

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000865.D
 Acq On : 18 Oct 2019 03:53
 Operator : JU
 Sample : K5355-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-33

Manual Integrations
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mohammad
 10/20/2019 8:16:47 PM

Quant Time: Oct 18 08:35:40 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	193244	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	674920	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	353115	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	622304	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	530653	20.00	ng	-0.01
87) Perylene-d12	15.46	264	577578	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	935729	77.84	ng	-0.02
7) Phenol-d6	6.39	99	1175168	81.12	ng	-0.02
23) Nitrobenzene-d5	7.31	82	652353	59.03	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	306301	81.40	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1288637	59.05	ng	-0.02
79) Terphenyl-d14	12.90	244	1389780	53.03	ng	-0.01
Target Compounds						
10) Phenol	6.40	94	43837	2.955	ng	98
50) Dimethylphthalate	9.51	163	181885	7.413	ng	100
71) Phenanthrene	11.32	178	319315	10.217	ng	99
72) Anthracene	11.37	178	137034	4.422	ng	99
75) Fluoranthene	12.52	202	587957	16.750	ng	100
78) Pyrene	12.75	202	548410	14.984	ng	100
81) Benzo(a)anthracene	13.96	228	294970	9.110	ng	95
83) Chrysene	14.00	228	273331	8.601	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	135773m	3.420	ng	
88) Benzo(b)fluoranthene	15.03	252	374320m	11.424	ng	
89) Benzo(k)fluoranthene	15.05	252	82741m	2.652	ng	
90) Benzo(a)pyrene	15.39	252	245800	8.047	ng	94
92) Benzo(a,h,i)perylene	17.37	276	129771	4.311	ng	97

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

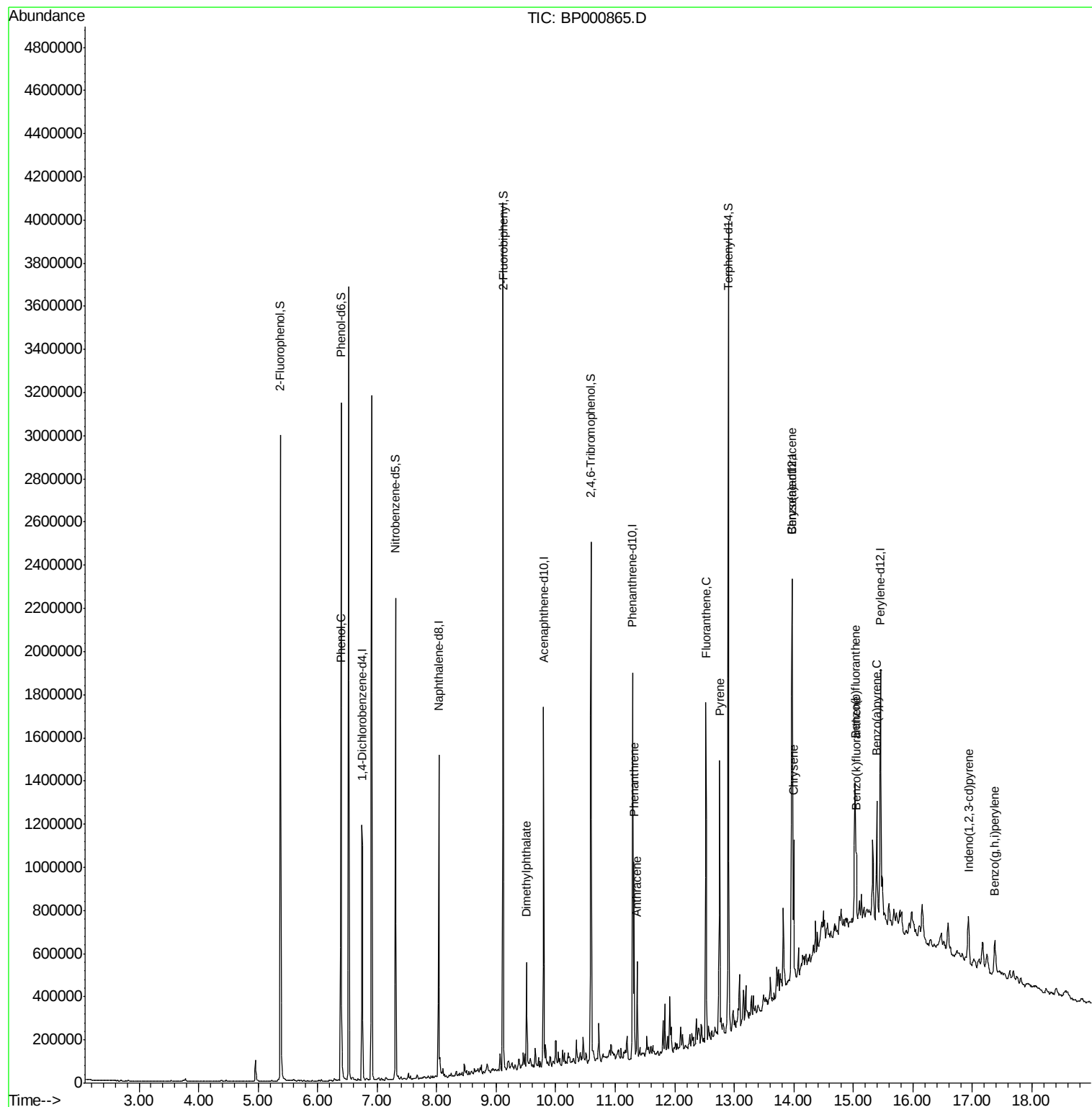
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000865.D
Acq On : 18 Oct 2019 03:53
Operator : JU
Sample : K5355-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

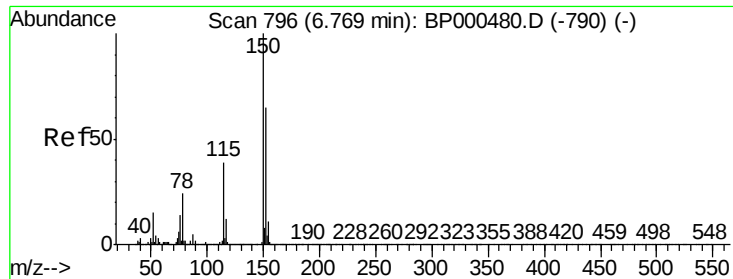
Instrument :
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#1

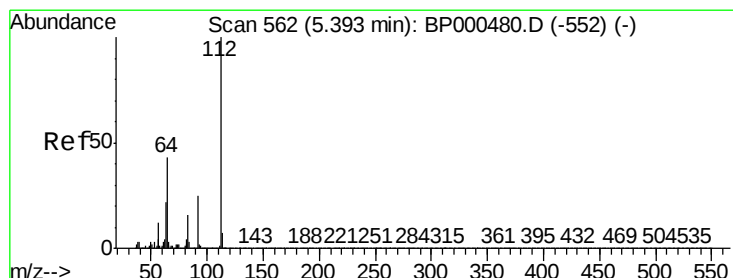
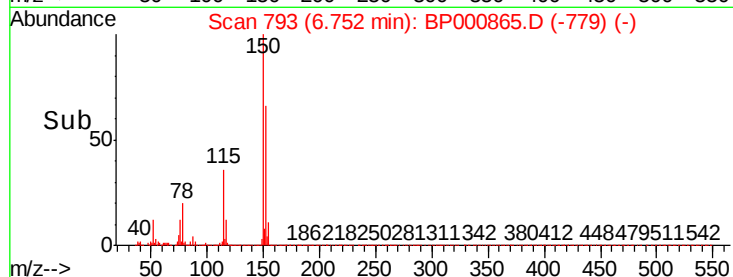
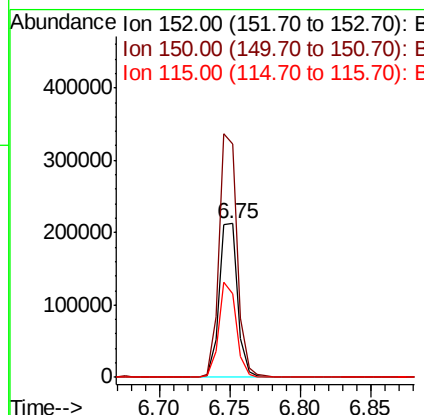
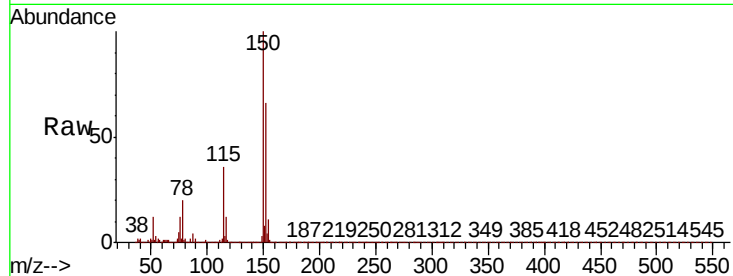
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:53

Instrument :
BNA_P
ClientSampleId :
COMP-33

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	124.1	186.1
115	54.9	48.7	73.1

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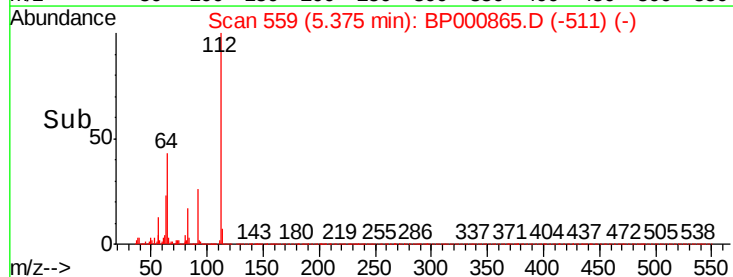
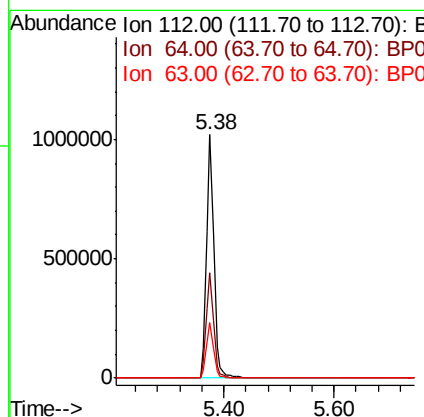
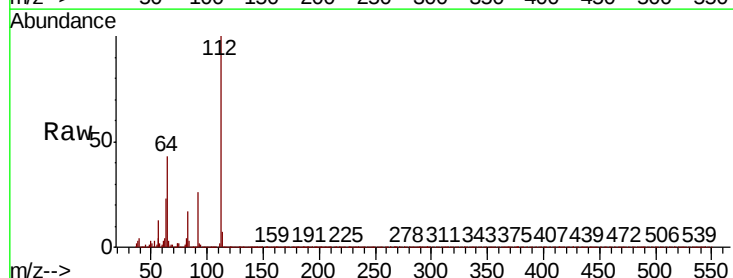
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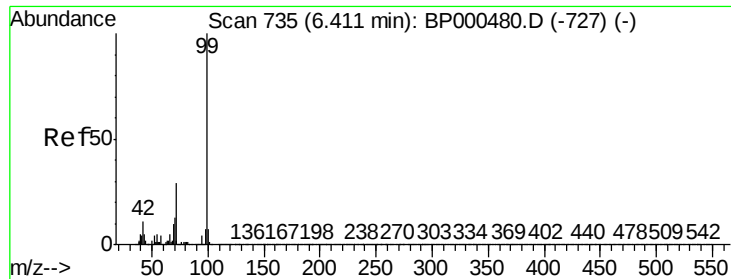


#5

2-Fluorophenol
Concen: 77.836 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.3	34.2	51.4
63	22.6	17.9	26.9





#7

Phenol-d6

Concen: 81.120 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:53

Instrument :

BNA_P

ClientSampleId :

COMP-33

Tot Ion: 99 Resp: 1175168

Ion Ratio Lower Upper

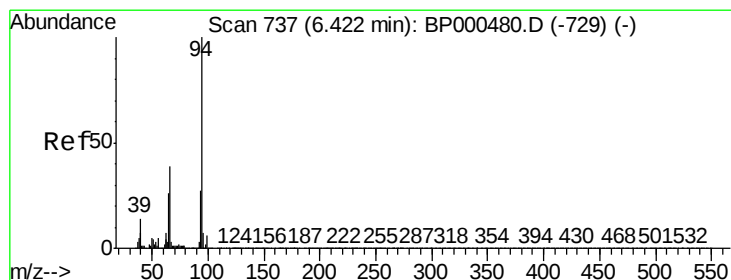
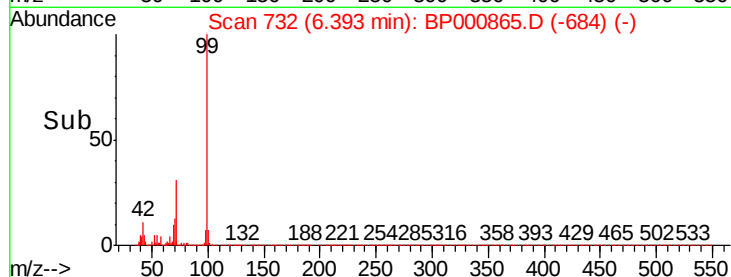
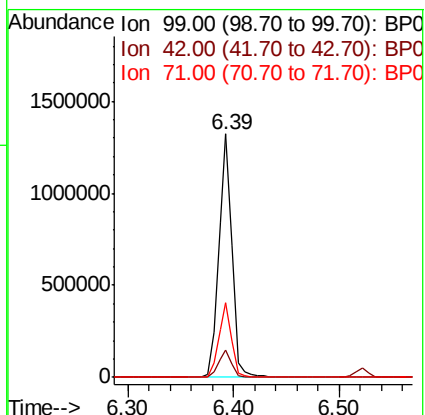
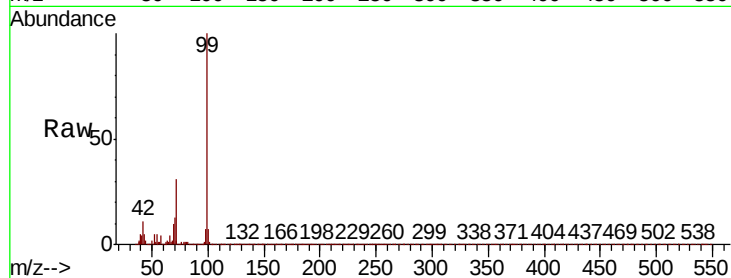
99 100

42 11.2 8.6 12.8

71 30.9 23.0 34.4

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#10

Phenol

Concen: 2.955 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:53

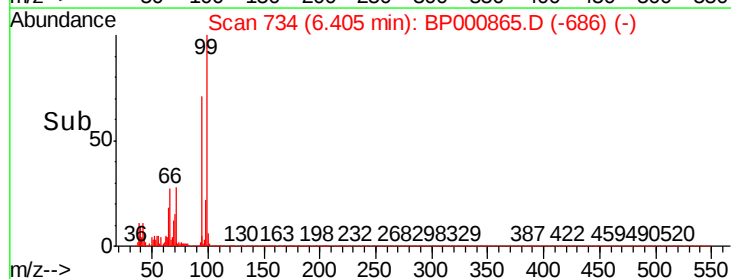
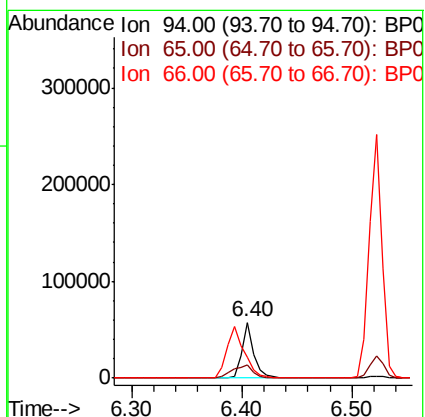
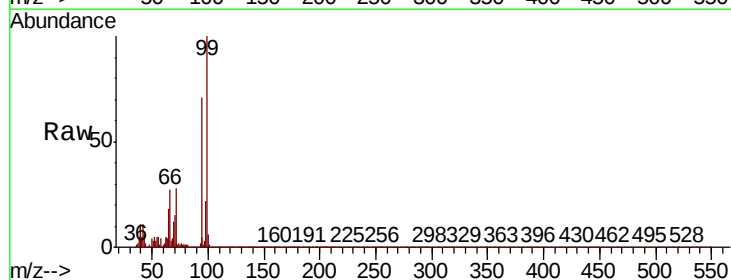
Tgt Ion: 94 Resp: 43837

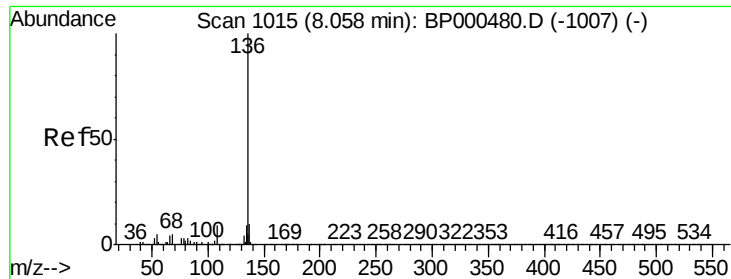
Ion Ratio Lower Upper

94 100

65 24.7 5.9 45.9

66 37.6 18.8 58.8





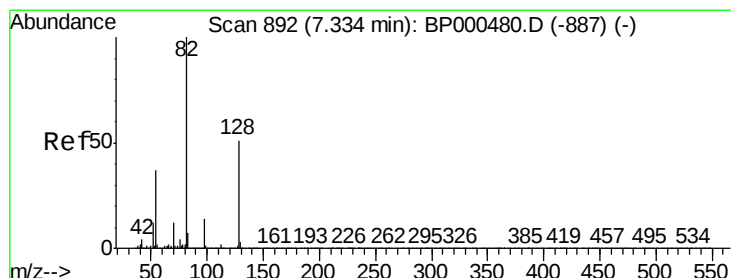
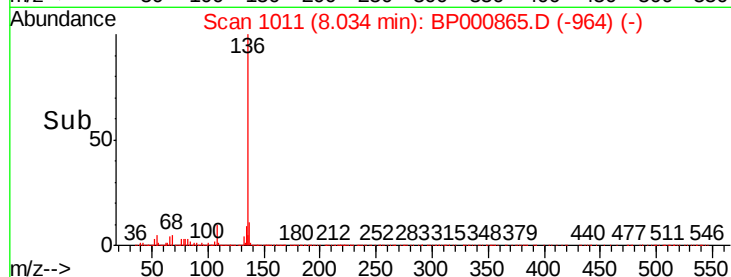
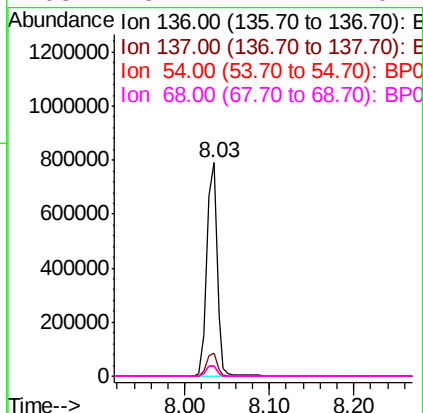
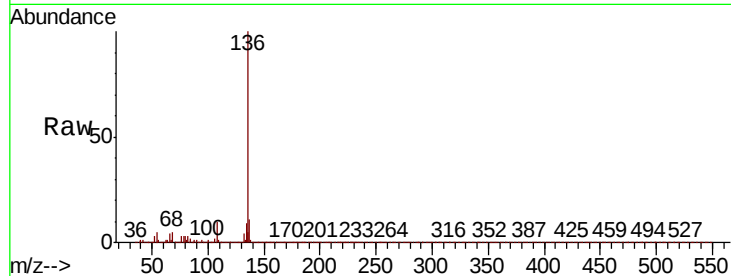
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:53

Instrument :
BNA_P
ClientSampleId :
COMP-33

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		674920		
137	10.7	8.2	12.4		
54	4.9	4.1	6.1		
68	5.1	4.1	6.1		

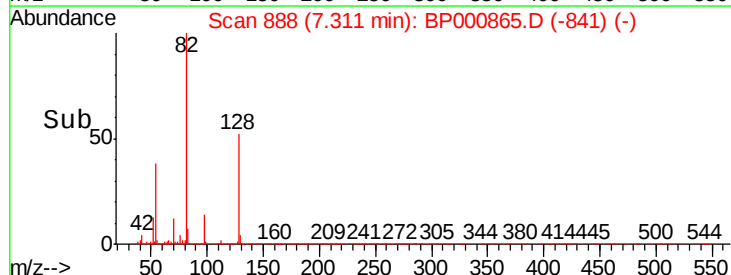
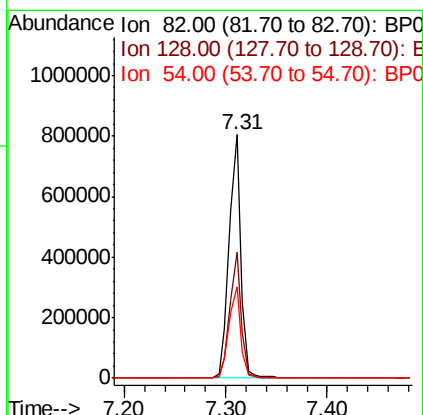
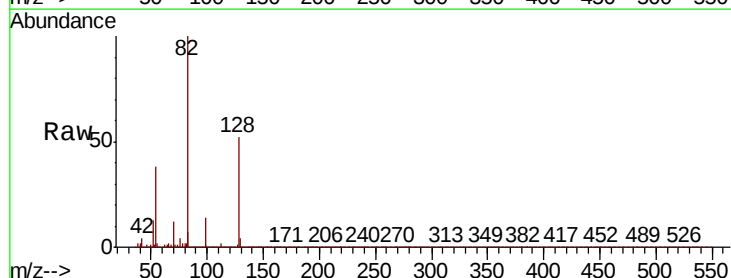
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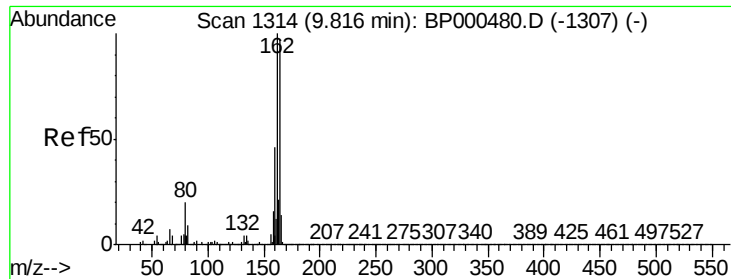
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#23
Nitrobenzene-d5
Concen: 59.033 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		652353		
128	51.9	40.9	61.3		
54	37.5	29.4	44.2		





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:53

Instrument :

BNA_P

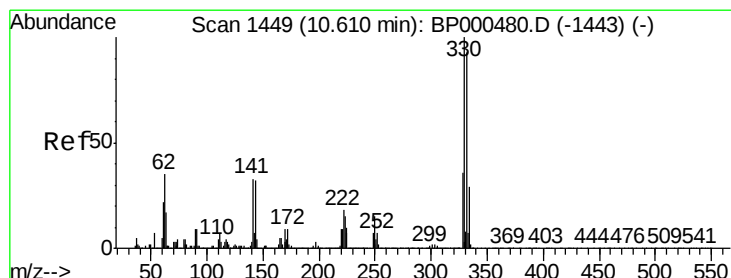
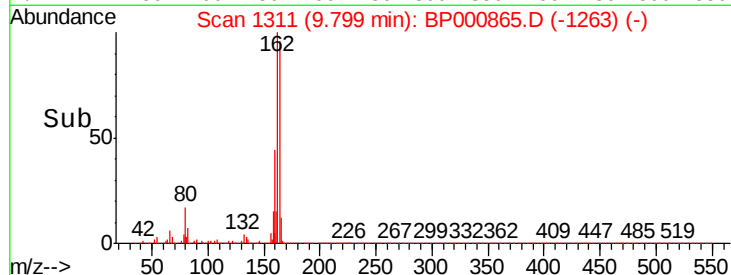
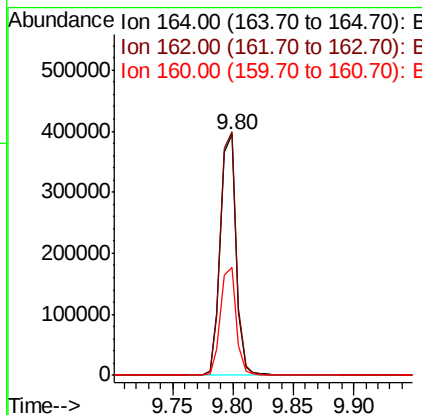
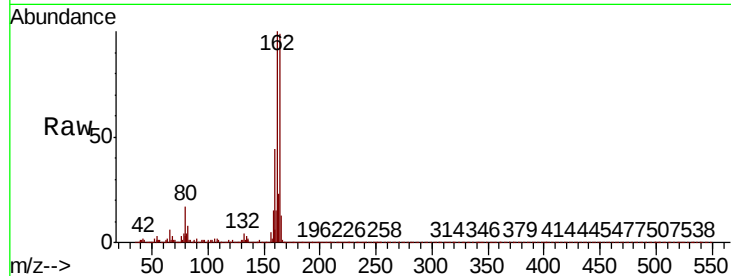
ClientSampled :

COMP-33

Tot Ion:	164	Resp:	353115
Ion Ratio	Lower	Upper	
164	100		
162	101.2	82.2	123.2
160	45.0	37.6	56.4

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#42

2,4,6-Tribromophenol

Concen: 81.401 ng

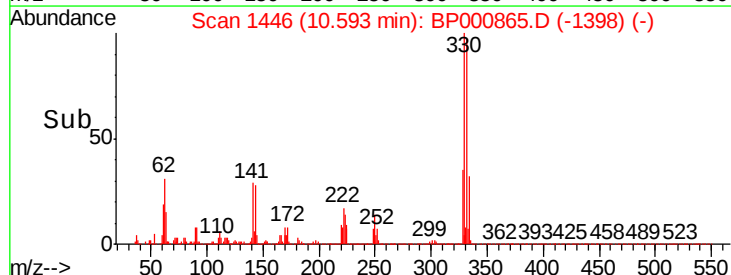
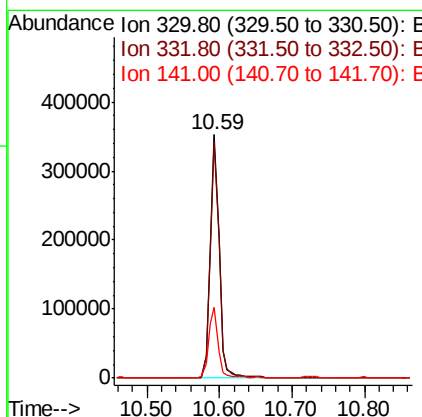
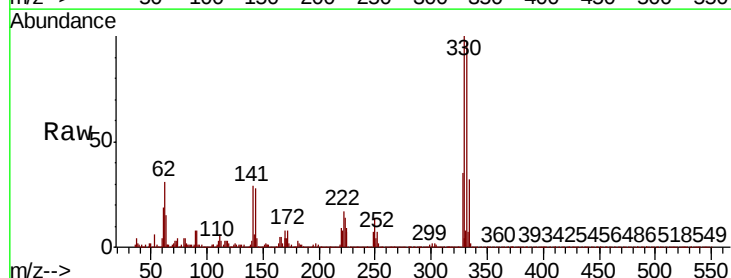
RT: 10.59 min Scan# 1446

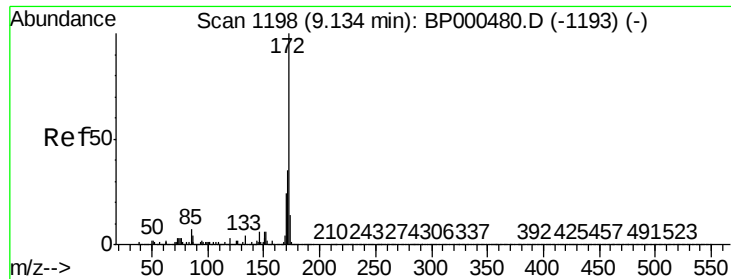
Delta R.T. -0.02 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:53

Tgt Ion:	330	Resp:	306301
Ion Ratio	Lower	Upper	
330	100		
332	97.7	77.1	115.7
141	29.7	26.0	39.0





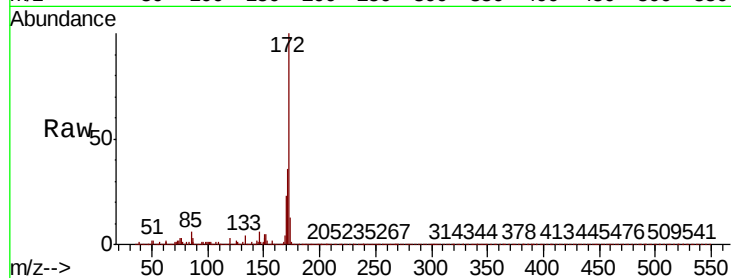
#45
2-Fluorobiphenyl
Concen: 59.046 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:53

Instrument :
BNA_P
ClientSampleId :
COMP-33

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.4	42.6
170	23.4	19.1	28.7

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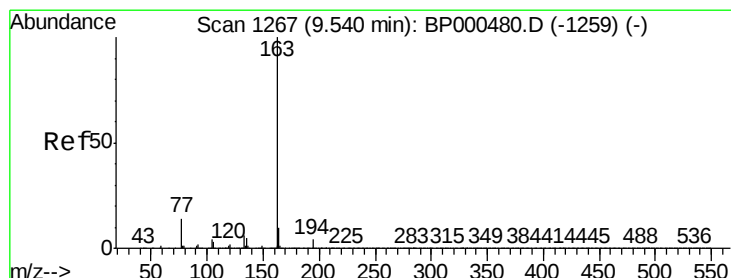
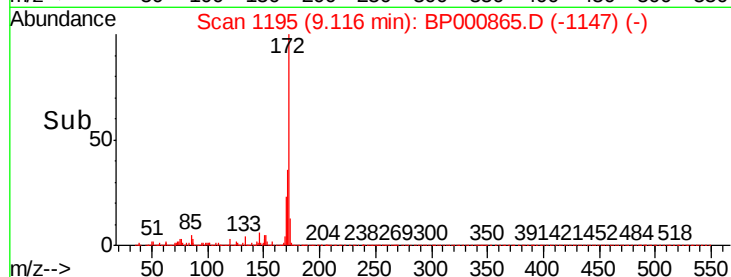
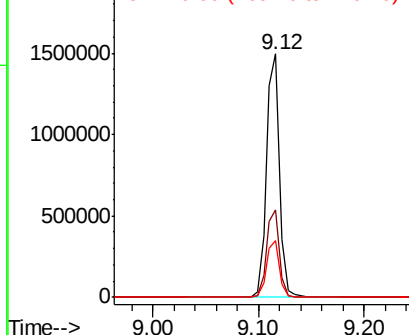


Abundance

Ion 172.00 (171.70 to 172.70): E

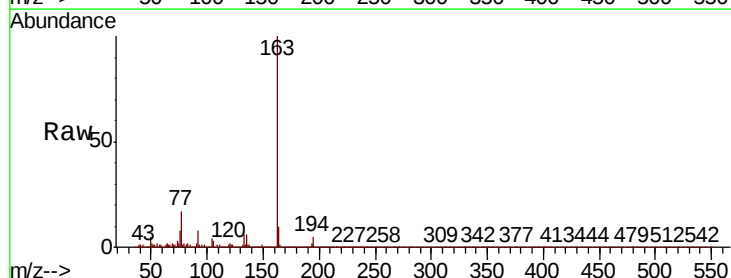
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 7.413 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.0	8.0	12.0

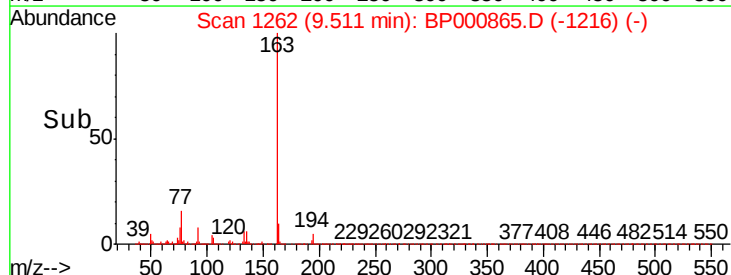
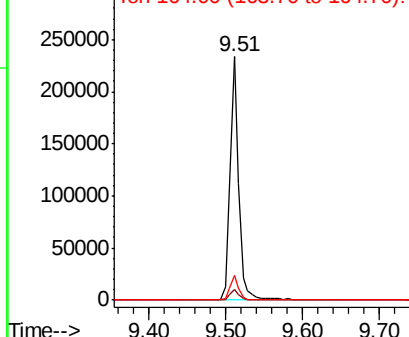


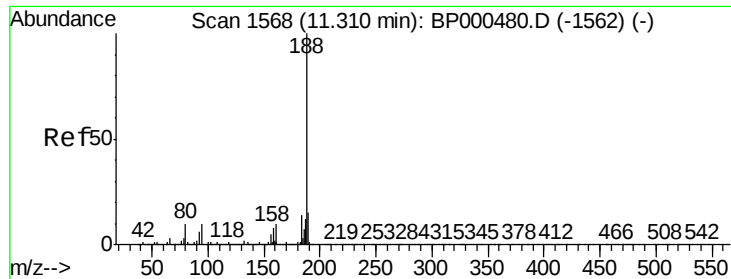
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.02 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:53

Instrument :

BNA_P

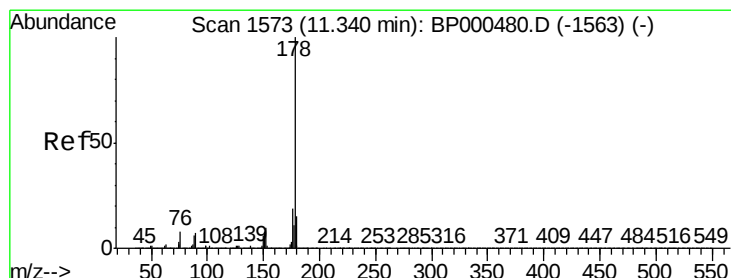
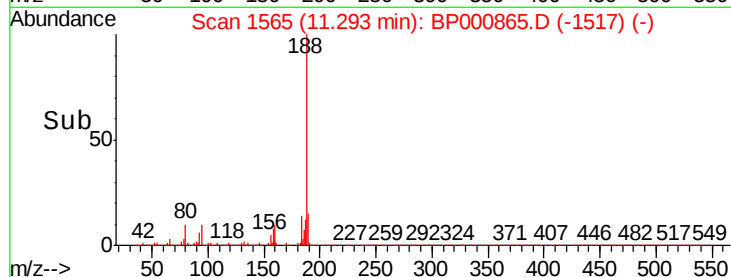
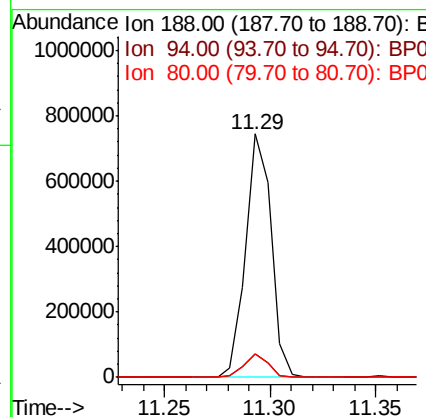
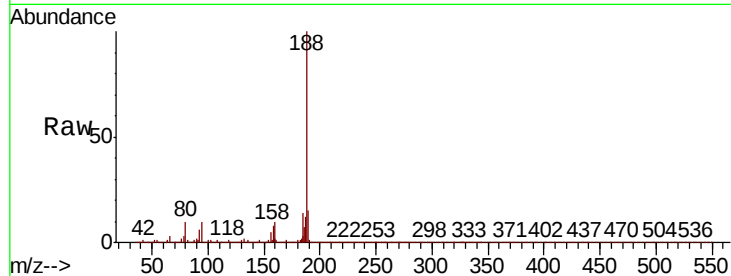
ClientSampleId :

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Tot Ion:	188	Resp:	622304
Ion Ratio	Lower	Upper	
188	100		
94	9.8	8.2	12.2
80	9.8	8.3	12.5

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#71

Phenanthrene

Concen: 10.217 ng

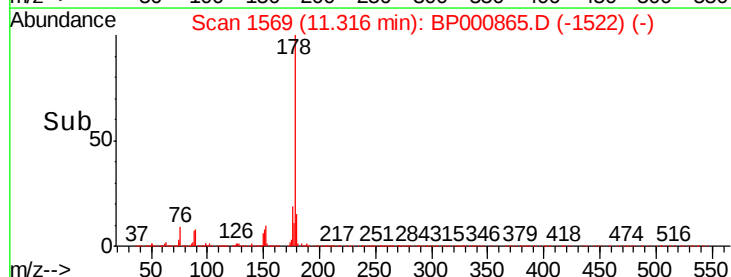
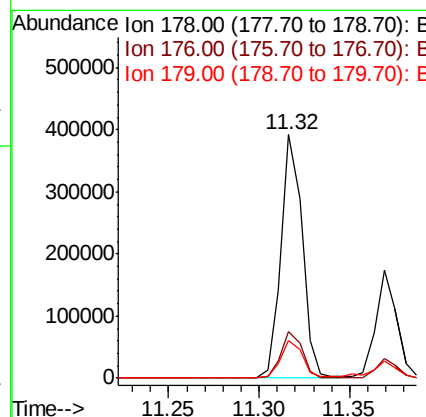
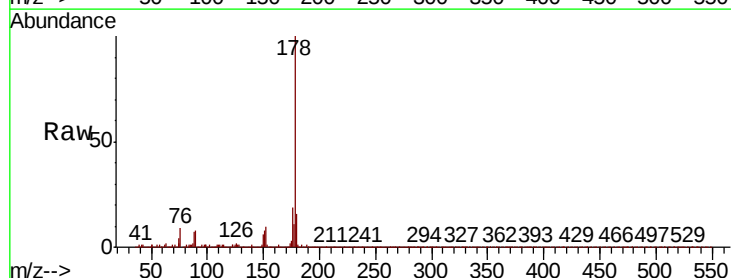
RT: 11.32 min Scan# 1569

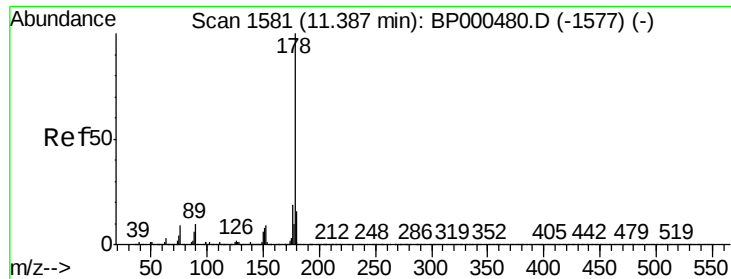
Delta R.T. -0.02 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:53

Tgt Ion:	178	Resp:	319315
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.4	23.2
179	15.7	12.2	18.4





#72

Anthracene

Concen: 4.422 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:53

Instrument :

BNA_P

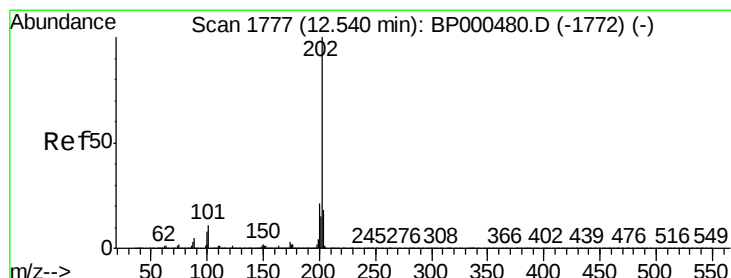
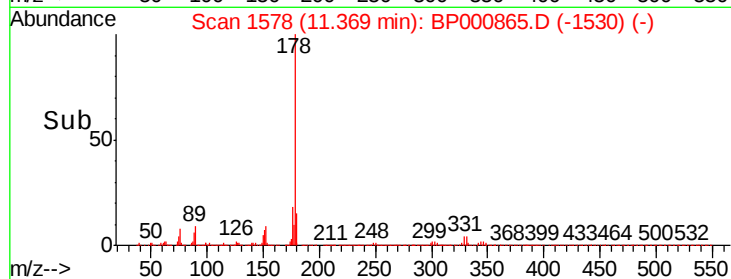
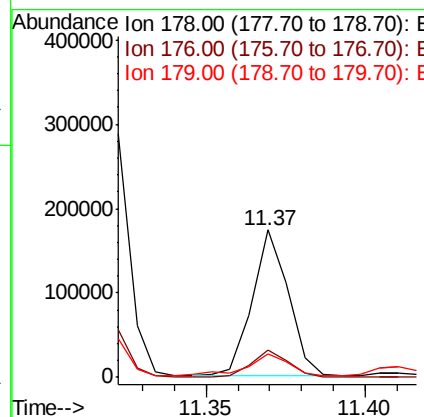
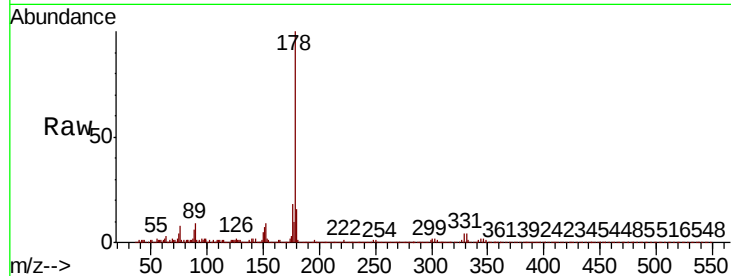
ClientSampleId :

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Tot Ion:	178	Resp:	137034
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.4	23.0
179	15.7	12.6	19.0

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#75

Fluoranthene

Concen: 16.750 ng

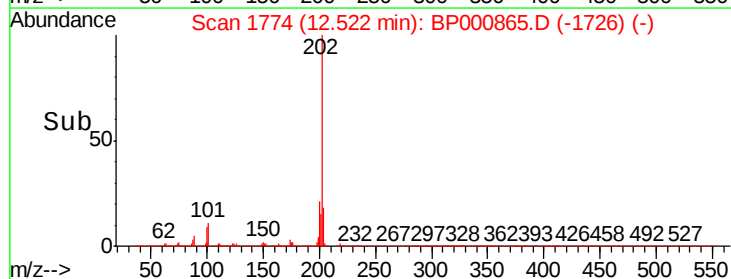
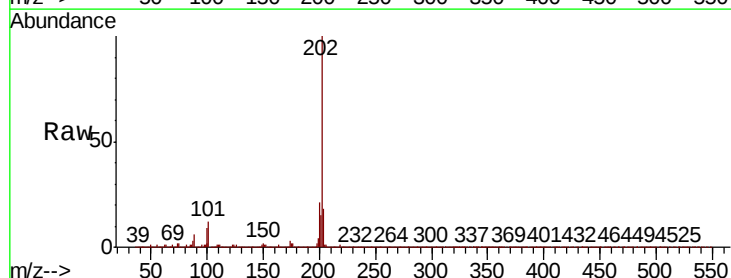
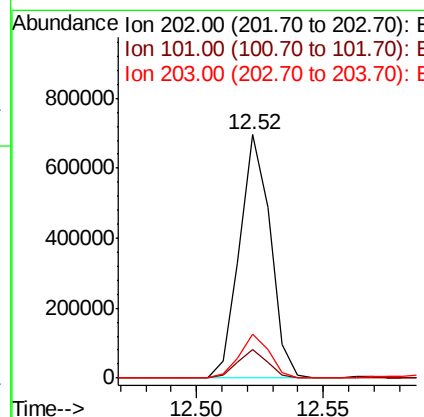
RT: 12.52 min Scan# 1774

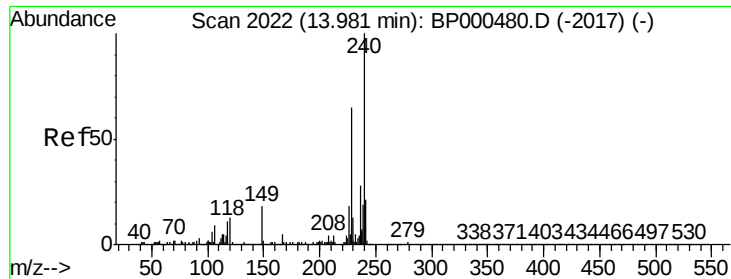
Delta R.T. -0.02 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:53

Tgt Ion:	202	Resp:	587957
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.3
203	18.1	0.0	38.1





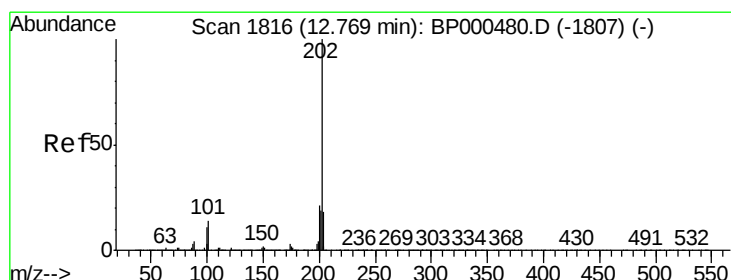
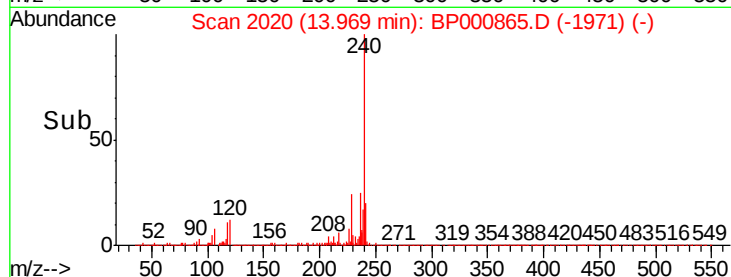
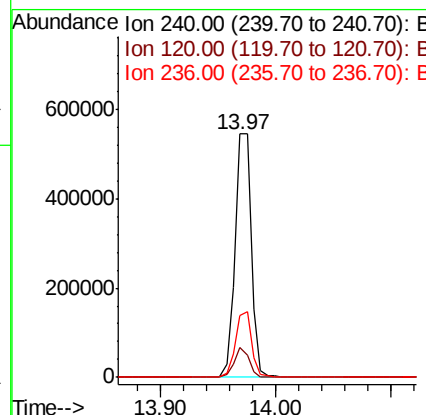
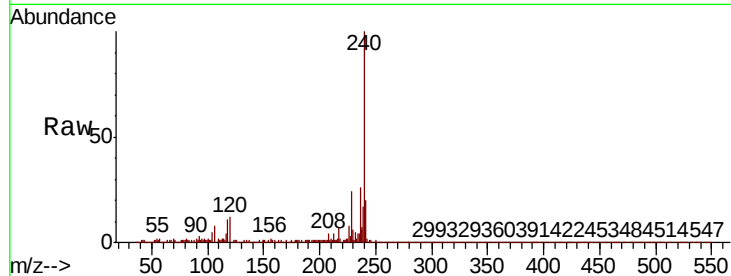
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:53

Instrument :
BNA_P
ClientSampleId :
COMP-33

Tot Ion	Ratio	Resp	Lower	Upper
240	100	530653		
120	12.1	10.1	15.1	
236	25.6	22.7	34.1	

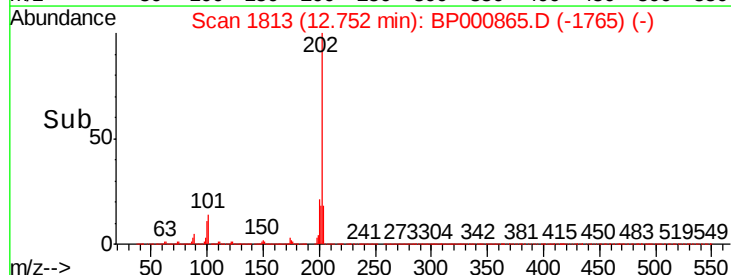
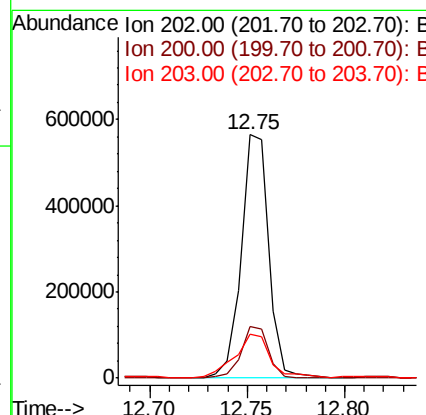
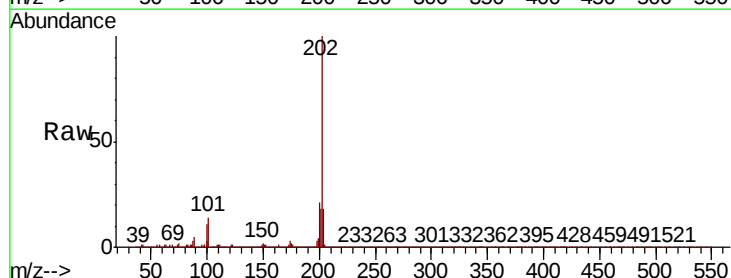
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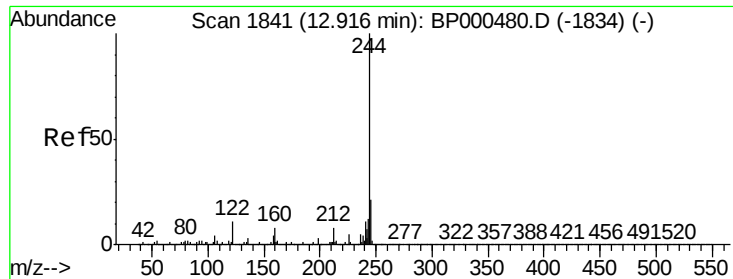
mohammad
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#78
Pyrene
Concen: 14.984 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:53

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	548410		
200	21.2	17.1	25.7	
203	18.2	14.6	21.8	





#79

Terphenyl-d14

Concen: 53.028 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:53

Instrument :

BNA_P

ClientSampleId :

COMP-33

Tot Ion:244 Resp: 1389780

Ion Ratio Lower Upper

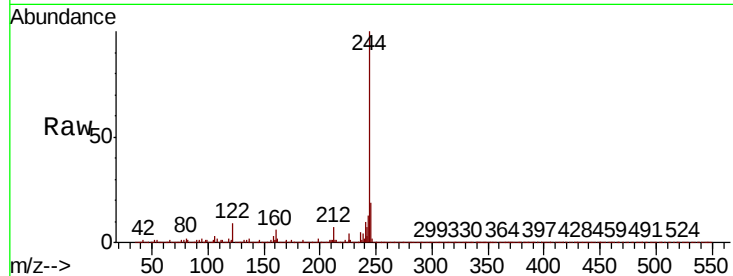
244 100

212 6.7 6.0 9.0

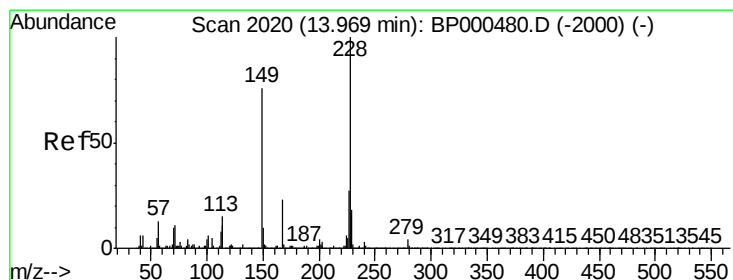
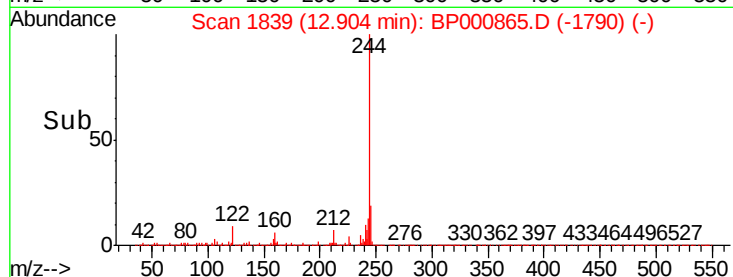
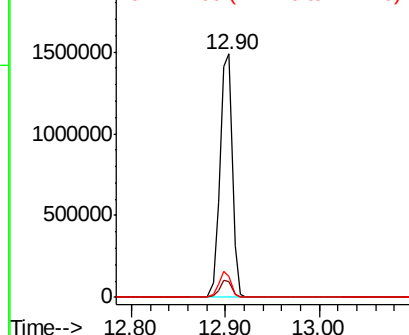
122 8.8 8.9 13.3#

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Abundance Ion 244.00 (243.70 to 244.70): E
2000000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 9.110 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:53

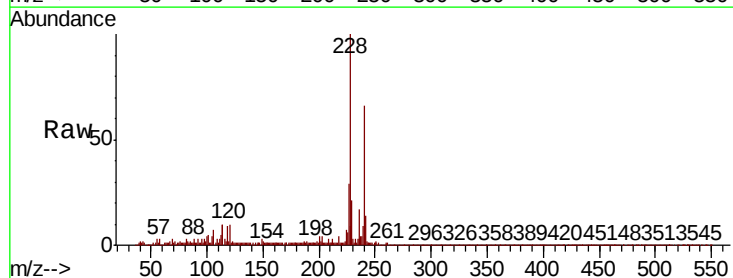
Tgt Ion:228 Resp: 294970

Ion Ratio Lower Upper

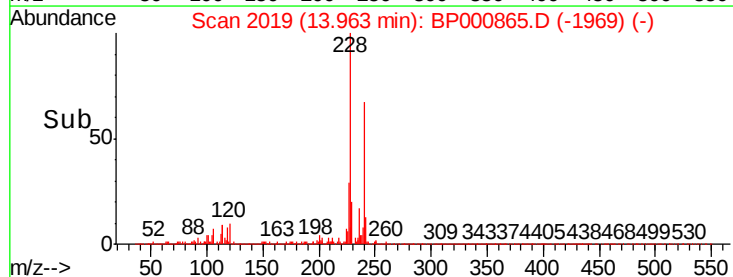
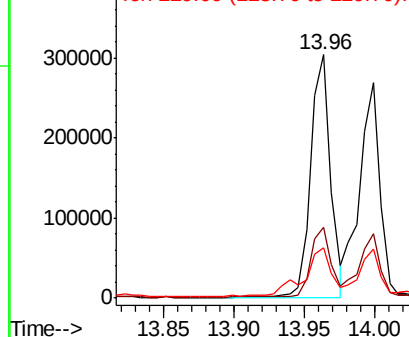
228 100

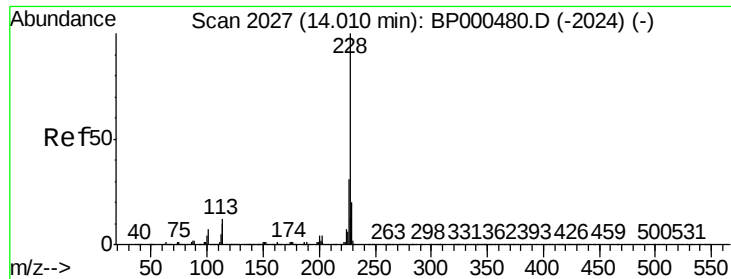
226 29.2 21.4 32.2

229 20.9 14.7 22.1



Abundance Ion 228.00 (227.70 to 228.70): E
400000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





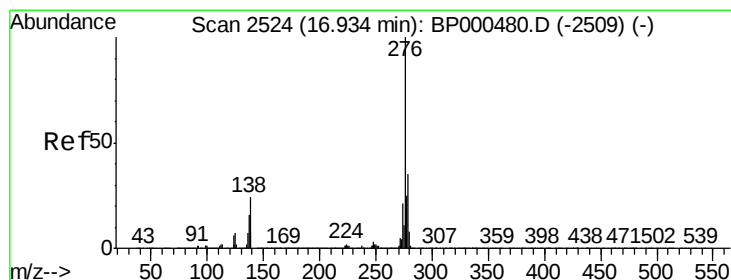
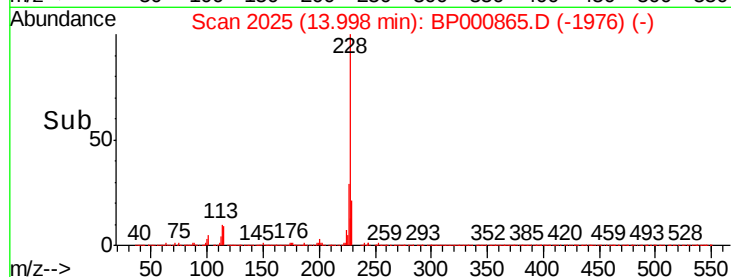
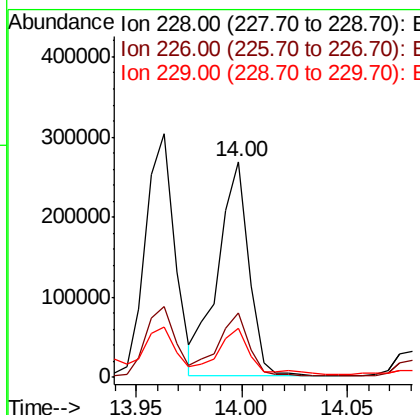
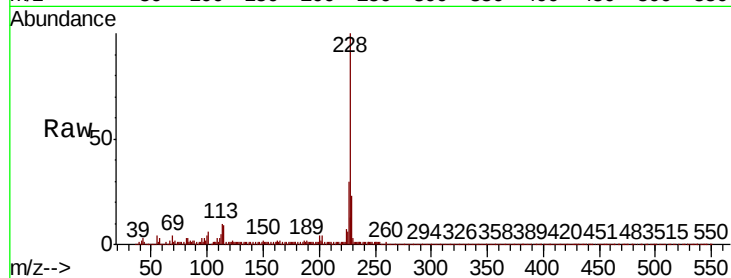
#83
Chrysene
Concen: 8.601 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:53

Instrument :
BNA_P
ClientSampleId :
COMP-33

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.7	37.1
229	22.7	16.3	24.5

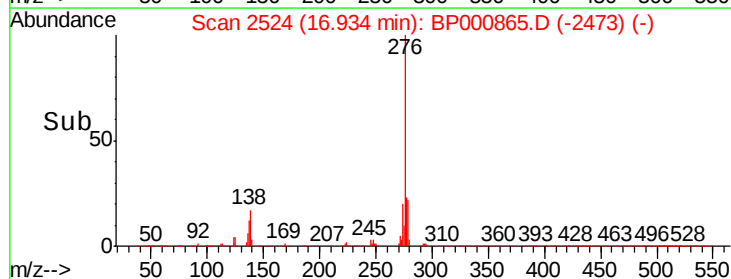
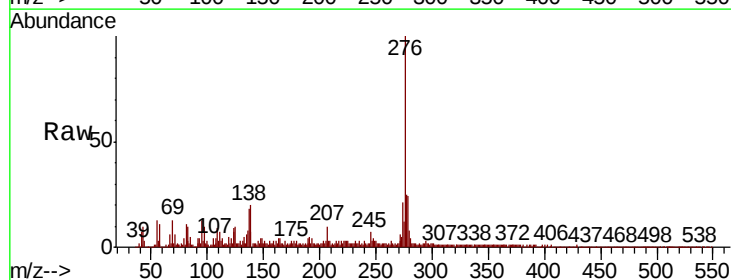
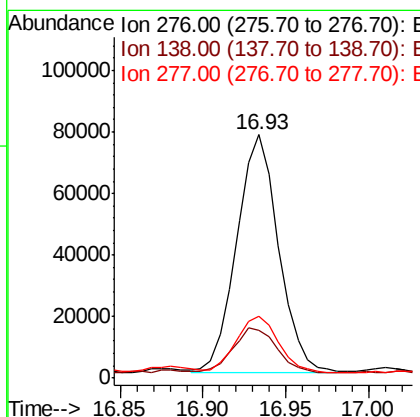
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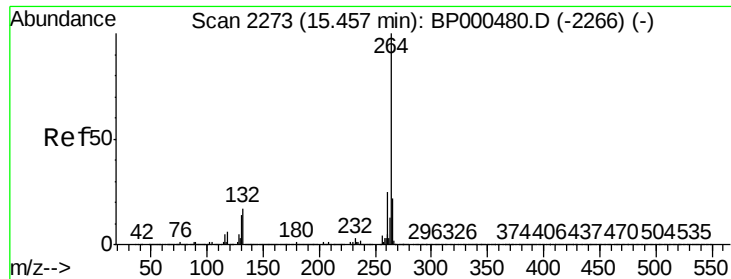
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.420 ng m
RT: 16.93 min Scan# 2524
Delta R.T. 0.00 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.1	20.9	31.3#
277	4.5	20.6	30.8#





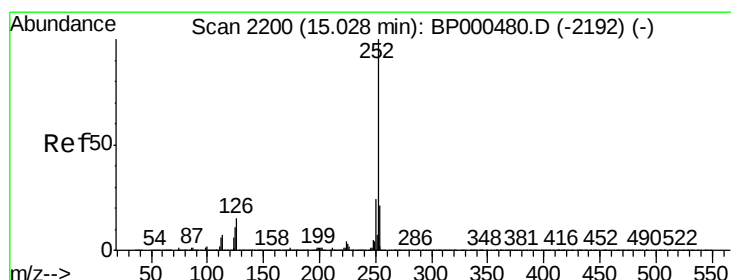
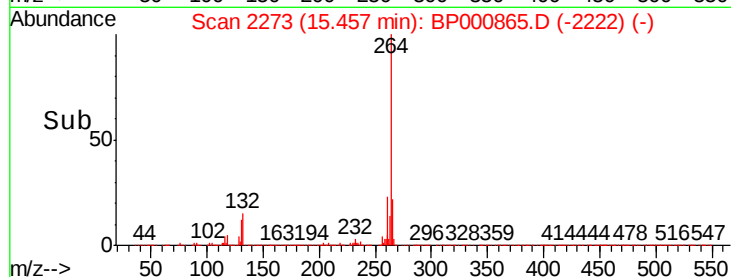
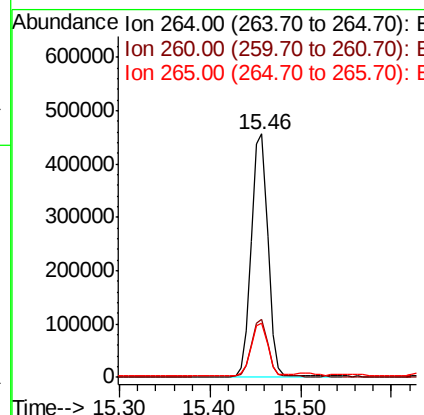
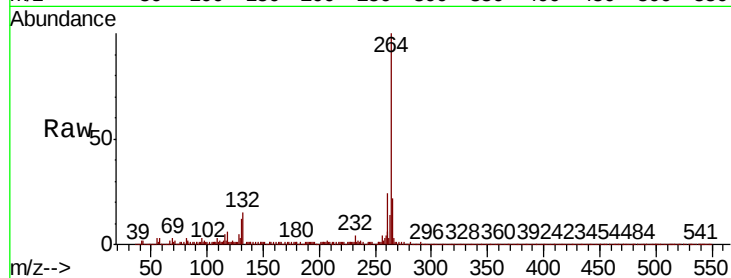
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:53

Instrument :
BNA_P
ClientSampleId :
COMP-33

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	20.3	30.5
265	22.0	18.0	27.0

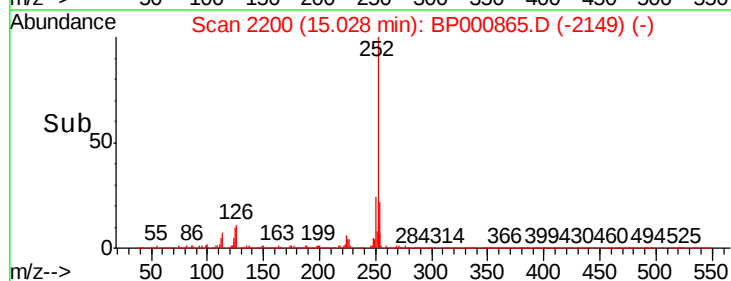
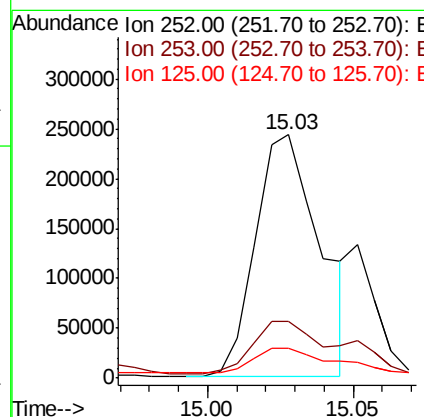
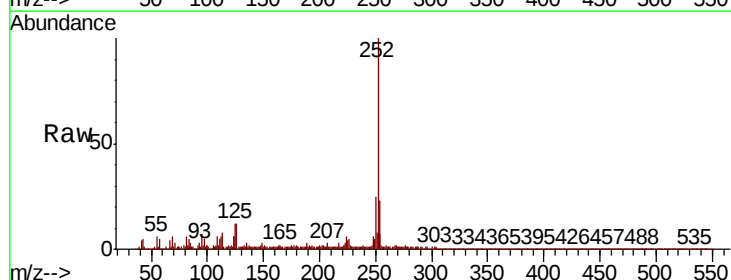
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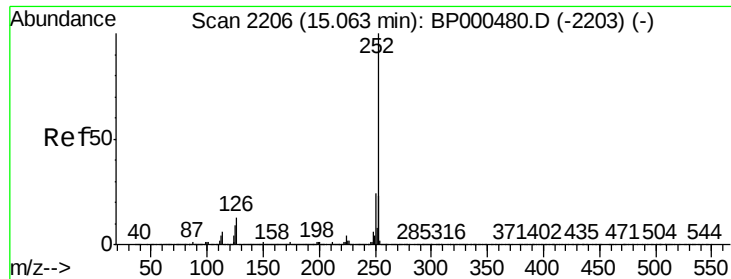
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#88
Benzo(b)fluoranthene
Concen: 11.424 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BP000865.D
Acq: 18 Oct 2019 03:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.4
125	12.0	8.9	13.3





#89

Benzo(k)fluoranthene

Concen: 2.652 ng/mL

RT: 15.05 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:53

Instrument :

BNA_P

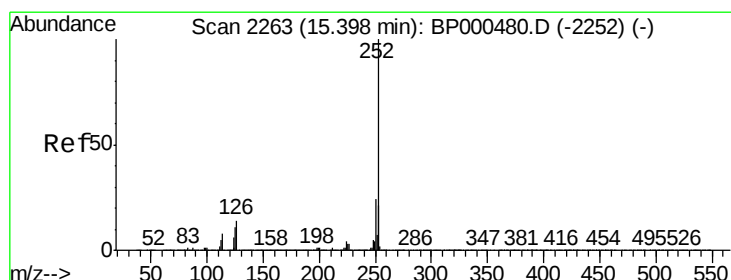
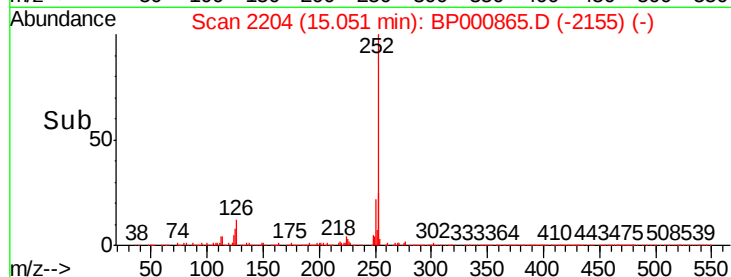
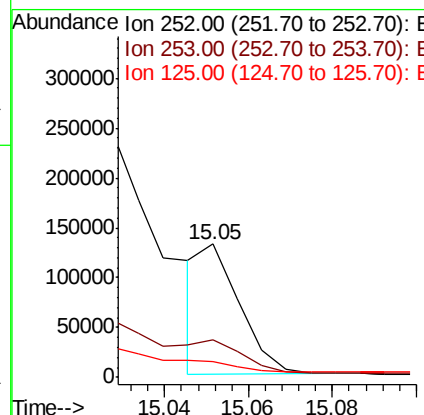
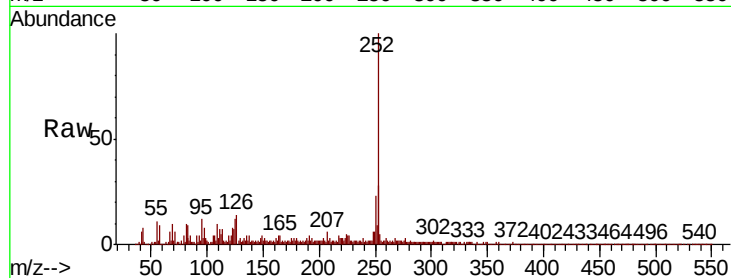
ClientSampleId :

COMP-33

Tot Ion:	252	Resp:	82741
Ion Ratio	Lower	Upper	
252	100		
253	28.0	18.4	27.6#
125	11.9	7.8	11.8#

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 8.047 ng/mL

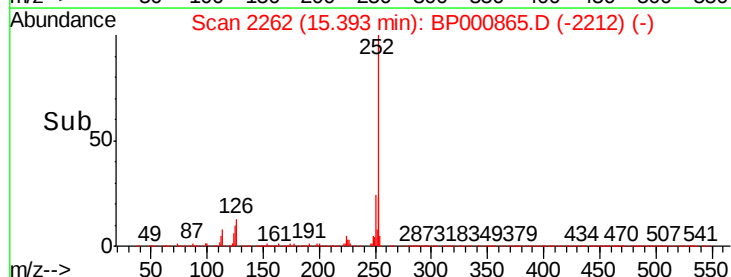
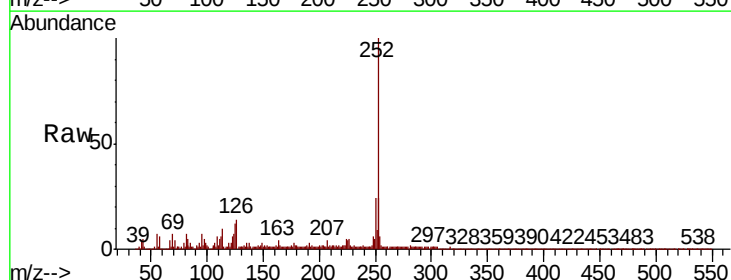
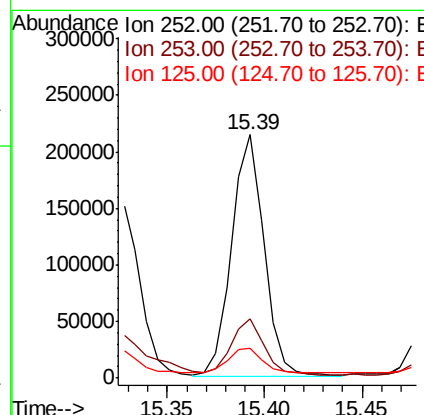
RT: 15.39 min Scan# 2262

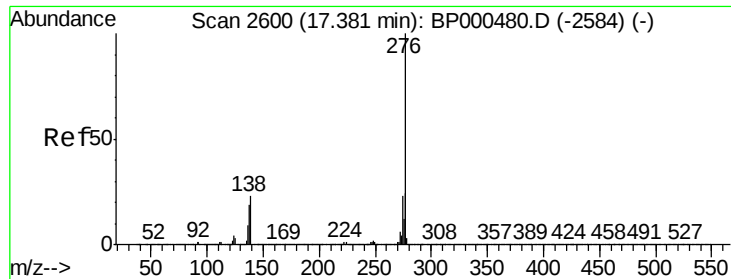
Delta R.T. -0.01 min

Lab File: BP000865.D

Acq: 18 Oct 2019 03:53

Tgt Ion:	252	Resp:	245800
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.0	25.6
125	12.2	8.4	12.6





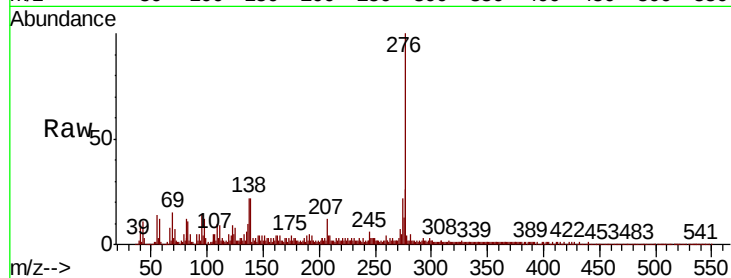
#92
 Benzo(a,h,i)perylene
 Concen: 4.311 ng
 RT: 17.37 min Scan# 2599
 Delta R.T. -0.01 min
 Lab File: BP000865.D
 Acq: 18 Oct 2019 03:53

Instrument :
 BNA_P
 ClientSampleId :
 COMP-33

Tot Ion:	276	Resp:	129771
Ion Ratio	Lower	Upper	
276	100		
277	25.9	19.4	29.2
138	21.7	18.5	27.7

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

