

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
 Data File : BP000299.D
 Acq On : 18 Sep 2019 16:01
 Operator : HP/JU
 Sample : K4938-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MG-DIESEL-BOTTOM-SOIL

Quant Time: Sep 19 04:07:06 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

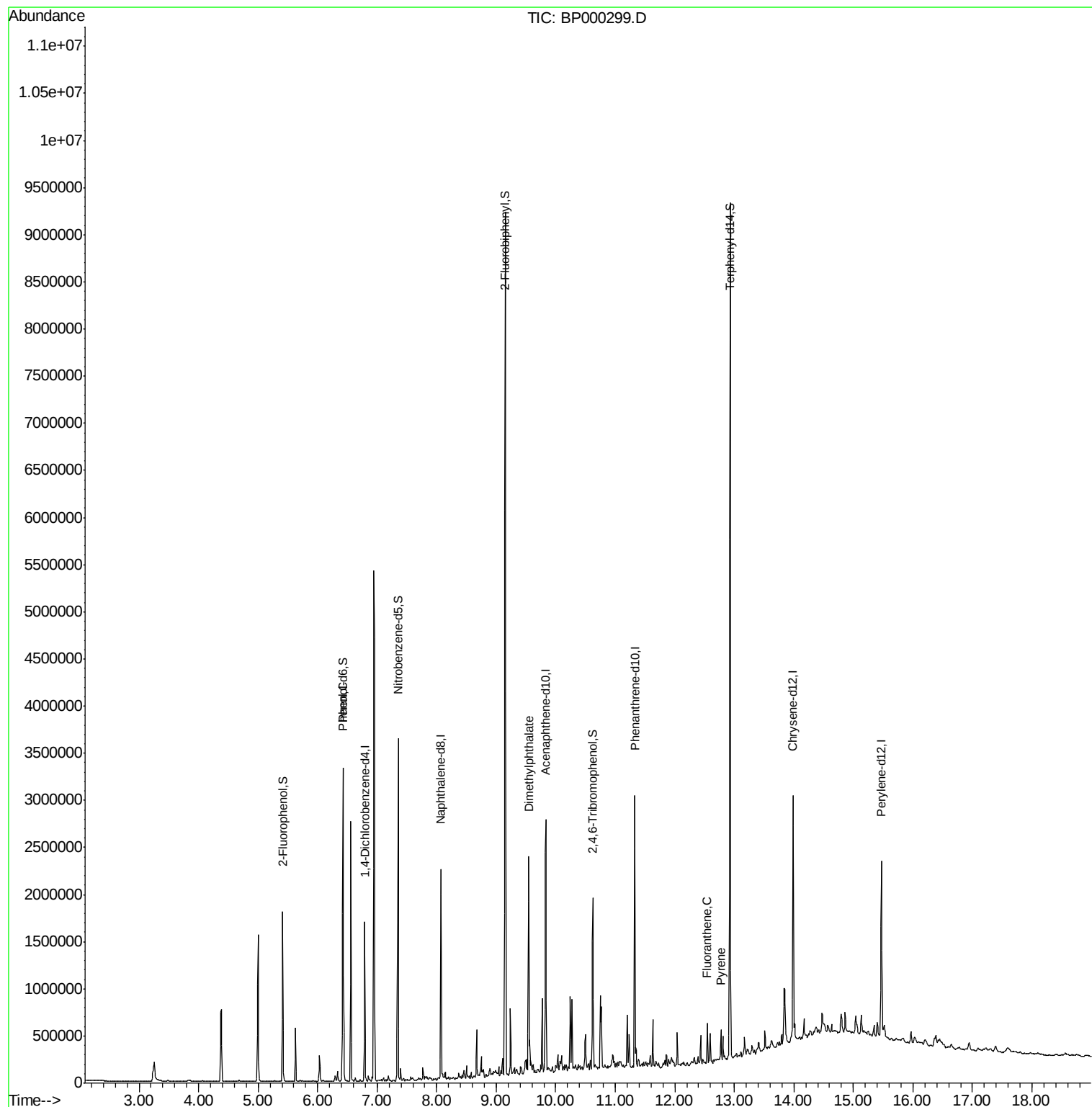
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	268927	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	973628	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	531513	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	989395	20.00	ng	0.00
76) Chrysene-d12	13.99	240	842813	20.00	ng	-0.01
87) Perylene-d12	15.47	264	902733	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	602903	38.70	ng	0.01
7) Phenol-d6	6.42	99	1395908	73.10	ng	0.00
23) Nitrobenzene-d5	7.35	82	1247598	82.67	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	216773	41.12	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2685264	90.93	ng	0.00
79) Terphenyl-d14	12.93	244	3287312	81.82	ng	0.00
Target Compounds						
10) Phenol	6.43	94	194391	8.960	ng	98
50) Dimethylphthalate	9.55	163	861805	23.798	ng	99
75) Fluoranthene	12.55	202	155328	2.918	ng	97
78) Pyrene	12.78	202	143222	2.271	ng	98

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

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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: BP000299.D

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BNA_P

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MG-DIESEL-BOTTOM-SOIL

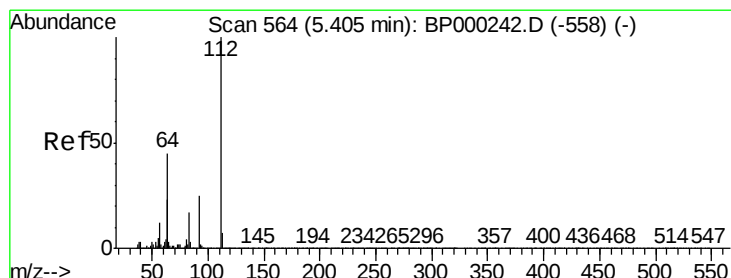
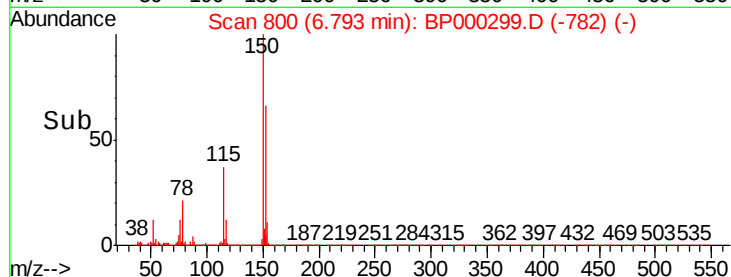
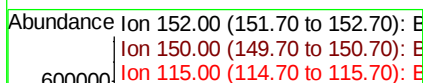
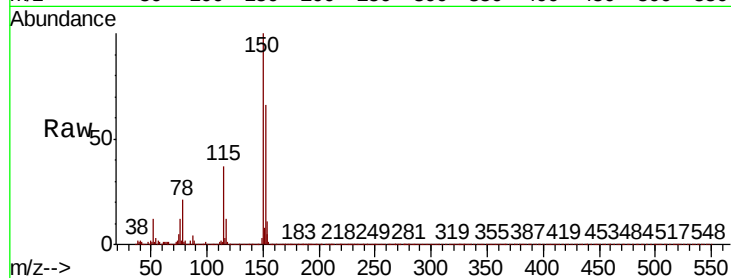
Tot Ion:152 Resp: 268927

Ion Ratio Lower Upper

152 100

150 152.1 125.2 187.8

115 56.2 49.7 74.5



#5

2-Fluorophenol

Concen: 38.703 ng

RT: 5.42 min Scan# 566

Delta R.T. 0.01 min

Lab File: BP000299.D

Acq: 18 Sep 2019 16:01

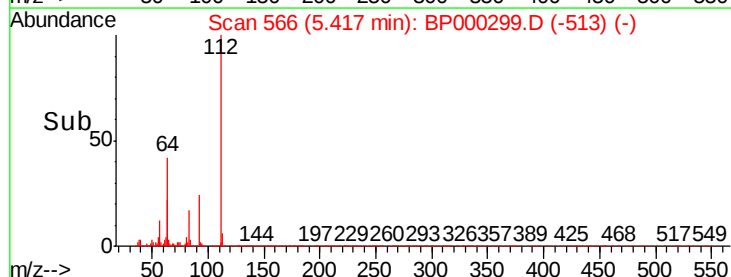
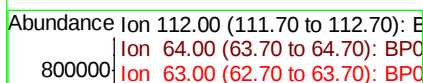
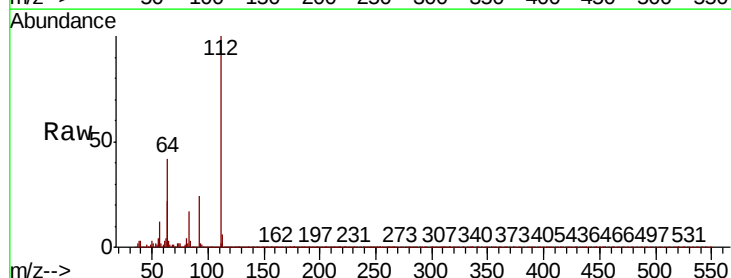
Tgt Ion:112 Resp: 602903

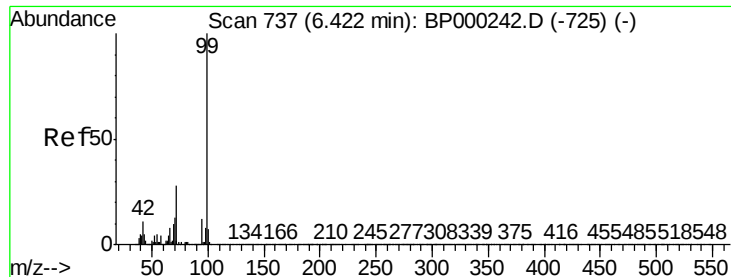
Ion Ratio Lower Upper

112 100

64 42.4 36.2 54.4

63 21.7 18.3 27.5





#7

Phenol-d6

Concen: 73.103 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BP000299.D

Acq: 18 Sep 2019 16:01

Instrument :

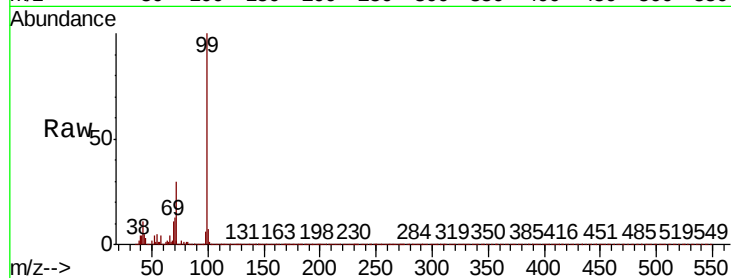
BNA_P

ClientSampleId :

MG-DIESEL-BOTTOM-SOIL

Tot Ion: 99 Resp: 1395908

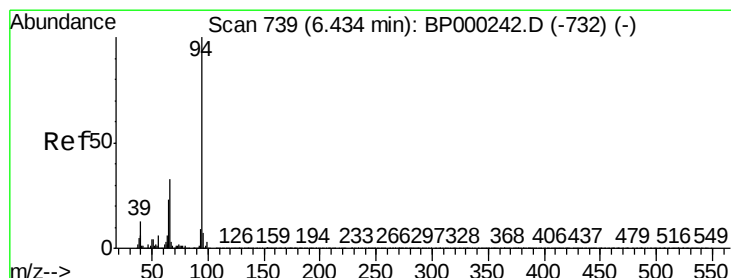
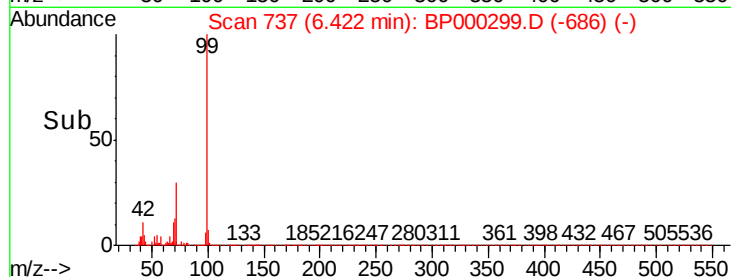
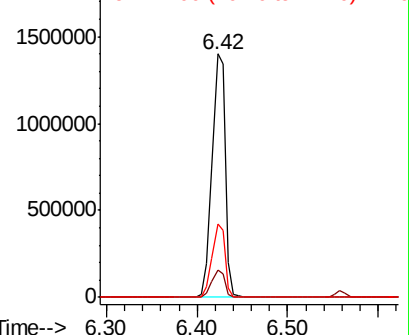
Ion	Ratio	Lower	Upper
99	100		
42	11.2	8.5	12.7
71	30.3	22.6	34.0



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#10

Phenol

Concen: 8.960 ng

RT: 6.43 min Scan# 739

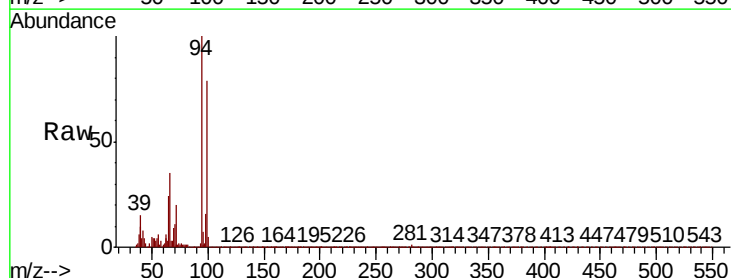
Delta R.T. 0.00 min

Lab File: BP000299.D

Acq: 18 Sep 2019 16:01

Tgt Ion: 94 Resp: 194391

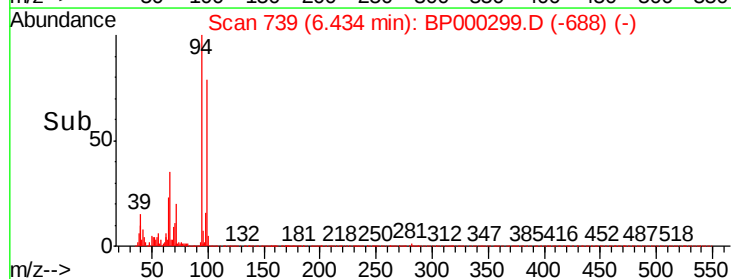
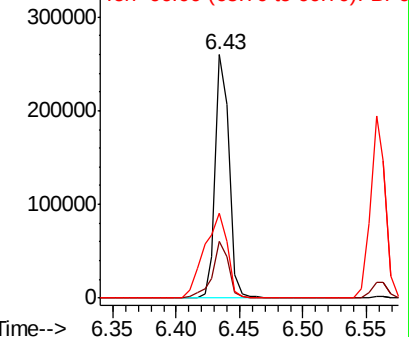
Ion	Ratio	Lower	Upper
94	100		
65	23.5	3.3	43.3
66	34.8	12.7	52.7

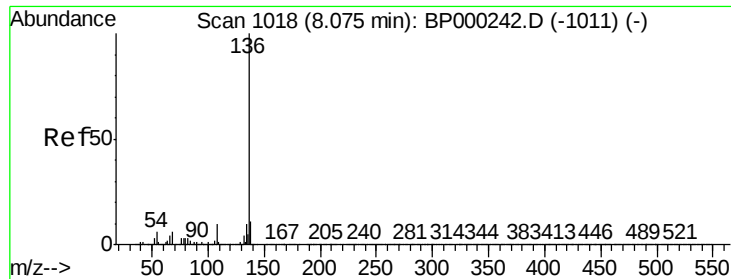


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

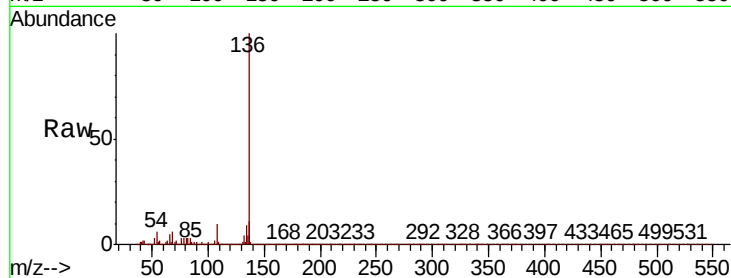




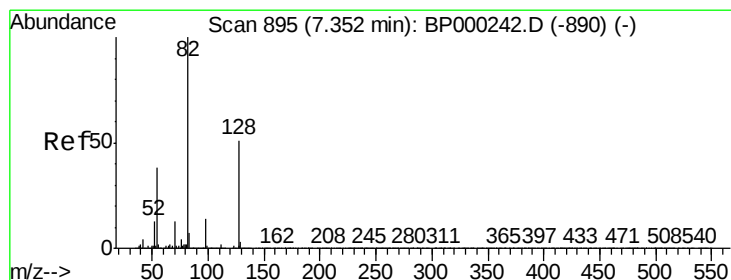
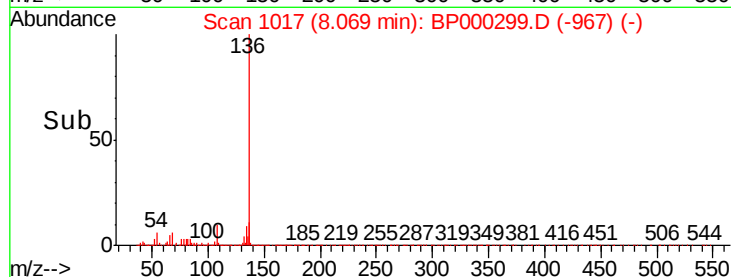
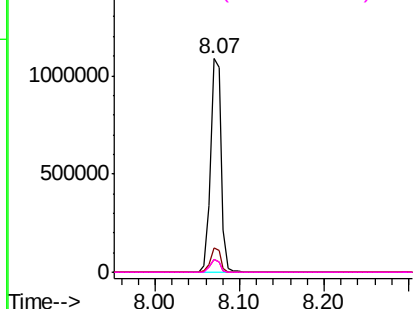
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000299.D
Acq: 18 Sep 2019 16:01

Instrument :
BNA_P
ClientSampleId :
MG-DIESEL-BOTTOM-SOIL

Tot Ion:136	Resp:	973628	
Ion Ratio	Lower	Upper	
136 100			
137 11.2	8.6	13.0	
54 5.9	4.5	6.7	
68 5.7	4.5	6.7	

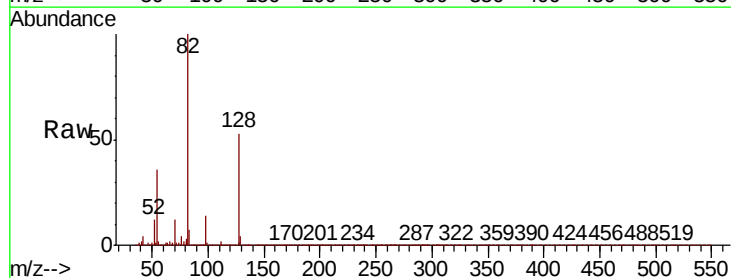


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

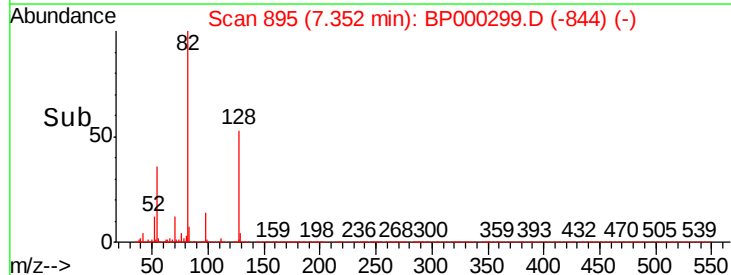
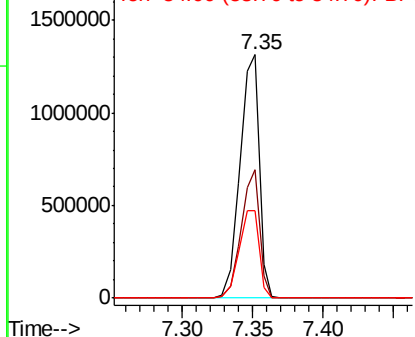


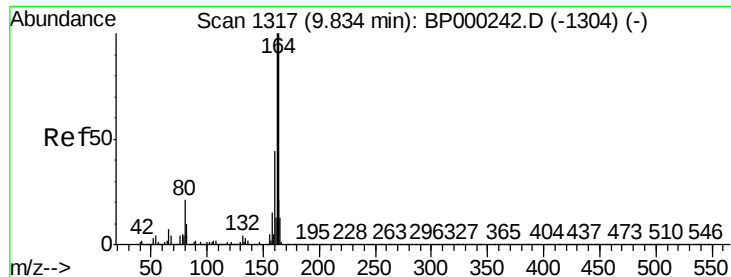
#23
Nitrobenzene-d5
Concen: 82.675 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.00 min
Lab File: BP000299.D
Acq: 18 Sep 2019 16:01

Tgt	Ion: 82	Resp: 1247598	
Ion	Ratio	Lower	Upper
82	100		
128	52.6	40.7	61.1
54	35.9	30.1	45.1



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0

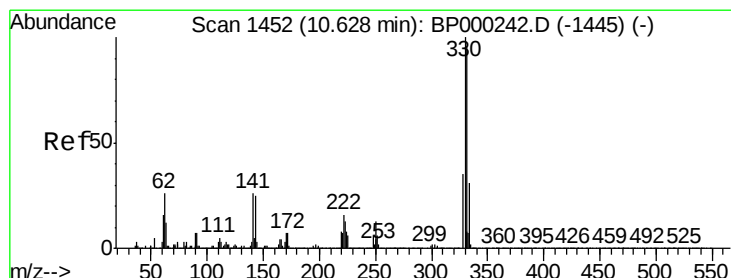
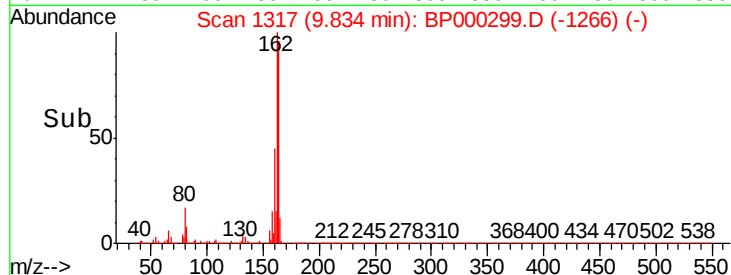
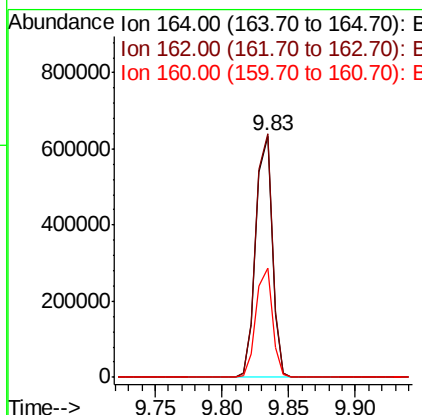
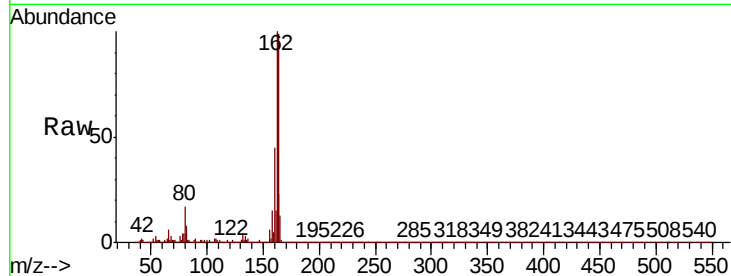




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000299.D
Acq: 18 Sep 2019 16:01

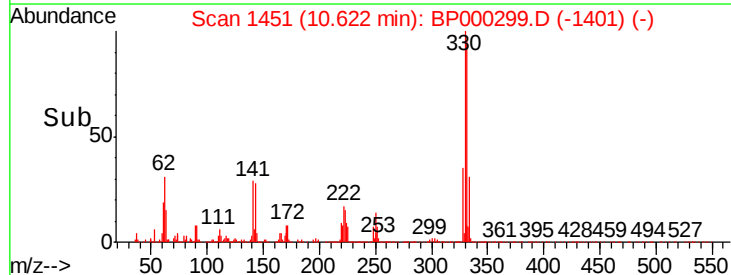
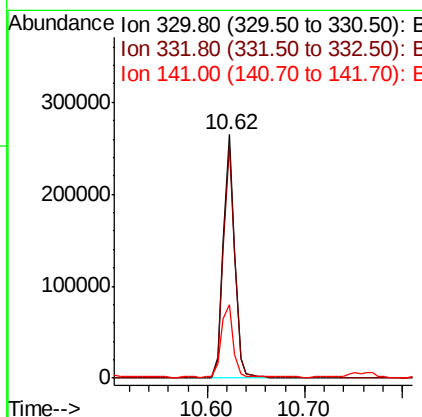
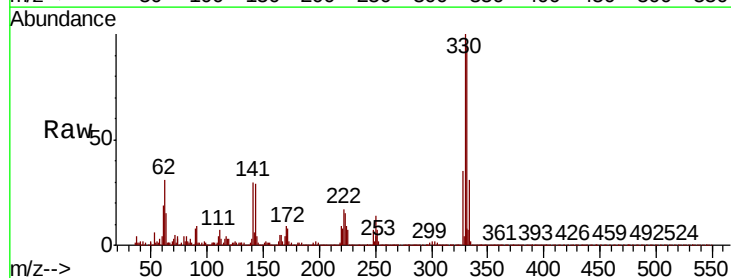
Instrument :
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MG-DIESEL-BOTTOM-SOIL

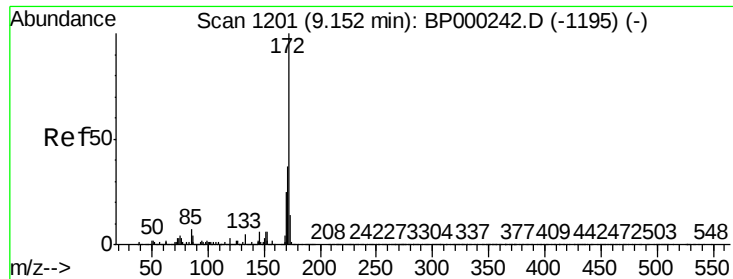
Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	79.9	119.9
160	45.2	35.6	53.4



#42
2,4,6-Tribromophenol
Concen: 41.119 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000299.D
Acq: 18 Sep 2019 16:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	30.6	26.5	39.7

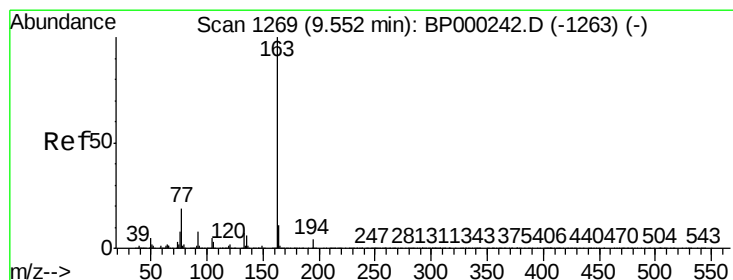
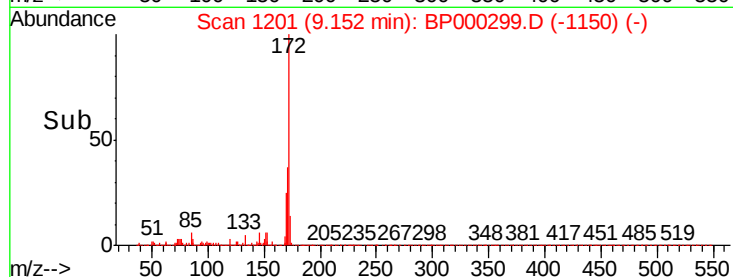
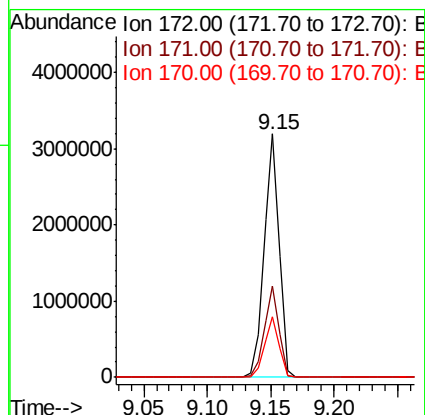
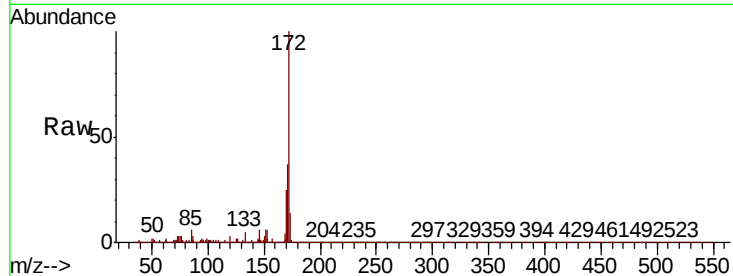




#45
2-Fluorobiphenyl
Concen: 90.928 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000299.D
Acq: 18 Sep 2019 16:01

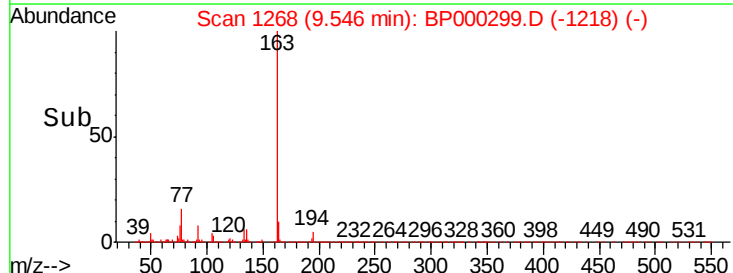
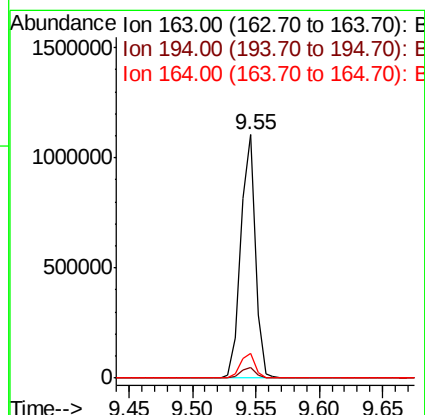
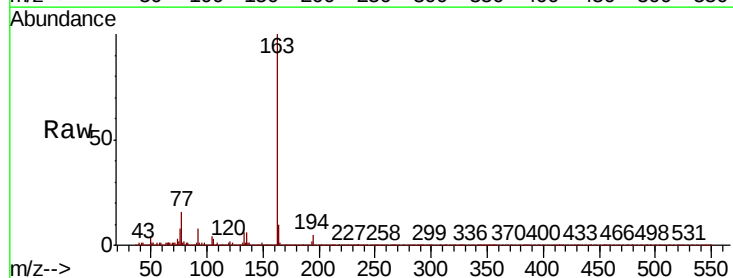
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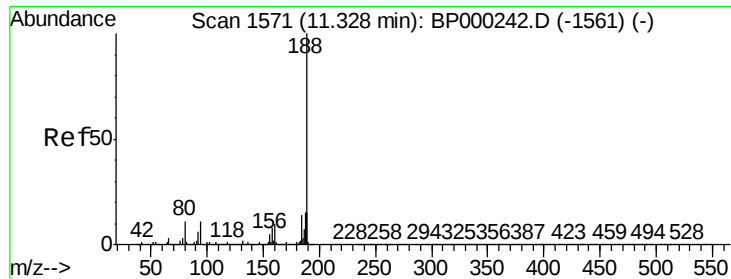
Tot Ion:172 Resp: 2685264
Ion Ratio Lower Upper
172 100
171 37.4 29.8 44.6
170 24.8 19.8 29.6



#50
Dimethylphthalate
Concen: 23.798 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000299.D
Acq: 18 Sep 2019 16:01

Tgt Ion:163 Resp: 861805
Ion Ratio Lower Upper
163 100
194 4.6 3.4 5.0
164 10.1 8.5 12.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BP000299.D

Acq: 18 Sep 2019 16:01

Instrument :

BNA_P

ClientSampleId :

MG-DIESEL-BOTTOM-SOIL

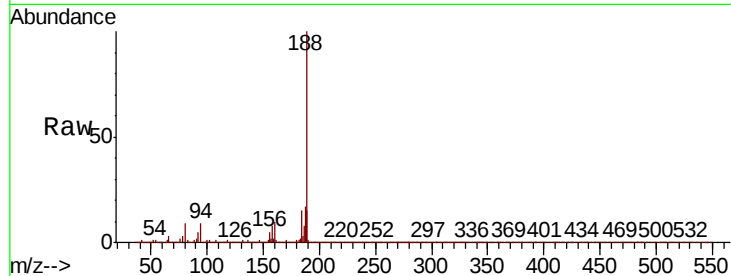
Tot Ion:188 Resp: 989395

Ion Ratio Lower Upper

188 100

94 8.5 8.5 12.7

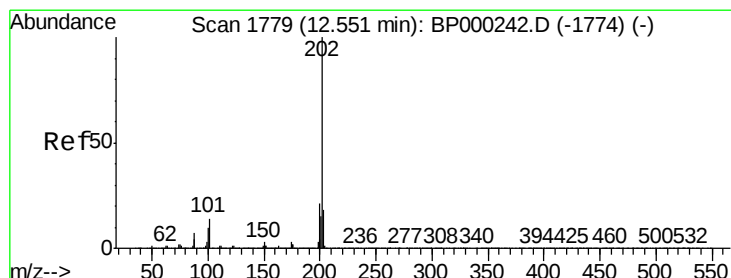
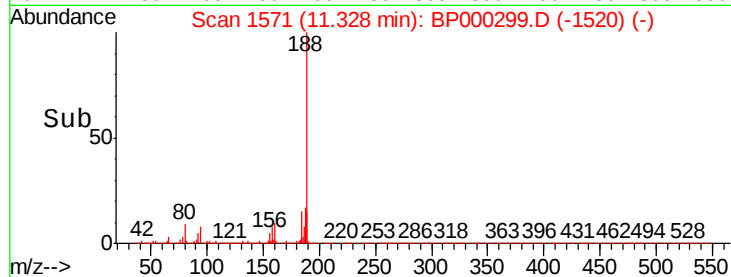
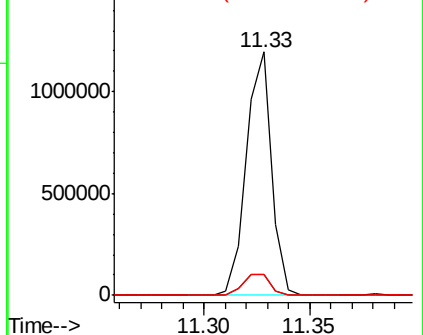
80 8.6 8.6 13.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO



#75

Fluoranthene

Concen: 2.918 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BP000299.D

Acq: 18 Sep 2019 16:01

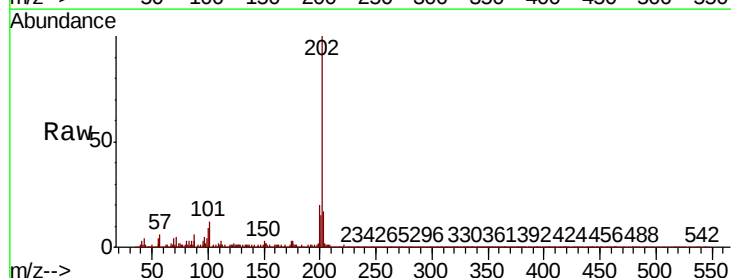
Tgt Ion:202 Resp: 155328

Ion Ratio Lower Upper

202 100

101 11.8 0.0 33.9

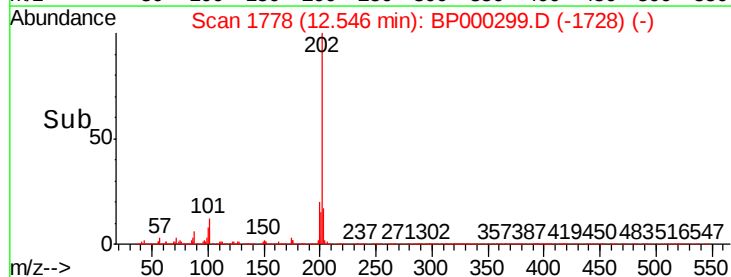
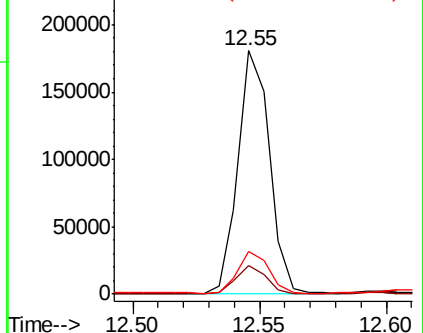
203 17.4 0.0 38.0

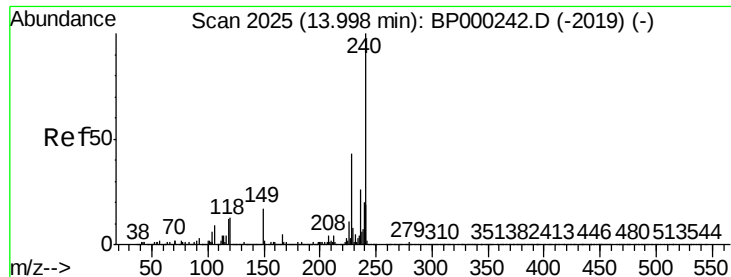


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2023

Delta R.T. -0.01 min

Lab File: BP000299.D

Acq: 18 Sep 2019 16:01

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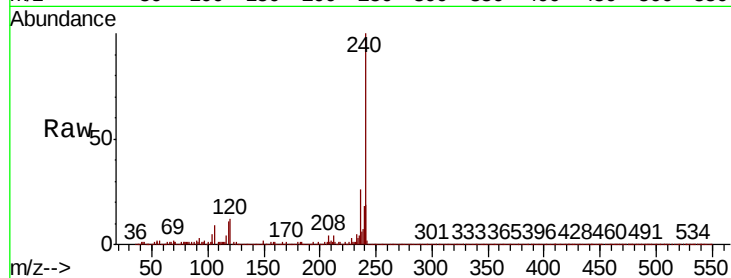
Tot Ion:240 Resp: 842813

Ion Ratio Lower Upper

240 100

120 12.3 10.4 15.6

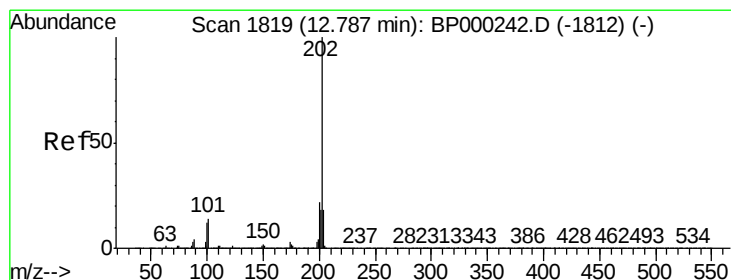
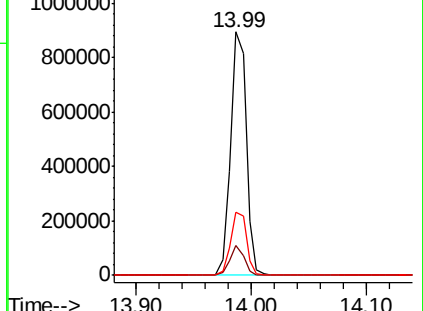
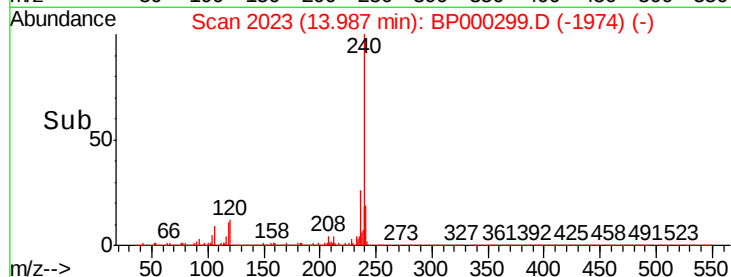
236 26.2 21.0 31.6



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

Pyrene

Concen: 2.271 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BP000299.D

Acq: 18 Sep 2019 16:01

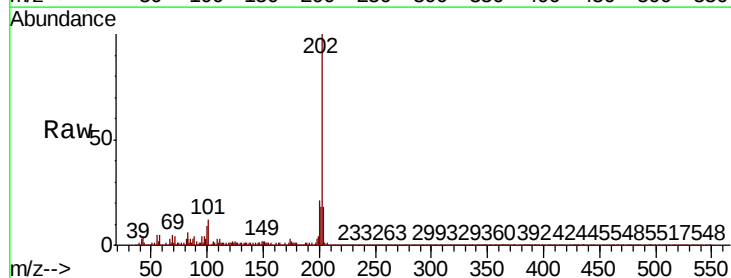
Tgt Ion:202 Resp: 143222

Ion Ratio Lower Upper

202 100

200 20.7 17.5 26.3

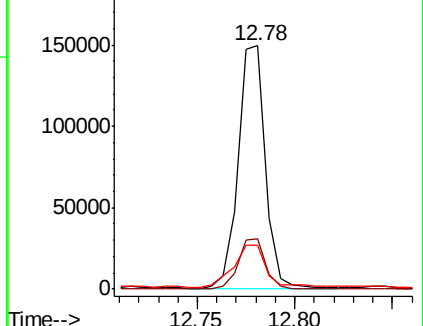
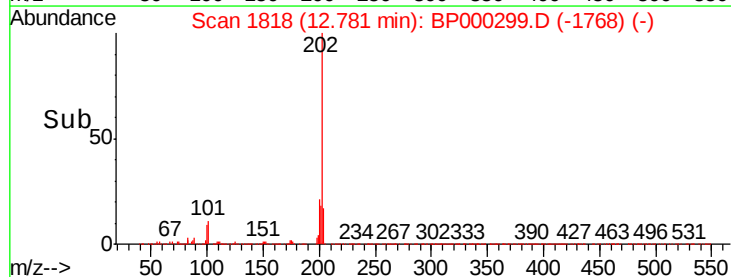
203 18.2 14.3 21.5

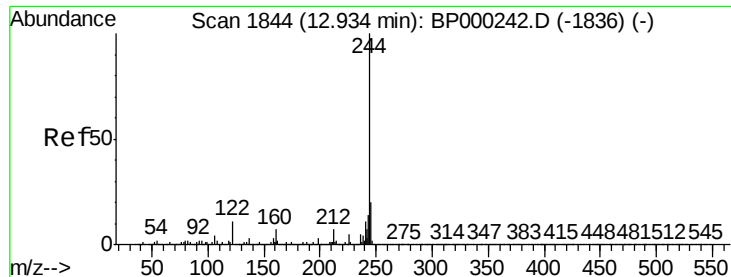


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 81.824 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BP000299.D

Acq: 18 Sep 2019 16:01

Instrument :

BNA_P

ClientSampleId :

MG-DIESEL-BOTTOM-SOIL

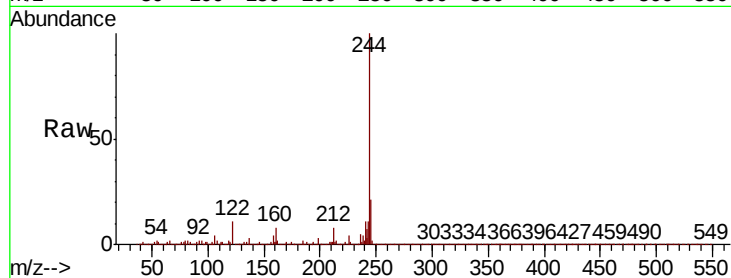
Tot Ion:244 Resp: 3287312

Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

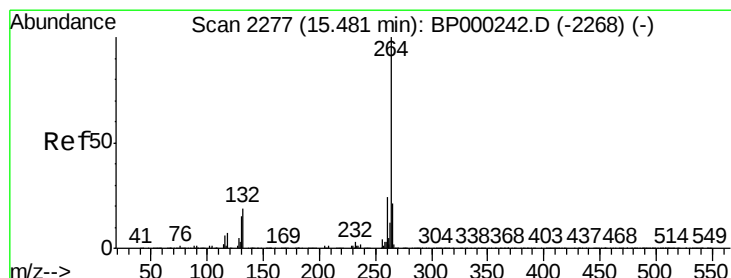
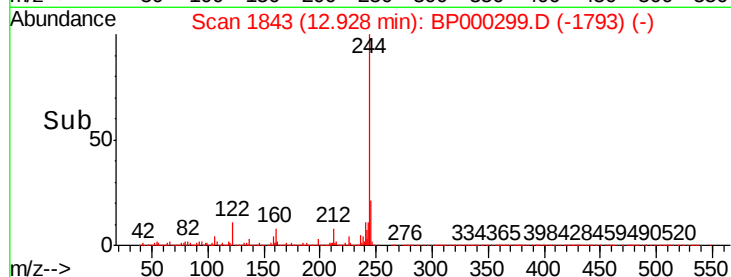
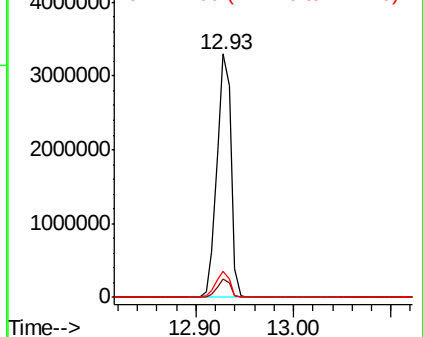
122 10.9 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BP000299.D

Acq: 18 Sep 2019 16:01

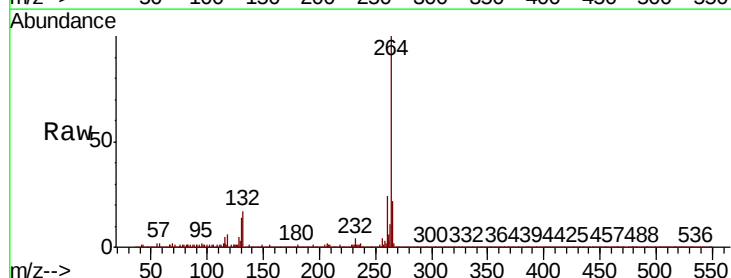
Tgt Ion:264 Resp: 902733

Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 21.6 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

