

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
 Data File : BP000552.D
 Acq On : 07 Oct 2019 18:56
 Operator : JU
 Sample : K5213-05 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-3(0-5)

Manual Integrations
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 10/8/2019 12:23:59 PM

Quant Time: Oct 08 10:40:44 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	6.76	152	263951	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	928100	20.00	ng	-0.01
39) Acenaphthene-d10	9.82	164	350481	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	652013	20.00	ng	0.02
76) Chrysene-d12	14.01	240	598075	20.00	ng	0.03
87) Perylene-d12	15.51	264	782718	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	585542	35.66	ng	-0.01
7) Phenol-d6	6.40	99	782528	39.55	ng	-0.01
23) Nitrobenzene-d5	7.32	82	438578	28.86	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	168261	45.05	ng	0.01
45) 2-Fluorobiphenyl	9.13	172	703939	32.50	ng	0.00
79) Terphenyl-d14	12.93	244	643230	21.78	ng	0.02
Target Compounds						
31) Naphthalene	8.07	128	242144	5.586	ng	Qvalue # 91
37) 2-Methylnaphthalene	8.77	142	810604	27.858	ng	99
38) 1-Methylnaphthalene	8.87	142	988988m	35.971	ng	
49) Acenaphthylene	9.68	152	183486	5.945	ng	# 1
52) Acenaphthene	9.86	154	143424	7.661	ng	# 81
55) Dibenzofuran	10.03	168	125584	4.487	ng	# 1
58) Fluorene	10.37	166	295220	14.801	ng	# 80
71) Phenanthrene	11.35	178	1069863	32.672	ng	# 92
72) Anthracene	11.40	178	290398	8.944	ng	# 74
74) Di-n-butylphthalate	11.89	149	111316	3.036	ng	# 42
75) Fluoranthene	12.56	202	408163	11.098	ng	88
78) Pvrene	12.79	202	1190226	28.855	ng	96
81) Benzo(a)anthracene	13.99	228	347977	9.536	ng	# 22
83) Chrysene	14.03	228	476301	13.299	ng	# 46
86) Indeno(1,2,3-cd)pyrene	16.99	276	206595	4.618	ng	97
88) Benzo(b)fluoranthene	15.07	252	356297m	8.024	ng	
90) Benzo(a)pyrene	15.44	252	367903	8.888	ng	# 65
91) Dibenzo(a,h)anthracene	17.00	278	92323	2.300	ng	# 2
92) Benzo(a,h,i)perylene	17.45	276	376555	9.230	ng	# 89

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

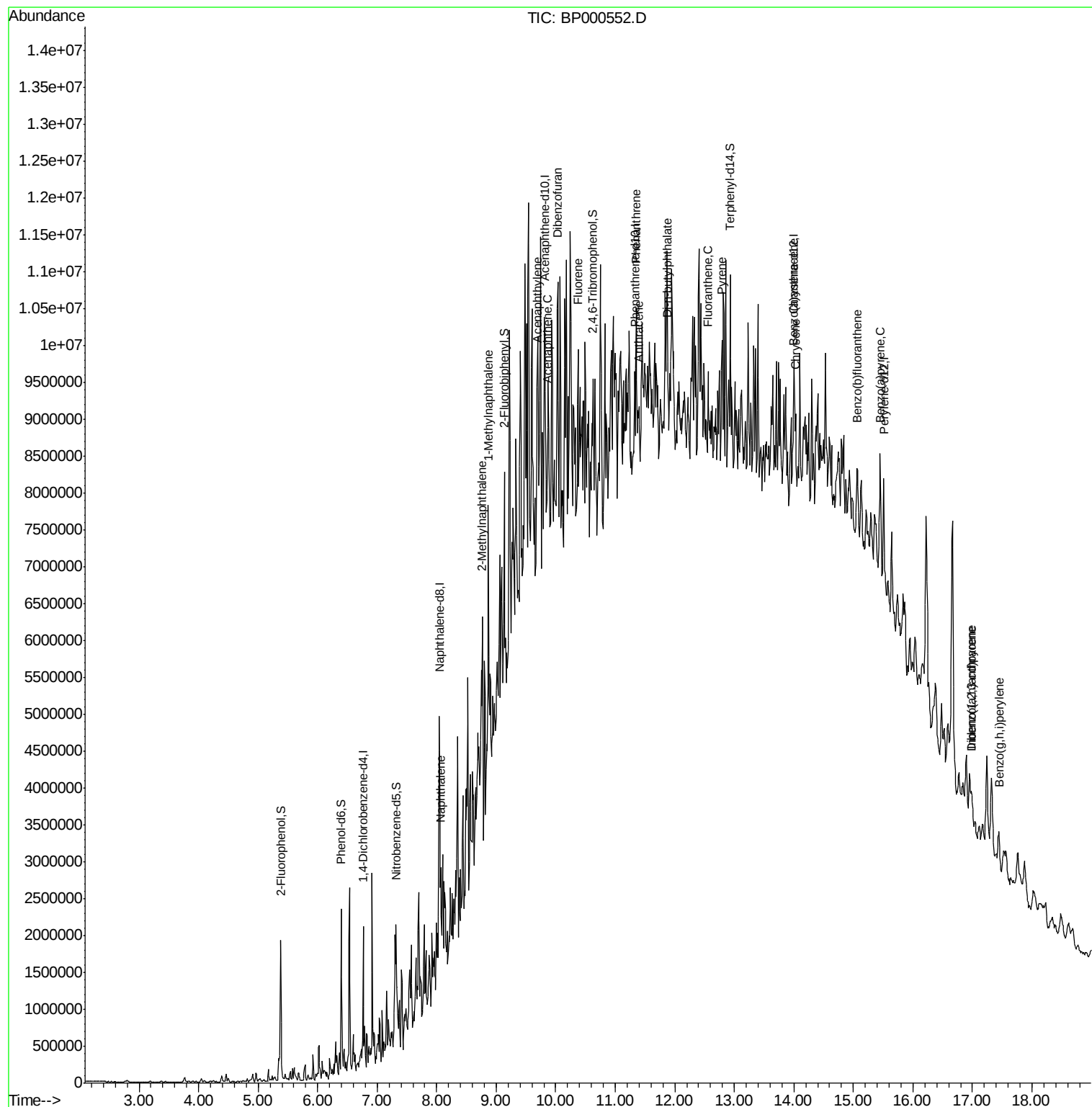
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

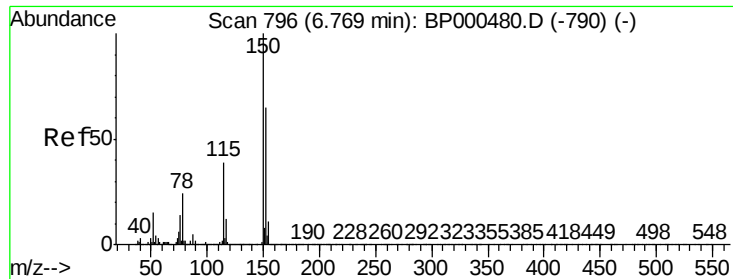
Instrument :
BNA_P
ClientSampled :
S-3(0-5)

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Quant Time: Oct 08 10:40:44 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

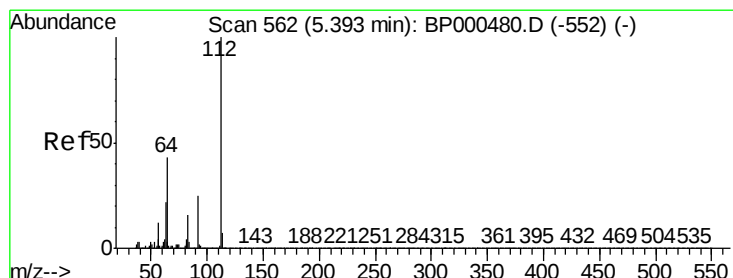
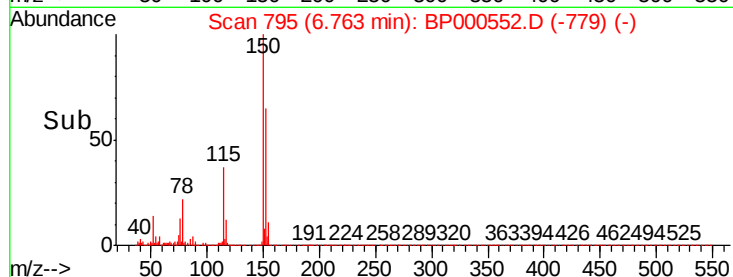
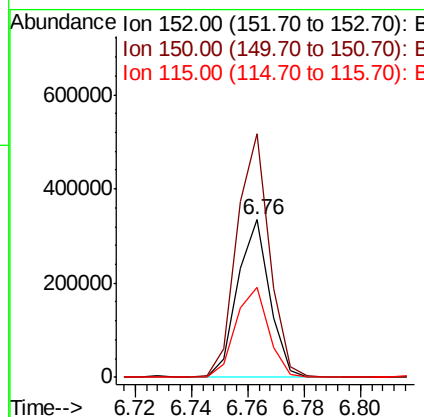
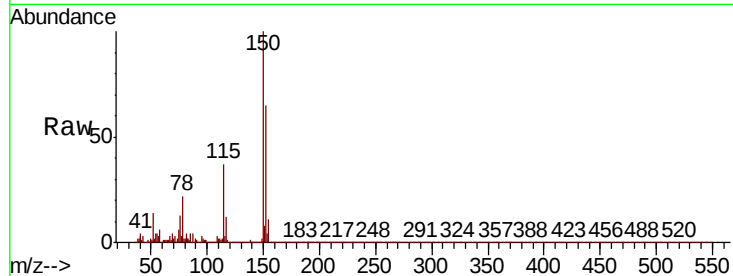
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Instrument :
BNA_P
ClientSampleId :
S-3(0-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.1	186.1
115	57.0	48.7	73.1

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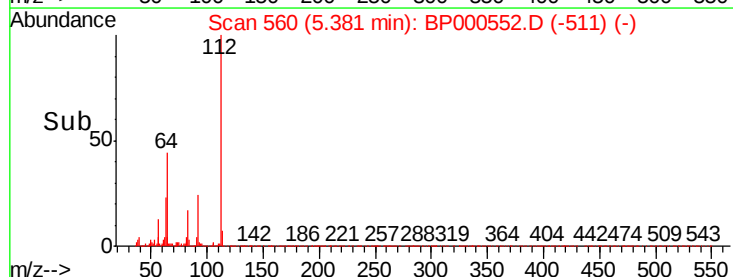
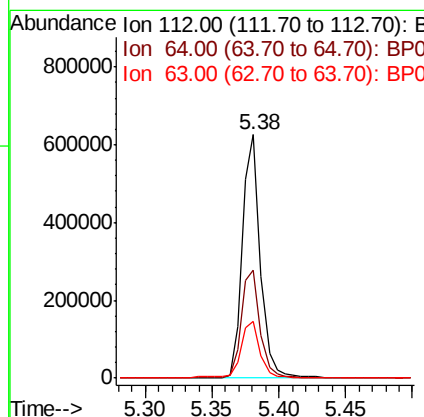
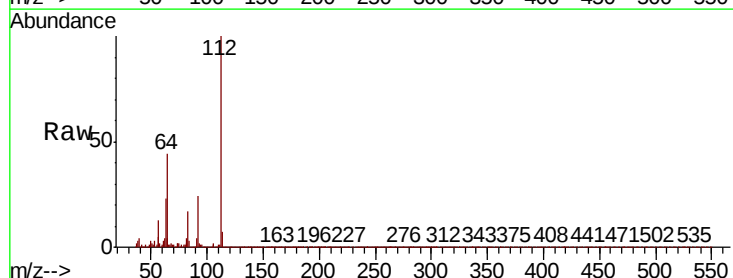
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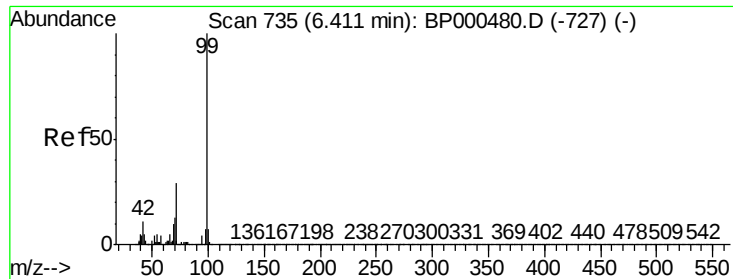


#5

2-Fluorophenol
Concen: 35.659 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.1	34.2	51.4
63	23.3	17.9	26.9





#7

Phenol-d6

Concen: 39.547 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BP000552.D

Acq: 07 Oct 2019 18:56

Instrument :

BNA_P

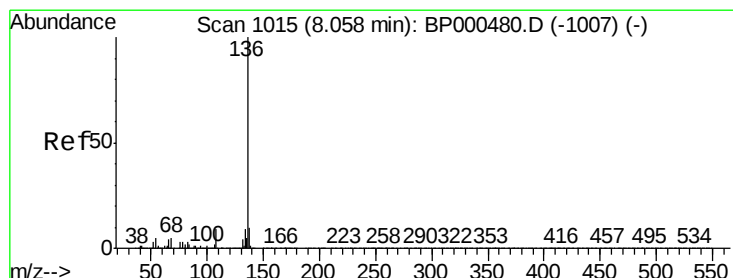
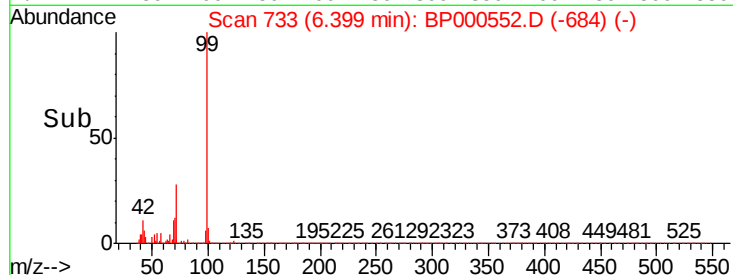
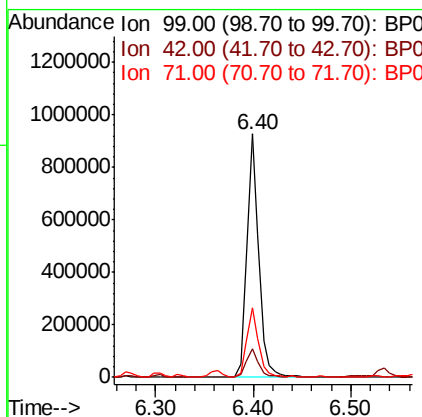
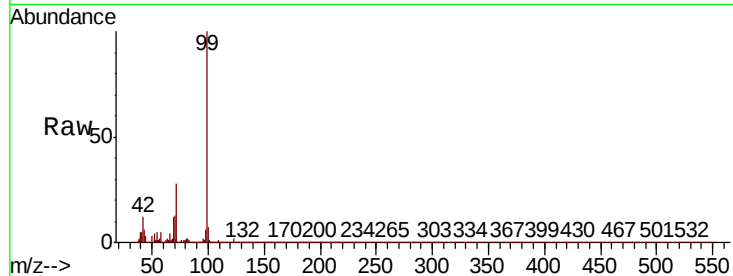
ClientSampleId :

S-3(0-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		782528		
42	11.6	8.6	12.8		
71	28.4	23.0	34.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

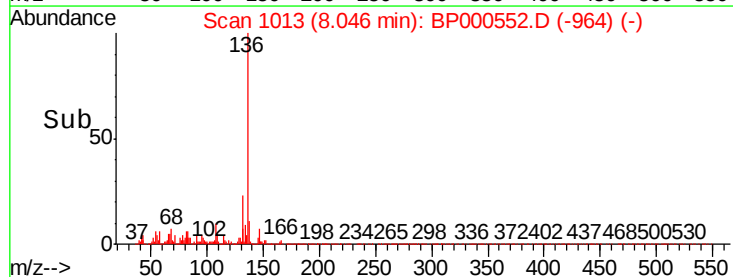
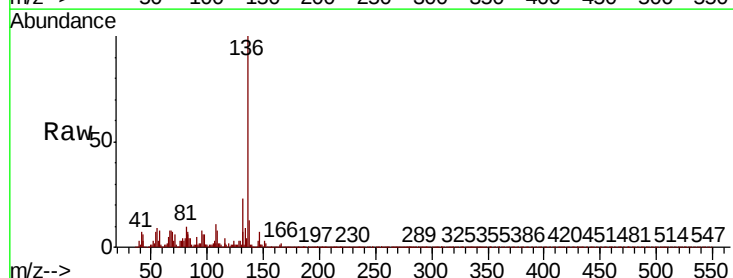
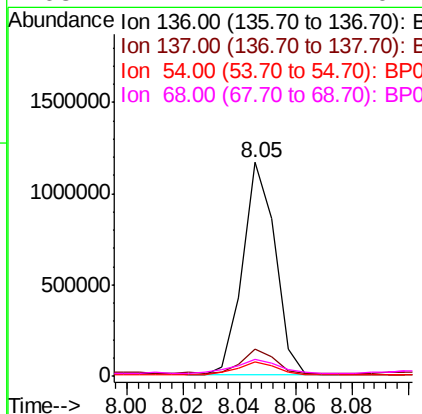
RT: 8.05 min Scan# 1013

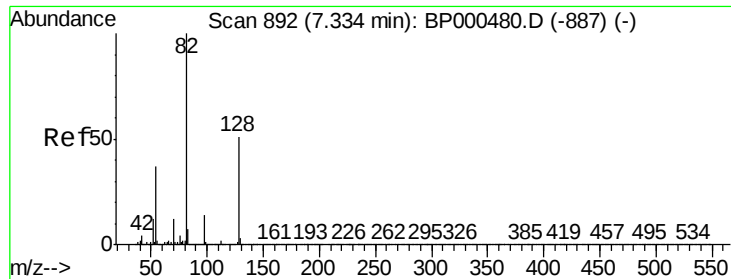
Delta R.T. -0.01 min

Lab File: BP000552.D

Acq: 07 Oct 2019 18:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		928100		
137	12.5	8.2	12.4#		
54	6.6	4.1	6.1#		
68	7.7	4.1	6.1#		





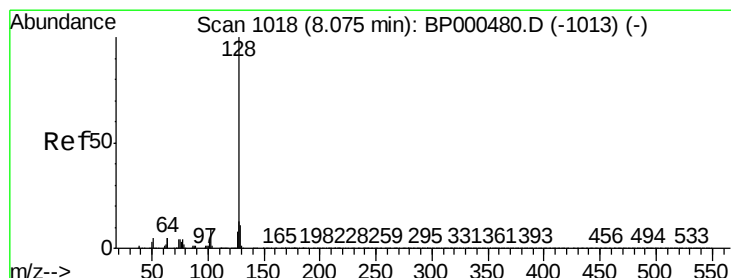
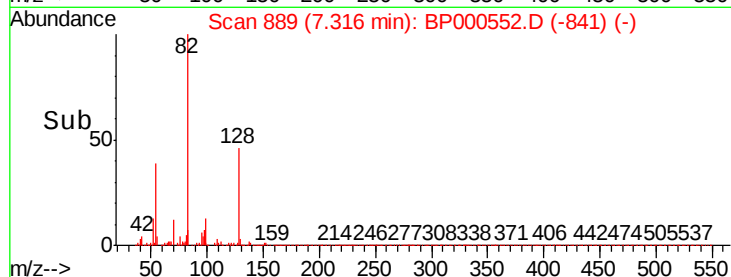
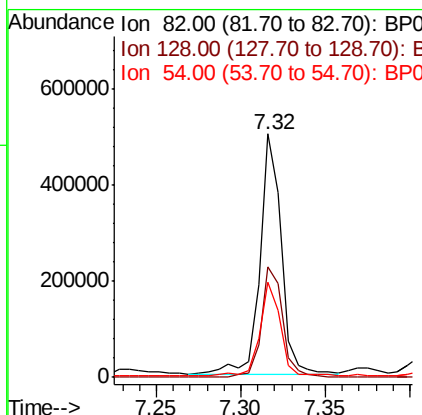
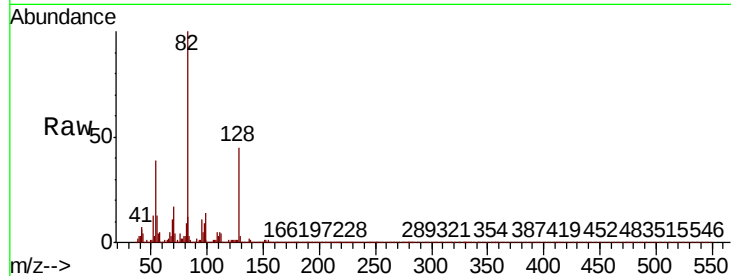
#23
Nitrobenzene-d5
Concen: 28.861 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.02 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Instrument :
BNA_P
ClientSampleId :
S-3(0-5)

Tot Ion	82	Resp	438578
Ion Ratio	Lower	Upper	
82	100		
128	45.4	40.9	61.3
54	39.0	29.4	44.2

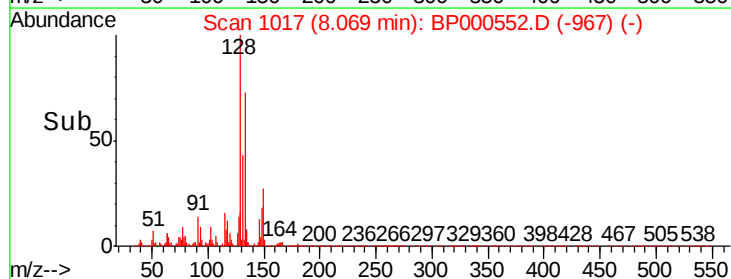
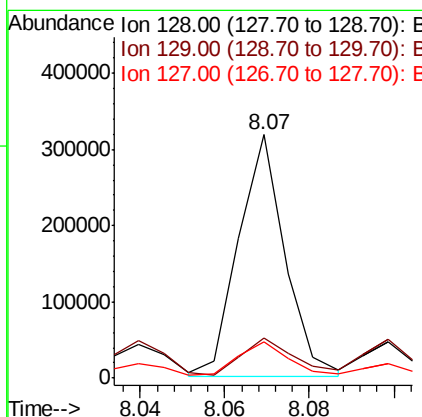
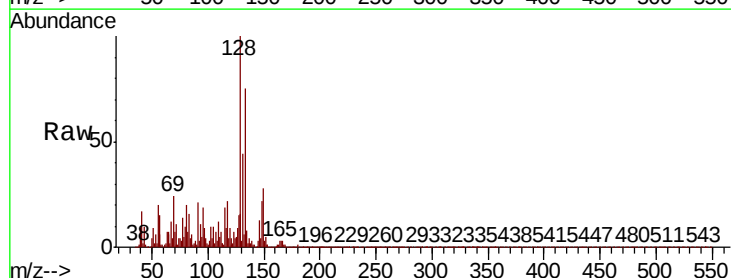
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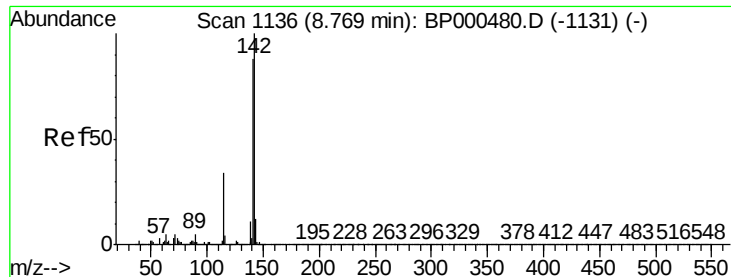
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#31
Naphthalene
Concen: 5.586 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Tgt Ion	128	Resp	242144
Ion Ratio	Lower	Upper	
128	100		
129	16.5	9.0	13.6#
127	15.1	10.5	15.7





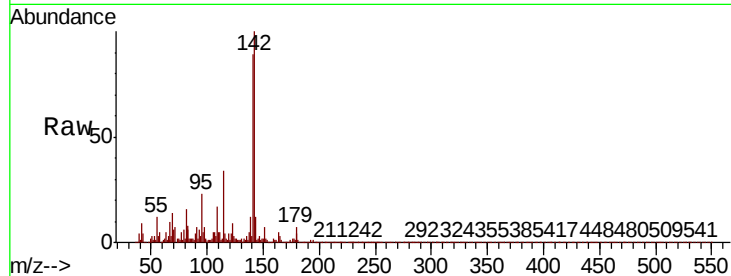
#37
2-Methylnaphthalene
Concen: 27.858 ng
RT: 8.77 min Scan# 1136
Delta R.T. -0.00 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Instrument :
BNA_P
ClientSampleId :
S-3(0-5)

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.6	106.0
115	33.6	27.4	41.0

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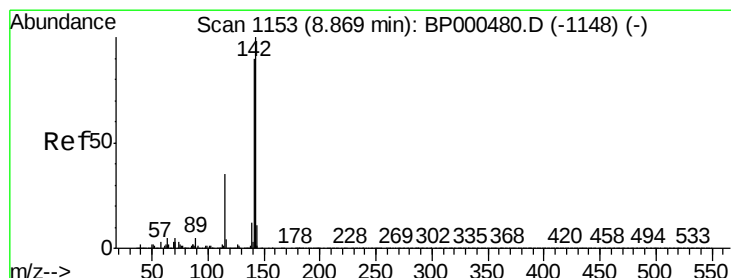
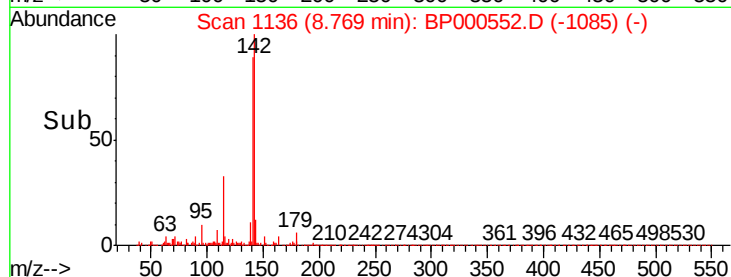
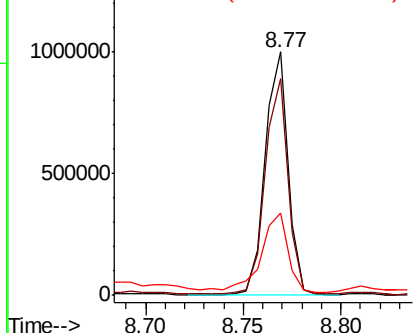


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 35.971 ng m
RT: 8.87 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

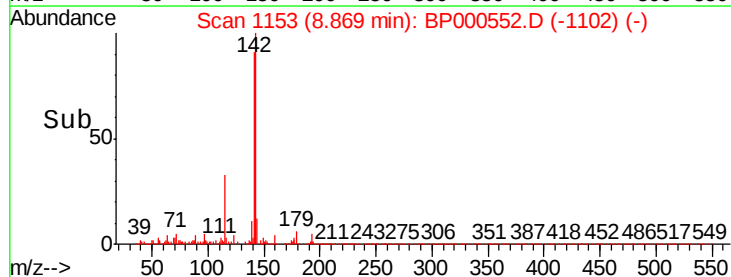
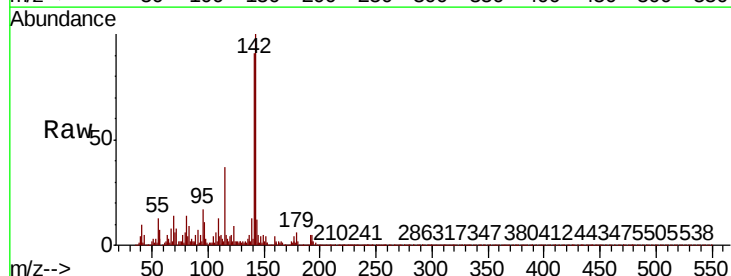
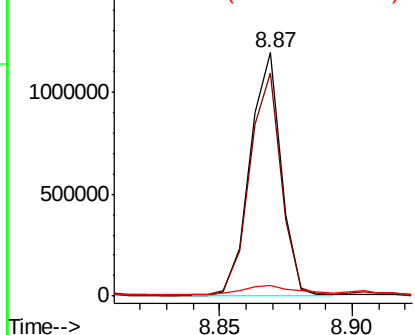
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	71.9	107.9
116	4.5	3.0	4.4#

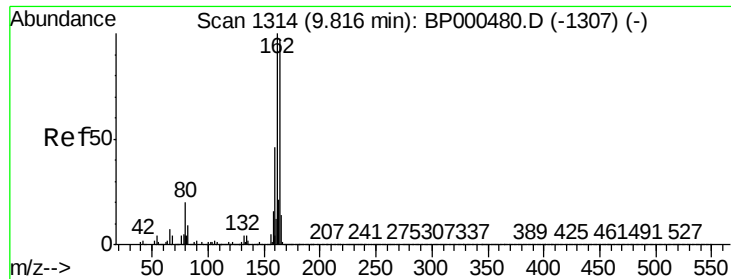
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





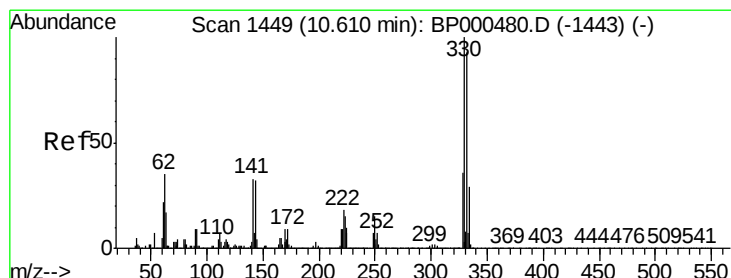
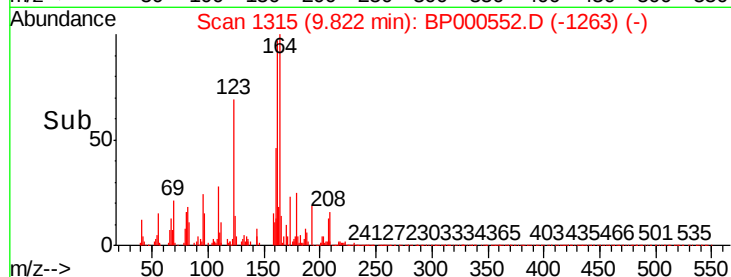
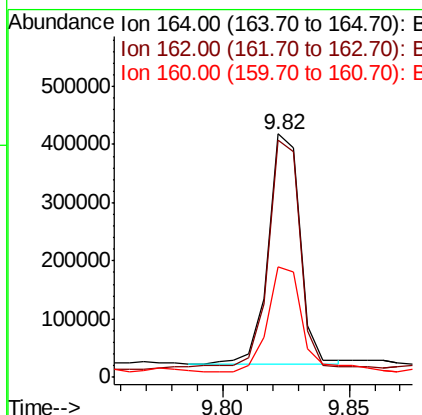
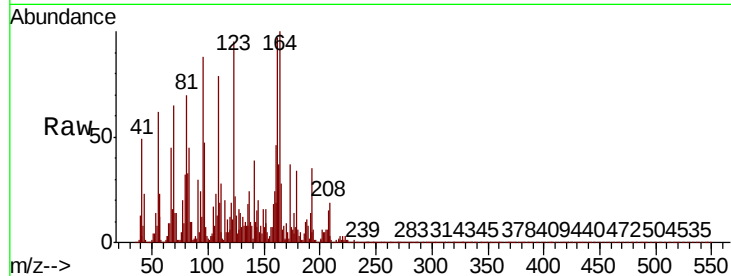
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Instrument :
BNA_P
ClientSampled :
S-3(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	97.2	82.2	123.2	
160	45.5	37.6	56.4	

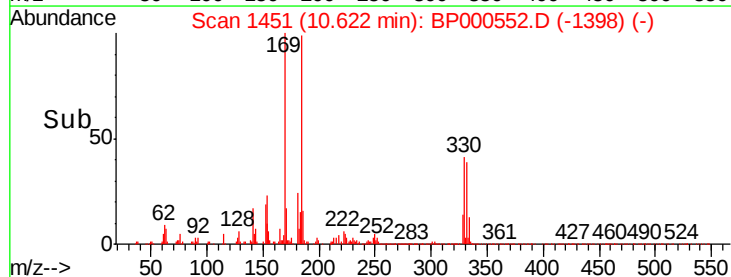
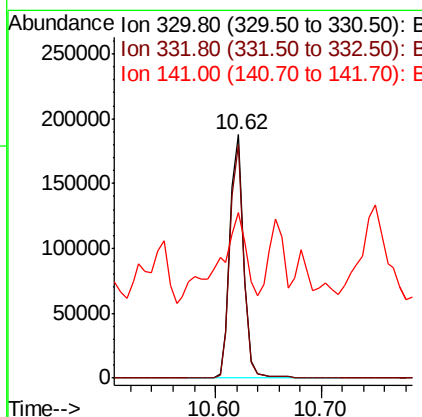
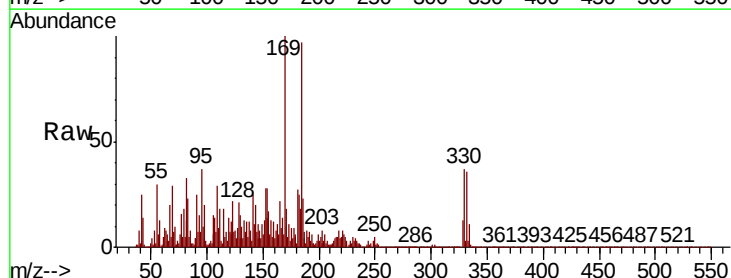
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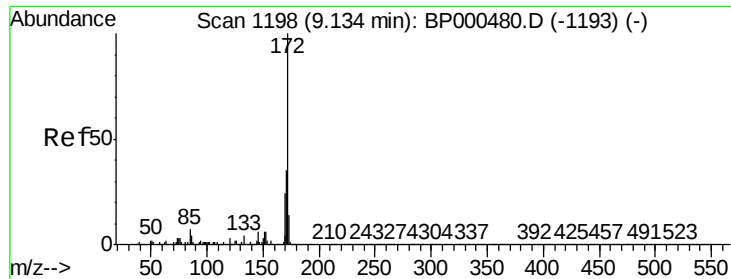
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#42
2,4,6-Tribromophenol
Concen: 45.052 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	77.1	115.7	
141	78.1	26.0	39.0	





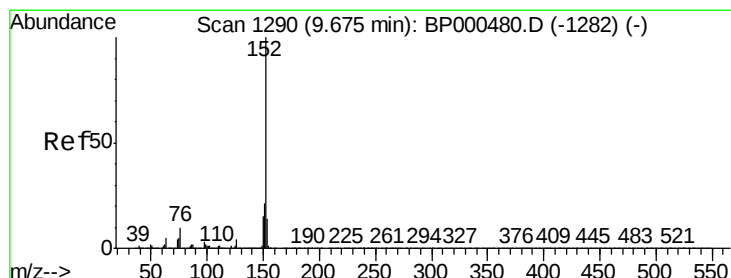
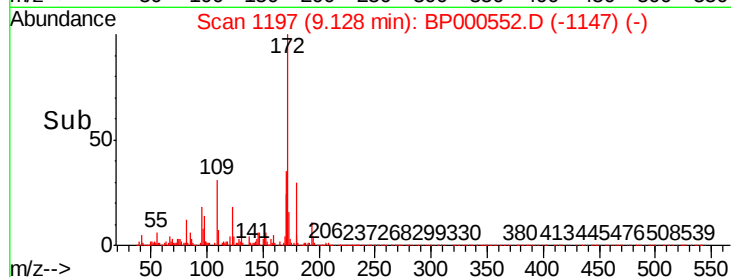
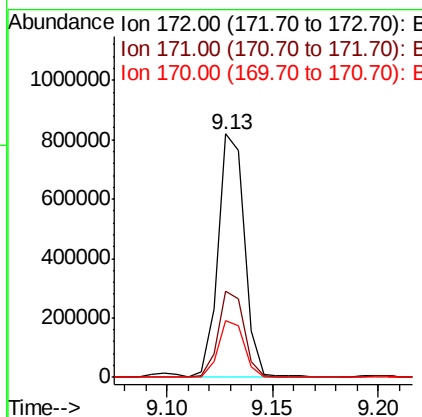
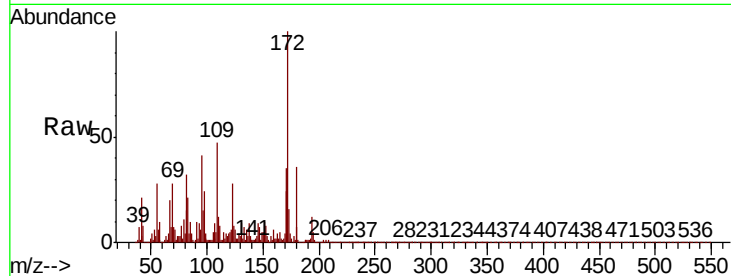
#45
2-Fluorobiphenyl
Concen: 32.497 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Instrument :
BNA_P
ClientSampled :
S-3(0-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.4	42.6
170	23.5	19.1	28.7

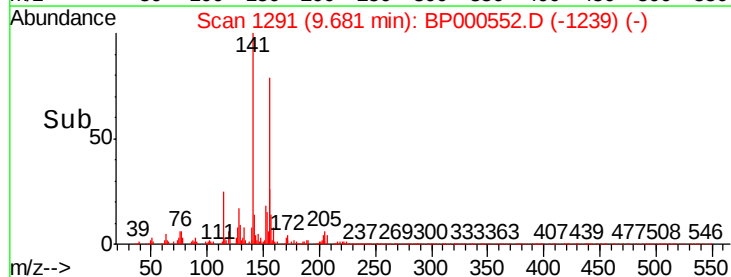
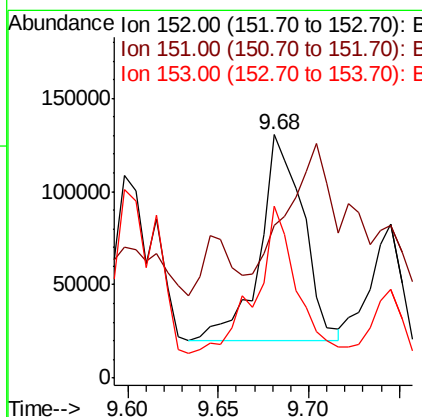
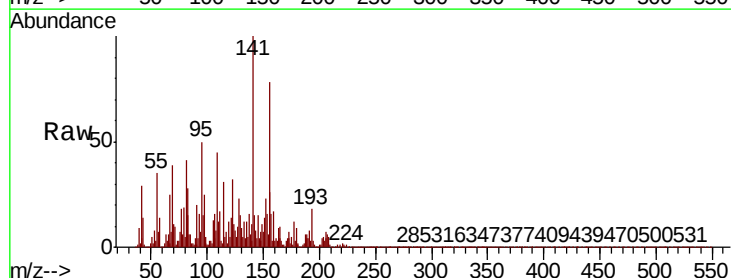
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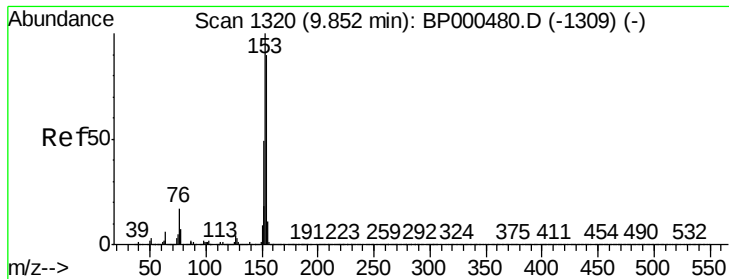
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#49
Acenaphthylene
Concen: 5.945 ng
RT: 9.68 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	62.6	16.6	25.0#
153	70.5	11.0	16.6#





#52

Acenaphthene

Concen: 7.661 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.01 min

Lab File: BP000552.D

Acq: 07 Oct 2019 18:56

Instrument :

BNA_P

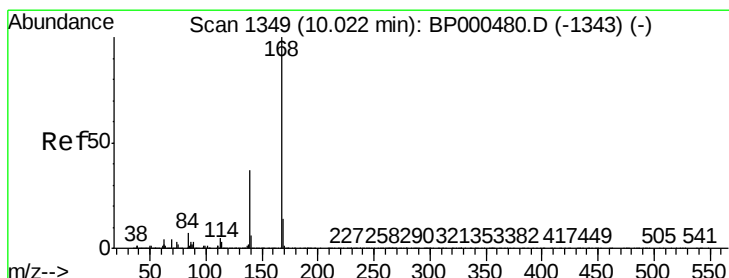
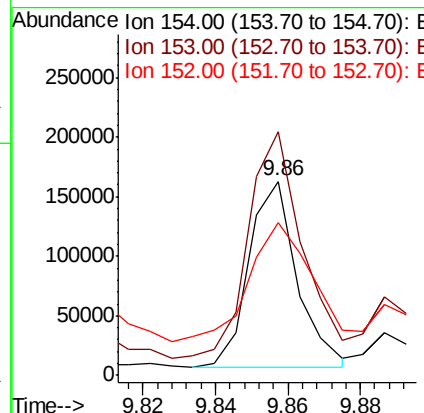
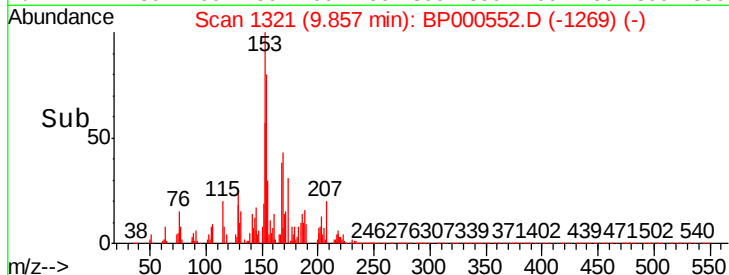
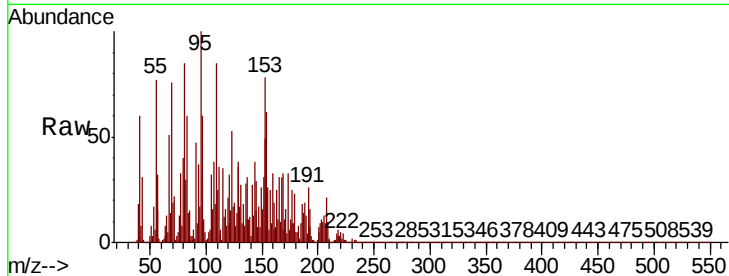
ClientSampled :

S-3(0-5)

Tot Ion:	154	Resp:	143424
Ion Ratio	Lower	Upper	
154	100		
153	125.3	89.4	134.0
152	78.5	43.8	65.8#

Manual Integrations
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#55

Dibenzofuran

Concen: 4.487 ng

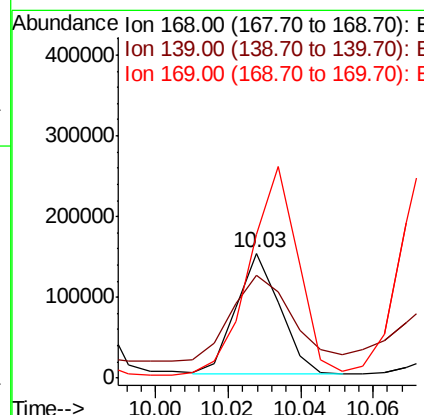
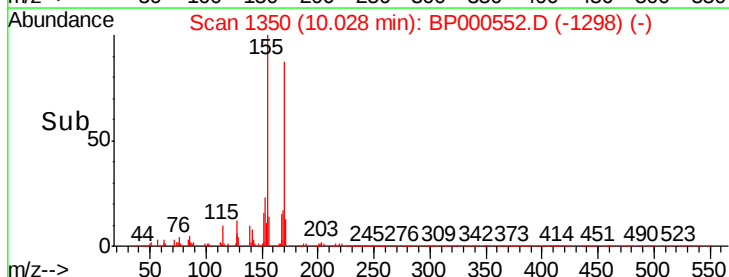
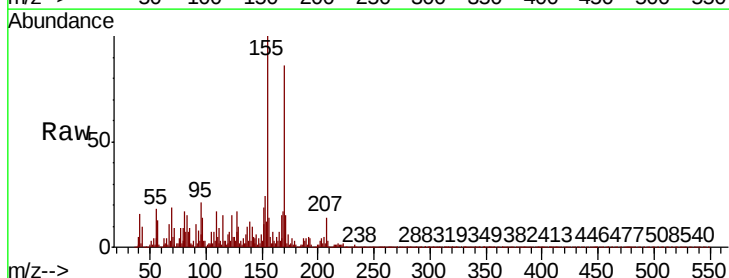
RT: 10.03 min Scan# 1350

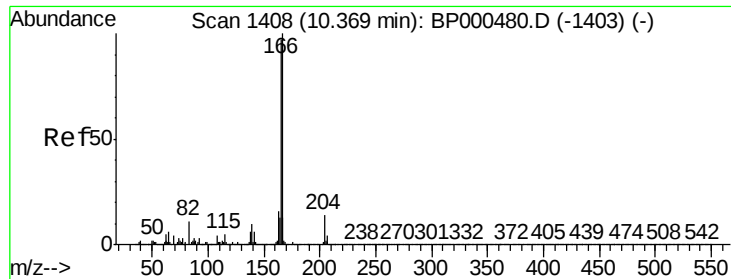
Delta R.T. 0.01 min

Lab File: BP000552.D

Acq: 07 Oct 2019 18:56

Tgt Ion:	168	Resp:	125584
Ion Ratio	Lower	Upper	
168	100		
139	82.6	29.5	44.3#
169	115.4	11.1	16.7#





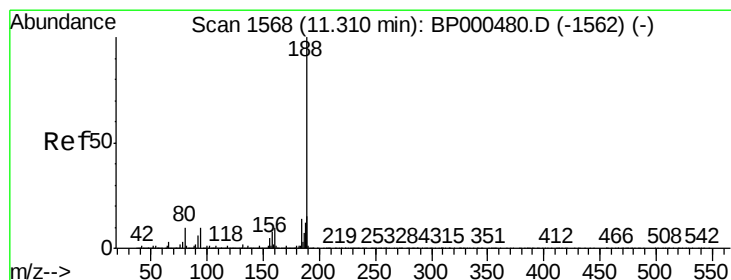
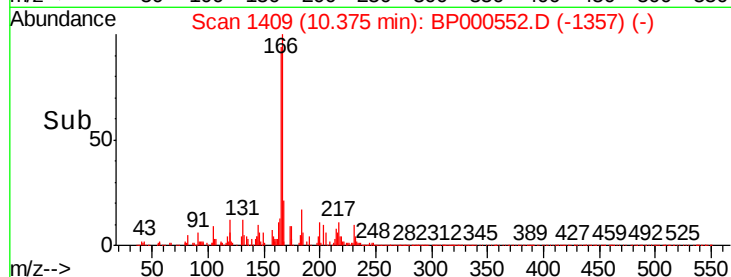
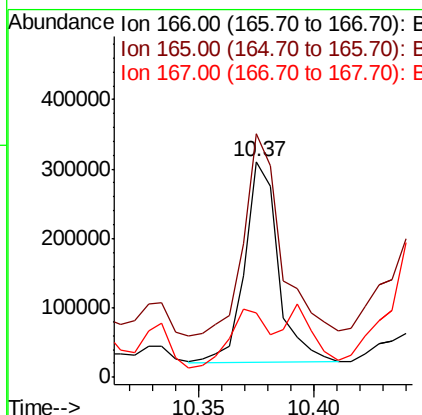
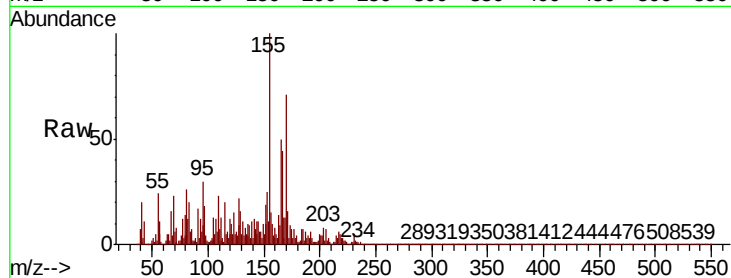
#58
 Fluorene
 Concen: 14.801 ng
 RT: 10.37 min Scan# 1409
 Delta R.T. 0.01 min
 Lab File: BP000552.D
 Acq: 07 Oct 2019 18:56

Instrument :
 BNA_P
 ClientSampleId :
 S-3(0-5)

Tot Ion	Ratio	Lower	Upper
166	100		
165	113.0	77.3	115.9
167	29.7	10.6	16.0

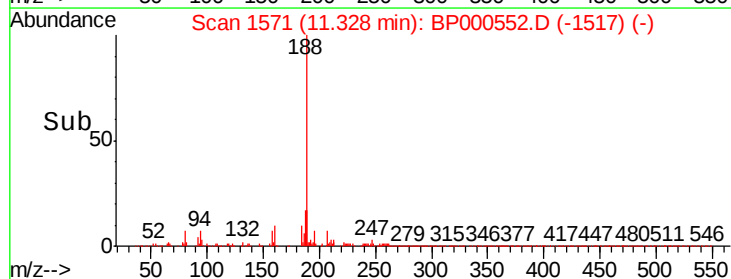
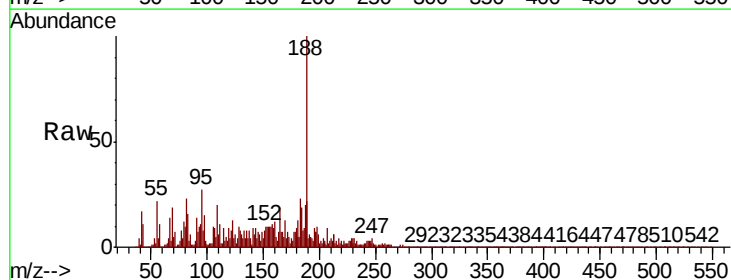
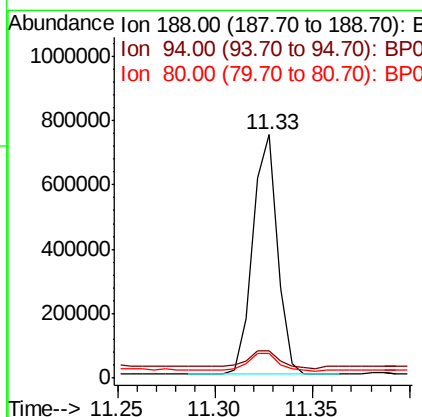
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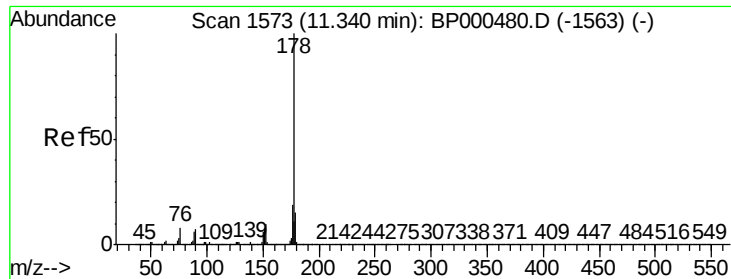
mohammad
 10/8/2019 12:23:59 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: BP000552.D
 Acq: 07 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.2	12.2
80	10.0	8.3	12.5





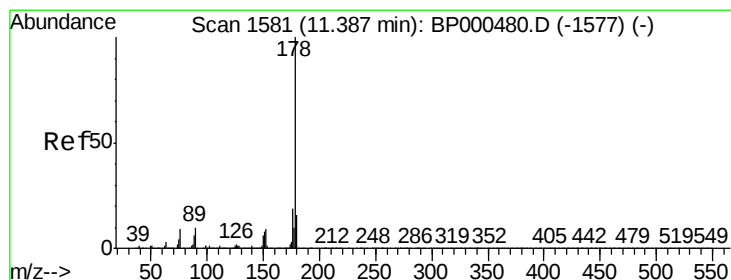
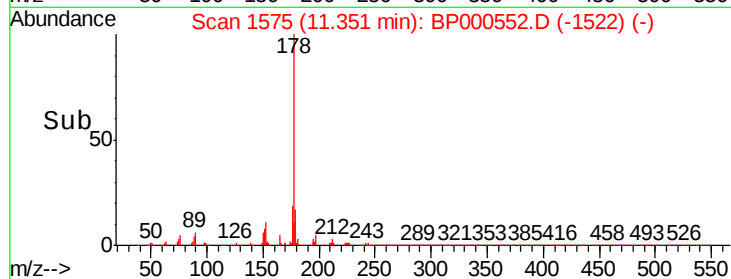
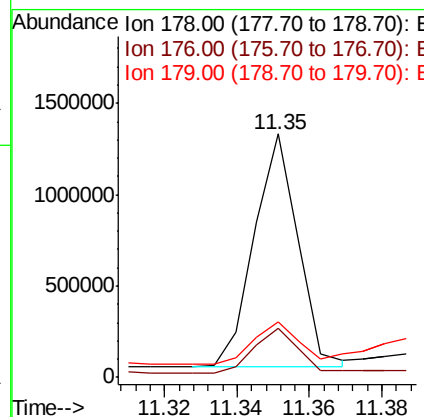
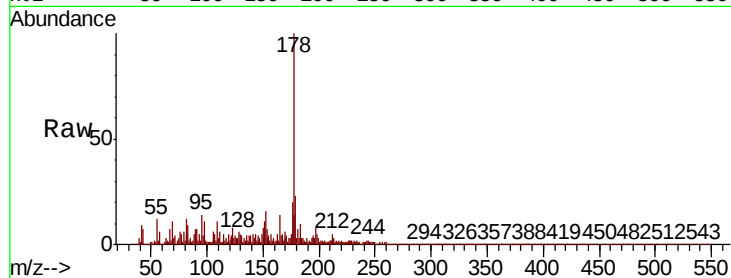
#71
Phenanthrene
Concen: 32.672 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Instrument :
BNA_P
ClientSampleId :
S-3(0-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.4	23.2
179	22.5	12.2	18.4

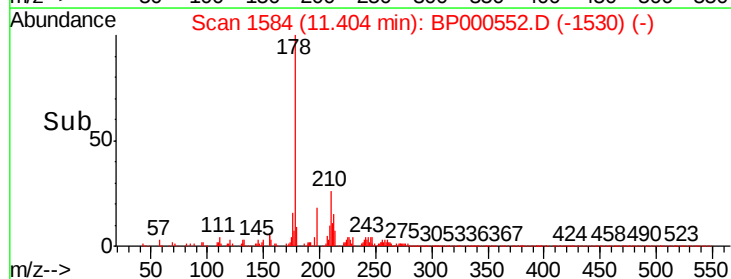
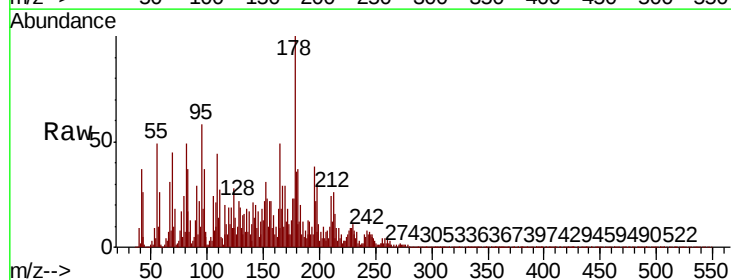
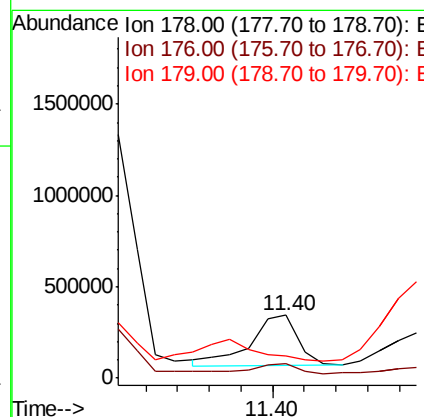
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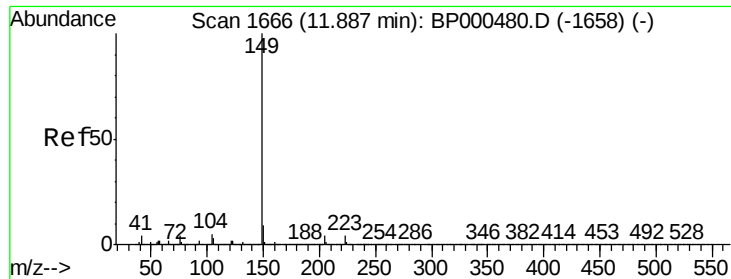
mohammad
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#72
Anthracene
Concen: 8.944 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.02 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.0	15.4	23.0
179	35.6	12.6	19.0





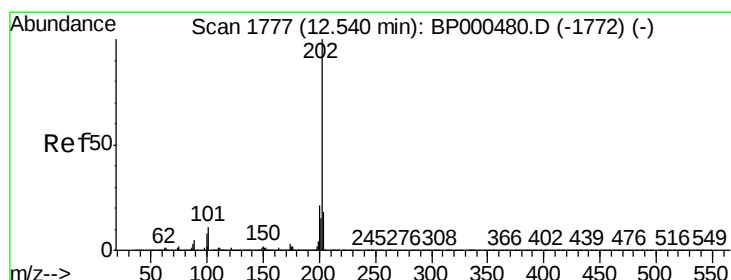
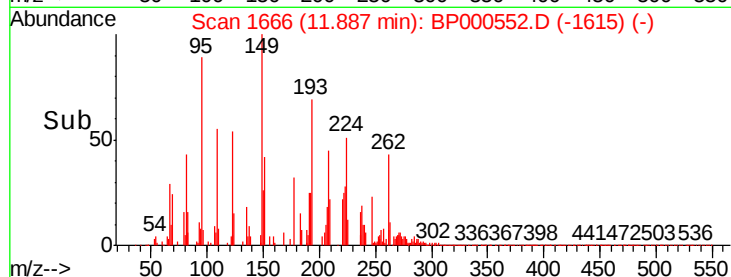
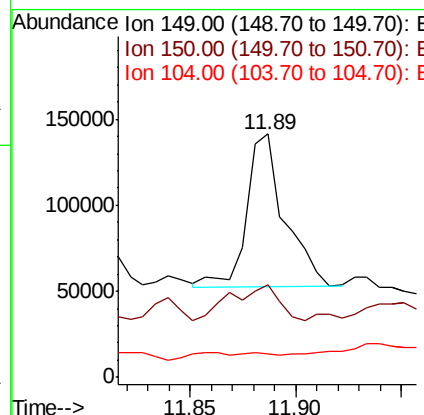
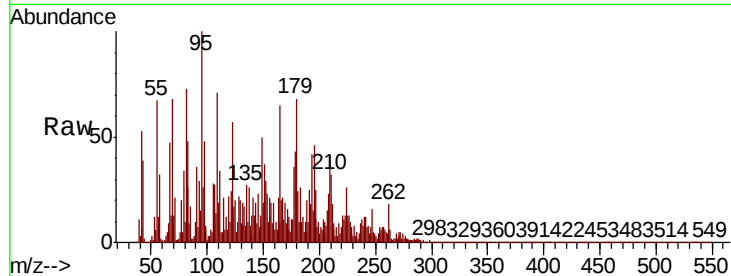
#74
Di-n-butylphthalate
Concen: 3.036 ng
RT: 11.89 min Scan# 1666
Delta R.T. -0.00 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Instrument :
BNA_P
ClientSampled :
S-3(0-5)

Tot Ion	Ratio	Resp Lower	Upper
149	100		
150	38.2	7.4	11.2#
104	9.7	3.7	5.5#

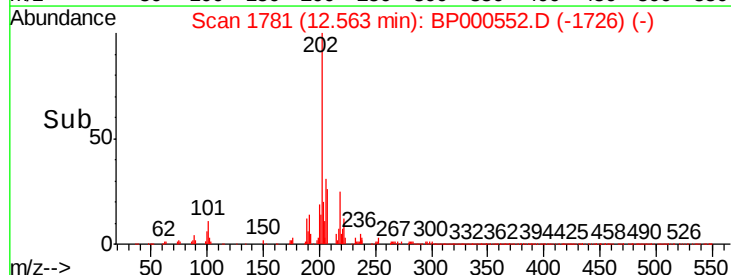
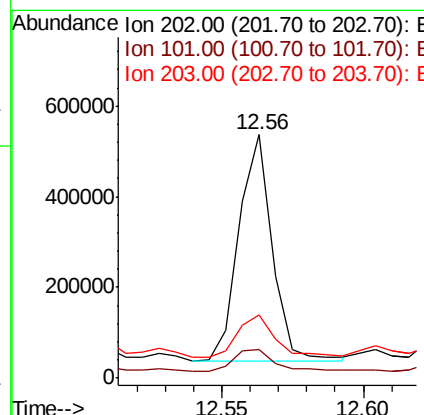
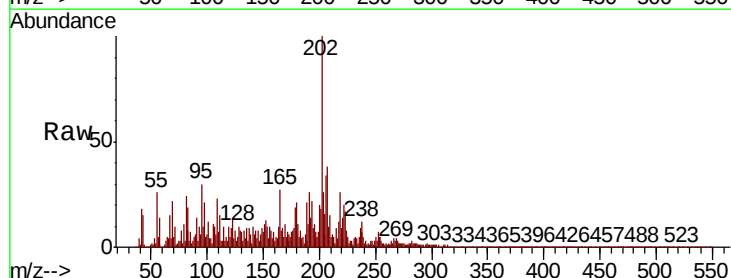
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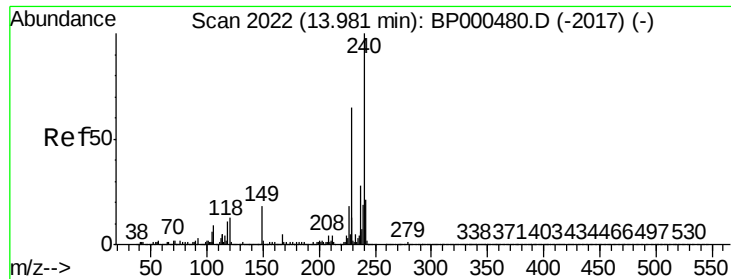
mohammad
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#75
Fluoranthene
Concen: 11.098 ng
RT: 12.56 min Scan# 1781
Delta R.T. 0.02 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	12.0	0.0	31.3
203	26.0	0.0	38.1





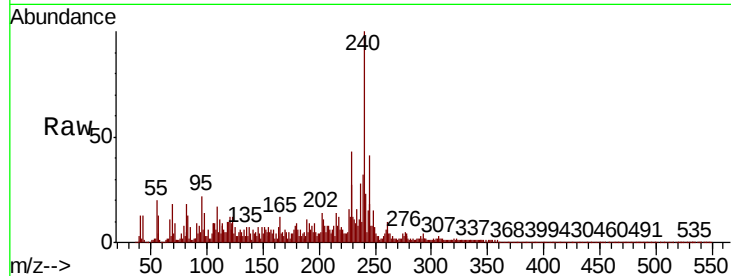
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.03 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Instrument :
BNA_P
ClientSampleId :
S-3(0-5)

Tot Ion	Ratio	Resp	Lower	Upper
240	100	598075		
120	12.5	10.1	15.1	
236	28.5	22.7	34.1	

Manual Integrations
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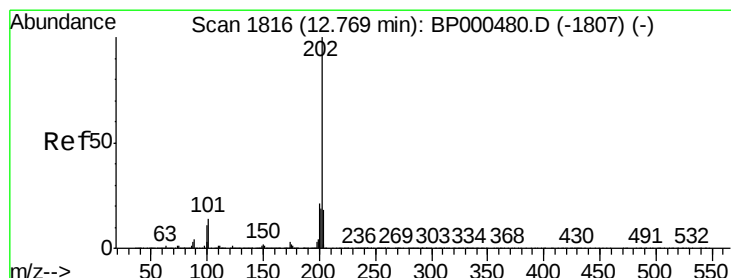
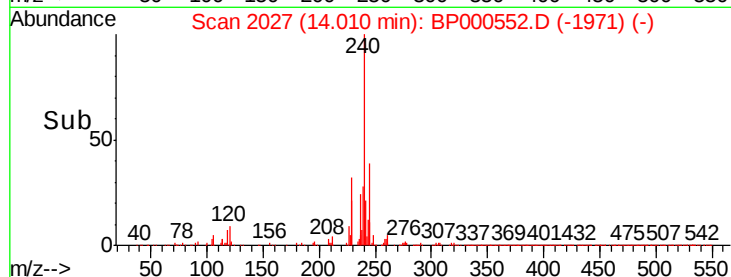
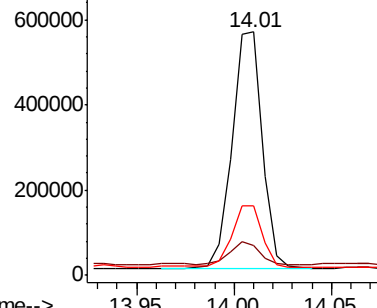


Abundance

Ion 240.00 (239.70 to 240.70): E

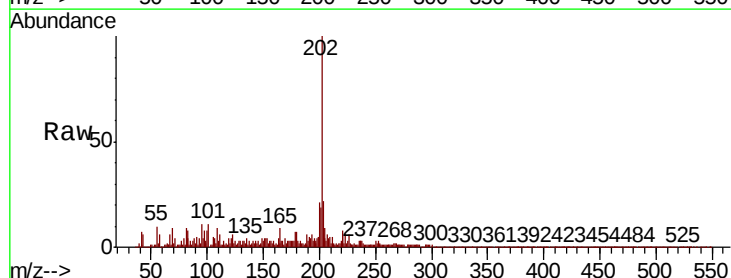
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 28.855 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.02 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1190226		
200	21.3	17.1	25.7	
203	21.7	14.6	21.8	

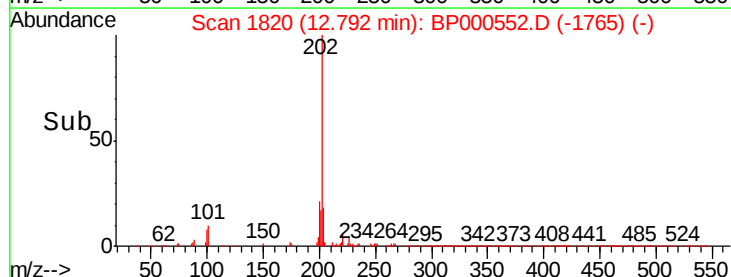
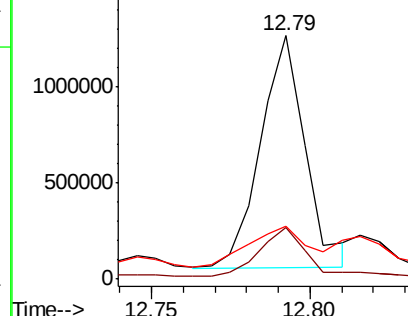


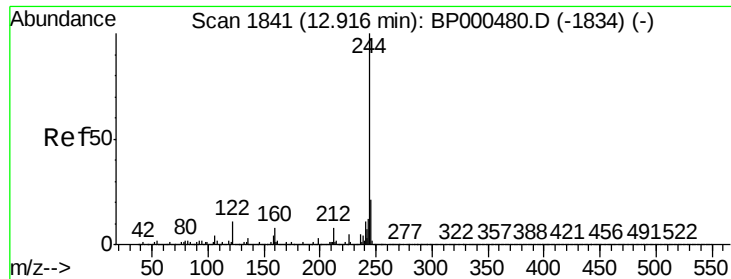
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





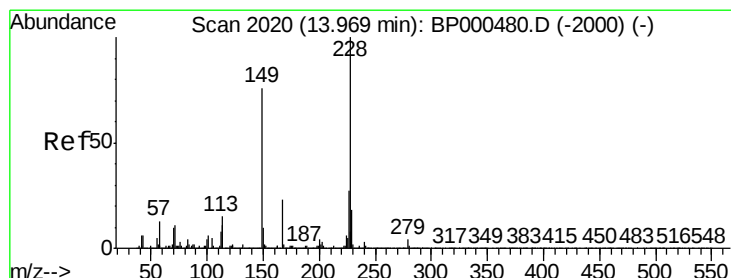
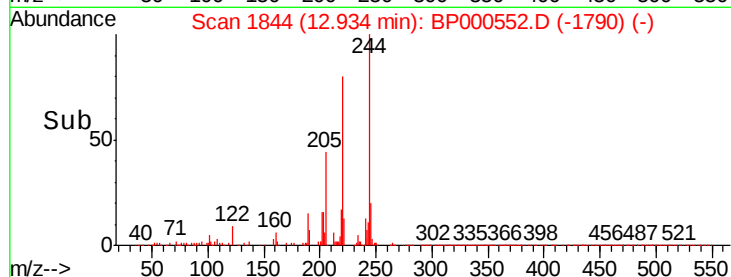
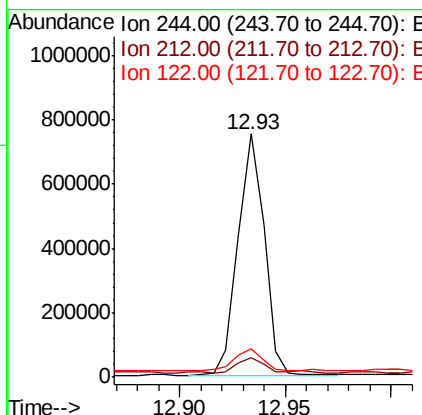
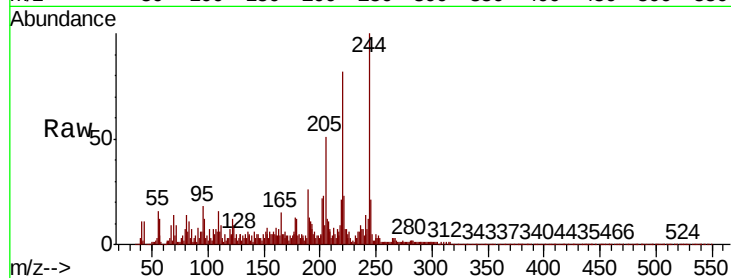
#79
 Terphenyl-d14
 Concen: 21.776 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.02 min
 Lab File: BP000552.D
 Acq: 07 Oct 2019 18:56

Instrument :
 BNA_P
 ClientSampled :
 S-3(0-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.0	9.0
122	11.6	8.9	13.3

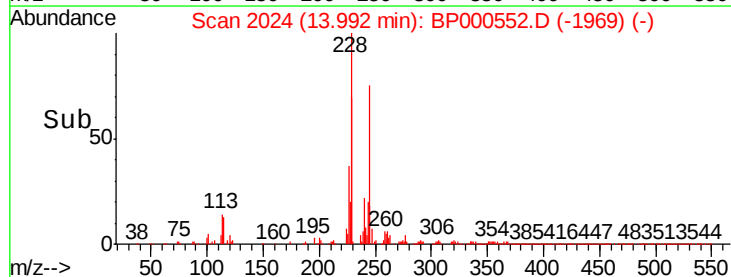
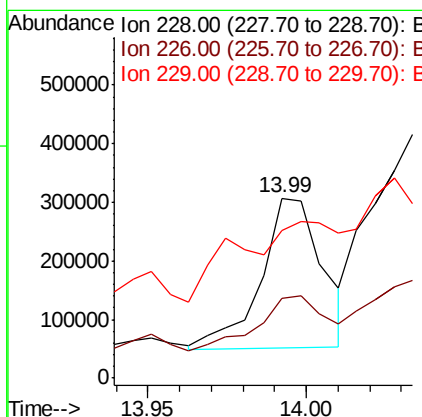
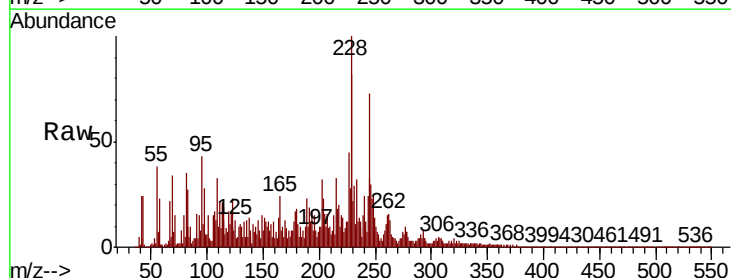
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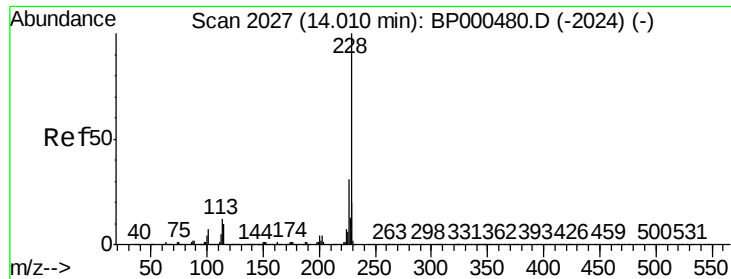
mohammad
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#81
 Benzo(a)anthracene
 Concen: 9.536 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.02 min
 Lab File: BP000552.D
 Acq: 07 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	44.6	21.4	32.2#
229	81.8	14.7	22.1#





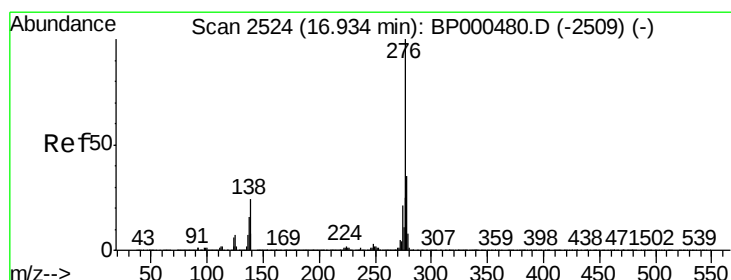
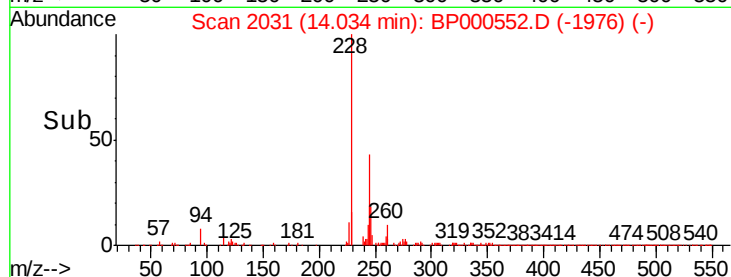
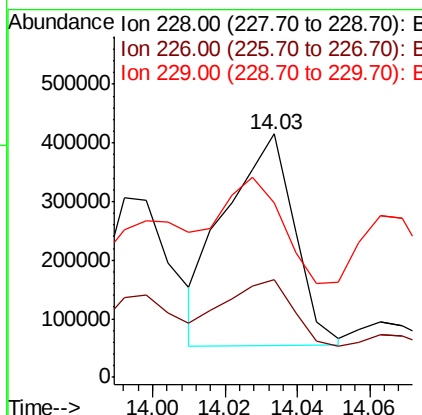
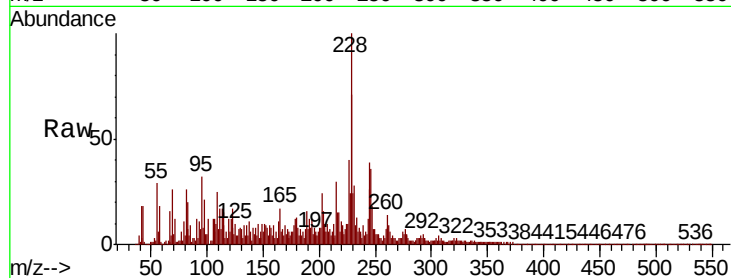
#83
Chrysene
Concen: 13.299 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.02 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Instrument :
BNA_P
ClientSampled :
S-3(0-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.9	24.7	37.1#
229	71.4	16.3	24.5#

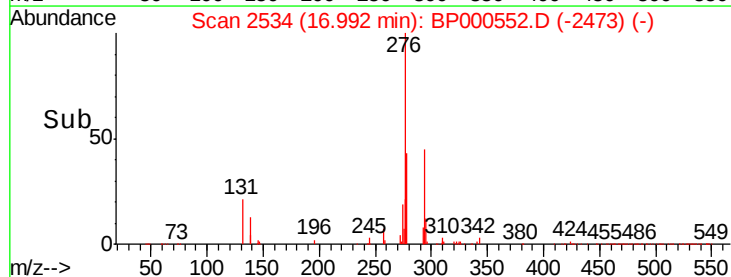
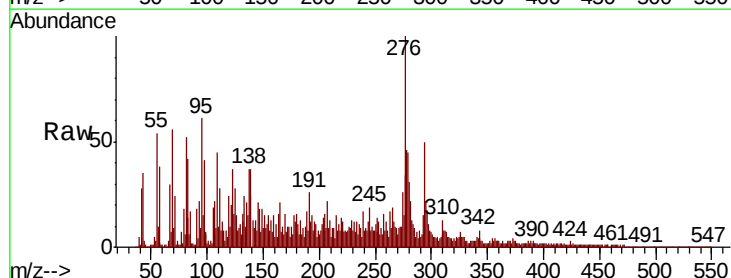
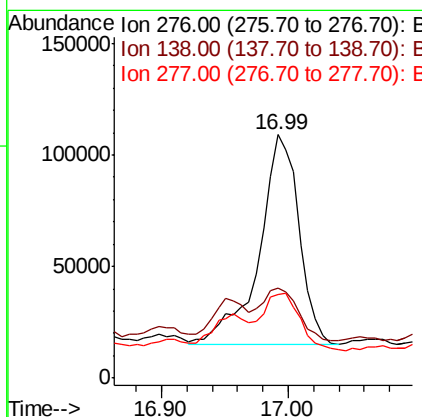
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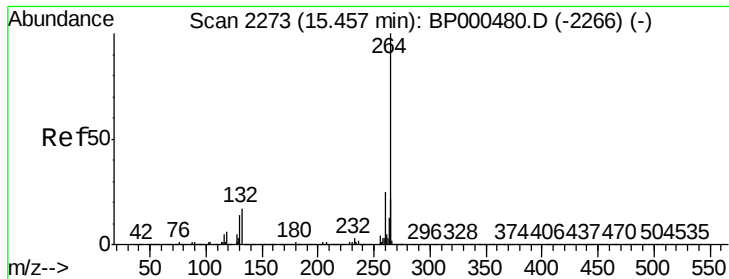
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.618 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.06 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.5	20.9	31.3
277	26.2	20.6	30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.05 min

Lab File: BP000552.D

Acq: 07 Oct 2019 18:56

Instrument :

BNA_P

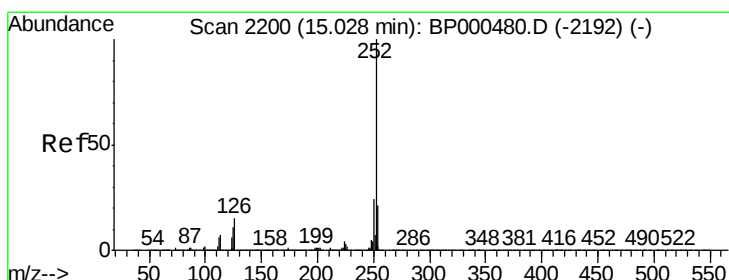
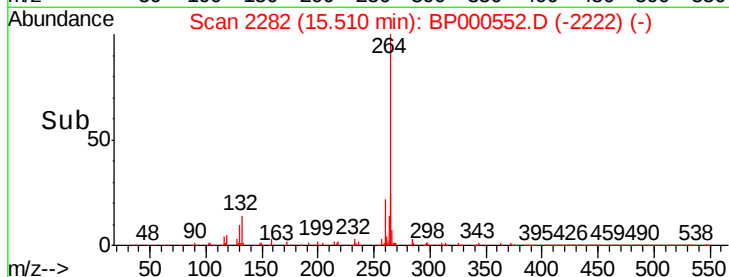
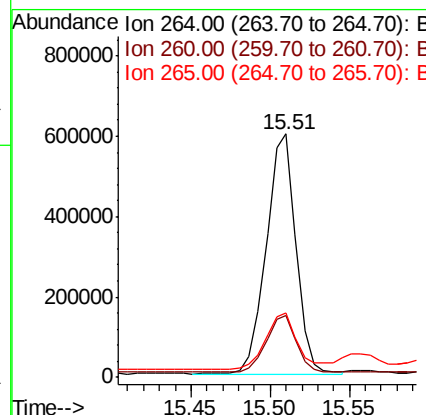
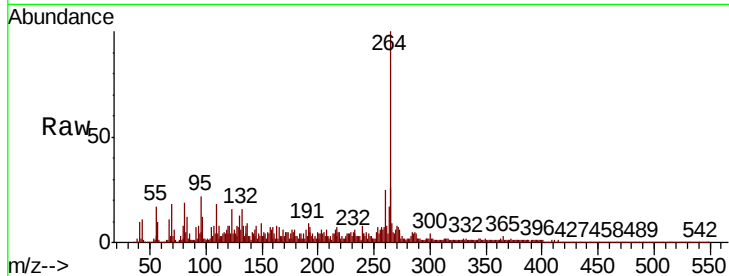
ClientSampleId :

S-3(0-5)

Tot Ion:	264	Resp:	782718
Ion Ratio		Lower	Upper
264	100		
260	25.4	20.3	30.5
265	26.4	18.0	27.0

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#88

Benzo(b)fluoranthene

Concen: 8.024 ng m

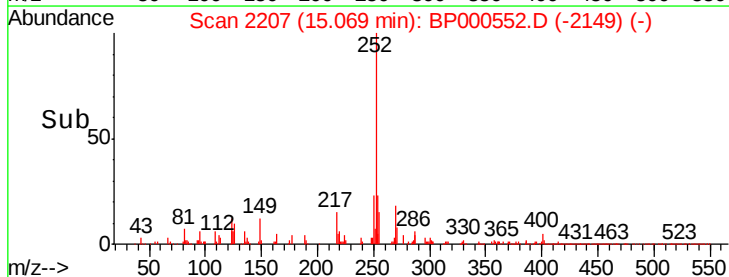
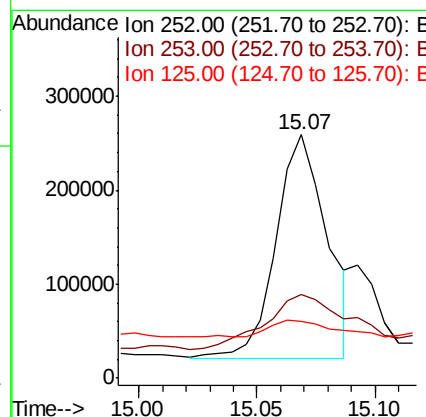
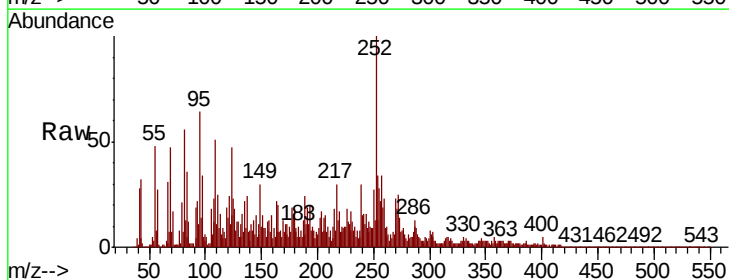
RT: 15.07 min Scan# 2207

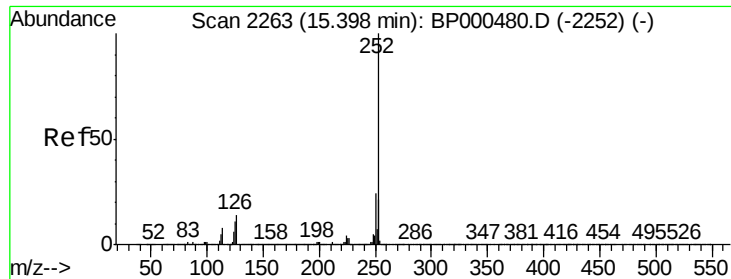
Delta R.T. 0.04 min

Lab File: BP000552.D

Acq: 07 Oct 2019 18:56

Tgt Ion:	252	Resp:	356297
Ion Ratio		Lower	Upper
252	100		
253	34.2	17.0	25.4#
125	23.3	8.9	13.3#





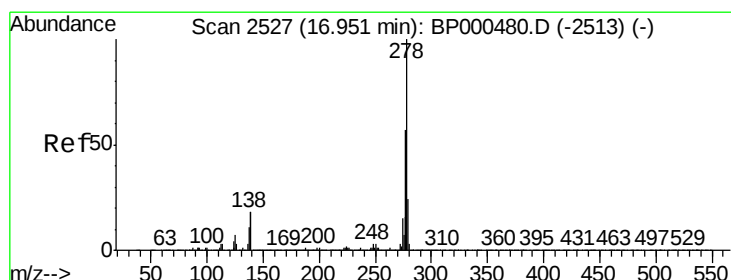
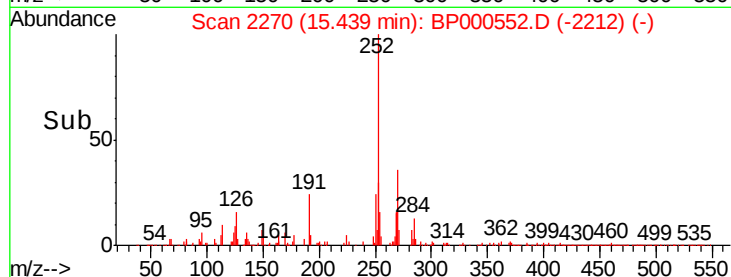
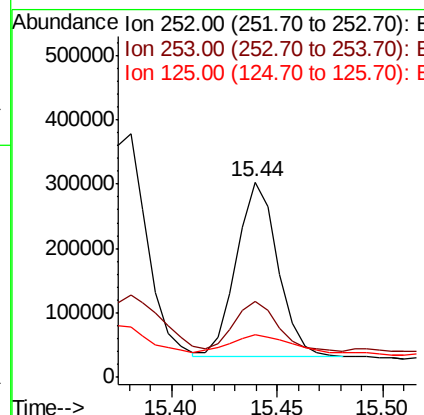
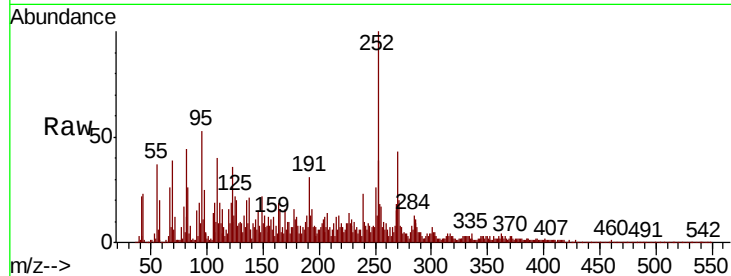
#90
Benzo(a)pyrene
Concen: 8.888 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.04 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Instrument :
BNA_P
ClientSampled :
S-3(0-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	38.6	17.0	25.6#
125	22.0	8.4	12.6#

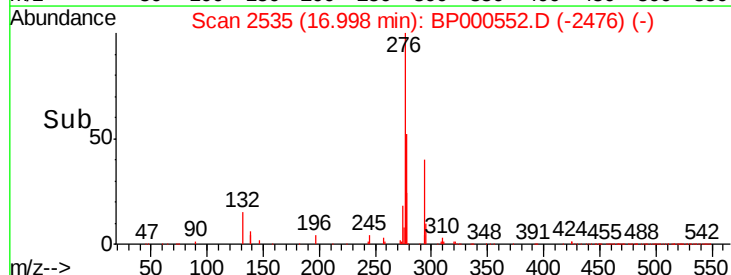
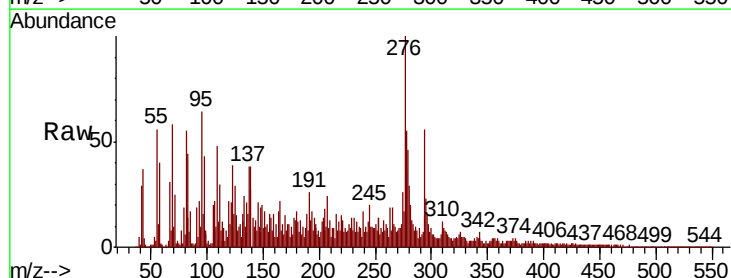
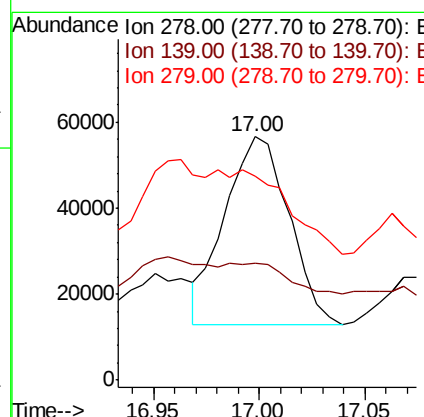
Manual Integrations
APPROVED

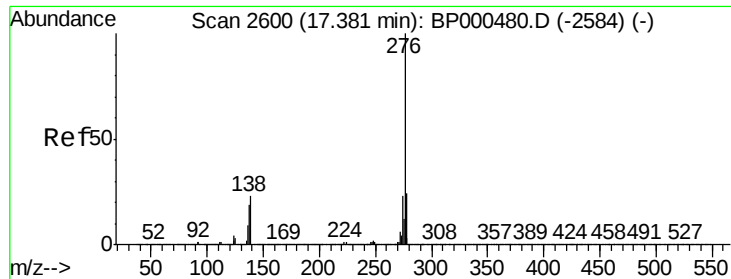
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.300 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.05 min
Lab File: BP000552.D
Acq: 07 Oct 2019 18:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	48.0	14.1	21.1#
279	83.6	19.5	29.3#





#92
 Benzo(a,h,i)perylene
 Concen: 9.230 ng
 RT: 17.45 min Scan# 2611
 Delta R.T. 0.06 min
 Lab File: BP000552.D
 Acq: 07 Oct 2019 18:56

Instrument :
 BNA_P
 ClientSampleId :
 S-3(0-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.3	19.4	29.2#
138	28.7	18.5	27.7#

Manual Integrations
 APPROVED

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