

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
 Data File : BP000300.D
 Acq On : 18 Sep 2019 16:25
 Operator : HP/JU
 Sample : K4938-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MG-TRENCH-1-SOIL

Manual Integrations
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Jagrut
 9/19/2019 11:07:05 AM

Quant Time: Sep 19 04:11:00 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	250410	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	931526	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	523130	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	988025	20.00	ng	0.00
76) Chrysene-d12	13.99	240	779907	20.00	ng	0.00
87) Perylene-d12	15.47	264	877366	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1348459	92.96	ng	0.00
7) Phenol-d6	6.43	99	1735793	97.62	ng	0.00
23) Nitrobenzene-d5	7.35	82	981265	67.96	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	611910	117.93	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2264376	77.90	ng	0.00
79) Terphenyl-d14	12.93	244	2677279	72.02	ng	0.00
Target Compounds						
10) Phenol	6.43	94	47382	2.346	ng	89
50) Dimethylphthalate	9.54	163	263655	7.397	ng	100
52) Acenaphthene	9.86	154	88560	3.075	ng	100
58) Fluorene	10.38	166	112073	3.564	ng	99
71) Phenanthrene	11.35	178	2140720	43.236	ng	100
72) Anthracene	11.40	178	525701	10.315	ng	98
73) Carbazole	11.56	167	314747	6.858	ng	98
75) Fluoranthene	12.56	202	3135106	58.968	ng	96
78) Pyrene	12.79	202	2695767	46.200	ng	100
81) Benzo(a)anthracene	13.98	228	1527518	31.006	ng	99
83) Chrysene	14.02	228	1293765	26.747	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	716865m	12.158	ng	
88) Benzo(b)fluoranthene	15.05	252	1639597m	31.326	ng	
89) Benzo(k)fluoranthene	15.07	252	487228m	10.672	ng	
90) Benzo(a)pyrene	15.41	252	1095048	22.993	ng	97
91) Dibenzo(a,h)anthracene	16.96	278	206275	4.646	ng	95
92) Benzo(a,h,i)perylene	17.40	276	689495	15.107	ng	96

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

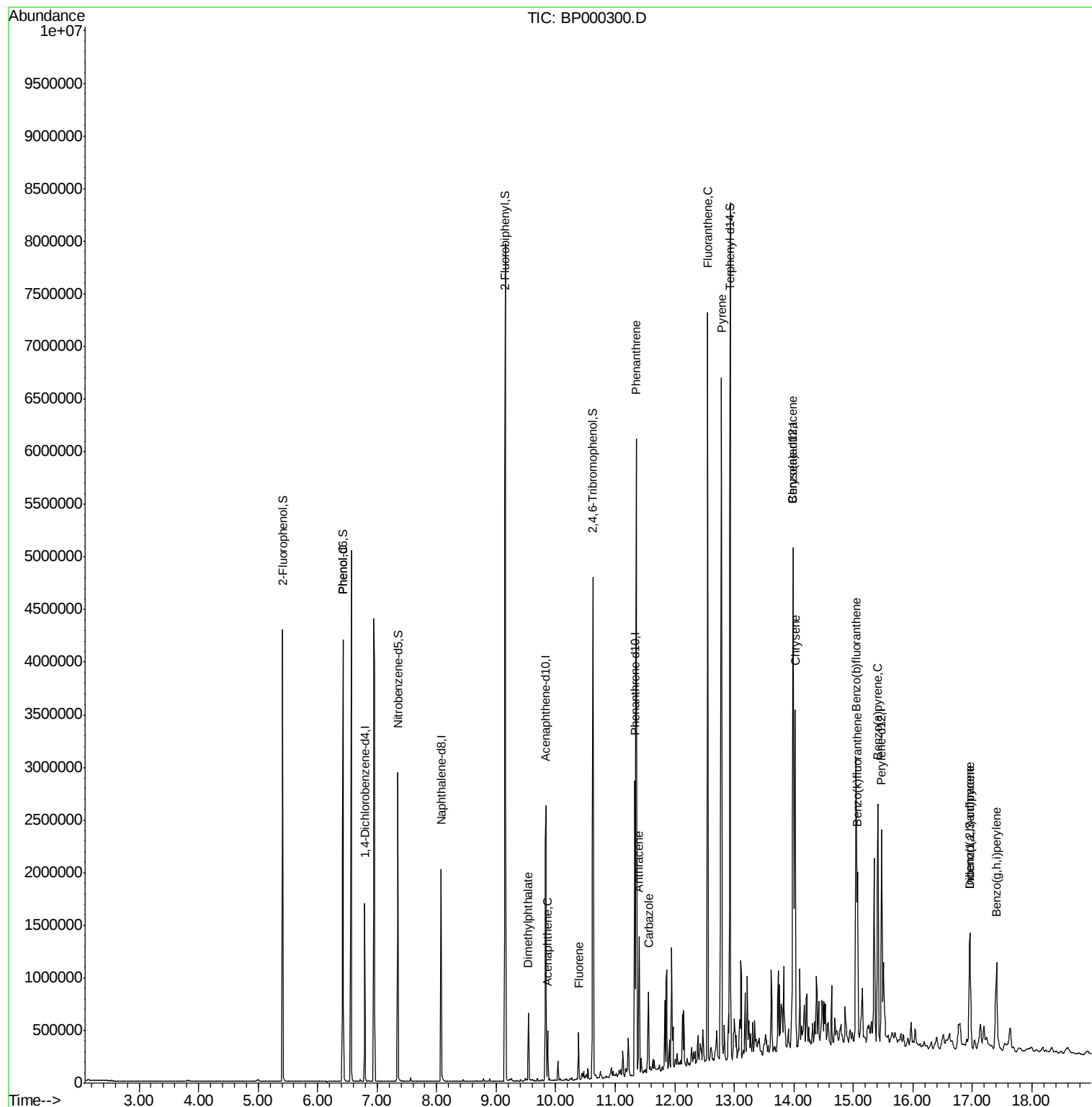
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000300.D
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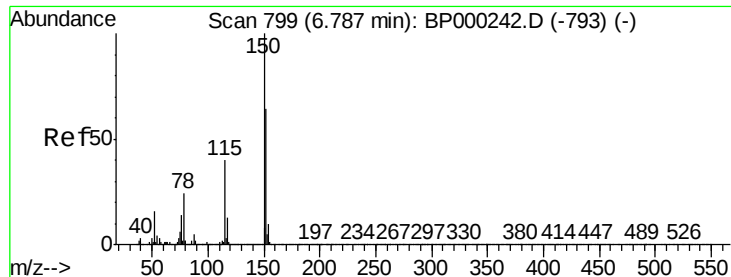
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MG-TRENCH-1-SOIL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

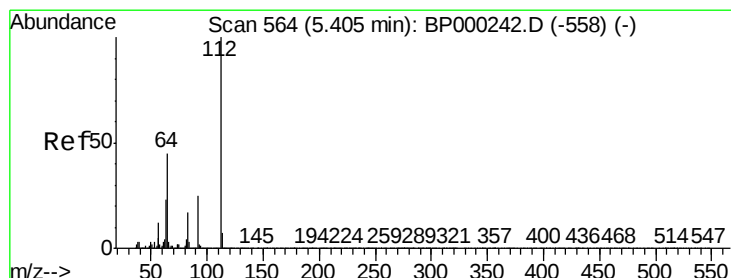
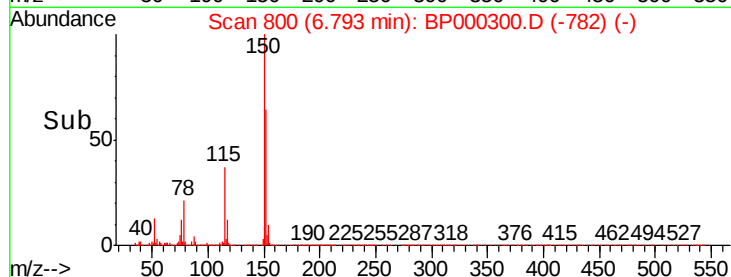
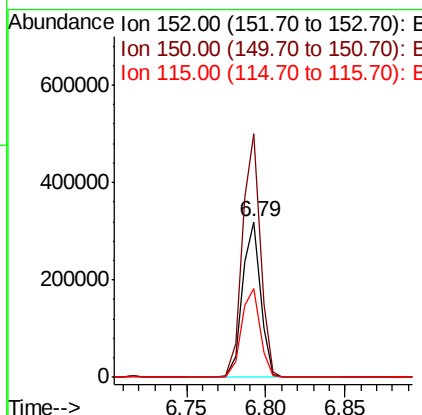
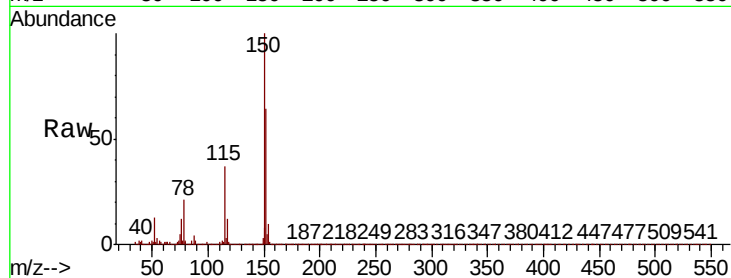
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Instrument :
BNA_P
ClientSampleId :
MG-TRENCH-1-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	125.2	187.8
115	57.2	49.7	74.5

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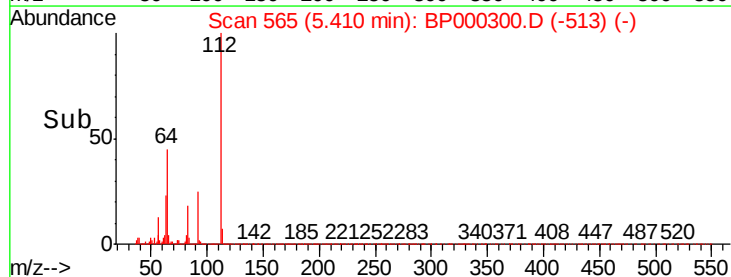
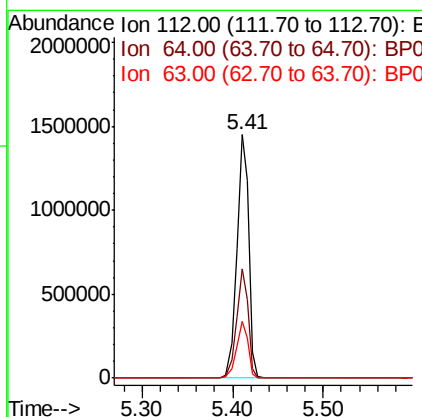
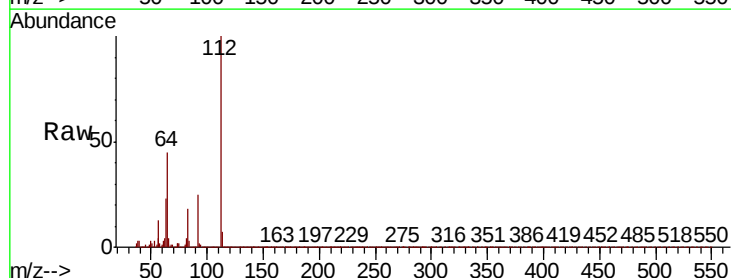
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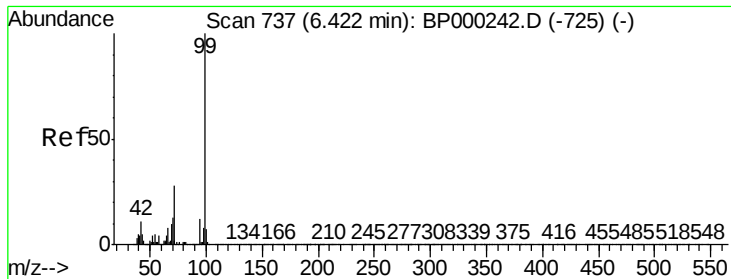


#5

2-Fluorophenol
Concen: 92.964 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.8	36.2	54.4
63	23.4	18.3	27.5





#7

Phenol-d6

Concen: 97.625 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000300.D

Acq: 18 Sep 2019 16:25

Instrument :

BNA_P

ClientSampleId :

MG-TRENCH-1-SOIL

Tot Ion: 99 Resp: 1735793

Ion Ratio Lower Upper

99 100

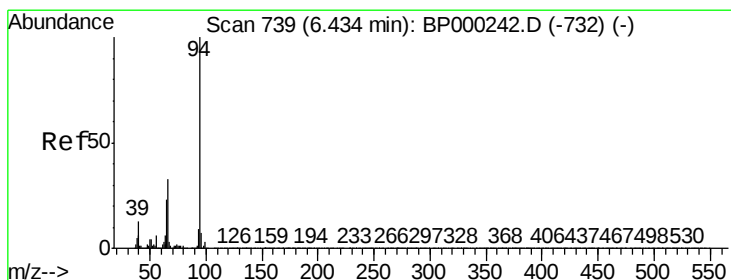
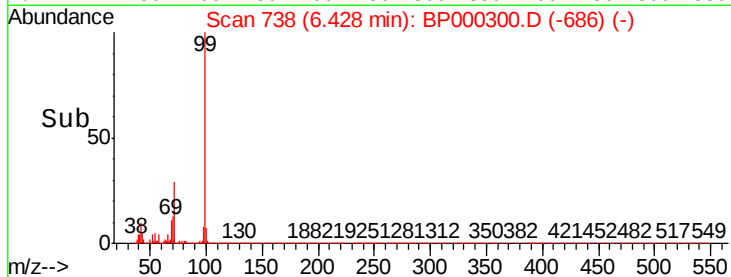
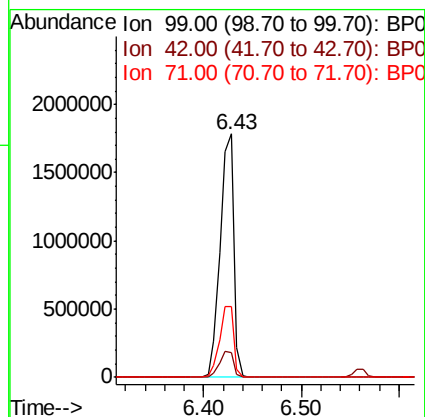
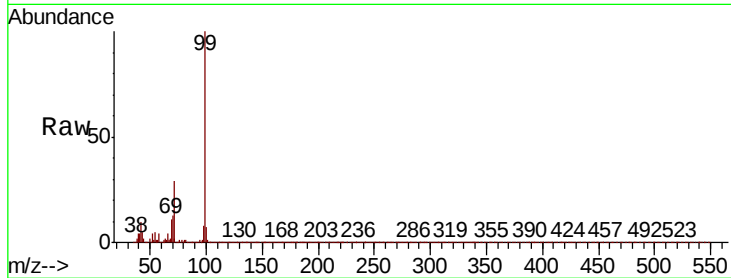
42 10.3 8.5 12.7

71 29.2 22.6 34.0

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#10

Phenol

Concen: 2.346 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BP000300.D

Acq: 18 Sep 2019 16:25

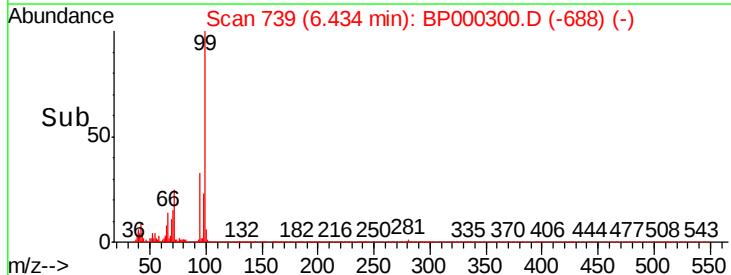
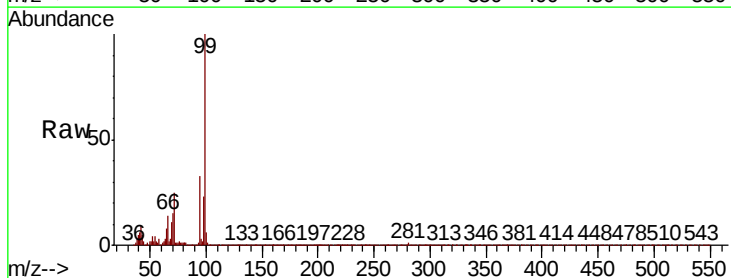
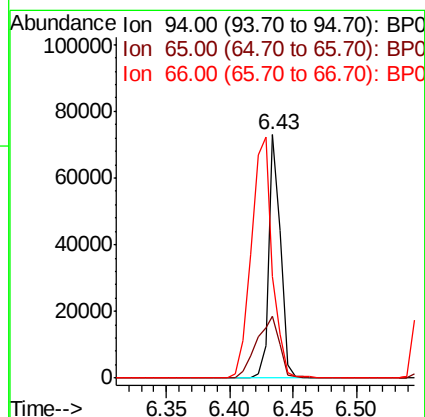
Tgt Ion: 94 Resp: 47382

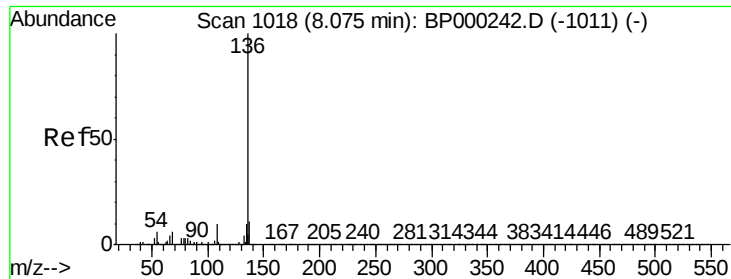
Ion Ratio Lower Upper

94 100

65 25.5 3.3 43.3

66 41.7 12.7 52.7





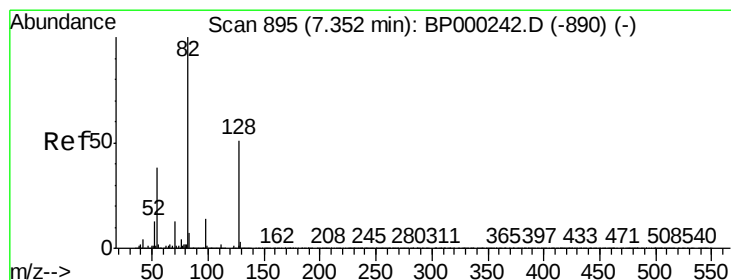
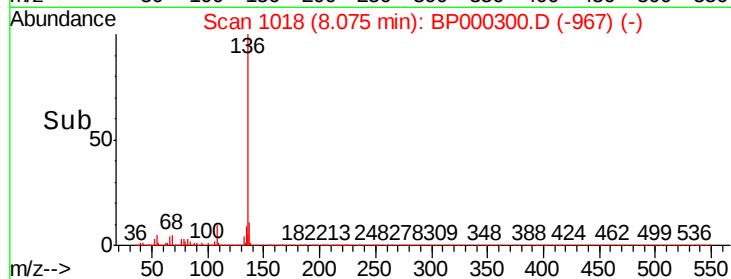
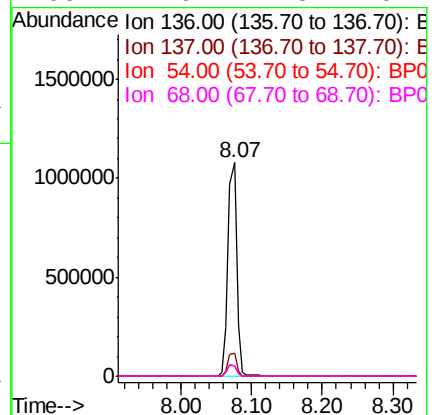
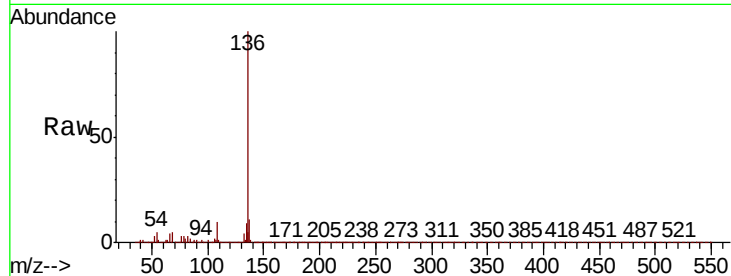
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Instrument :
BNA_P
ClientSampleId :
MG-TRENCH-1-SOIL

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	8.6	13.0
54	4.9	4.5	6.7
68	4.9	4.5	6.7

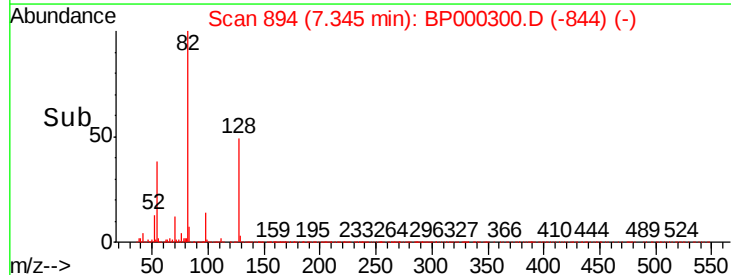
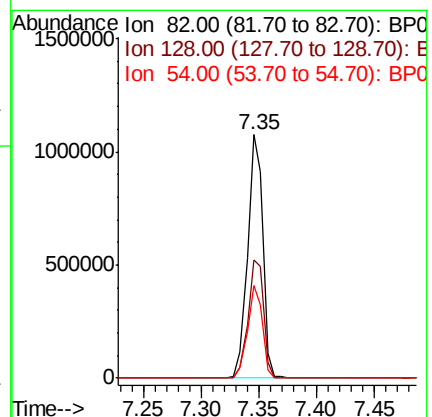
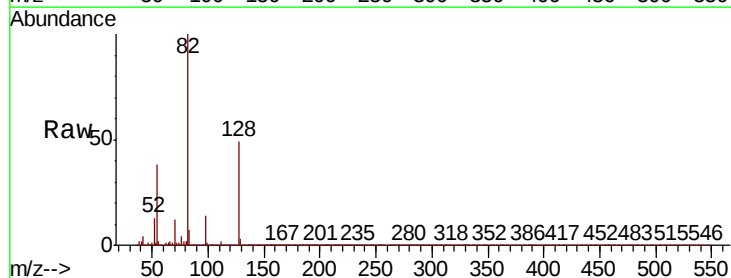
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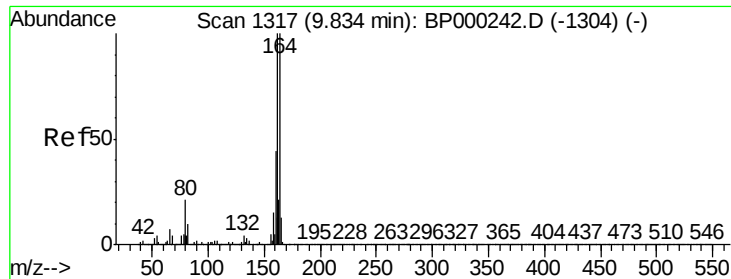
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#23
Nitrobenzene-d5
Concen: 67.965 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	48.7	40.7	61.1
54	37.9	30.1	45.1





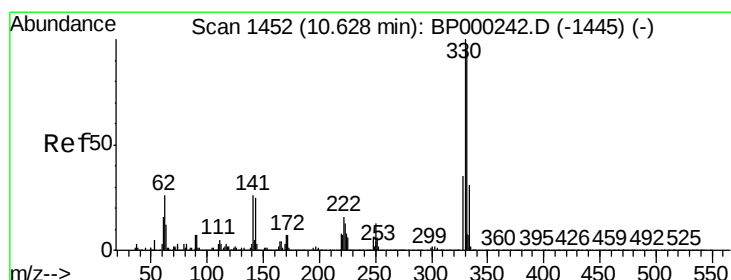
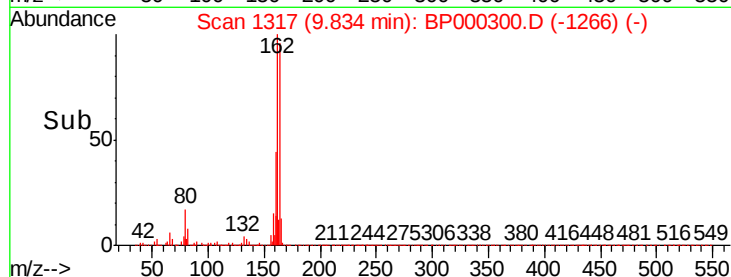
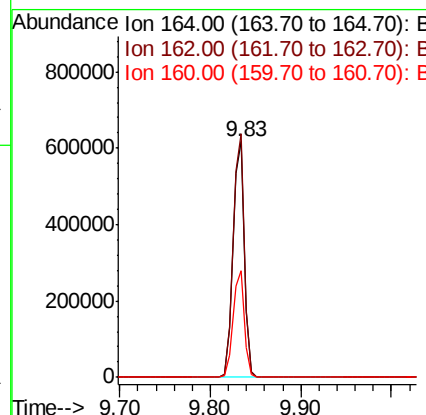
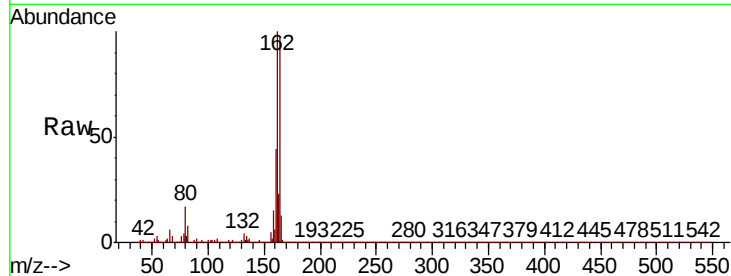
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Instrument :
BNA_P
ClientSampleId :
MG-TRENCH-1-SOIL

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	79.9	119.9
160	45.4	35.6	53.4

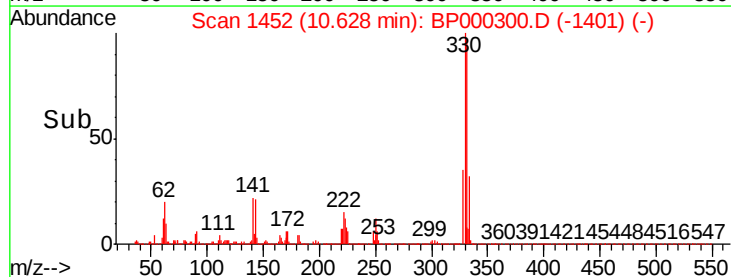
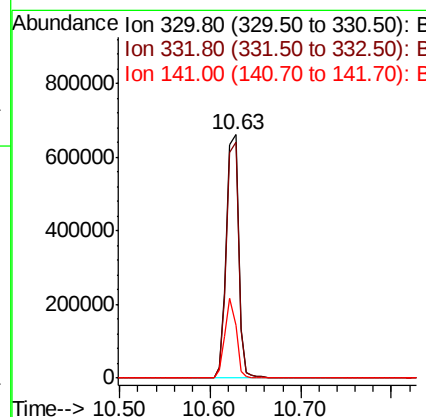
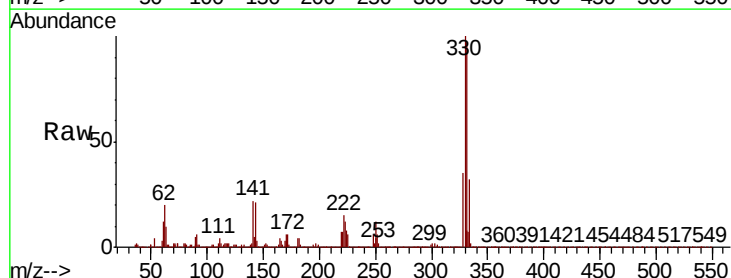
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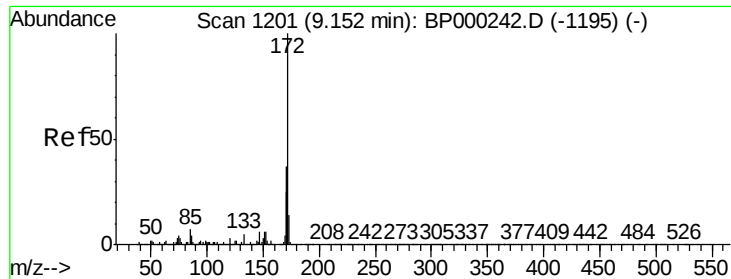
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#42
2,4,6-Tribromophenol
Concen: 117.930 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	115.0
141	30.2	26.5	39.7





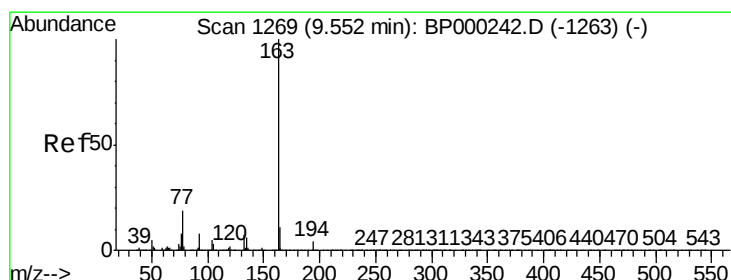
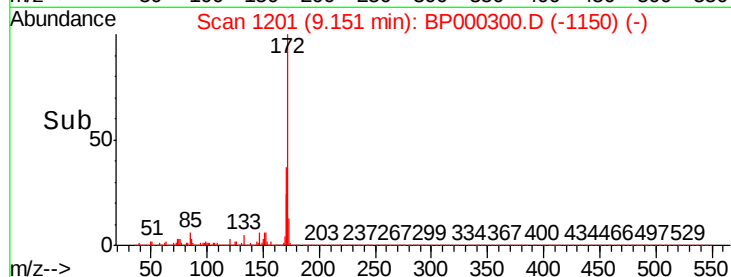
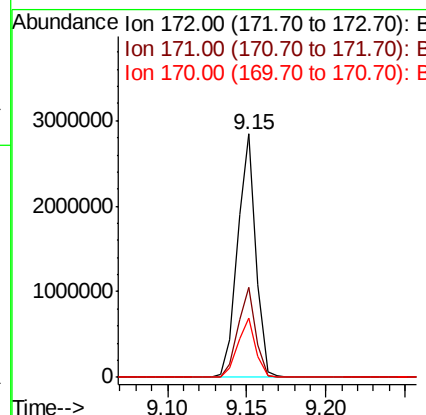
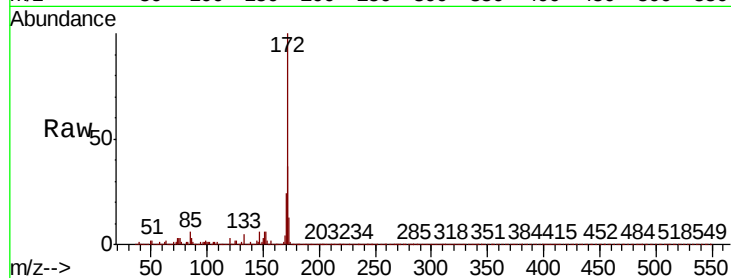
#45
2-Fluorobiphenyl
Concen: 77.905 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Instrument :
BNA_P
ClientSampleId :
MG-TRENCH-1-SOIL

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.6
170	24.2	19.8	29.6

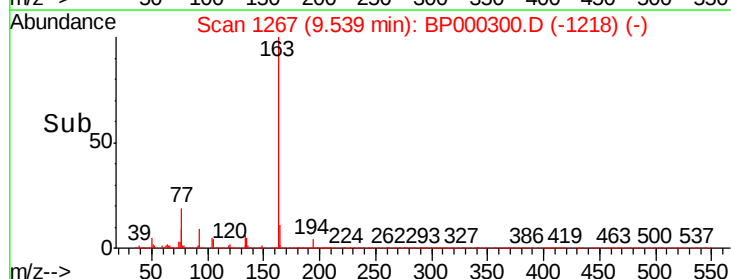
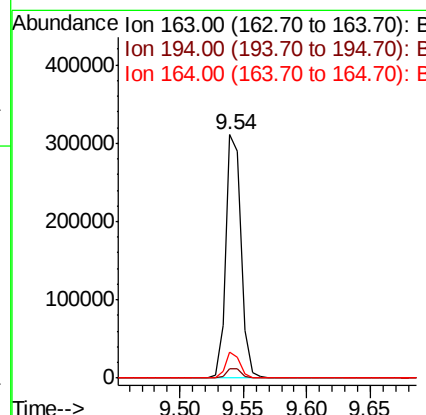
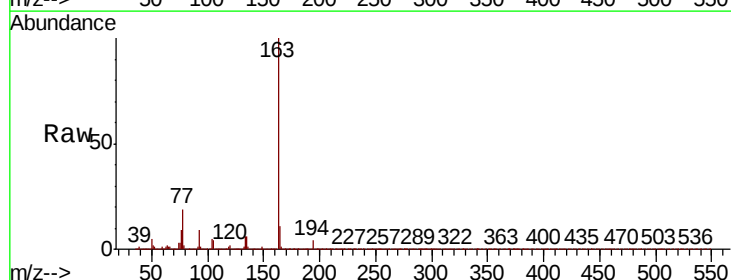
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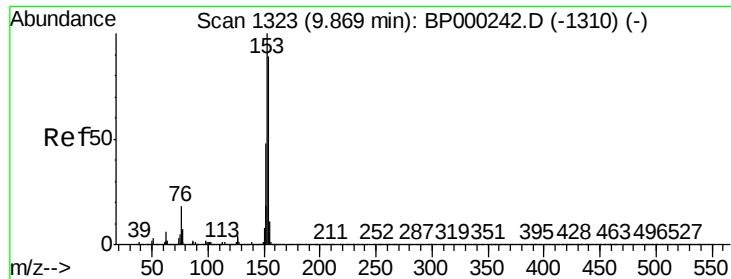
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#50
Dimethylphthalate
Concen: 7.397 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.7	8.5	12.7





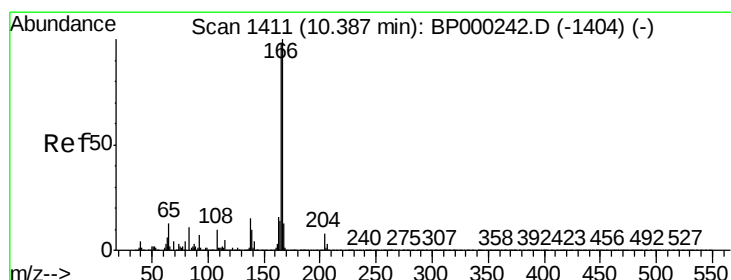
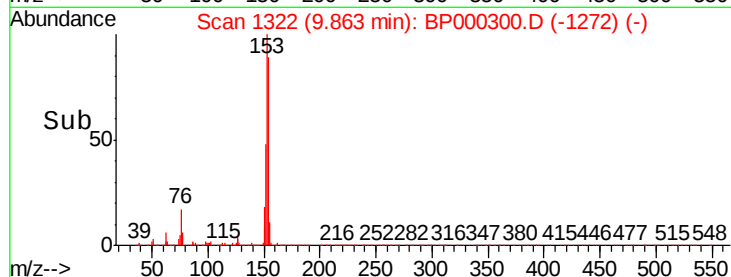
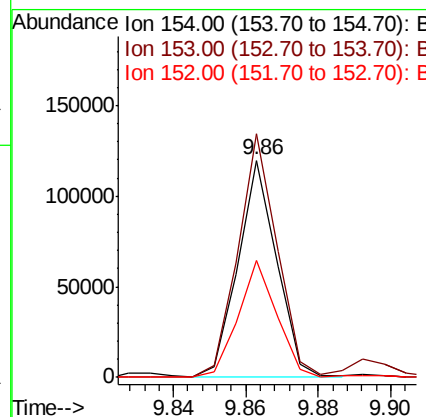
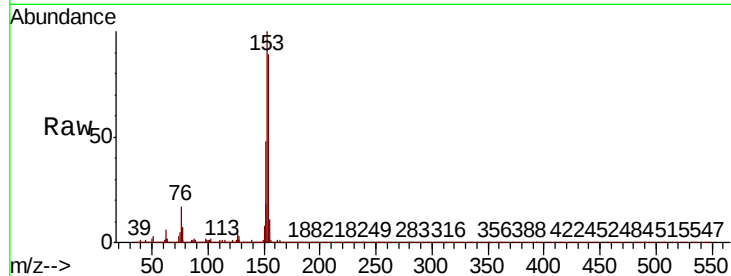
#52
Acenaphthene
Concen: 3.075 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Instrument :
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ClientSampleId :
MG-TRENCH-1-SOIL

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.3	89.8	134.6
152	54.1	43.4	65.0

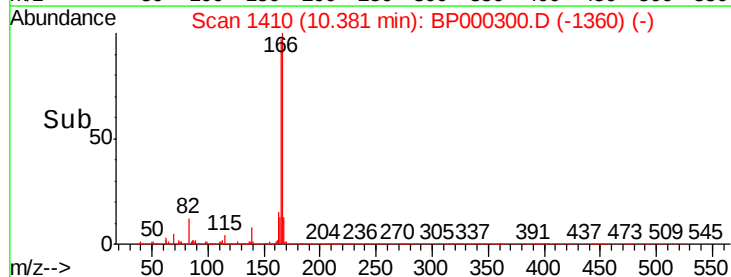
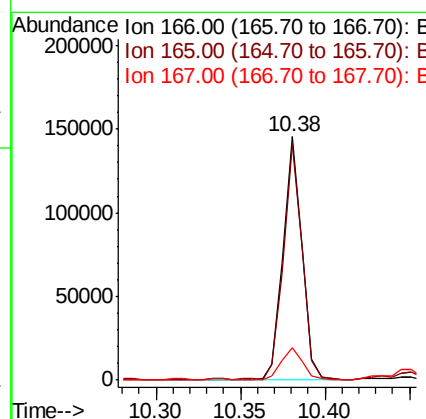
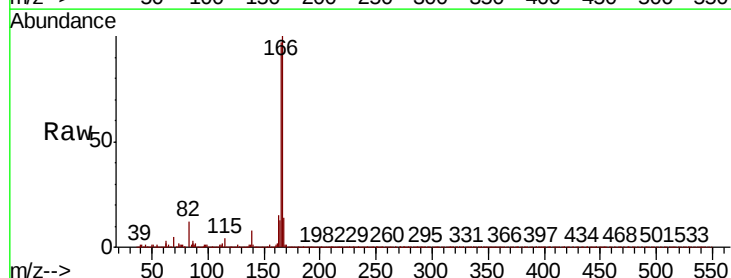
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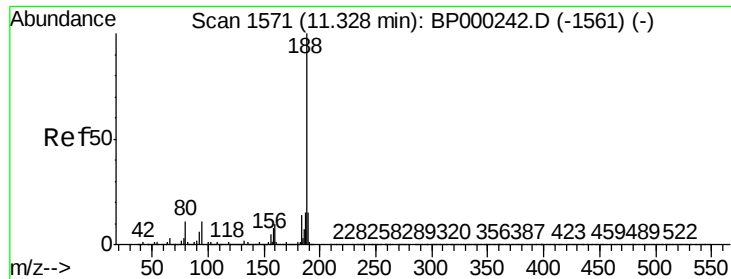
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#58
Fluorene
Concen: 3.564 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	78.2	117.2
167	13.5	10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000300.D

Acq: 18 Sep 2019 16:25

Instrument :

BNA_P

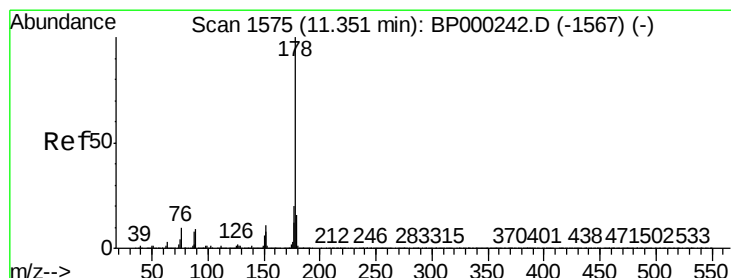
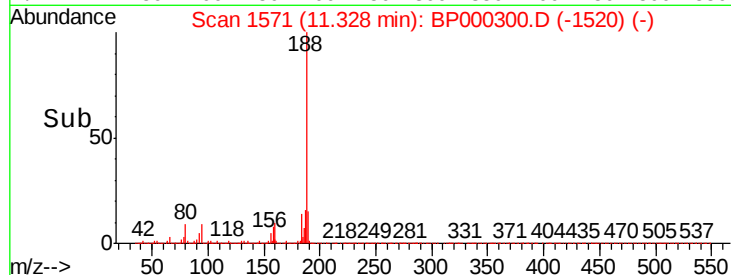
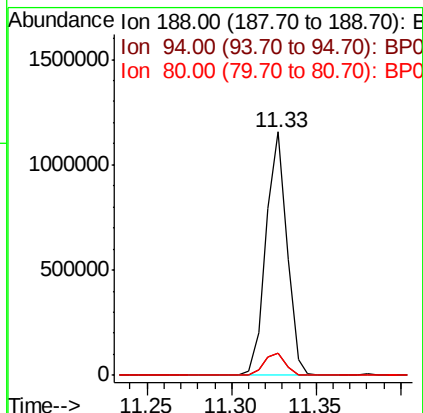
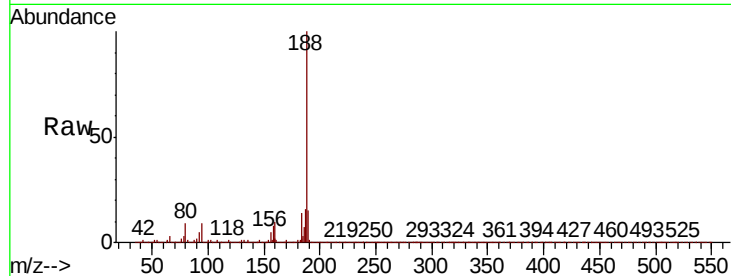
ClientSampleId :

MG-TRENCH-1-SOIL

Tot Ion:	188	Resp:	988025
Ion Ratio	Lower	Upper	
188	100		
94	9.0	8.5	12.7
80	9.1	8.6	13.0

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#71

Phenanthrene

Concen: 43.236 ng

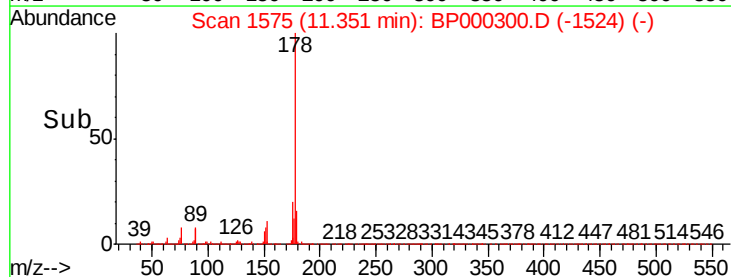
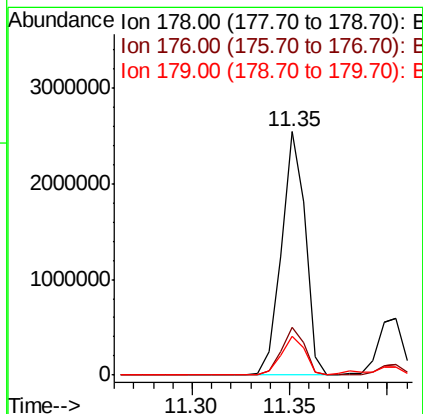
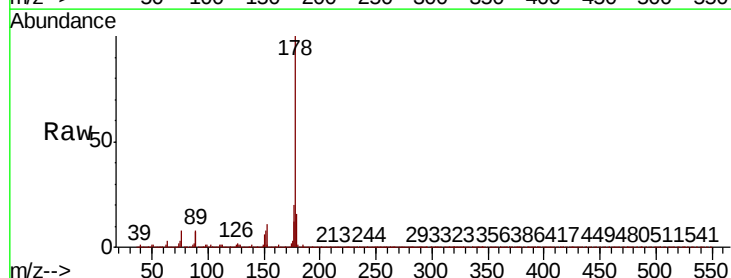
RT: 11.35 min Scan# 1575

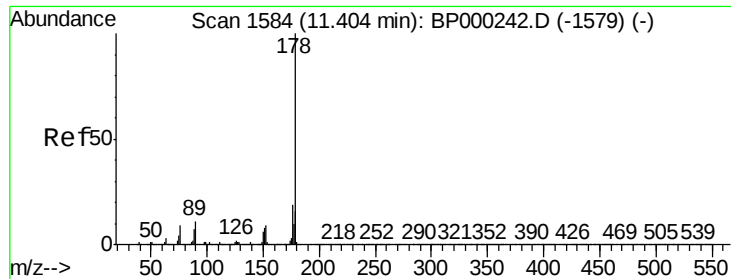
Delta R.T. -0.00 min

Lab File: BP000300.D

Acq: 18 Sep 2019 16:25

Tgt Ion:	178	Resp:	2140720
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	16.1	12.7	19.1





#72

Anthracene

Concen: 10.315 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BP000300.D

Acq: 18 Sep 2019 16:25

Instrument :

BNA_P

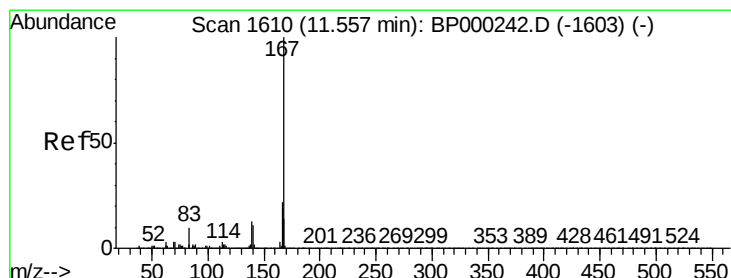
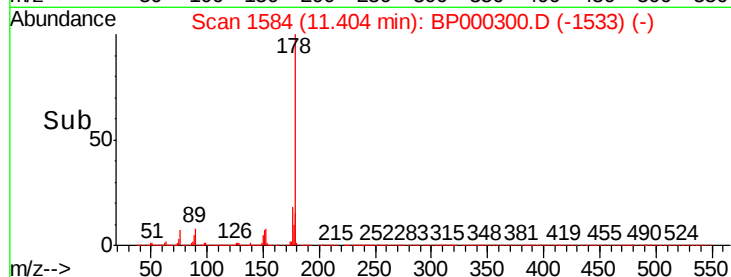
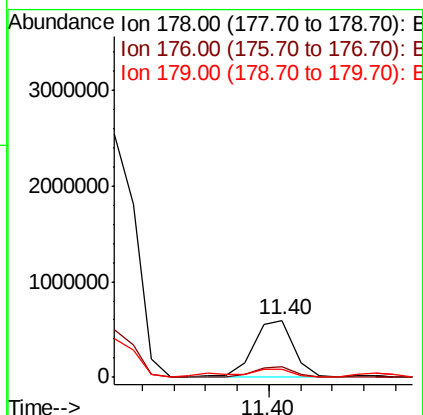
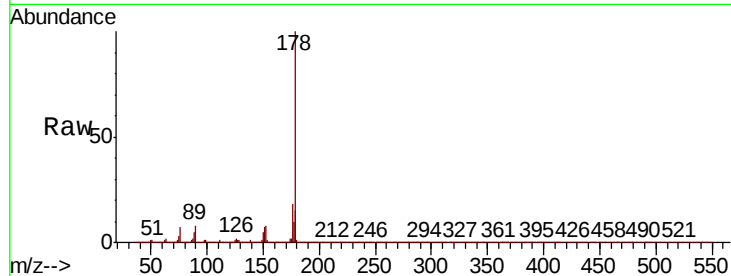
ClientSampleId :

MG-TRENCH-1-SOIL

Tot Ion:	178	Resp:	525701
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.4	23.0
179	15.0	12.7	19.1

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#73

Carbazole

Concen: 6.858 ng

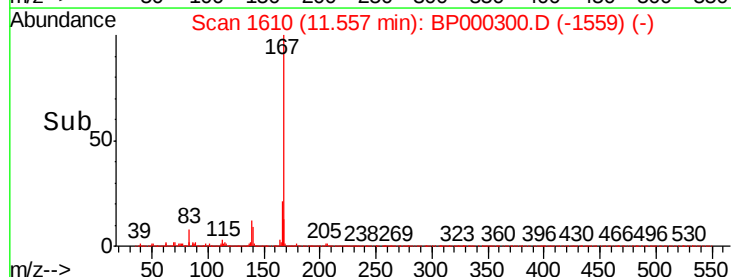
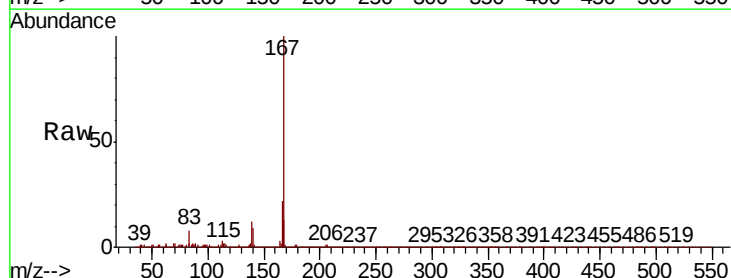
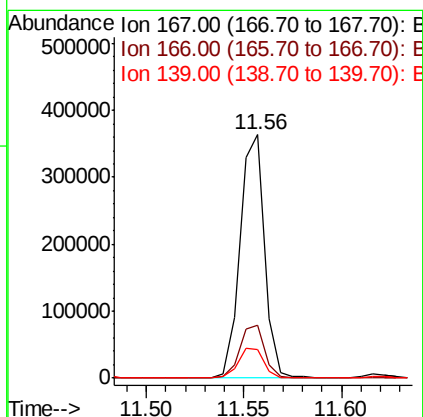
RT: 11.56 min Scan# 1610

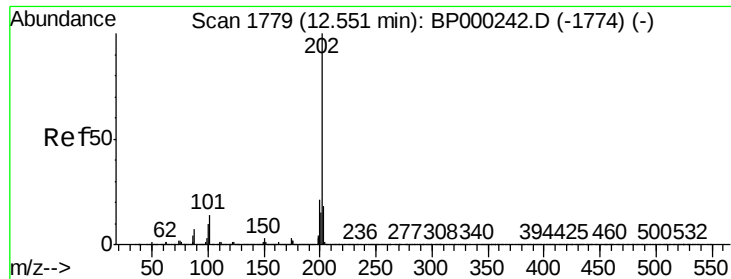
Delta R.T. -0.00 min

Lab File: BP000300.D

Acq: 18 Sep 2019 16:25

Tgt Ion:	167	Resp:	314747
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.8	26.8
139	11.9	10.8	16.2





#75

Fluoranthene

Concen: 58.968 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BP000300.D

Acq: 18 Sep 2019 16:25

Instrument :

BNA_P

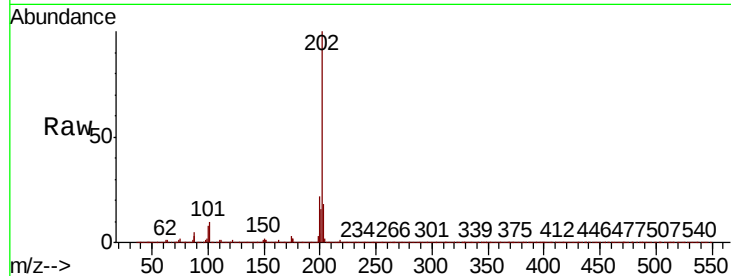
ClientSampleId :

MG-TRENCH-1-SOIL

Tot Ion:	202	Resp:	3135106
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	33.9
203	18.1	0.0	38.0

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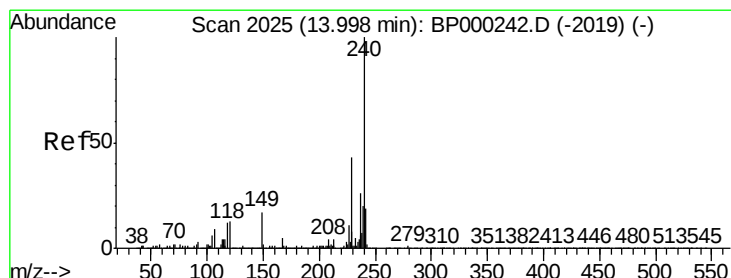
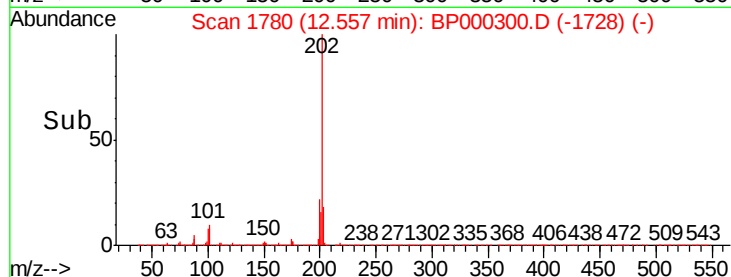
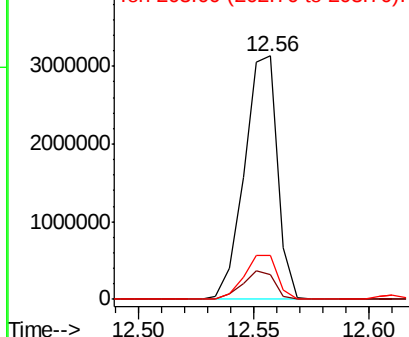


Abundance

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

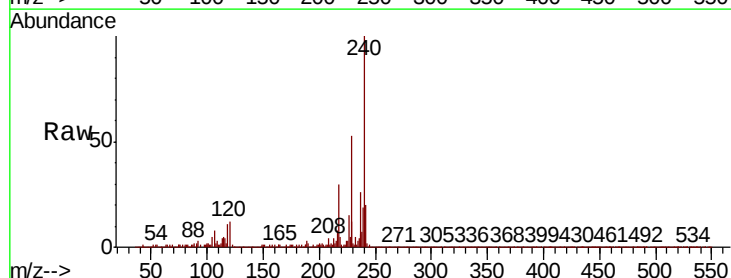
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BP000300.D

Acq: 18 Sep 2019 16:25

Tgt Ion:	240	Resp:	779907
Ion Ratio	Lower	Upper	
240	100		
120	11.6	10.4	15.6
236	25.8	21.0	31.6

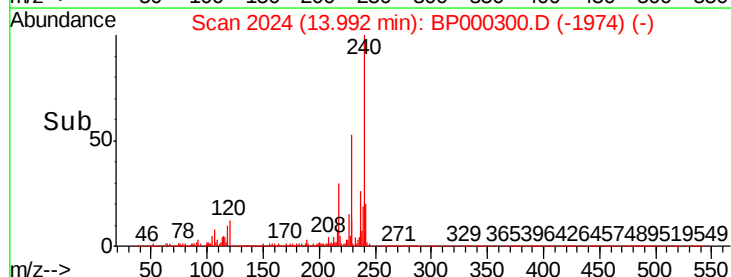
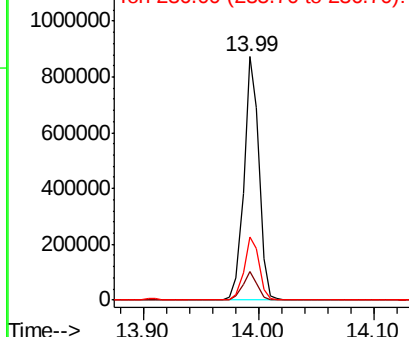


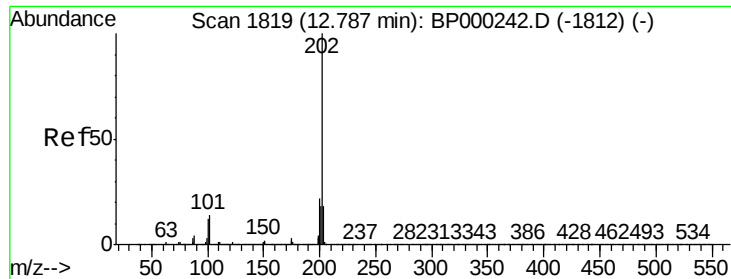
Abundance

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: 46.200 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BP000300.D

Acq: 18 Sep 2019 16:25

Instrument :

BNA_P

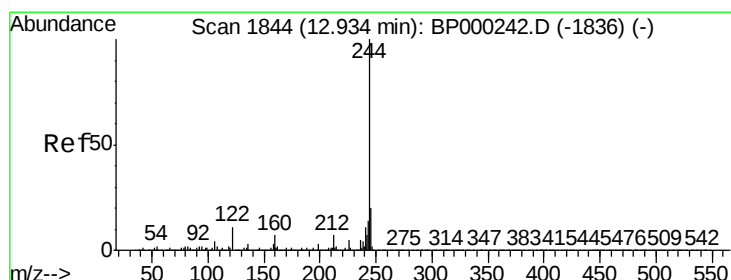
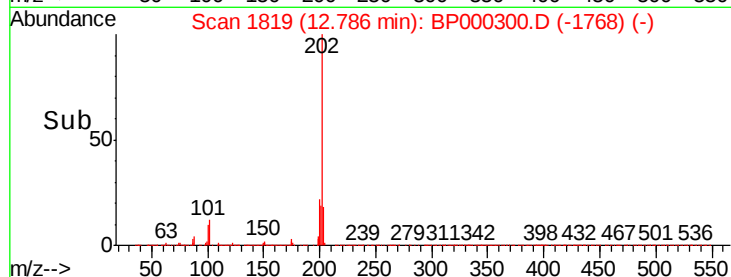
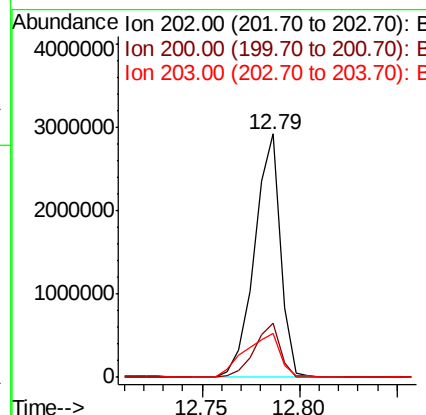
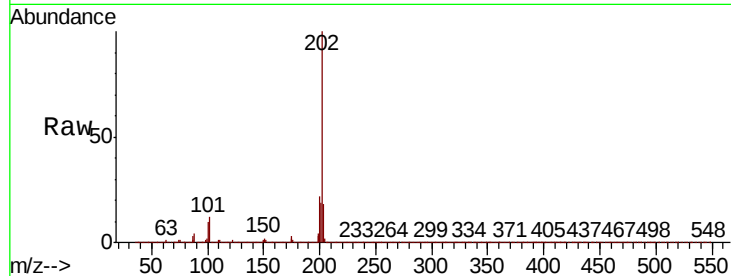
ClientSampleId :

MG-TRENCH-1-SOIL

Tot Ion:	202	Resp:	2695767
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.5	26.3
203	18.1	14.3	21.5

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#79

Terphenyl-d14

Concen: 72.015 ng

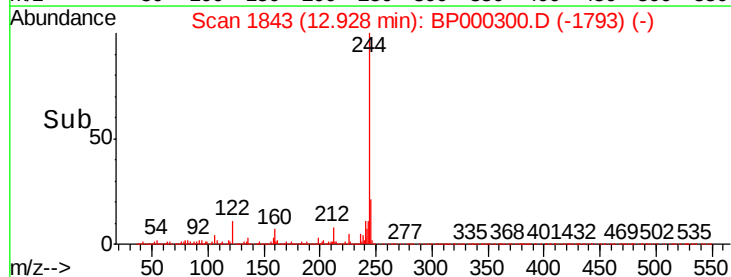
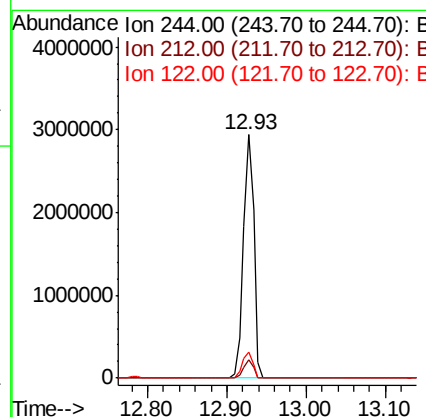
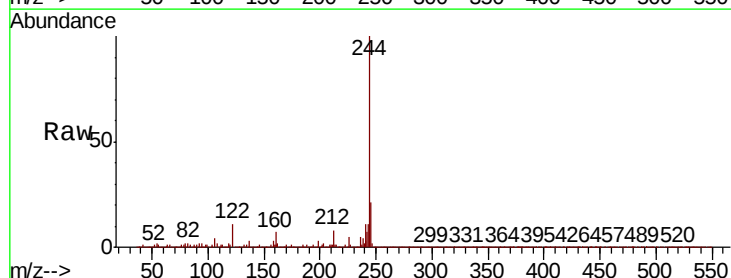
RT: 12.93 min Scan# 1843

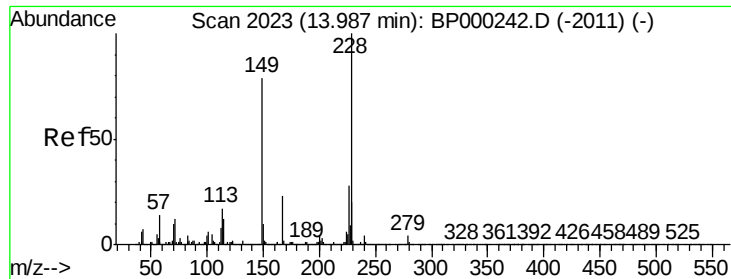
Delta R.T. -0.01 min

Lab File: BP000300.D

Acq: 18 Sep 2019 16:25

Tgt Ion:	244	Resp:	2677279
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.9	8.9
122	10.9	9.0	13.4





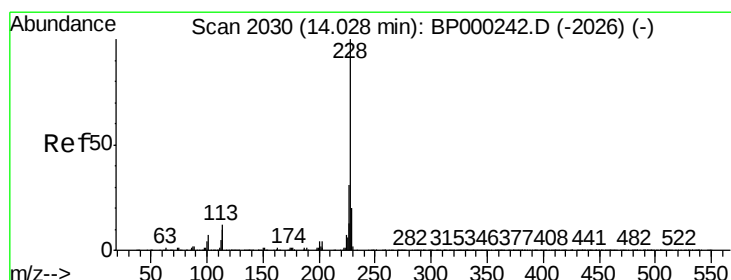
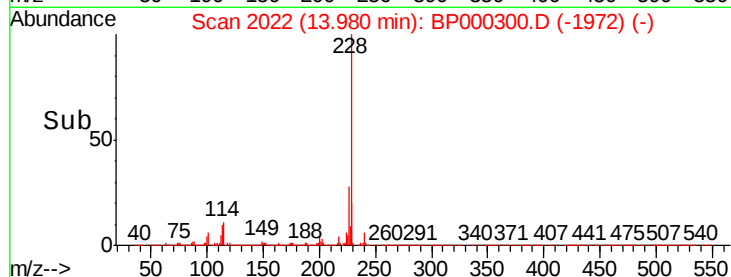
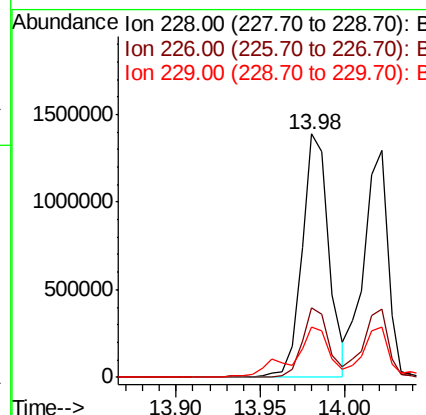
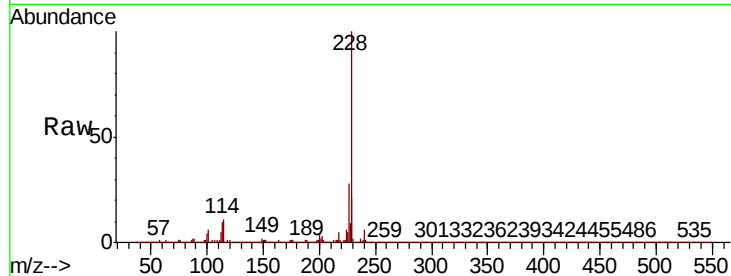
#81
Benzo(a)anthracene
Concen: 31.006 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Instrument :
BNA_P
ClientSampleId :
MG-TRENCH-1-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.4
229	20.6	16.0	24.0

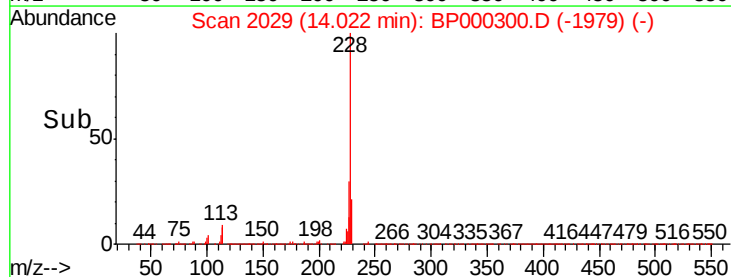
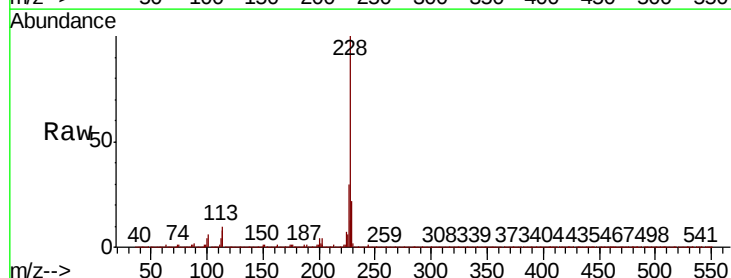
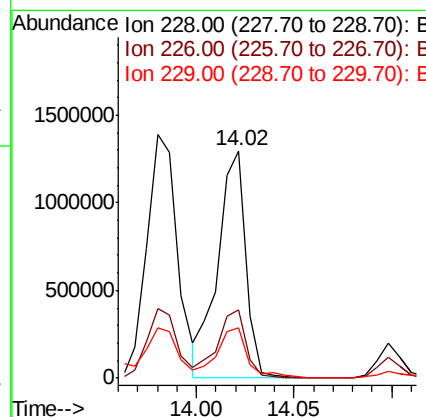
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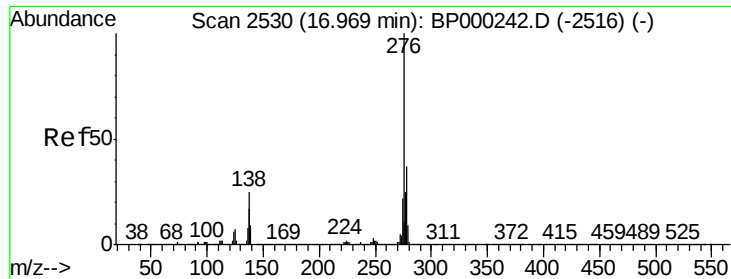
Jagrut
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#83
Chrysene
Concen: 26.747 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.1	16.2	24.2





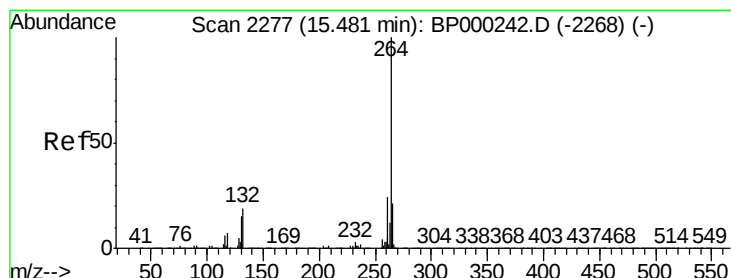
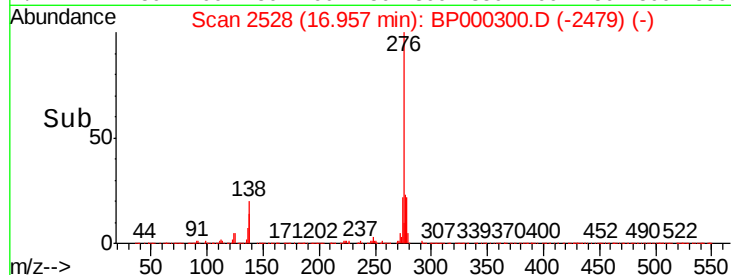
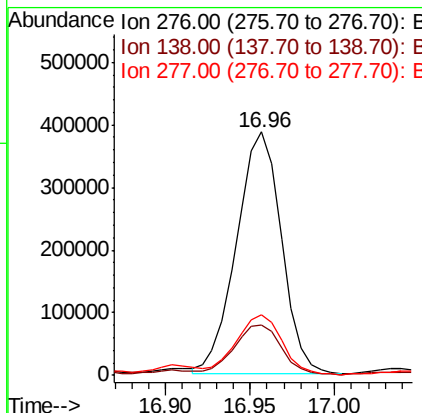
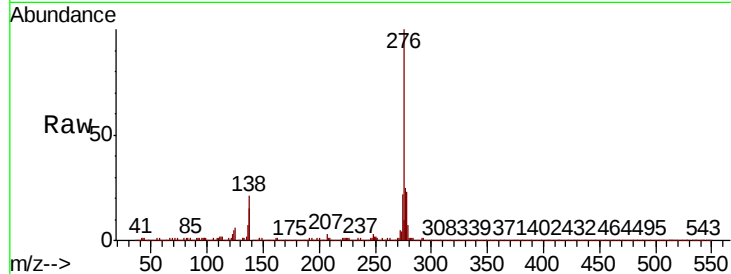
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.158 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Instrument :
BNA_P
ClientSampleId :
MG-TRENCH-1-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
138	4.4	22.6	33.8#	
277	4.8	20.4	30.6#	

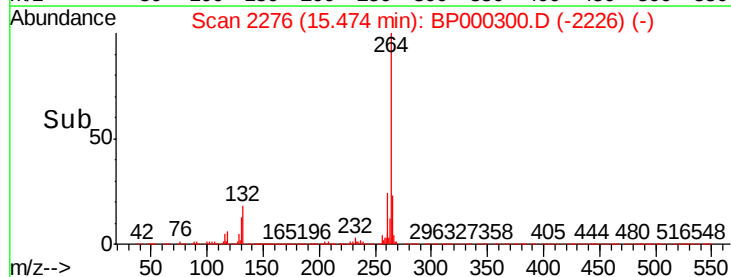
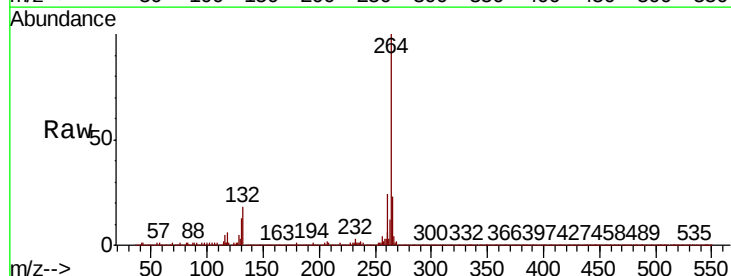
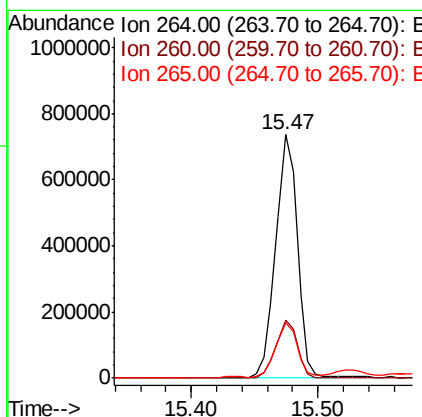
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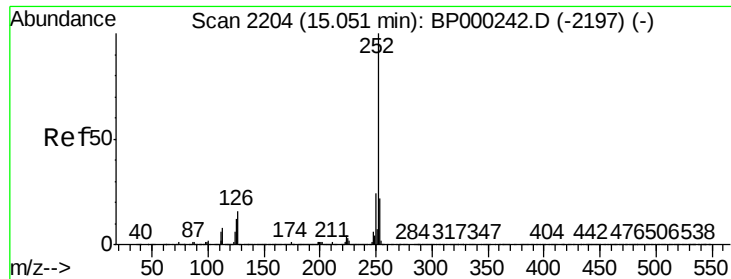
Jagrut
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.9	18.9	28.3	
265	22.6	17.2	25.8	





#88

Benzo(b)fluoranthene

Concen: 31.326 ng m

RT: 15.05 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BP000300.D

Acq: 18 Sep 2019 16:25

Instrument :

BNA_P

ClientSampleId :

MG-TRENCH-1-SOIL

Tot Ion:252 Resp: 1639597

Ion Ratio Lower Upper

252 100

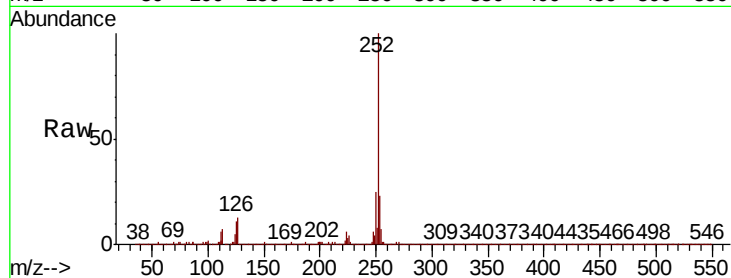
253 22.8 17.8 26.6

125 10.6 9.5 14.3

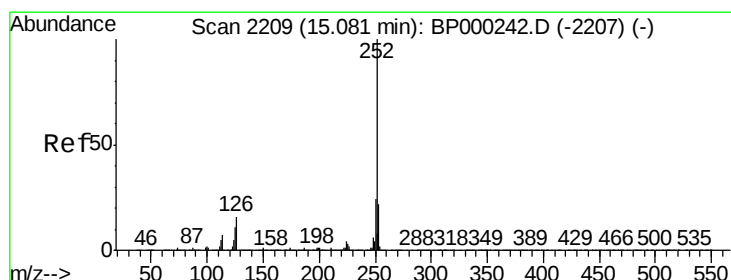
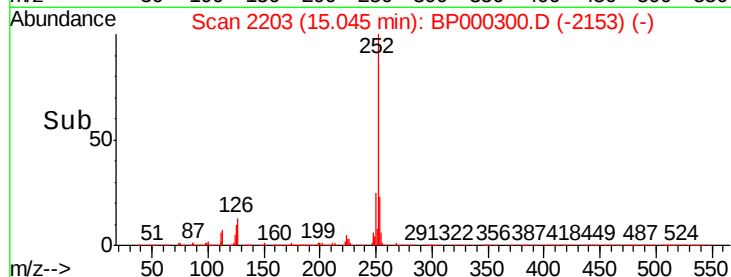
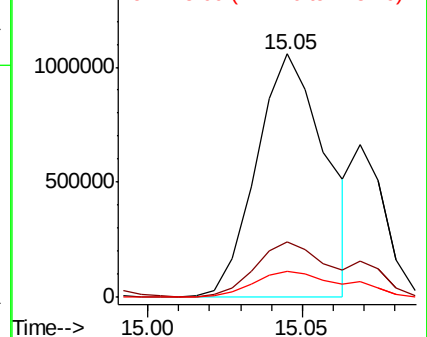
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 10.672 ng m

RT: 15.07 min Scan# 2207

Delta R.T. -0.01 min

Lab File: BP000300.D

Acq: 18 Sep 2019 16:25

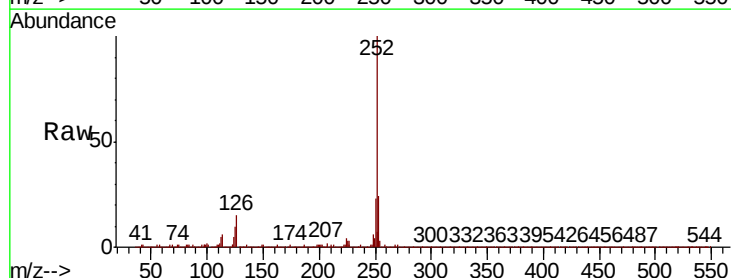
Tgt Ion:252 Resp: 487228

Ion Ratio Lower Upper

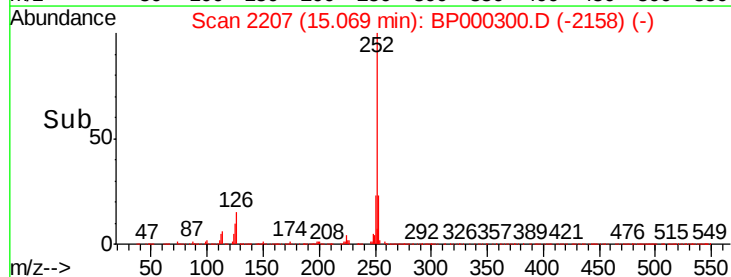
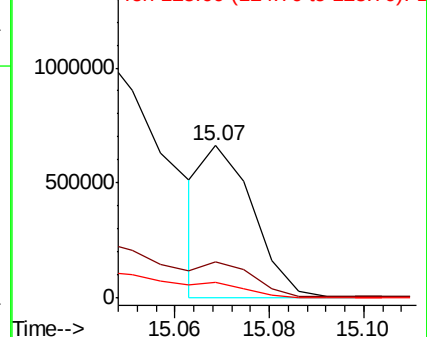
252 100

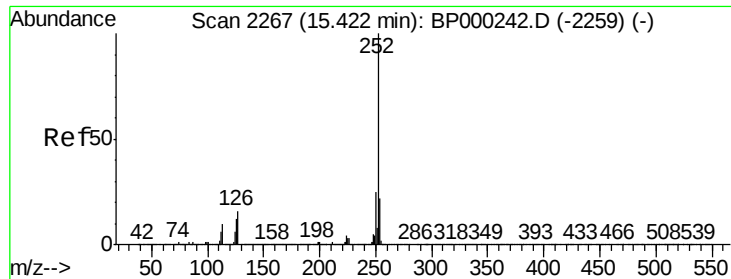
253 23.8 17.8 26.8

125 10.2 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





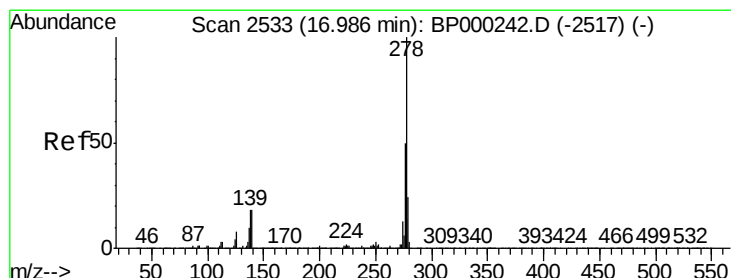
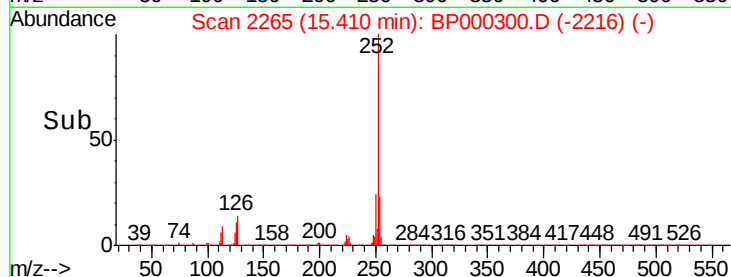
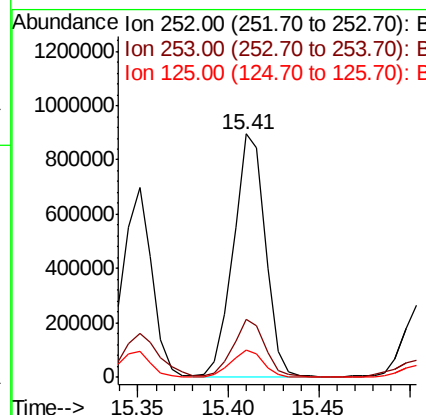
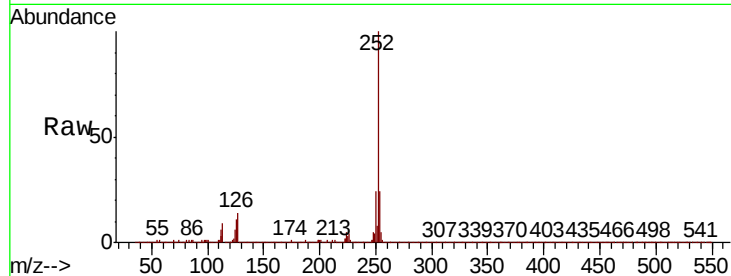
#90
Benzo(a)pyrene
Concen: 22.993 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Instrument :
BNA_P
ClientSampleId :
MG-TRENCH-1-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	11.4	10.0	15.0

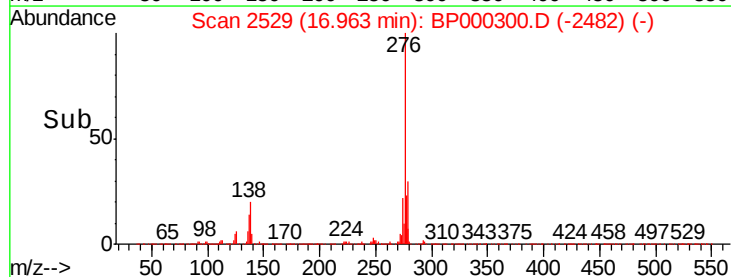
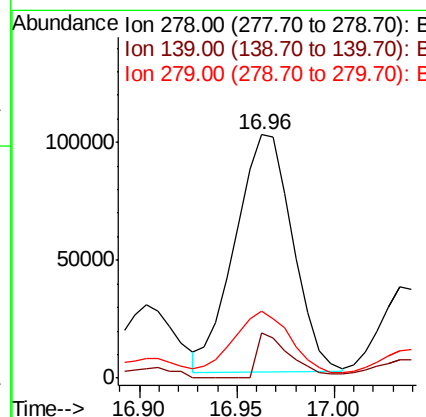
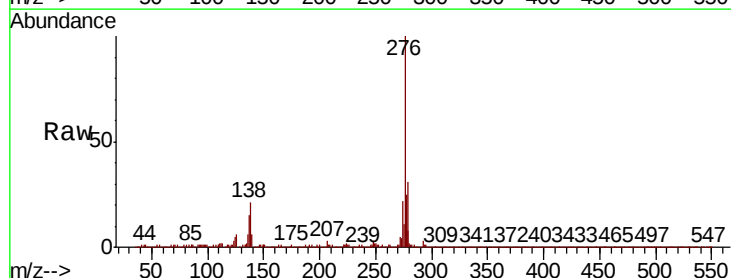
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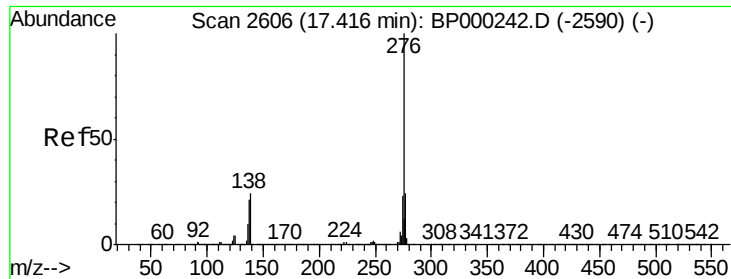
Jagrut
9/19/2019 11:07:05 AM



#91
Dibenzo(a,h)anthracene
Concen: 4.646 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.02 min
Lab File: BP000300.D
Acq: 18 Sep 2019 16:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.7	14.5	21.7
279	27.7	19.0	28.6





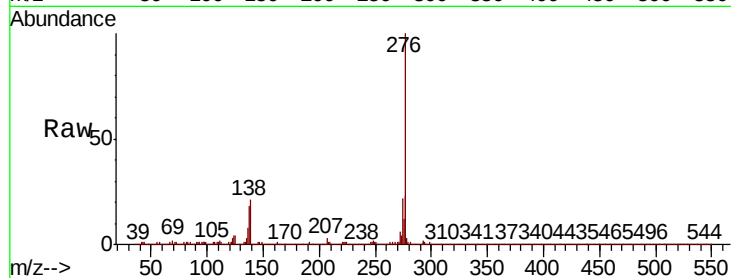
#92
 Benzo(a,h,i)perylene
 Concen: 15.107 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. -0.01 min
 Lab File: BP000300.D
 Acq: 18 Sep 2019 16:25

Instrument :
 BNA_P
 ClientSampleId :
 MG-TRENCH-1-SOIL

Tot Ion:	276	Resp:	689495
Ion Ratio		Lower	Upper
276	100		
277	23.4	19.1	28.7
138	20.5	19.5	29.3

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

