

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000877.D
 Acq On : 18 Oct 2019 15:49
 Operator : JU
 Sample : K5393-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 T-6-D1-D3-(0-46)

Manual Integrations
 APPROVED

mohammad
 10/22/2019 1:39:08 AM

Quant Time: Oct 18 16:53:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 16:40:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	173435	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	628163	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	350294	20.00	ng	0.00
64) Phenanthrene-d10	11.28	188	614832	20.00	ng	0.00
76) Chrysene-d12	13.96	240	504503	20.00	ng	0.00
87) Perylene-d12	15.43	264	583377	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	936298	86.78	ng	0.00
7) Phenol-d6	6.39	99	1203406	92.56	ng	0.00
23) Nitrobenzene-d5	7.30	82	663839	64.54	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	379694	101.72	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1438513	66.44	ng	0.00
79) Terphenyl-d14	12.89	244	1542309	61.90	ng	0.00
Target Compounds						
10) Phenol	6.40	94	49834	3.744	ng	79
22) Acetophenone	7.15	105	97941	6.748	ng	# 97
50) Dimethylphthalate	9.50	163	297381	12.218	ng	100
71) Phenanthrene	11.31	178	670418	21.712	ng	99
72) Anthracene	11.36	178	138999	4.540	ng	100
75) Fluoranthene	12.51	202	977327	28.181	ng	100
78) Pyrene	12.75	202	918822	26.406	ng	99
81) Benzo(a)anthracene	13.95	228	491878	15.979	ng	98
83) Chrysene	13.99	228	456756	15.118	ng	97
84) Bis(2-ethylhexyl)phthalate	13.95	149	131243	6.882	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	255323	6.765	ng	96
88) Benzo(b)fluoranthene	15.01	252	603567m	18.237	ng	
89) Benzo(k)fluoranthene	15.03	252	139521m	4.428	ng	
90) Benzo(a)pyrene	15.37	252	400302	12.975	ng	97
91) Dibenzo(a,h)anthracene	16.90	278	72229m	2.414	ng	
92) Benzo(g,h,i)perylene	17.34	276	255900	8.416	ng	99

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

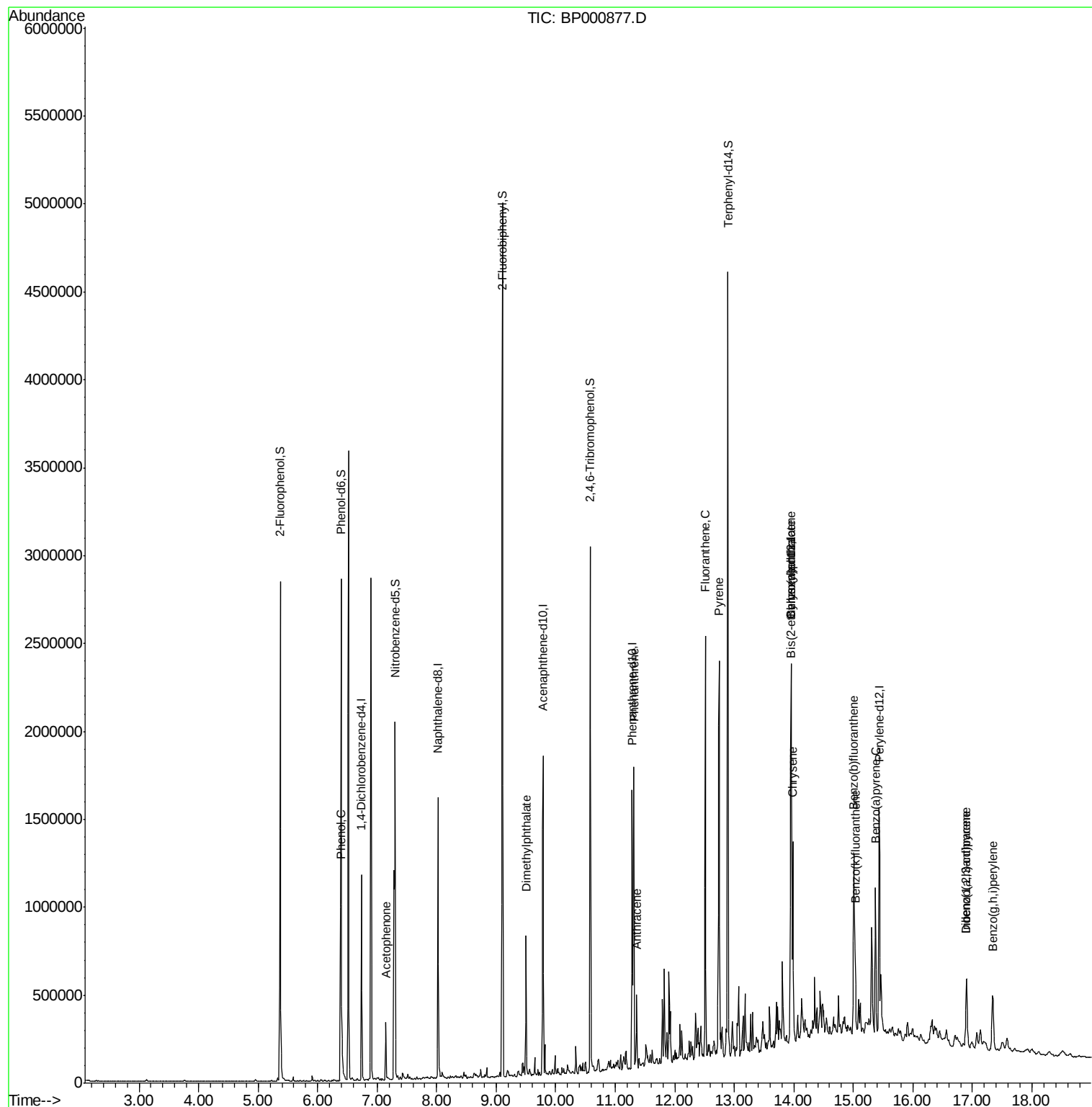
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000877.D
Acq On : 18 Oct 2019 15:49
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Misc :
ALS Vial : 5 Sample Multiplier: 1

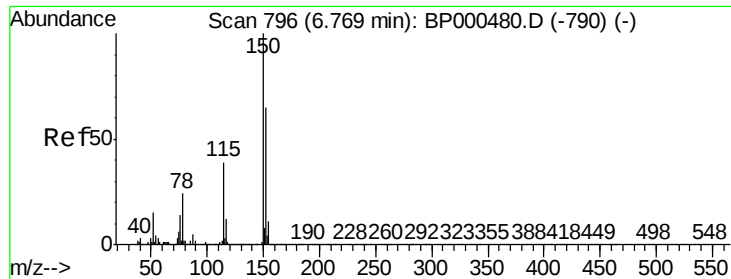
Instrument :
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ClientSampleId :
T-6-D1-D3-(0-46)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

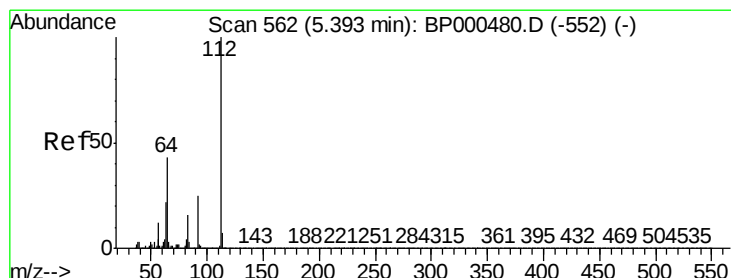
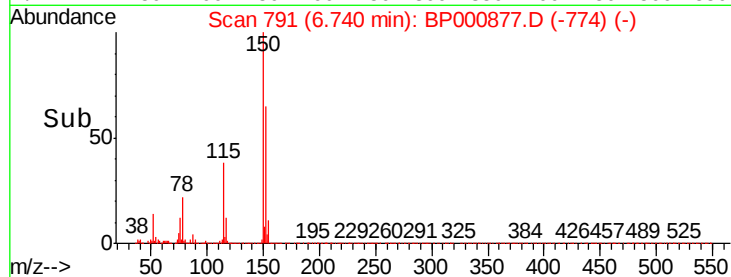
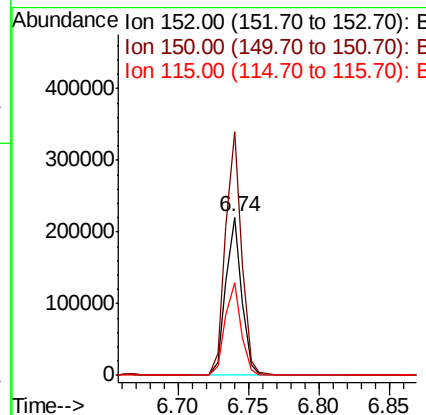
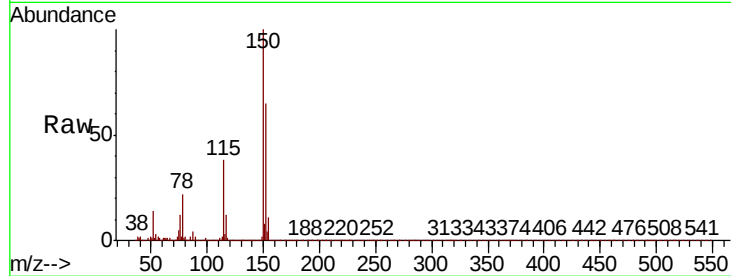
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Instrument :
BNA_P
ClientSampleId :
T-6-D1-D3-(0-46)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	123.8	185.8
115	58.6	46.8	70.2

Manual Integrations
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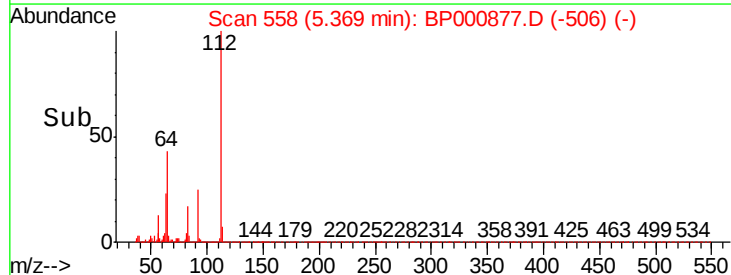
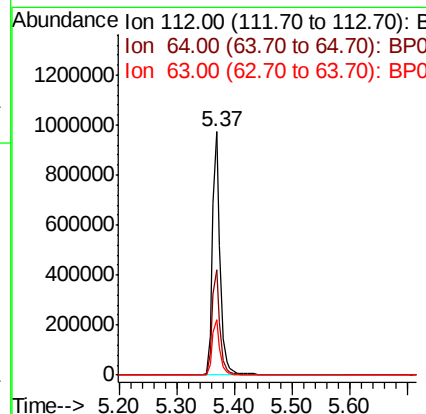
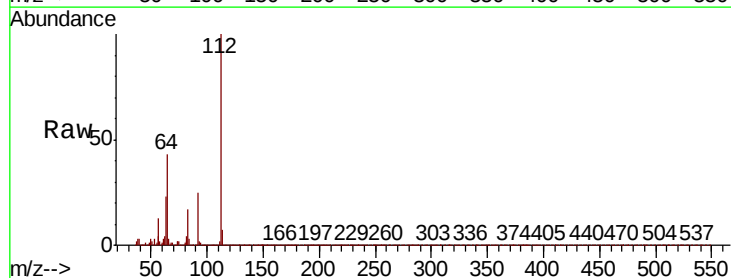
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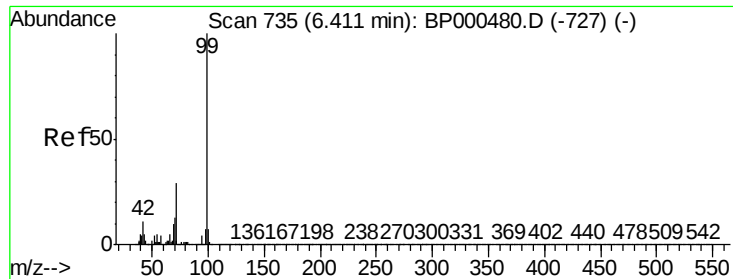


#5

2-Fluorophenol
Concen: 86.779 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.01 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.2	33.9	50.9
63	22.5	17.4	26.0





#7

Phenol-d6

Concen: 92.557 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BP000877.D

Acq: 18 Oct 2019 15:49

Instrument :

BNA_P

ClientSampleId :

T-6-D1-D3-(0-46)

Tot Ion: 99 Resp: 1203406

Ion Ratio Lower Upper

99 100

42 10.8 8.7 13.1

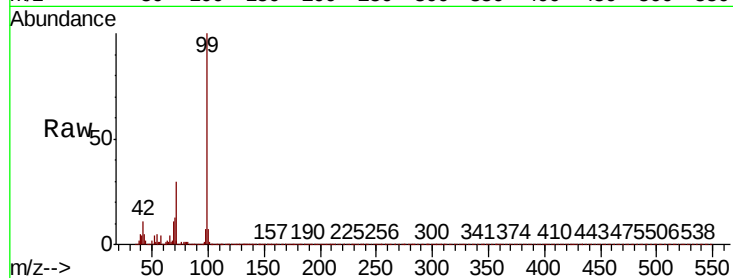
71 30.0 24.1 36.1

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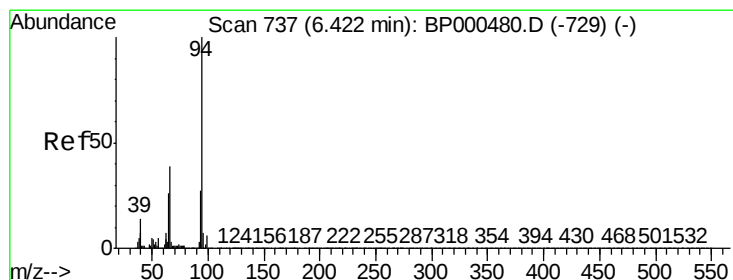
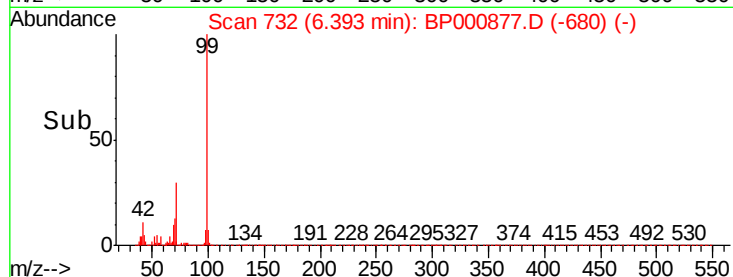
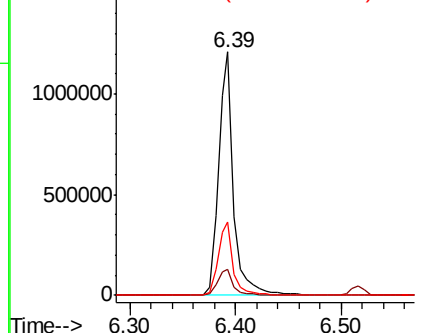
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Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#10

Phenol

Concen: 3.744 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BP000877.D

Acq: 18 Oct 2019 15:49

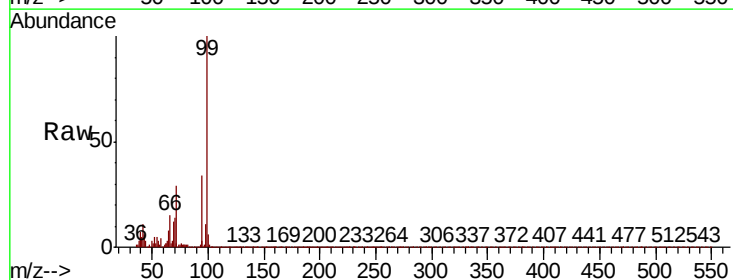
Tgt Ion: 94 Resp: 49834

Ion Ratio Lower Upper

94 100

65 23.6 14.6 54.6

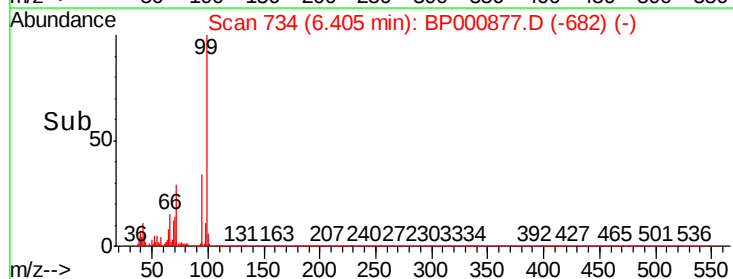
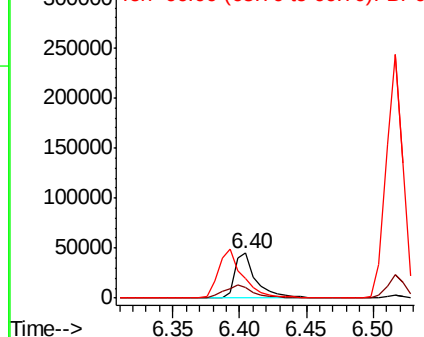
66 43.0 39.2 79.2

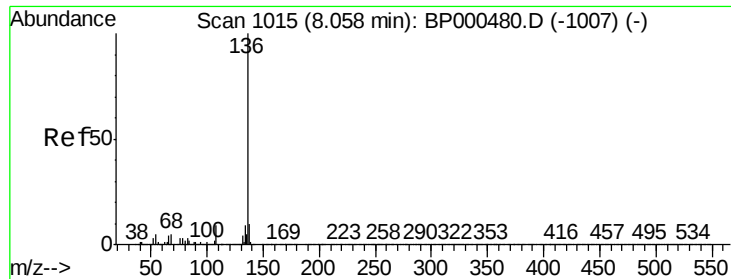


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0





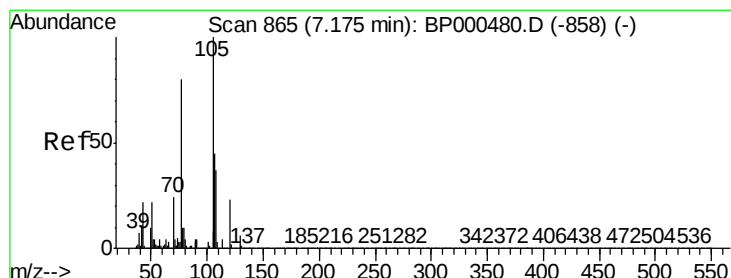
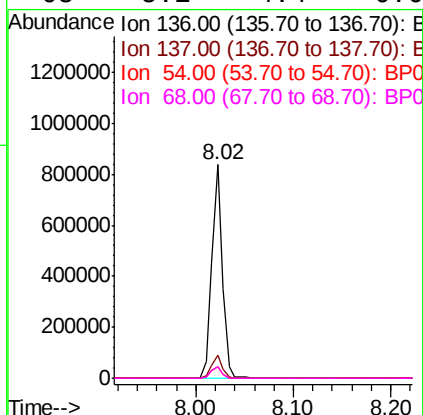
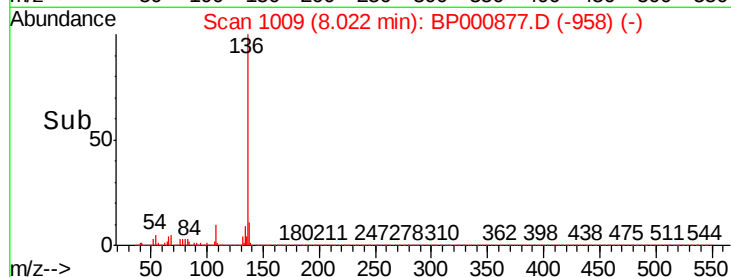
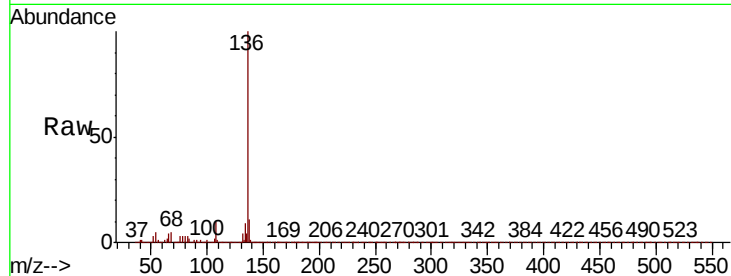
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Instrument :
BNA_P
ClientSampleId :
T-6-D1-D3-(0-46)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	628163		
137	10.9		8.9	13.3
54	5.5		4.6	6.8
68	5.1		4.4	6.6

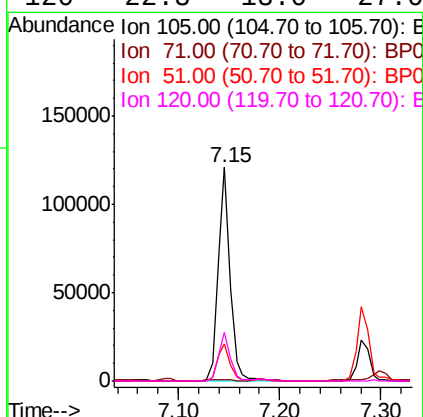
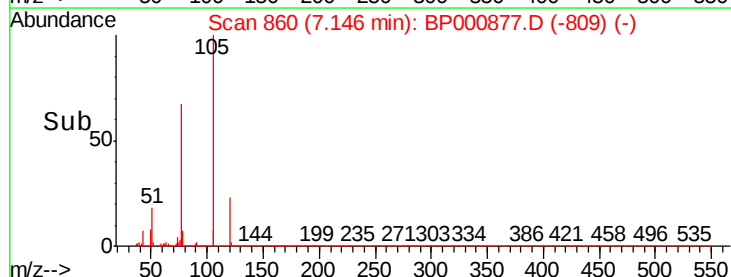
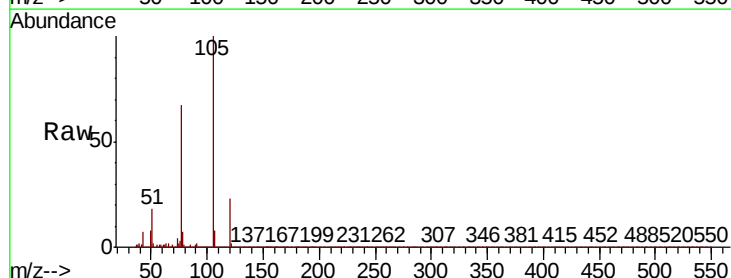
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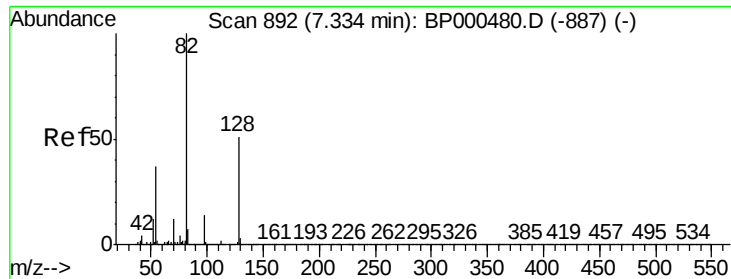
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#22
Acetophenone
Concen: 6.748 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.00 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	97941		
71	0.4		3.3	4.9#
51	17.6		15.7	23.5
120	22.8		18.0	27.0





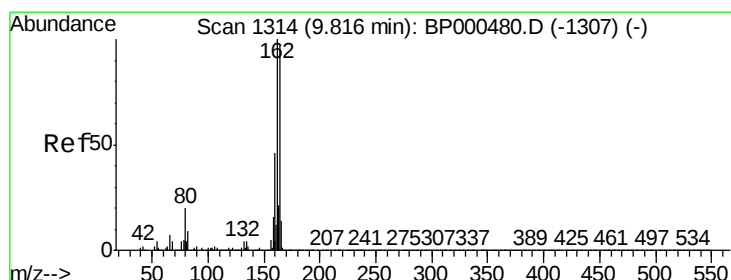
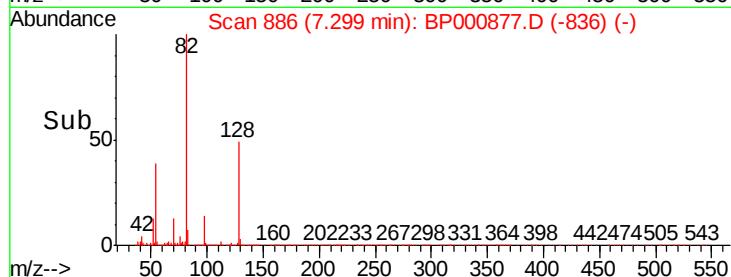
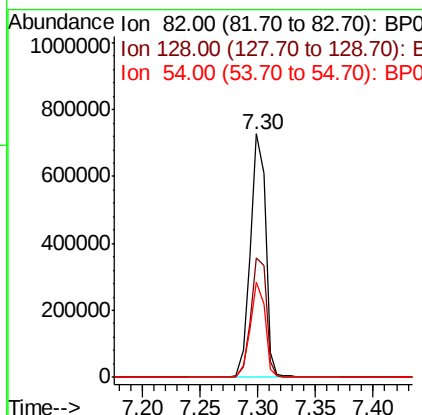
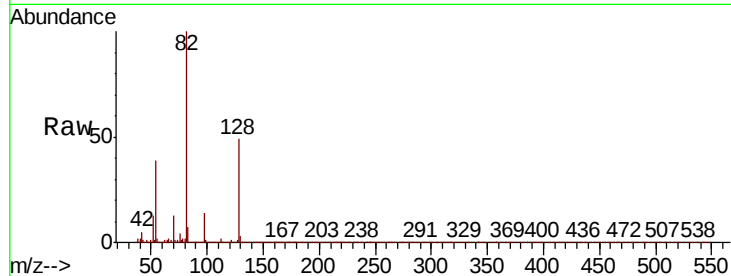
#23
Nitrobenzene-d5
Concen: 64.544 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Instrument :
BNA_P
ClientSampleId :
T-6-D1-D3-(0-46)

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.2	41.2	61.8
54	38.9	30.6	45.8

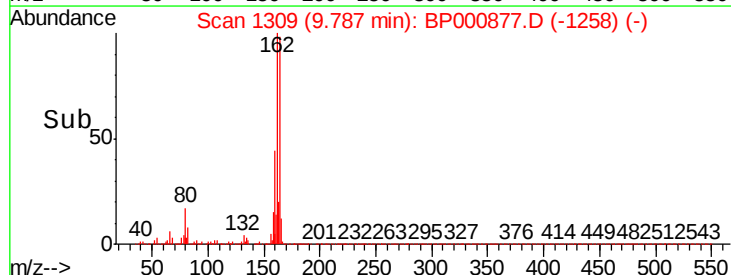
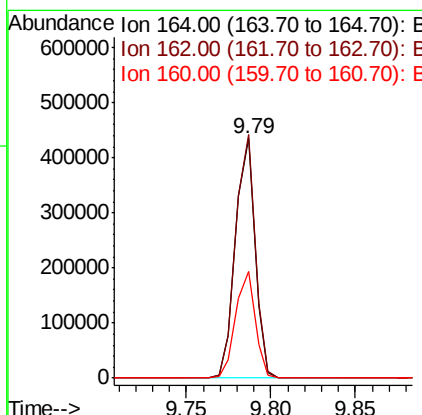
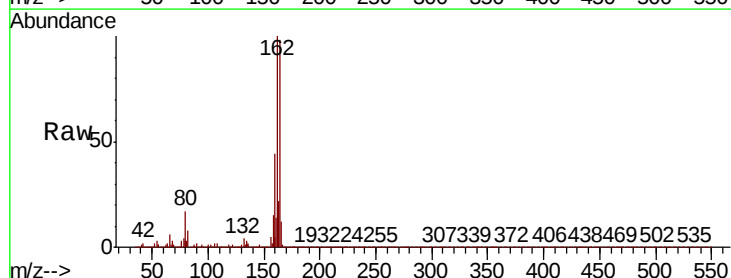
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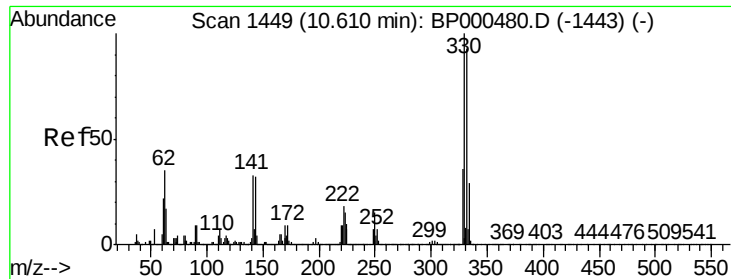
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	121.0
160	44.8	35.4	53.2





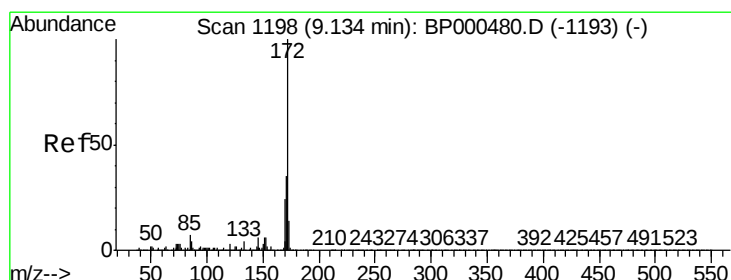
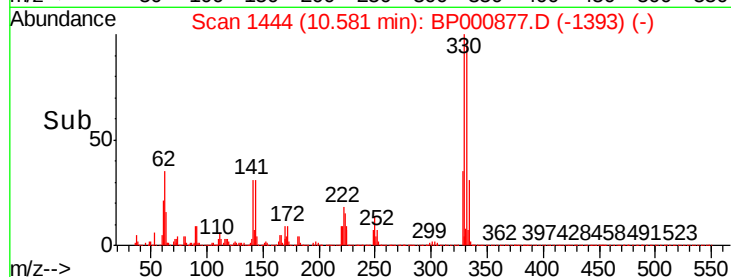
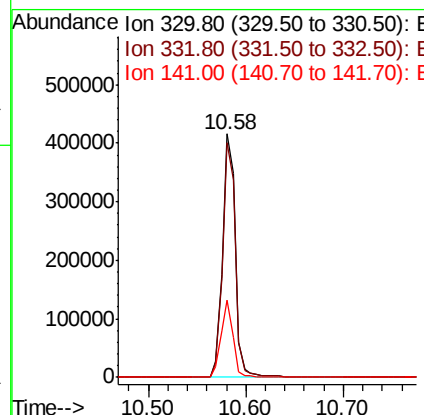
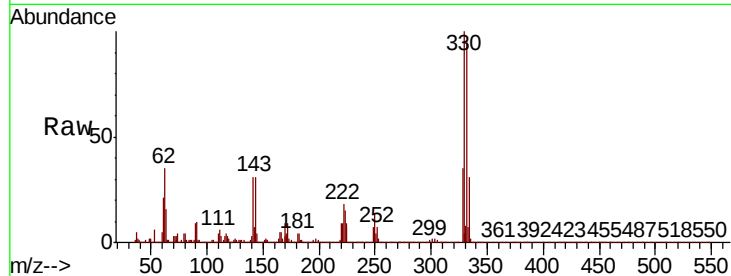
#42
2,4,6-Tribromophenol
Concen: 101.718 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Instrument :
BNA_P
ClientSampleId :
T-6-D1-D3-(0-46)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	379694		
332	96.5	78.2	117.4	
141	29.5	23.7	35.5	

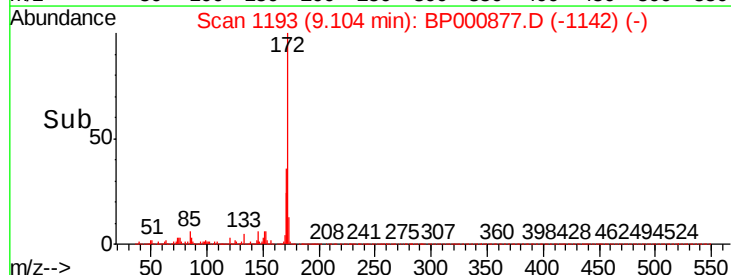
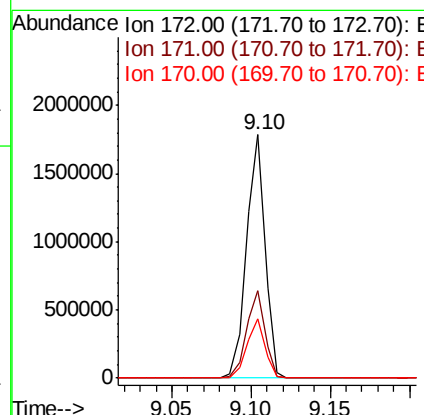
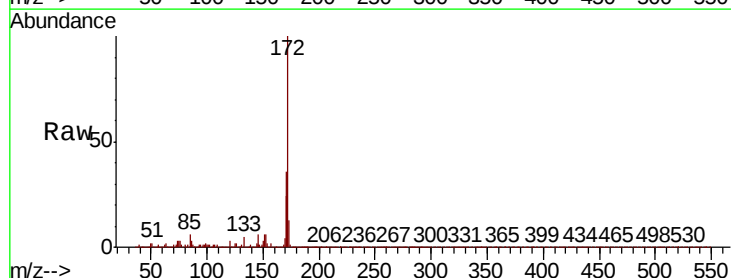
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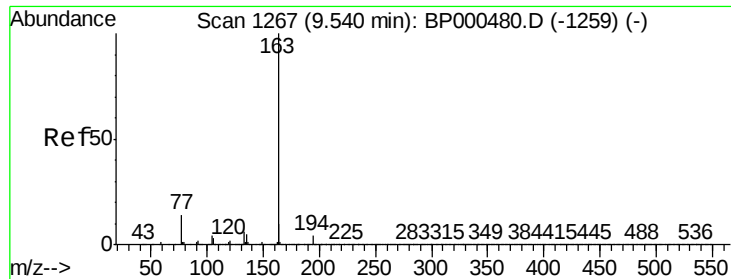
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#45
2-Fluorobiphenyl
Concen: 66.444 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1438513		
171	36.1	29.0	43.4	
170	24.2	19.3	28.9	





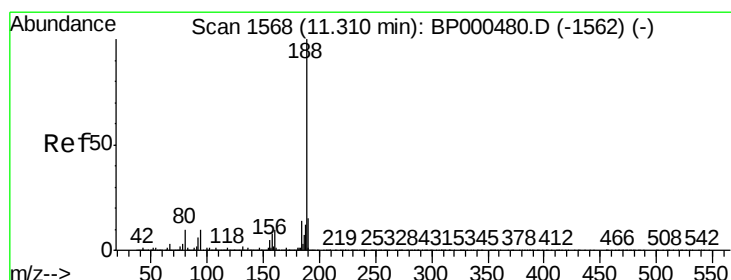
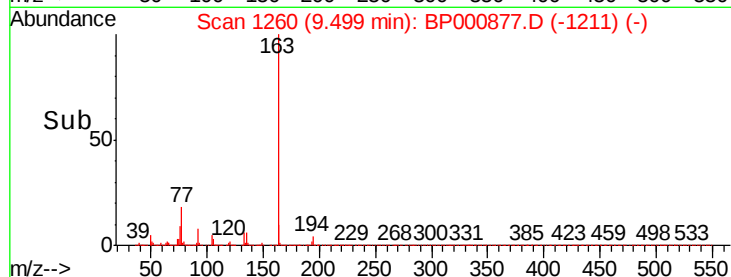
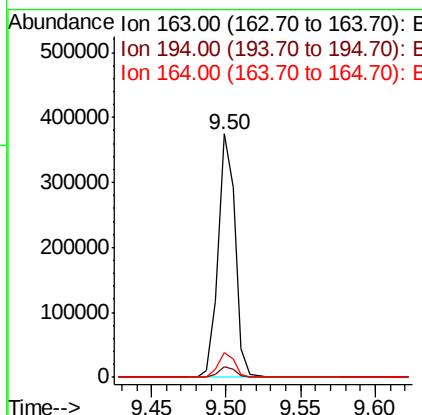
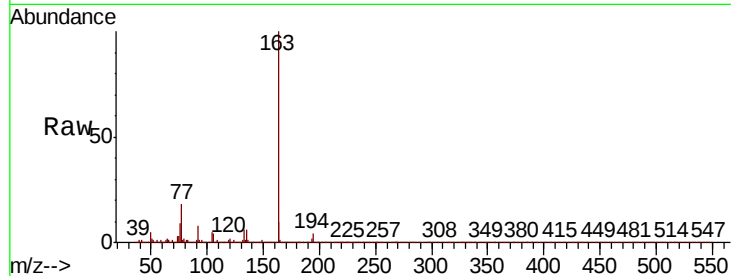
#50
Dimethylphthalate
Concen: 12.218 ng
RT: 9.50 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Instrument :
BNA_P
ClientSampleId :
T-6-D1-D3-(0-46)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		297381		
194	4.3		3.5	5.3	
164	10.3		8.3	12.5	

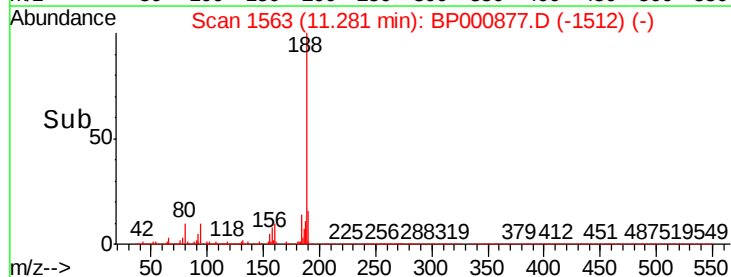
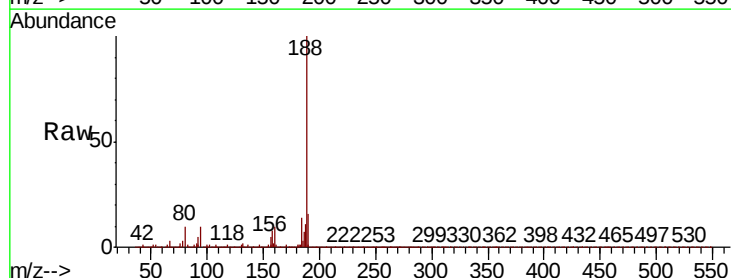
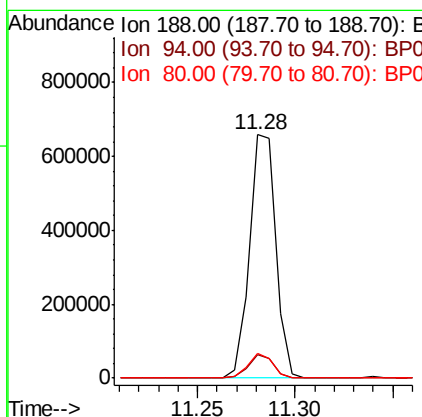
Manual Integrations
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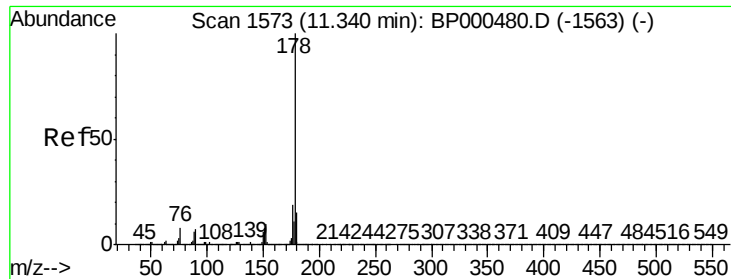
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.00 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		614832		
94	9.7		8.0	12.0	
80	10.2		8.2	12.4	





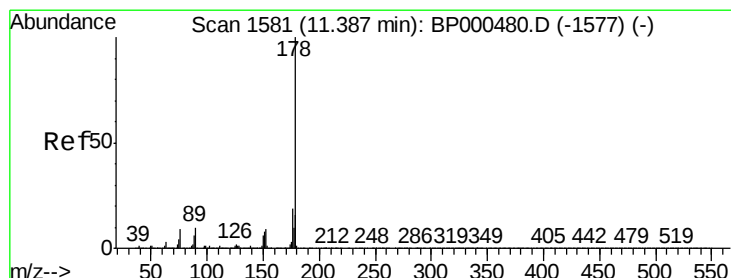
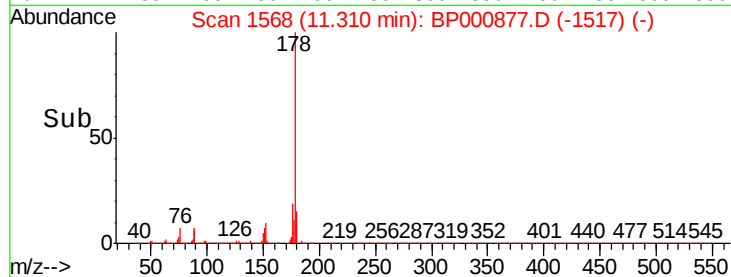
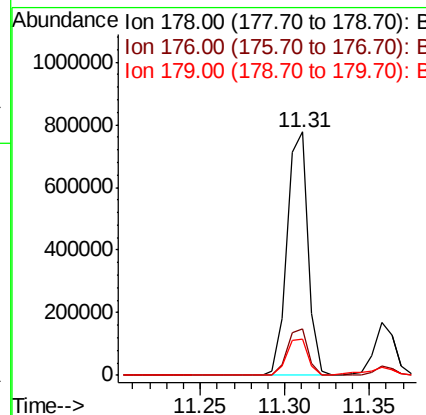
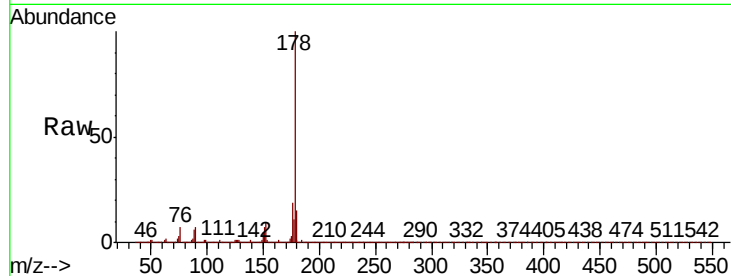
#71
Phenanthrene
Concen: 21.712 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Instrument :
BNA_P
ClientSampleId :
T-6-D1-D3-(0-46)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.7	23.5
179	15.0	12.5	18.7

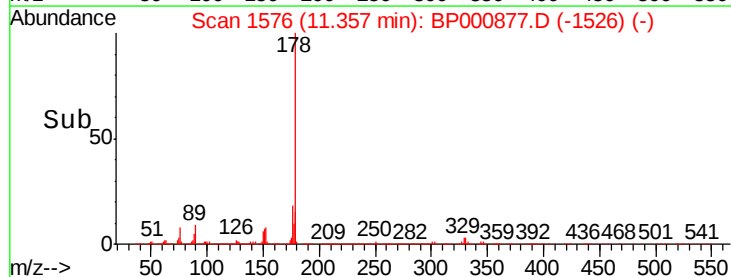
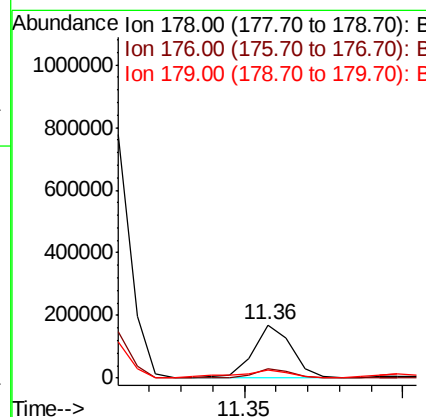
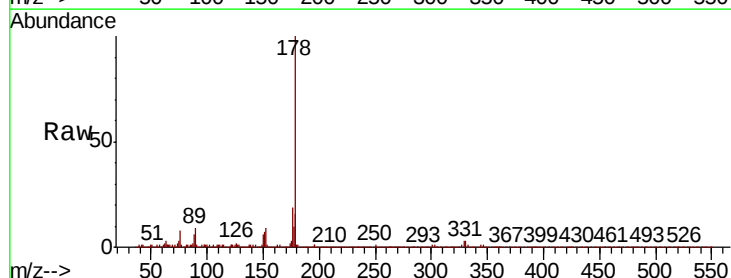
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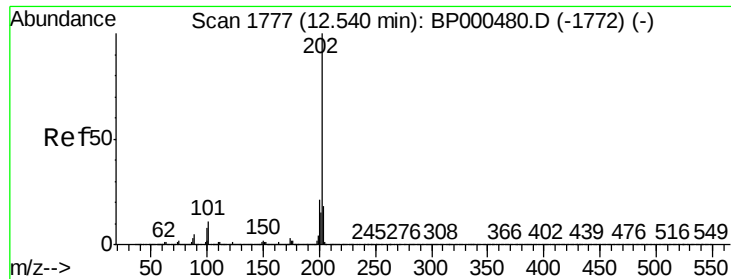
mohammad
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#72
Anthracene
Concen: 4.540 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.6	12.3	18.5





#75

Fluoranthene

Concen: 28.181 ng

RT: 12.51 min Scan# 1772

Delta R.T. -0.00 min

Lab File: BP000877.D

Acq: 18 Oct 2019 15:49

Instrument :

BNA_P

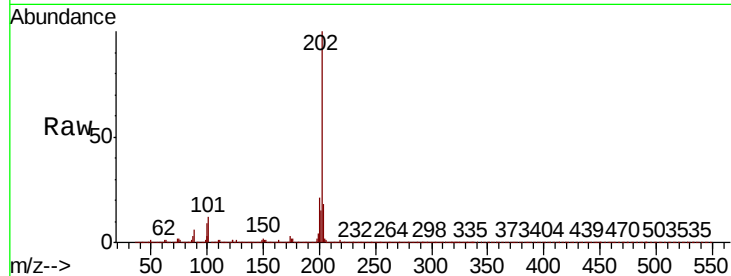
ClientSampleId :

T-6-D1-D3-(0-46)

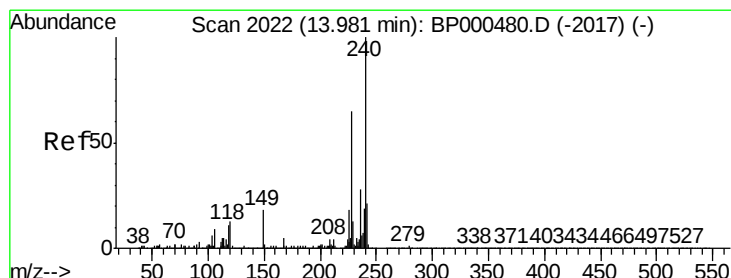
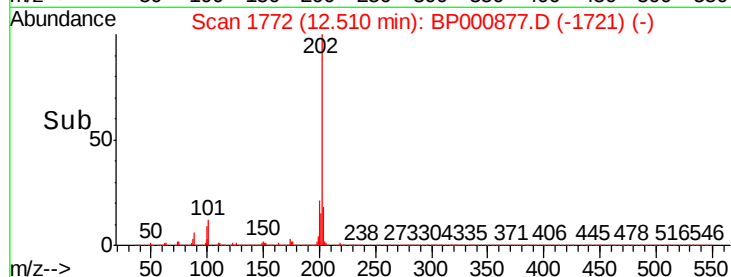
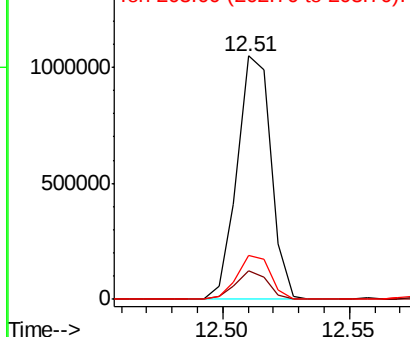
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		977327		
101	11.8	0.0	31.6		
203	17.8	0.0	38.0		

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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

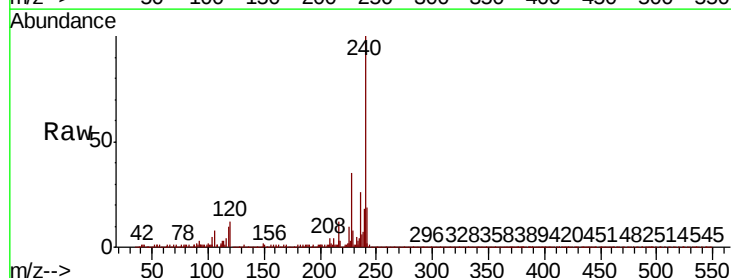
RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

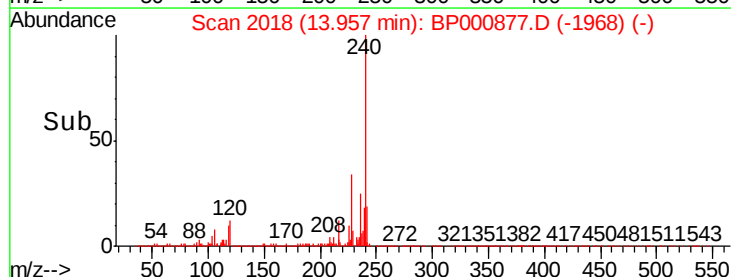
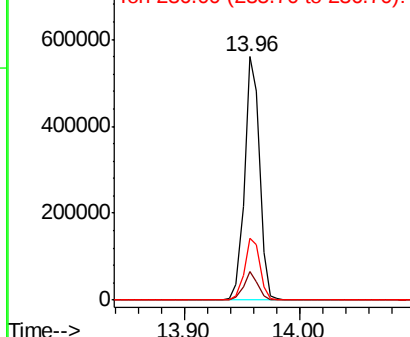
Lab File: BP000877.D

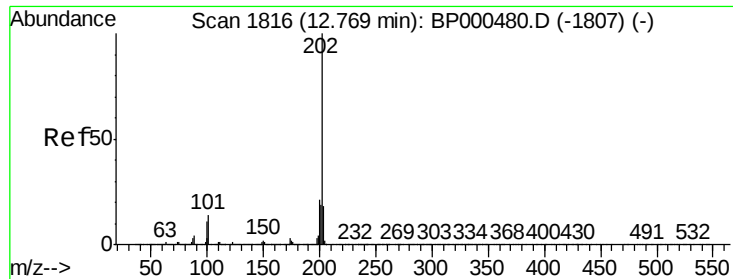
Acq: 18 Oct 2019 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		504503		
120	11.7	7.3	10.9#		
236	25.5	21.2	31.8		



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





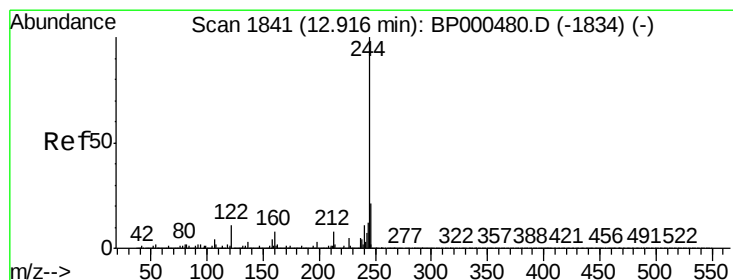
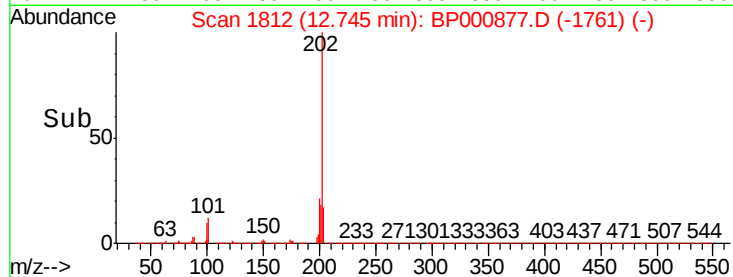
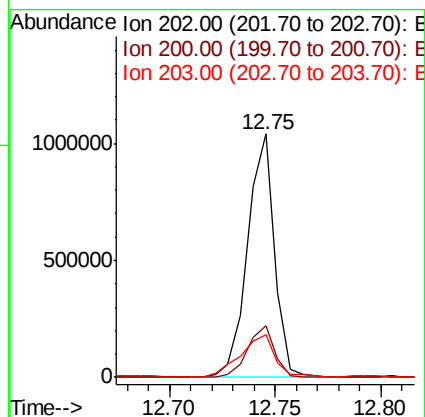
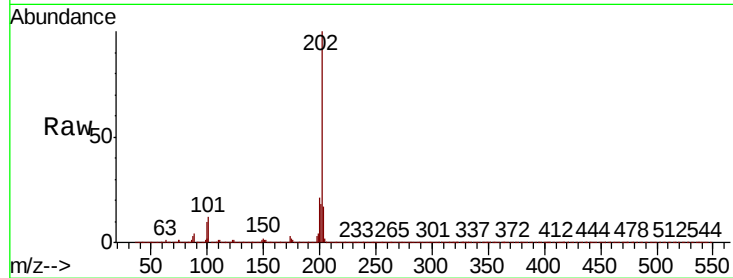
#78
Pvrene
Concen: 26.406 ng
RT: 12.75 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Instrument :
BNA_P
ClientSampleId :
T-6-D1-D3-(0-46)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.0
203	17.3	14.1	21.1

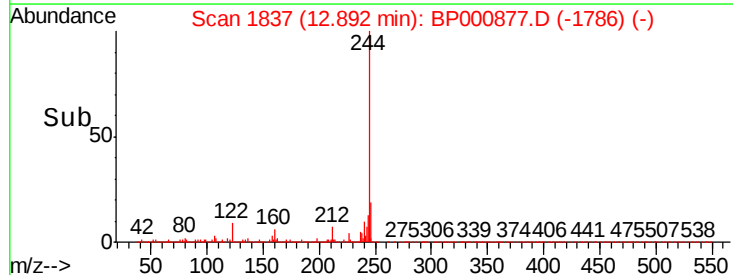
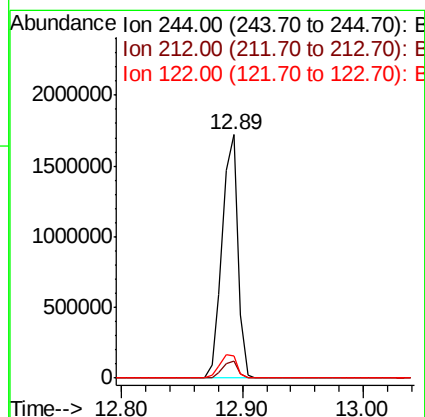
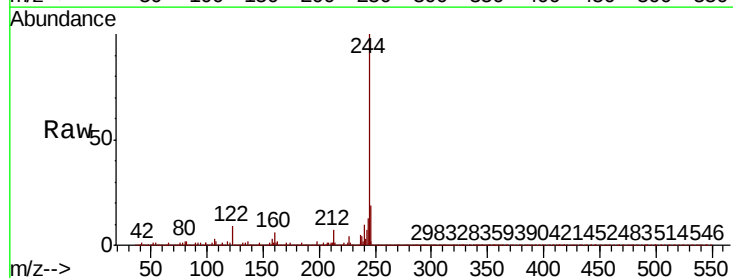
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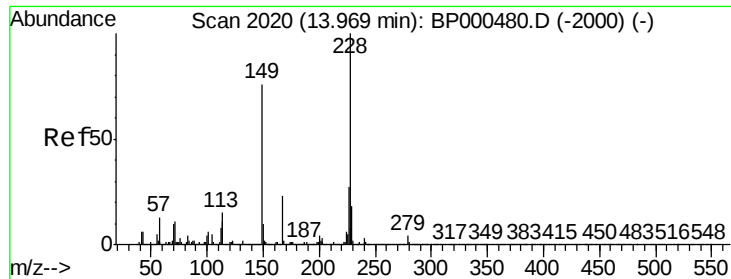
mohammad
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#79
Terphenyl-d14
Concen: 61.898 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.00 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	9.1	7.1	10.7





#81

Benzo(a)anthracene

Concen: 15.979 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BP000877.D

Acq: 18 Oct 2019 15:49

Instrument :

BNA_P

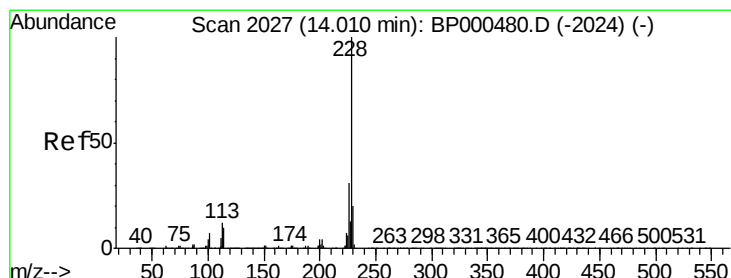
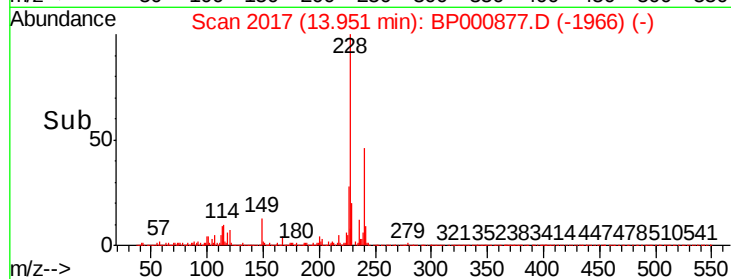
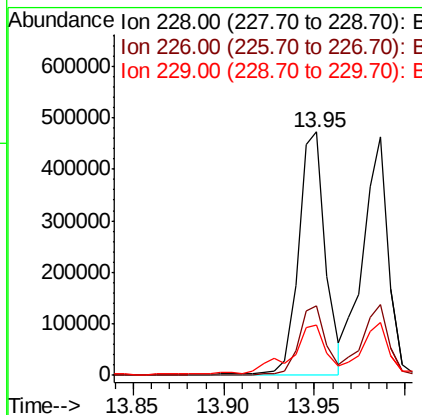
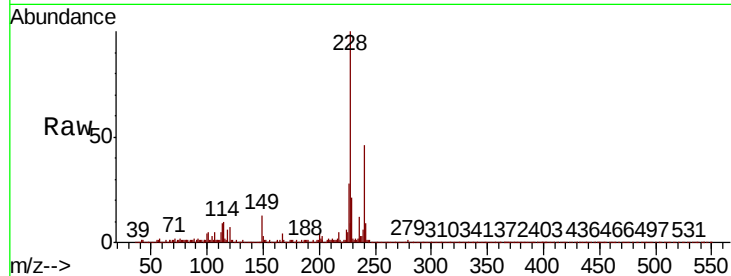
ClientSampleId :

T-6-D1-D3-(0-46)

Tot Ion:	228	Resp:	491878
Ion Ratio		Lower	Upper
228	100		
226	28.4	21.8	32.8
229	20.8	15.7	23.5

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#83

Chrysene

Concen: 15.118 ng

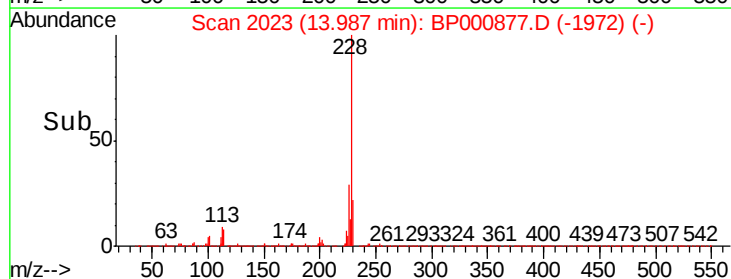
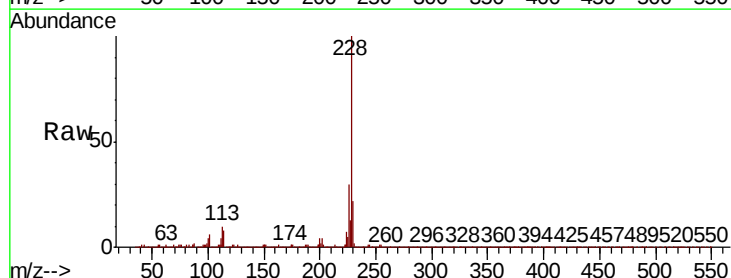
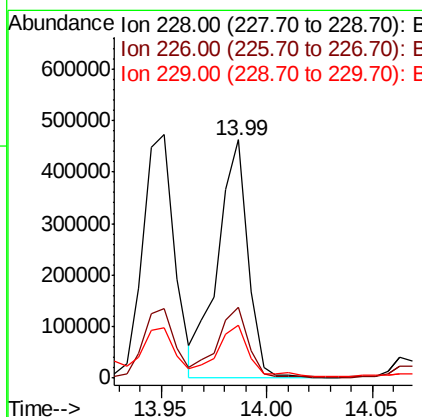
RT: 13.99 min Scan# 2023

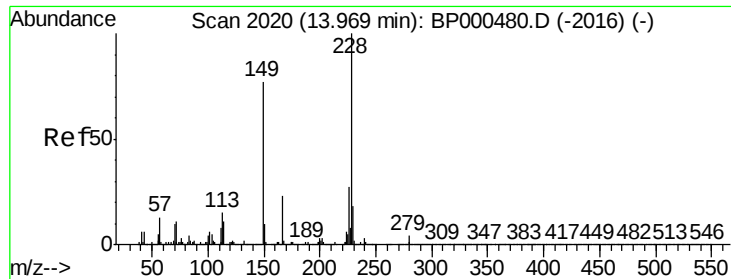
Delta R.T. -0.00 min

Lab File: BP000877.D

Acq: 18 Oct 2019 15:49

Tgt Ion:	228	Resp:	456756
Ion Ratio		Lower	Upper
228	100		
226	29.7	24.4	36.6
229	22.3	16.2	24.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.882 ng

RT: 13.95 min Scan# 2016

Delta R.T. -0.00 min

Lab File: BP000877.D

Acq: 18 Oct 2019 15:49

Instrument :

BNA_P

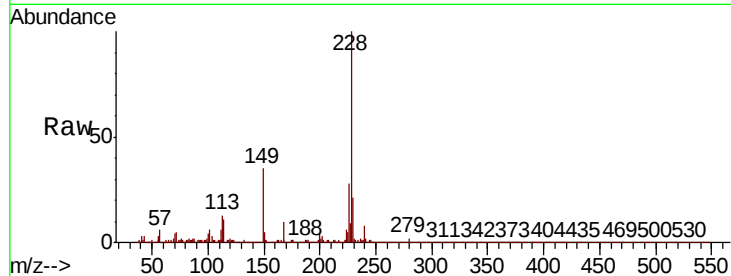
ClientSampleId :

T-6-D1-D3-(0-46)

Tot Ion:	149	Resp:	131243
Ion Ratio	Lower	Upper	
149	100		
167	28.0	23.1	34.7
279	4.9	4.7	7.1

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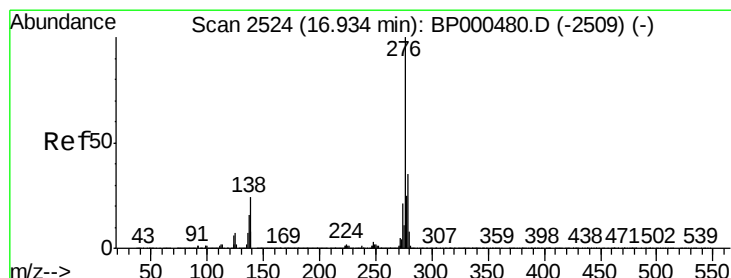
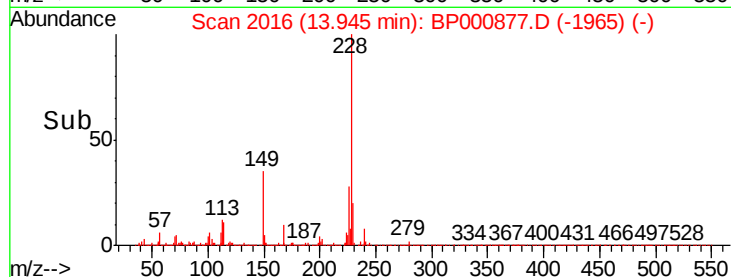
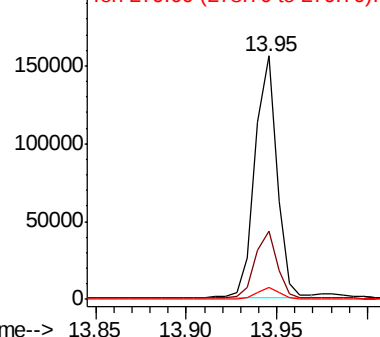


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.765 ng

RT: 16.90 min Scan# 2518

Delta R.T. -0.01 min

Lab File: BP000877.D

Acq: 18 Oct 2019 15:49

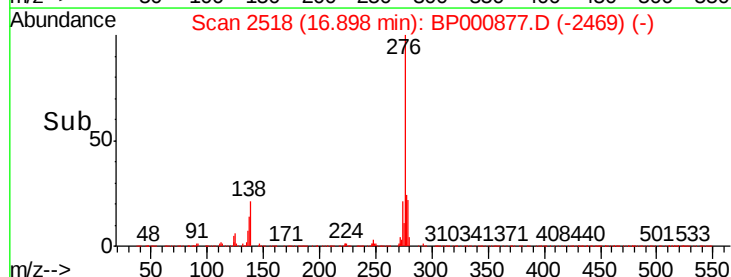
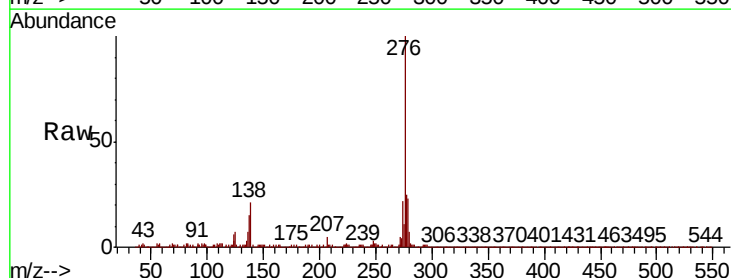
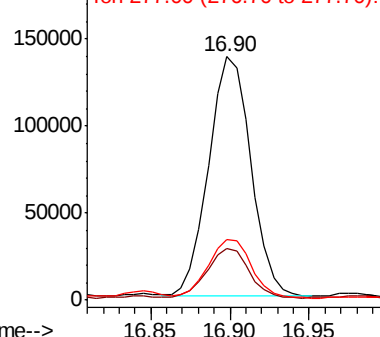
Tgt Ion:	276	Resp:	255323
Ion Ratio	Lower	Upper	
276	100		
138	21.2	19.1	28.7
277	24.6	20.4	30.6

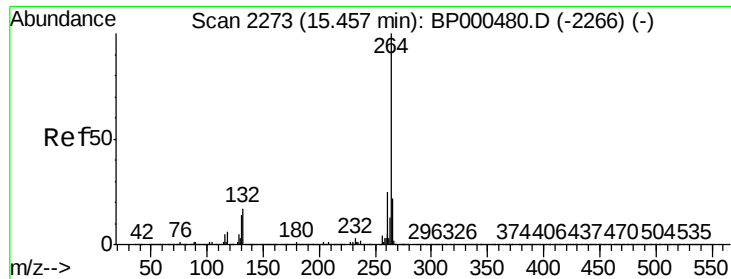
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.00 min

Lab File: BP000877.D

Acq: 18 Oct 2019 15:49

Instrument :

BNA_P

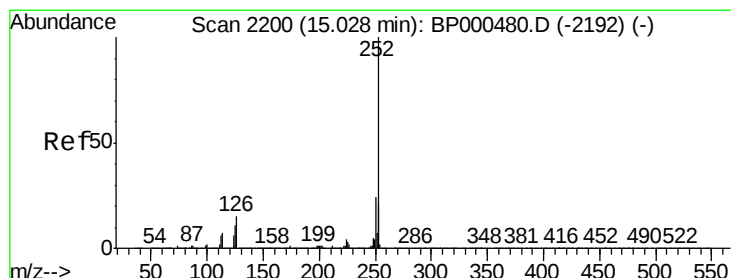
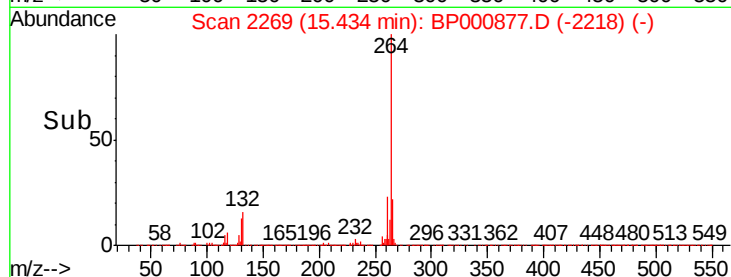
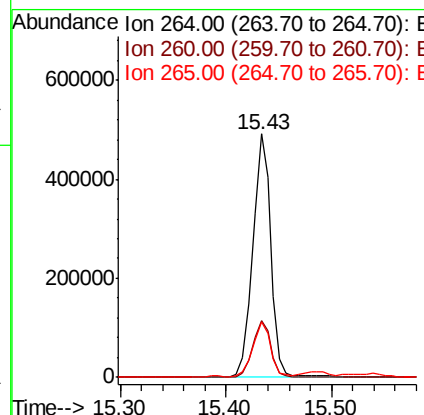
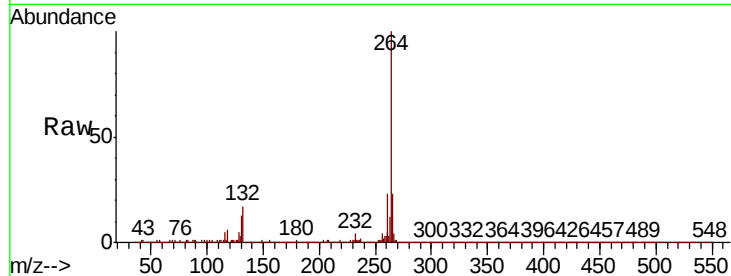
ClientSampleId :

T-6-D1-D3-(0-46)

Tot Ion:	264	Resp:	583377
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.3	28.9
265	22.5	17.4	26.0

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#88

Benzo(b)fluoranthene

Concen: 18.237 ng m

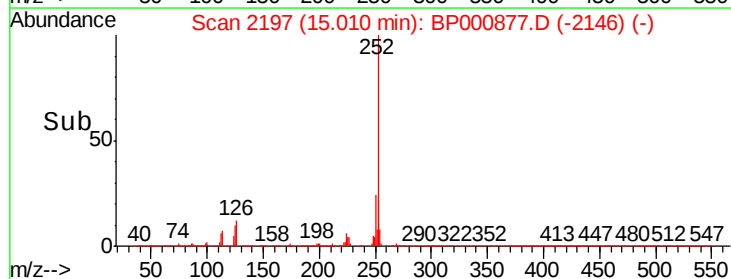
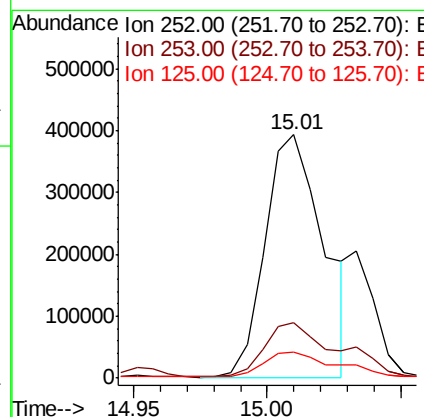
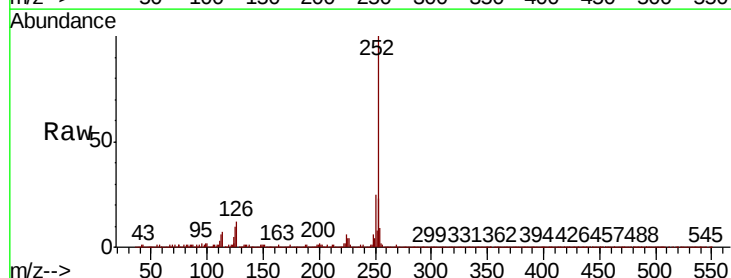
RT: 15.01 min Scan# 2197

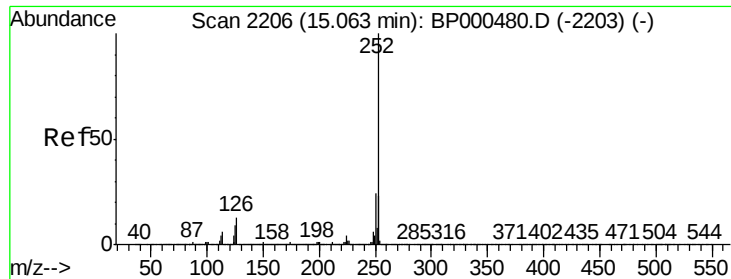
Delta R.T. -0.00 min

Lab File: BP000877.D

Acq: 18 Oct 2019 15:49

Tgt Ion:	252	Resp:	603567
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	10.5	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 4.428 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BP000877.D

Acq: 18 Oct 2019 15:49

Instrument :

BNA_P

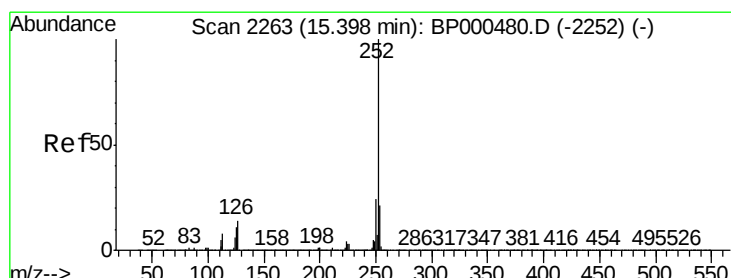
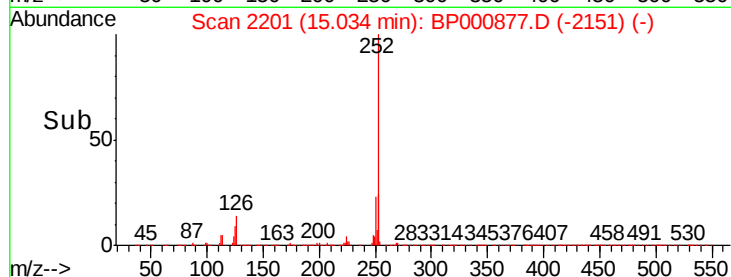
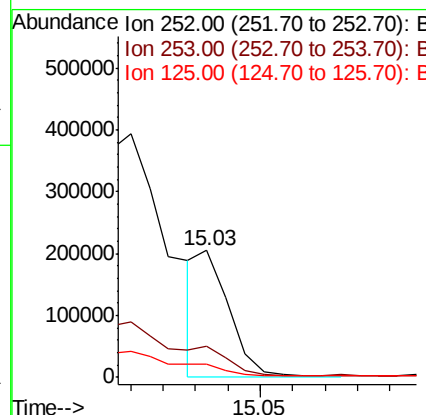
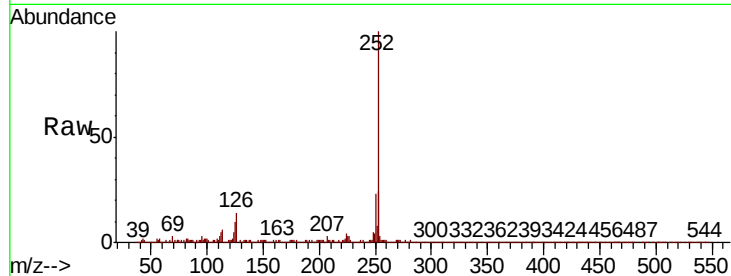
ClientSampleId :

T-6-D1-D3-(0-46)

Tot Ion:	252	Resp:	139521
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.6	26.4
125	10.4	7.1	10.7

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#90

Benzo(a)pyrene

Concen: 12.975 ng

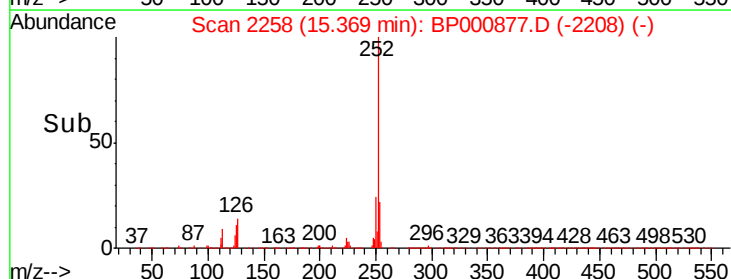
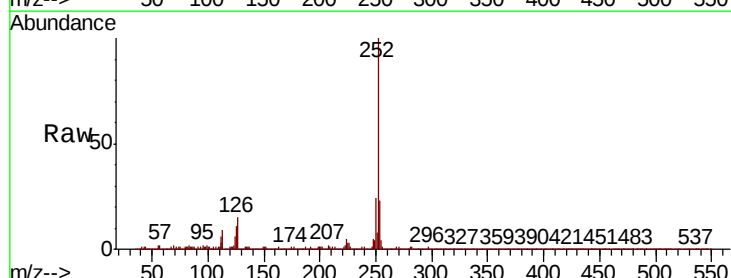
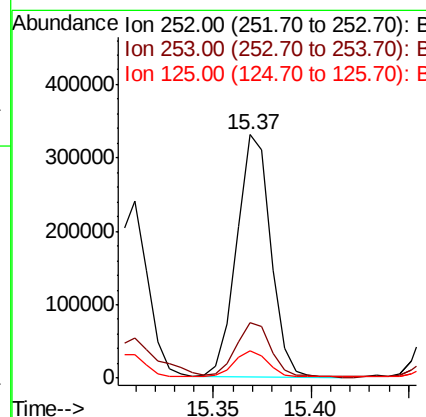
RT: 15.37 min Scan# 2258

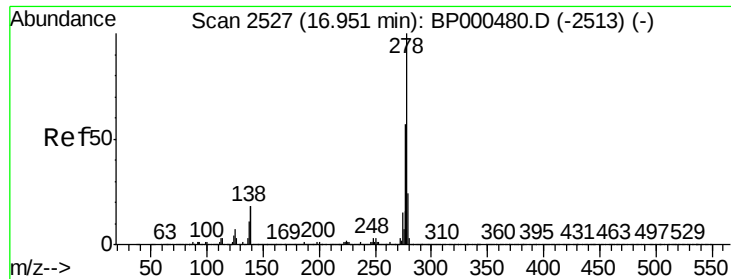
Delta R.T. -0.01 min

Lab File: BP000877.D

Acq: 18 Oct 2019 15:49

Tgt Ion:	252	Resp:	400302
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.3	25.9
125	11.3	8.2	12.2





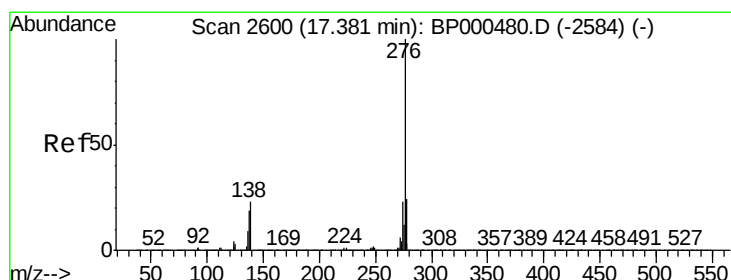
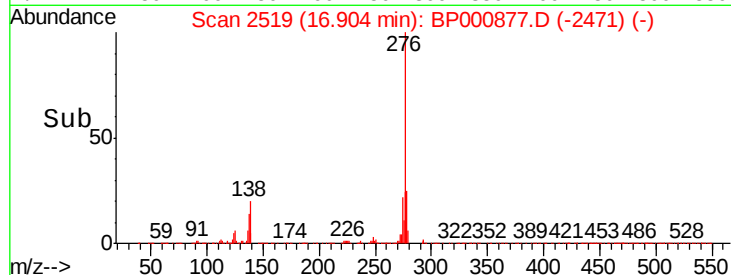
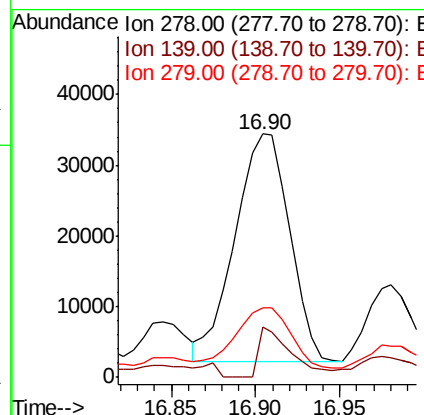
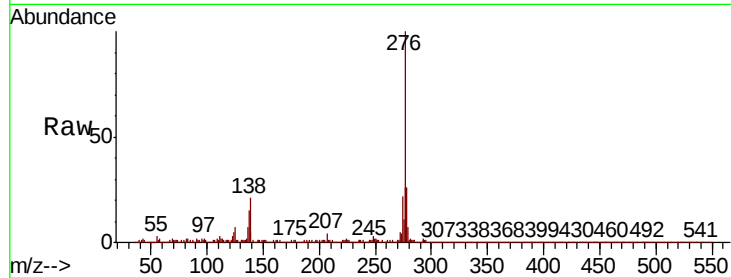
#91
Dibenzo(a,h)anthracene
Concen: 2.414 ng m
RT: 16.90 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Instrument :
BNA_P
ClientSampleId :
T-6-D1-D3-(0-46)

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.4	12.4	18.6#
279	28.8	19.1	28.7#

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#92
Benzo(g,h,i)perylene
Concen: 8.416 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.01 min
Lab File: BP000877.D
Acq: 18 Oct 2019 15:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	21.5	16.6	24.8

