

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000250.D
 Acq On : 16 Sep 2019 20:48
 Operator : HP/JU
 Sample : K4861-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1-S(1.5-4)

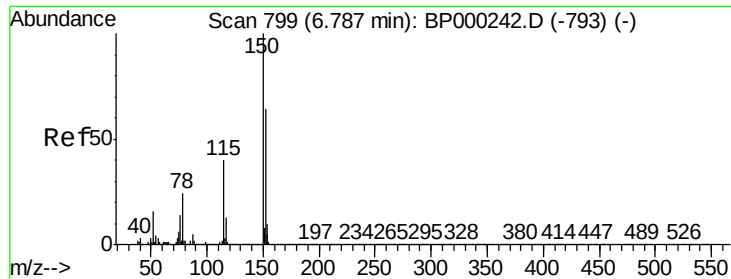
Manual Integrations
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Quant Time: Sep 17 06:51:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	317396	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1163394	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	647678	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1158549	20.00	ng	0.00
76) Chrysene-d12	13.99	240	895092	20.00	ng	-0.01
87) Perylene-d12	15.47	264	986262	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1992384	108.37	ng	0.00
7) Phenol-d6	6.42	99	2592021	115.01	ng	0.00
23) Nitrobenzene-d5	7.35	82	1457855	80.85	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	788155	122.69	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2891885	80.36	ng	0.00
79) Terphenyl-d14	12.93	244	3070802	71.97	ng	0.00
Target Compounds						
10) Phenol	6.43	94	125868	4.916	ng	95
50) Dimethylphthalate	9.54	163	414588	9.395	ng	99
71) Phenanthrene	11.35	178	278921	4.804	ng	99
75) Fluoranthene	12.55	202	1281811	20.561	ng	98
78) Pyrene	12.77	202	1378442	20.584	ng	99
81) Benzo(a)anthracene	13.97	228	784303	13.871	ng	99
83) Chrysene	14.01	228	692441	12.473	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	465923	6.885	ng	93
88) Benzo(b)fluoranthene	15.04	252	934729m	15.887	ng	
89) Benzo(k)fluoranthene	15.06	252	254872m	4.966	ng	
90) Benzo(a)pyrene	15.40	252	698769	13.052	ng	98
91) Dibenzo(a,h)anthracene	16.95	278	113005	2.264	ng	93
92) Benzo(a,h,i)perylene	17.39	276	463333	9.031	ng	99

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



#1

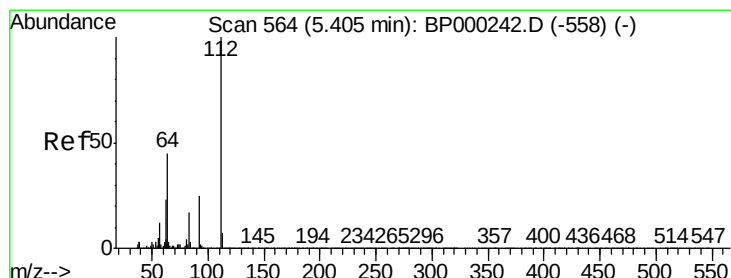
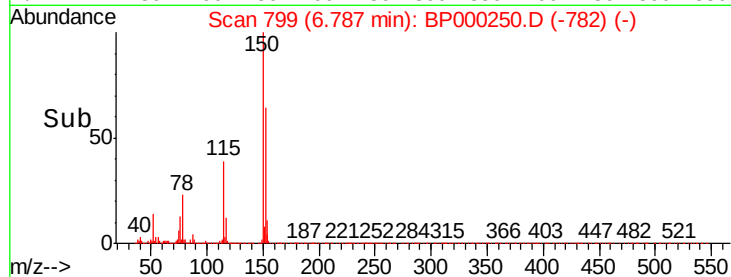
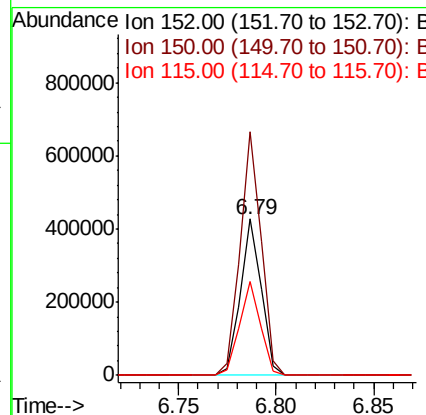
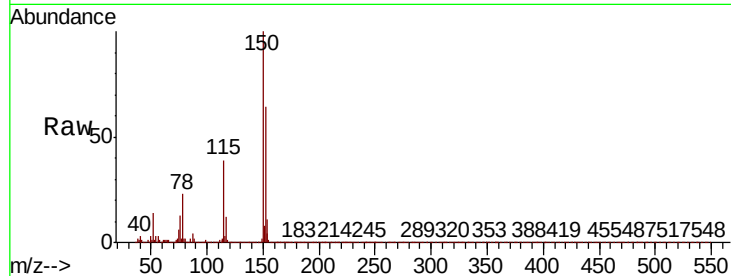
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Instrument :
BNA_P
ClientSampleId :
TP-1-S(1.5-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.2	187.8
115	60.4	49.7	74.5

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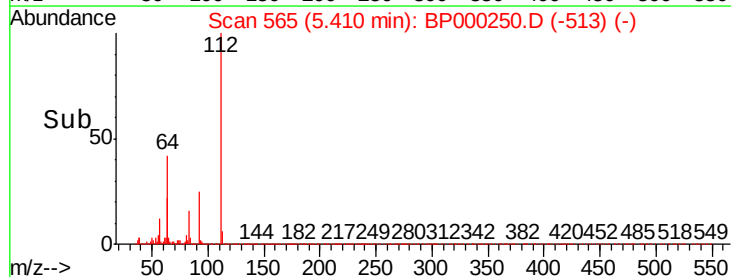
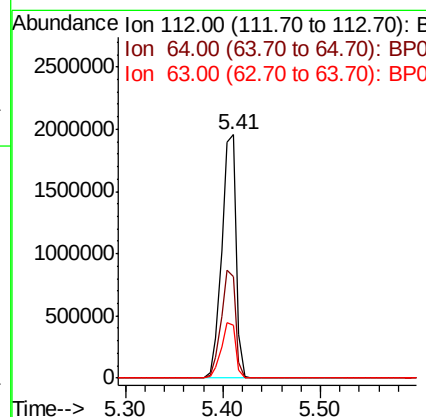
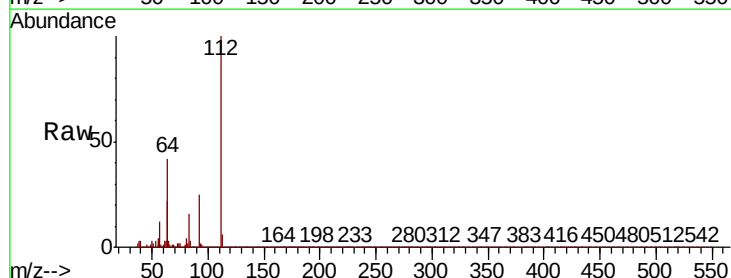
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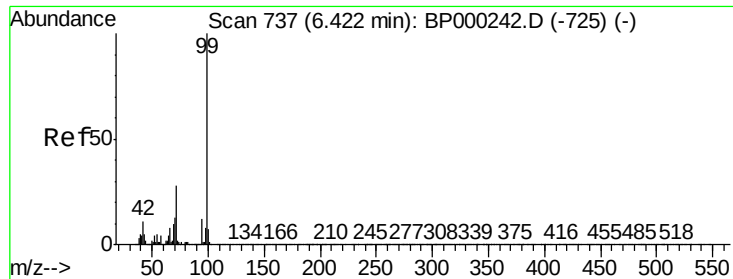


#5

2-Fluorophenol
Concen: 108.368 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.9	36.2	54.4
63	21.6	18.3	27.5





#7

Phenol-d6

Concen: 115.014 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BP000250.D

Acq: 16 Sep 2019 20:48

Instrument :

BNA_P

ClientSampleId :

TP-1-S(1.5-4)

Tot Ion: 99 Resp: 2592021

Ion Ratio Lower Upper

99 100

42 11.2 8.5 12.7

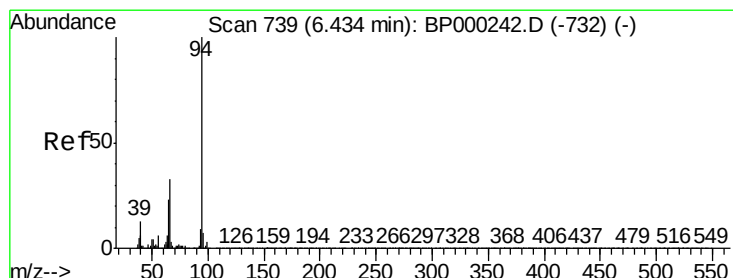
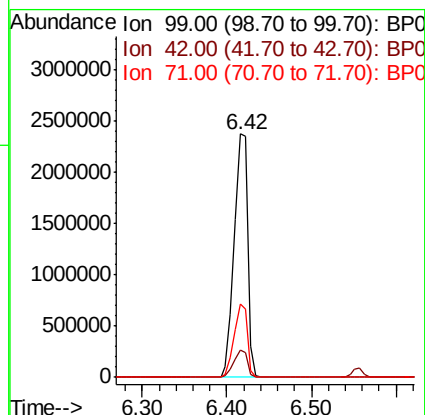
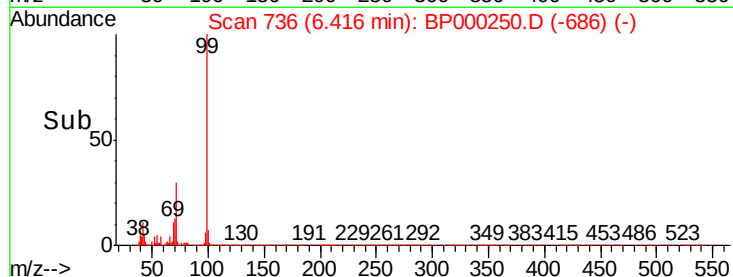
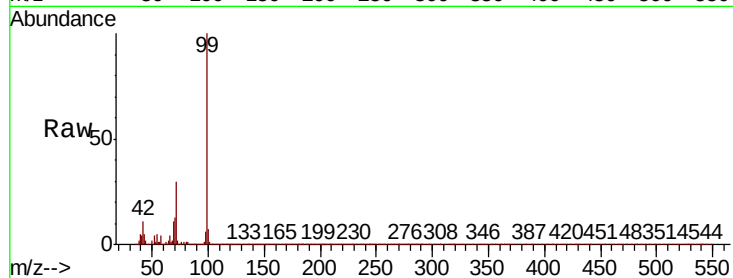
71 30.0 22.6 34.0

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#10

Phenol

Concen: 4.916 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BP000250.D

Acq: 16 Sep 2019 20:48

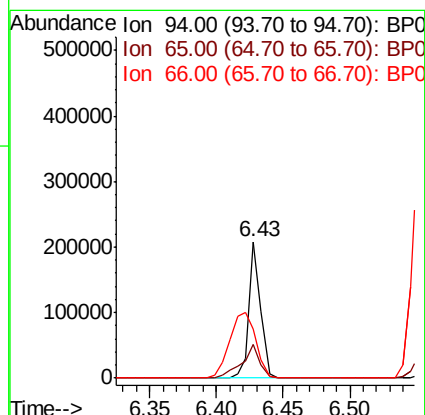
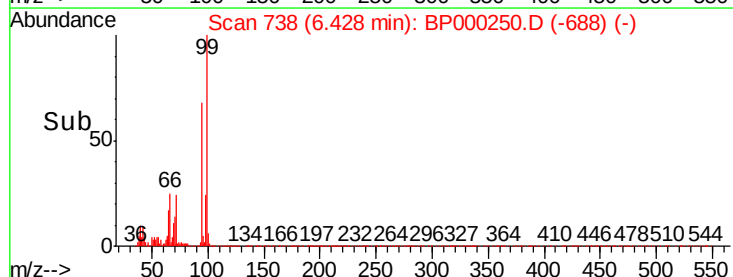
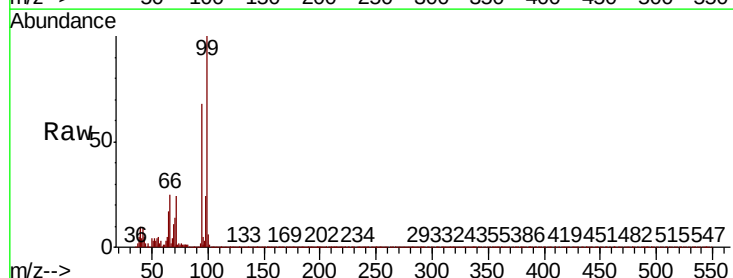
Tgt Ion: 94 Resp: 125868

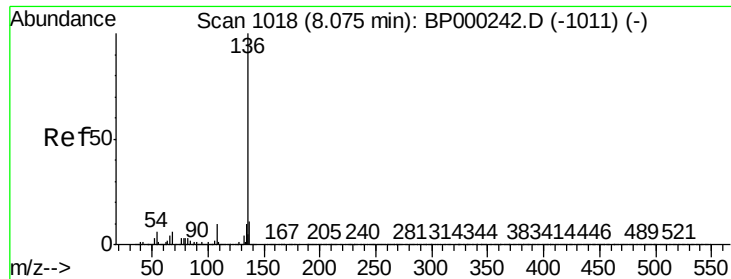
Ion Ratio Lower Upper

94 100

65 24.8 3.3 43.3

66 36.0 12.7 52.7





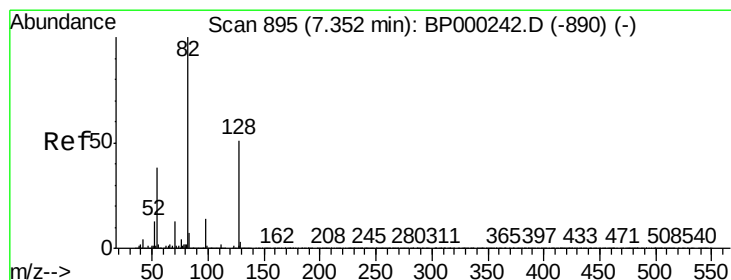
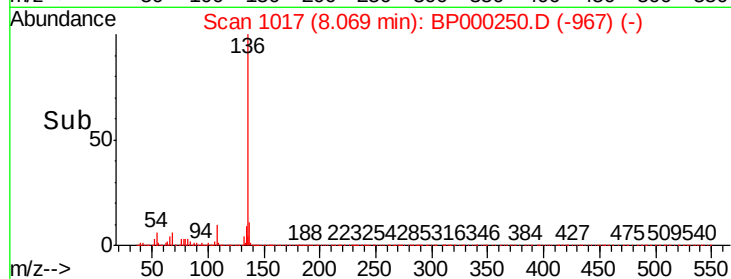
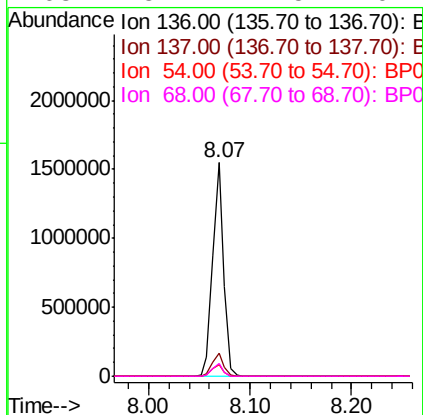
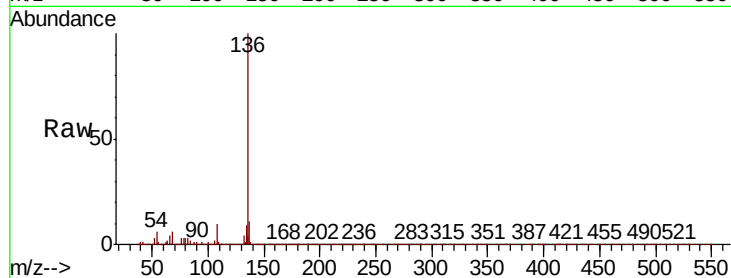
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Instrument :
BNA_P
ClientSampleId :
TP-1-S(1.5-4)

Tot Ion	136	Resp	1163394
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	5.6	4.5	6.7
68	5.7	4.5	6.7

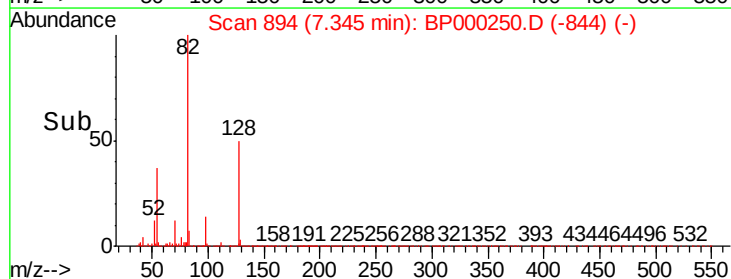
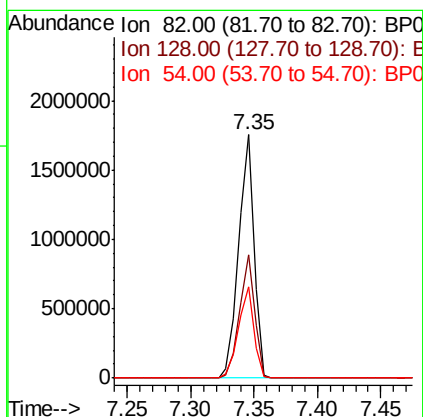
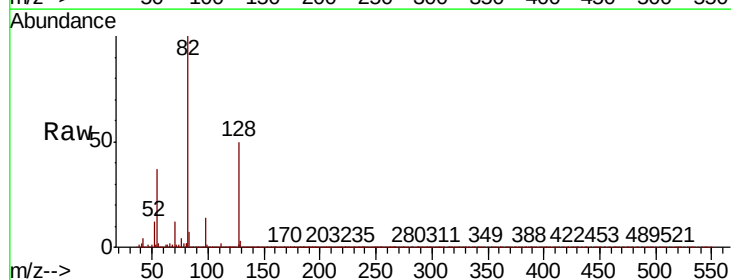
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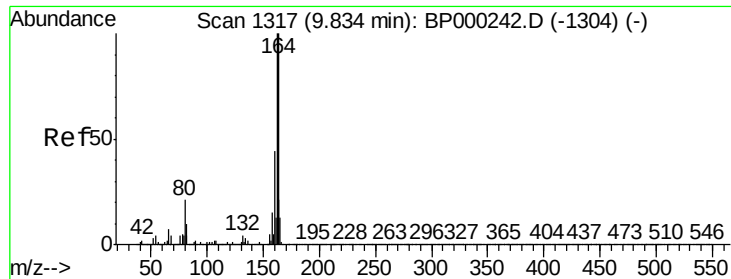
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#23
Nitrobenzene-d5
Concen: 80.850 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Tgt Ion	82	Resp	1457855
Ion	Ratio	Lower	Upper
82	100		
128	50.5	40.7	61.1
54	37.4	30.1	45.1





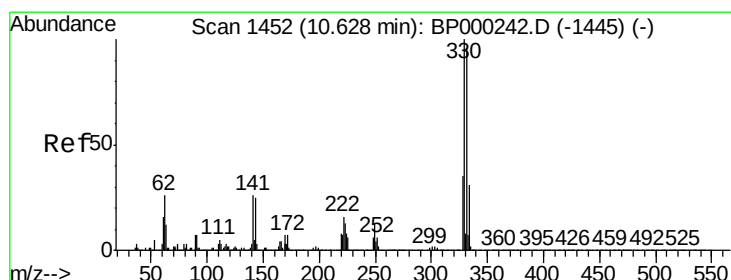
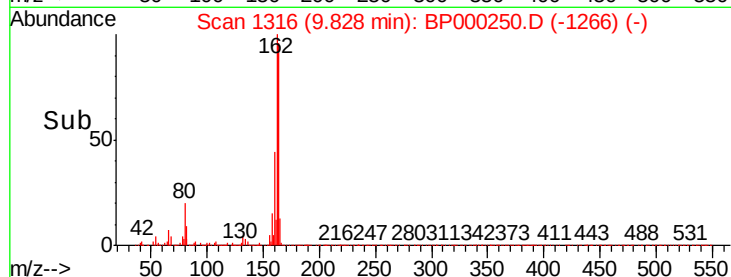
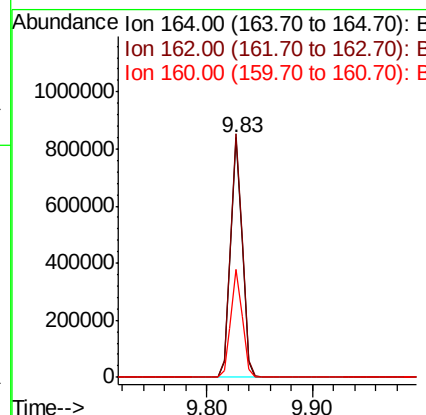
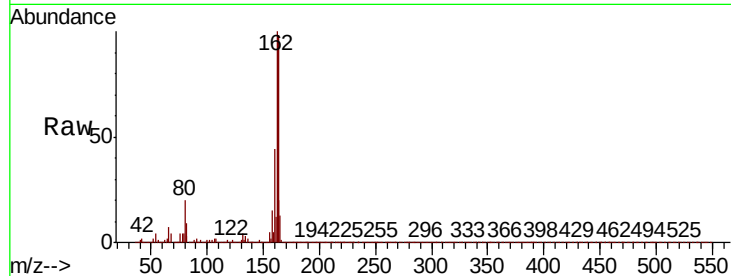
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Instrument :
BNA_P
ClientSampleId :
TP-1-S(1.5-4)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	79.9	119.9	
160	44.9	35.6	53.4	

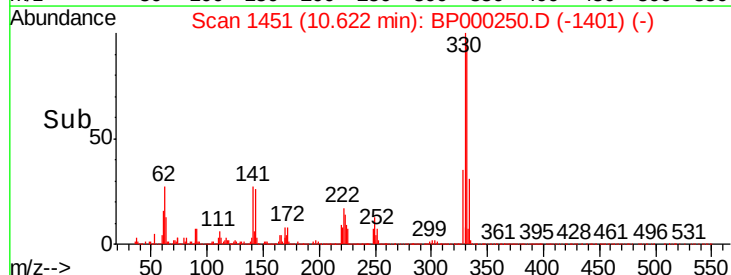
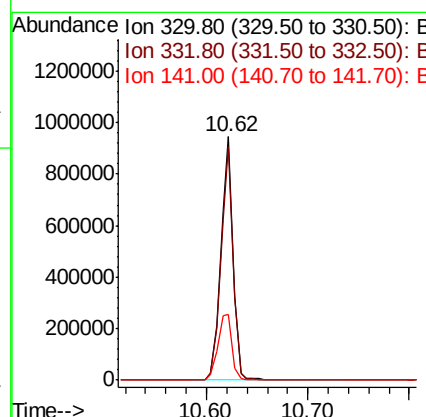
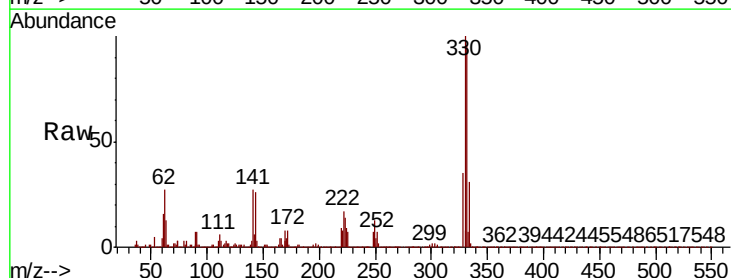
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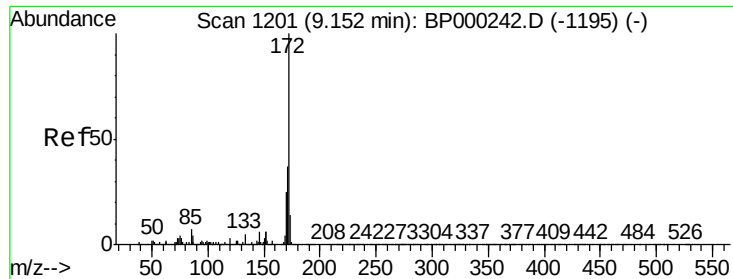
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#42
2,4,6-Tribromophenol
Concen: 122.687 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	76.6	115.0	
141	31.3	26.5	39.7	





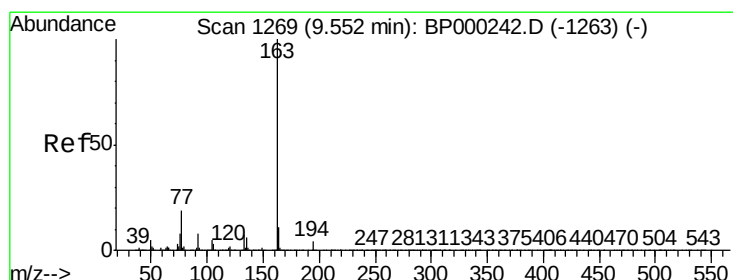
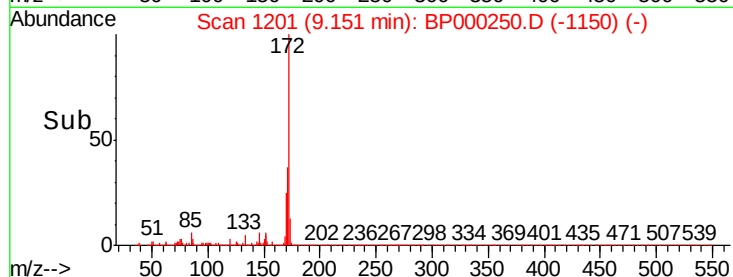
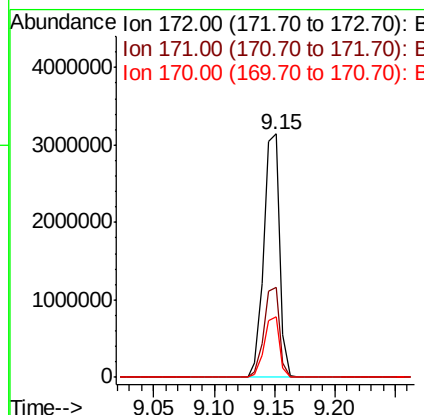
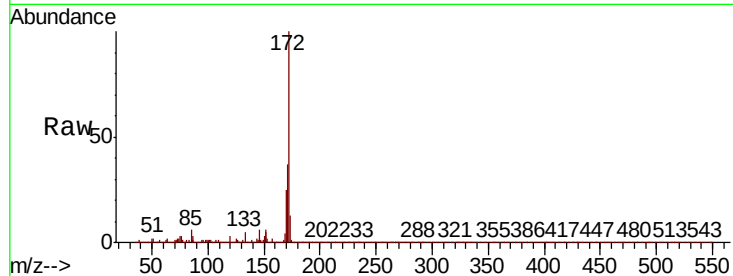
#45
2-Fluorobiphenyl
Concen: 80.362 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Instrument :
BNA_P
ClientSampleId :
TP-1-S(1.5-4)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.8	44.6
170	24.7	19.8	29.6

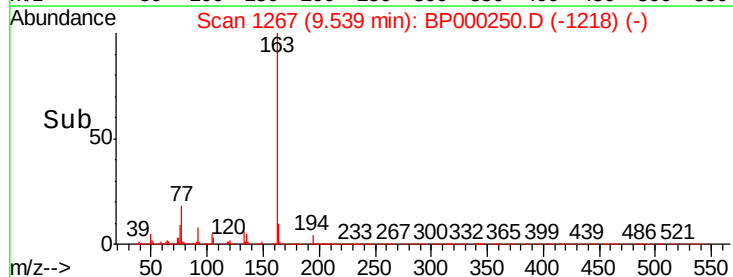
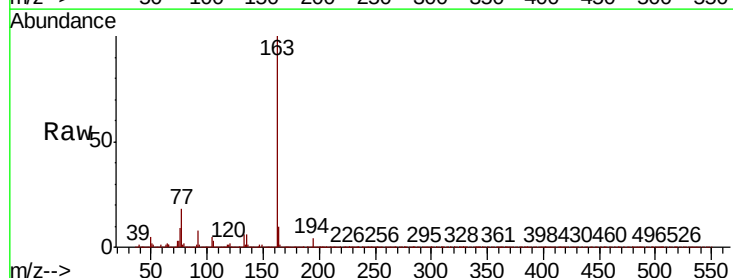
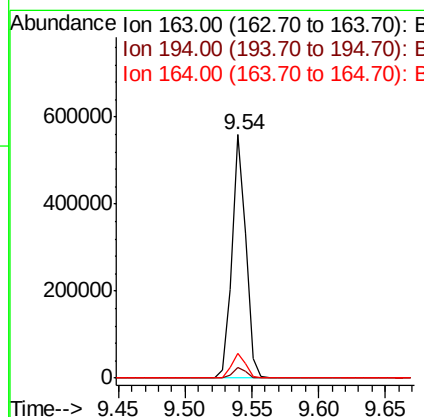
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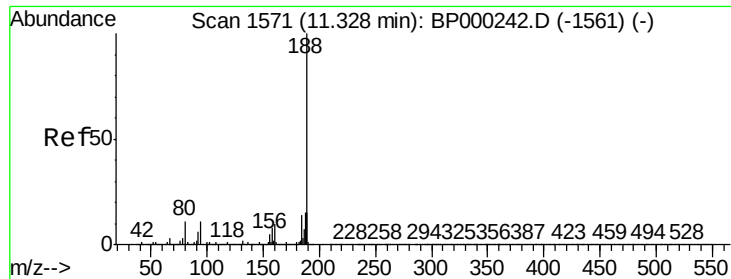
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#50
Dimethylphthalate
Concen: 9.395 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.5	12.7





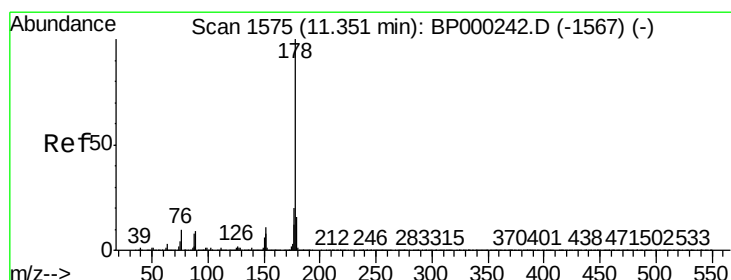
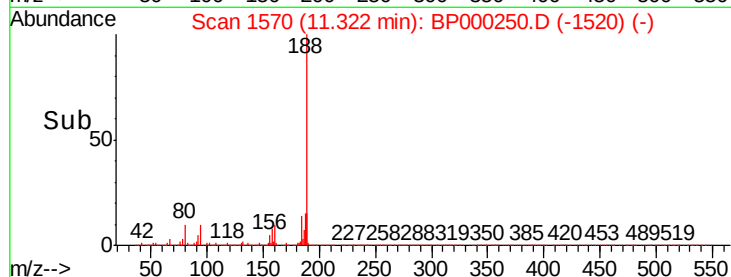
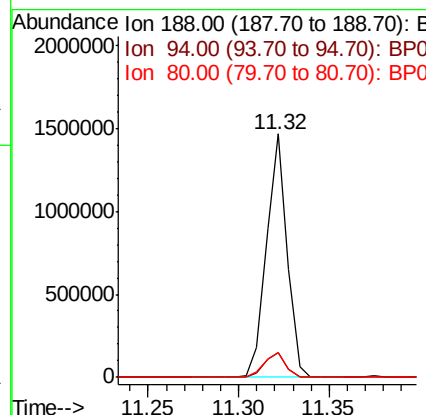
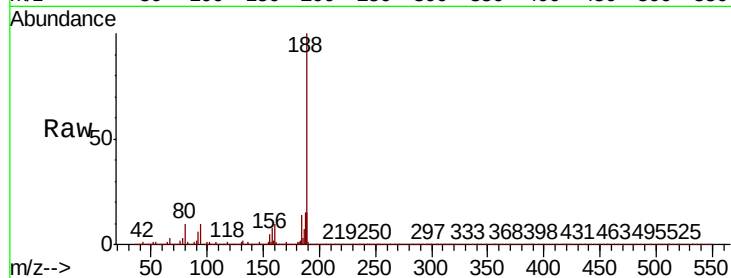
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Instrument :
BNA_P
ClientSampleId :
TP-1-S(1.5-4)

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.1	8.6	13.0

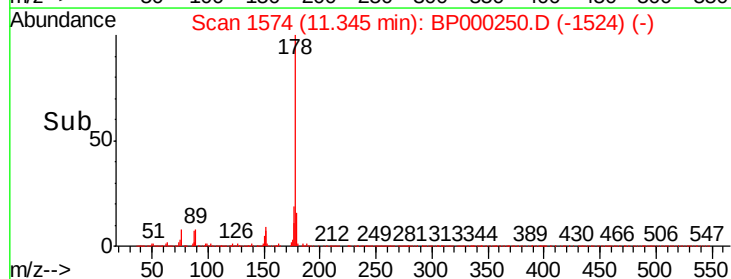
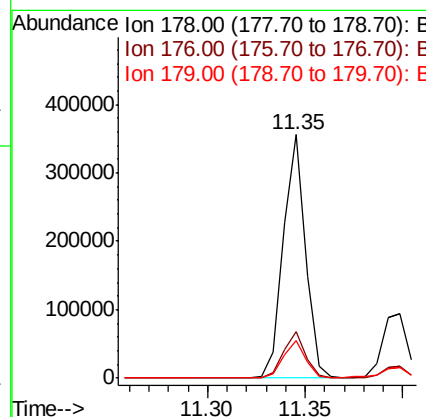
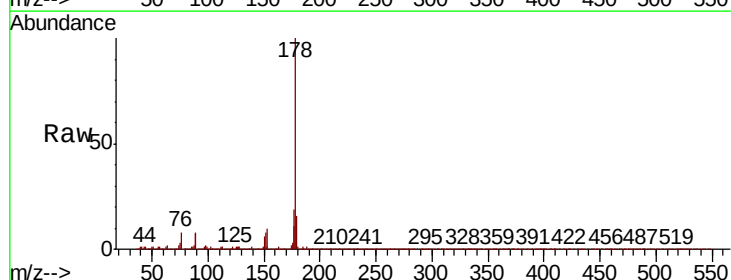
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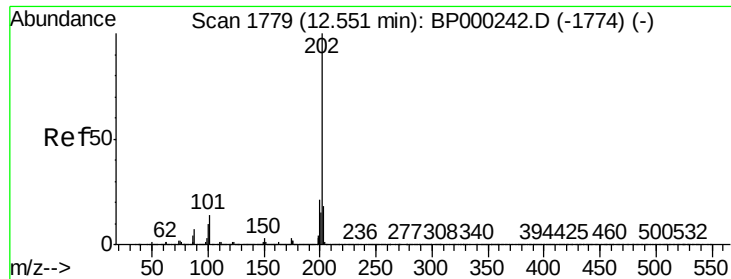
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#71
Phenanthrene
Concen: 4.804 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.7	12.7	19.1





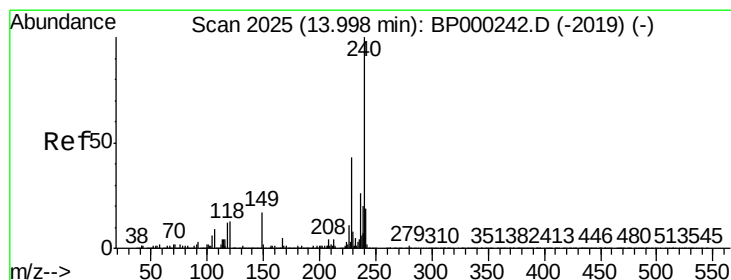
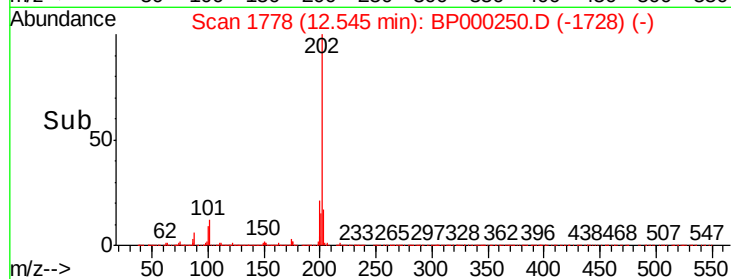
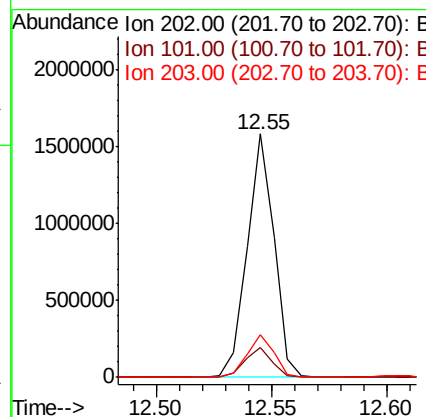
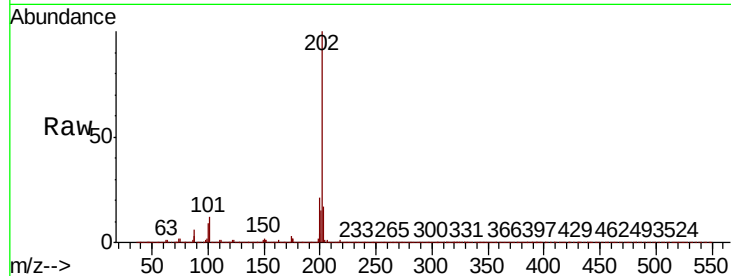
#75
Fluoranthene
Concen: 20.561 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Instrument :
BNA_P
ClientSampleId :
TP-1-S(1.5-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.3	0.0	33.9
203	17.5	0.0	38.0

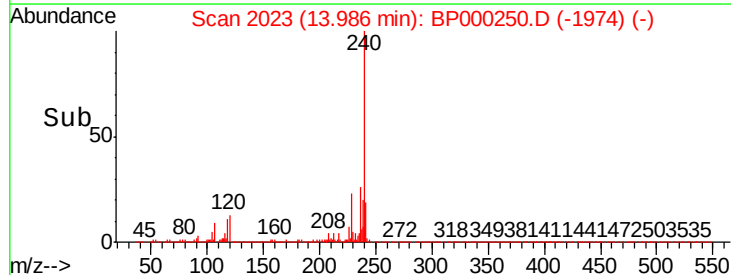
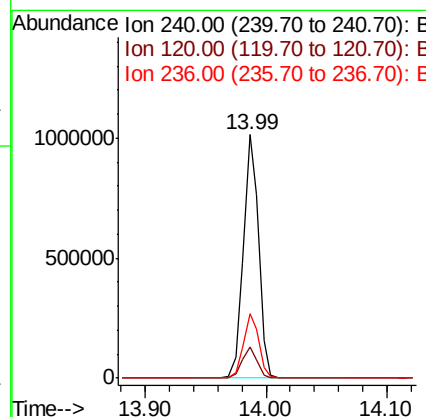
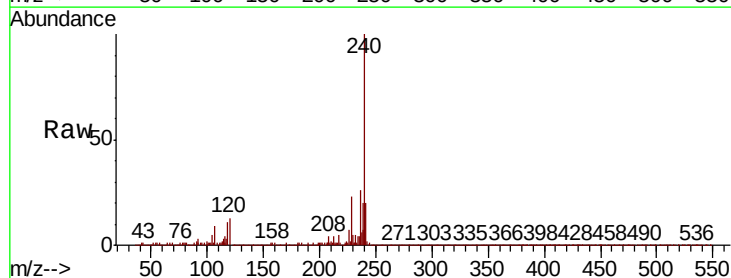
Manual Integrations
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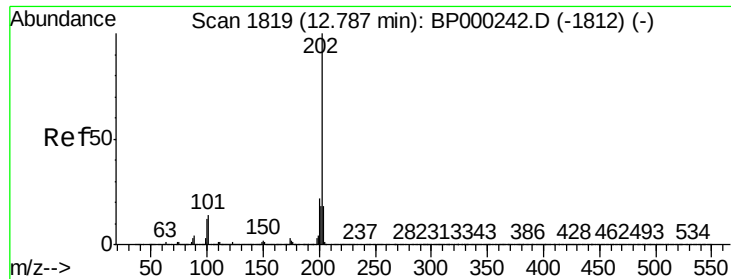
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.7	10.4	15.6
236	26.3	21.0	31.6





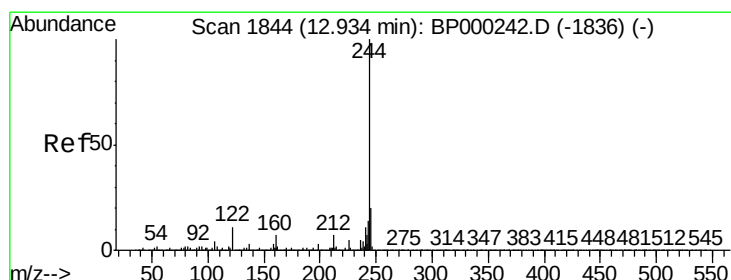
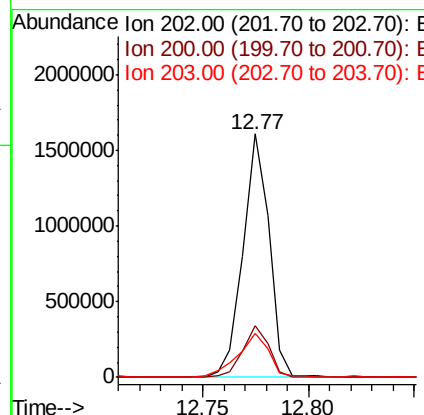
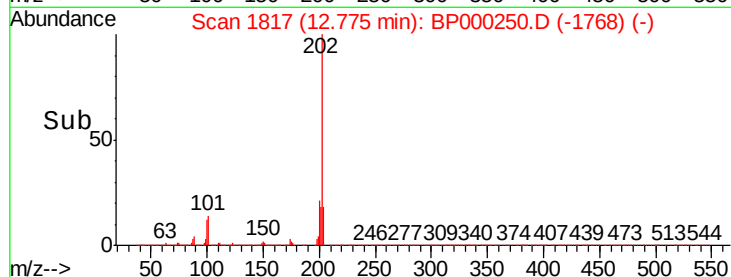
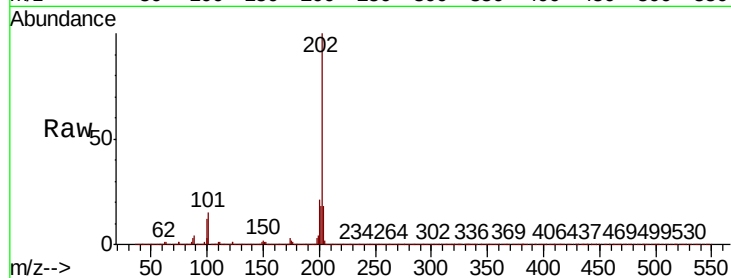
#78
Pvrene
Concen: 20.584 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Instrument :
BNA_P
ClientSampleId :
TP-1-S(1.5-4)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.5	26.3
203	18.0	14.3	21.5

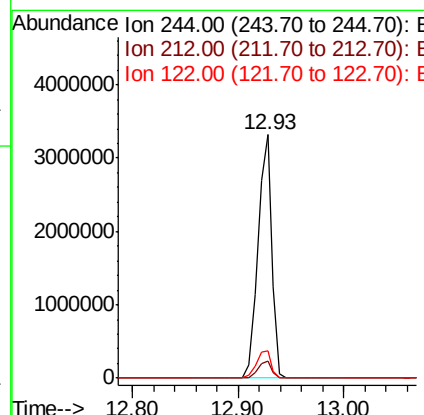
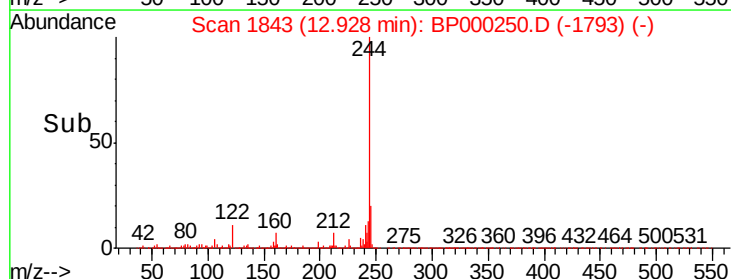
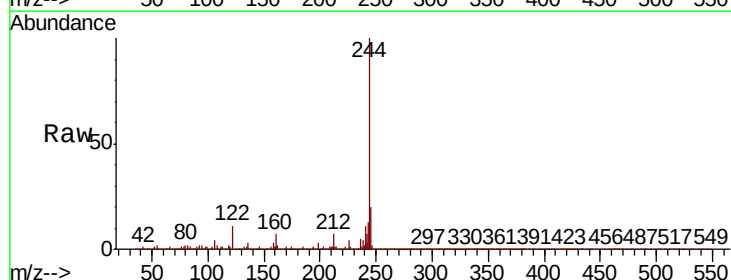
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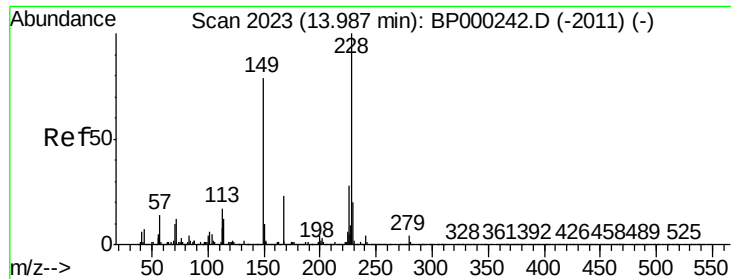
mohammad
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#79
Terphenyl-d14
Concen: 71.971 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	11.0	9.0	13.4





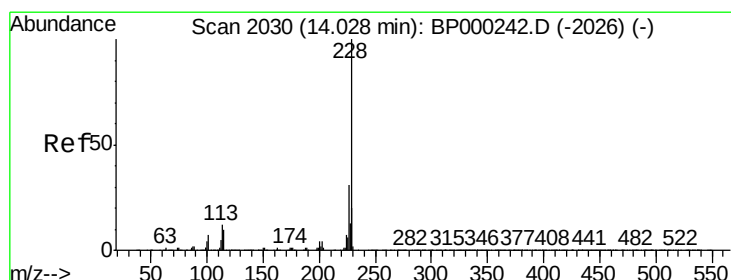
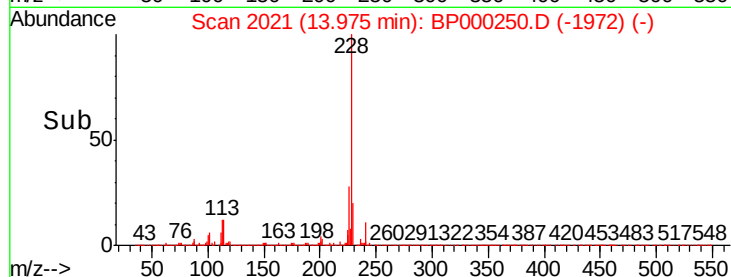
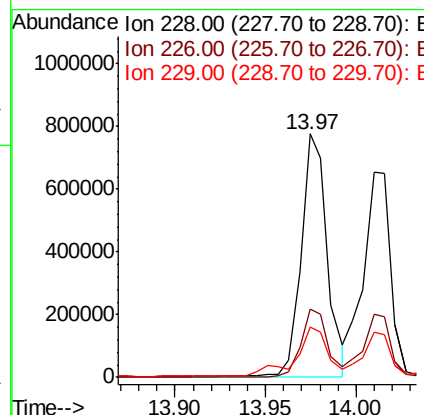
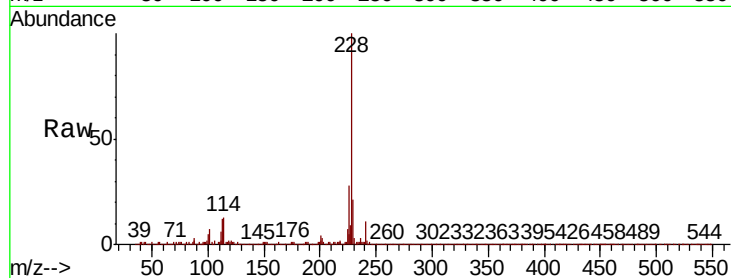
#81
Benzo(a)anthracene
Concen: 13.871 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Instrument :
BNA_P
ClientSampled :
TP-1-S(1.5-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.4
229	20.8	16.0	24.0

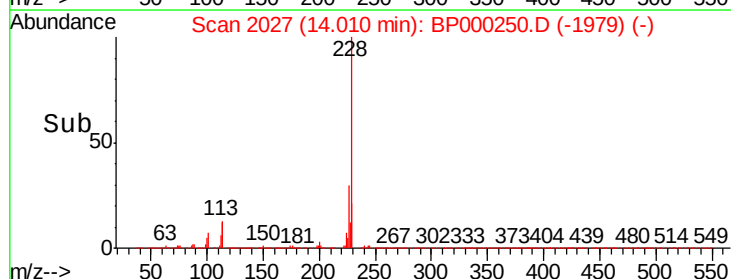
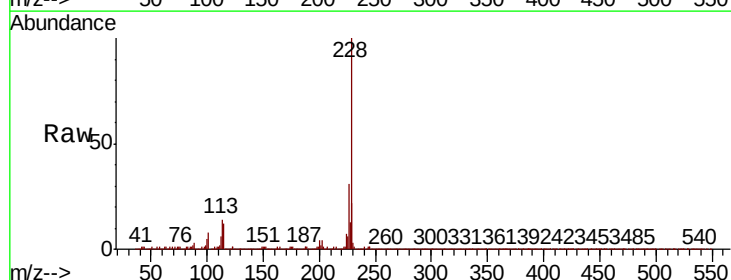
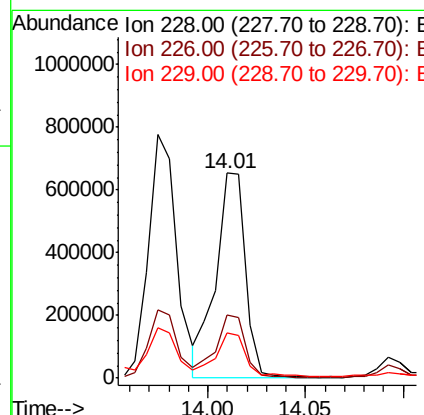
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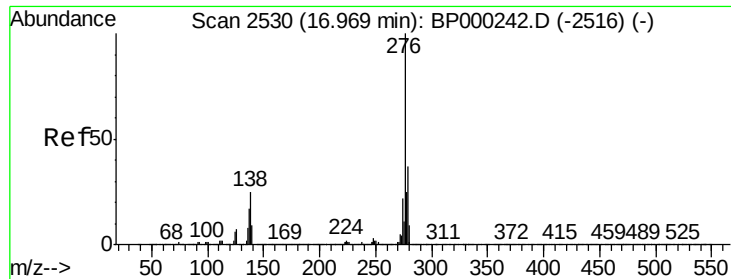
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#83
Chrysene
Concen: 12.473 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.9	37.3
229	21.9	16.2	24.2





#86

Indeno(1,2,3-cd)pyrene

Concen: 6.885 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.03 min

Lab File: BP000250.D

Acq: 16 Sep 2019 20:48

Instrument :

BNA_P

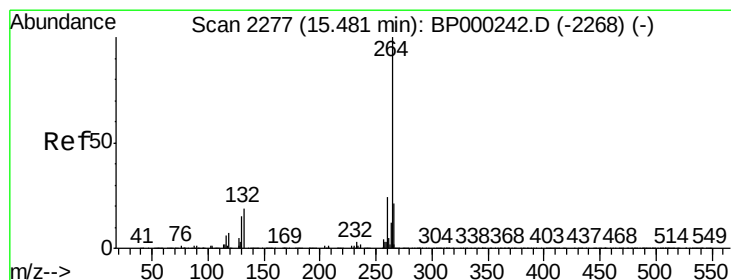
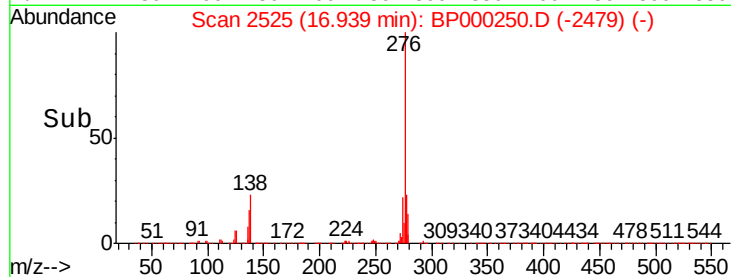
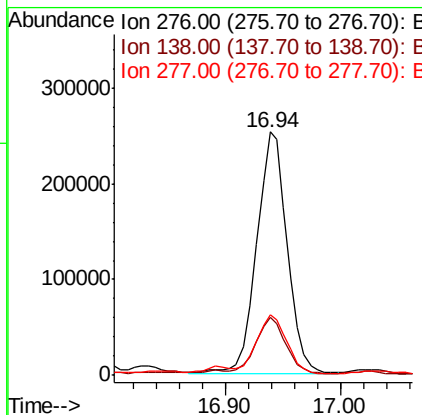
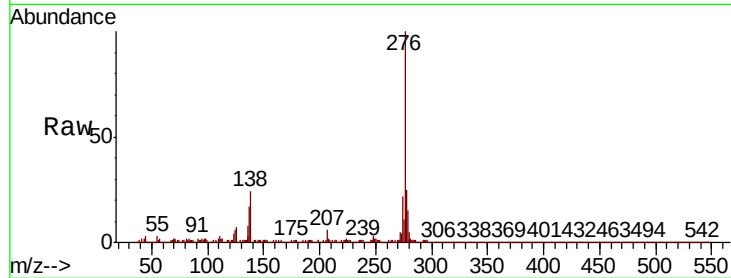
ClientSampleId :

TP-1-S(1.5-4)

Tot Ion:	276	Resp:	465923
Ion Ratio	Lower	Upper	
276	100		
138	23.0	22.6	33.8
277	24.0	20.4	30.6

Manual Integrations
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#87

Perylene-d12

Concen: 20.000 ng

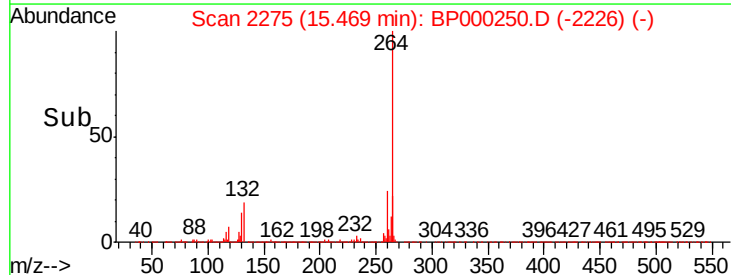
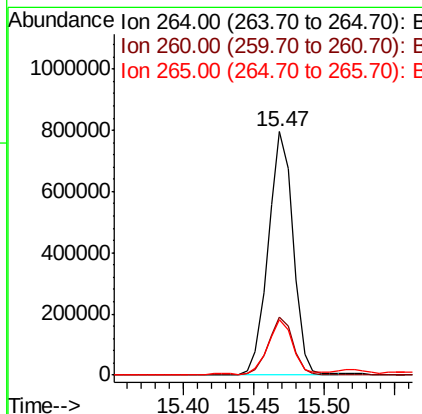
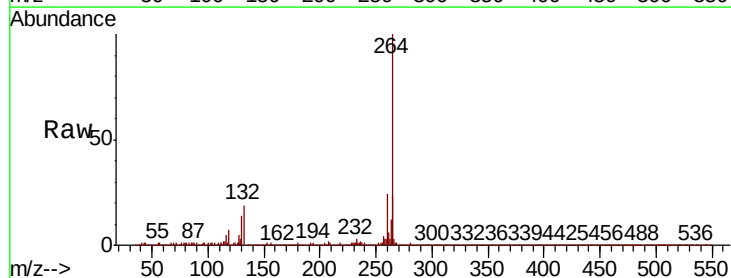
RT: 15.47 min Scan# 2275

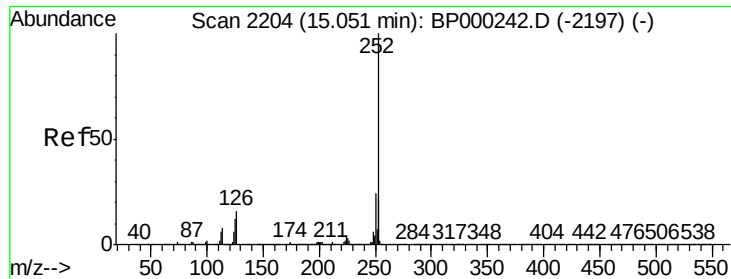
Delta R.T. -0.01 min

Lab File: BP000250.D

Acq: 16 Sep 2019 20:48

Tgt Ion:	264	Resp:	986262
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.9	28.3
265	22.6	17.2	25.8





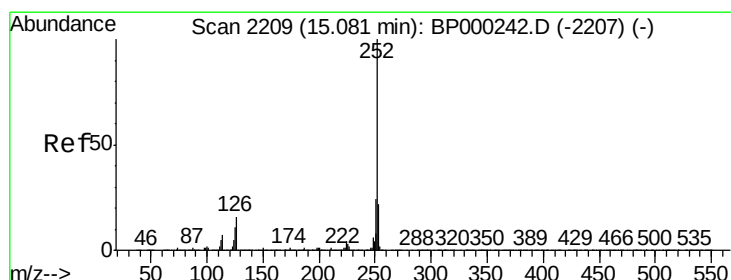
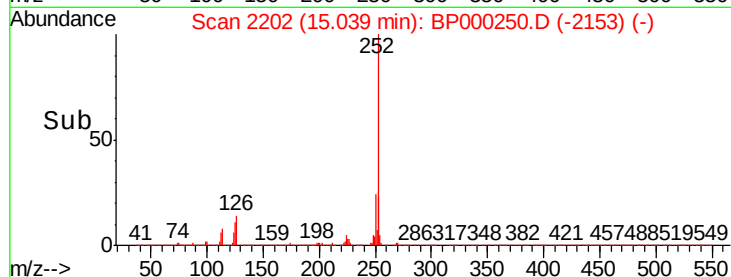
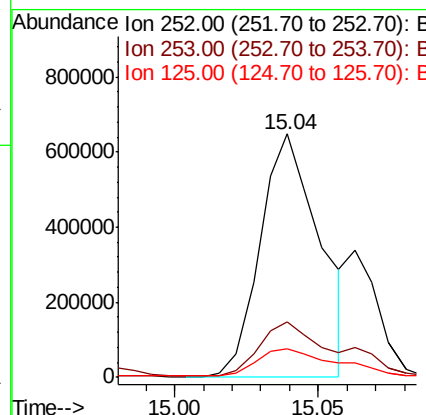
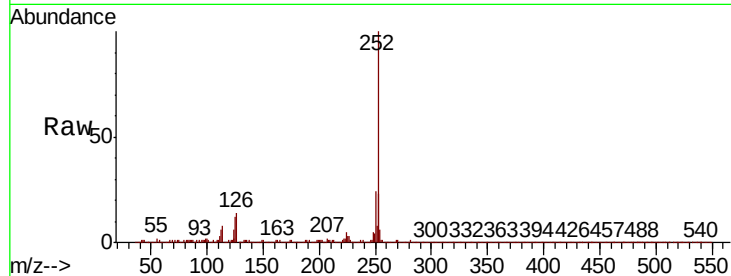
#88
Benzo(b)fluoranthene
Concen: 15.887 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Instrument :
BNA_P
ClientSampleId :
TP-1-S(1.5-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	11.6	9.5	14.3

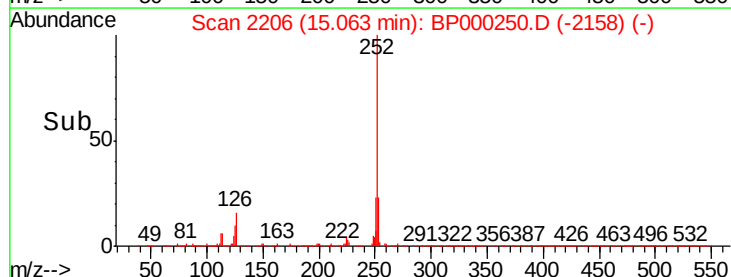
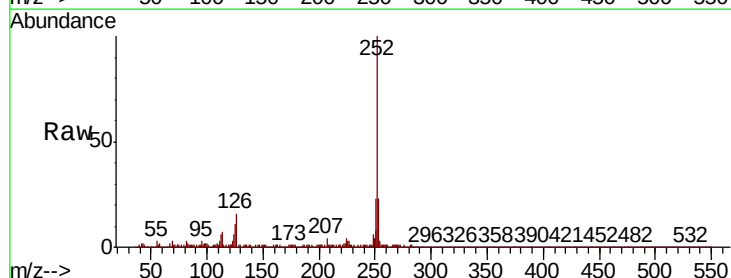
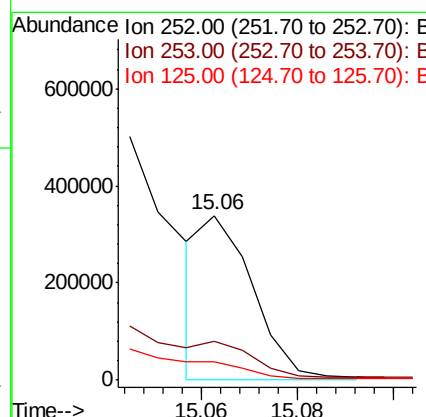
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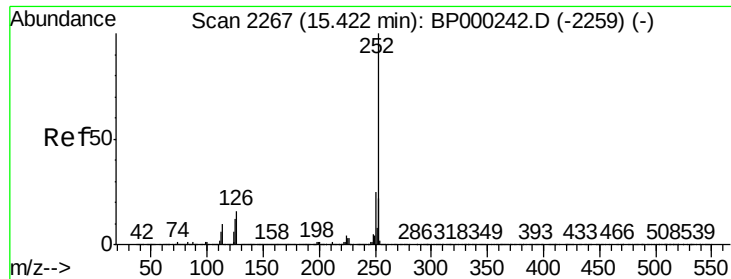
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#89
Benzo(k)fluoranthene
Concen: 4.966 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	11.3	9.6	14.4





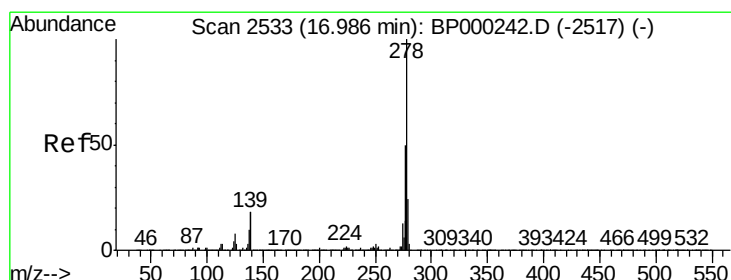
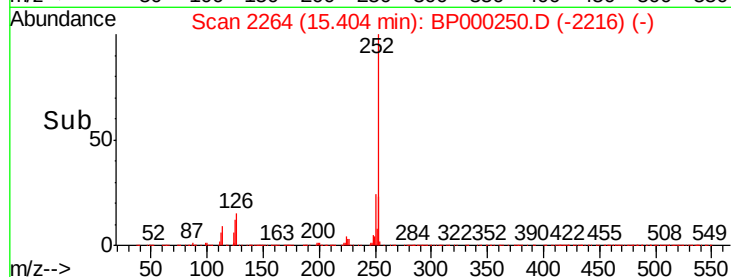
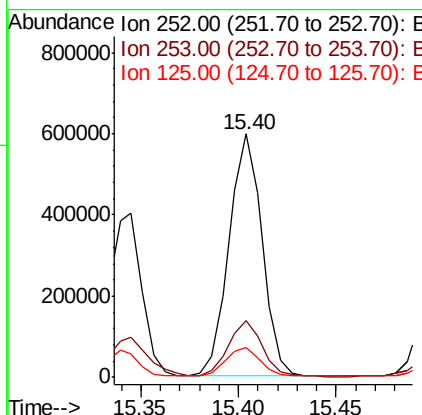
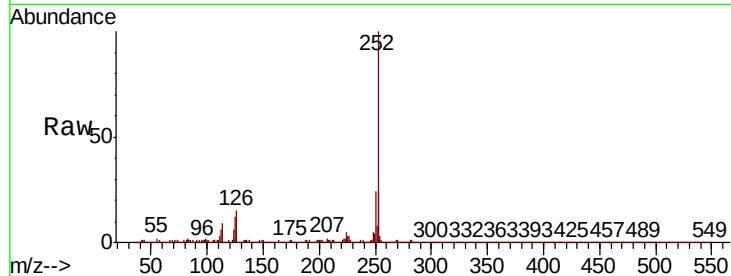
#90
Benzo(a)pyrene
Concen: 13.052 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Instrument :
BNA_P
ClientSampleId :
TP-1-S(1.5-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	12.3	10.0	15.0

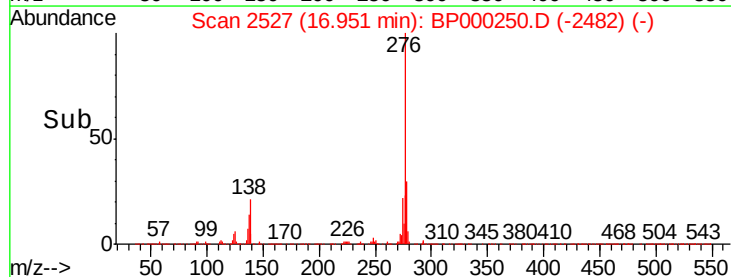
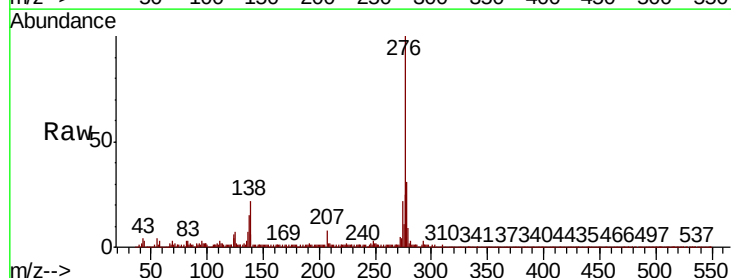
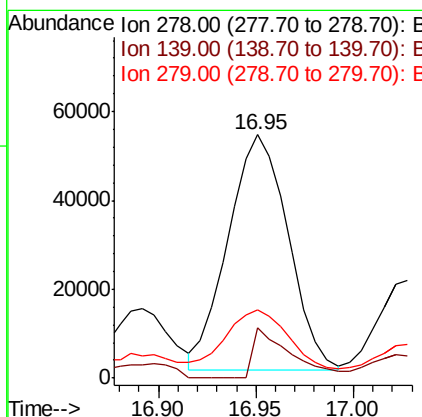
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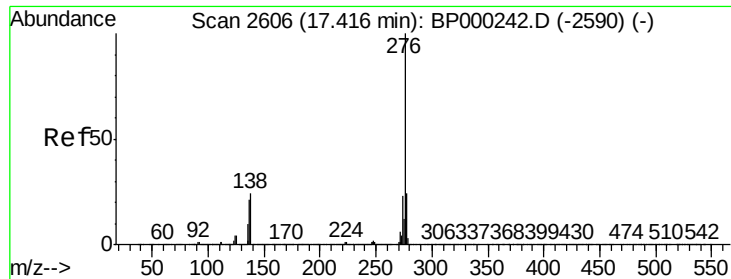
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#91
Dibenzo(a,h)anthracene
Concen: 2.264 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.04 min
Lab File: BP000250.D
Acq: 16 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.7	14.5	21.7
279	28.1	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 9.031 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. -0.03 min
 Lab File: BP000250.D
 Acq: 16 Sep 2019 20:48

Instrument :
 BNA_P
 ClientSampleId :
 TP-1-S(1.5-4)

Tot Ion:	276	Resp:	463333
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.1	28.7
138	23.8	19.5	29.3

Manual Integrations
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