

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
 Data File : BP000700.D
 Acq On : 13 Oct 2019 04:29
 Operator : JU
 Sample : K5348-09
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 20190833-COMPOSITE-I

Manual Integrations
 APPROVED

mohammad
 10/16/2019 8:08:55 AM

Quant Time: Oct 14 07:32:47 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	214107	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	754434	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	409131	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	733592	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	631297	20.00	ng	-0.01
87) Perylene-d12	15.45	264	677187	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	216510	16.25	ng	-0.02
7) Phenol-d6	6.39	99	1281605	79.85	ng	-0.02
23) Nitrobenzene-d5	7.31	82	863259	69.89	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	8262	1.90	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1580853	62.52	ng	-0.02
79) Terphenyl-d14	12.90	244	1725178	55.33	ng	-0.02
Target Compounds						
9) Benzaldehyde	6.30	77	57431	6.869	ng	Qvalue 96
10) Phenol	6.40	94	104099	6.334	ng	92
50) Dimethylphthalate	9.51	163	328802	11.566	ng	100
71) Phenanthrene	11.32	178	106432	2.889	ng	98
72) Anthracene	11.37	178	79345	2.172	ng	99
75) Fluoranthene	12.52	202	354252	8.561	ng	99
78) Pyrene	12.75	202	391820	8.999	ng	99
81) Benzo(a)anthracene	13.96	228	250803	6.511	ng	# 80
83) Chrysene	13.99	228	249567	6.601	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	151418	6.346	ng	98
86) Indeno(1,2,3-cd)pyrene	16.91	276	127051	2.690	ng	96
88) Benzo(b)fluoranthene	15.02	252	322660m	8.399	ng	
89) Benzo(k)fluoranthene	15.05	252	106998m	2.925	ng	
90) Benzo(a)pyrene	15.38	252	247352	6.907	ng	# 93
92) Benzo(a,h,i)perylene	17.35	276	128753	3.648	ng	97

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

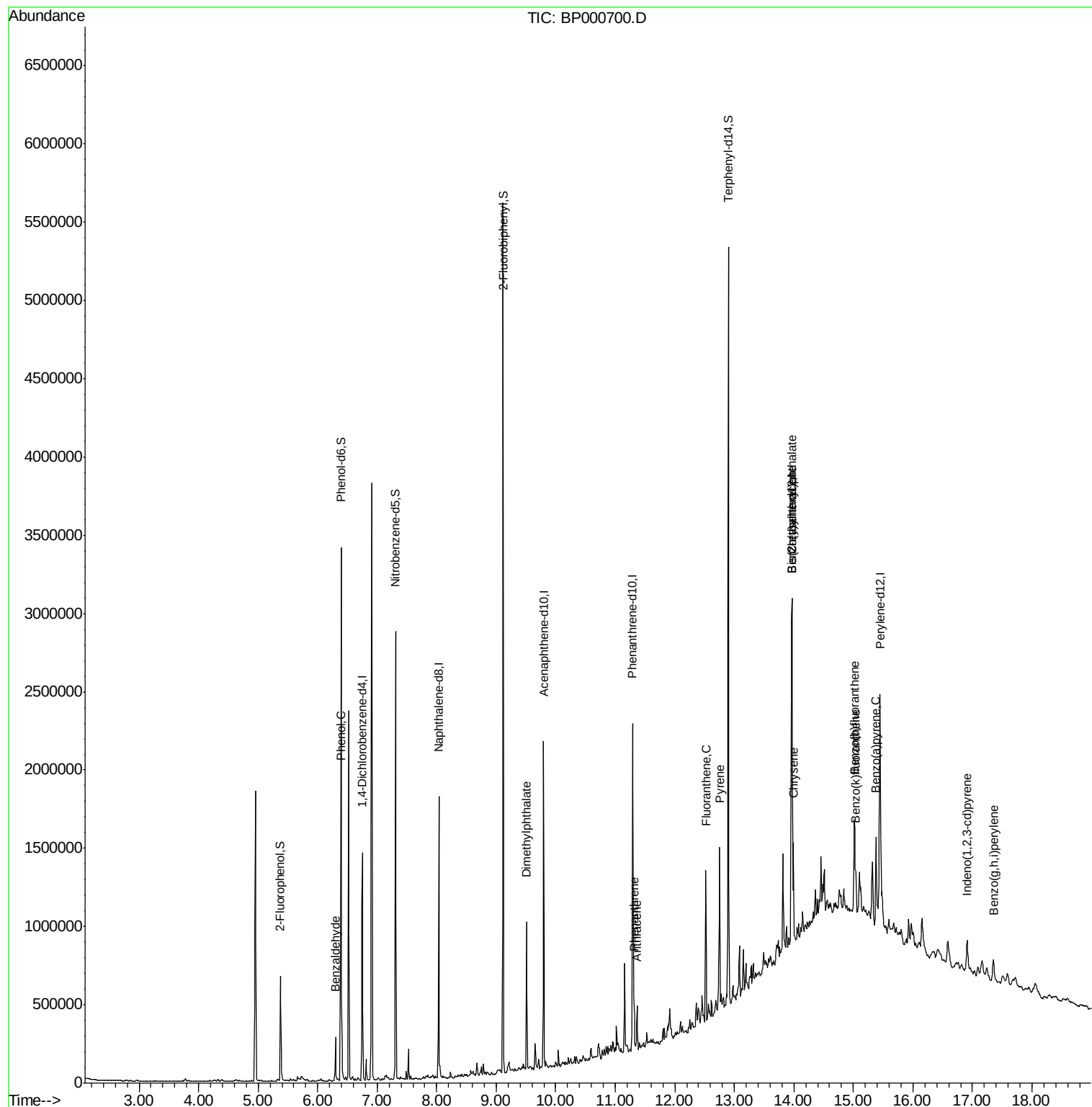
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
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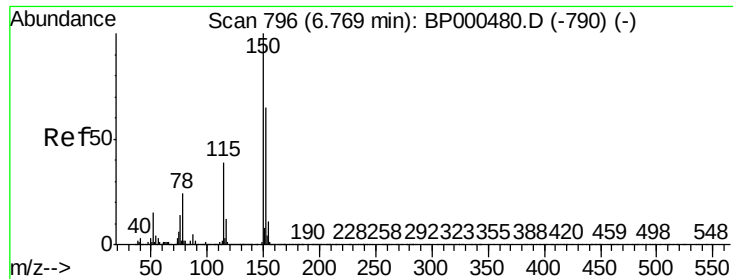
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

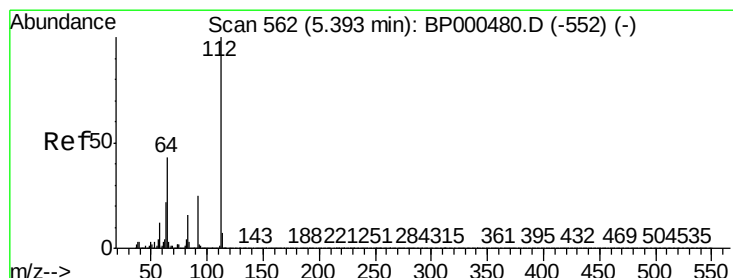
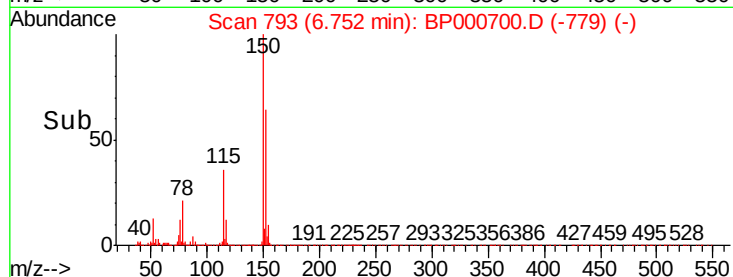
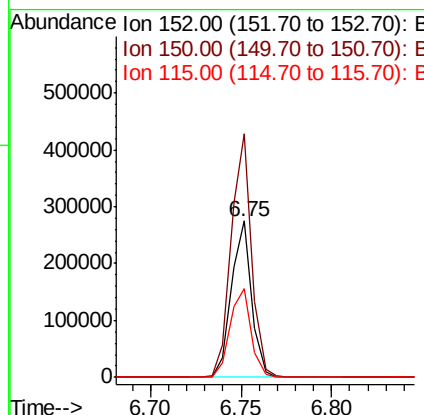
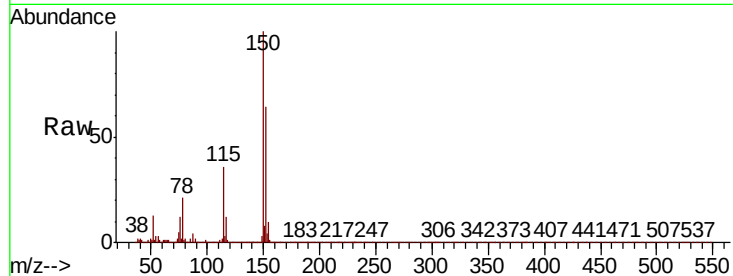
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Instrument :
BNA_P
ClientSampleId :
20190833-COMPOSITE-I

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.1	186.1
115	56.7	48.7	73.1

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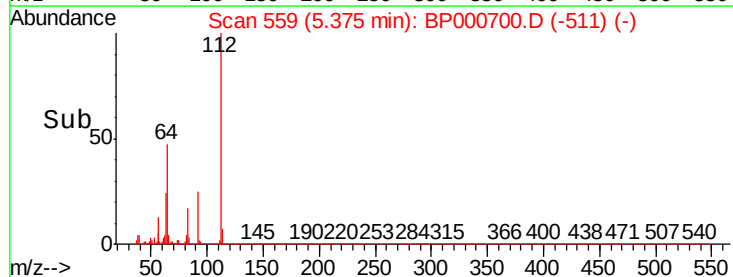
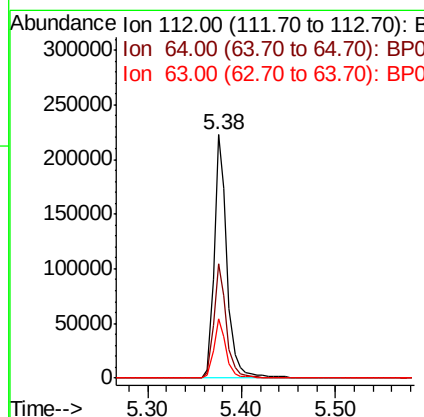
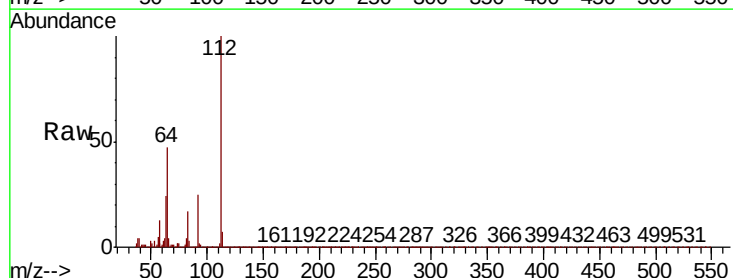
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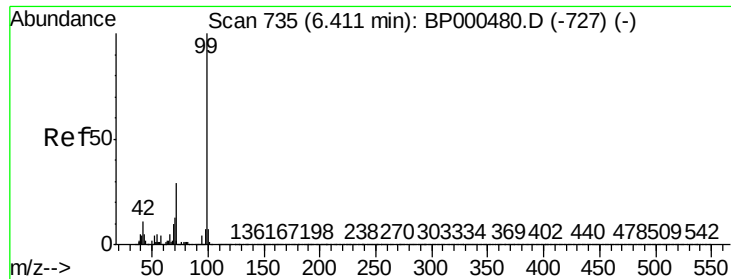


#5

2-Fluorophenol
Concen: 16.255 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.0	34.2	51.4
63	24.2	17.9	26.9





#7

Phenol-d6

Concen: 79.847 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Instrument :

BNA_P

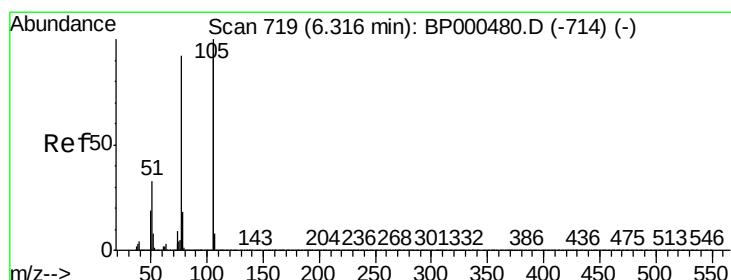
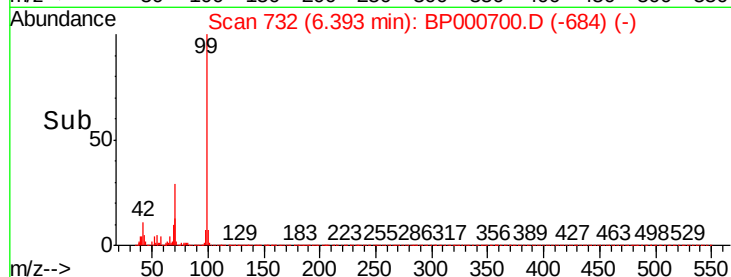
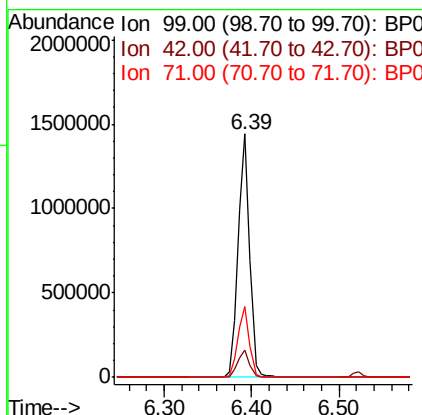
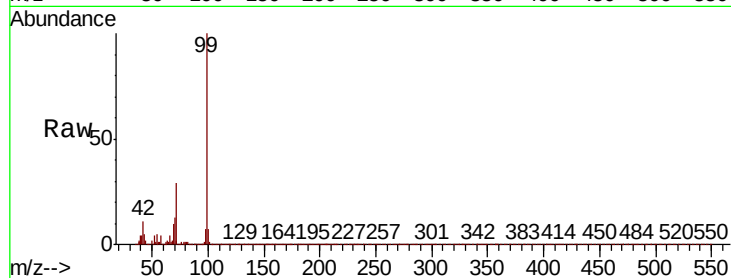
ClientSampleId :

20190833-COMPOSITE-I

Tot Ion:	99	Resp:	1281605
Ion	Ratio	Lower	Upper
99	100		
42	11.0	8.6	12.8
71	29.2	23.0	34.4

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#9

Benzaldehyde

Concen: 6.869 ng

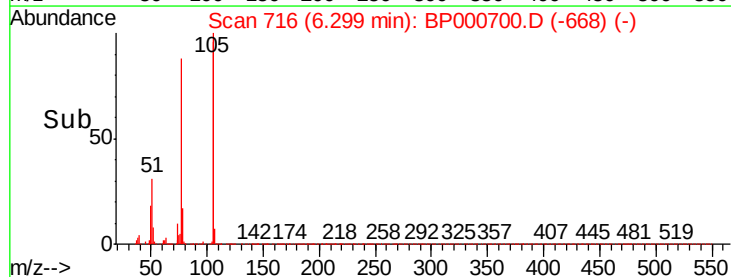
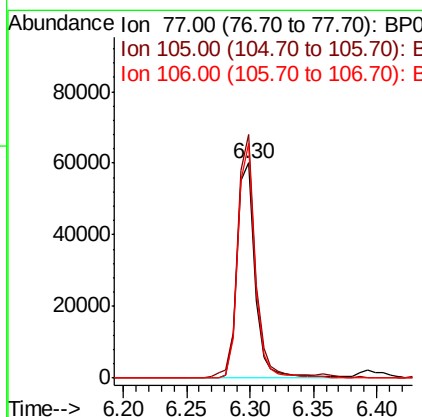
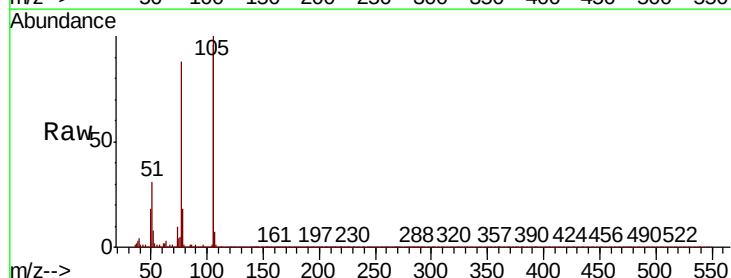
RT: 6.30 min Scan# 716

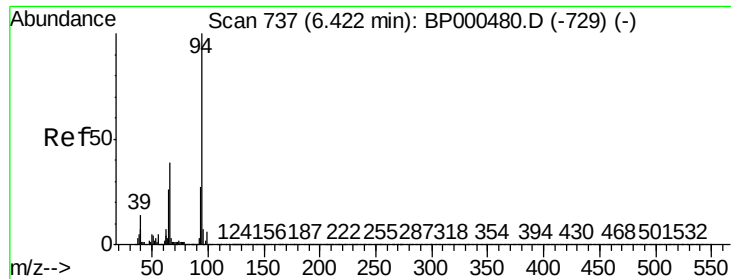
Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Tgt Ion:	77	Resp:	57431
Ion	Ratio	Lower	Upper
77	100		
105	113.3	88.3	128.3
106	109.2	85.7	125.7





#10

Phenol

Concen: 6.334 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Instrument :

BNA_P

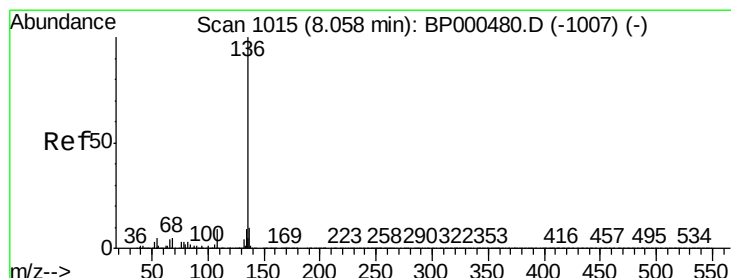
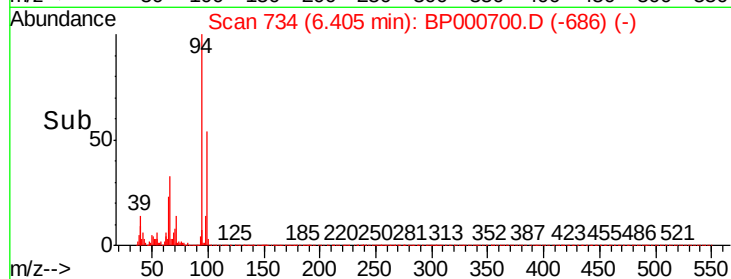
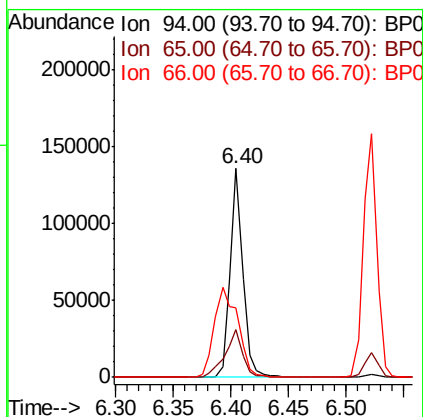
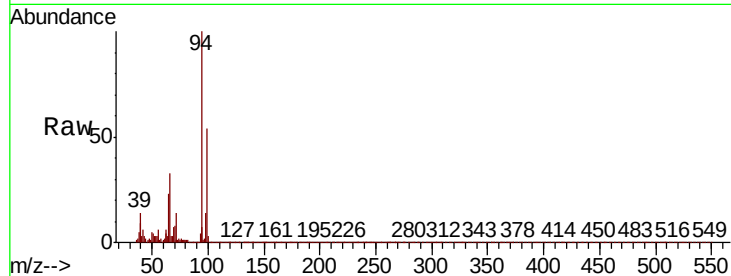
ClientSampleId :

20190833-COMPOSITE-I

Tot Ion	Ion	Ratio	Resp	Lower	Upper
94	100		104099		
65	23.0	5.9	45.9		
66	33.0	18.8	58.8		

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#21

Naphthalene-d8

Concen: 20.000 ng

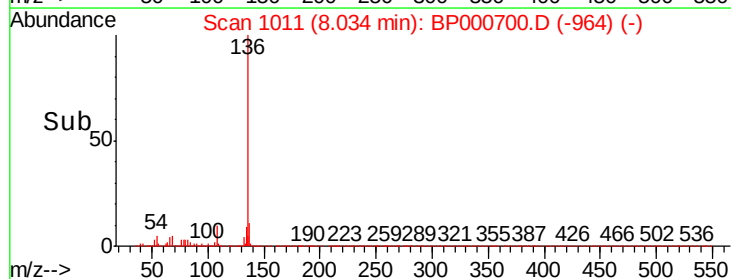
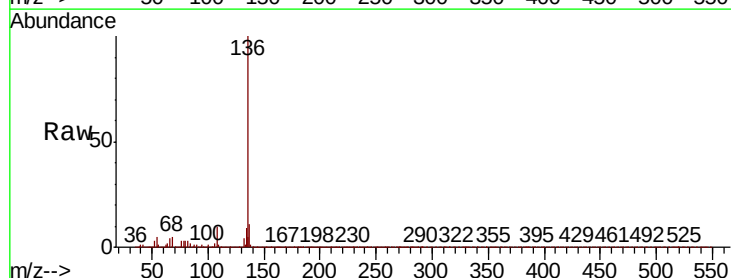
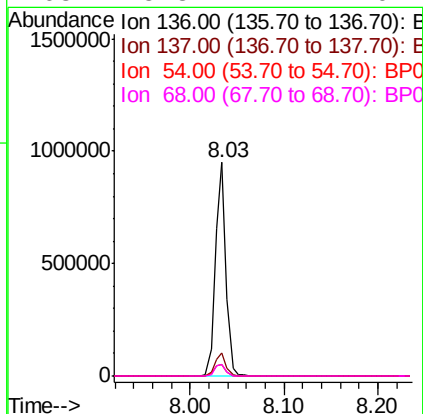
RT: 8.03 min Scan# 1011

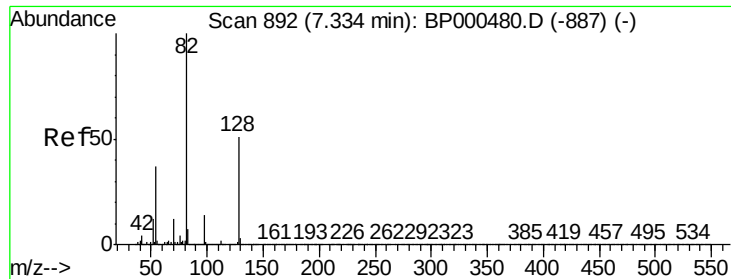
Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		754434		
137	11.0	8.2	12.4		
54	5.4	4.1	6.1		
68	5.3	4.1	6.1		





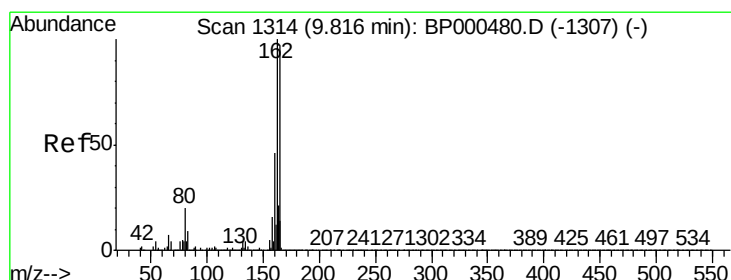
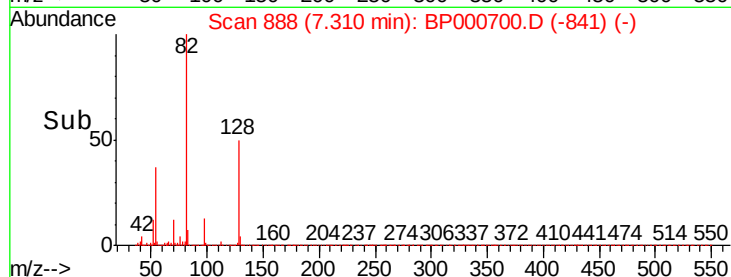
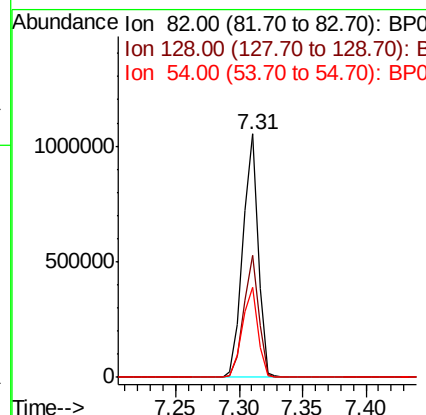
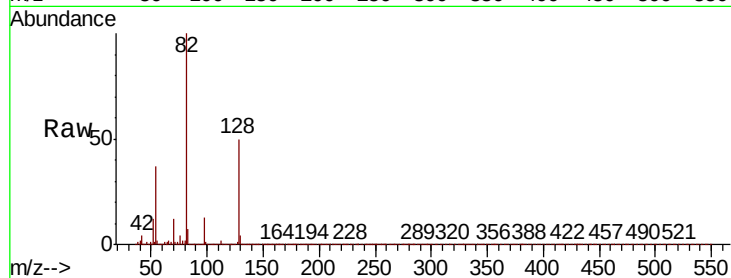
#23
Nitrobenzene-d5
Concen: 69.885 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Instrument :
BNA_P
ClientSampleId :
20190833-COMPOSITE-I

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.9	40.9	61.3
54	36.8	29.4	44.2

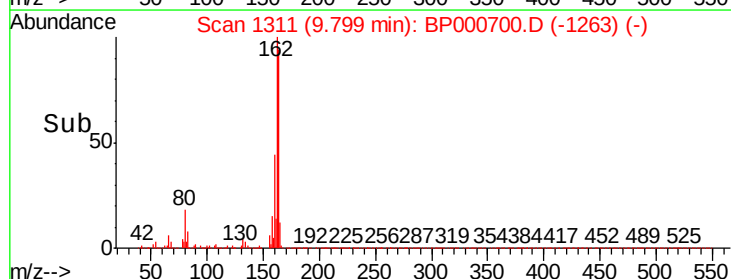
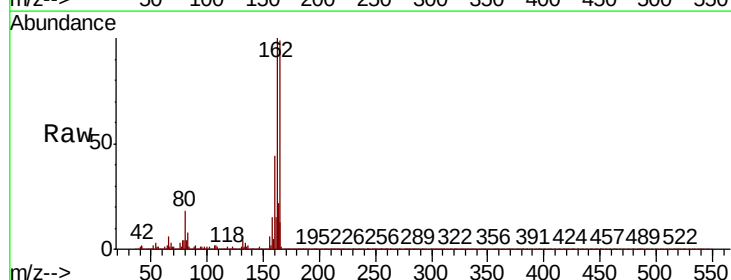
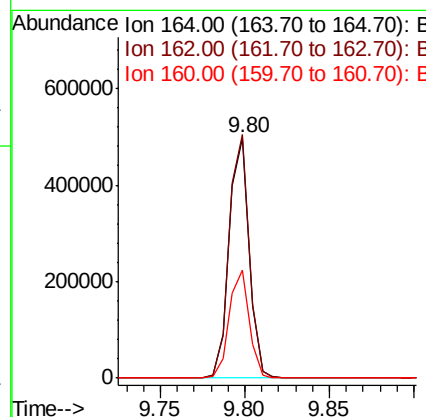
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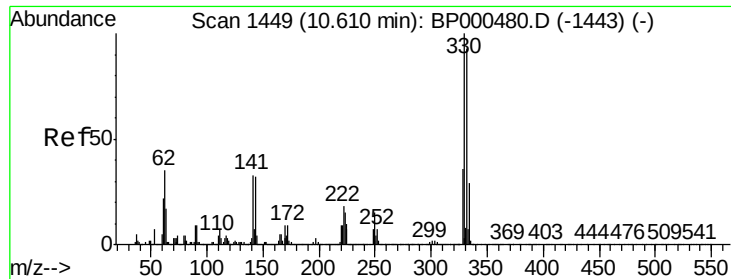
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.2	123.2
160	44.9	37.6	56.4





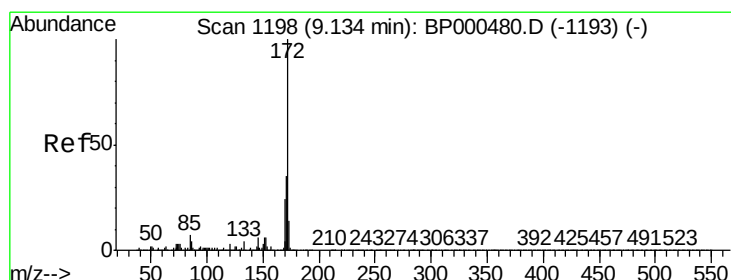
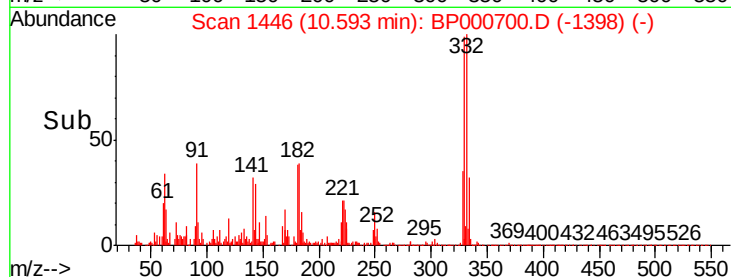
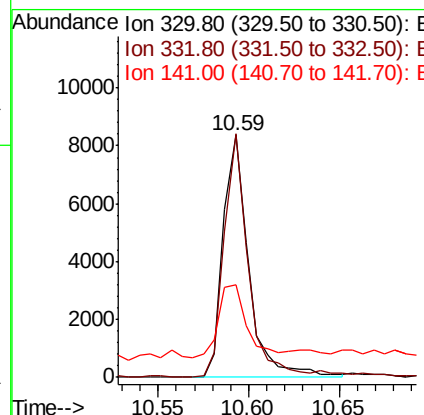
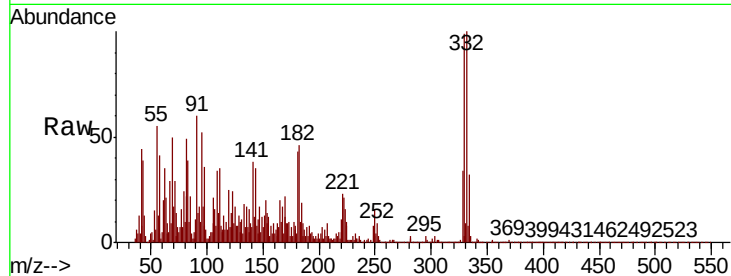
#42
 2,4,6-Tribromophenol
 Concen: 1.895 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.02 min
 Lab File: BP000700.D
 Acq: 13 Oct 2019 04:29

Instrument :
 BNA_P
 ClientSampleId :
 20190833-COMPOSITE-I

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.2	77.1	115.7
141	32.3	26.0	39.0

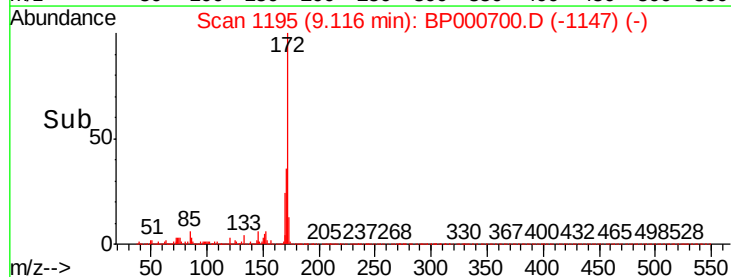
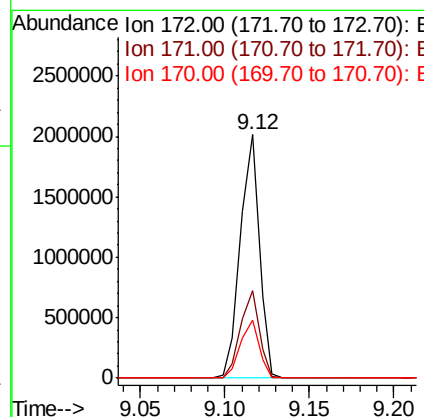
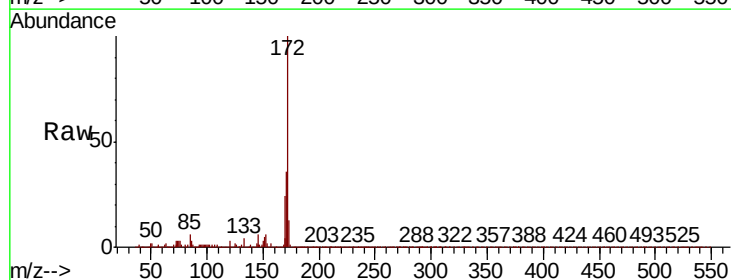
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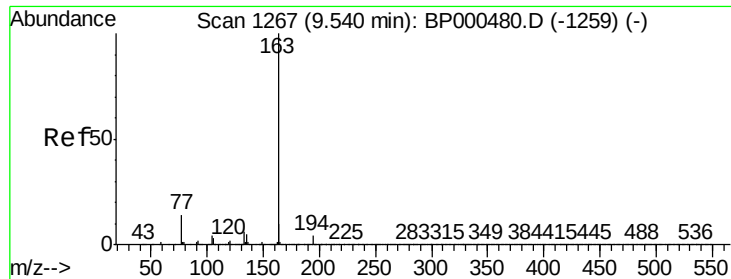
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#45
 2-Fluorobiphenyl
 Concen: 62.518 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BP000700.D
 Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.4	42.6
170	24.1	19.1	28.7





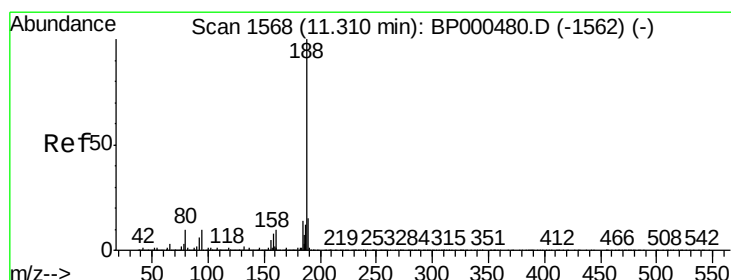
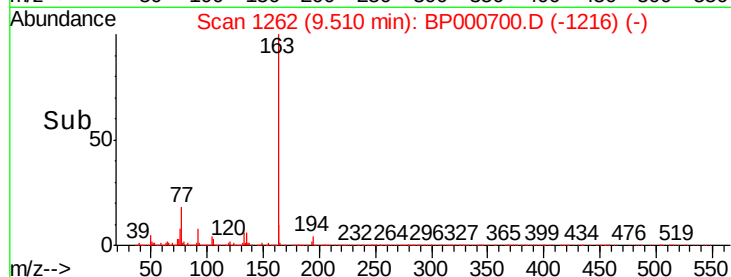
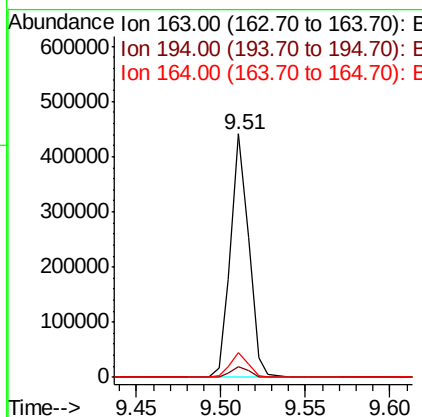
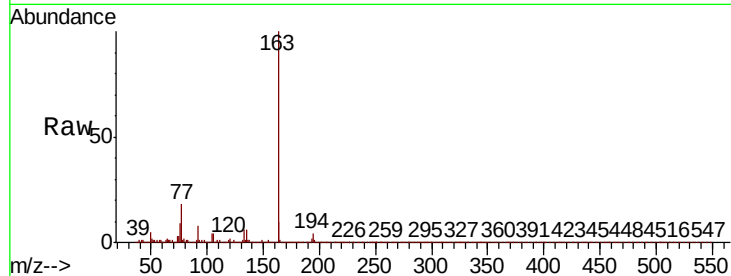
#50
Dimethylphthalate
Concen: 11.566 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Instrument :
BNA_P
ClientSampleId :
20190833-COMPOSITE-I

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	4.4		3.4	5.2	
164	10.0		8.0	12.0	

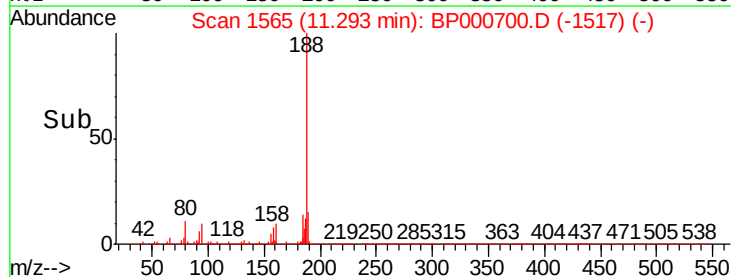
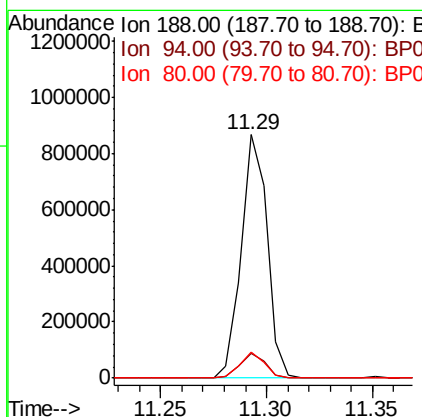
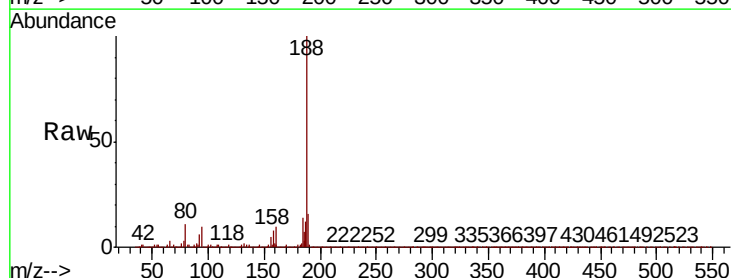
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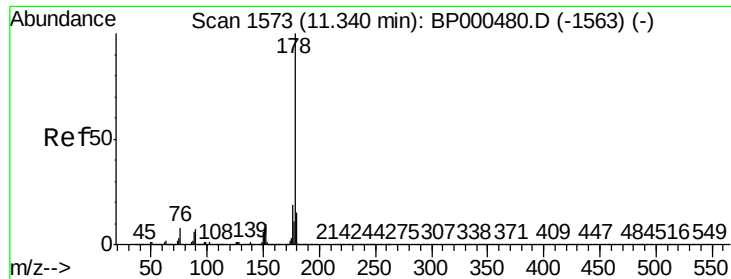
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	10.3		8.2	12.2	
80	10.7		8.3	12.5	





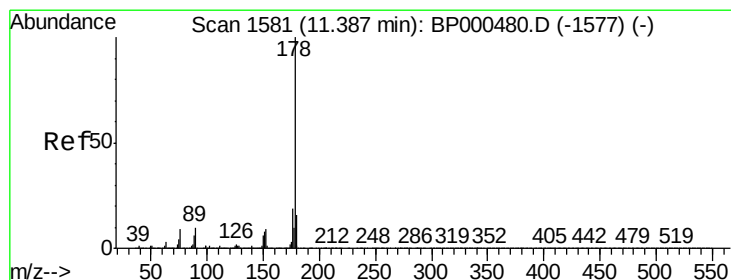
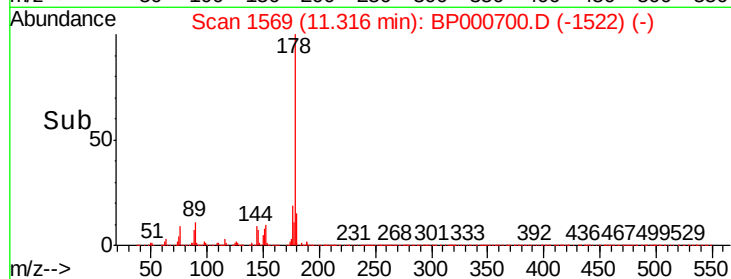
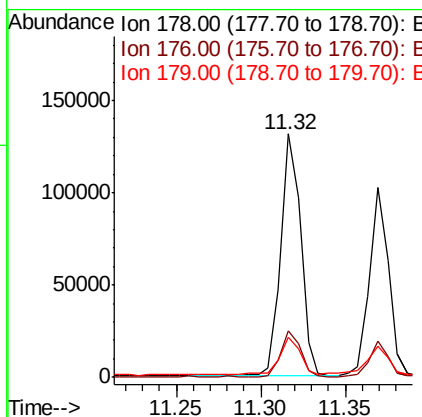
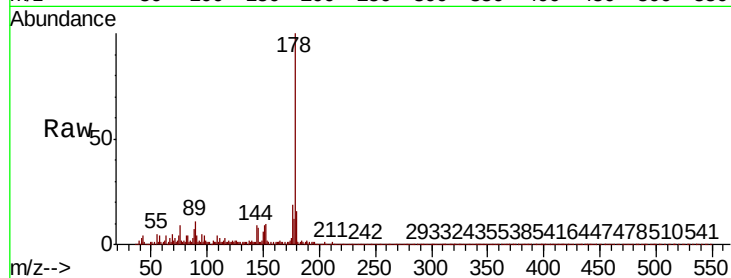
#71
Phenanthrene
Concen: 2.889 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Instrument :
BNA_P
ClientSampleId :
20190833-COMPOSITE-I

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.4	12.2	18.4

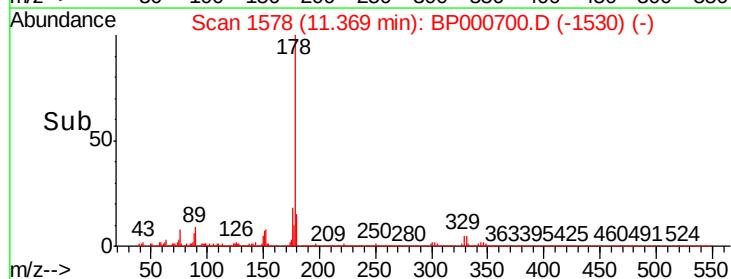
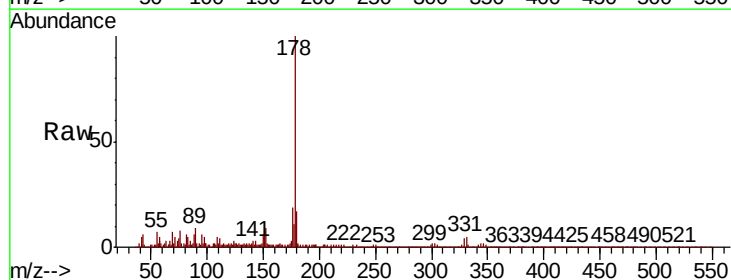
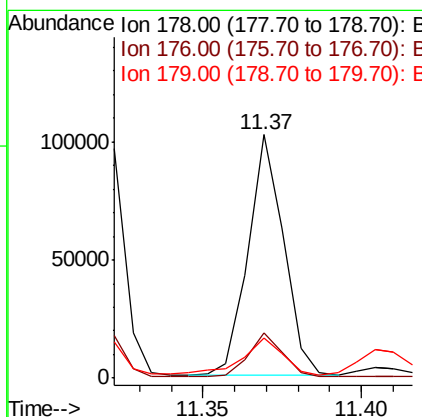
Manual Integrations
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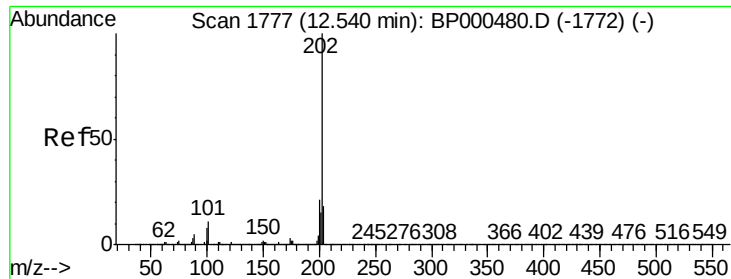
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#72
Anthracene
Concen: 2.172 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	16.6	12.6	19.0





#75

Fluoranthene

Concen: 8.561 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Instrument :

BNA_P

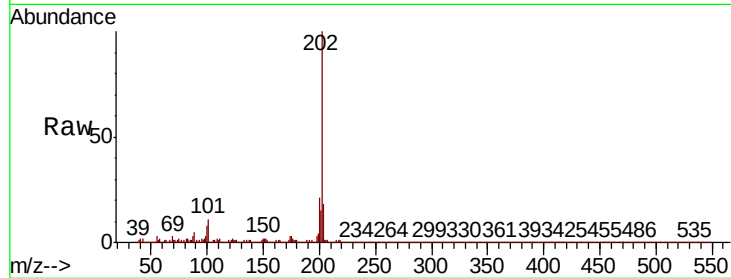
ClientSampleId :

20190833-COMPOSITE-I

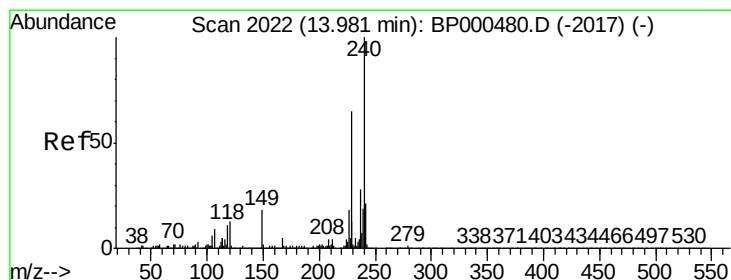
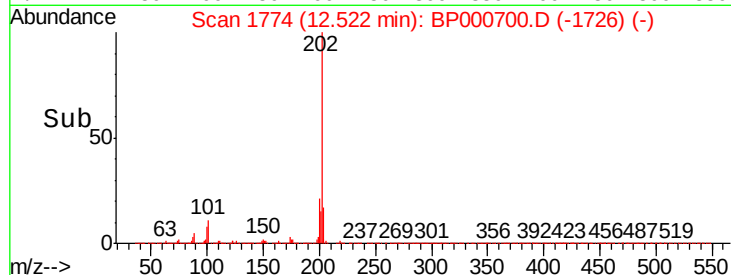
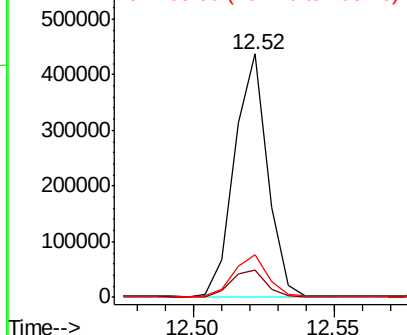
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.0	0.0	31.3
203	17.7	0.0	38.1

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

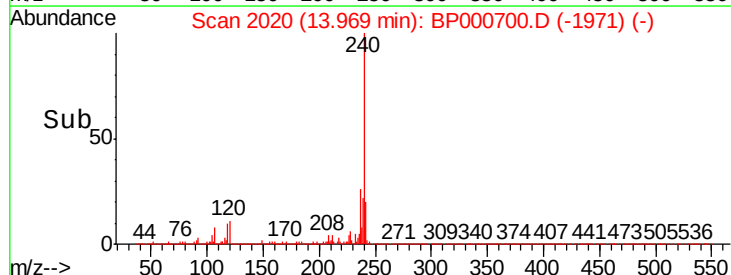
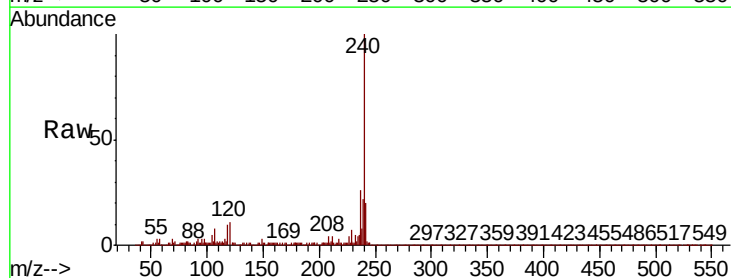
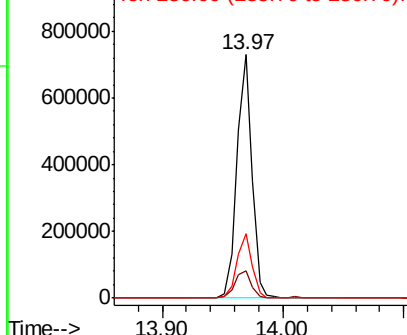
Delta R.T. -0.01 min

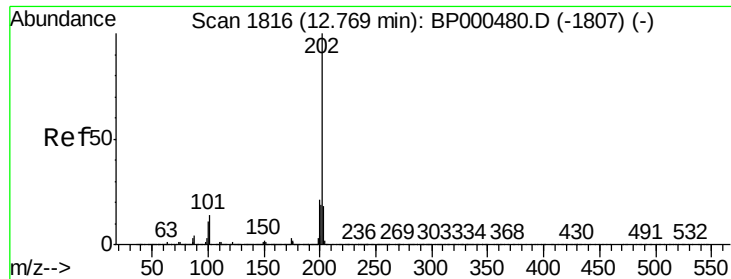
Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

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

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





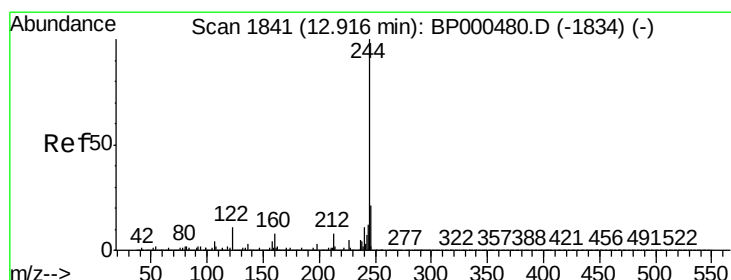
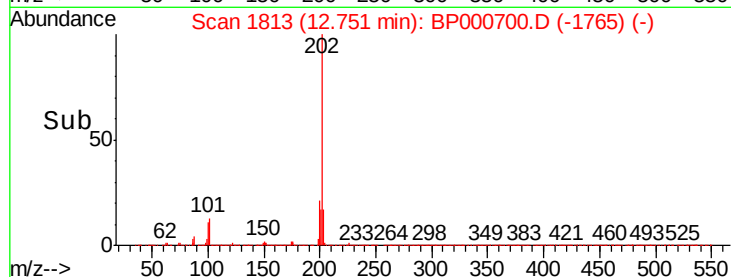
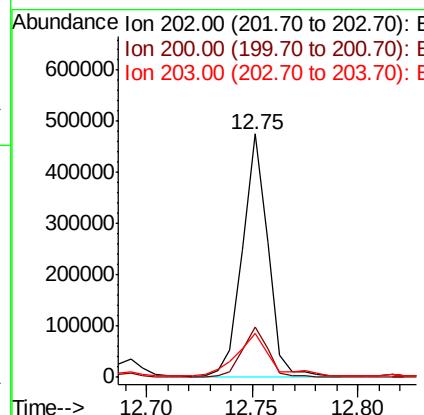
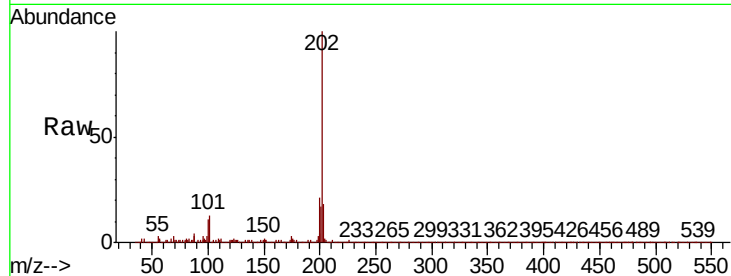
#78
Pvrene
Concen: 8.999 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Instrument :
BNA_P
ClientSampleId :
20190833-COMPOSITE-I

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.7	17.1	25.7	
203	17.9	14.6	21.8	

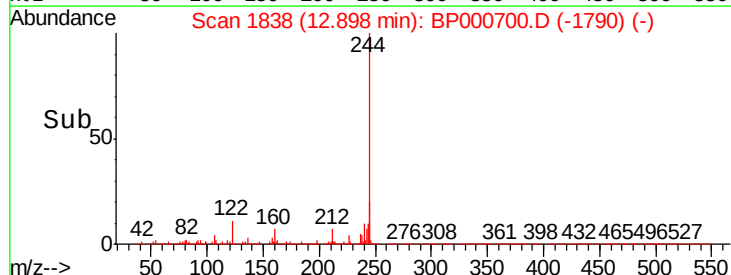
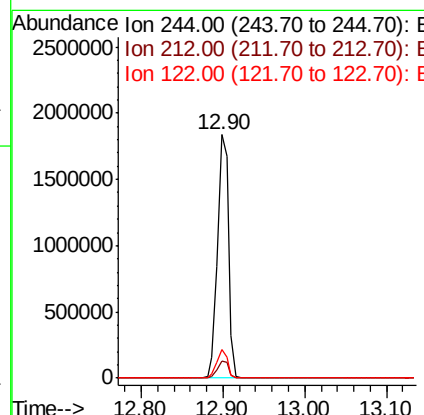
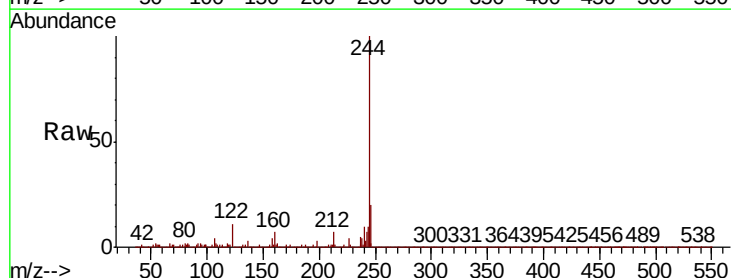
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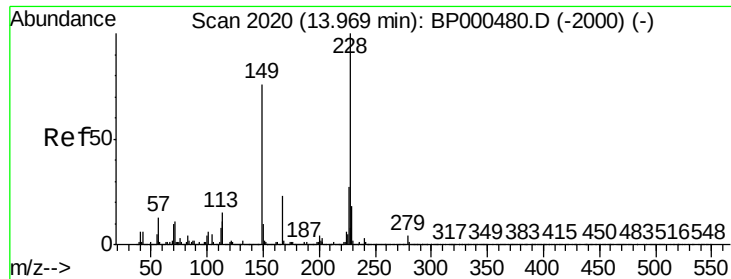
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#79
Terphenyl-d14
Concen: 55.331 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.0	6.0	9.0	
122	11.5	8.9	13.3	





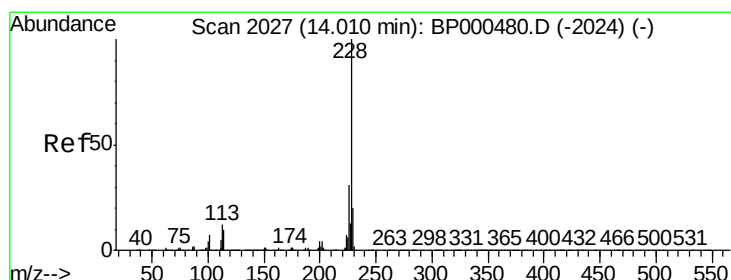
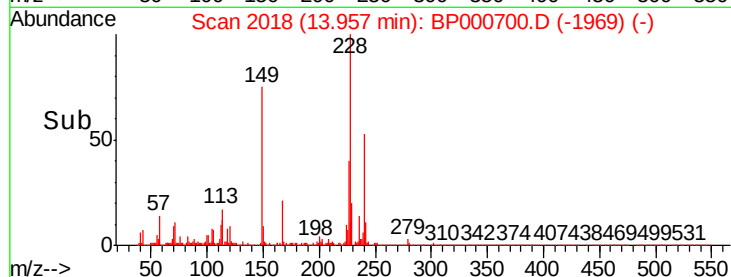
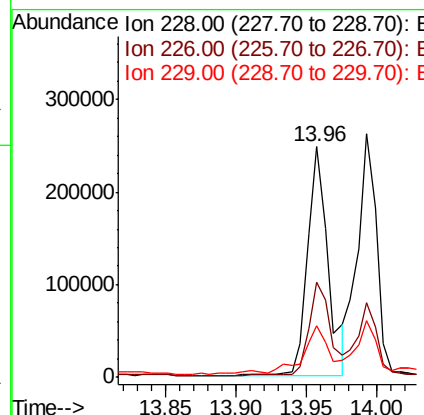
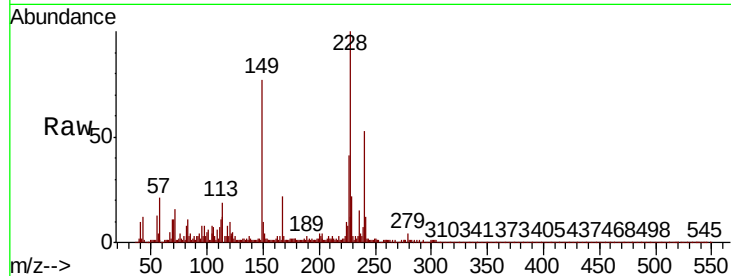
#81
Benzo(a)anthracene
Concen: 6.511 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Instrument :
BNA_P
ClientSampleId :
20190833-COMPOSITE-I

Tot Ion	Ratio	Lower	Upper
228	100		
226	41.3	21.4	32.2#
229	22.2	14.7	22.1#

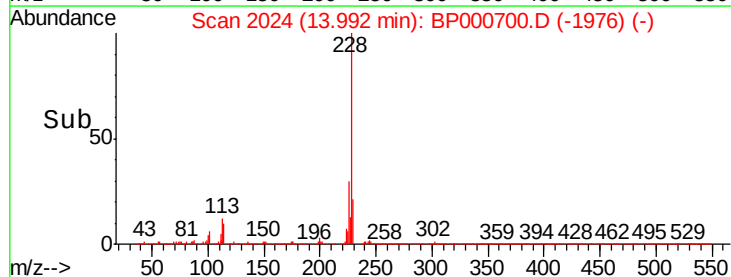
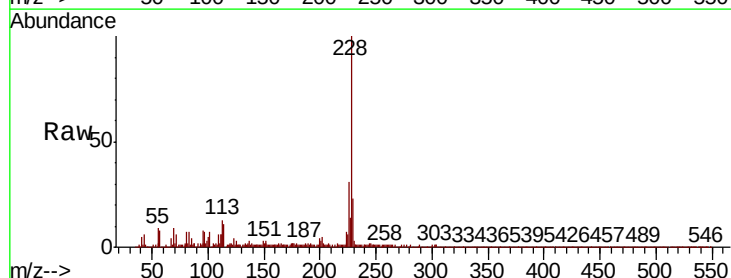
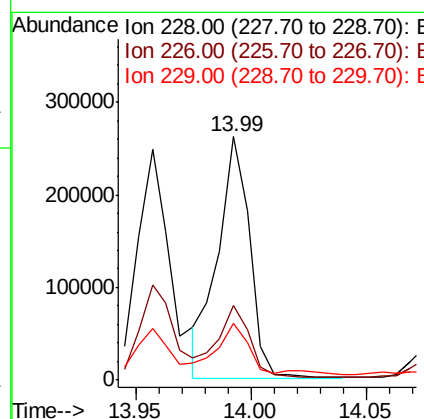
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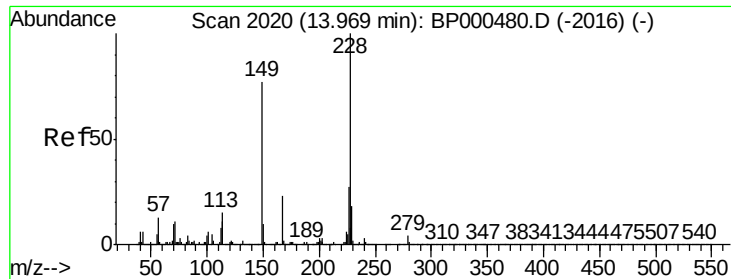
mohammad
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#83
Chrysene
Concen: 6.601 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	23.1	16.3	24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.346 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Instrument :

BNA_P

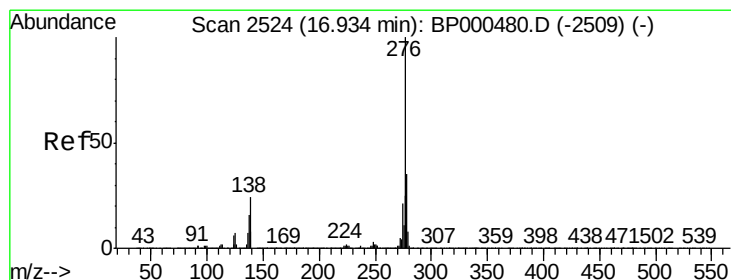
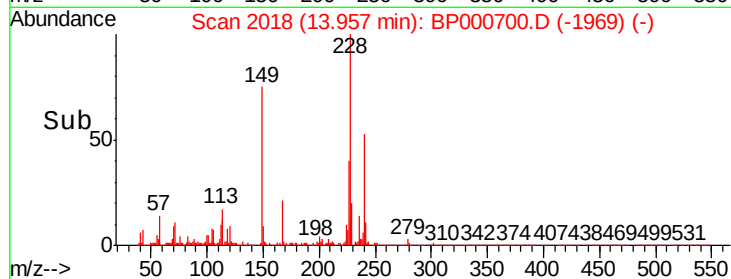
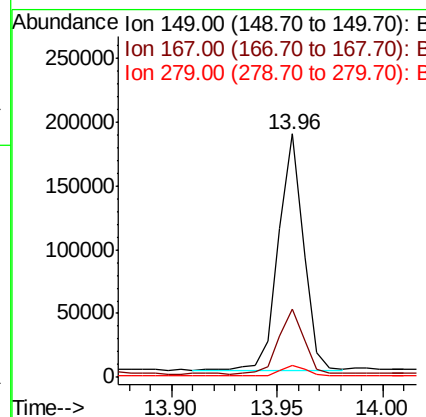
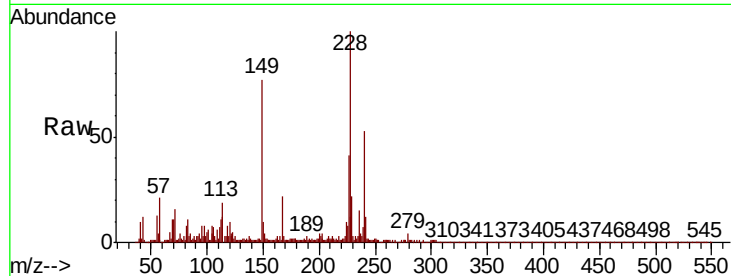
ClientSampleId :

20190833-COMPOSITE-I

Tot Ion:	149	Resp:	151418
Ion Ratio	Lower	Upper	
149	100		
167	28.2	23.6	35.4
279	5.0	3.9	5.9

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#86

Indeno(1,2,3-cd)pyrene

Concen: 2.690 ng

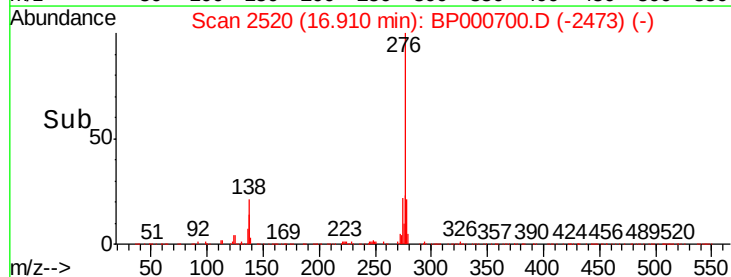
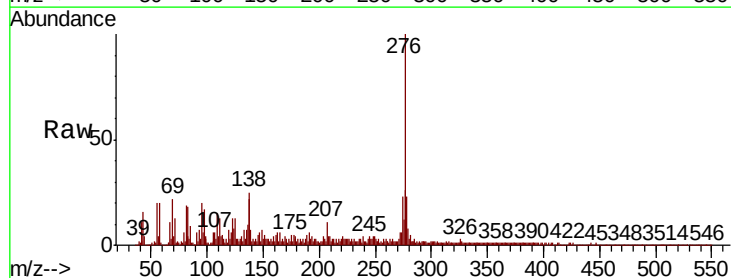
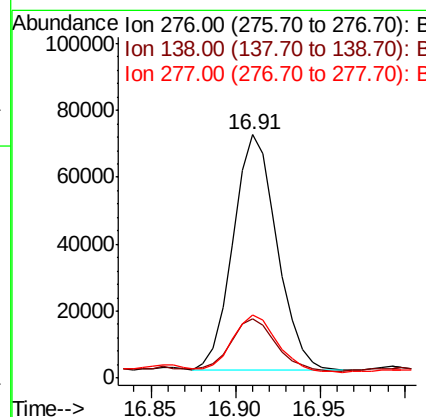
RT: 16.91 min Scan# 2520

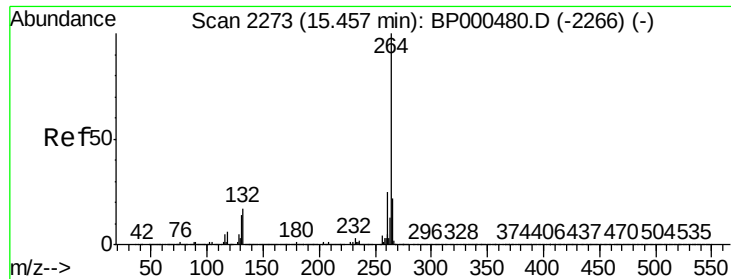
Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Tgt Ion:	276	Resp:	127051
Ion Ratio	Lower	Upper	
276	100		
138	22.6	20.9	31.3
277	25.6	20.6	30.8





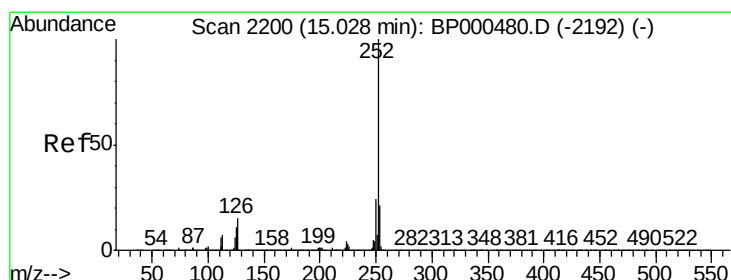
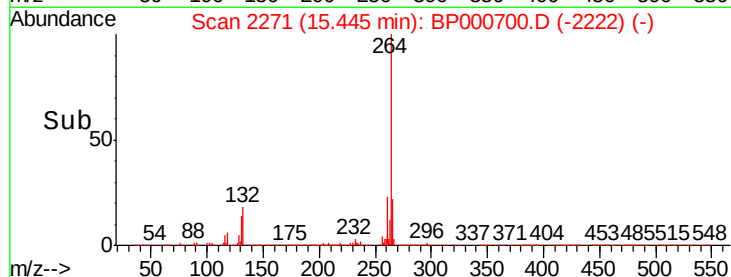
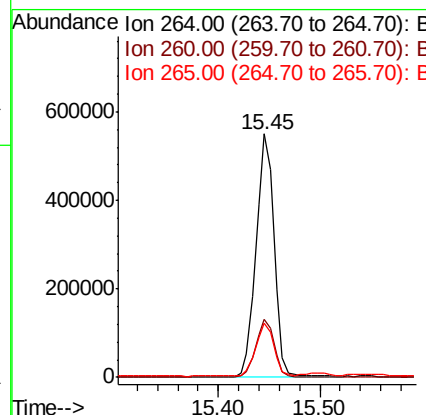
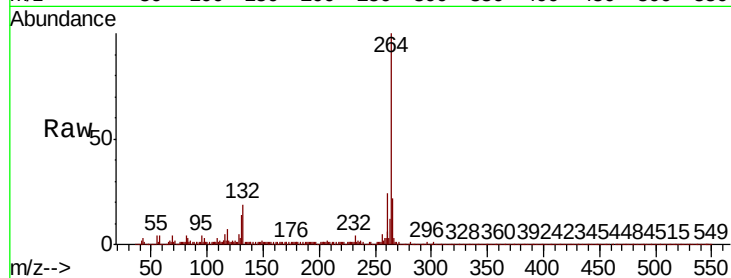
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Instrument :
BNA_P
ClientSampleId :
20190833-COMPOSITE-I

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	20.3	30.5
265	22.1	18.0	27.0

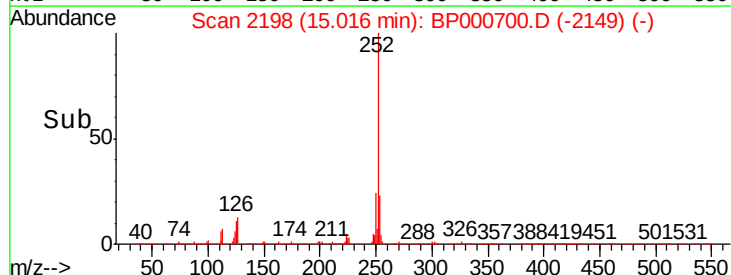
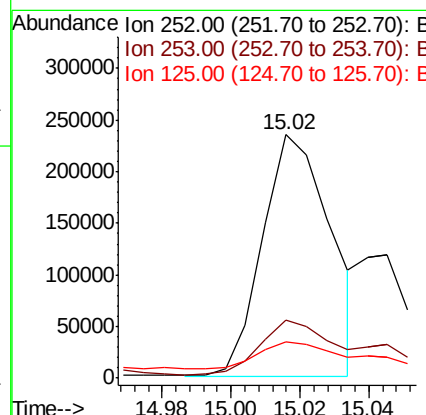
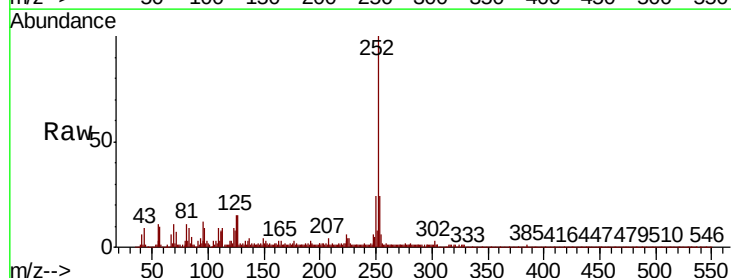
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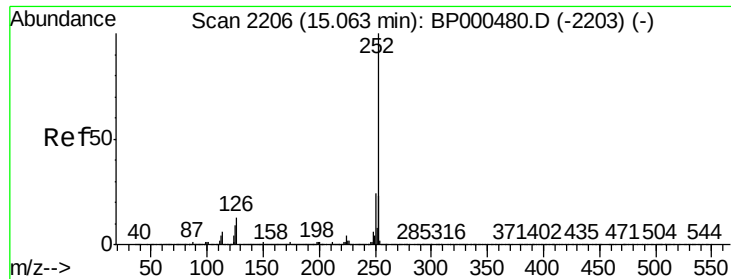
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#88
Benzo(b)fluoranthene
Concen: 8.399 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BP000700.D
Acq: 13 Oct 2019 04:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.4
125	15.0	8.9	13.3#





#89

Benzo(k)fluoranthene

Concen: 2.925 ng/mL

RT: 15.05 min Scan# 2203

Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Instrument :

BNA_P

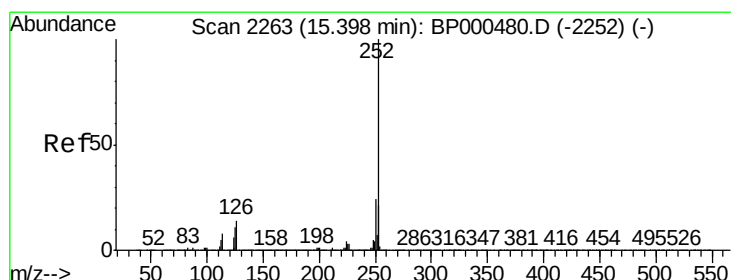
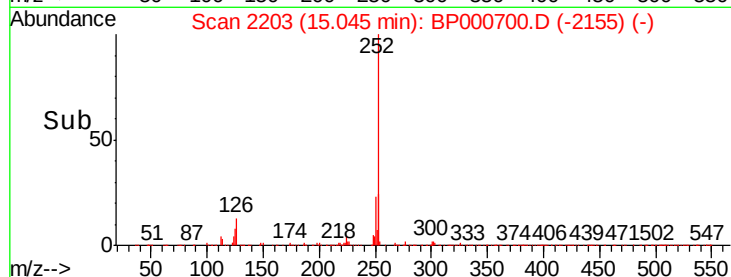
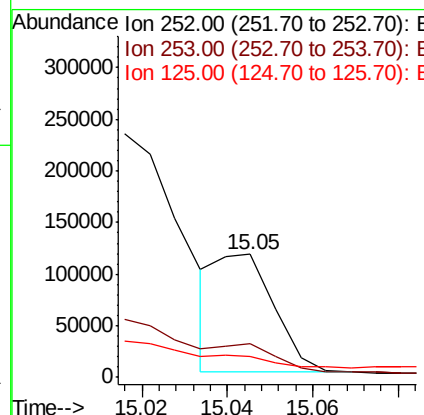
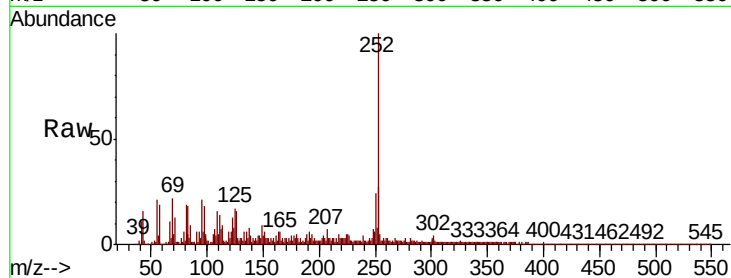
ClientSampleId :

20190833-COMPOSITE-I

Tot Ion:	252	Resp:	106998
Ion Ratio	Lower	Upper	
252	100		
253	27.3	18.4	27.6
125	16.7	7.8	11.8#

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 6.907 ng/mL

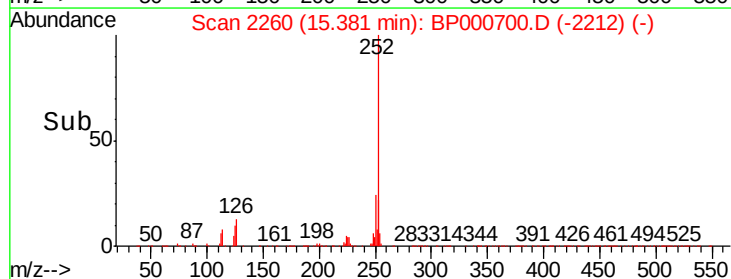
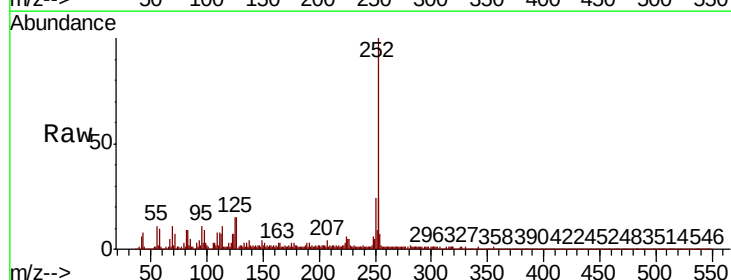
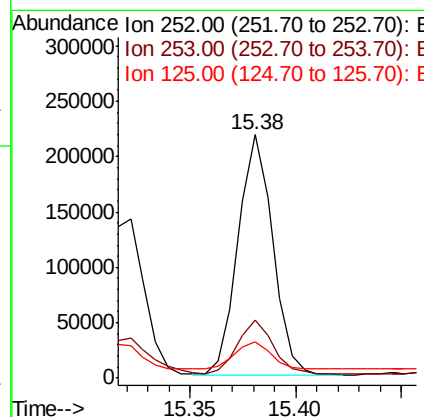
RT: 15.38 min Scan# 2260

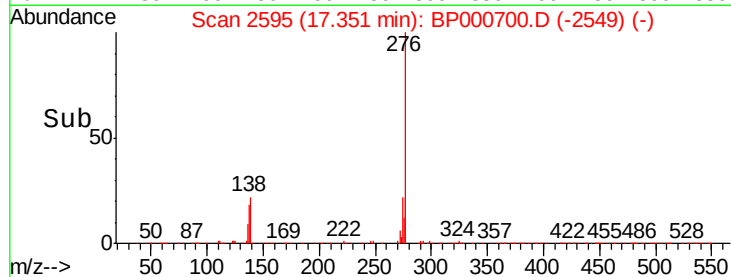
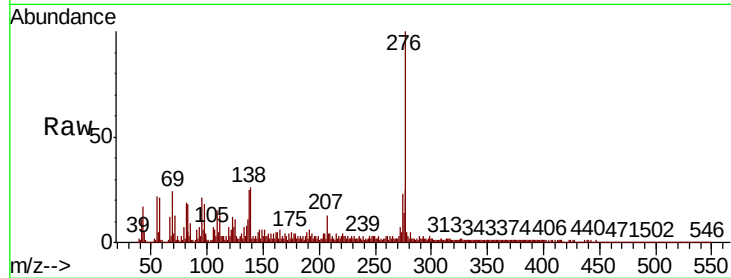
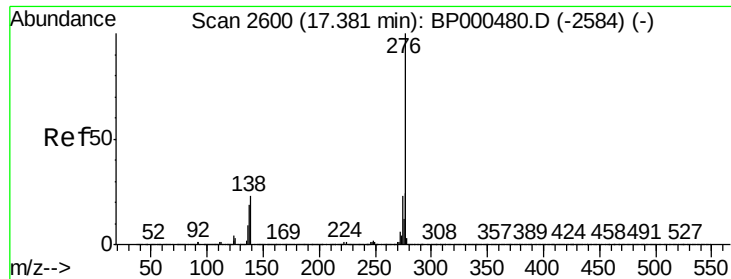
Delta R.T. -0.02 min

Lab File: BP000700.D

Acq: 13 Oct 2019 04:29

Tgt Ion:	252	Resp:	247352
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.0	25.6
125	14.7	8.4	12.6#





#92
 Benzo(a,h,i)perylene
 Concen: 3.648 ng
 RT: 17.35 min Scan# 2595
 Delta R.T. -0.03 min
 Lab File: BP000700.D
 Acq: 13 Oct 2019 04:29

Instrument :
 BNA_P
 ClientSampleId :
 20190833-COMPOSITE-I

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.4	29.2
138	25.7	18.5	27.7

Manual Integrations
 APPROVED

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 10/16/2019 8:08:55 AM

