

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
 Data File : BP000677.D
 Acq On : 12 Oct 2019 19:10
 Operator : JU
 Sample : K5324-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-PILE

Manual Integrations
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mohammad
 10/16/2019 8:07:55 AM

Quant Time: Oct 14 05:28:52 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	285416	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	1053475	20.00	ng	-0.03
39) Acenaphthene-d10	9.80	164	595142	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	1101622	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	911112	20.00	ng	-0.01
87) Perylene-d12	15.45	264	989422	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1465055	82.51	ng	-0.02
7) Phenol-d6	6.39	99	1887529	88.22	ng	-0.02
23) Nitrobenzene-d5	7.31	82	1040130	60.30	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	528135	83.28	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	2000304	54.38	ng	-0.02
79) Terphenyl-d14	12.90	244	2314256	51.43	ng	-0.01
Target Compounds						
10) Phenol	6.40	94	57252	2.613	ng	98
37) 2-Methylnaphthalene	8.75	142	283003	8.568	ng	100
38) 1-Methylnaphthalene	8.85	142	195234	6.256	ng	99
46) 1,1'-Biphenyl	9.22	154	130475	2.904	ng	99
50) Dimethylphthalate	9.51	163	294731	7.127	ng	99
52) Acenaphthene	9.83	154	753998	23.718	ng	99
55) Dibenzofuran	10.00	168	953312	20.060	ng	98
58) Fluorene	10.35	166	946785	27.954	ng	100
71) Phenanthrene	11.32	178	3151853	56.969	ng	97
72) Anthracene	11.37	178	402163	7.331	ng	99
73) Carbazole	11.53	167	106683	2.098	ng	99
75) Fluoranthene	12.53	202	2562182	41.234	ng	99
78) Pvrene	12.75	202	1744460	27.761	ng	99
81) Benzo(a)anthracene	13.96	228	472902	8.507	ng	97
83) Chrysene	13.99	228	330216	6.052	ng	97
88) Benzo(b)fluoranthene	15.02	252	221711m	3.950	ng	
90) Benzo(a)pvrene	15.37	252	105243	2.011	ng	97

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

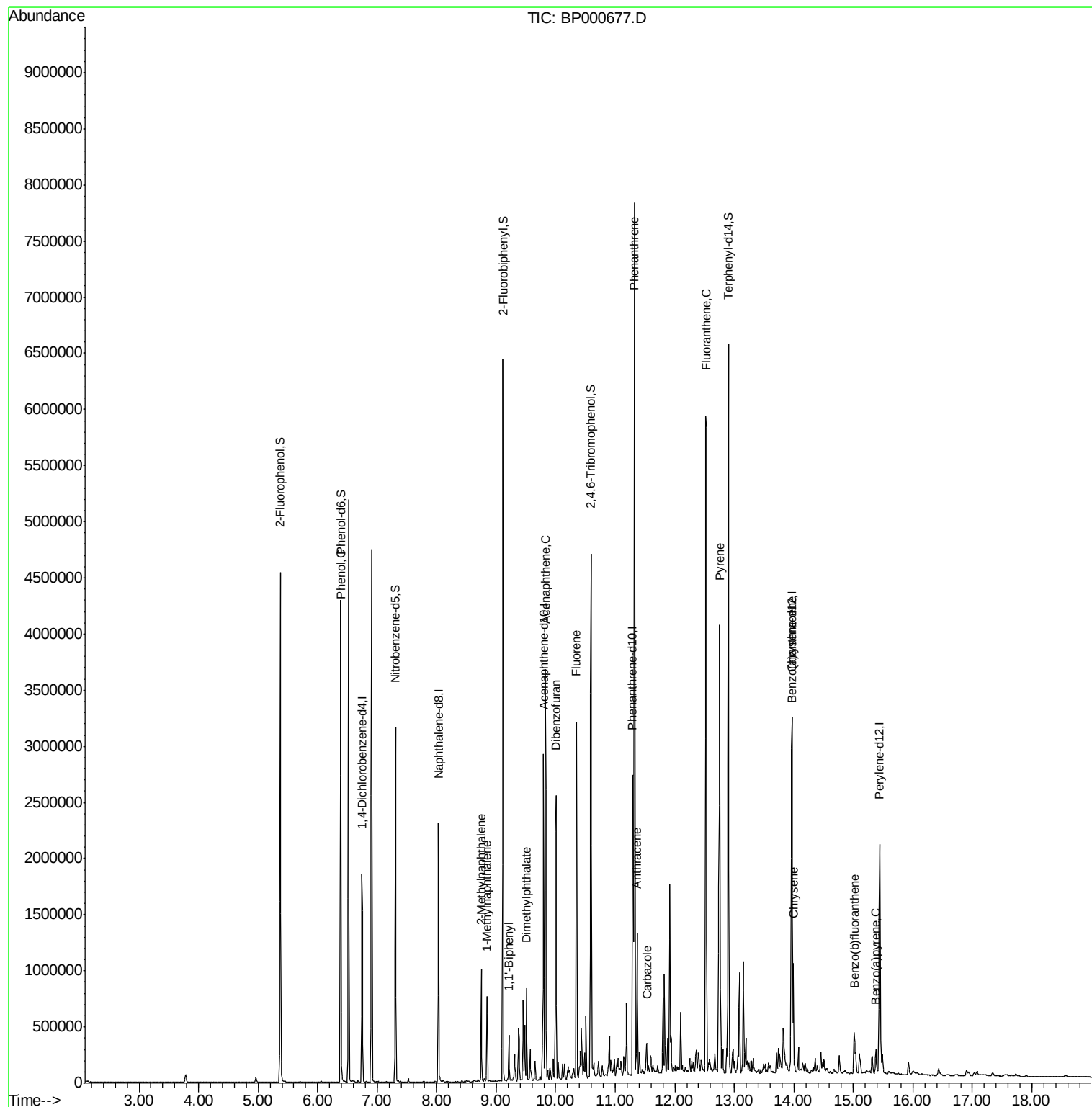
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000677.D
Acq On : 12 Oct 2019 19:10
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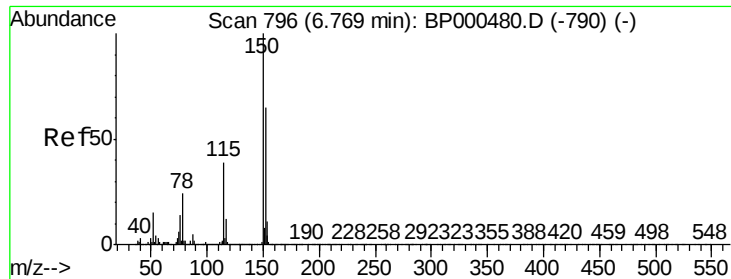
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#1

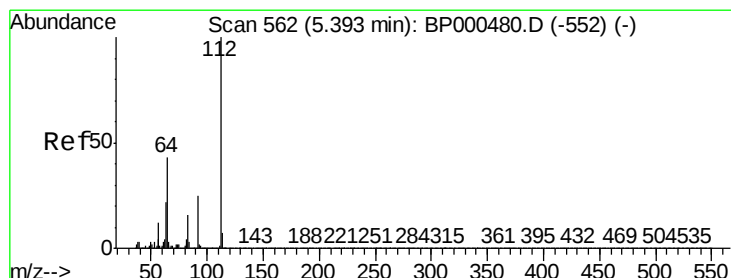
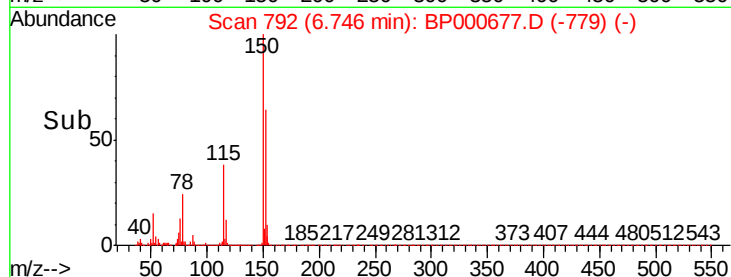
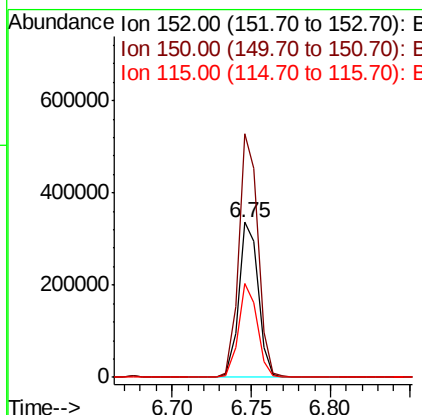
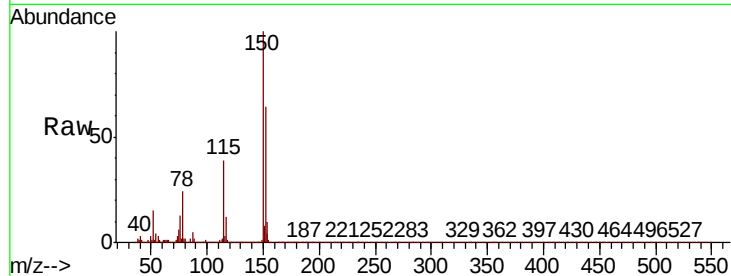
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.1	186.1
115	60.6	48.7	73.1

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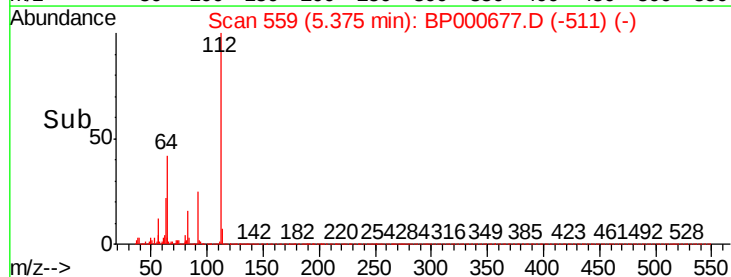
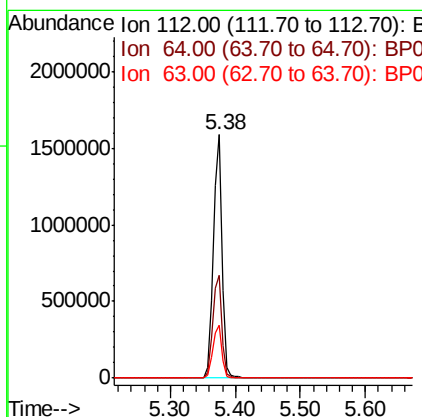
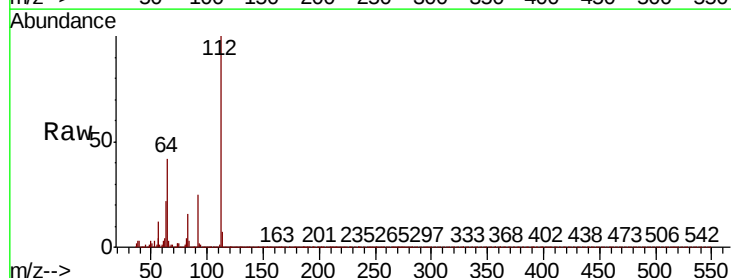
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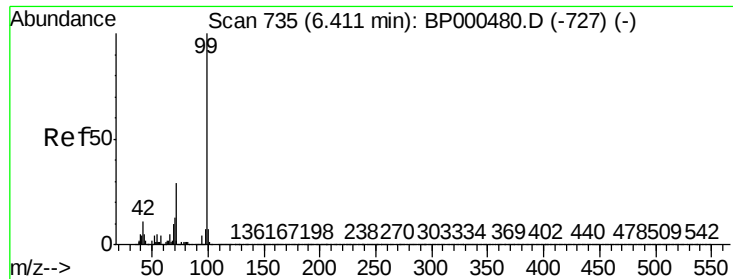


#5

2-Fluorophenol
Concen: 82.511 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.4	34.2	51.4
63	21.9	17.9	26.9





#7

Phenol-d6

Concen: 88.216 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BP000677.D

Acq: 12 Oct 2019 19:10

Instrument :

BNA_P

ClientSampleId :

SOIL-PILE

Tot Ion: 99 Resp: 1887529

Ion Ratio Lower Upper

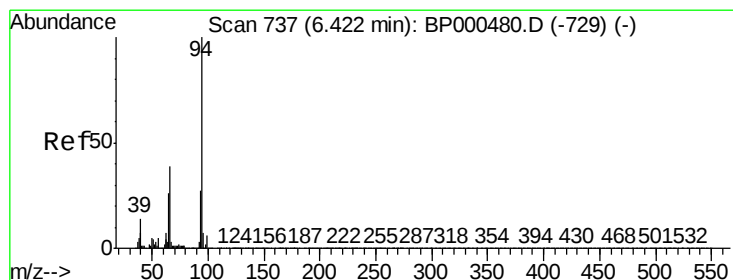
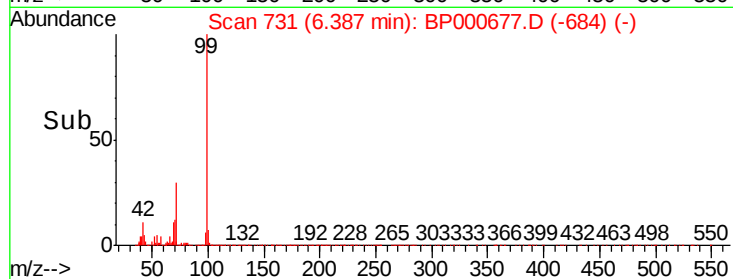
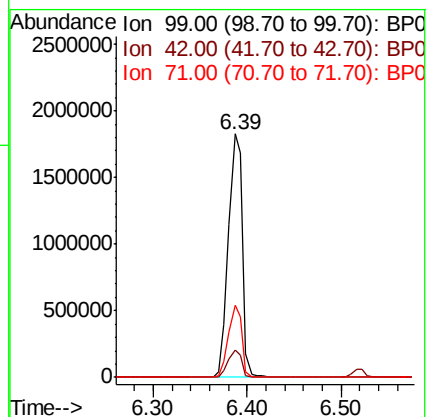
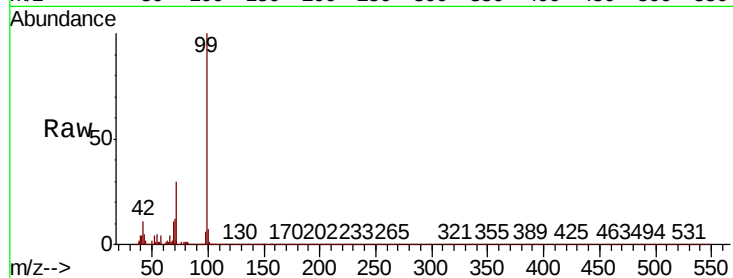
99 100

42 11.1 8.6 12.8

71 29.5 23.0 34.4

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#10

Phenol

Concen: 2.613 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BP000677.D

Acq: 12 Oct 2019 19:10

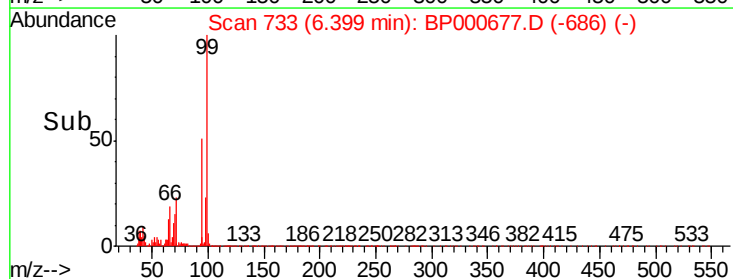
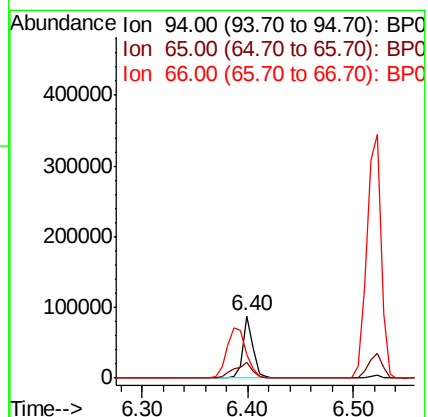
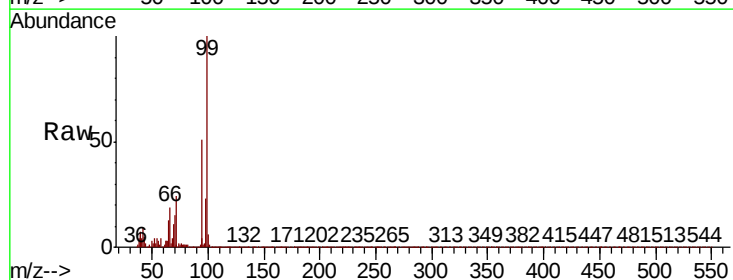
Tgt Ion: 94 Resp: 57252

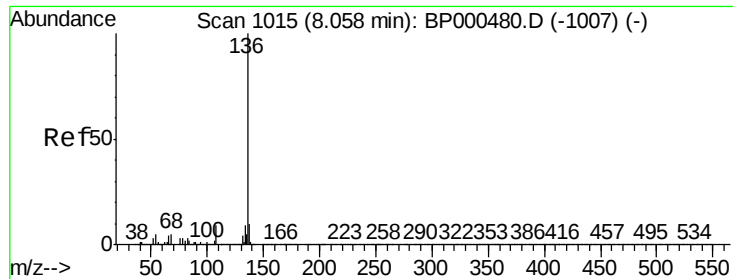
Ion Ratio Lower Upper

94 100

65 24.9 5.9 45.9

66 37.2 18.8 58.8





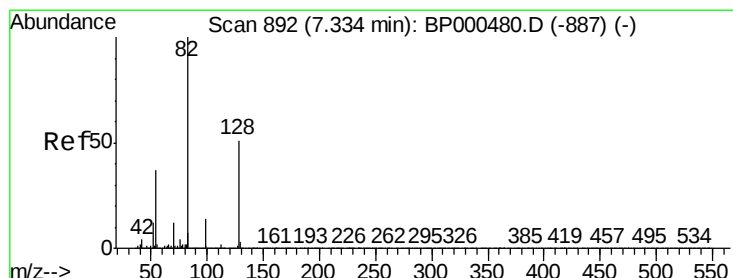
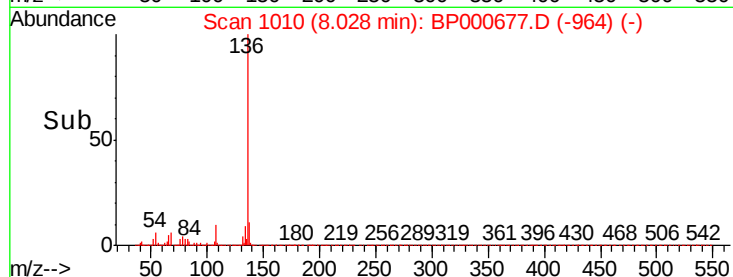
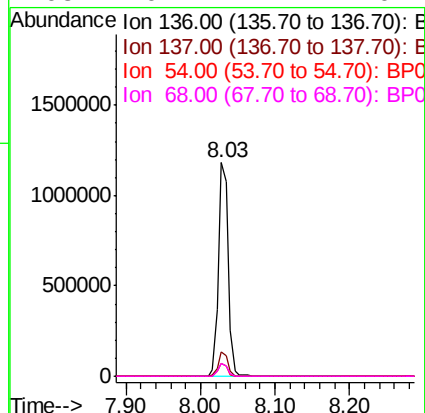
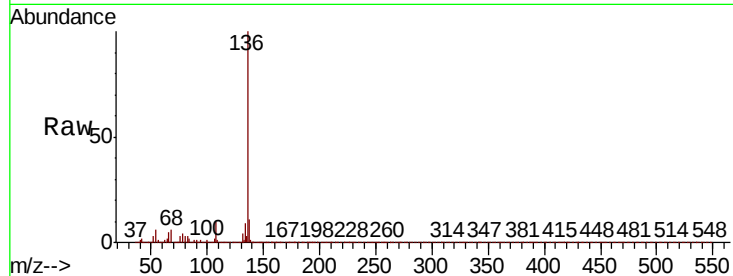
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. -0.03 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.2	12.4
54	6.1	4.1	6.1
68	6.1	4.1	6.1

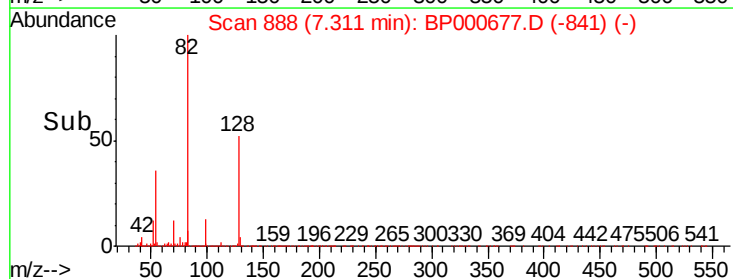
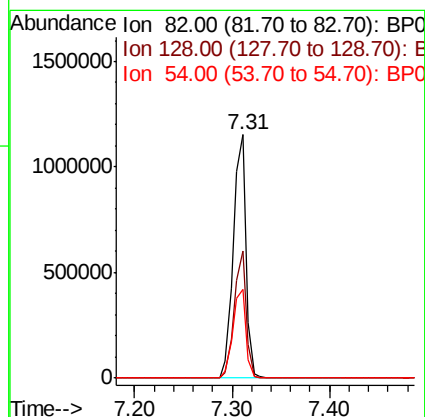
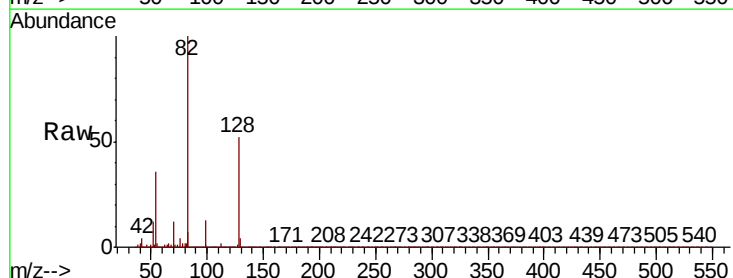
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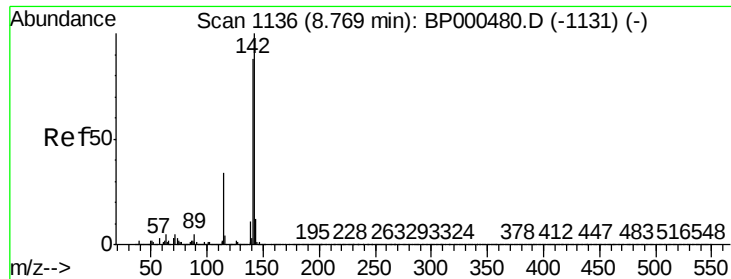
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#23
Nitrobenzene-d5
Concen: 60.302 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
82	100		
128	52.4	40.9	61.3
54	36.5	29.4	44.2





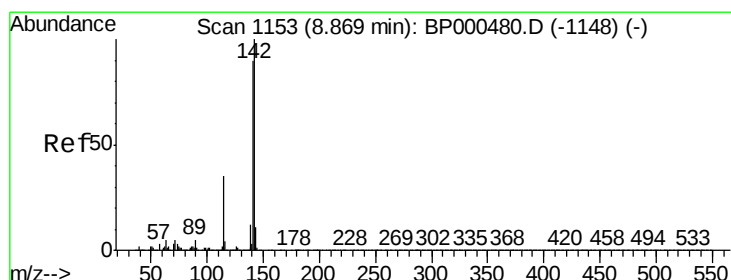
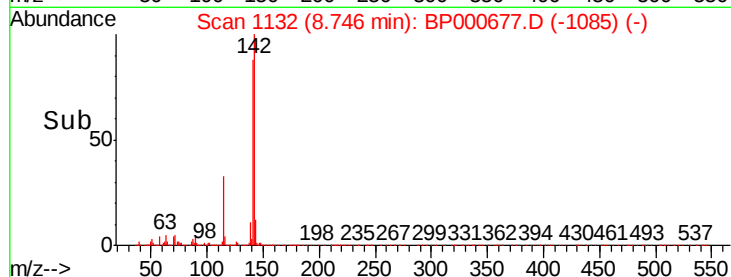
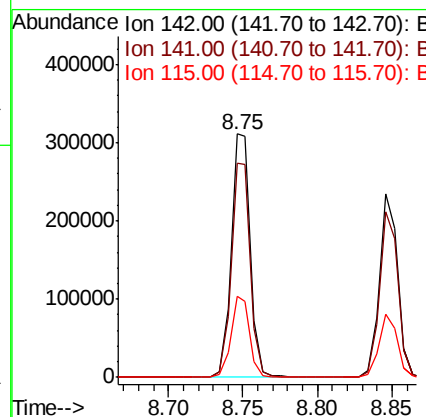
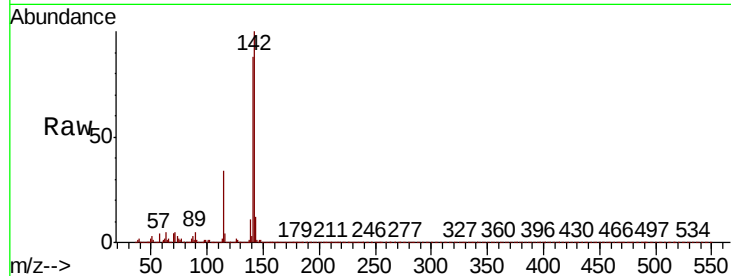
#37
2-Methylnaphthalene
Concen: 8.568 ng
RT: 8.75 min Scan# 1132
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Resp	Lower	Upper
142	100	283003		
141	88.1	70.6	106.0	
115	33.5	27.4	41.0	

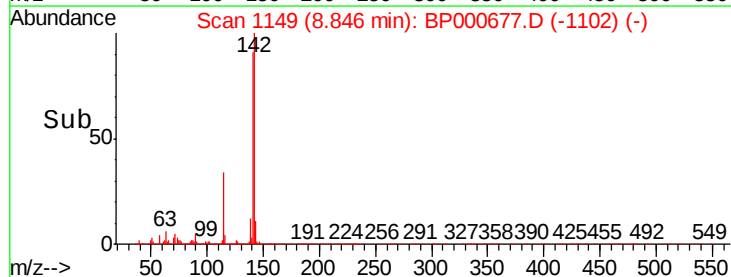
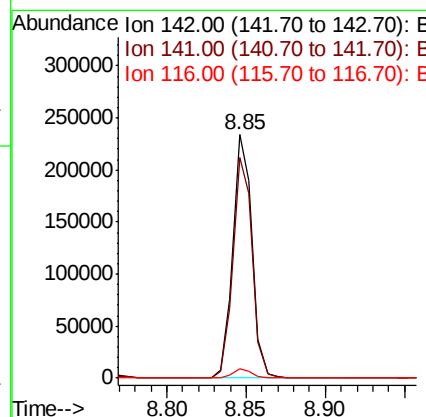
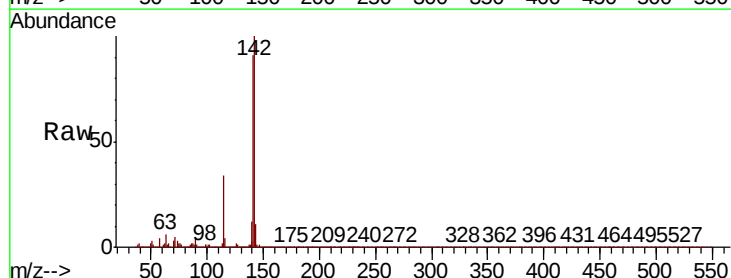
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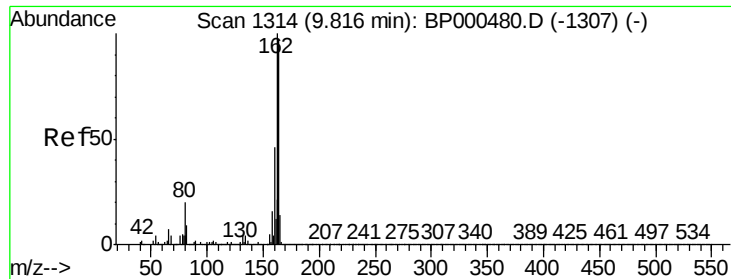
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#38
1-Methylnaphthalene
Concen: 6.256 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	195234		
141	90.6	71.9	107.9	
116	3.8	3.0	4.4	





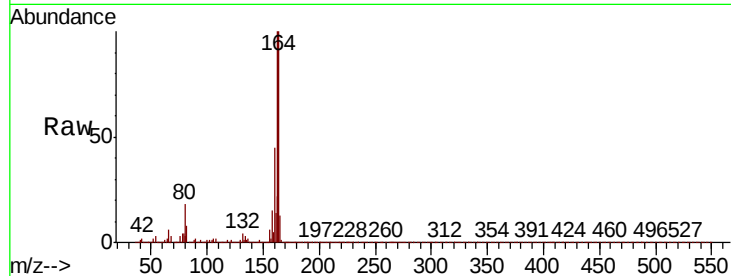
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.2	123.2
160	44.7	37.6	56.4

Manual Integrations
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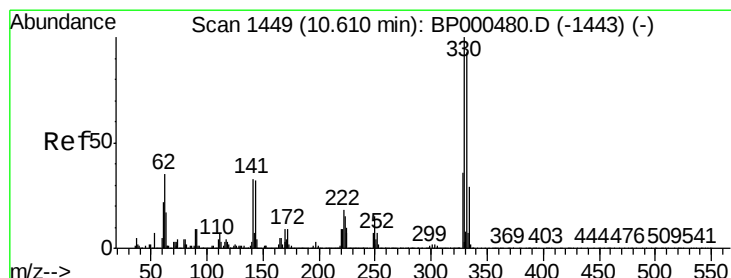
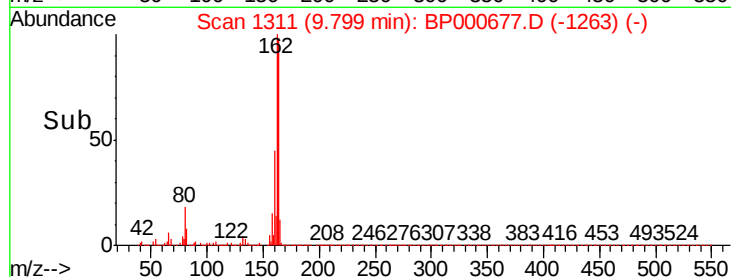
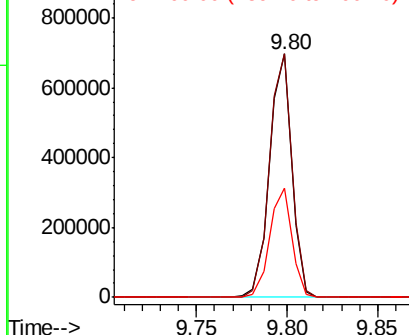


Abundance

Ion 164.00 (163.70 to 164.70): E

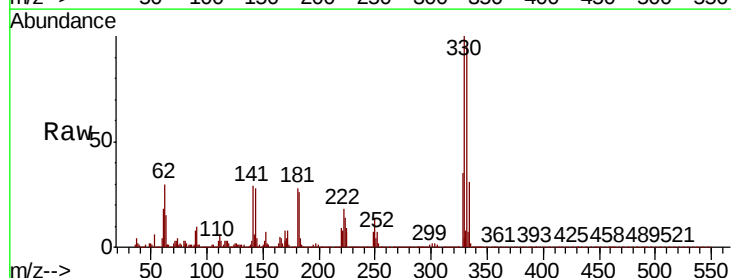
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 83.277 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.1	115.7
141	31.4	26.0	39.0

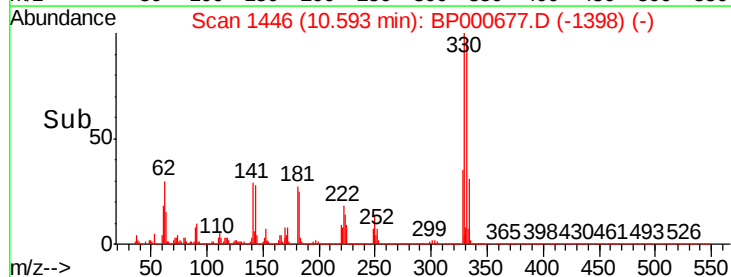
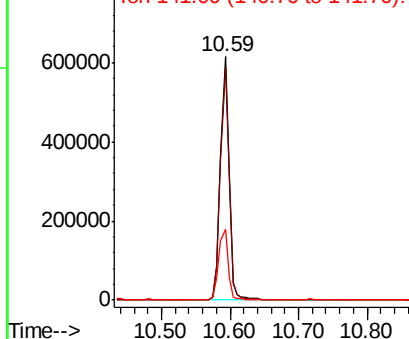


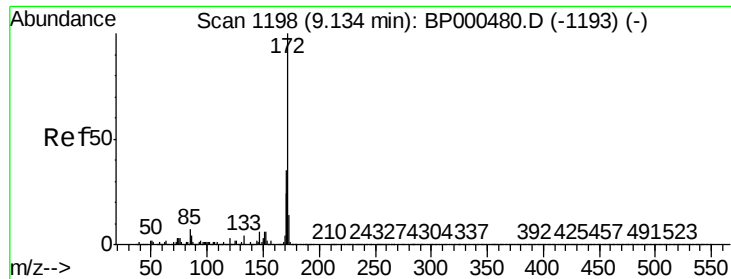
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





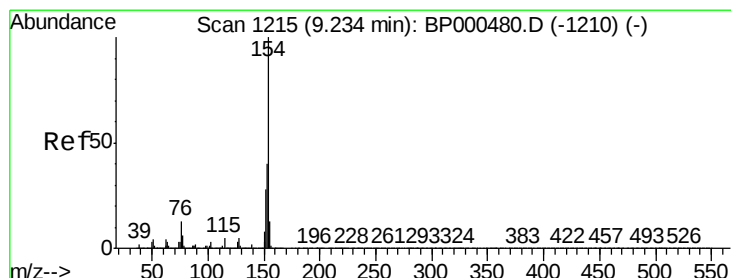
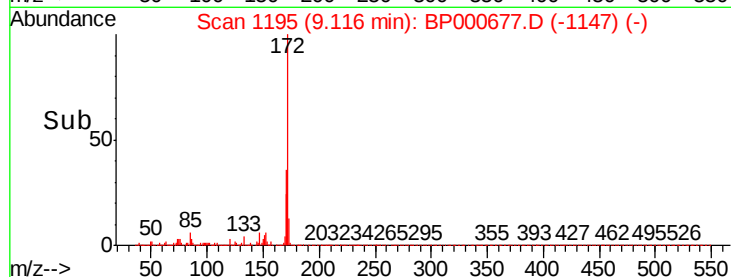
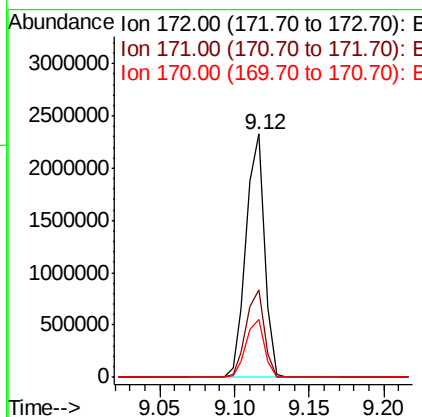
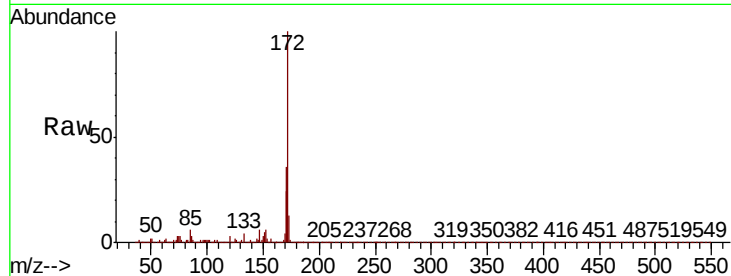
#45
2-Fluorobiphenyl
Concen: 54.382 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.4	42.6
170	24.1	19.1	28.7

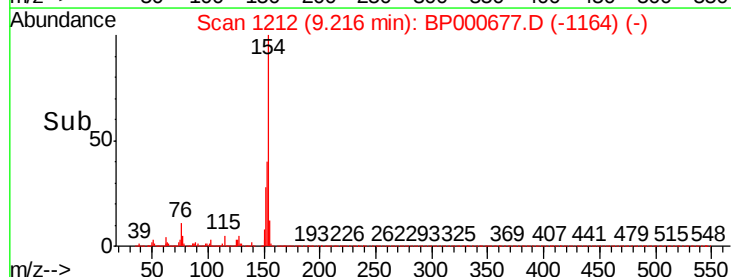
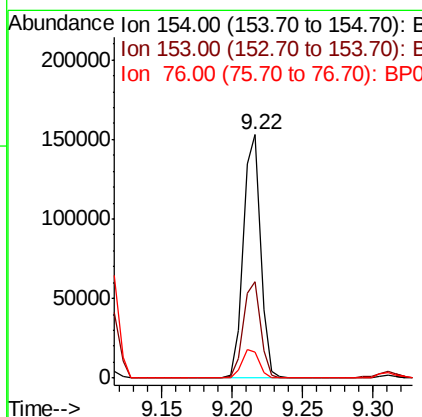
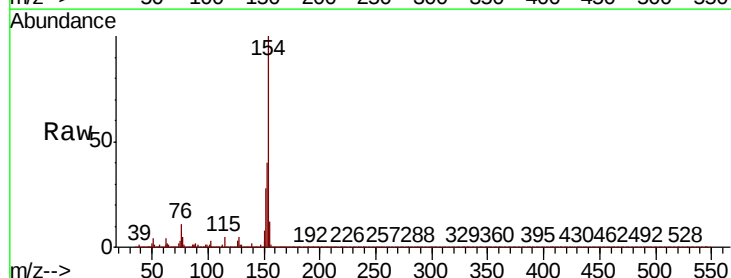
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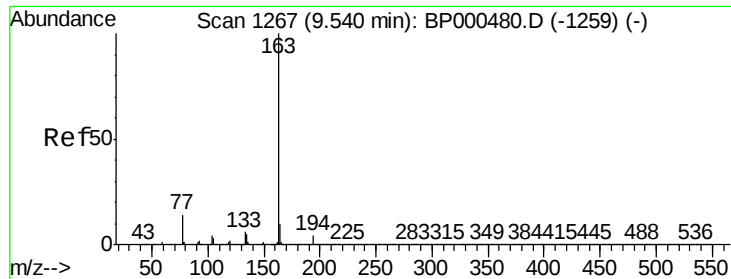
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#46
1,1'-Biphenyl
Concen: 2.904 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.7	19.9	59.9
76	10.9	0.0	32.8





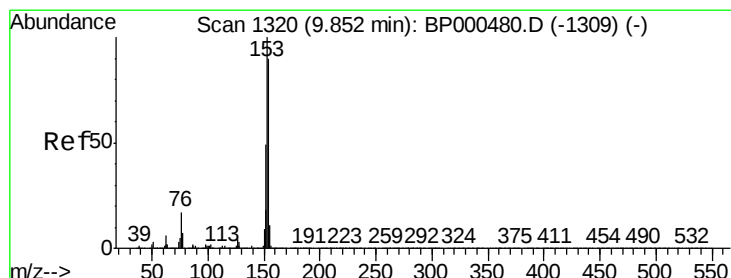
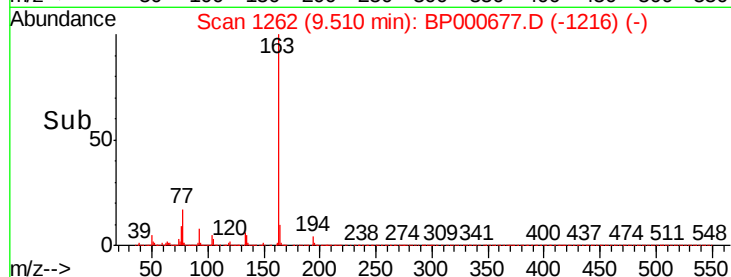
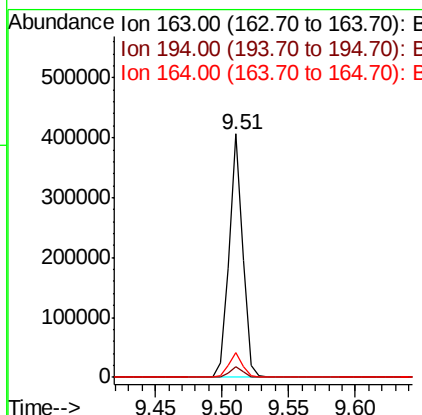
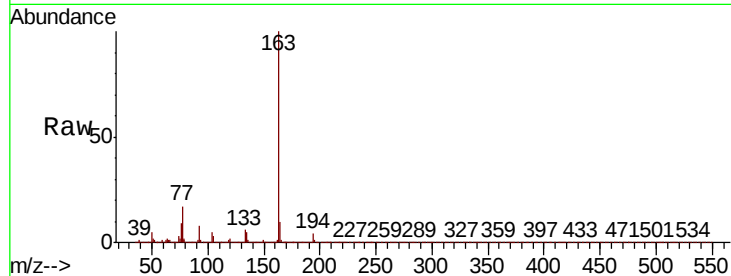
#50
Dimethylphthalate
Concen: 7.127 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	294731		
194	4.2		3.4	5.2
164	10.3		8.0	12.0

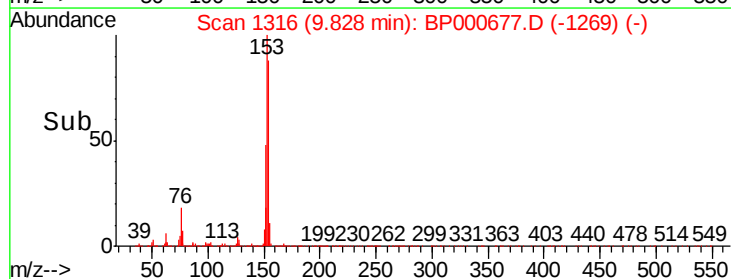
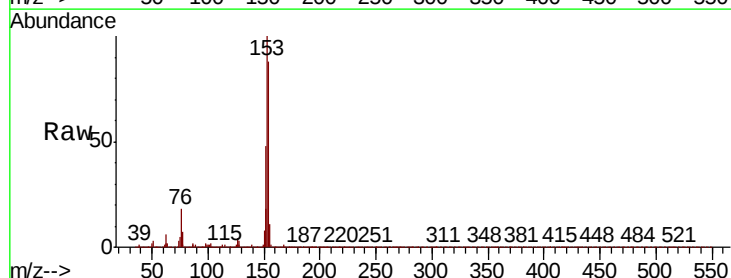
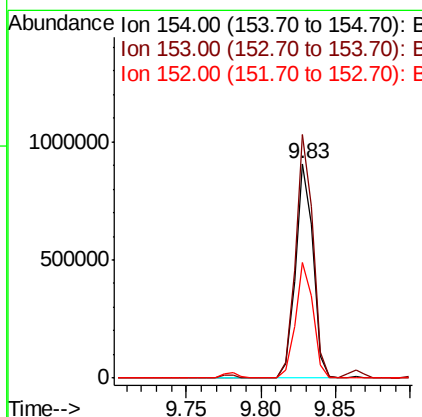
Manual Integrations
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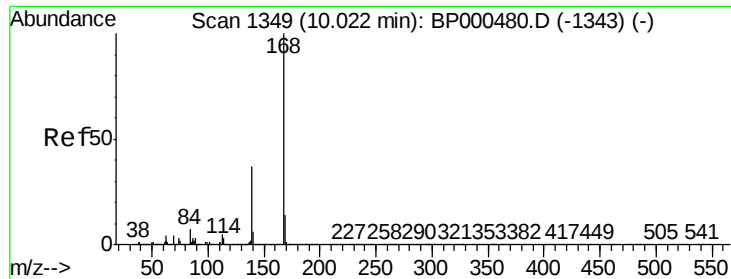
mohammad
10/16/2019 8:07:55 AM



#52
Acenaphthene
Concen: 23.718 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	753998		
153	113.4		89.4	134.0
152	53.9		43.8	65.8





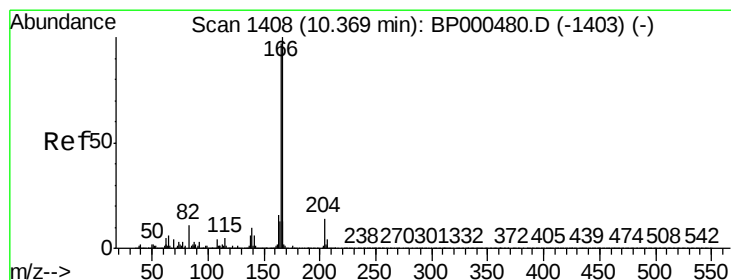
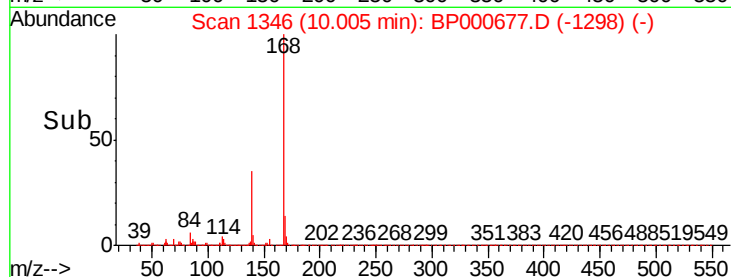
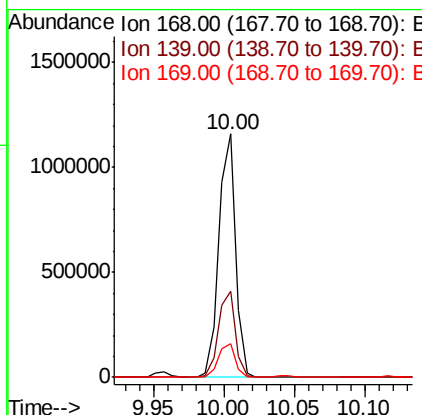
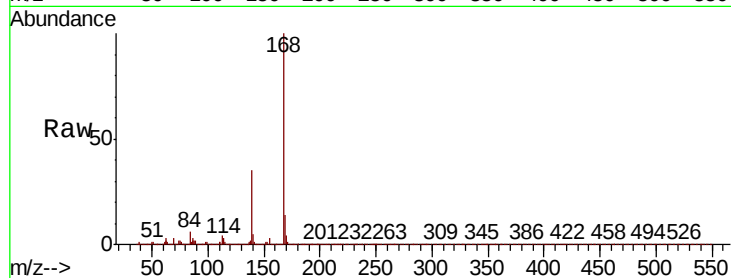
#55
Dibenzofuran
Concen: 20.060 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.4	29.5	44.3
169	13.9	11.1	16.7

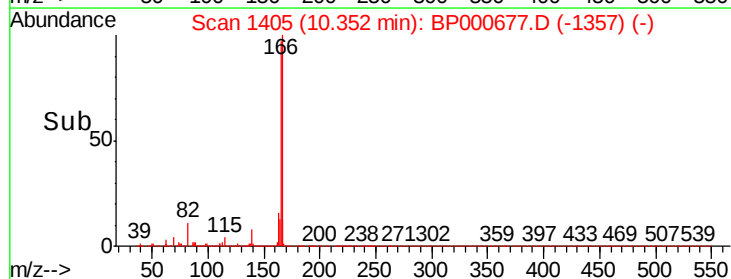
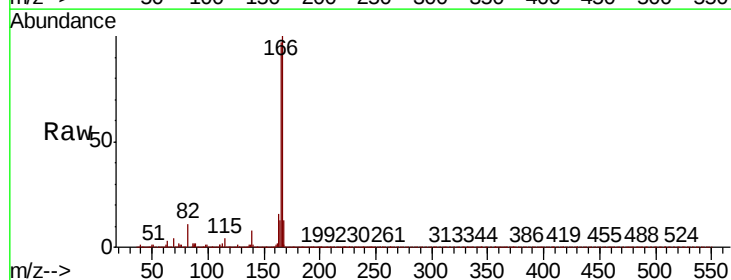
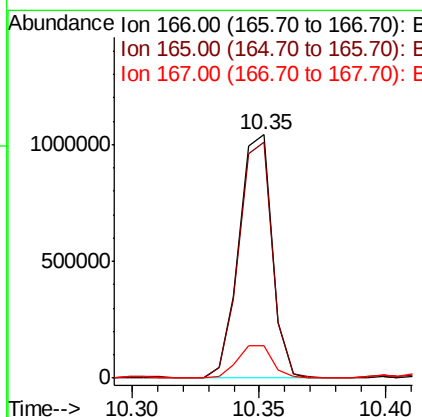
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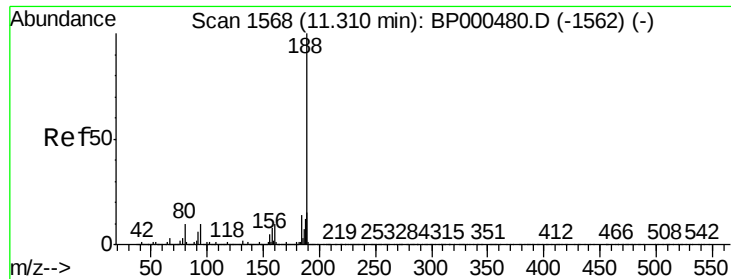
mohammad
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#58
Fluorene
Concen: 27.954 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.9	77.3	115.9
167	13.2	10.6	16.0





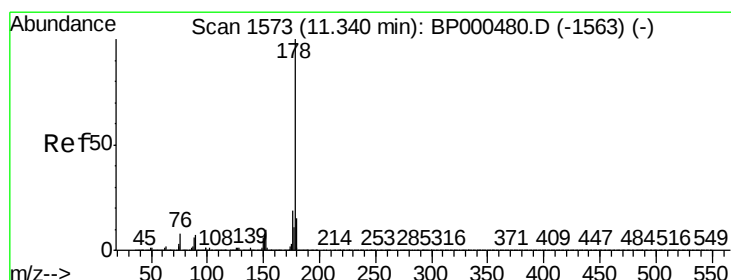
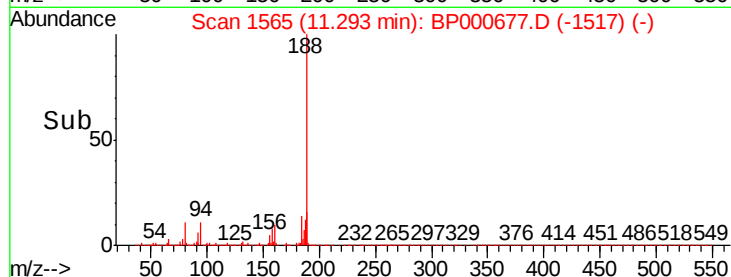
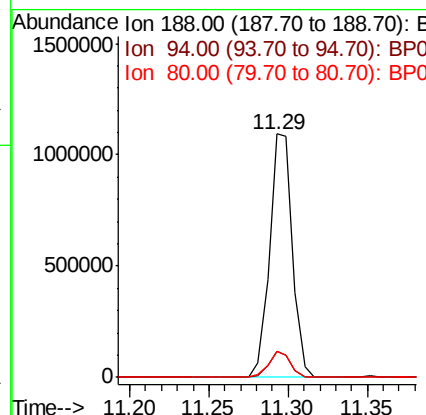
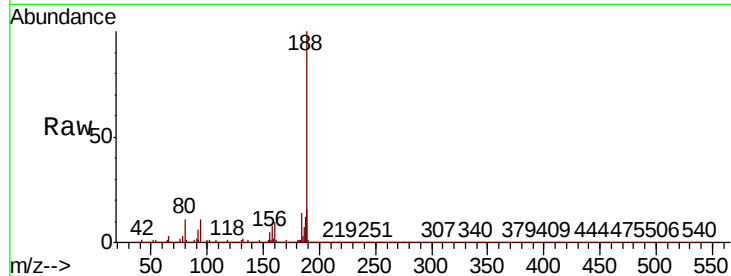
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.2	12.2
80	10.8	8.3	12.5

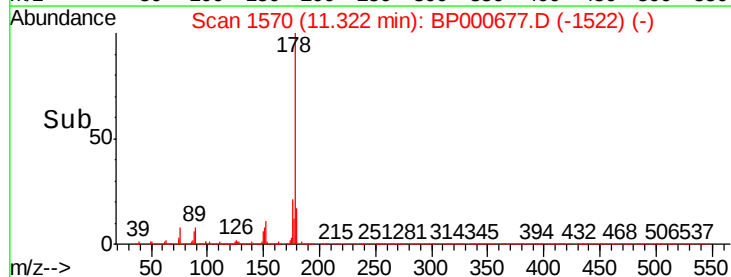
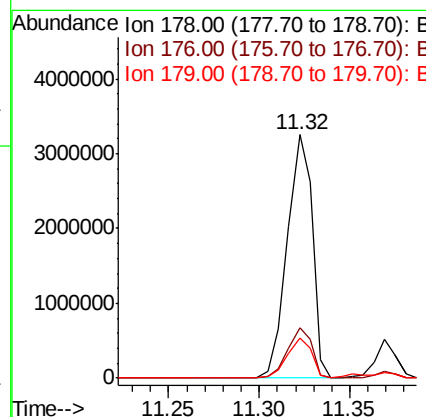
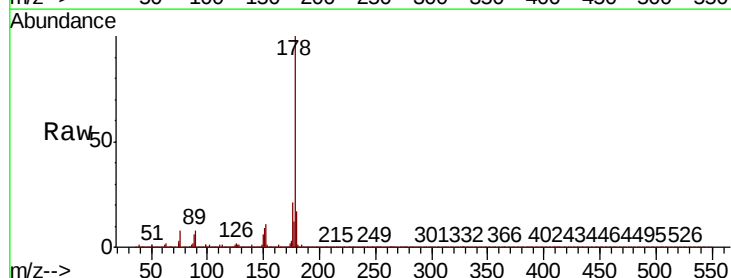
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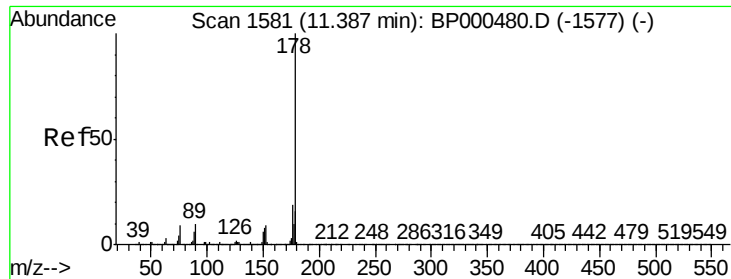
mohammad
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#71
Phenanthrene
Concen: 56.969 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.4	23.2
179	16.6	12.2	18.4





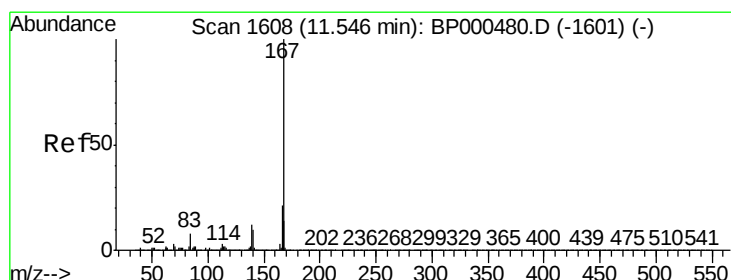
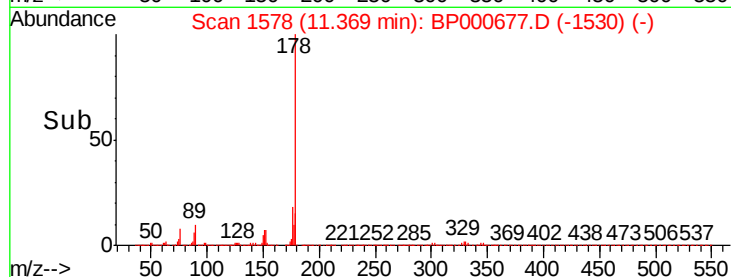
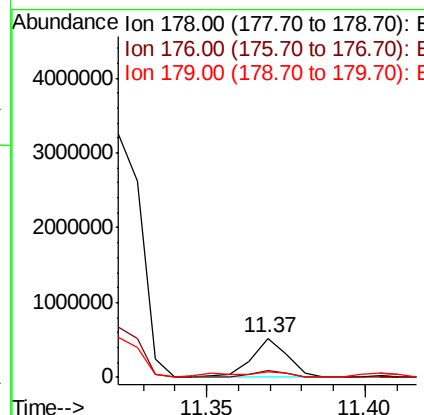
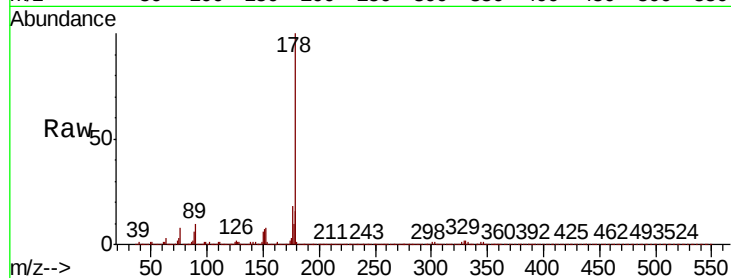
#72
 Anthracene
 Concen: 7.331 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.02 min
 Lab File: BP000677.D
 Acq: 12 Oct 2019 19:10

Instrument :
 BNA_P
 ClientSampleId :
 SOIL-PILE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	15.6	12.6	19.0

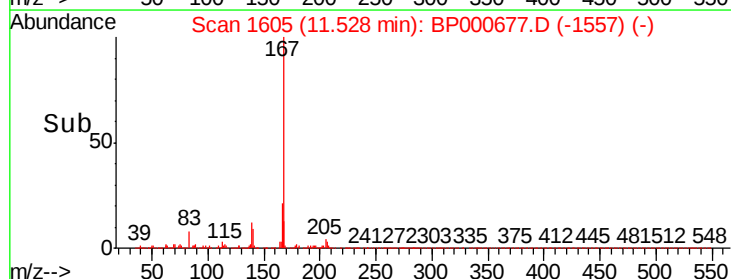
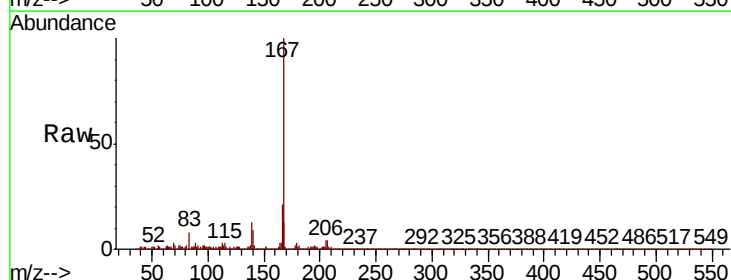
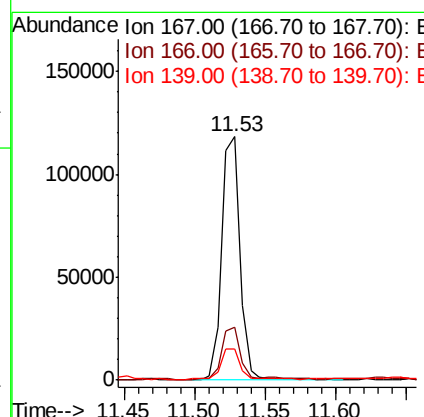
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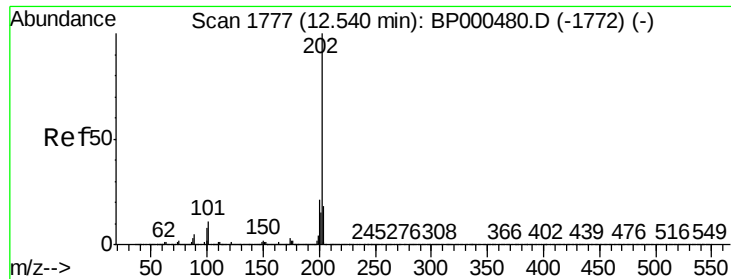
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#73
 Carbazole
 Concen: 2.098 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.02 min
 Lab File: BP000677.D
 Acq: 12 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.9	25.3
139	12.6	9.7	14.5





#75

Fluoranthene

Concen: 41.234 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BP000677.D

Acq: 12 Oct 2019 19:10

Instrument :

BNA_P

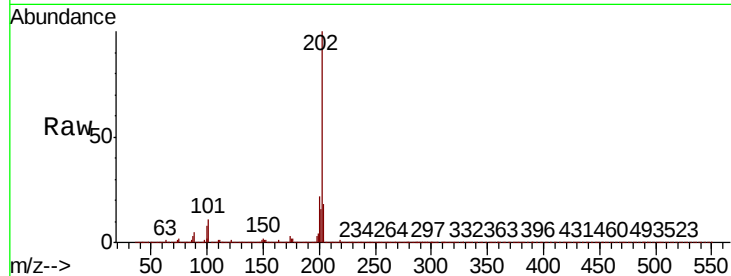
ClientSampleId :

SOIL-PILE

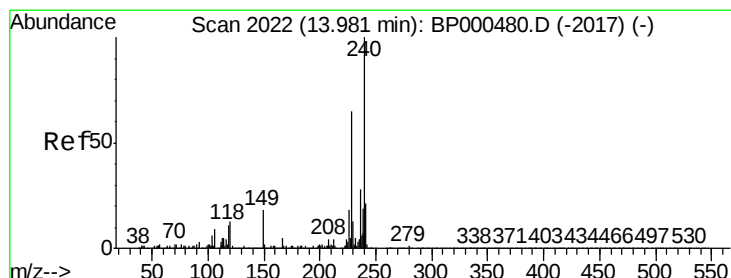
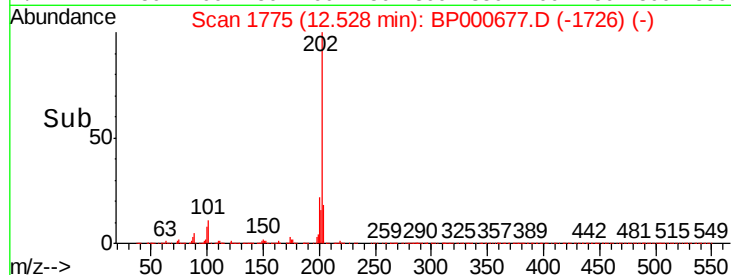
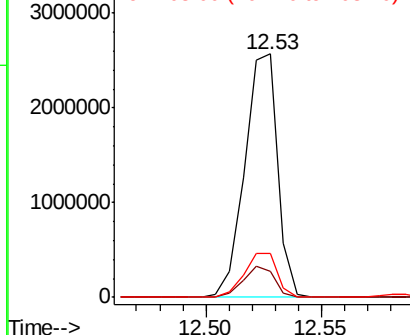
Tot Ion:	202	Resp:	2562182
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	31.3
203	18.0	0.0	38.1

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

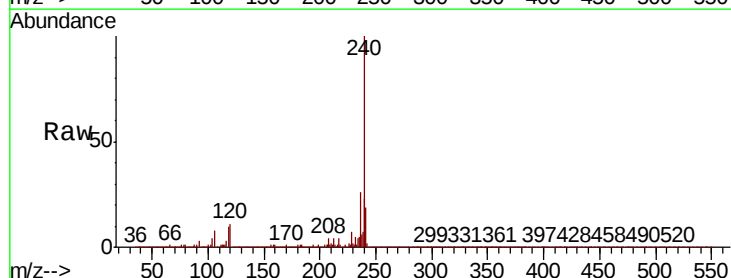
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

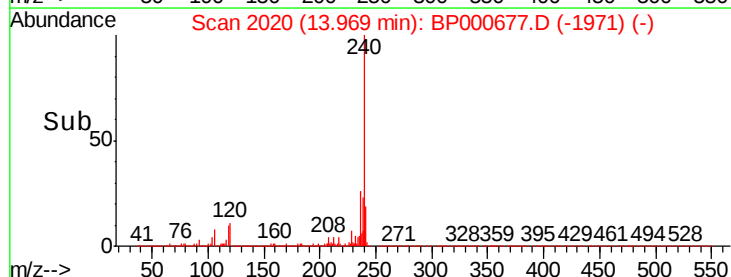
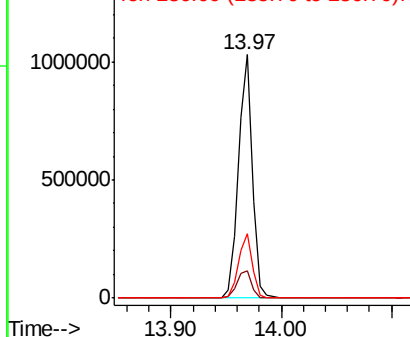
Lab File: BP000677.D

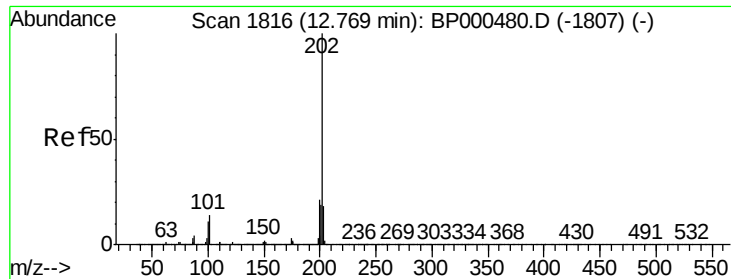
Acq: 12 Oct 2019 19:10

Tgt Ion:	240	Resp:	911112
Ion Ratio	Lower	Upper	
240	100		
120	11.2	10.1	15.1
236	26.5	22.7	34.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





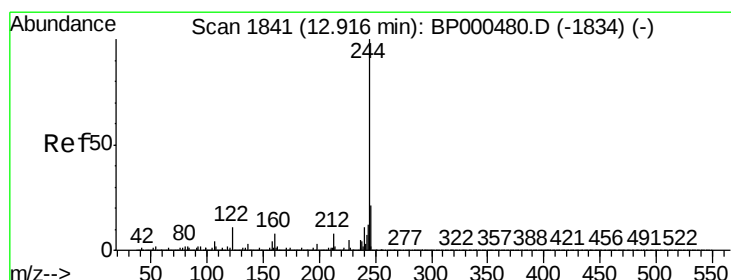
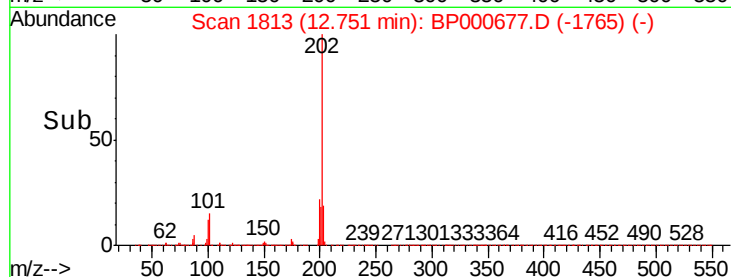
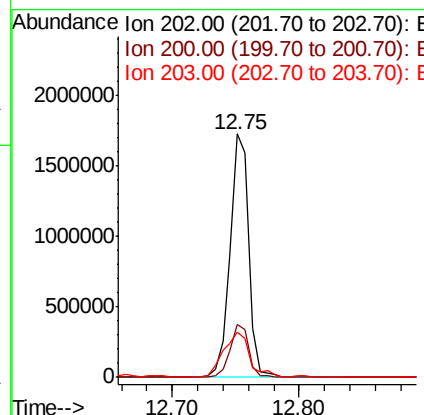
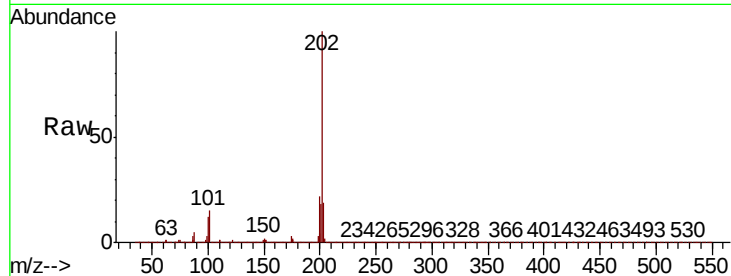
#78
Pvrene
Concen: 27.761 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.1	25.7
203	18.8	14.6	21.8

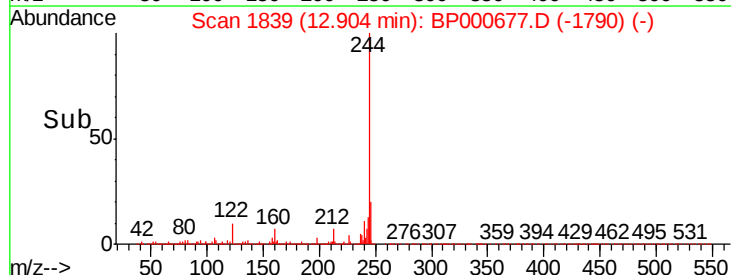
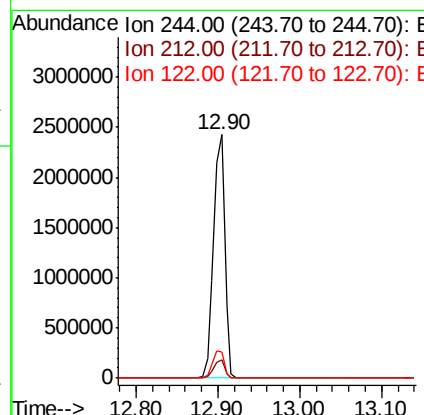
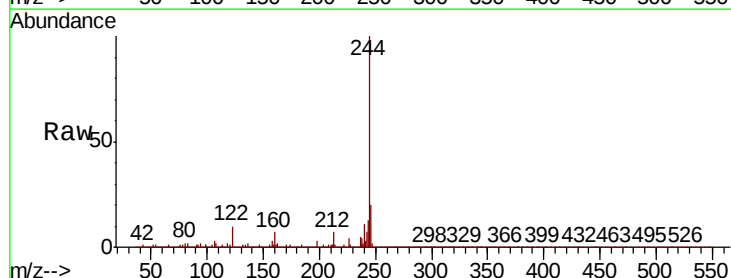
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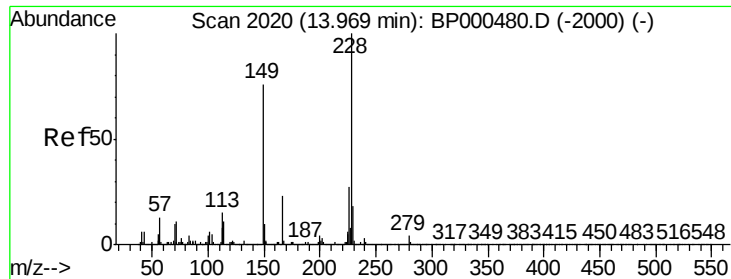
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#79
Terphenyl-d14
Concen: 51.429 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	10.5	8.9	13.3





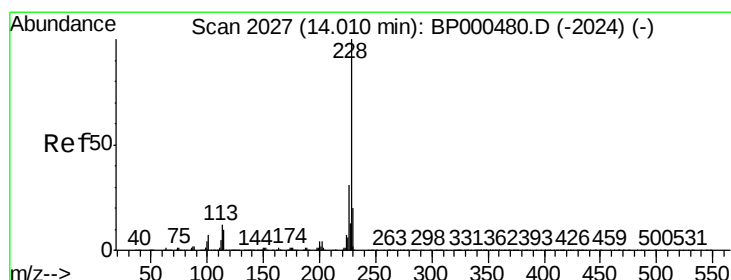
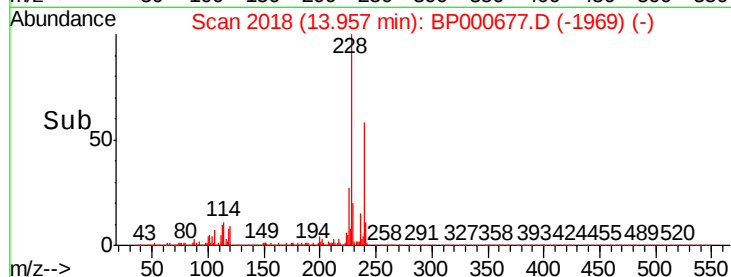
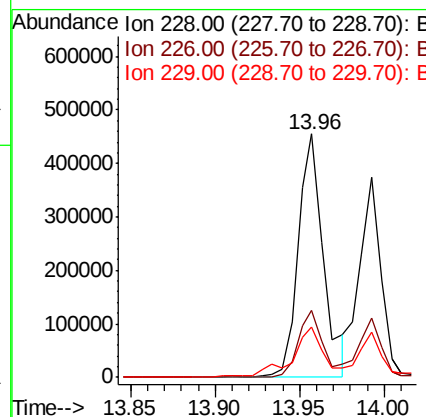
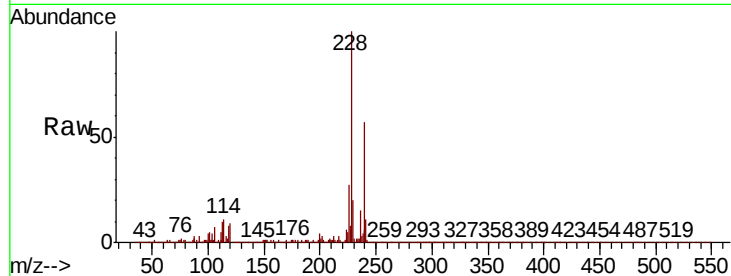
#81
Benzo(a)anthracene
Concen: 8.507 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Instrument :
BNA_P
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.4	32.2
229	20.4	14.7	22.1

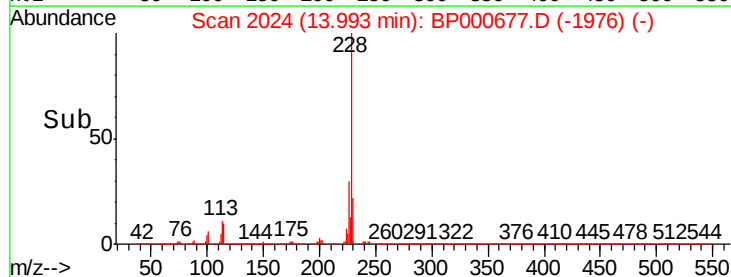
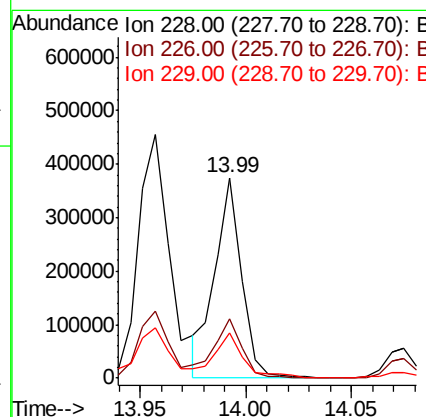
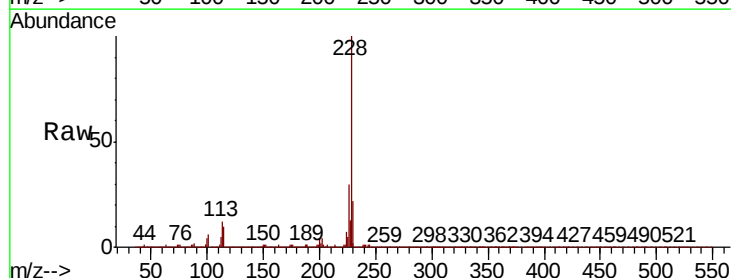
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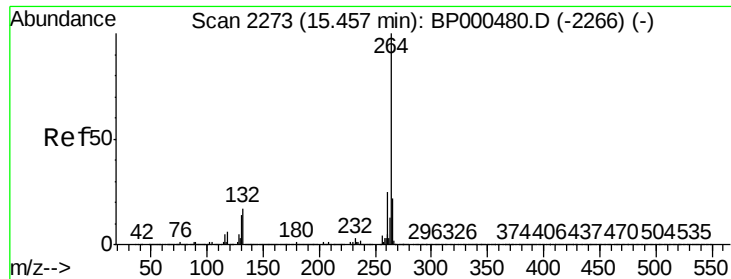
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#83
Chrysene
Concen: 6.052 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BP000677.D
Acq: 12 Oct 2019 19:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.7	37.1
229	22.2	16.3	24.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BP000677.D

Acq: 12 Oct 2019 19:10

Instrument :

BNA_P

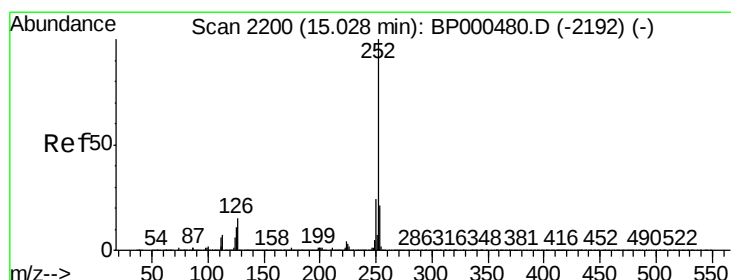
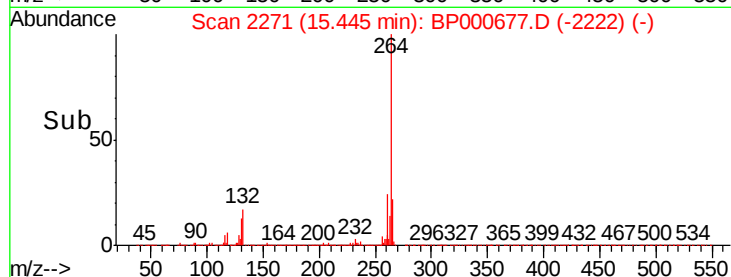
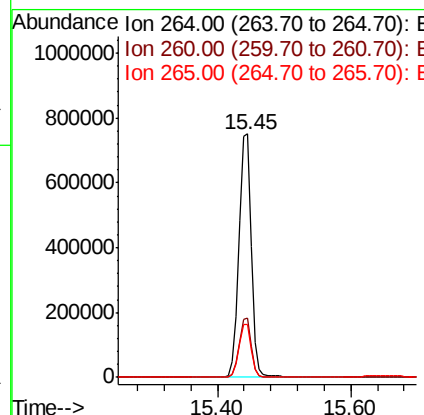
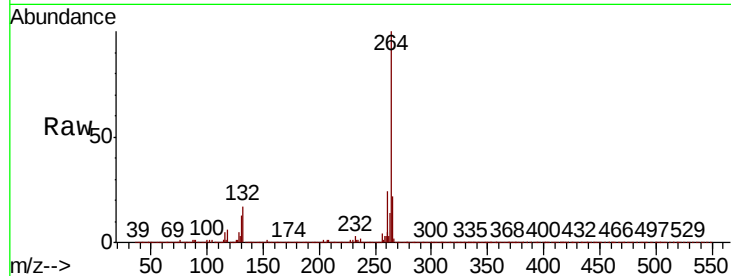
ClientSampleId :

SOIL-PILE

Tot Ion:	264	Resp:	989422
Ion Ratio	Lower	Upper	
264	100		
260	24.2	20.3	30.5
265	21.7	18.0	27.0

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#88

Benzo(b)fluoranthene

Concen: 3.950 ng m

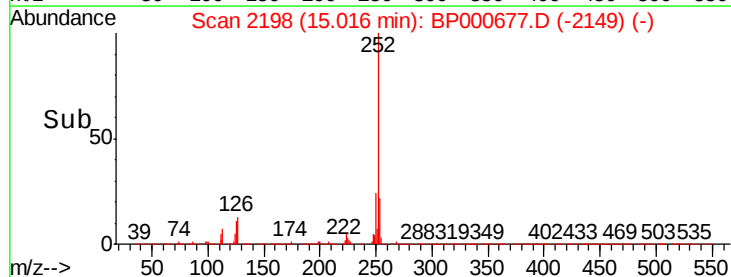
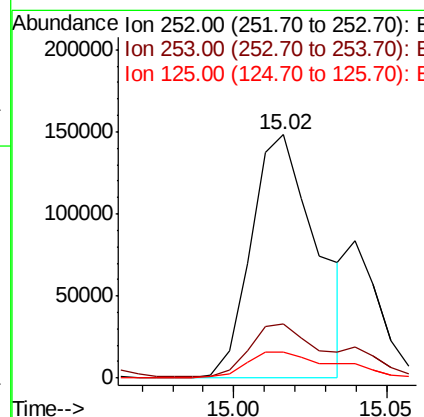
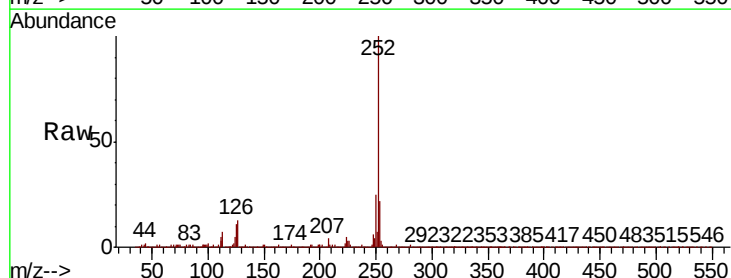
RT: 15.02 min Scan# 2198

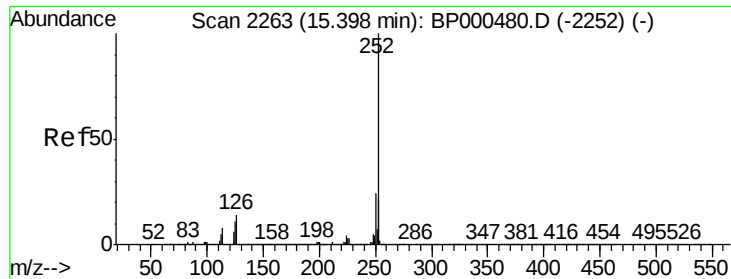
Delta R.T. -0.01 min

Lab File: BP000677.D

Acq: 12 Oct 2019 19:10

Tgt Ion:	252	Resp:	221711
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.4
125	10.8	8.9	13.3





#90

Benzo(a)pyrene

Concen: 2.011 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.02 min

Lab File: BP000677.D

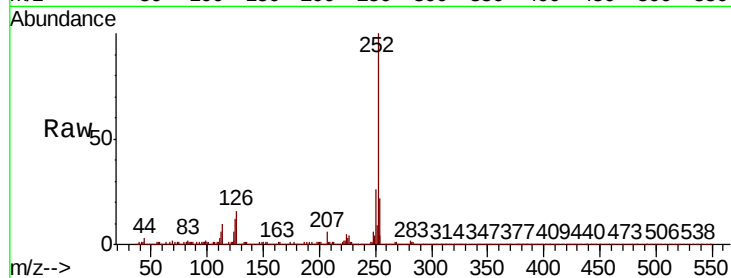
Acq: 12 Oct 2019 19:10

Instrument :

BNA_P

ClientSampleId :

SOIL-PILE



Tot Ion:	252	Resp:	105243
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.0	25.6
125	12.1	8.4	12.6

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