

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091919\
 Data File : BP000333.D
 Acq On : 19 Sep 2019 16:28
 Operator : HP/JU
 Sample : K4962-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1-5

Manual Integrations
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Quant Time: Sep 20 05:17:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	226707	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	815731	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	439089	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	787566	20.00	ng	0.00
76) Chrysene-d12	13.99	240	672579	20.00	ng	0.00
87) Perylene-d12	15.47	264	782824	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	1119689	85.26	ng	0.00
7) Phenol-d6	6.42	99	1437011	89.27	ng	0.00
23) Nitrobenzene-d5	7.35	82	780632	61.74	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	419315	96.28	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1834553	75.20	ng	0.00
79) Terphenyl-d14	12.93	244	2089462	65.17	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.43	94	86218	4.714	ng	96
31) Naphthalene	8.09	128	232369	6.151	ng	99
50) Dimethylphthalate	9.55	163	228623	7.642	ng	99
52) Acenaphthene	9.86	154	114484	4.736	ng	98
55) Dibenzofuran	10.04	168	100504	2.941	ng	97
58) Fluorene	10.38	166	93143	3.529	ng	99
71) Phenanthrene	11.35	178	1060617	26.874	ng	99
72) Anthracene	11.40	178	248678	6.121	ng	99
73) Carbazole	11.56	167	178466	4.878	ng	98
75) Fluoranthene	12.55	202	1359886	32.089	ng	96
78) Pyrene	12.78	202	1156572	22.984	ng	99
81) Benzo(a)anthracene	13.98	228	752829	17.720	ng	99
83) Chrysene	14.02	228	667615	16.004	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	469458m	9.233	ng	
88) Benzo(b)fluoranthene	15.05	252	1089667m	23.333	ng	
89) Benzo(k)fluoranthene	15.07	252	301422m	7.399	ng	
90) Benzo(a)pyrene	15.41	252	760586	17.899	ng	99
91) Dibenzo(a,h)anthracene	16.97	278	125041	3.156	ng	96
92) Benzo(a,h,i)perylene	17.40	276	407894	10.016	ng	97

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

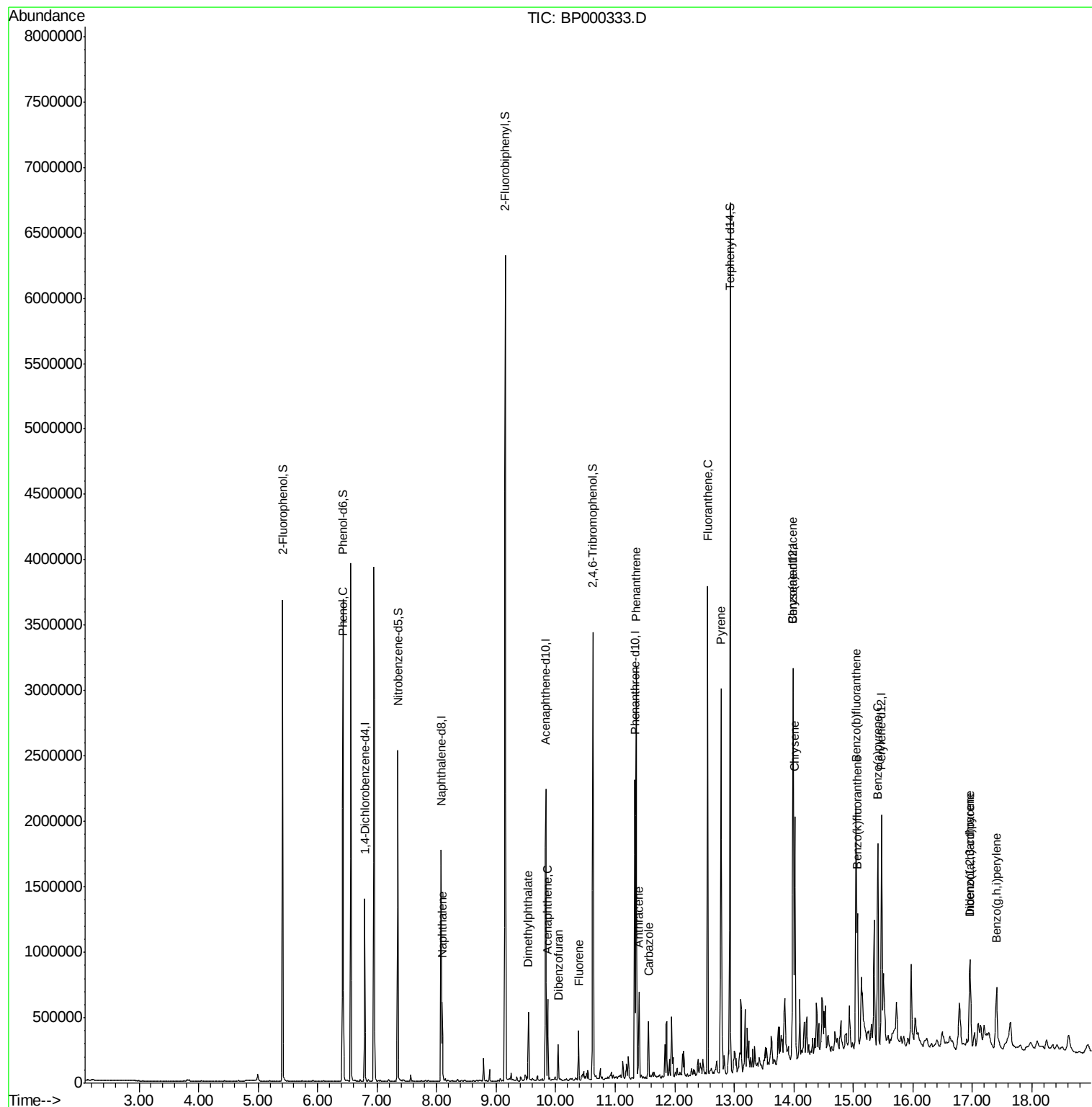
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091919\
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ALS Vial : 18 Sample Multiplier: 1

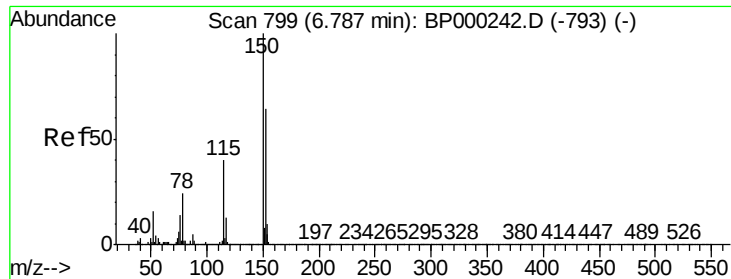
Instrument :
BNA_P
ClientSampleId :
TP-1-5

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#1

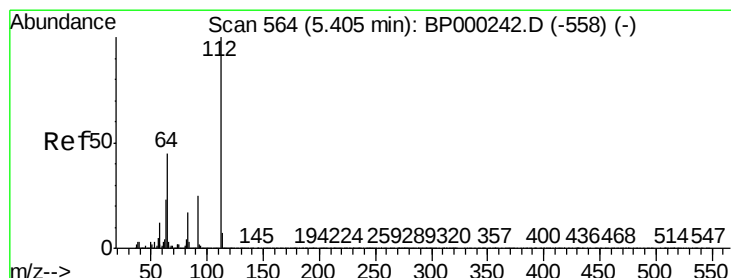
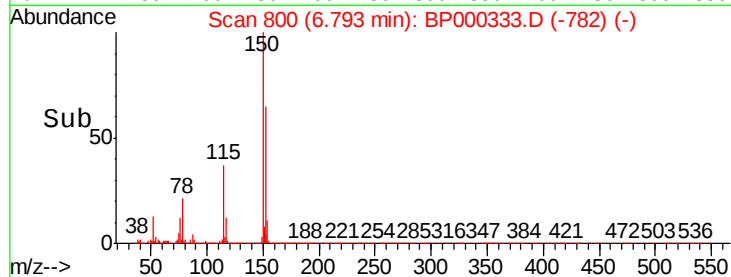
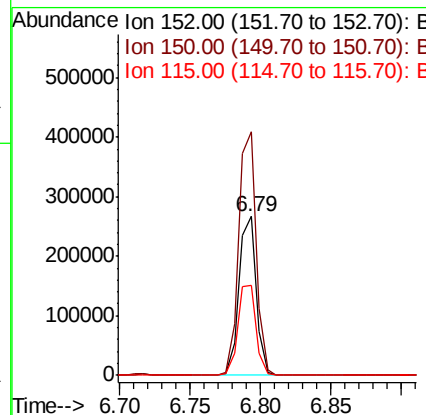
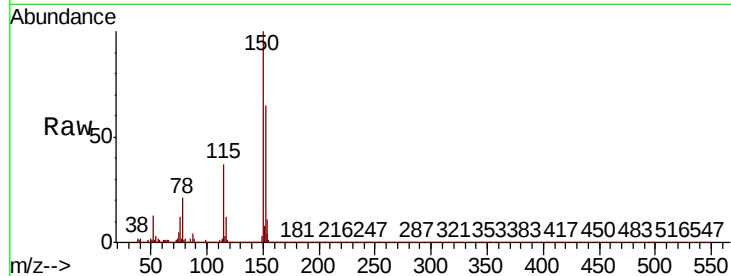
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Instrument :
BNA_P
ClientSampled :
TP-1-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.2	187.8
115	56.6	49.7	74.5

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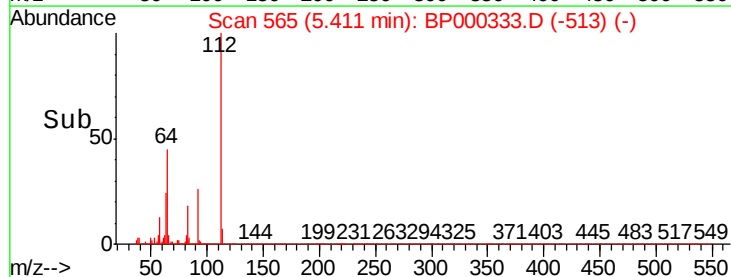
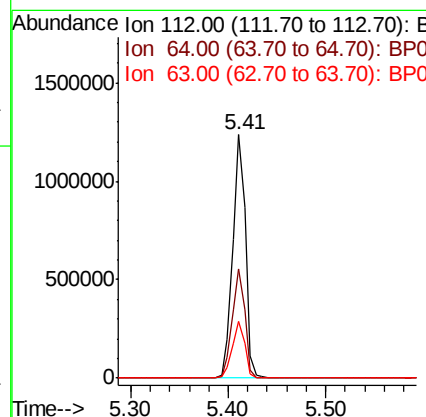
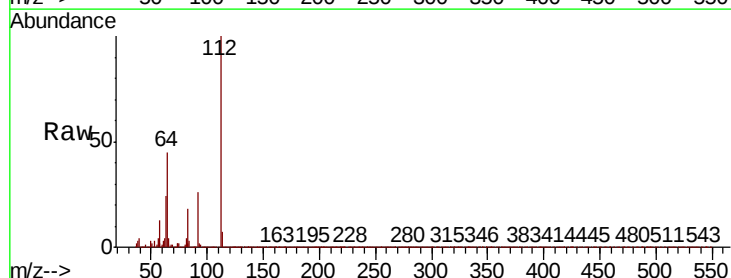
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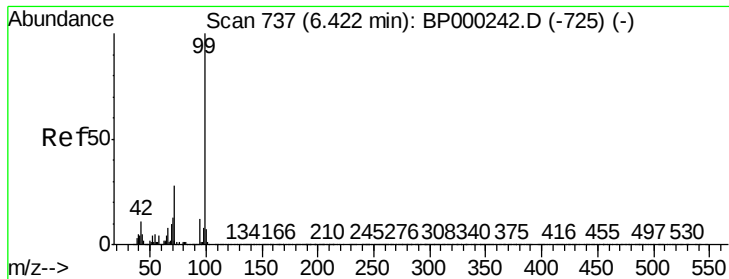


#5

2-Fluorophenol
Concen: 85.263 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.9	36.2	54.4
63	23.6	18.3	27.5





#7

Phenol-d6

Concen: 89.271 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BP000333.D

Acq: 19 Sep 2019 16:28

Instrument :

BNA_P

ClientSampleId :

TP-1-5

Tot Ion: 99 Resp: 1437011

Ion Ratio Lower Upper

99 100

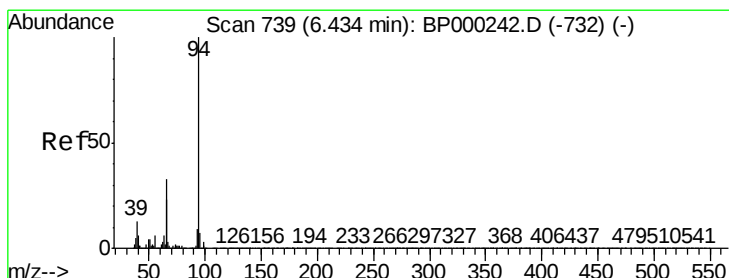
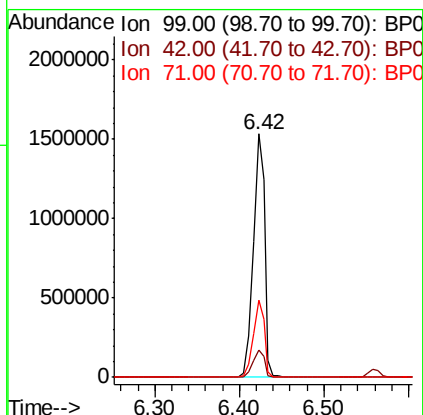
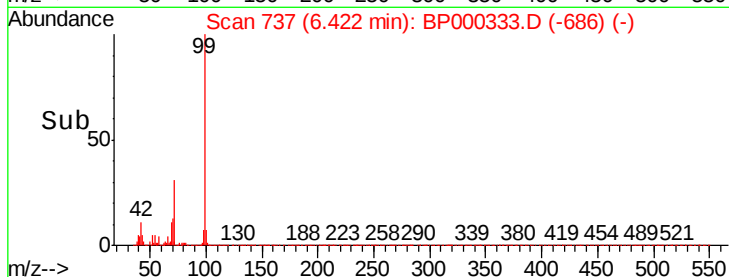
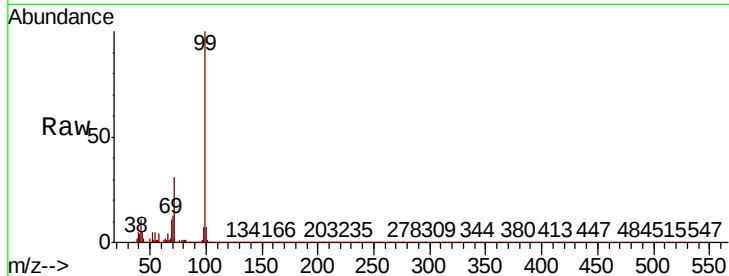
42 11.3 8.5 12.7

71 31.5 22.6 34.0

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#10

Phenol

Concen: 4.714 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BP000333.D

Acq: 19 Sep 2019 16:28

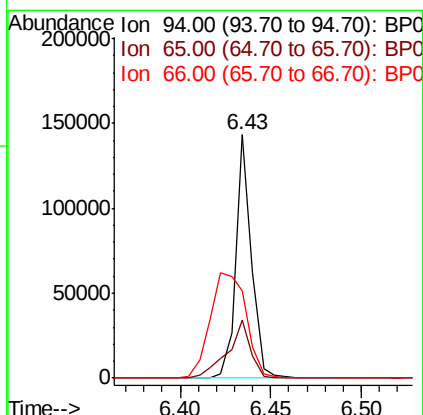
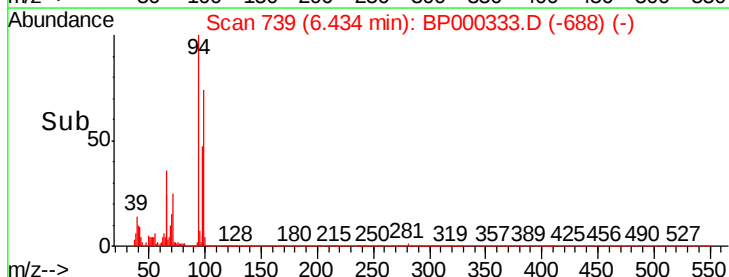
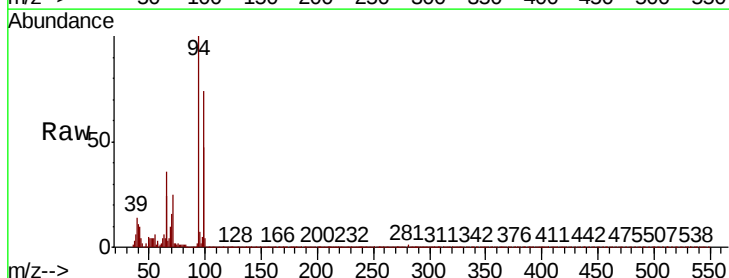
Tgt Ion: 94 Resp: 86218

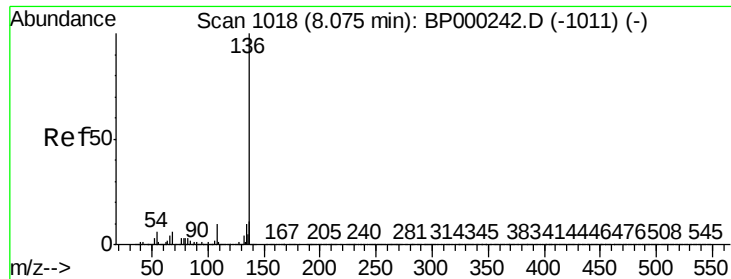
Ion Ratio Lower Upper

94 100

65 23.7 3.3 43.3

66 35.9 12.7 52.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BP000333.D

Acq: 19 Sep 2019 16:28

Instrument :

BNA_P

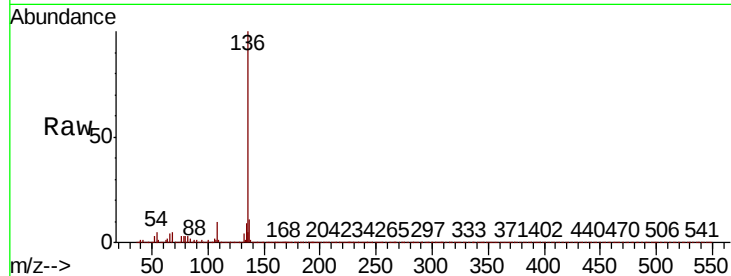
ClientSampleId :

TP-1-5

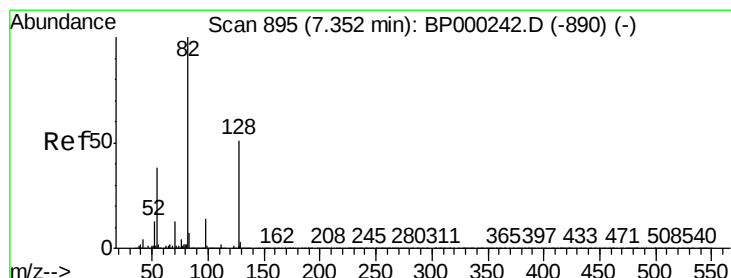
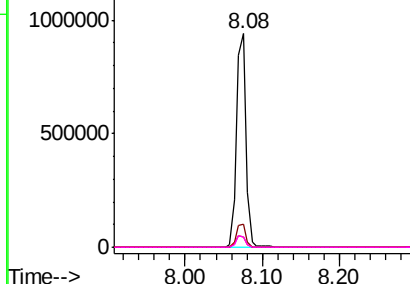
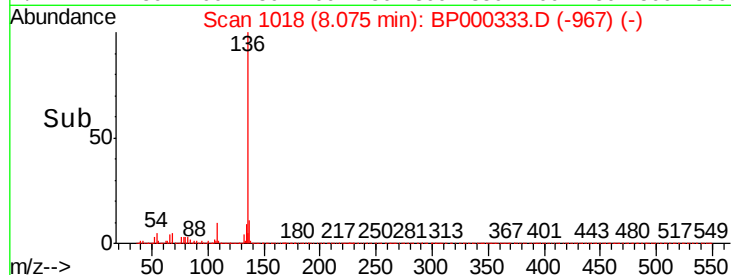
Tot Ion	Ratio	Resp	Lower	Upper
136	100	815731		
137	11.0	8.6	13.0	
54	4.8	4.5	6.7	
68	4.8	4.5	6.7	

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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: 61.743 ng

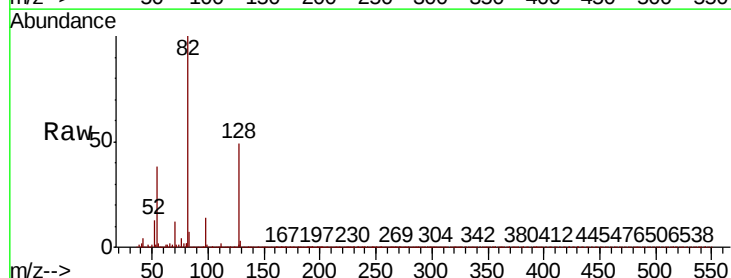
RT: 7.35 min Scan# 894

Delta R.T. -0.01 min

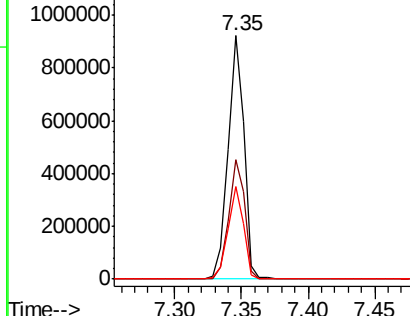
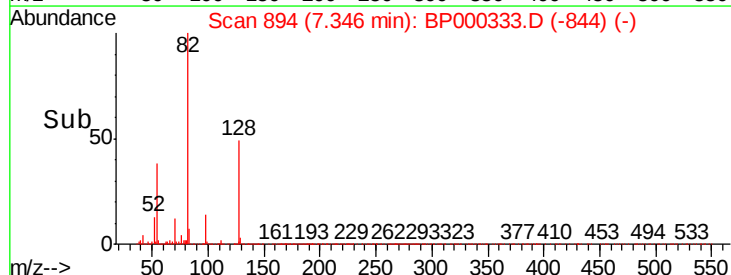
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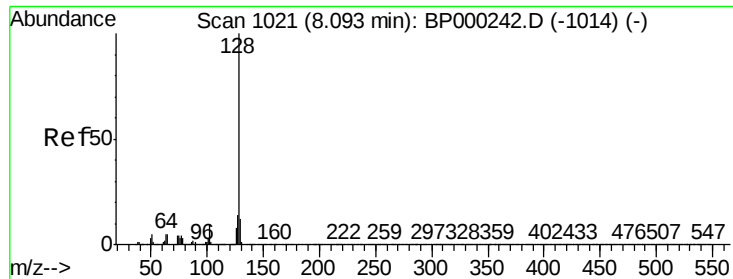
Acq: 19 Sep 2019 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	780632		
128	48.9	40.7	61.1	
54	38.2	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





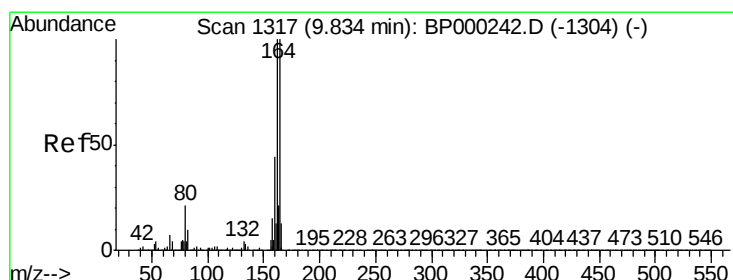
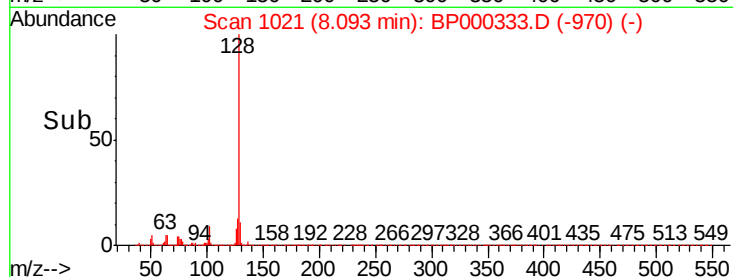
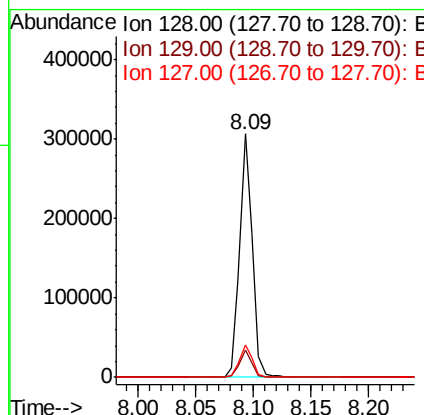
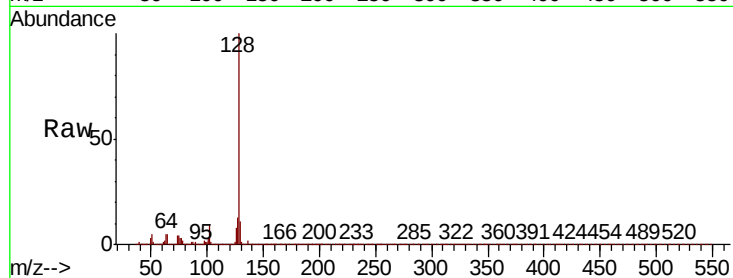
#31
Naphthalene
Concen: 6.151 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Instrument :
BNA_P
ClientSampleId :
TP-1-5

Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.1	11.0	16.6

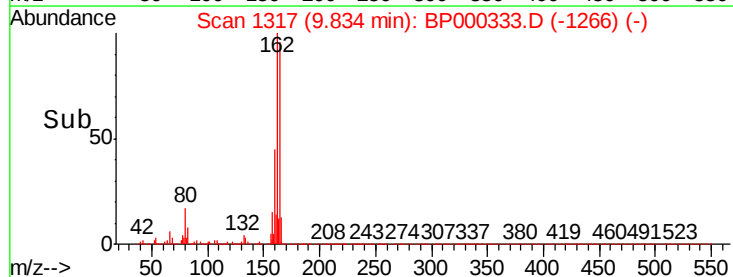
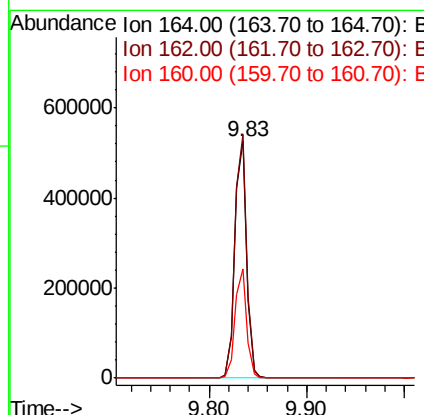
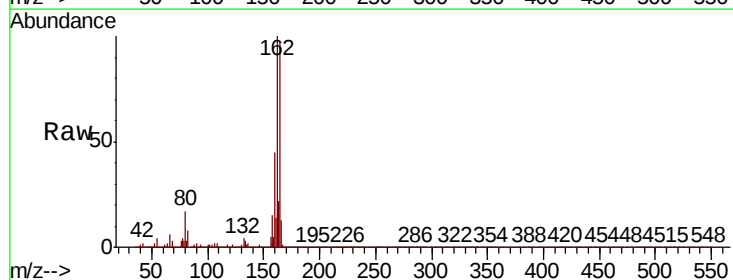
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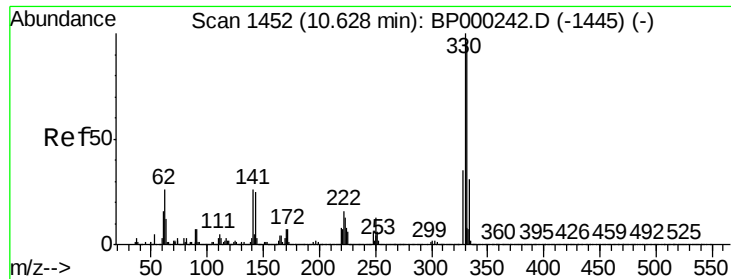
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	102.8	79.9	119.9
160	46.0	35.6	53.4





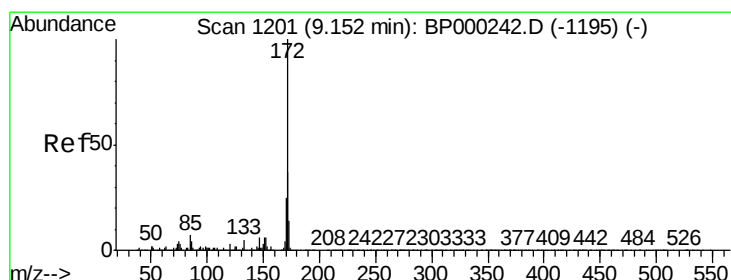
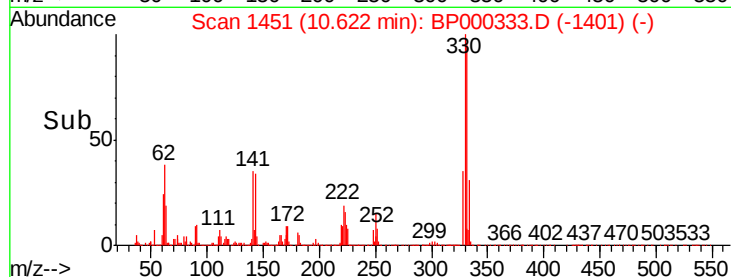
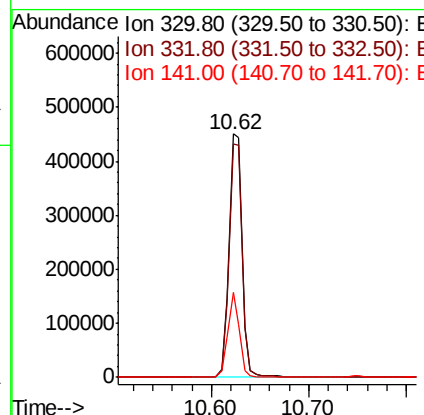
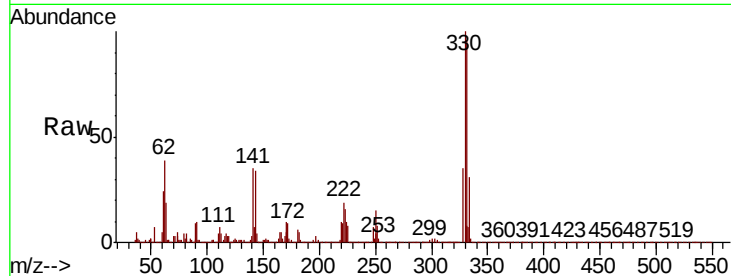
#42
 2,4,6-Tribromophenol
 Concen: 96.280 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BP000333.D
 Acq: 19 Sep 2019 16:28

Instrument :
 BNA_P
 ClientSampleId :
 TP-1-5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	419315		
332	96.3	76.6	115.0	
141	30.6	26.5	39.7	

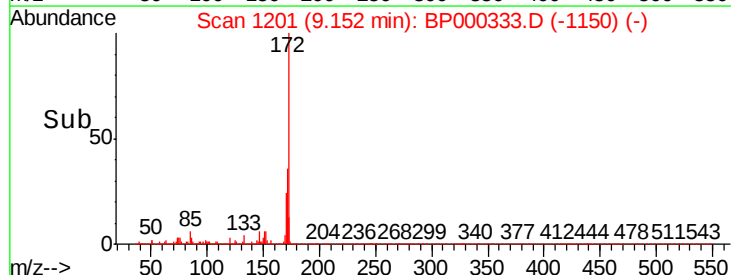
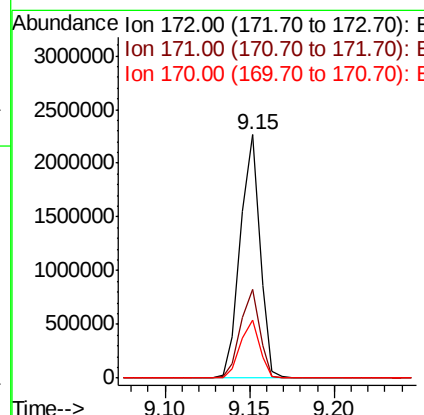
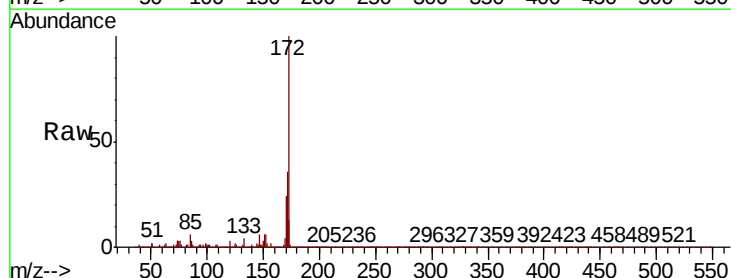
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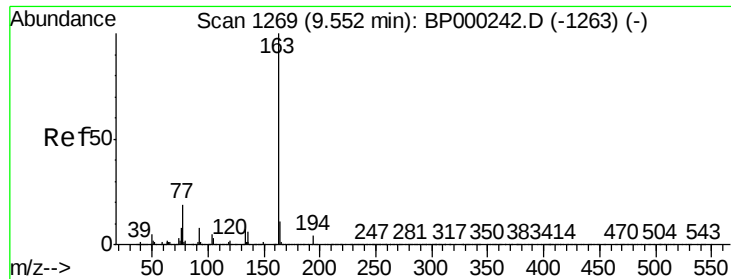
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#45
 2-Fluorobiphenyl
 Concen: 75.198 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BP000333.D
 Acq: 19 Sep 2019 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1834553		
171	36.3	29.8	44.6	
170	23.9	19.8	29.6	





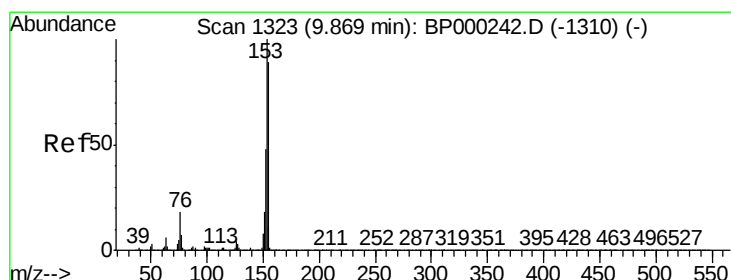
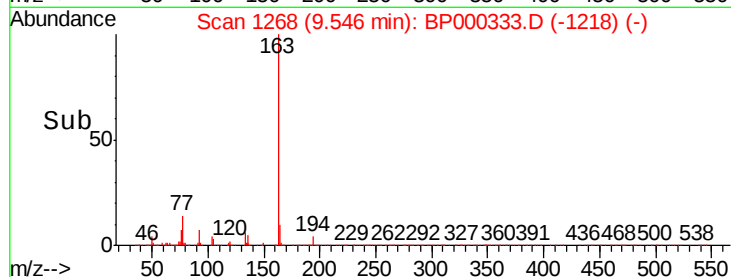
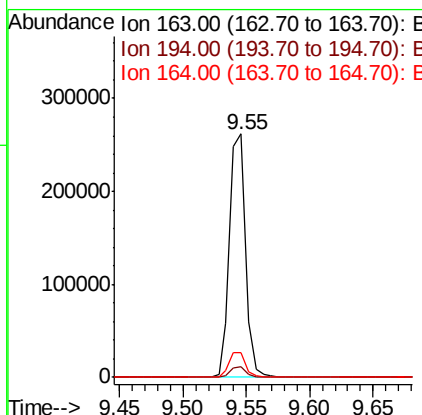
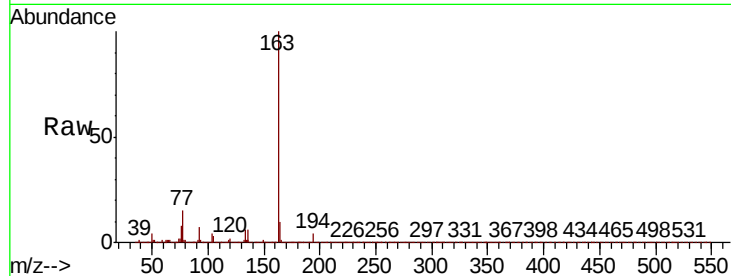
#50
Dimethylphthalate
Concen: 7.642 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Instrument :
BNA_P
ClientSampleId :
TP-1-5

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.0	8.5	12.7

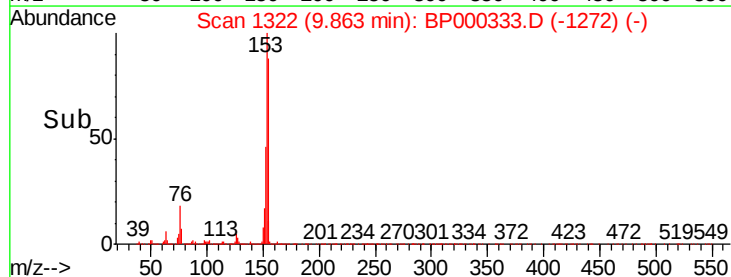
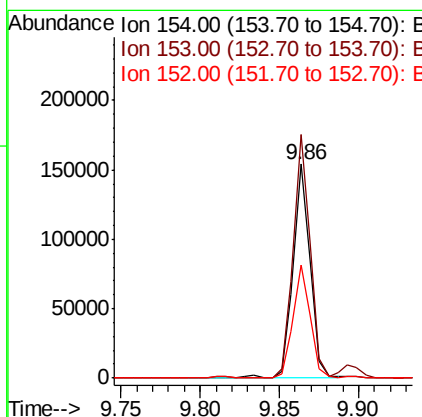
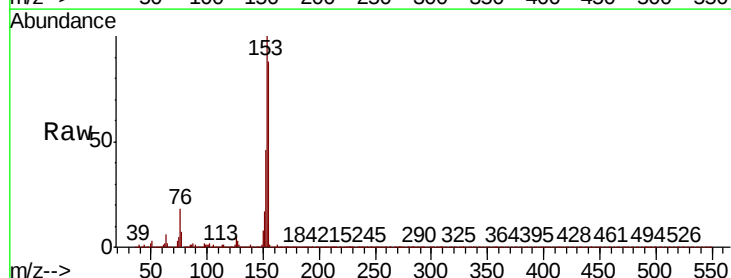
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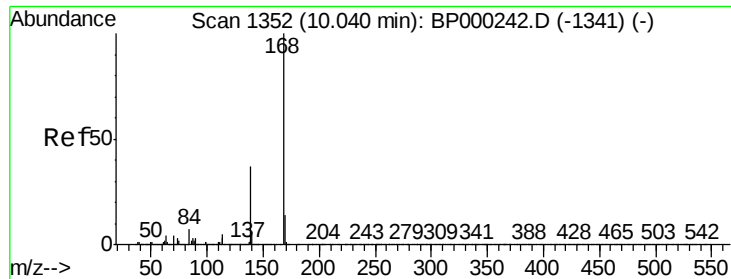
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#52
Acenaphthene
Concen: 4.736 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	113.9	89.8	134.6
152	52.9	43.4	65.0





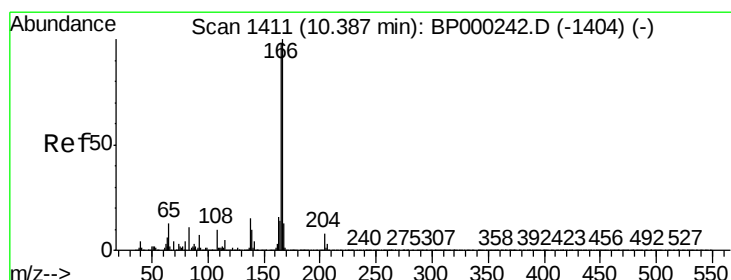
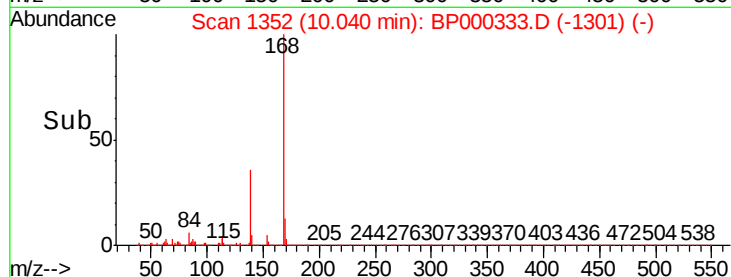
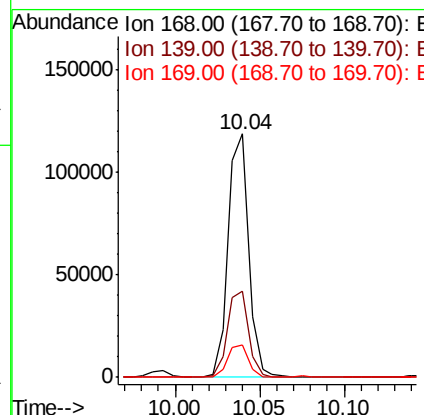
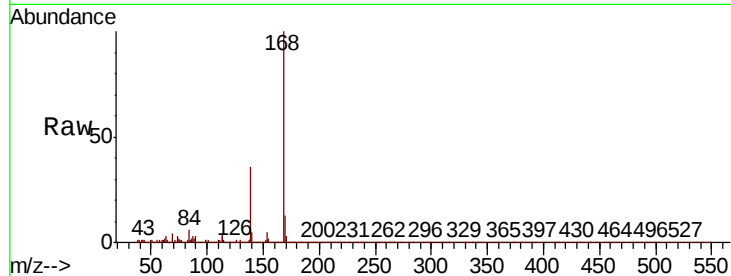
#55
Dibenzenofuran
Concen: 2.941 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Instrument :
BNA_P
ClientSampleId :
TP-1-5

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.5	30.0	45.0
169	13.3	11.0	16.6

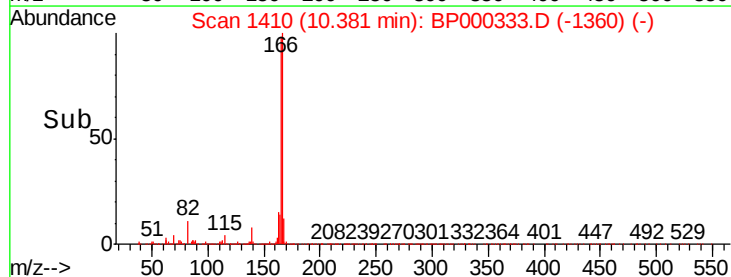
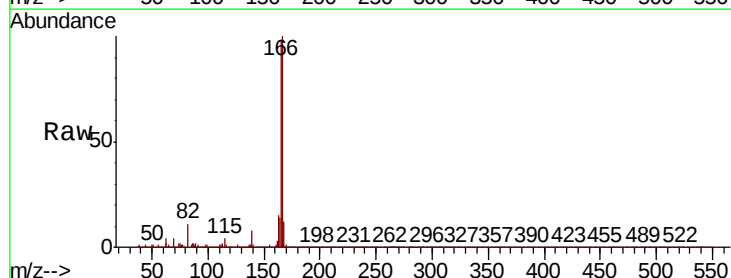
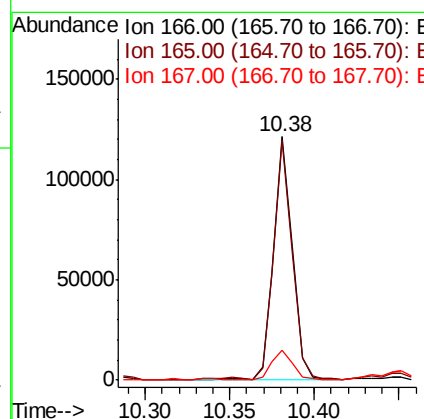
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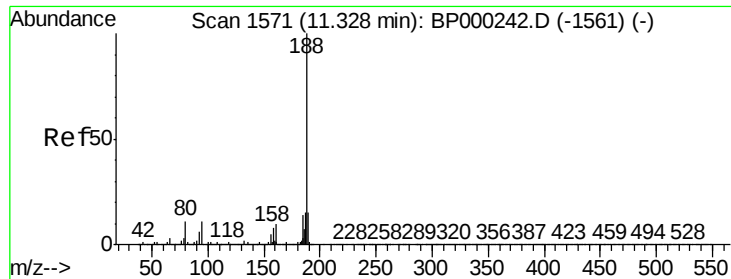
mohammad
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#58
Fluorene
Concen: 3.529 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.2
167	12.4	10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BP000333.D

Acq: 19 Sep 2019 16:28

Instrument :

BNA_P

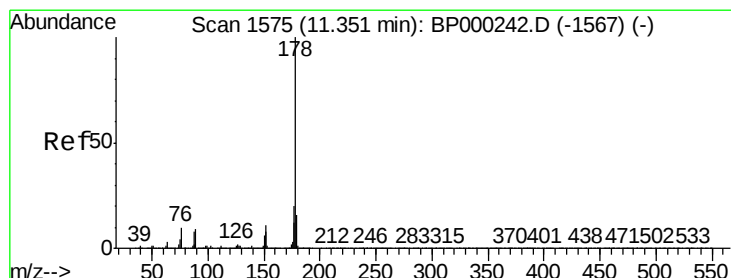
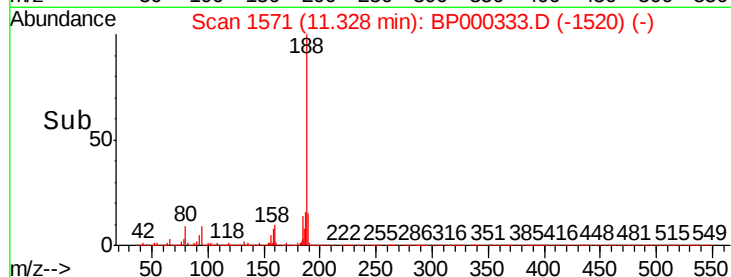
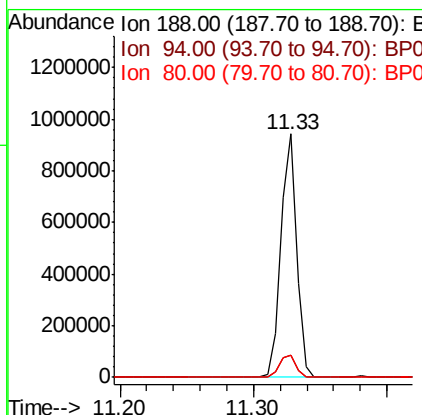
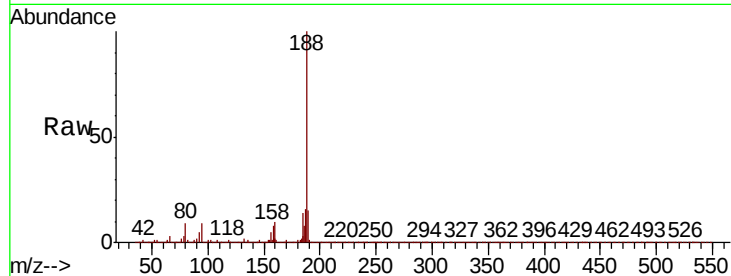
ClientSampleId :

TP-1-5

Tot Ion:	188	Resp:	787566
Ion Ratio	Lower	Upper	
188	100		
94	9.0	8.5	12.7
80	9.0	8.6	13.0

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#71

Phenanthrene

Concen: 26.874 ng

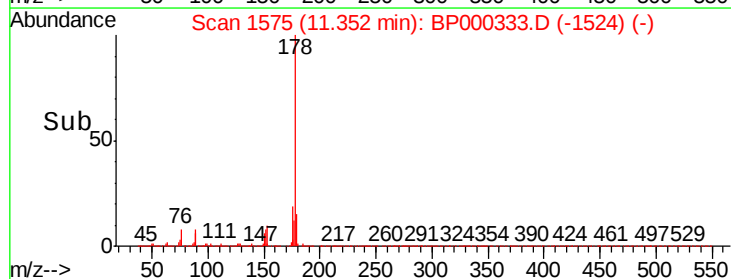
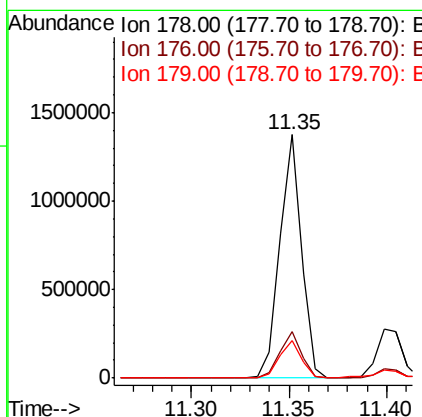
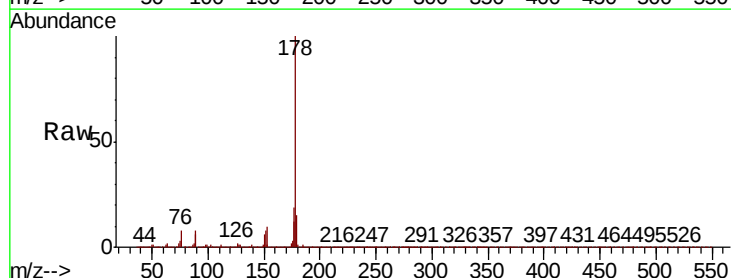
RT: 11.35 min Scan# 1575

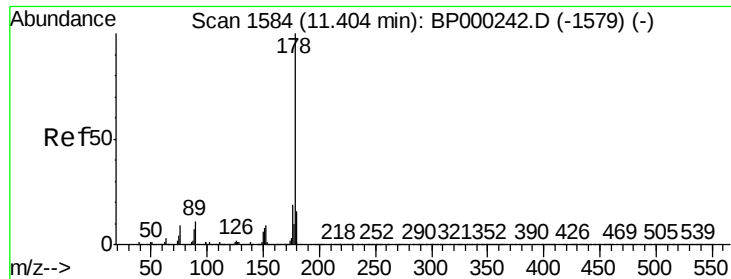
Delta R.T. 0.00 min

Lab File: BP000333.D

Acq: 19 Sep 2019 16:28

Tgt Ion:	178	Resp:	1060617
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.8
179	15.4	12.7	19.1





#72

Anthracene

Concen: 6.121 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BP000333.D

Acq: 19 Sep 2019 16:28

Instrument :

BNA_P

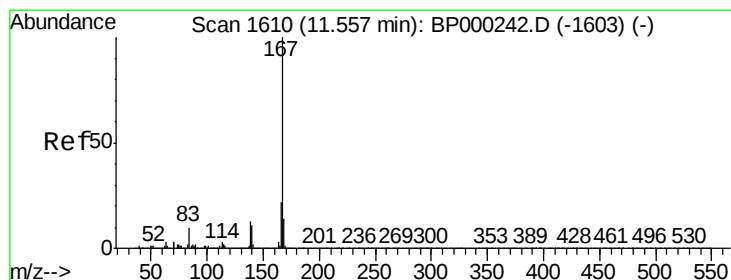
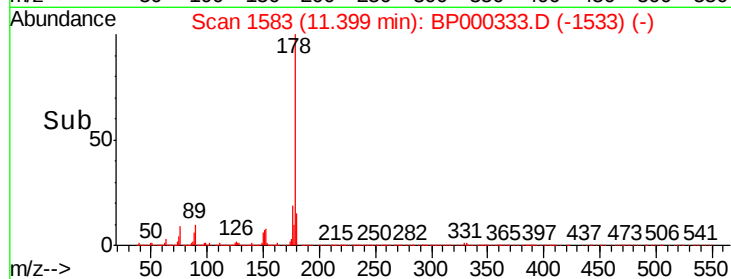
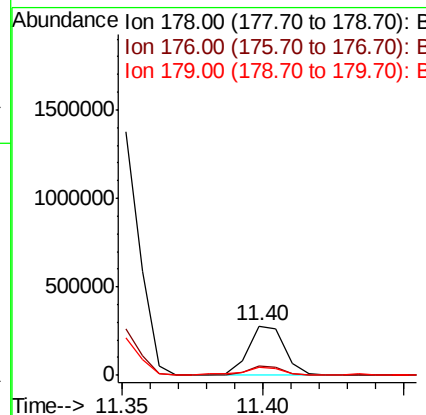
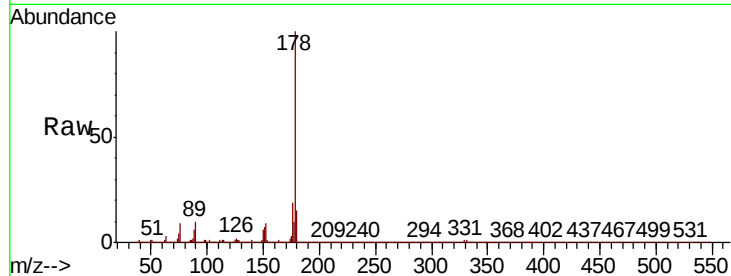
ClientSampled :

TP-1-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.4	12.7	19.1

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#73

Carbazole

Concen: 4.878 ng

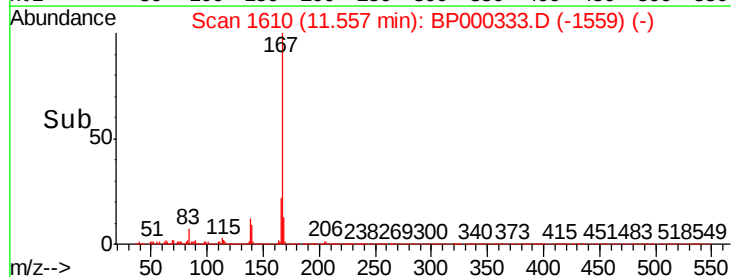
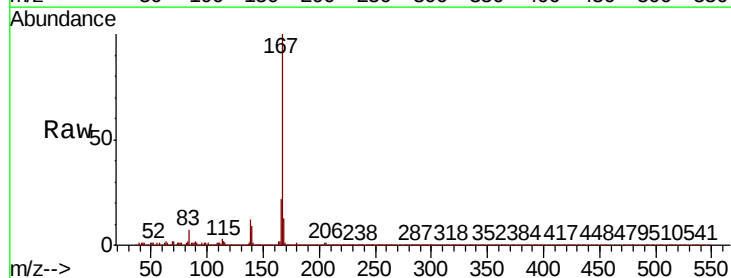
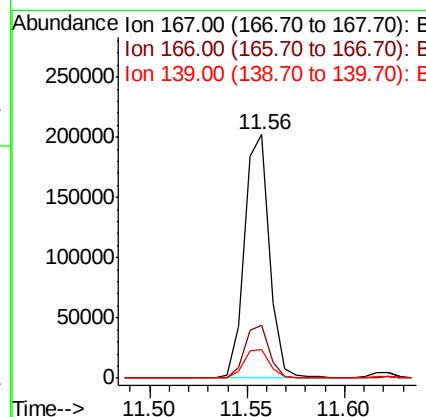
RT: 11.56 min Scan# 1610

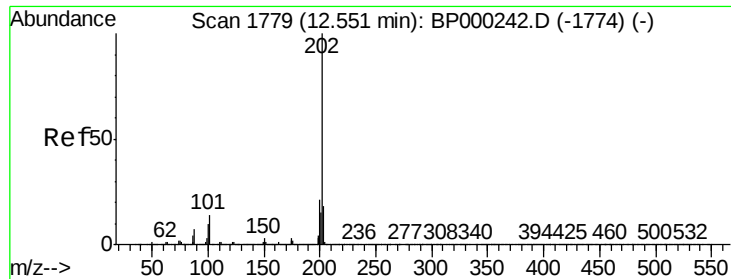
Delta R.T. 0.00 min

Lab File: BP000333.D

Acq: 19 Sep 2019 16:28

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.8	26.8
139	11.8	10.8	16.2





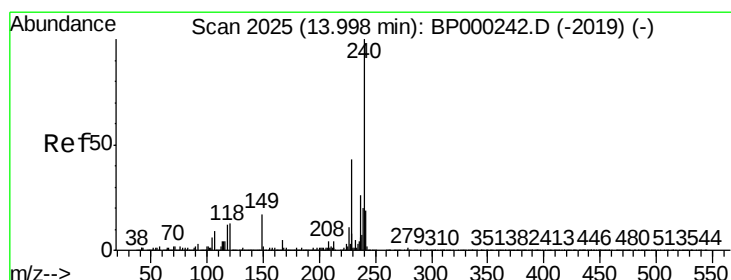
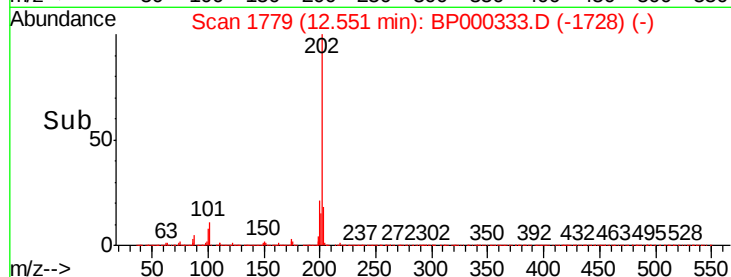
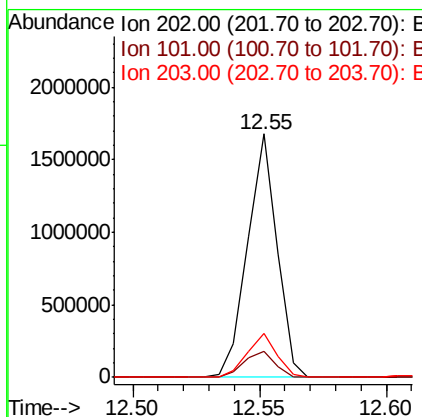
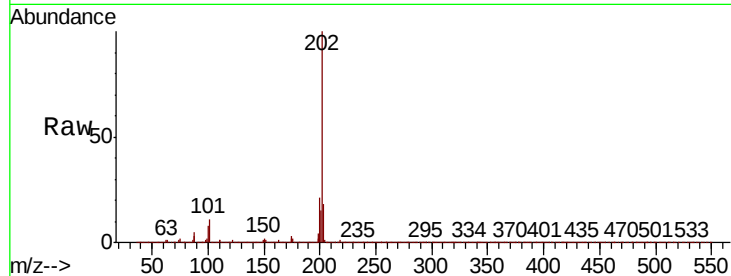
#75
 Fluoranthene
 Concen: 32.089 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: BP000333.D
 Acq: 19 Sep 2019 16:28

Instrument :
 BNA_P
 ClientSampleId :
 TP-1-5

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	33.9
203	17.8	0.0	38.0

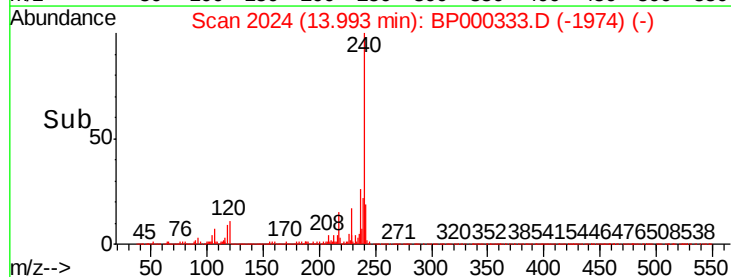
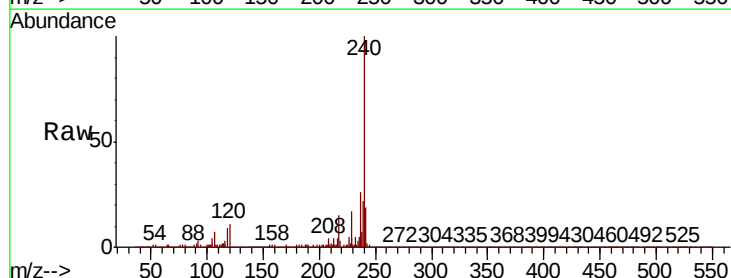
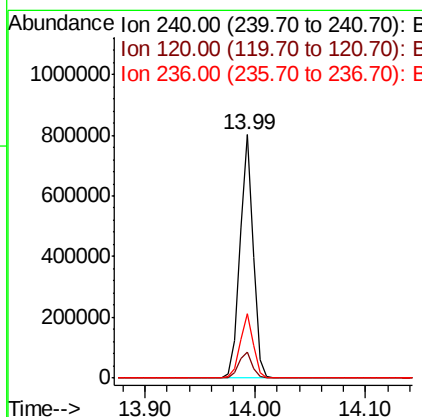
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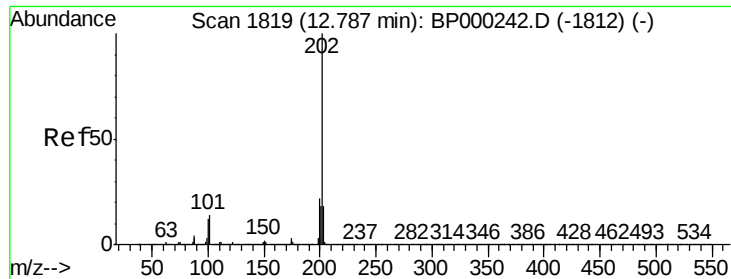
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BP000333.D
 Acq: 19 Sep 2019 16:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	10.4	15.6
236	26.3	21.0	31.6





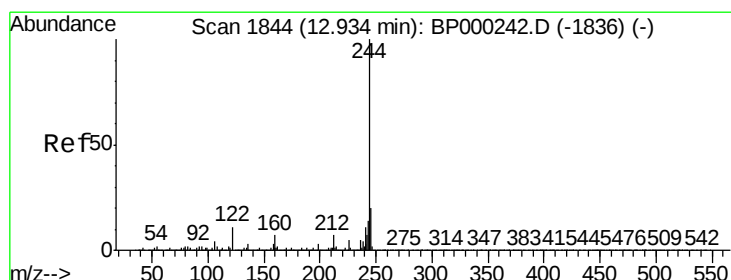
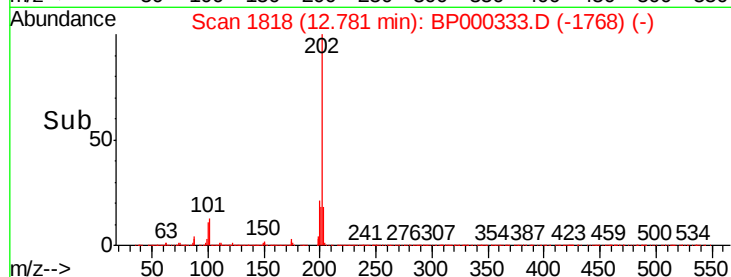
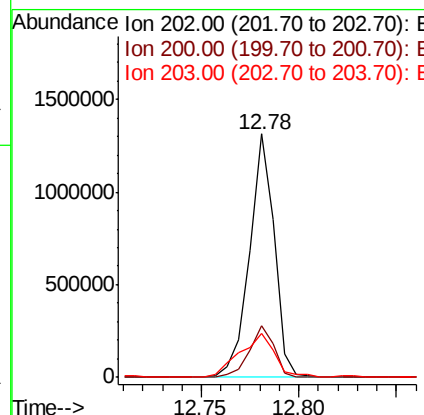
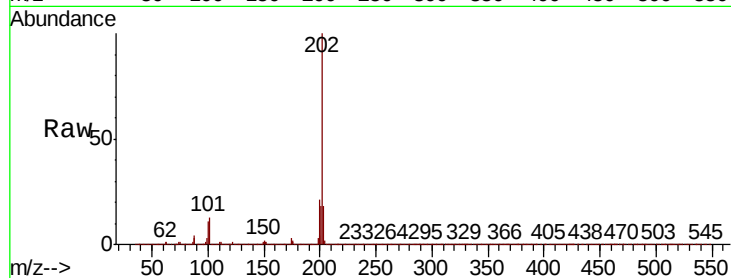
#78
Pvrene
Concen: 22.984 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Instrument :
BNA_P
ClientSampleId :
TP-1-5

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.5	26.3
203	17.9	14.3	21.5

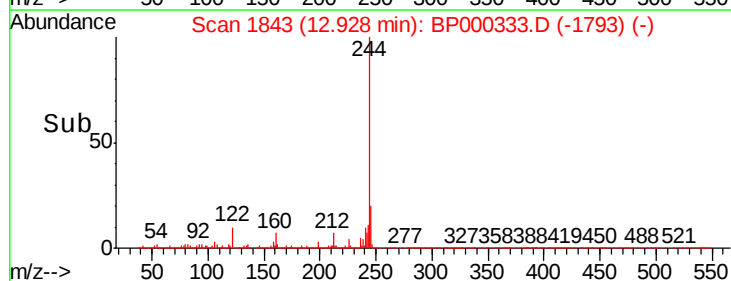
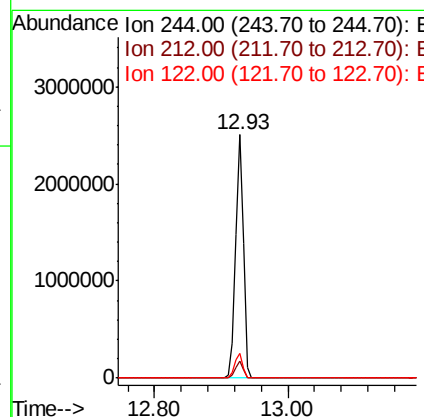
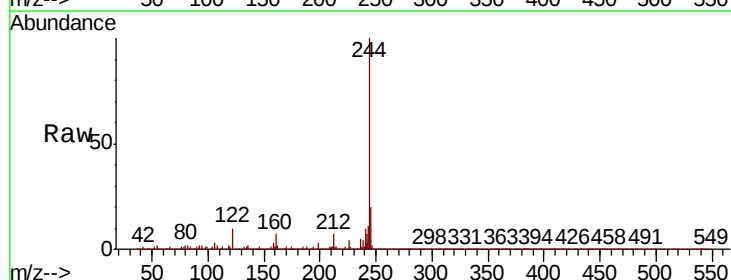
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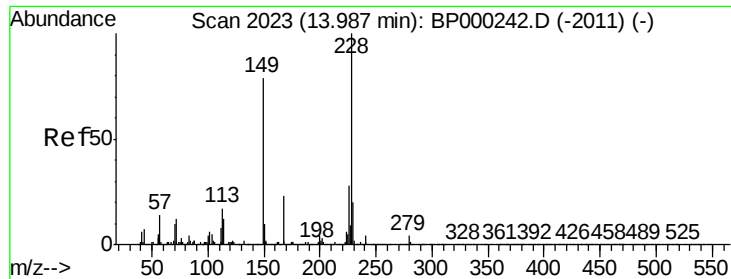
mohammad
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#79
Terphenyl-d14
Concen: 65.173 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	10.0	9.0	13.4





#81

Benzo(a)anthracene

Concen: 17.720 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BP000333.D

Acq: 19 Sep 2019 16:28

Instrument :

BNA_P

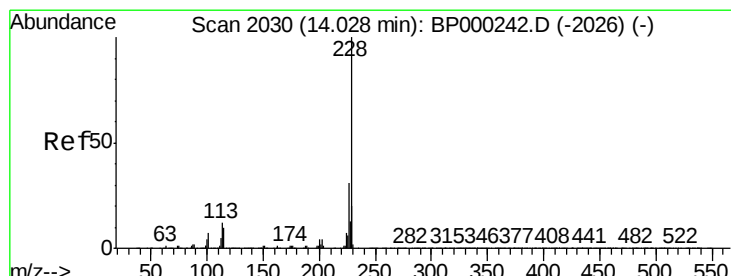
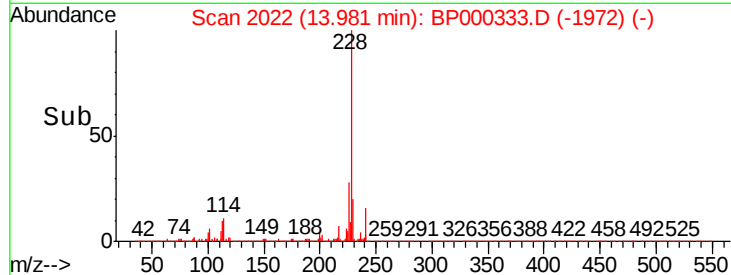
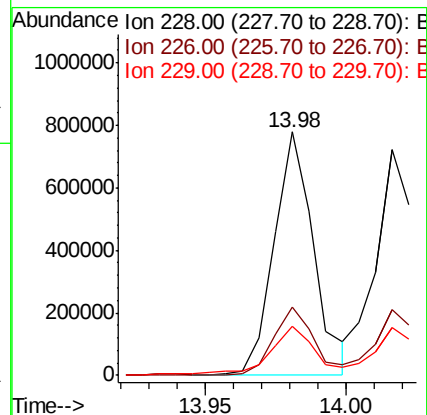
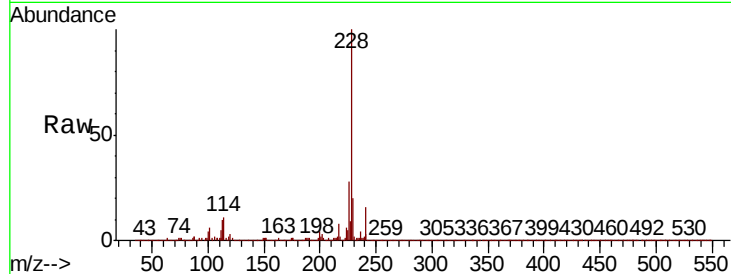
ClientSampled :

TP-1-5

Tot Ion:	228	Resp:	752829
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.2	33.4
229	20.3	16.0	24.0

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#83

Chrysene

Concen: 16.004 ng

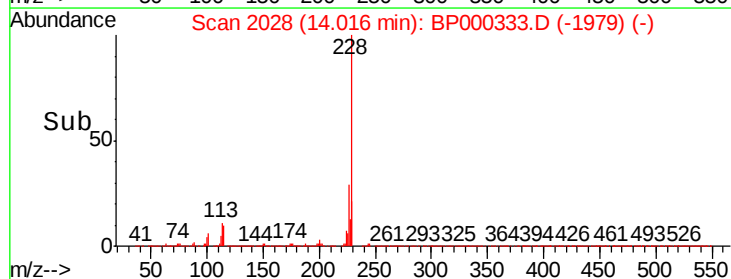
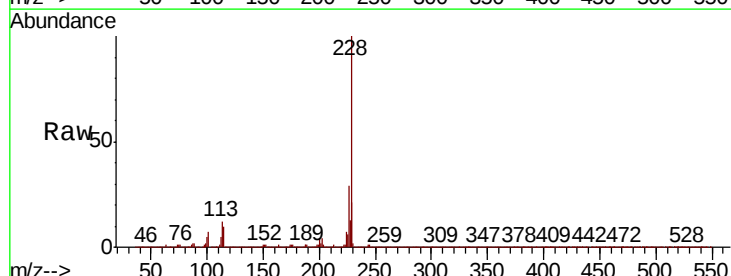
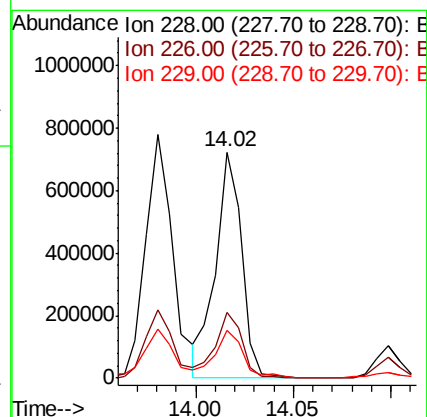
RT: 14.02 min Scan# 2028

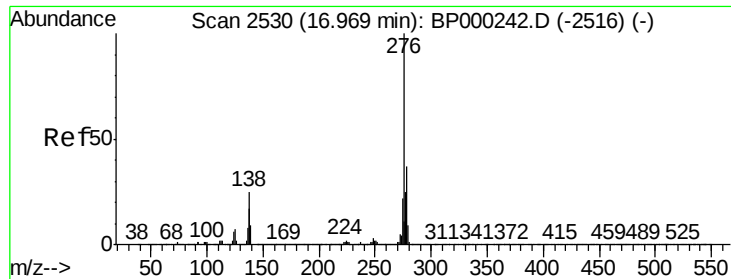
Delta R.T. -0.01 min

Lab File: BP000333.D

Acq: 19 Sep 2019 16:28

Tgt Ion:	228	Resp:	667615
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.9	37.3
229	21.3	16.2	24.2





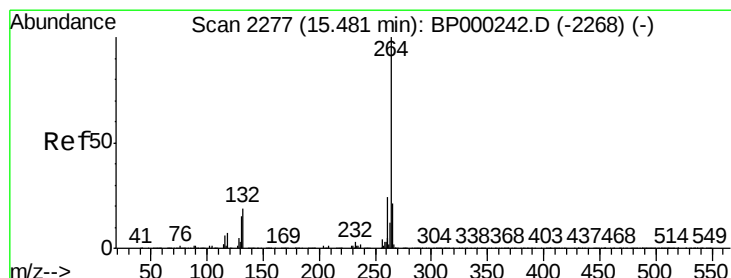
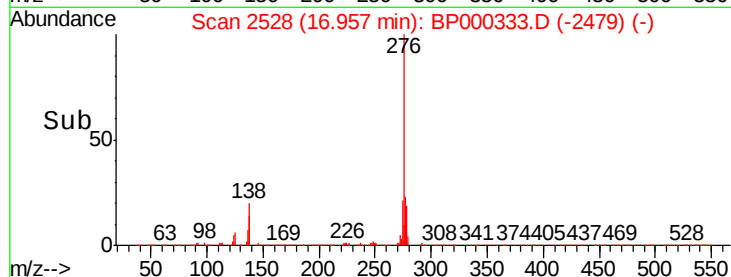
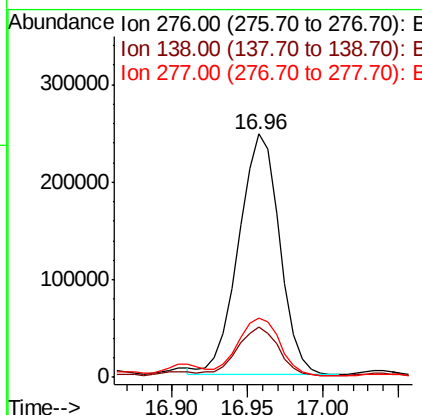
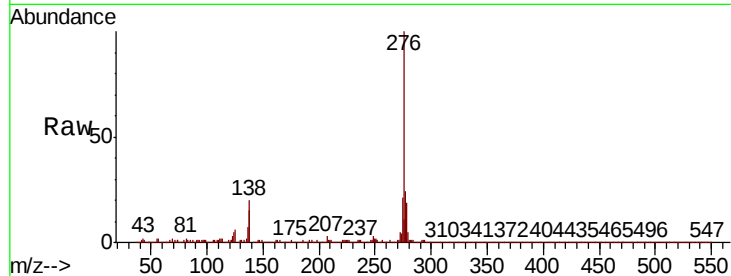
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.233 ng m
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Instrument :
BNA_P
ClientSampleId :
TP-1-5

Tot Ion	Ratio	Resp	Lower	Upper
276	100	469458		
138	5.0	22.6	33.8#	
277	4.7	20.4	30.6#	

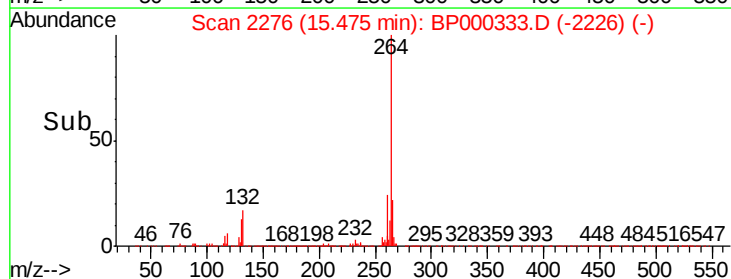
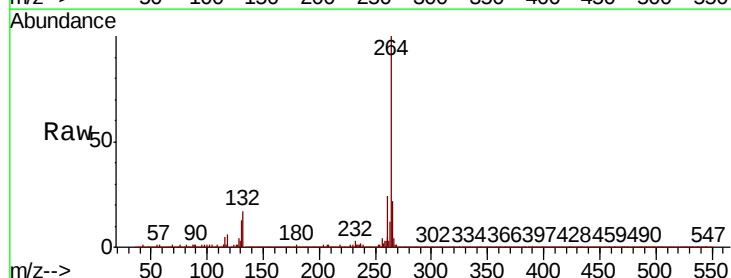
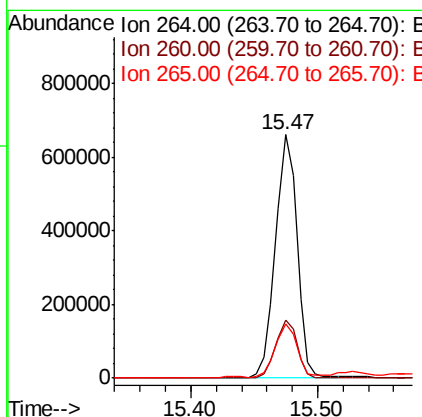
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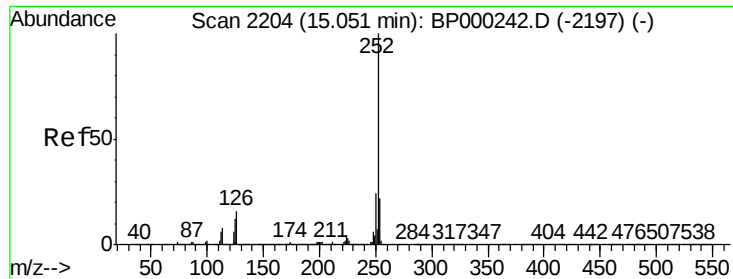
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	782824		
260	23.7	18.9	28.3	
265	22.3	17.2	25.8	





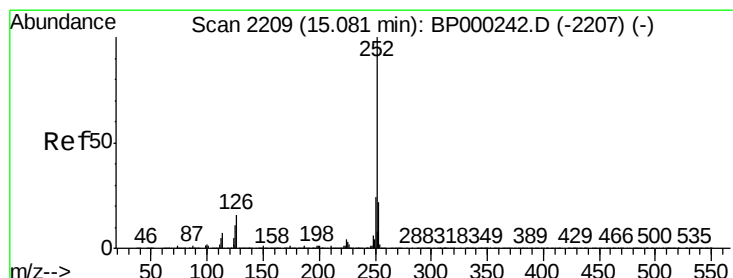
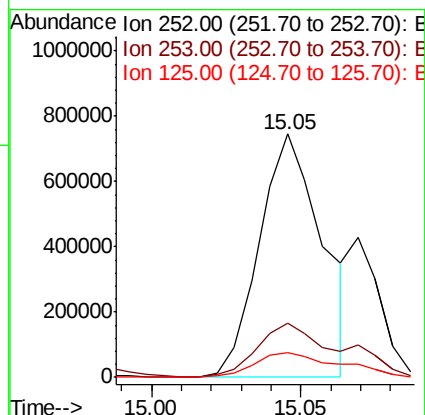
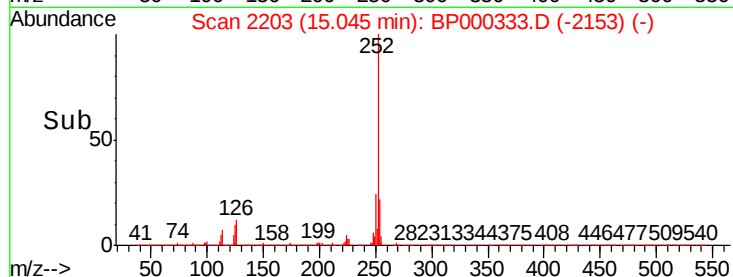
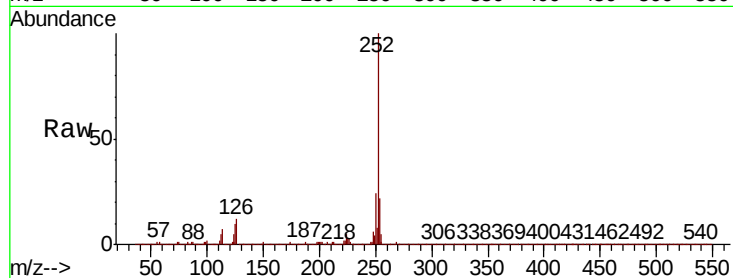
#88
Benzo(b)fluoranthene
Concen: 23.333 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Instrument :
BNA_P
ClientSampleId :
TP-1-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.3	9.5	14.3

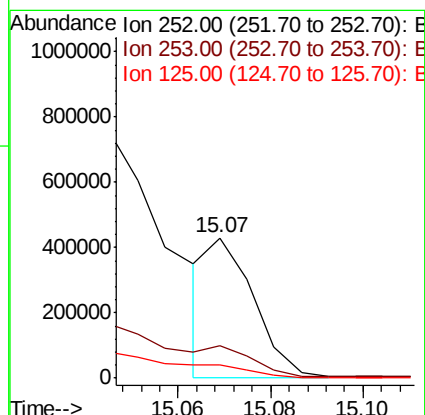
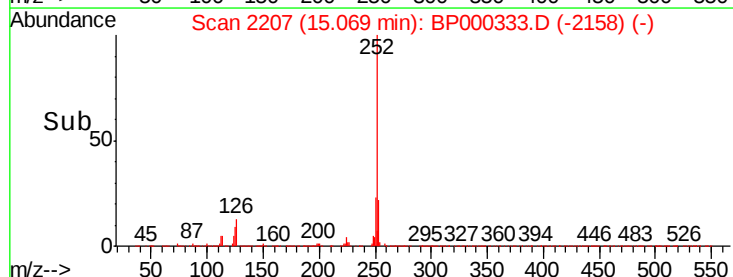
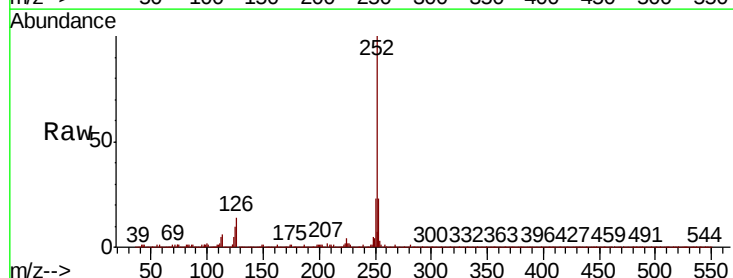
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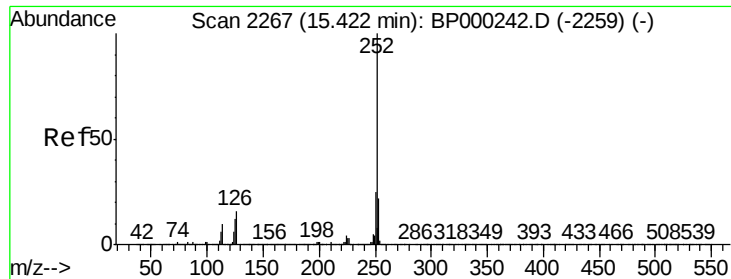
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#89
Benzo(k)fluoranthene
Concen: 7.399 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BP000333.D
Acq: 19 Sep 2019 16:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	9.8	9.6	14.4





#90

Benzo(a)pyrene

Concen: 17.899 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BP000333.D

Acq: 19 Sep 2019 16:28

Instrument :

BNA_P

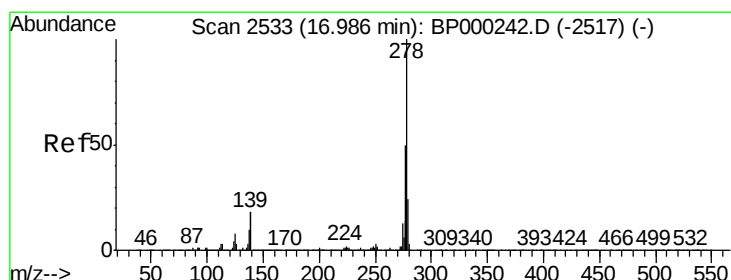
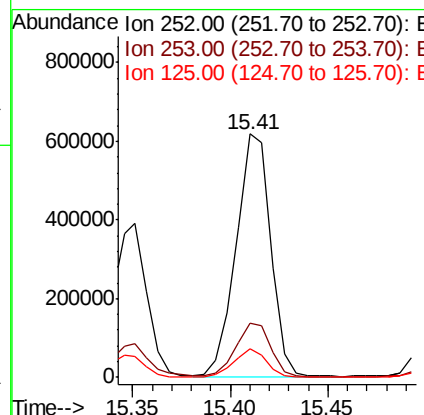
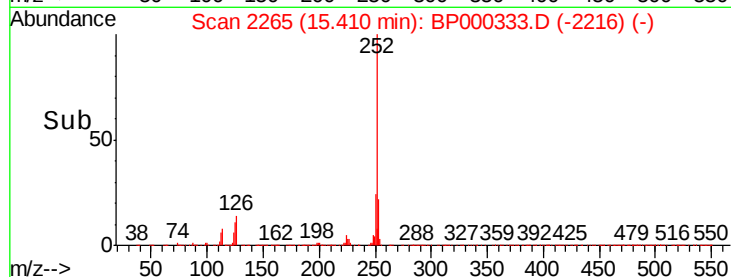
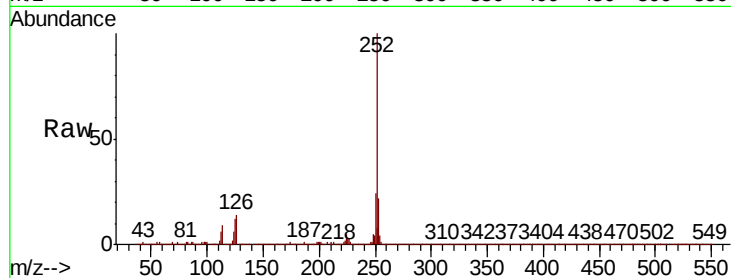
ClientSampled :

TP-1-5

Tot Ion:	252	Resp:	760586
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.7	26.5
125	11.7	10.0	15.0

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#91

Dibenzo(a,h)anthracene

Concen: 3.156 ng

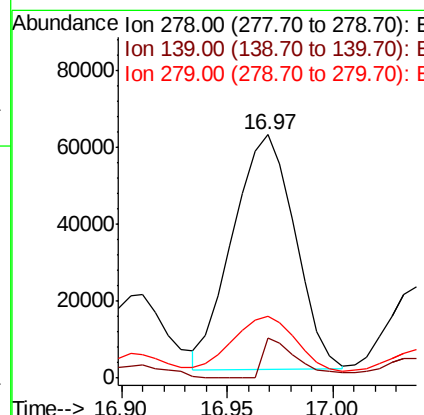
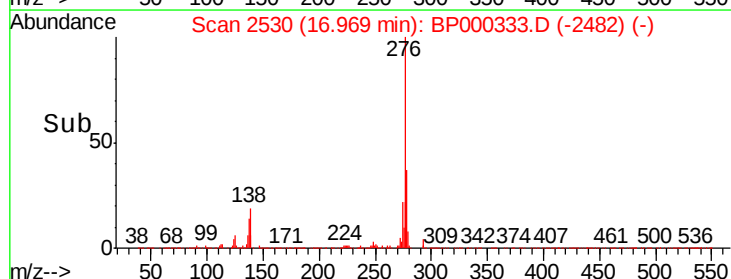
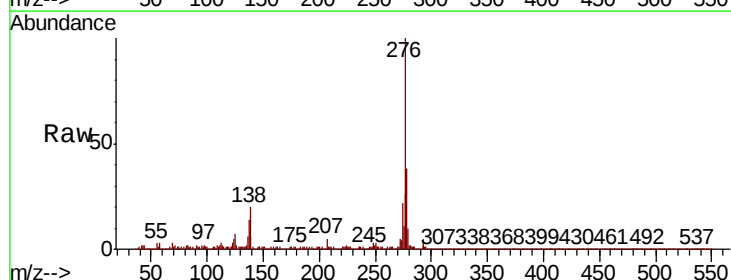
RT: 16.97 min Scan# 2530

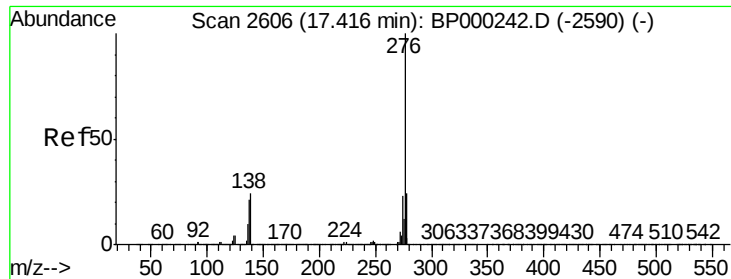
Delta R.T. -0.02 min

Lab File: BP000333.D

Acq: 19 Sep 2019 16:28

Tgt Ion:	278	Resp:	125041
Ion Ratio	Lower	Upper	
278	100		
139	16.7	14.5	21.7
279	25.6	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 10.016 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. -0.01 min
 Lab File: BP000333.D
 Acq: 19 Sep 2019 16:28

Instrument :
 BNA_P
 ClientSampleId :
 TP-1-5

Tot Ion:	276	Resp:	407894
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.1	28.7
138	21.2	19.5	29.3

Manual Integrations
 APPROVED

mohammad
 9/20/2019 1:08:57 PM

