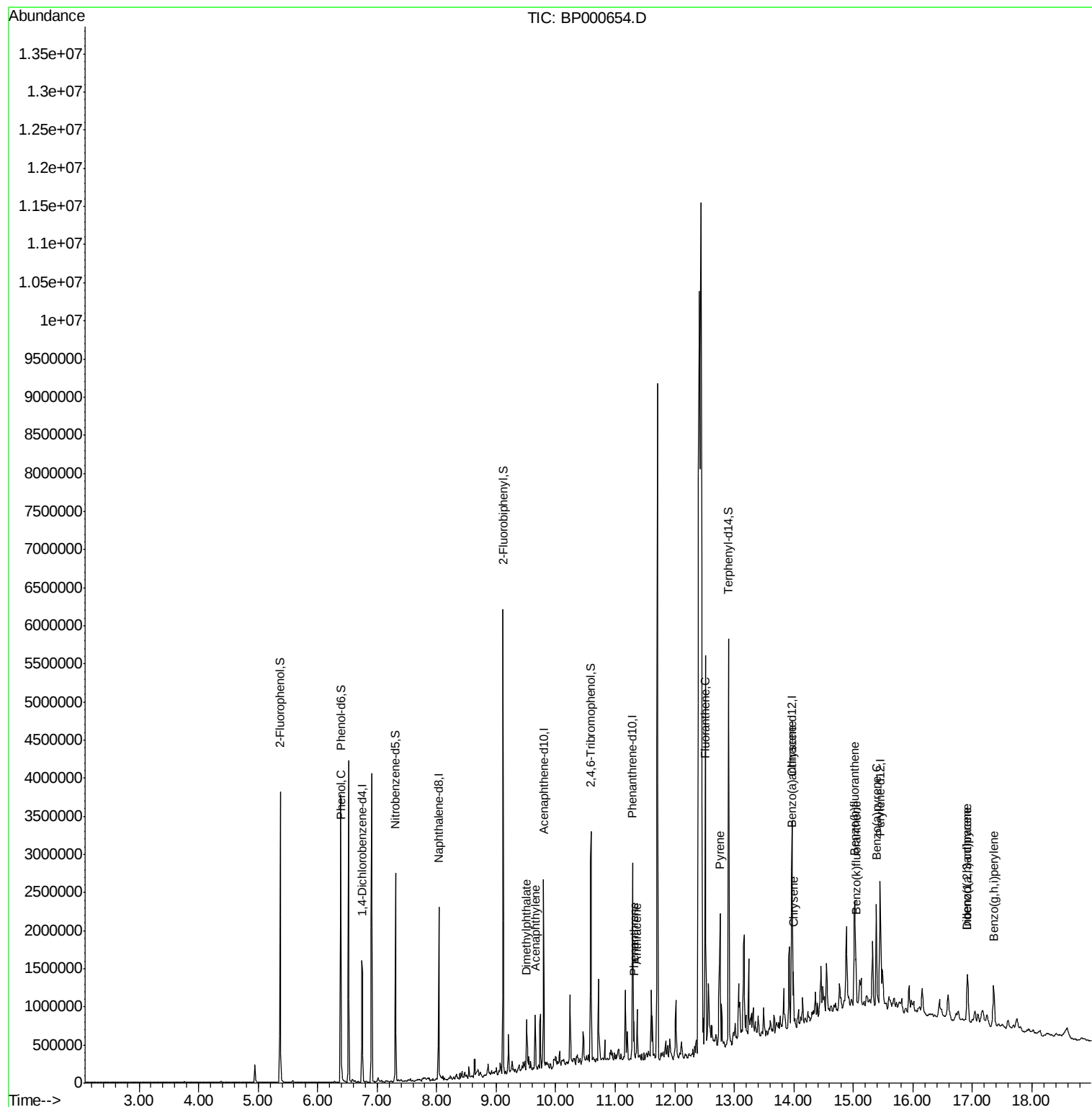
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101119\
Data File : BP000654.D
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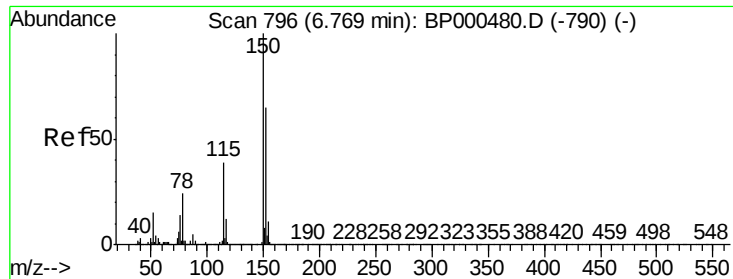
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

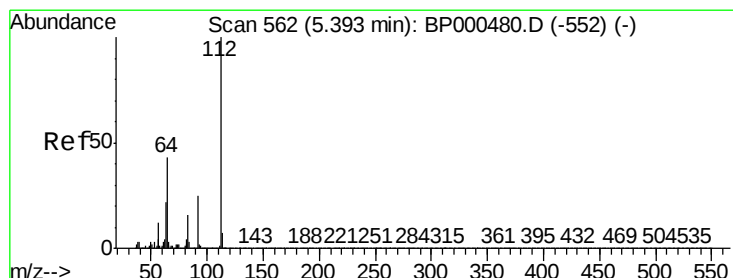
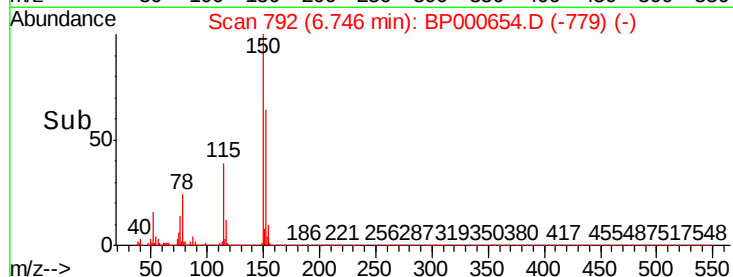
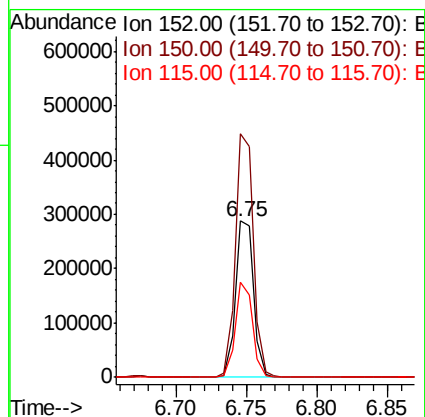
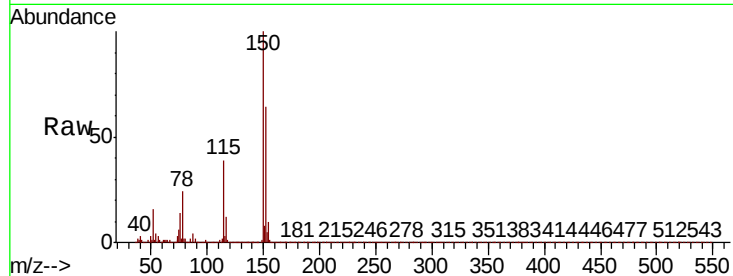
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Instrument :
BNA_P
ClientSampleId :
HD-01-100919

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.1	186.1
115	60.6	48.7	73.1

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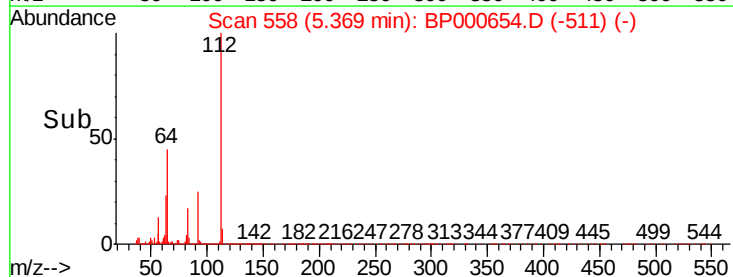
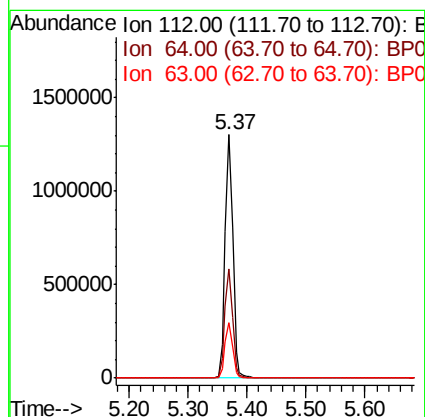
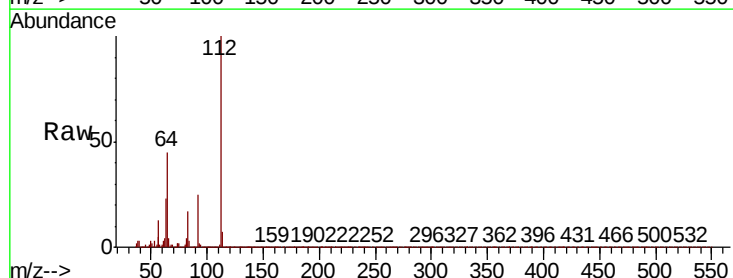
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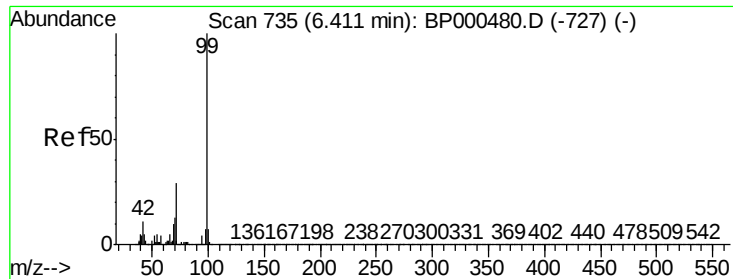


#5

2-Fluorophenol
Concen: 73.854 ng
RT: 5.37 min Scan# 558
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.0	34.2	51.4
63	22.7	17.9	26.9





#7

Phenol-d6

Concen: 79.679 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BP000654.D

Acq: 12 Oct 2019 00:23

Instrument :

BNA_P

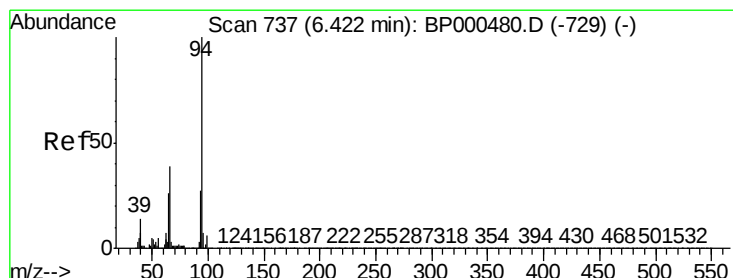
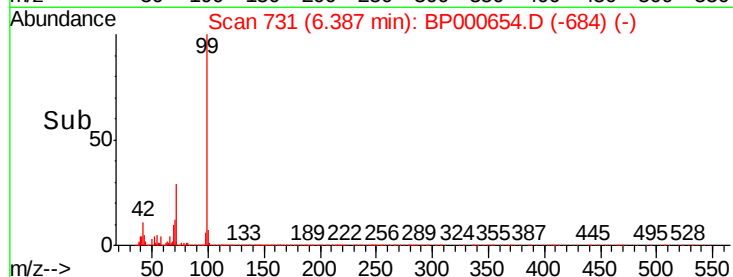
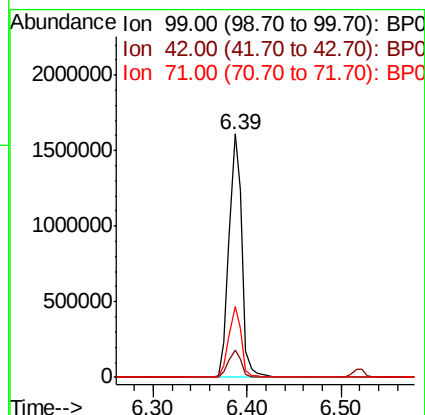
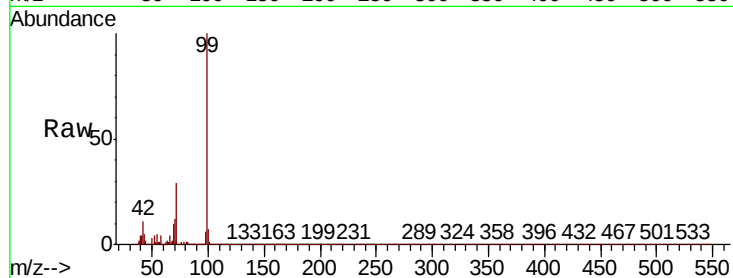
ClientSampleId :

HD-01-100919

Tot Ion:	99	Resp:	1525566
Ion	Ratio	Lower	Upper
99	100		
42	11.2	8.6	12.8
71	28.8	23.0	34.4

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#10

Phenol

Concen: 3.572 ng

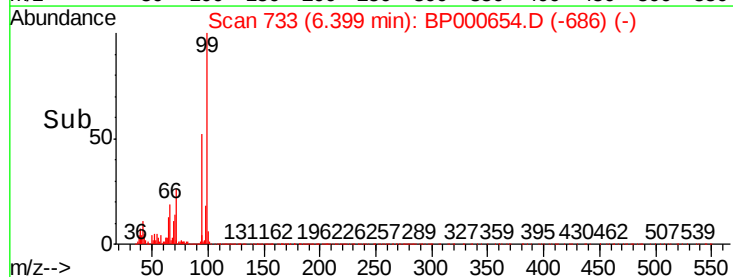
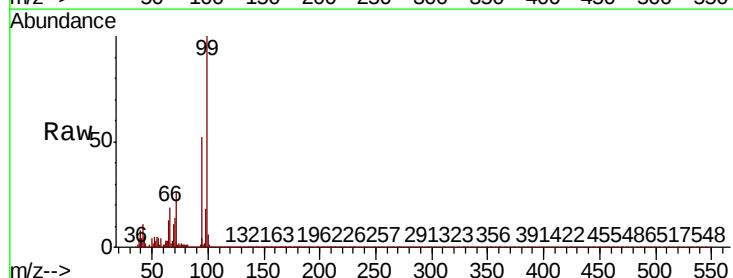
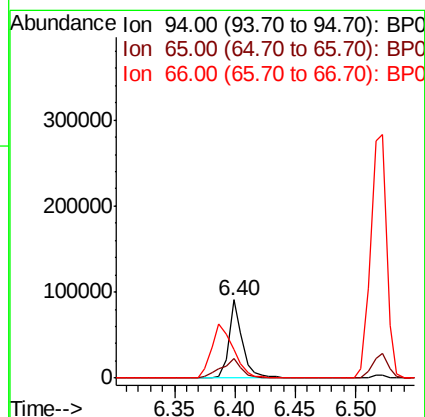
RT: 6.40 min Scan# 733

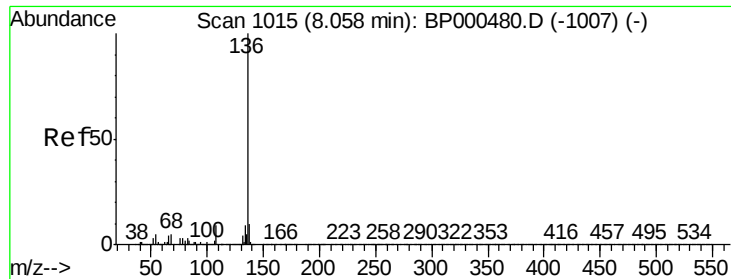
Delta R.T. -0.02 min

Lab File: BP000654.D

Acq: 12 Oct 2019 00:23

Tgt Ion:	94	Resp:	70016
Ion	Ratio	Lower	Upper
94	100		
65	25.0	5.9	45.9
66	36.9	18.8	58.8





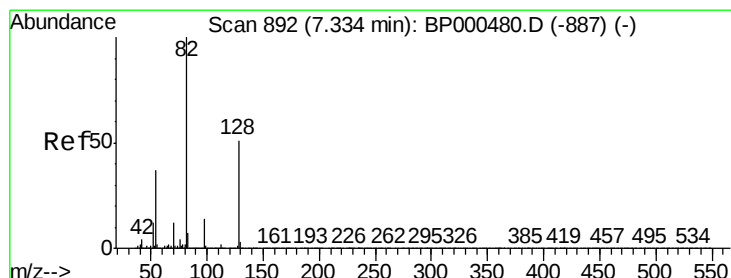
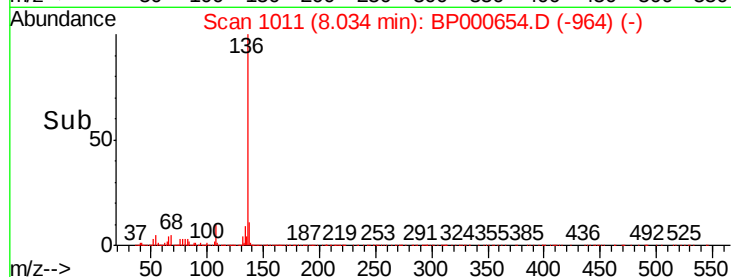
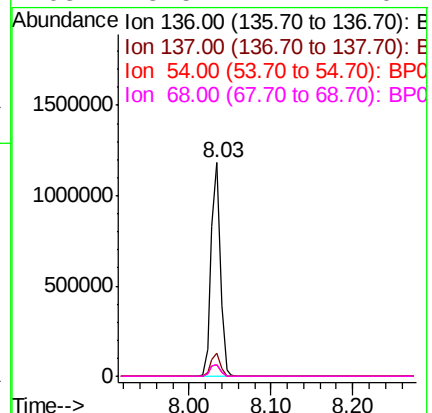
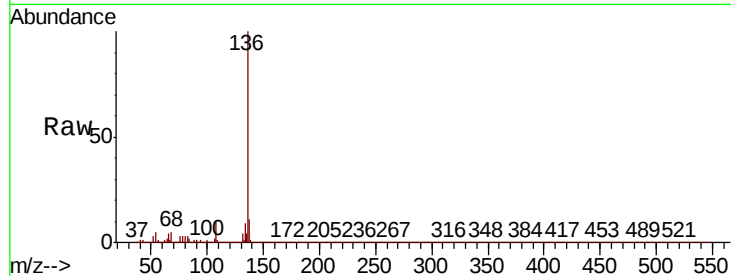
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Instrument :
BNA_P
ClientSampleId :
HD-01-100919

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.9	8.2	12.4
54	5.4	4.1	6.1
68	5.5	4.1	6.1

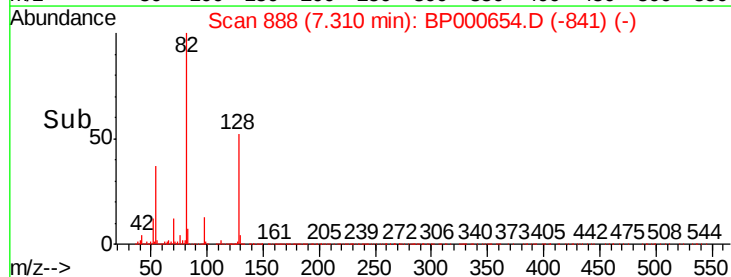
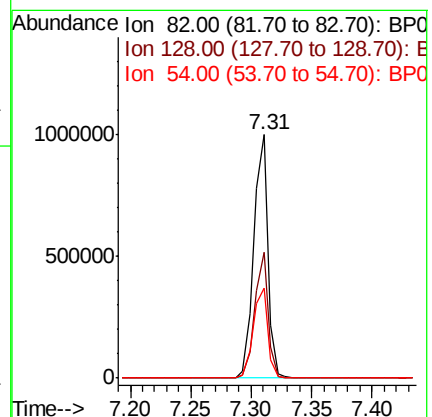
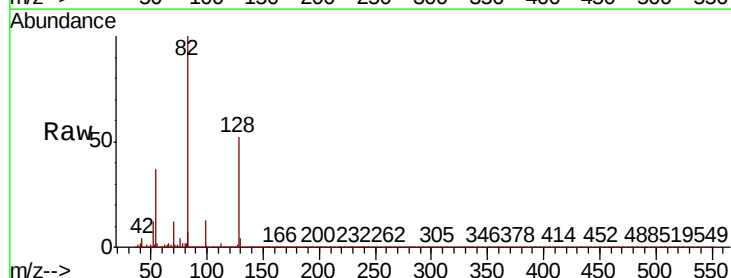
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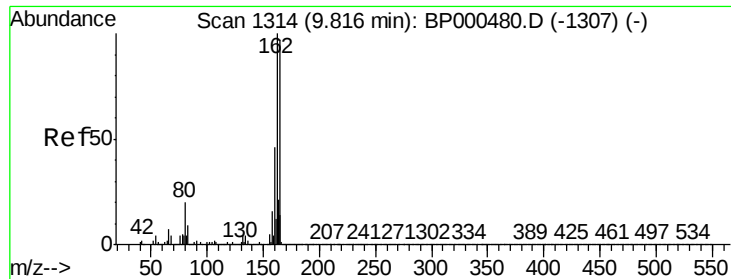
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#23
Nitrobenzene-d5
Concen: 54.138 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	51.6	40.9	61.3
54	37.1	29.4	44.2





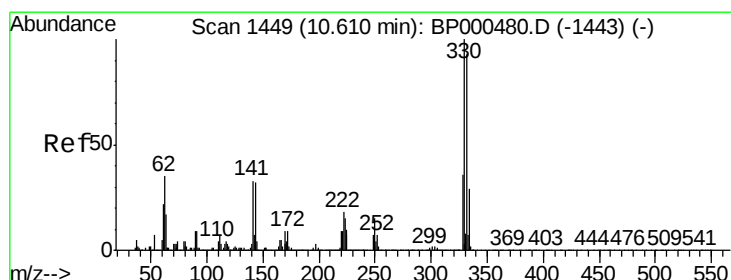
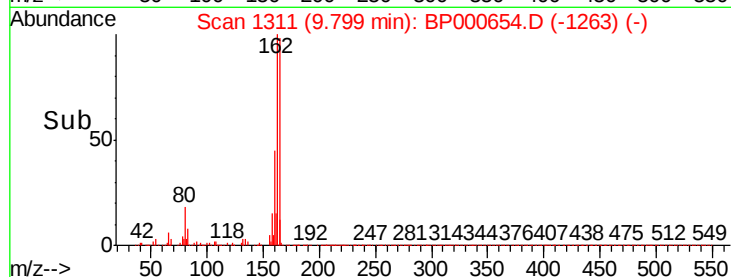
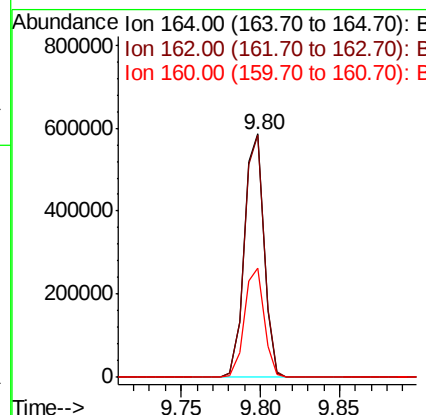
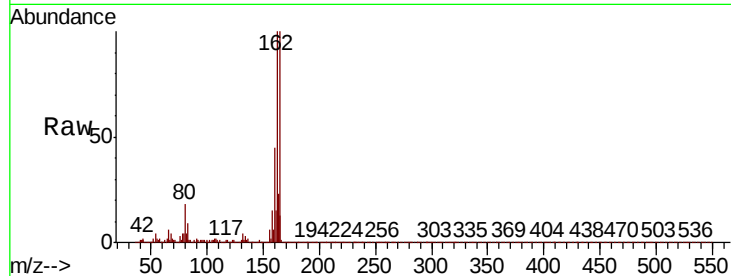
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Instrument :
BNA_P
ClientSampleId :
HD-01-100919

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.6	82.2	123.2	
160	44.9	37.6	56.4	

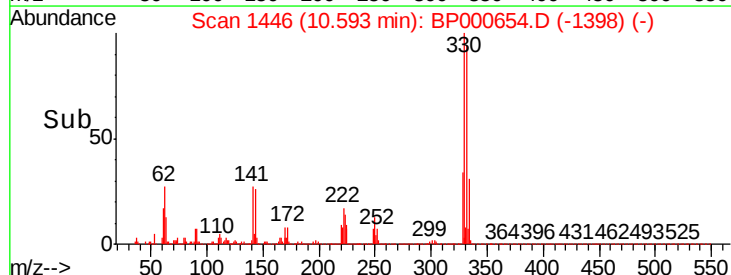
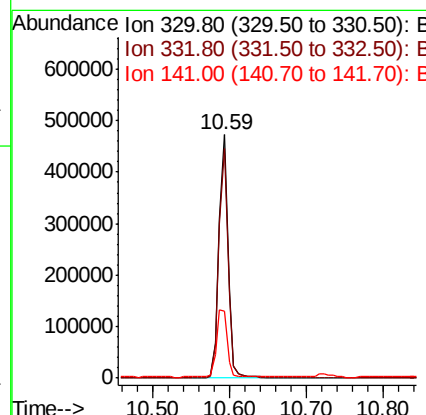
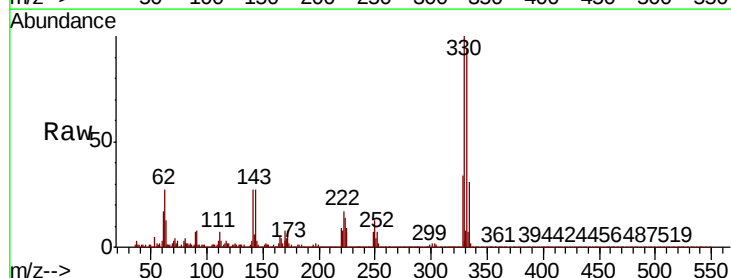
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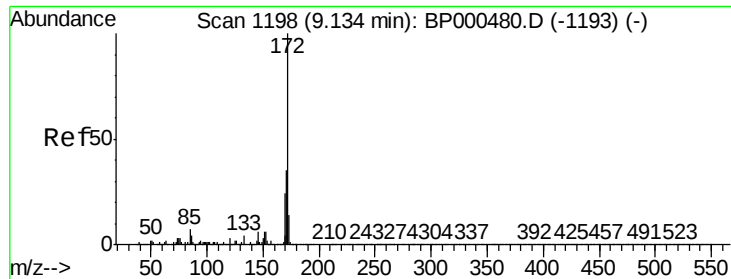
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#42
2,4,6-Tribromophenol
Concen: 72.072 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.1	77.1	115.7	
141	31.9	26.0	39.0	





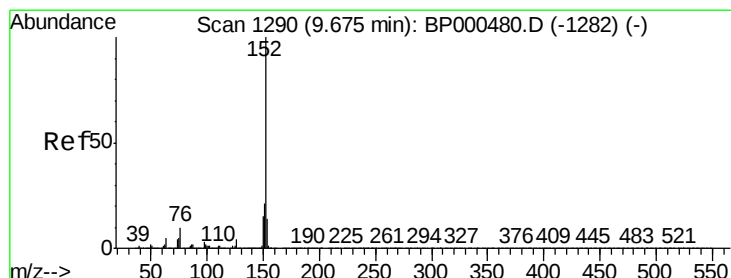
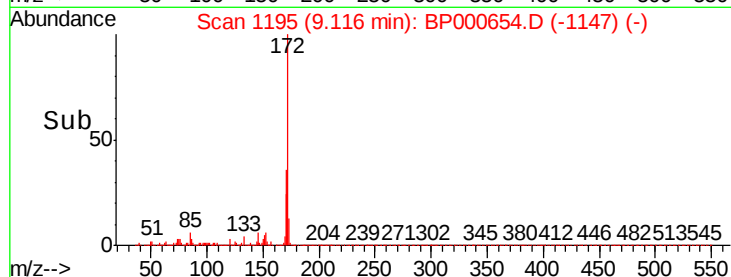
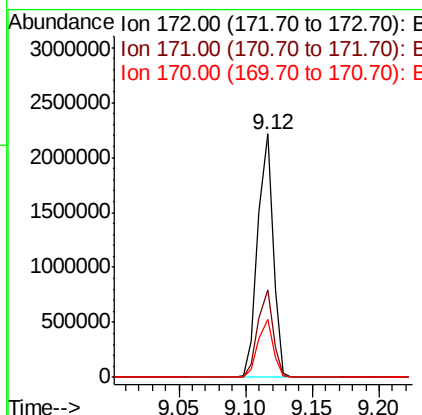
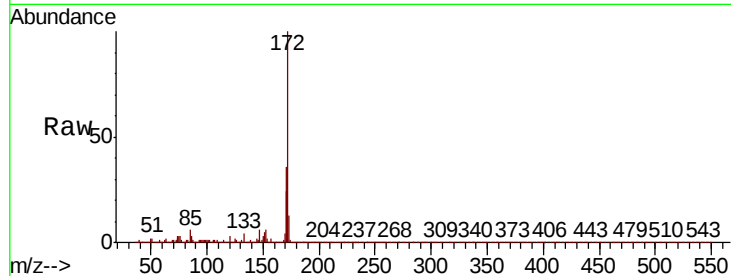
#45
2-Fluorobiphenyl
Concen: 56.093 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Instrument :
BNA_P
ClientSampleId :
HD-01-100919

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.4	42.6
170	23.8	19.1	28.7

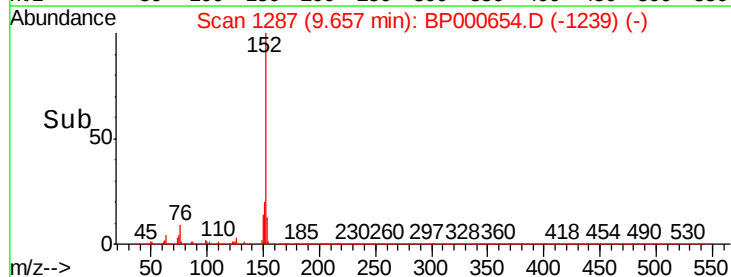
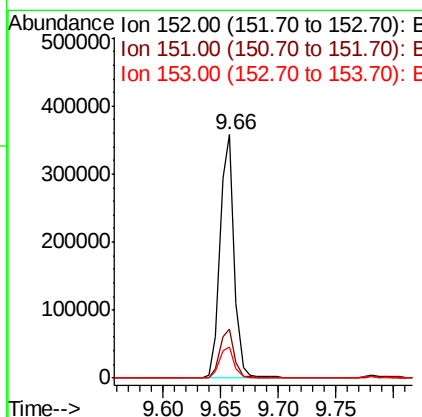
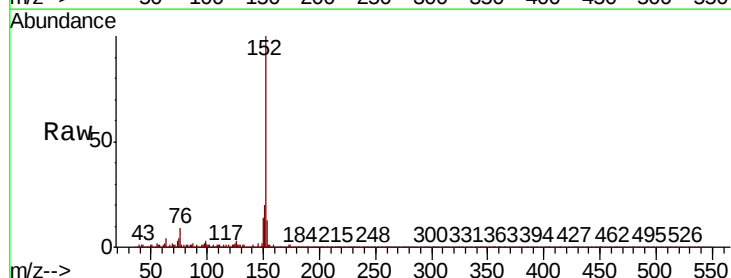
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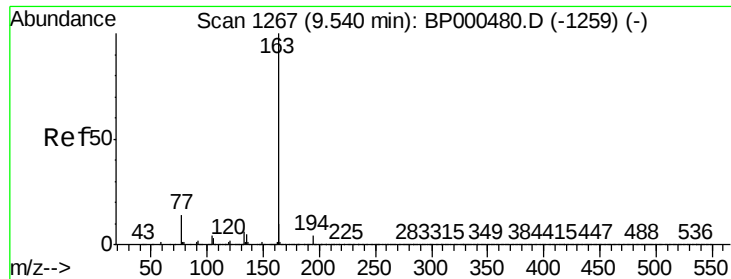
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#49
Acenaphthylene
Concen: 6.833 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.6	25.0
153	13.0	11.0	16.6





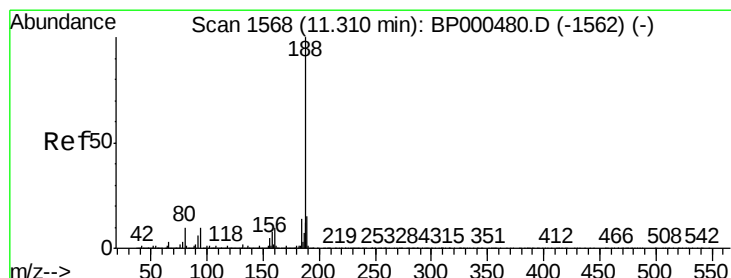
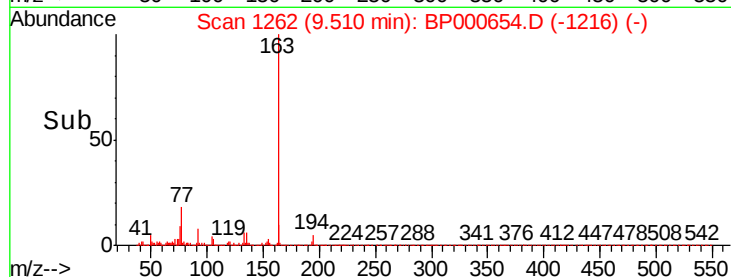
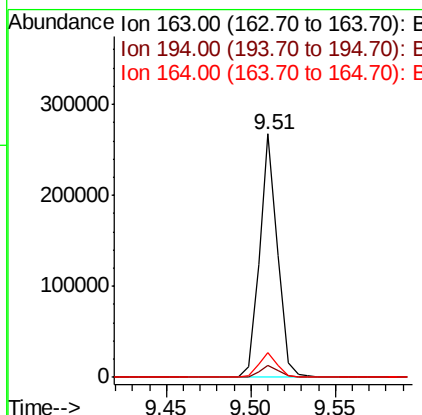
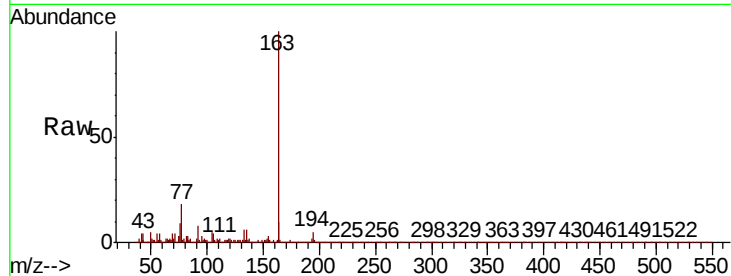
#50
Dimethylphthalate
Concen: 5.649 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Instrument :
BNA_P
ClientSampleId :
HD-01-100919

Tot Ion:	163	Resp:	196789
Ion Ratio	Lower	Upper	
163	100		
194	4.9	3.4	5.2
164	10.2	8.0	12.0

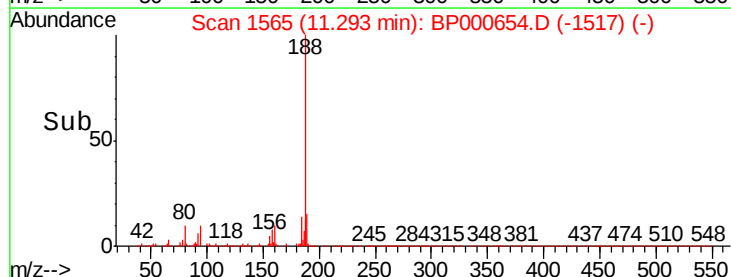
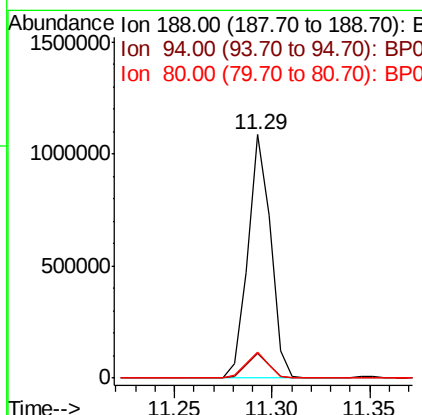
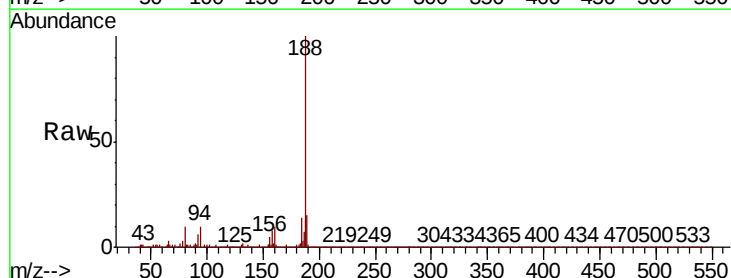
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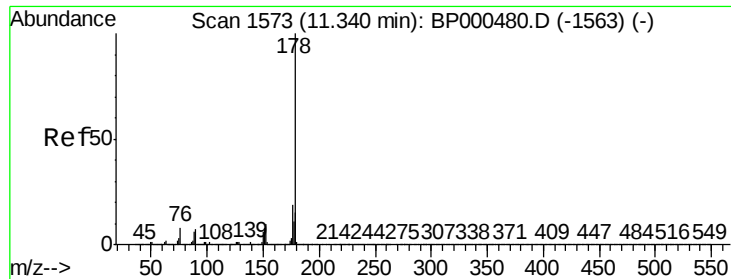
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Tgt Ion:	188	Resp:	874793
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.2	12.2
80	10.4	8.3	12.5





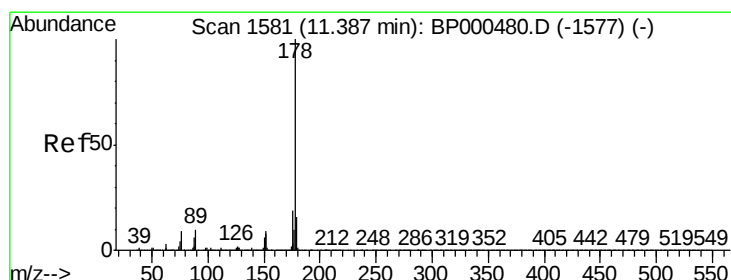
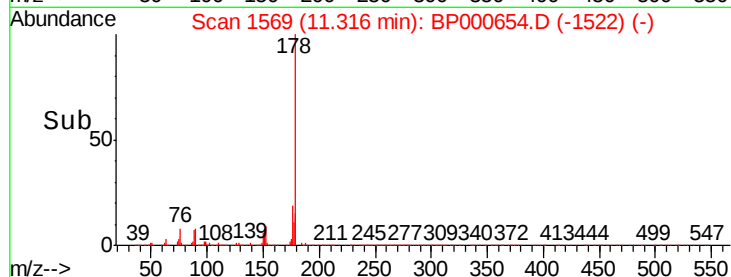
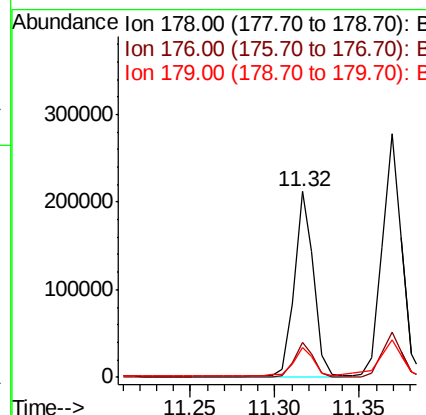
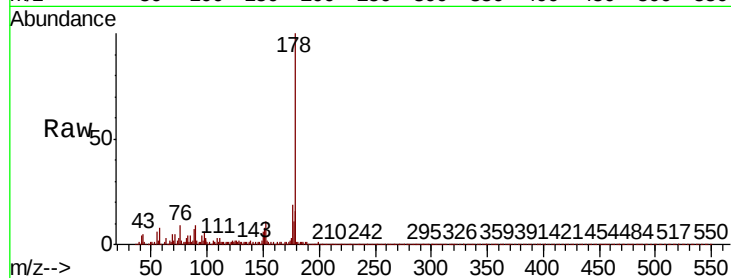
#71
Phenanthrene
Concen: 3.822 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Instrument :
BNA_P
ClientSampleId :
HD-01-100919

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	16.0	12.2	18.4

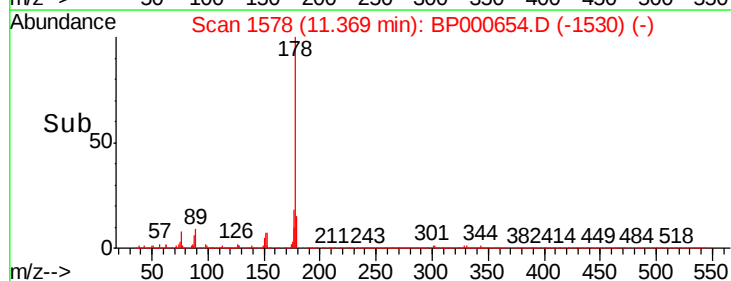
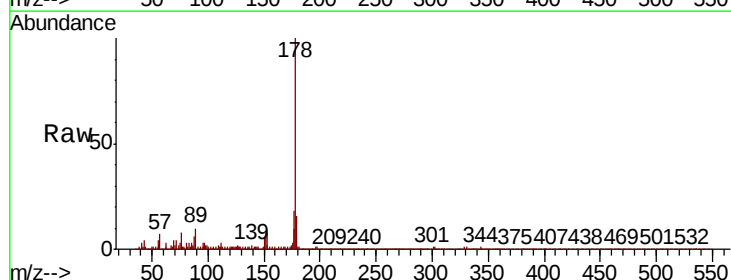
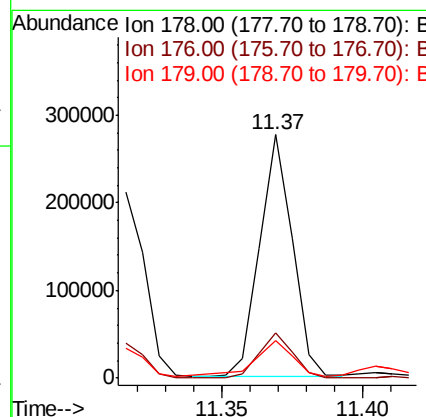
Manual Integrations
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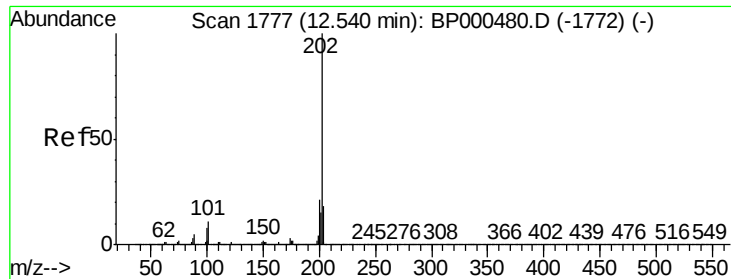
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#72
Anthracene
Concen: 5.105 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.6	12.6	19.0





#75

Fluoranthene

Concen: 8.409 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.02 min

Lab File: BP000654.D

Acq: 12 Oct 2019 00:23

Instrument :

BNA_P

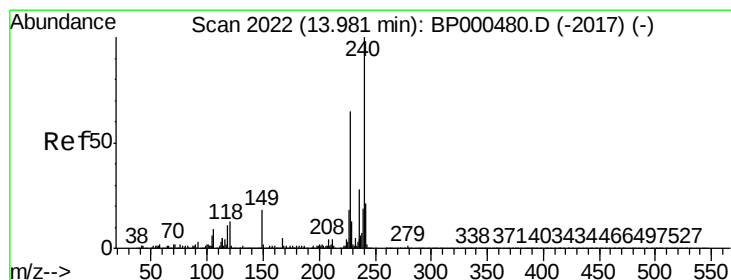
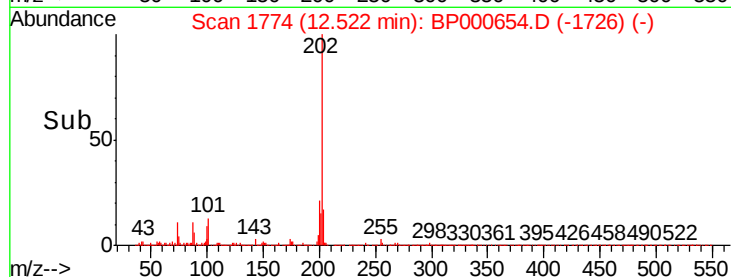
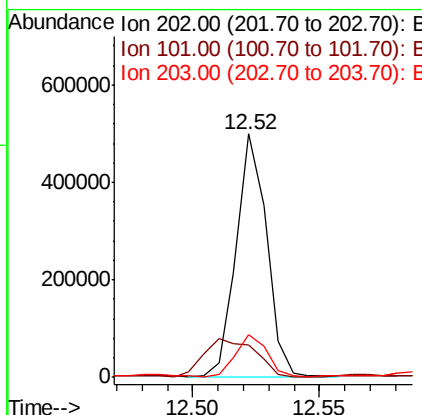
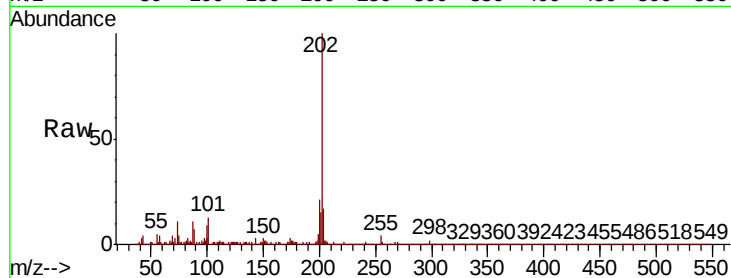
ClientSampleId :

HD-01-100919

Tot Ion:	202	Resp:	414943
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	31.3
203	17.4	0.0	38.1

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#76

Chrysene-d12

Concen: 20.000 ng

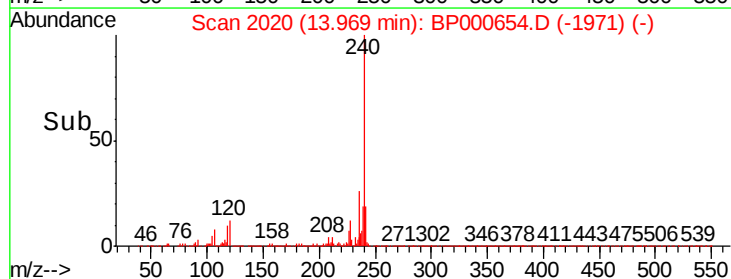
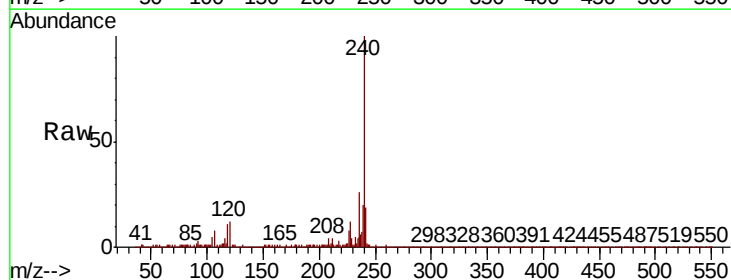
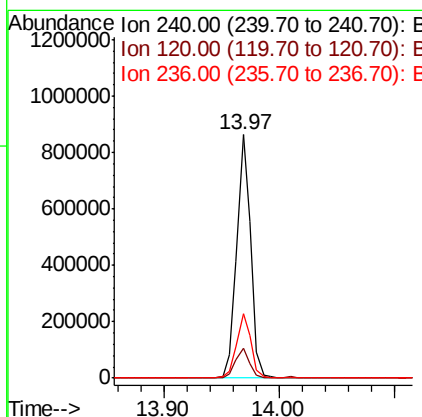
RT: 13.97 min Scan# 2020

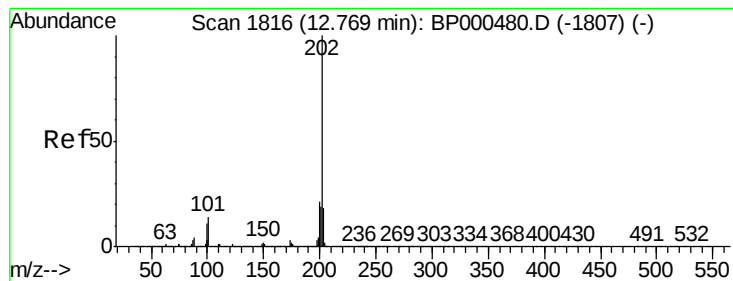
Delta R.T. -0.01 min

Lab File: BP000654.D

Acq: 12 Oct 2019 00:23

Tgt Ion:	240	Resp:	718696
Ion Ratio	Lower	Upper	
240	100		
120	12.1	10.1	15.1
236	26.3	22.7	34.1





#78

Pvrene

Concen: 13.662 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BP000654.D

Acq: 12 Oct 2019 00:23

Instrument :

BNA_P

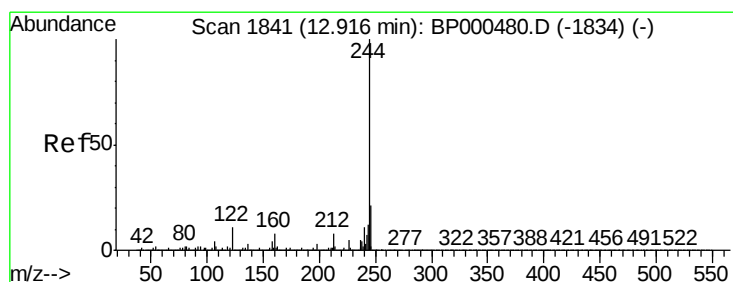
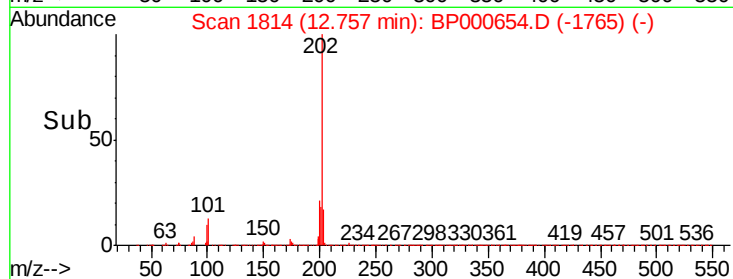
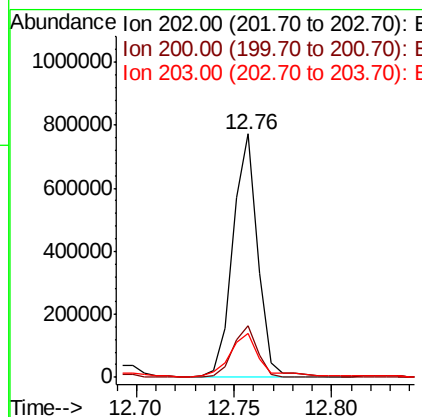
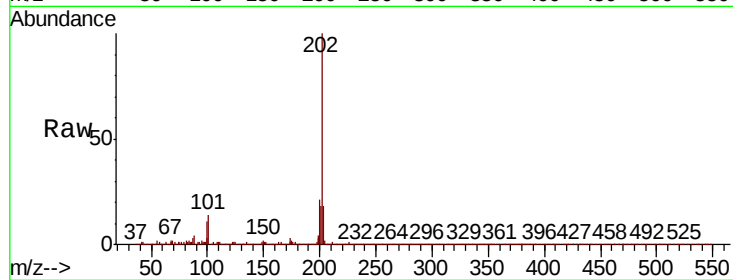
ClientSampleId :

HD-01-100919

Tot Ion:	202	Resp:	677191
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.1	25.7
203	17.9	14.6	21.8

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#79

Terphenyl-d14

Concen: 50.735 ng

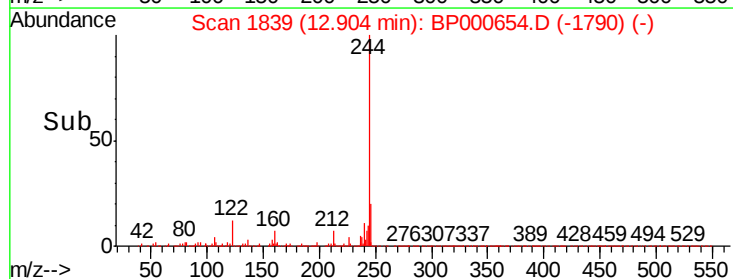
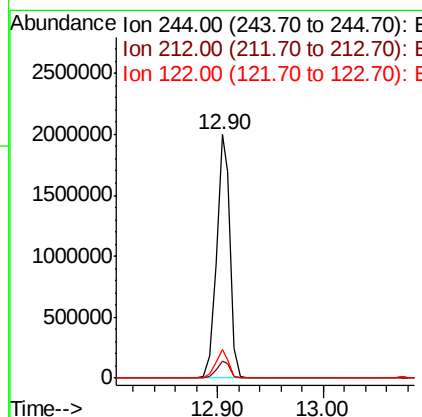
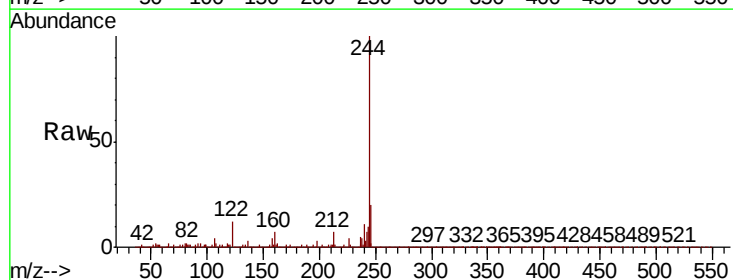
RT: 12.90 min Scan# 1839

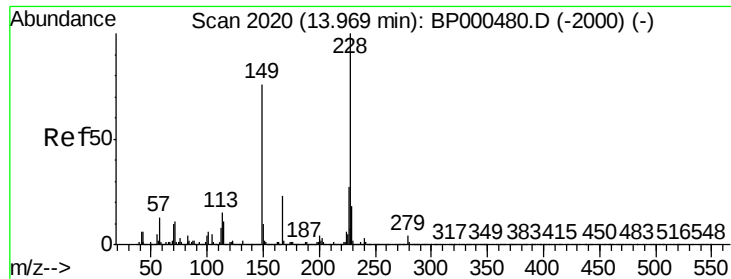
Delta R.T. -0.01 min

Lab File: BP000654.D

Acq: 12 Oct 2019 00:23

Tgt Ion:	244	Resp:	1800884
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	11.9	8.9	13.3





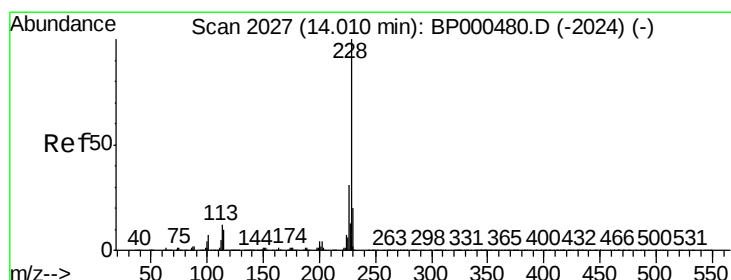
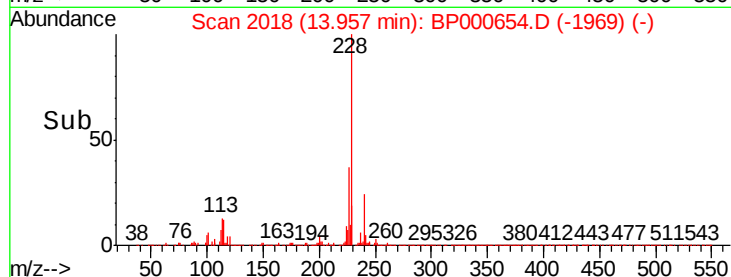
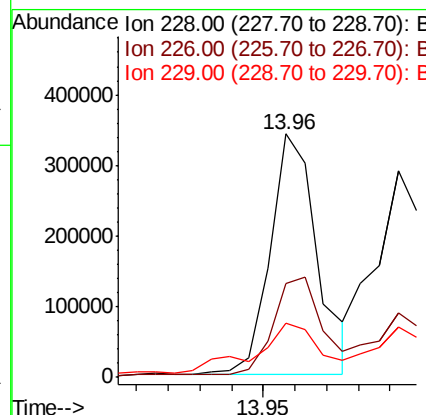
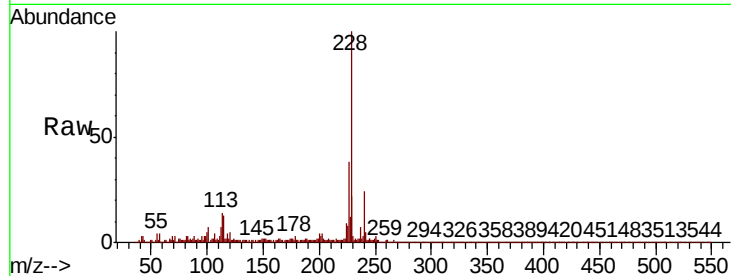
#81
Benzo(a)anthracene
Concen: 7.979 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Instrument :
BNA_P
ClientSampleId :
HD-01-100919

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.5	21.4	32.2#
229	22.1	14.7	22.1#

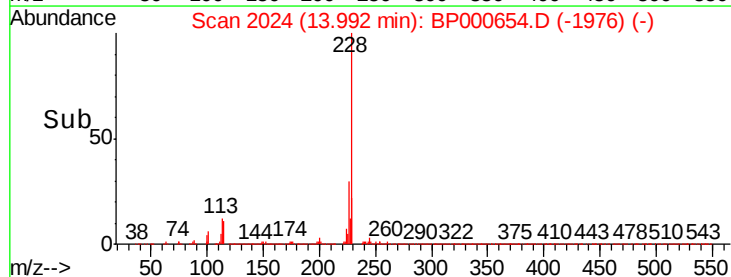
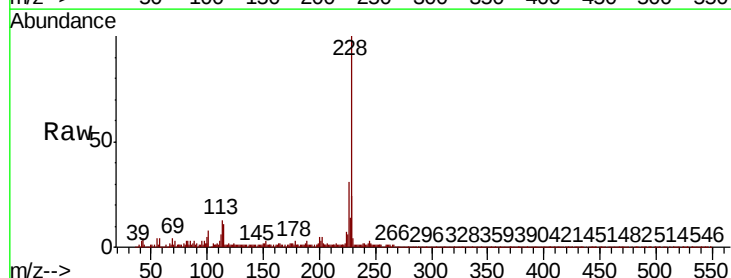
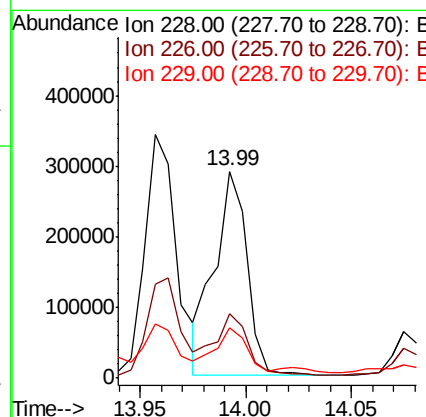
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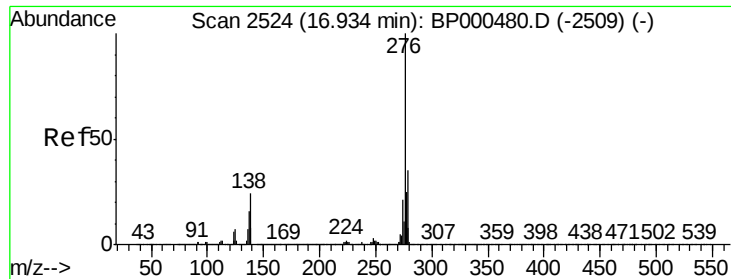
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#83
Chrysene
Concen: 7.254 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.7	37.1
229	24.3	16.3	24.5





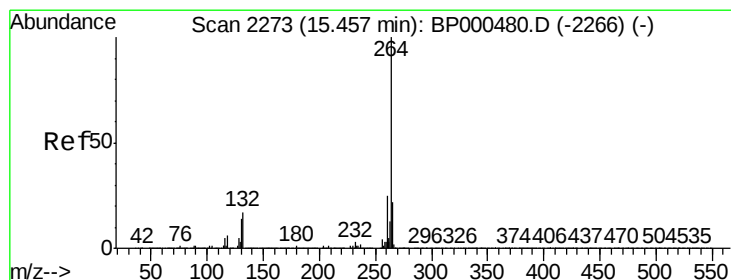
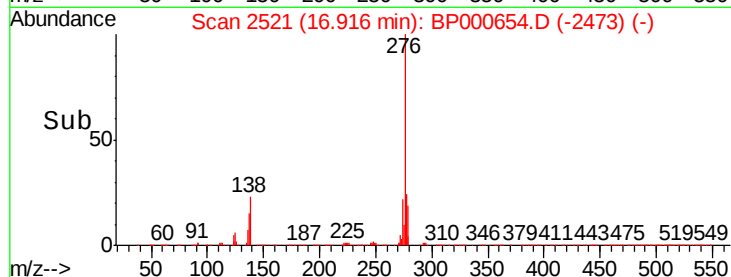
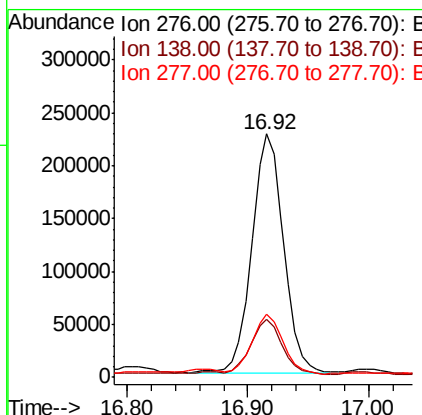
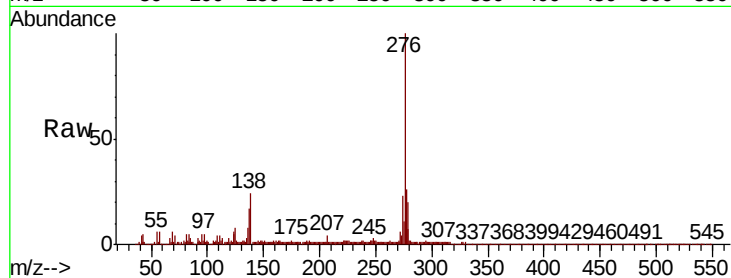
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.732 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Instrument :
BNA_P
ClientSampleId :
HD-01-100919

Tot Ion:	276	Resp:	415697
Ion Ratio		Lower	Upper
276	100		
138	22.3	20.9	31.3
277	24.0	20.6	30.8

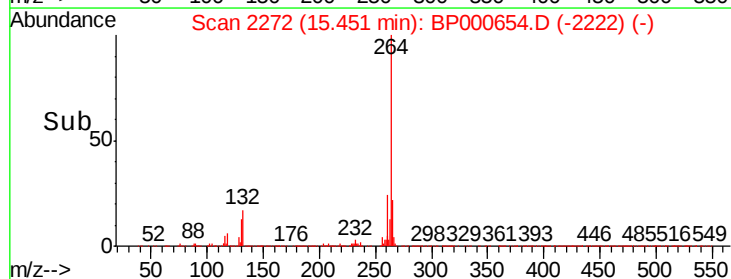
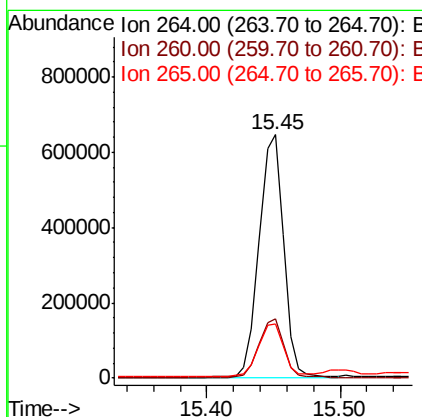
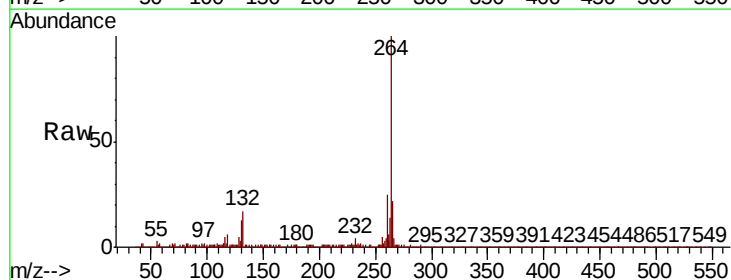
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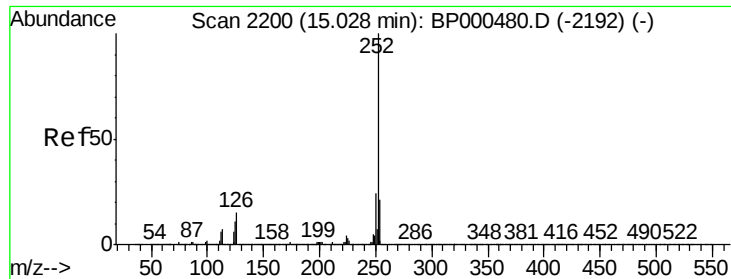
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Tgt Ion:	264	Resp:	815381
Ion Ratio		Lower	Upper
264	100		
260	24.6	20.3	30.5
265	22.4	18.0	27.0





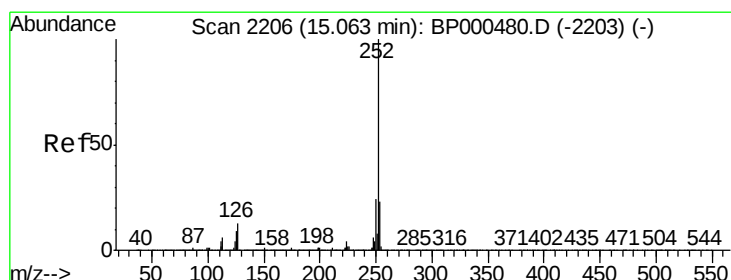
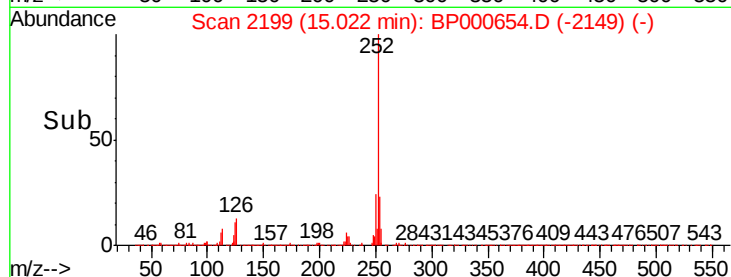
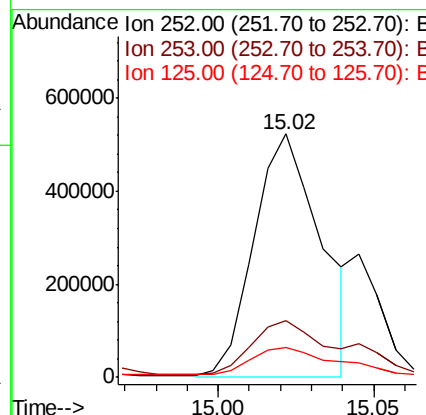
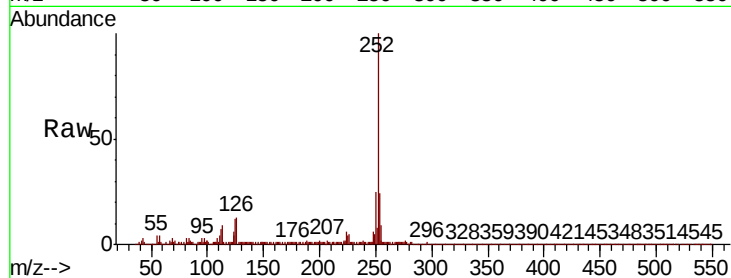
#88
Benzo(b)fluoranthene
Concen: 16.950 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Instrument :
BNA_P
ClientSampleId :
HD-01-100919

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.4
125	12.3	8.9	13.3

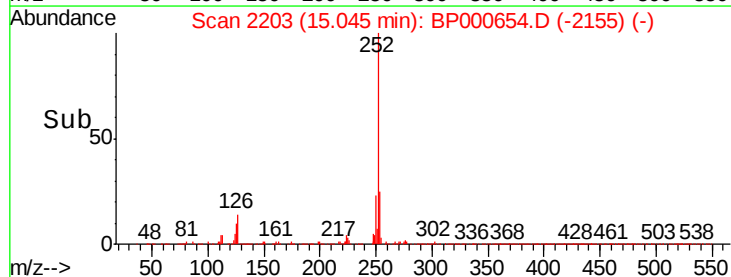
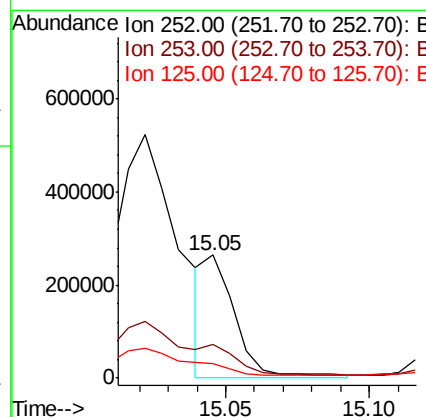
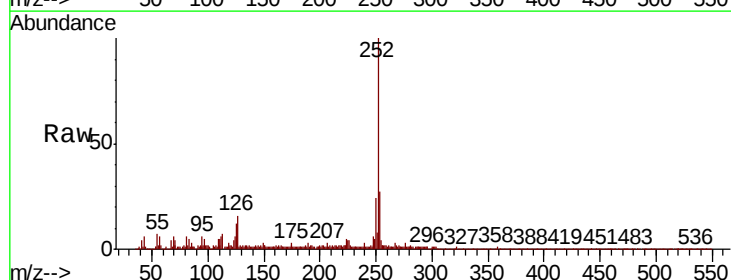
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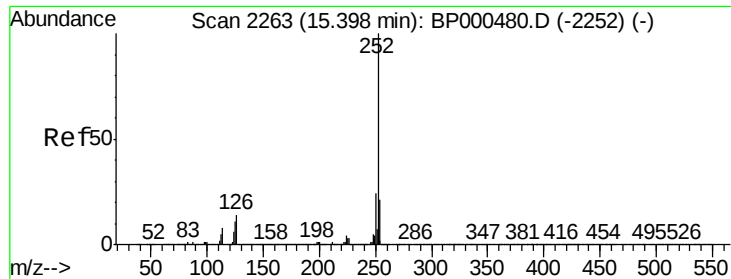
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#89
Benzo(k)fluoranthene
Concen: 4.440 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.4	27.6
125	12.3	7.8	11.8#





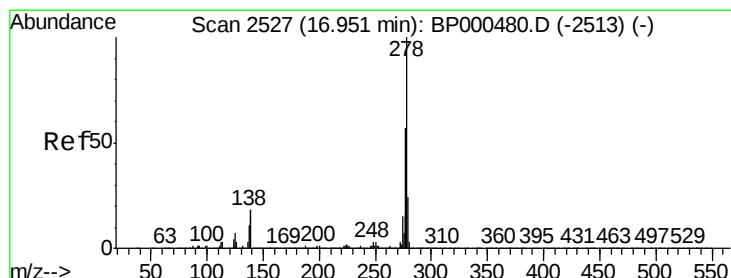
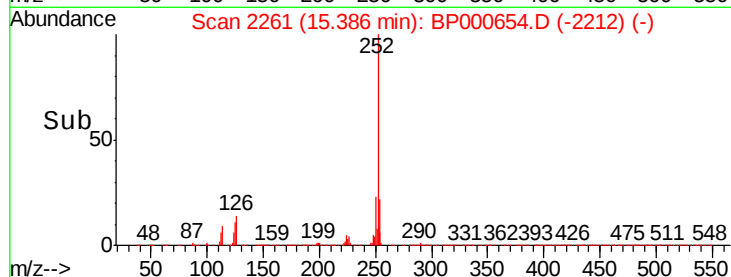
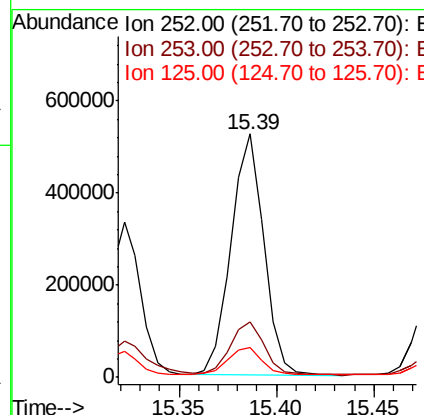
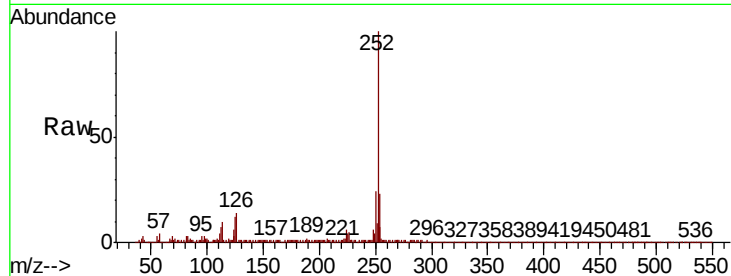
#90
Benzo(a)pyrene
Concen: 14.140 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Instrument :
BNA_P
ClientSampleId :
HD-01-100919

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	12.0	8.4	12.6

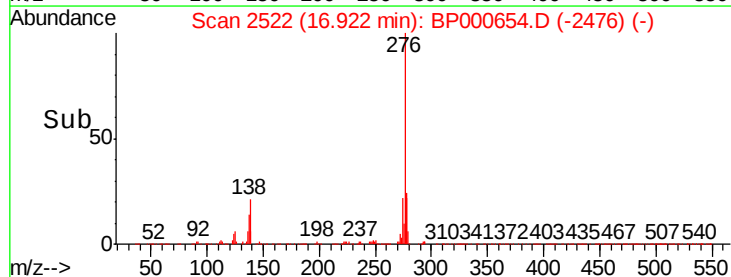
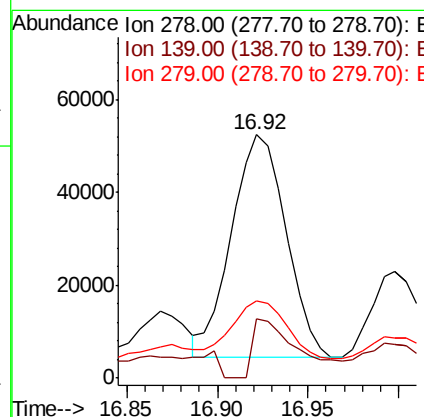
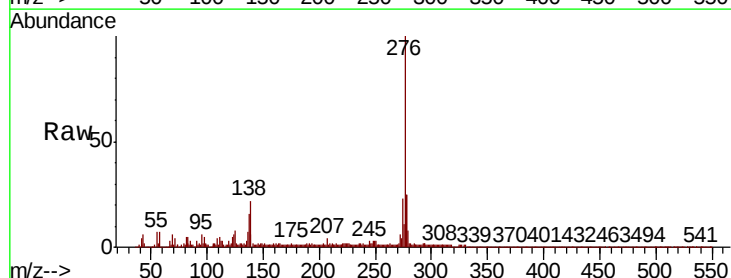
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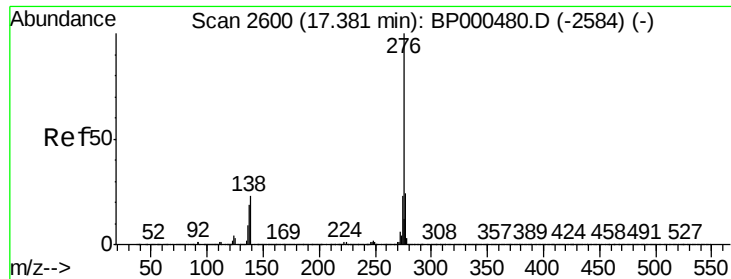
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#91
Dibenzo(a,h)anthracene
Concen: 2.400 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.03 min
Lab File: BP000654.D
Acq: 12 Oct 2019 00:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.2	14.1	21.1#
279	31.5	19.5	29.3#





#92
 Benzo(a,h,i)perylene
 Concen: 10.562 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. -0.02 min
 Lab File: BP000654.D
 Acq: 12 Oct 2019 00:23

Instrument :
 BNA_P
 ClientSampleId :
 HD-01-100919

Tot Ion:	276	Resp:	448865
Ion Ratio		Lower	Upper
276	100		
277	24.6	19.4	29.2
138	23.0	18.5	27.7

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