

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
 Data File : BP000553.D
 Acq On : 07 Oct 2019 19:20
 Operator : JU
 Sample : K5213-06 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S-3(5-10)

Manual Integrations
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mohammad
 10/8/2019 12:24:02 PM

Quant Time: Oct 08 10:42:57 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	252497	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	712524	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	251567	20.00	ng	0.02
64) Phenanthrene-d10	11.34	188	530161	20.00	ng	0.03
76) Chrysene-d12	14.02	240	509247	20.00	ng	0.04
87) Perylene-d12	15.52	264	681985	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	527692	33.59	ng	0.00
7) Phenol-d6	6.40	99	694581	36.69	ng	0.00
23) Nitrobenzene-d5	7.32	82	447565	38.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	128953	48.10	ng	0.02
45) 2-Fluorobiphenyl	9.14	172	475347	30.57	ng	0.00
79) Terphenyl-d14	12.95	244	539715	21.46	ng	0.03
Target Compounds						
31) Naphthalene	8.07	128	81432	2.447	ng	# 25
38) 1-Methylnaphthalene	8.87	142	280226	13.276	ng	# 90
49) Acenaphthylene	9.69	152	188436	8.506	ng	# 1
52) Acenaphthene	9.87	154	135051	10.050	ng	# 84
58) Fluorene	10.39	166	202115	14.117	ng	# 71
71) Phenanthrene	11.36	178	264075	9.918	ng	# 56
72) Anthracene	11.42	178	338081	12.806	ng	# 69
74) Di-n-butylphthalate	11.90	149	155756	5.225	ng	# 33
75) Fluoranthene	12.57	202	564987	18.893	ng	# 89
78) Pyrene	12.81	202	1977657	56.307	ng	# 97
81) Benzo(a)anthracene	14.00	228	599737	19.302	ng	# 38
83) Chrysene	14.05	228	742283	24.340	ng	# 58
86) Indeno(1,2,3-cd)pyrene	17.01	276	329115	8.639	ng	# 96
88) Benzo(b)fluoranthene	15.08	252	665699m	17.206	ng	
89) Benzo(k)fluoranthene	15.10	252	150508m	4.086	ng	
90) Benzo(a)pyrene	15.46	252	642399m	17.811	ng	
91) Dibenzo(a,h)anthracene	17.02	278	232592	6.649	ng	# 38
92) Benzo(g,h,i)perylene	17.46	276	544117	15.308	ng	# 91

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

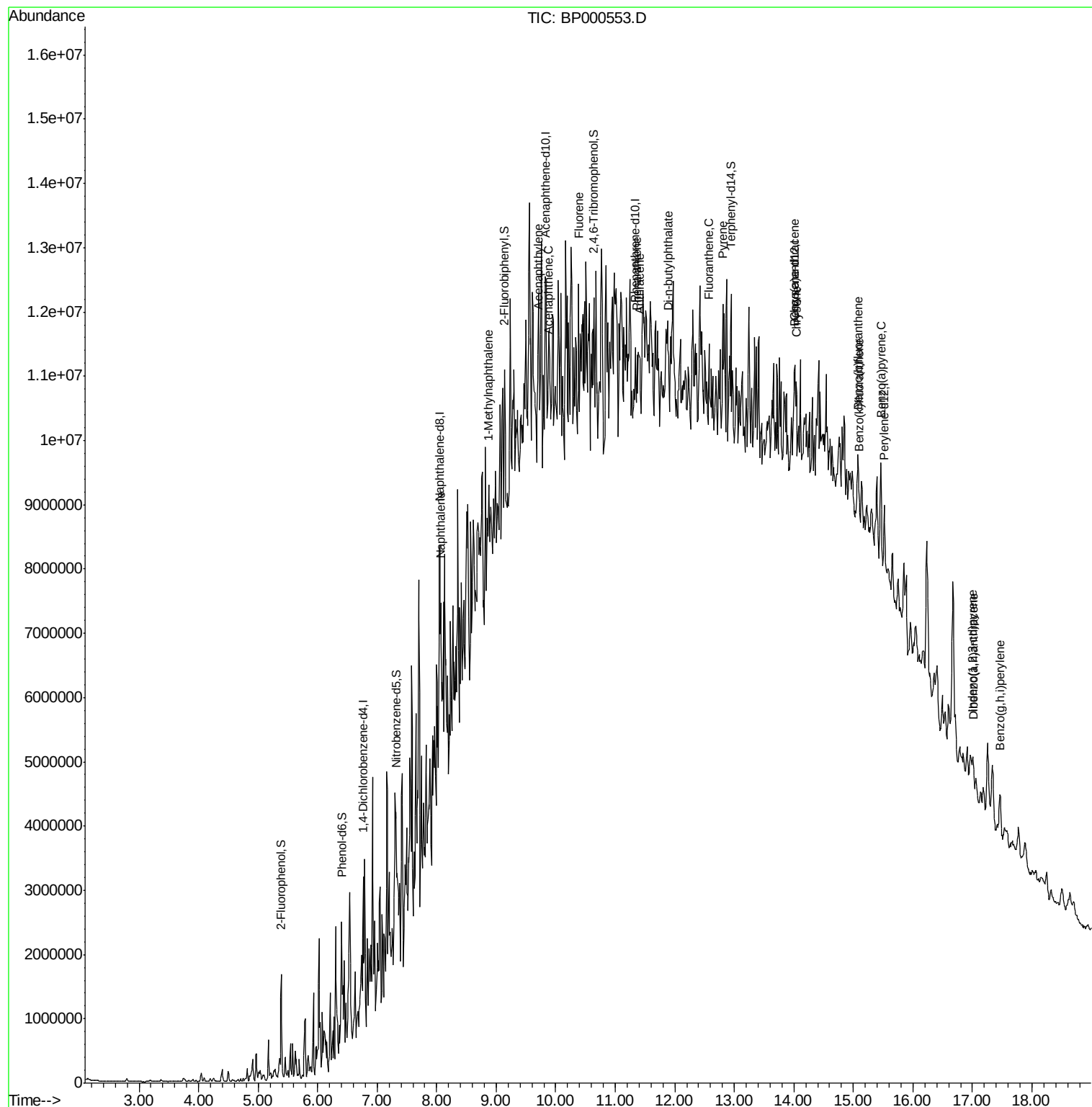
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
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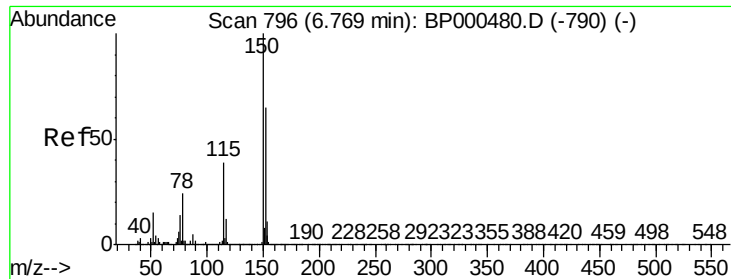
Instrument :
BNA_P
ClientSampled :
S-3(5-10)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

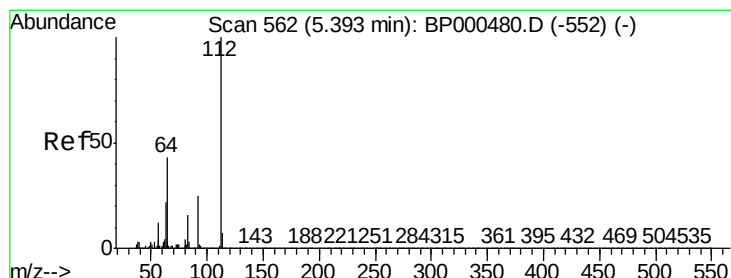
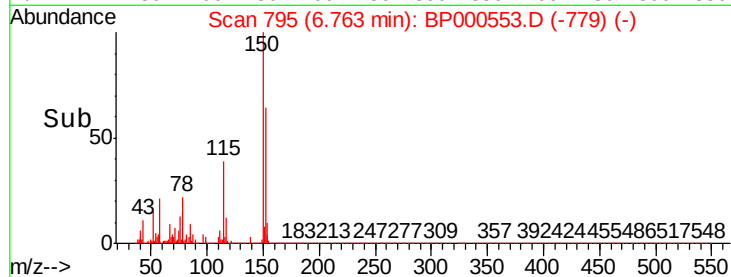
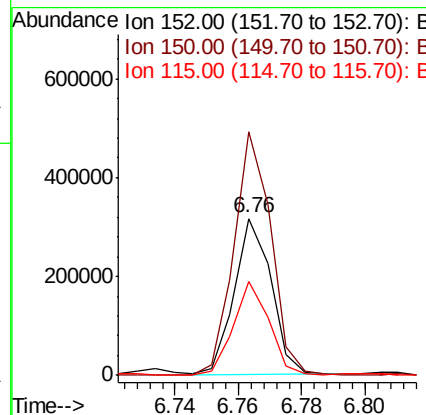
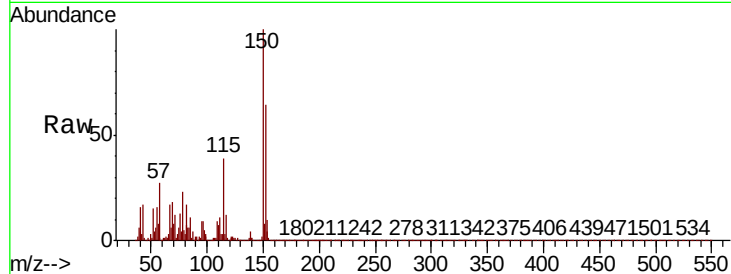
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Instrument :
BNA_P
ClientSampleId :
S-3(5-10)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	252497		
150	155.4	124.1	186.1	
115	60.0	48.7	73.1	

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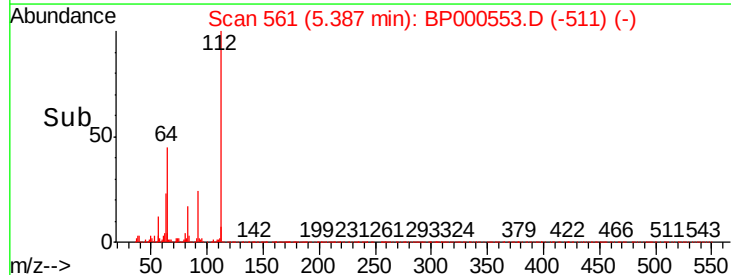
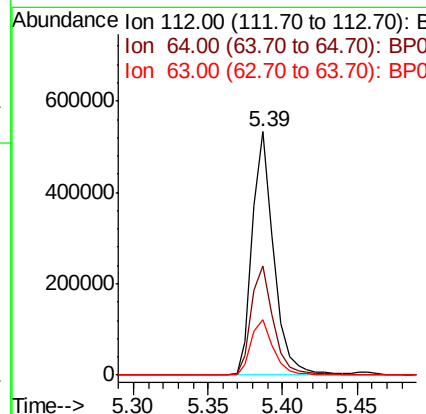
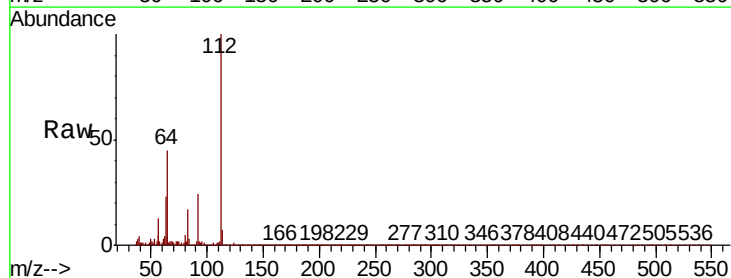
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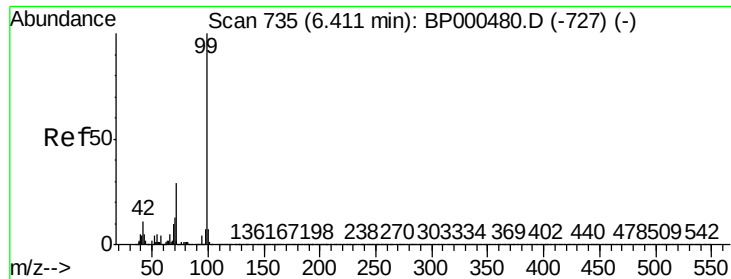


#5

2-Fluorophenol
Concen: 33.594 ng
RT: 5.39 min Scan# 561
Delta R.T. -0.01 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	527692		
64	44.7	34.2	51.4	
63	22.7	17.9	26.9	





#7

Phenol-d6

Concen: 36.694 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

Instrument :

BNA_P

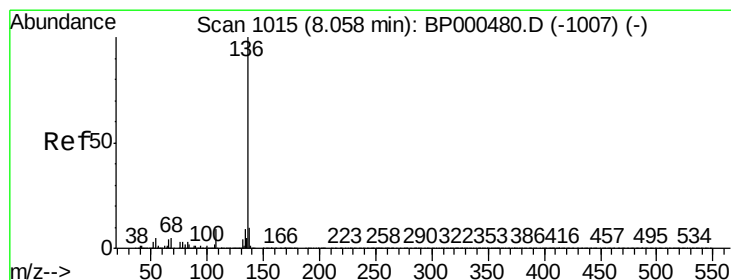
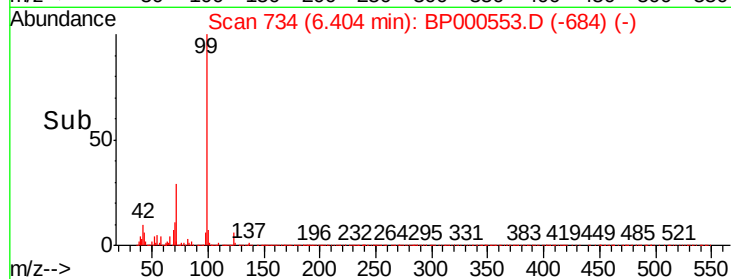
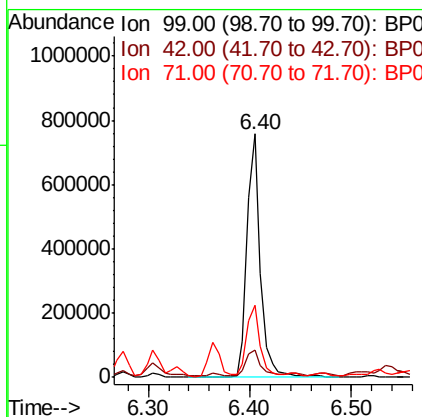
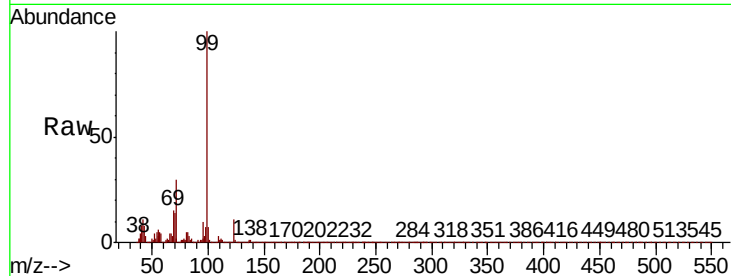
ClientSampled :

S-3(5-10)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		694581		
42	11.3	8.6	12.8		
71	29.8	23.0	34.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

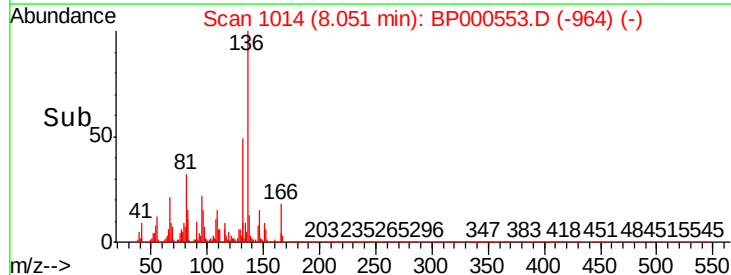
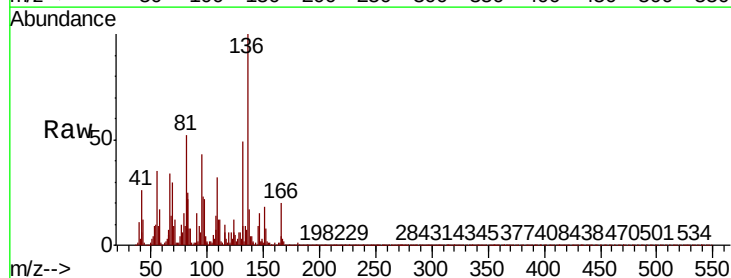
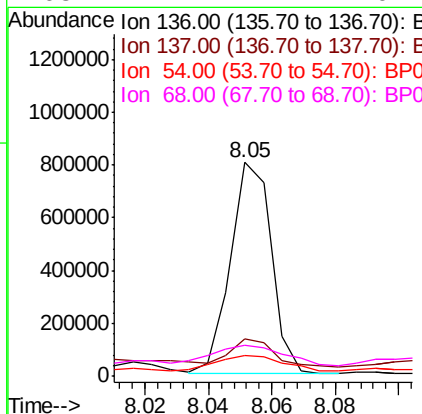
RT: 8.05 min Scan# 1014

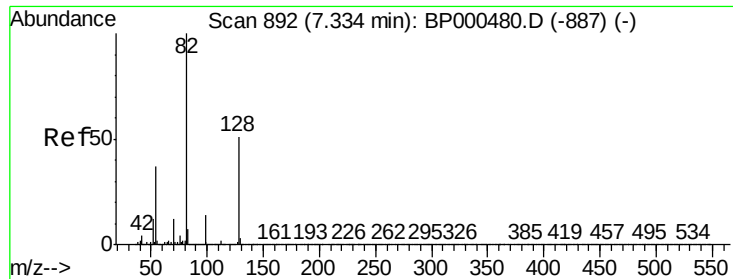
Delta R.T. -0.01 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		712524		
137	17.3	8.2	12.4#		
54	9.7	4.1	6.1#		
68	14.1	4.1	6.1#		





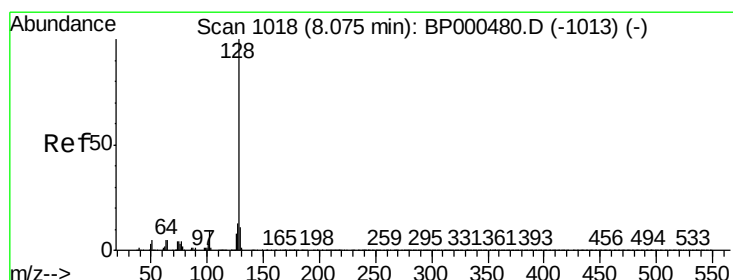
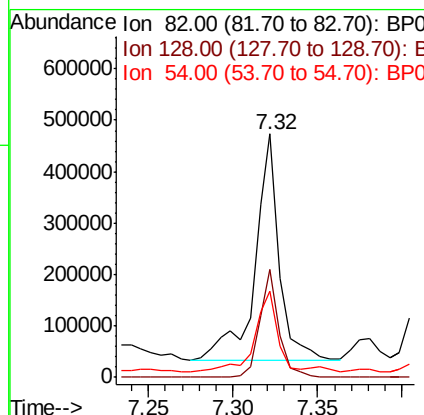
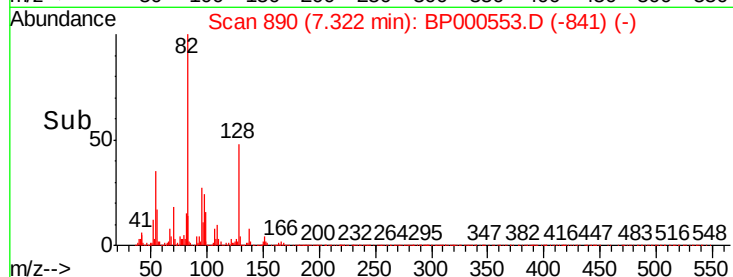
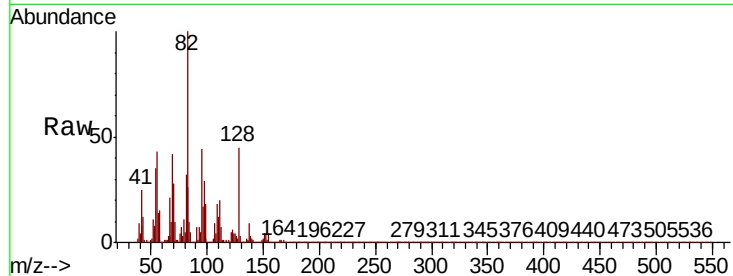
#23
Nitrobenzene-d5
Concen: 38.364 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Instrument :
BNA_P
ClientSampleId :
S-3(5-10)

Tot Ion	82	Resp	447565
Ion Ratio	Lower	Upper	
82	100		
128	44.6	40.9	61.3
54	35.4	29.4	44.2

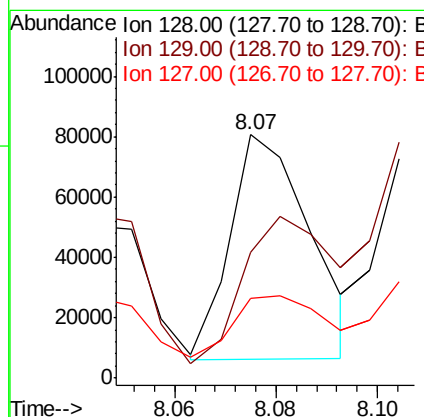
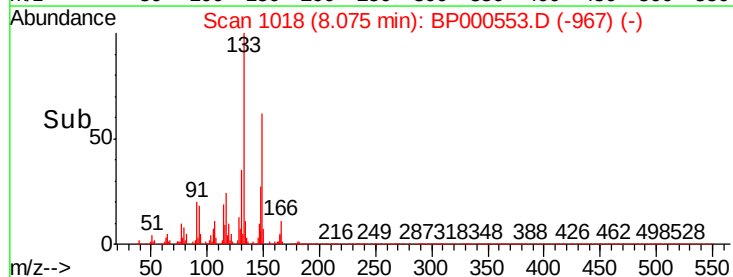
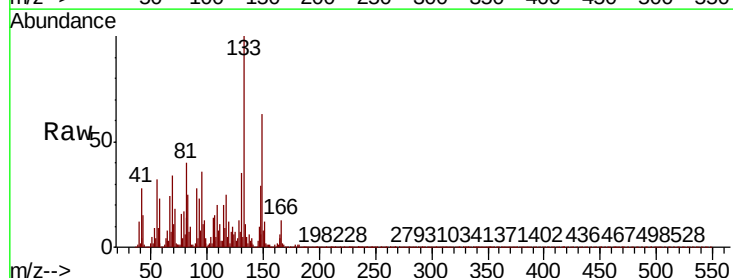
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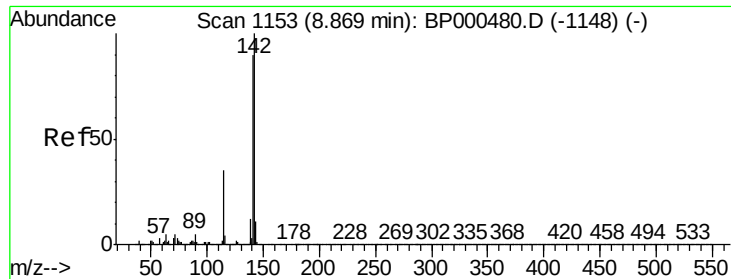
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#31
Naphthalene
Concen: 2.447 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion	128	Resp	81432
Ion Ratio	Lower	Upper	
128	100		
129	51.5	9.0	13.6#
127	32.6	10.5	15.7#





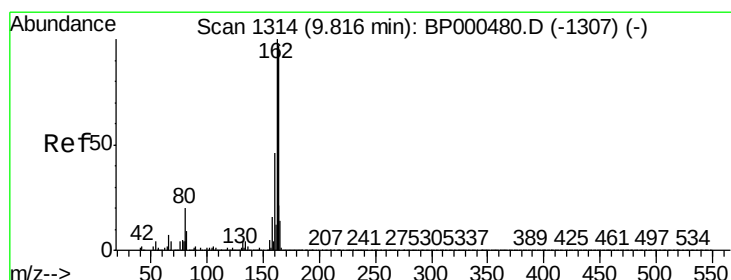
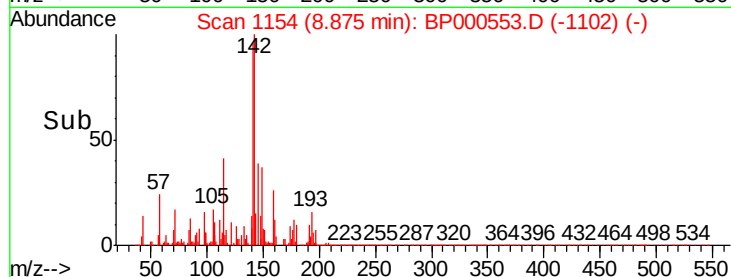
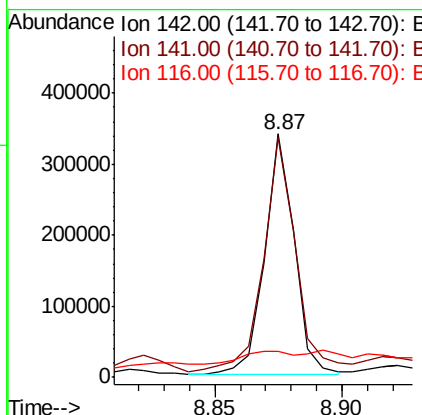
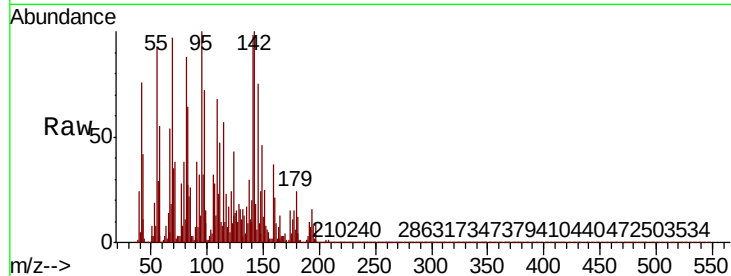
#38
1-Methylnaphthalene
Concen: 13.276 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Instrument :
BNA_P
ClientSampleId :
S-3(5-10)

Tot Ion	Ratio	Resp	Lower	Upper
142	100	280226		
141	98.5	71.9	107.9	
116	10.5	3.0	4.4	

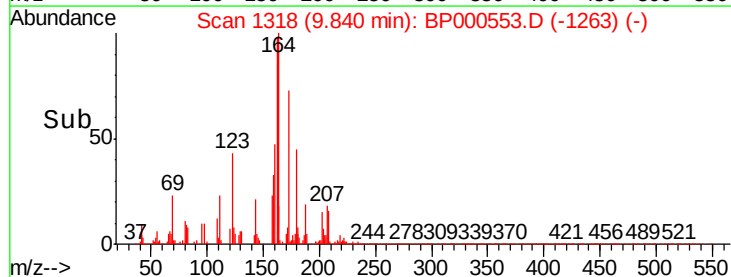
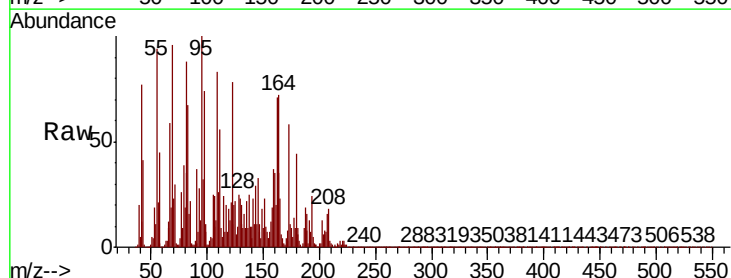
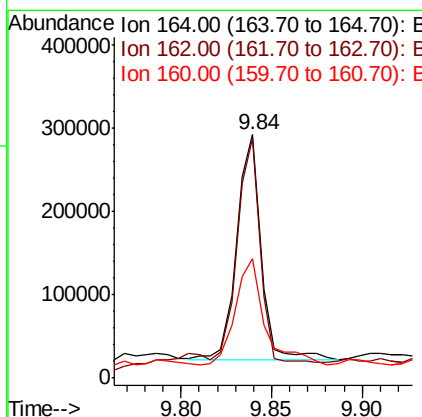
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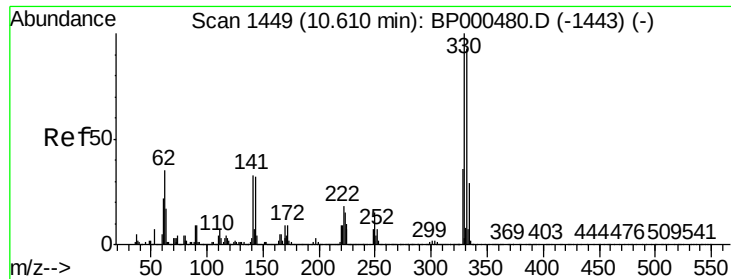
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.02 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	251567		
162	98.6	82.2	123.2	
160	49.0	37.6	56.4	





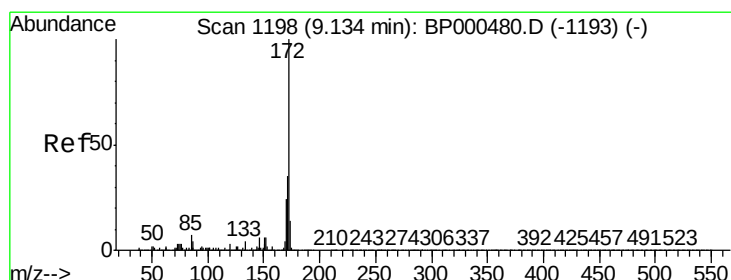
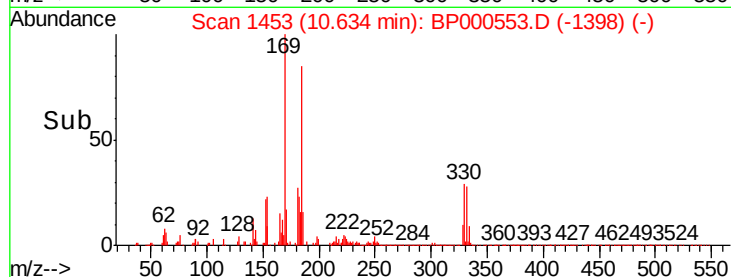
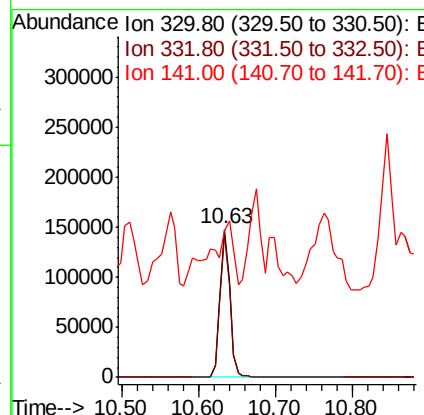
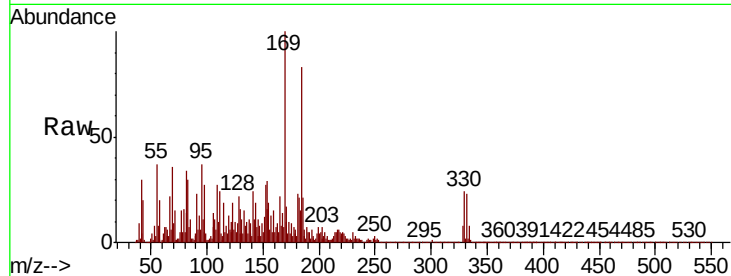
#42
2,4,6-Tribromophenol
Concen: 48.103 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.02 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Instrument :
BNA_P
ClientSampled :
S-3(5-10)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	77.1	115.7	
141	102.8	26.0	39.0	

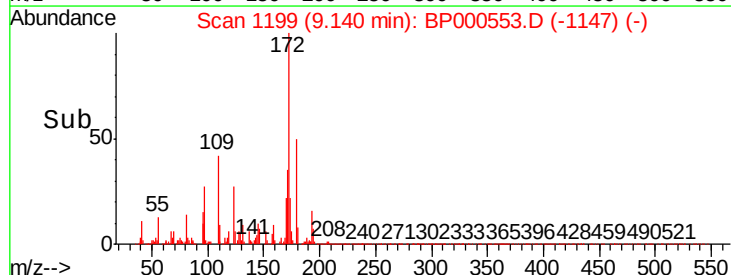
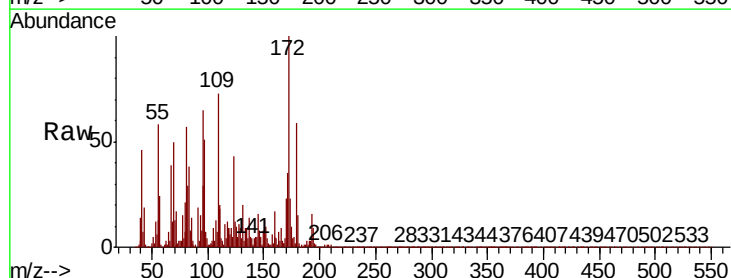
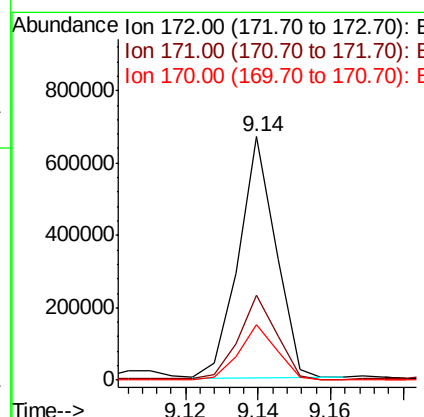
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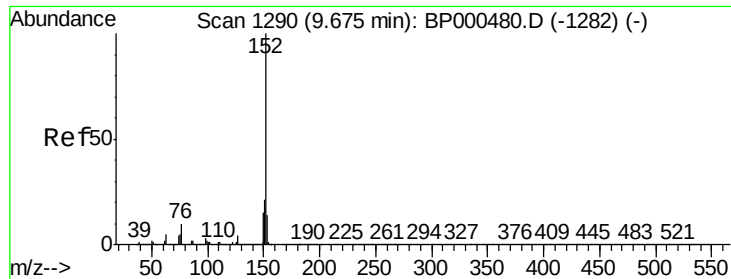
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#45
2-Fluorobiphenyl
Concen: 30.573 ng
RT: 9.14 min Scan# 1199
Delta R.T. 0.01 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.0	28.4	42.6	
170	22.6	19.1	28.7	





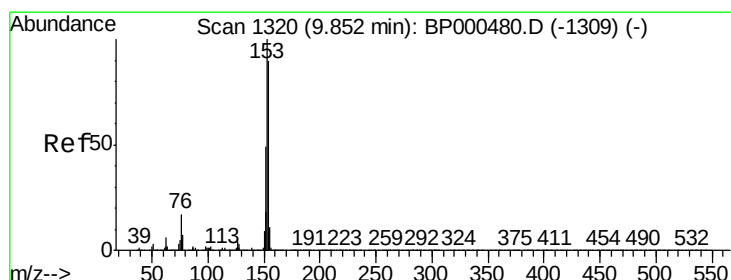
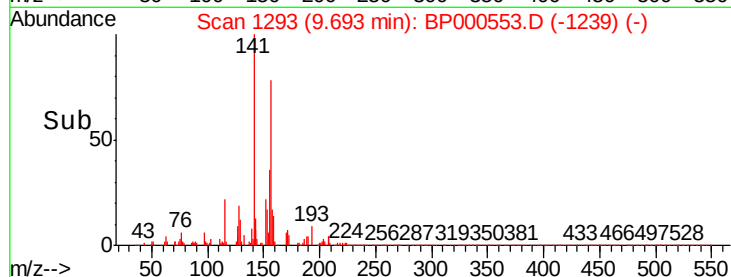
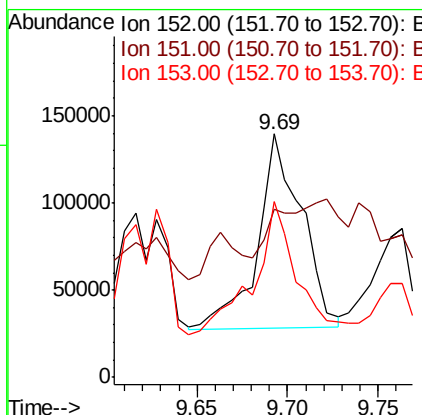
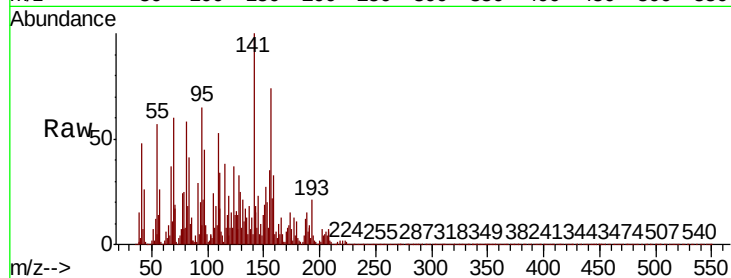
#49
Acenaphthylene
Concen: 8.506 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.02 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Instrument :
BNA_P
ClientSampleId :
S-3(5-10)

Tot Ion	Ratio	Lower	Upper
152	100		
151	68.9	16.6	25.0#
153	72.4	11.0	16.6#

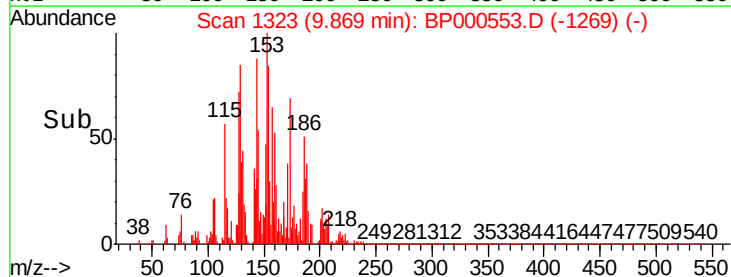
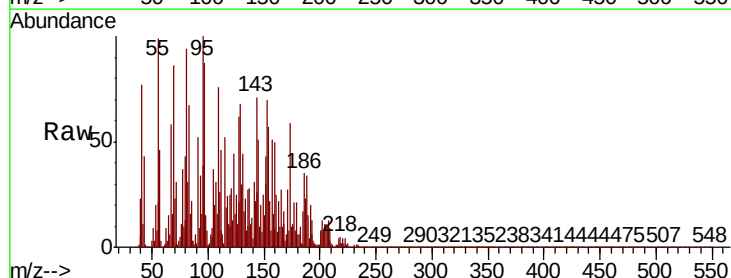
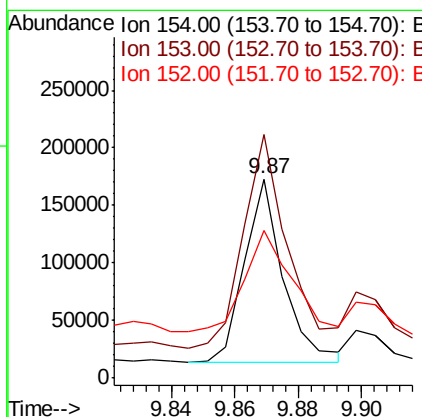
Manual Integrations
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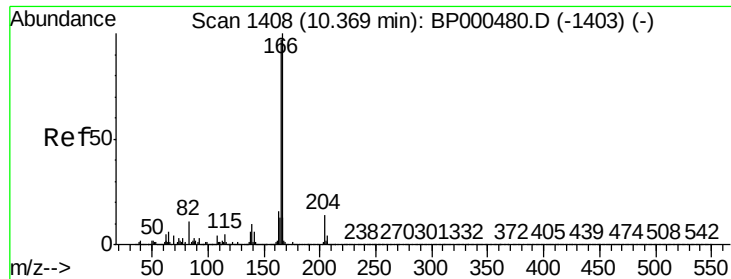
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#52
Acenaphthene
Concen: 10.050 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.02 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	122.3	89.4	134.0
152	74.3	43.8	65.8#





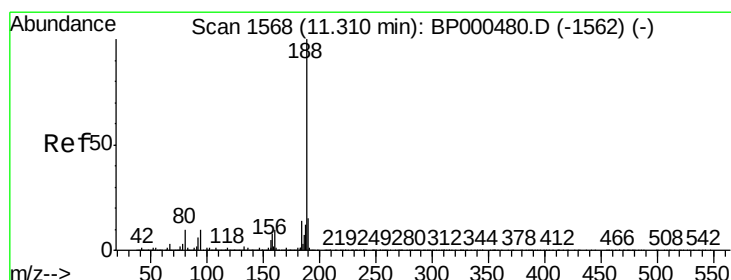
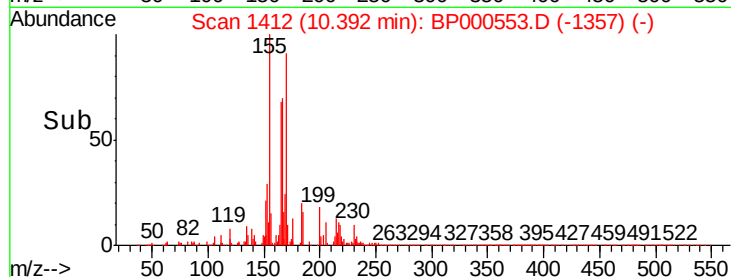
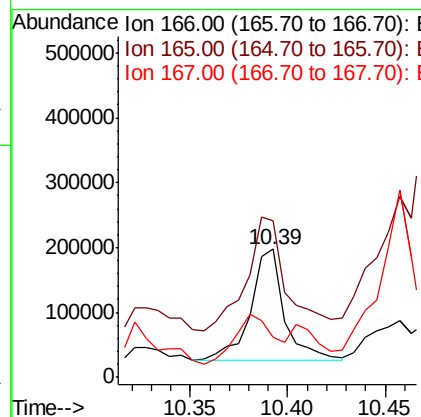
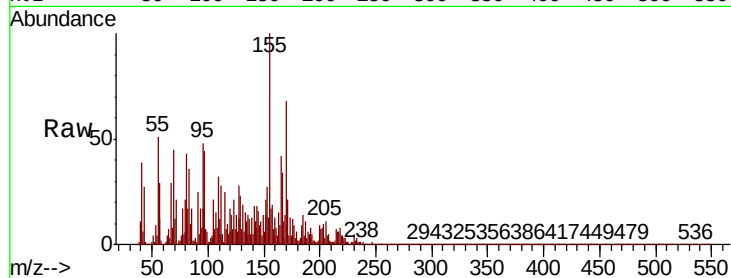
#58
 Fluorene
 Concen: 14.117 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.02 min
 Lab File: BP000553.D
 Acq: 07 Oct 2019 19:20

Instrument :
 BNA_P
 ClientSampled :
 S-3(5-10)

Tot Ion	Ratio	Resp	Lower	Upper
166	100	202115		
165	122.6	77.3	115.9#	
167	31.3	10.6	16.0#	

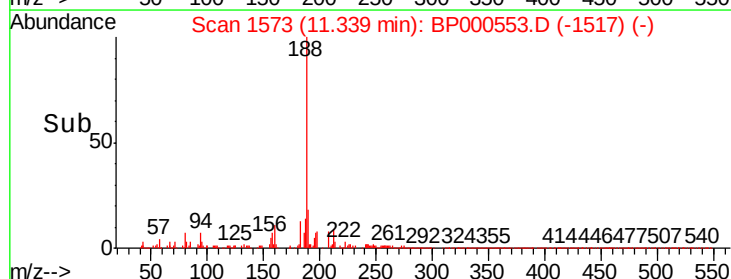
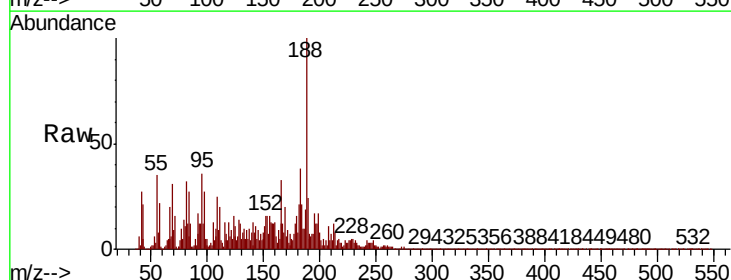
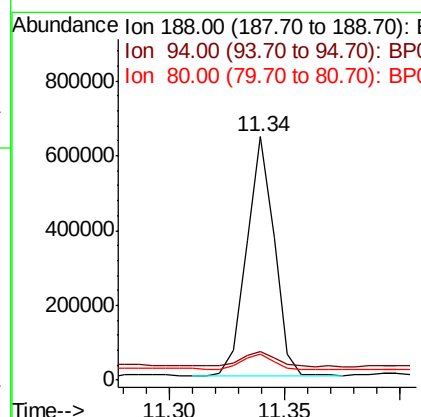
Manual Integrations
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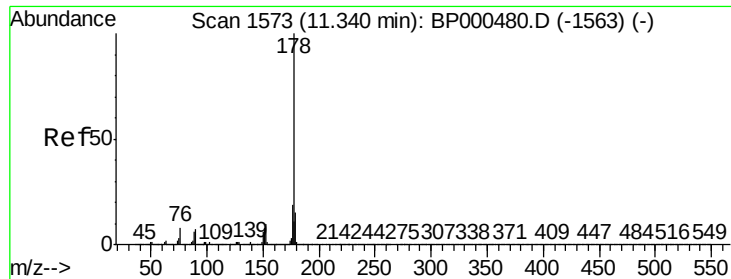
mohammad
 10/8/2019 12:24:02 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.03 min
 Lab File: BP000553.D
 Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	530161		
94	11.9	8.2	12.2	
80	10.9	8.3	12.5	





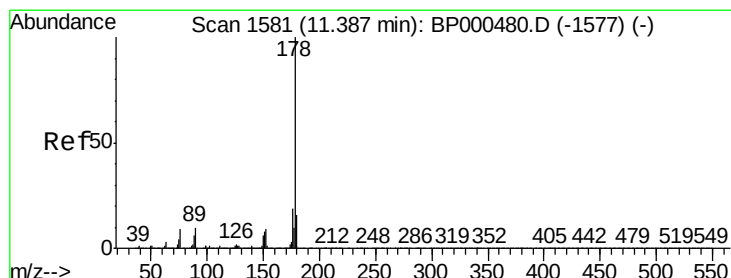
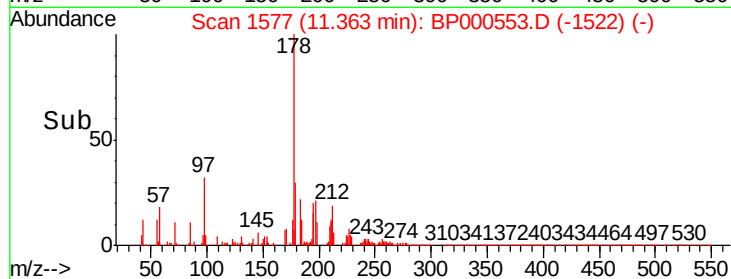
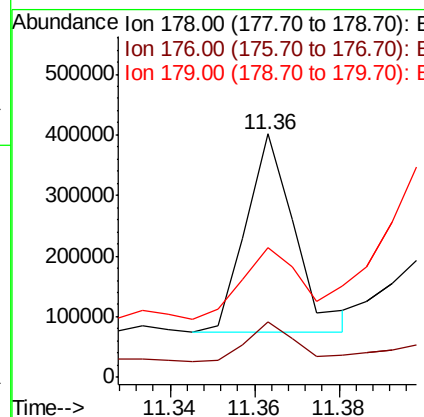
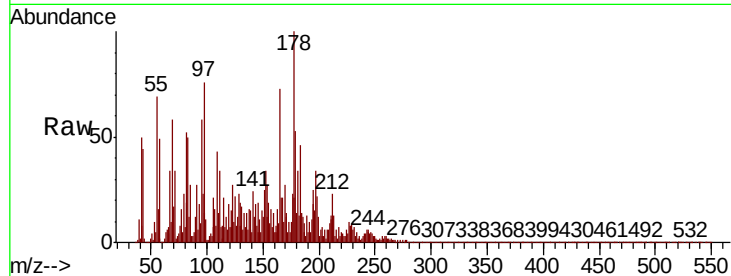
#71
Phenanthrene
Concen: 9.918 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.02 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Instrument :
BNA_P
ClientSampled :
S-3(5-10)

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.7	15.4	23.2
179	53.1	12.2	18.4

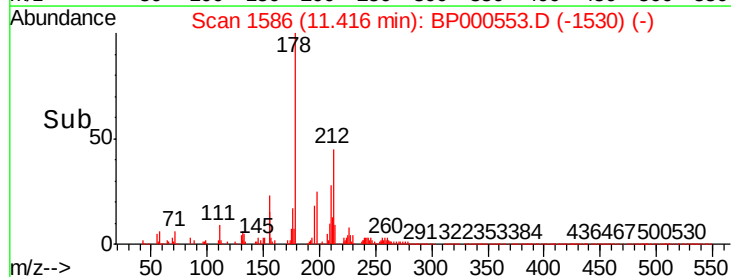
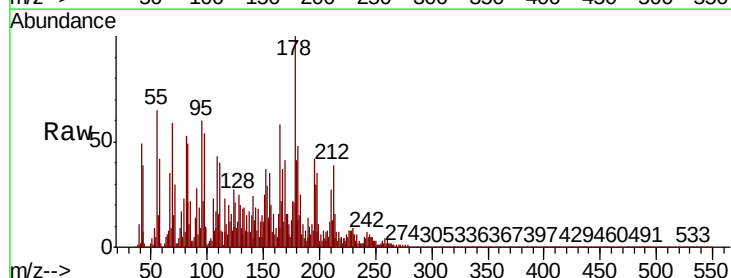
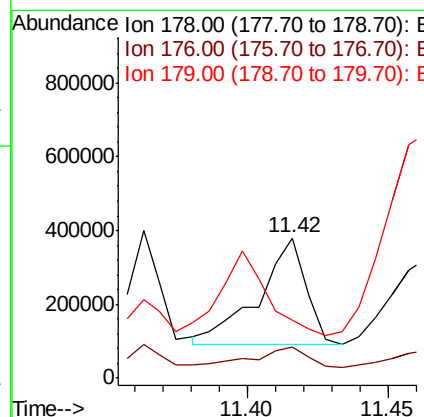
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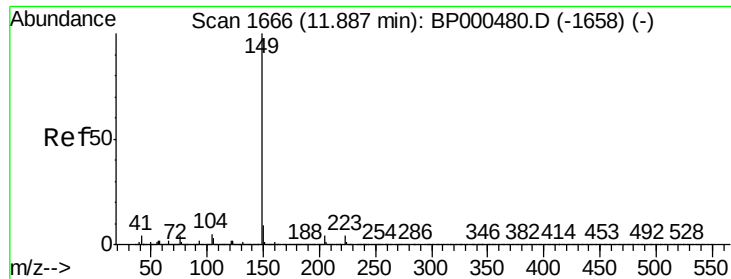
mohammad
10/8/2019 12:24:02 PM



#72
Anthracene
Concen: 12.806 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.03 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.4	15.4	23.0
179	41.1	12.6	19.0





#74

Di-n-butylphthalate

Concen: 5.225 ng

RT: 11.90 min Scan# 1668

Delta R.T. 0.01 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

Instrument :

BNA_P

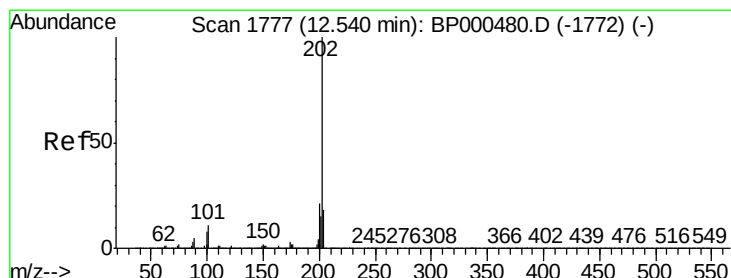
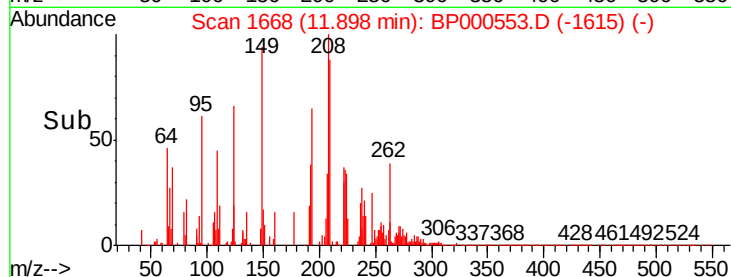
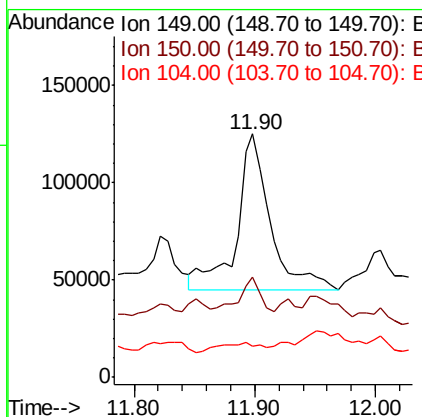
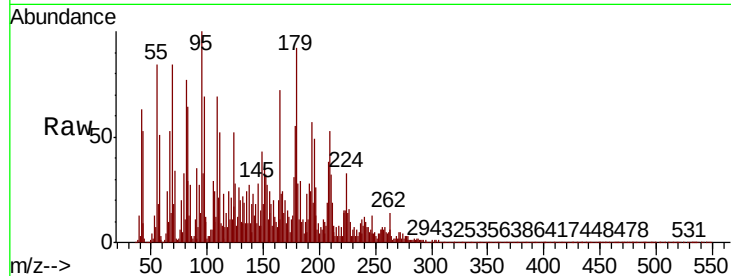
ClientSampled :

S-3(5-10)

Tot Ion:	149	Resp:	155756
Ion Ratio	Lower	Upper	
149	100		
150	41.4	7.4	11.2#
104	12.9	3.7	5.5#

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#75

Fluoranthene

Concen: 18.893 ng

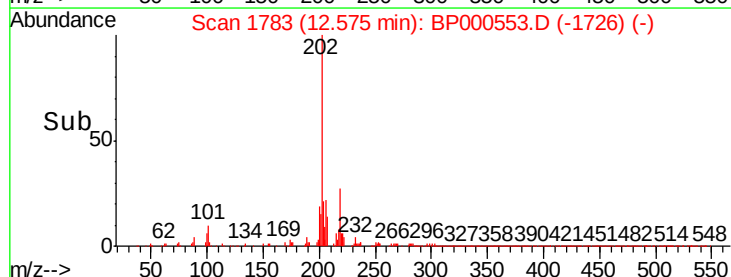
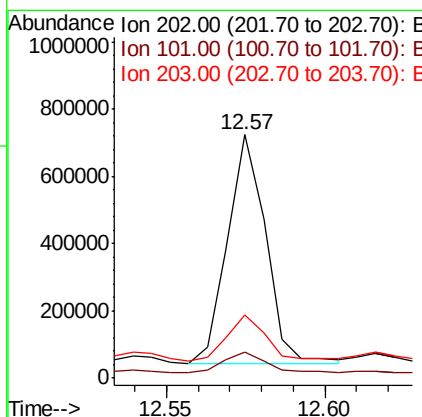
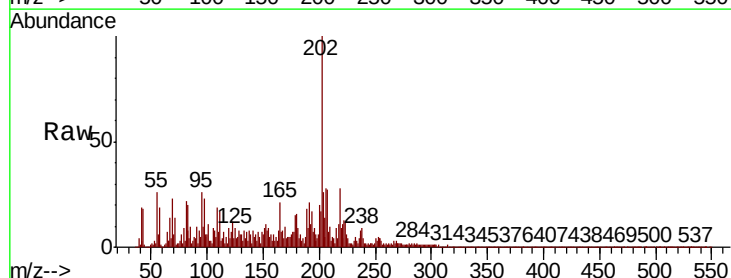
RT: 12.57 min Scan# 1783

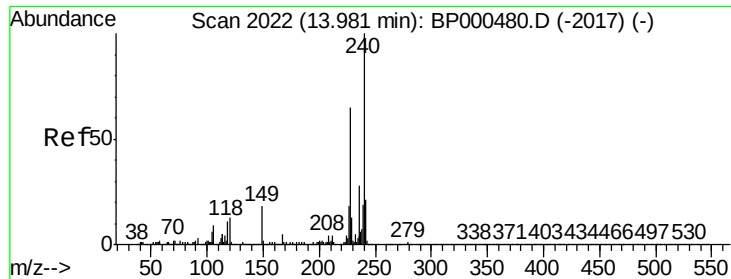
Delta R.T. 0.04 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

Tgt Ion:	202	Resp:	564987
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	31.3
203	25.9	0.0	38.1





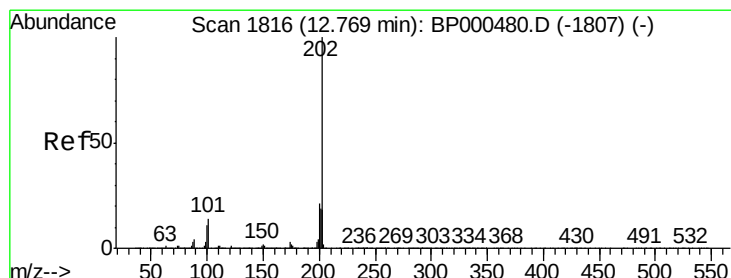
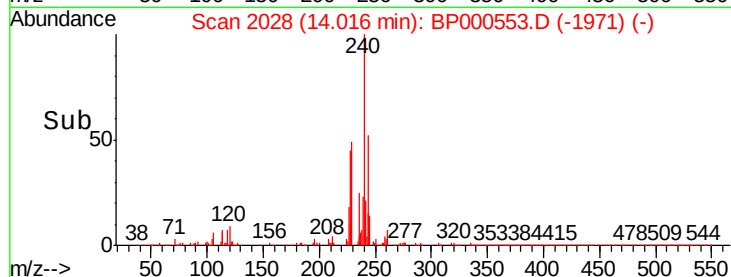
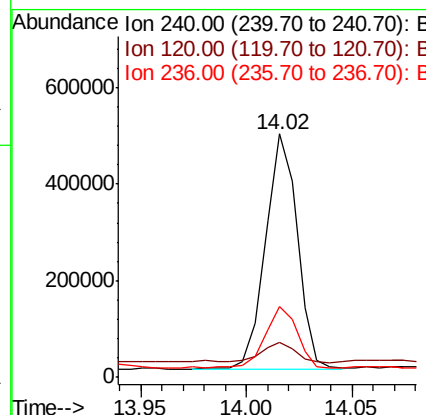
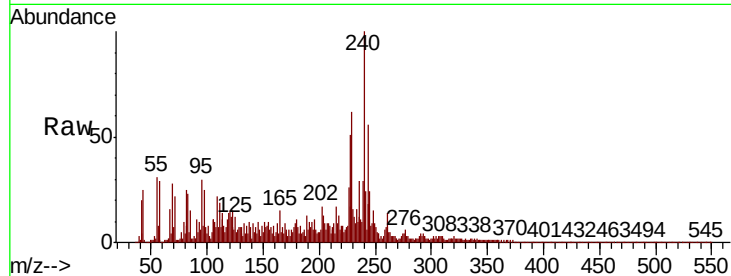
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.04 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Instrument :
BNA_P
ClientSampleId :
S-3(5-10)

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.6	10.1	15.1
236	29.2	22.7	34.1

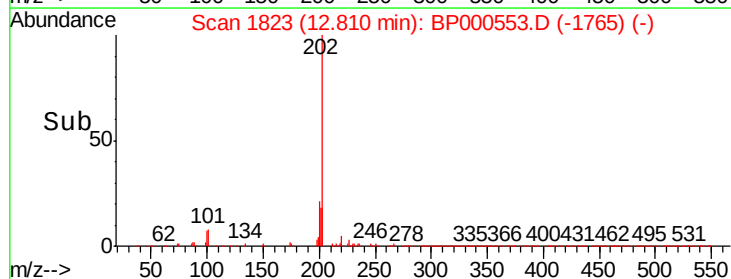
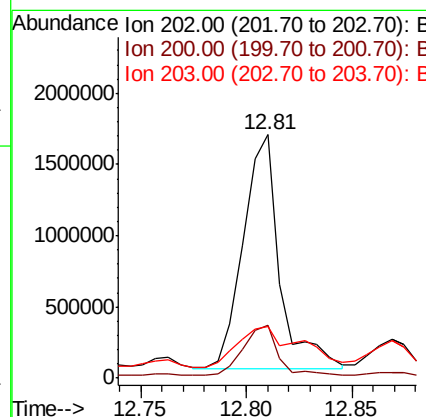
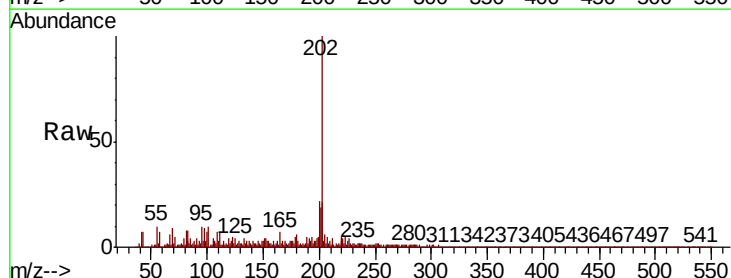
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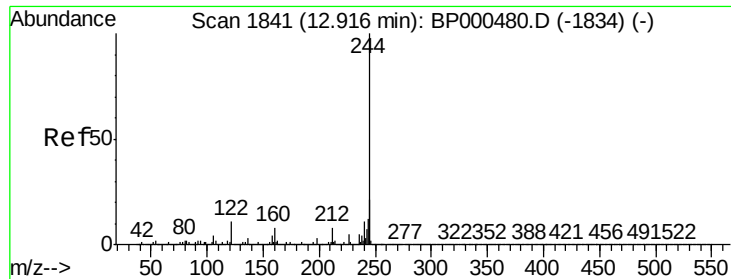
mohammad
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#78
Pyrene
Concen: 56.307 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.04 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.1	25.7
203	21.0	14.6	21.8





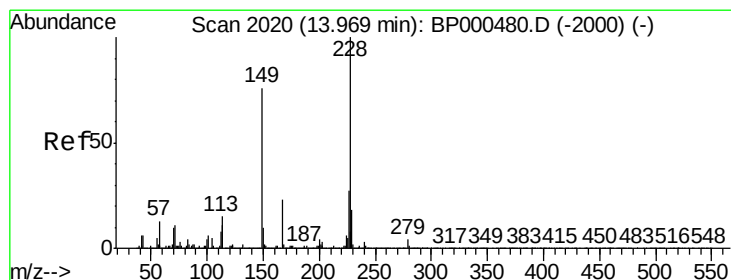
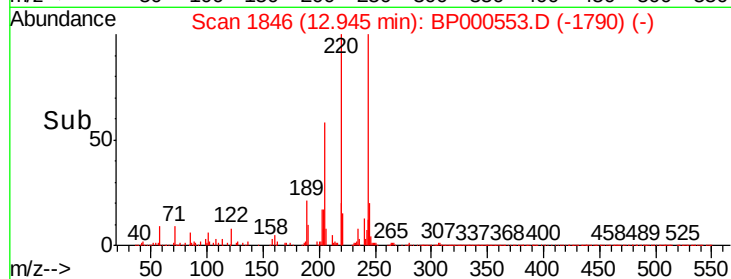
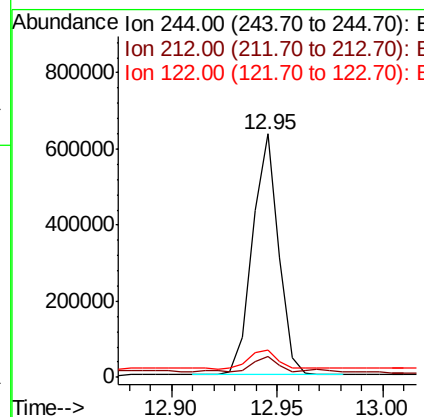
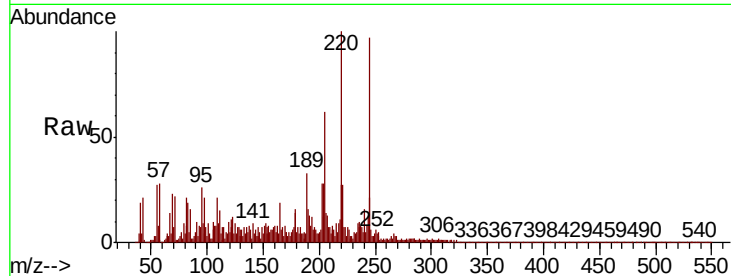
#79
 Terphenyl-d14
 Concen: 21.459 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. 0.03 min
 Lab File: BP000553.D
 Acq: 07 Oct 2019 19:20

Instrument :
 BNA_P
 ClientSampleId :
 S-3(5-10)

Tot Ion:	244	Resp:	539715
Ion Ratio		Lower	Upper
244	100		
212	8.6	6.0	9.0
122	11.4	8.9	13.3

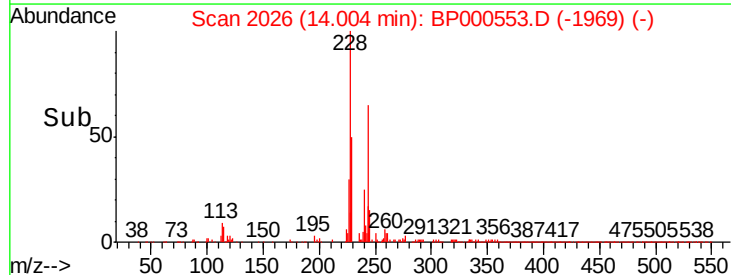
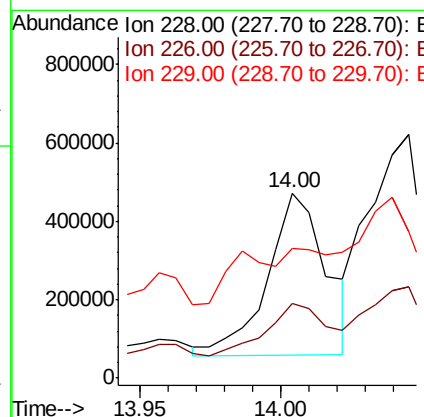
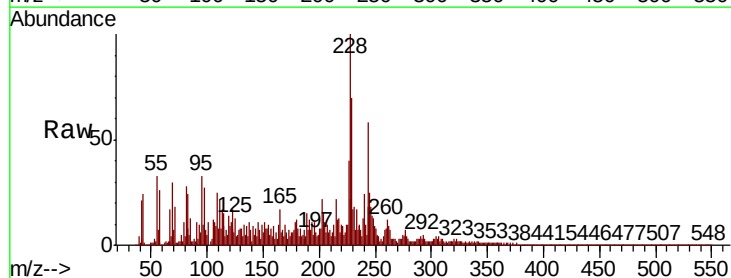
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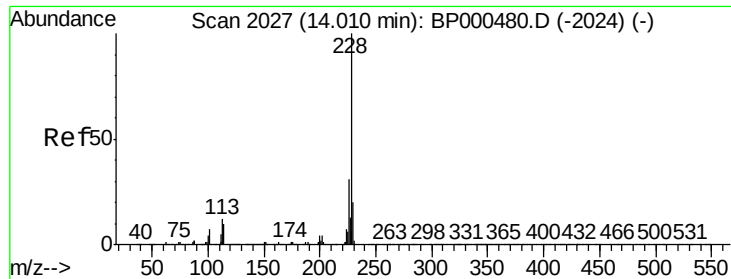
mohammad
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#81
 Benzo(a)anthracene
 Concen: 19.302 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.04 min
 Lab File: BP000553.D
 Acq: 07 Oct 2019 19:20

Tgt Ion:	228	Resp:	599737
Ion Ratio		Lower	Upper
228	100		
226	40.2	21.4	32.2#
229	69.9	14.7	22.1#





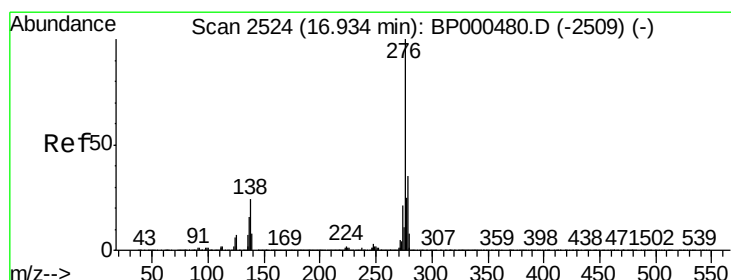
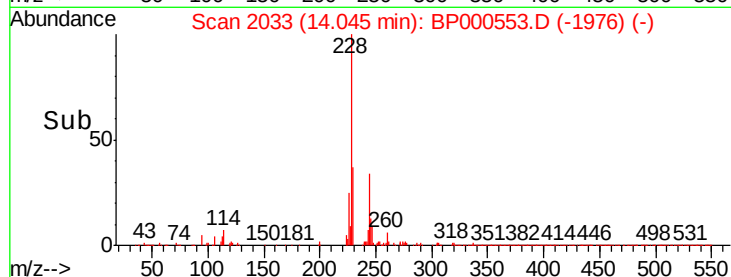
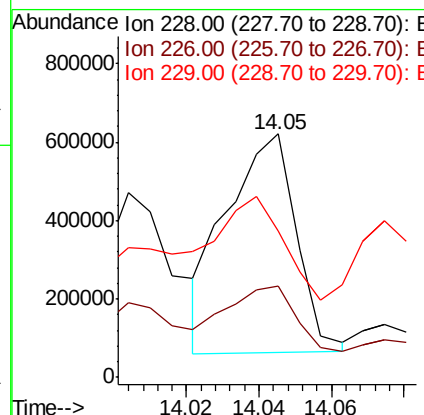
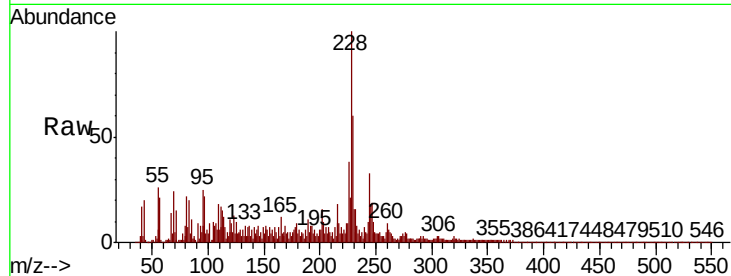
#83
Chrysene
Concen: 24.340 ng
RT: 14.05 min Scan# 2033
Delta R.T. 0.04 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Instrument :
BNA_P
ClientSampleId :
S-3(5-10)

Tot Ion	Ratio	Lower	Upper
228	100		
226	37.7	24.7	37.1#
229	60.3	16.3	24.5#

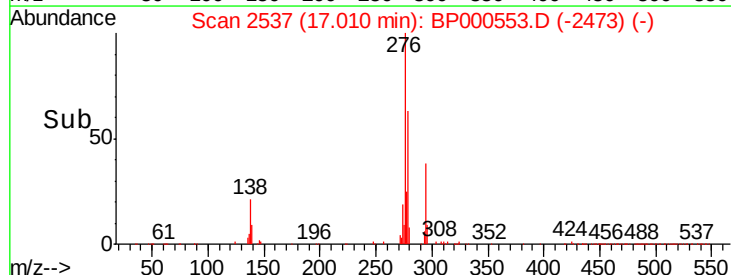
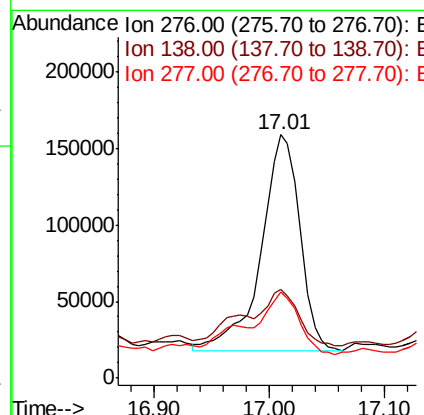
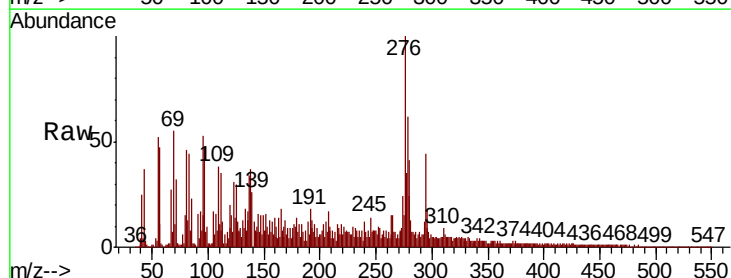
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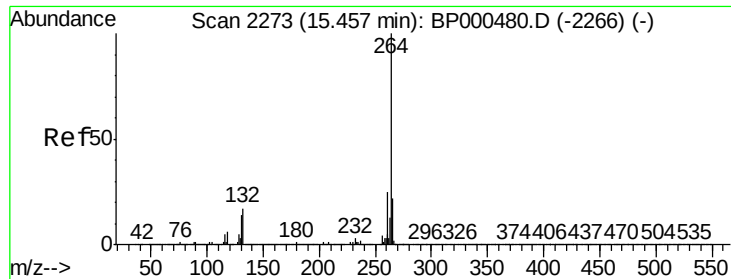
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 8.639 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.08 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.9	31.3
277	24.9	20.6	30.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. 0.06 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

Instrument :

BNA_P

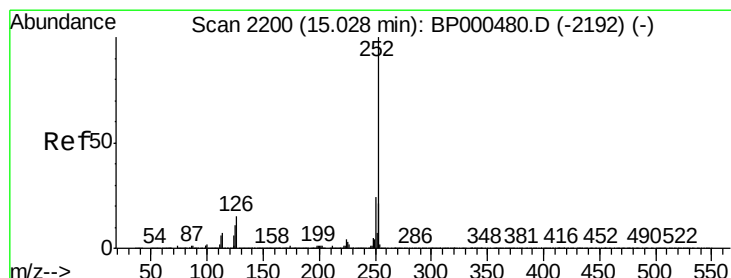
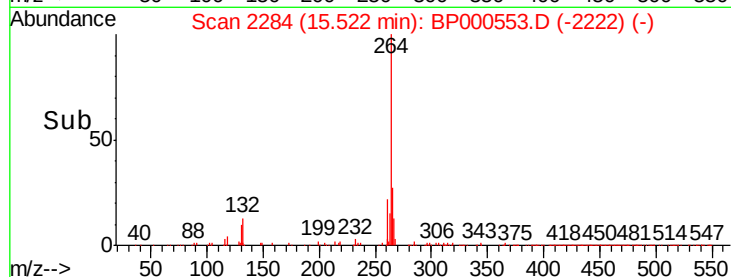
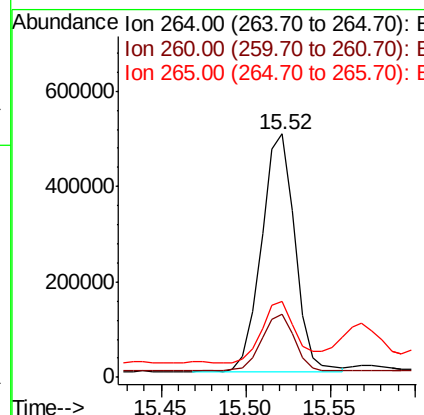
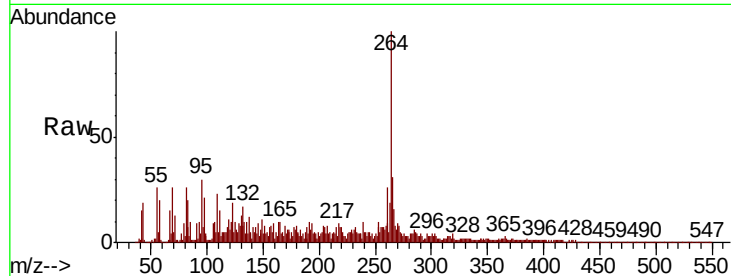
ClientSampleId :

S-3(5-10)

Tot Ion:	264	Resp:	681985
Ion Ratio		Lower	Upper
264	100		
260	25.7	20.3	30.5
265	31.4	18.0	27.0#

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 17.206 ng m

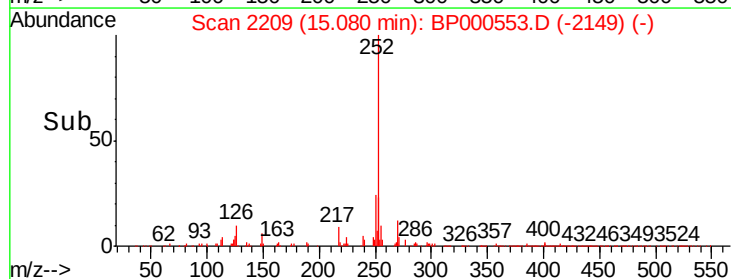
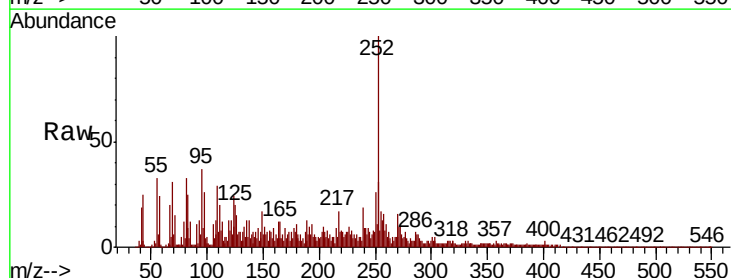
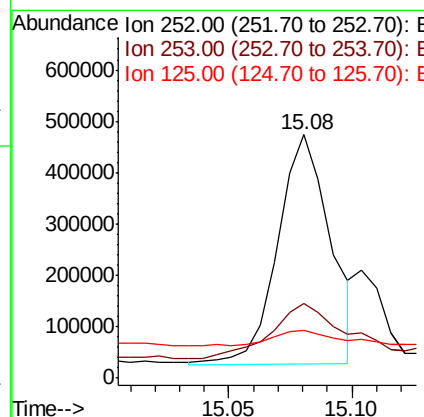
RT: 15.08 min Scan# 2209

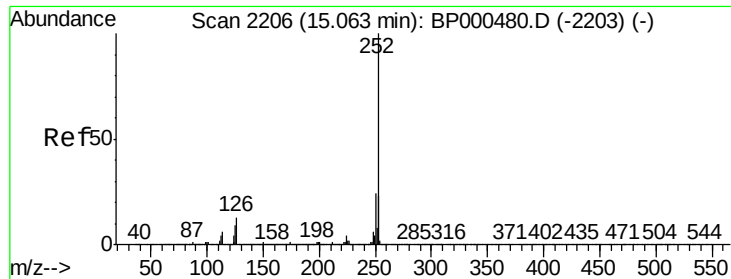
Delta R.T. 0.05 min

Lab File: BP000553.D

Acq: 07 Oct 2019 19:20

Tgt Ion:	252	Resp:	665699
Ion Ratio		Lower	Upper
252	100		
253	30.7	17.0	25.4#
125	19.6	8.9	13.3#





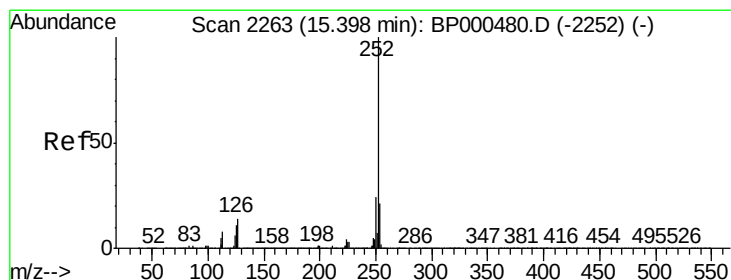
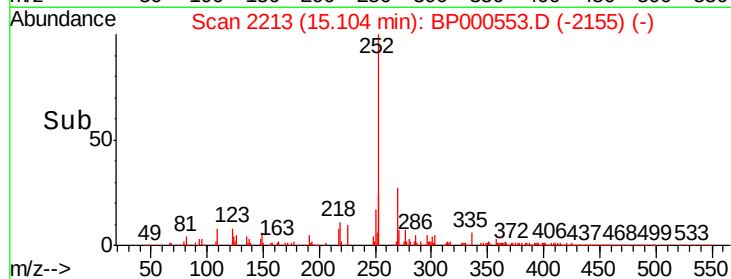
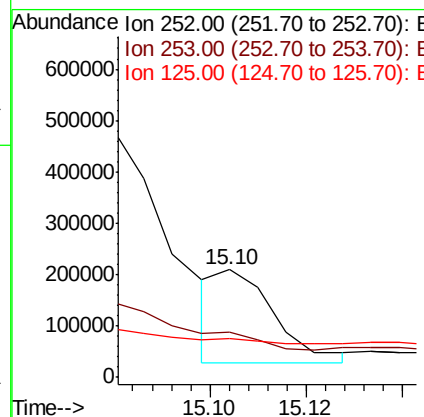
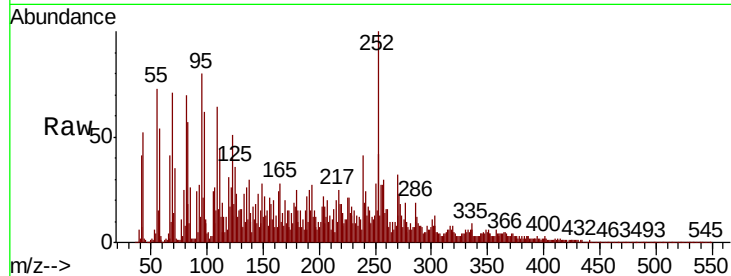
#89
Benzo(k)fluoranthene
Concen: 4.086 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.04 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Instrument :
BNA_P
ClientSampled :
S-3(5-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	41.6	18.4	27.6#
125	36.3	7.8	11.8#

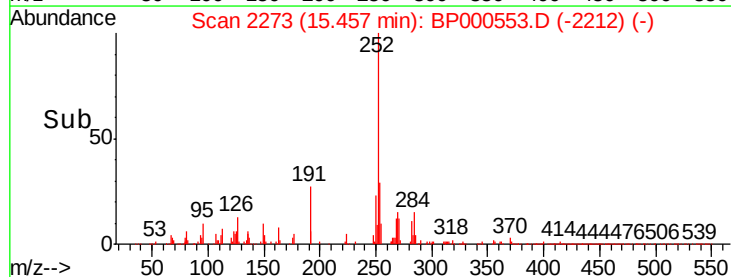
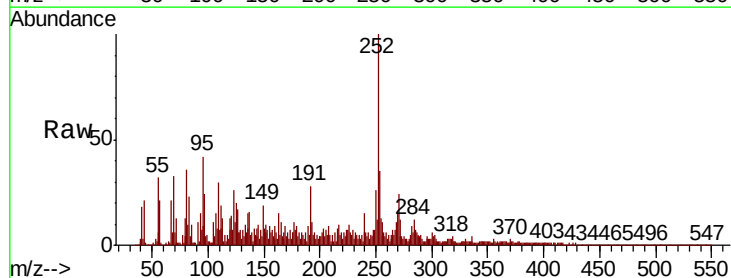
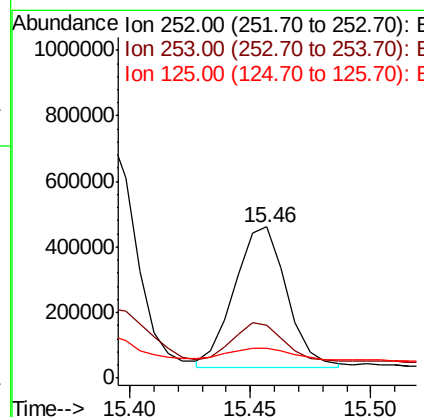
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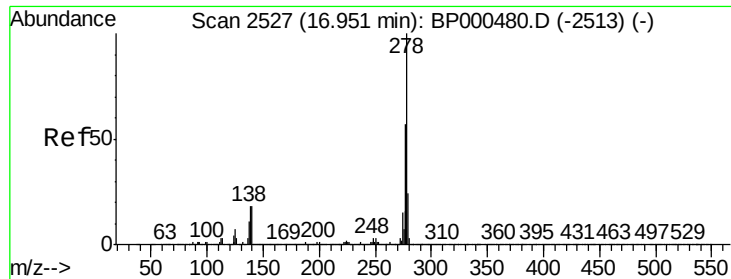
mohammad
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#90
Benzo(a)pyrene
Concen: 17.811 ng m
RT: 15.46 min Scan# 2273
Delta R.T. 0.06 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.3	17.0	25.6#
125	19.8	8.4	12.6#





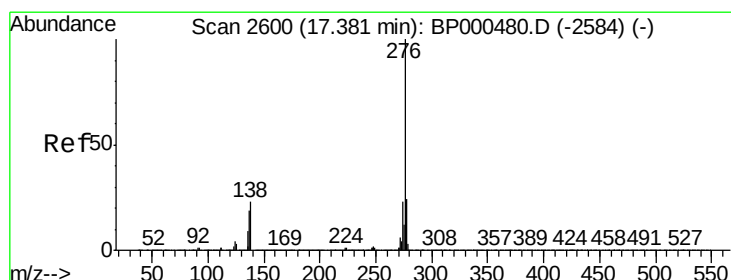
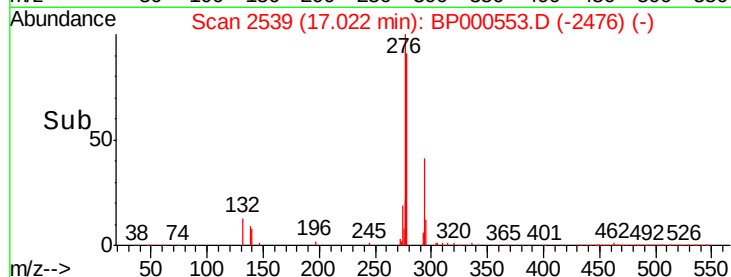
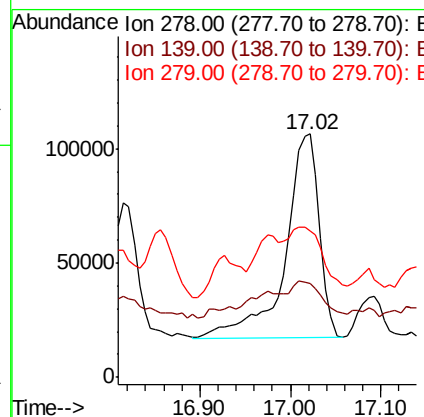
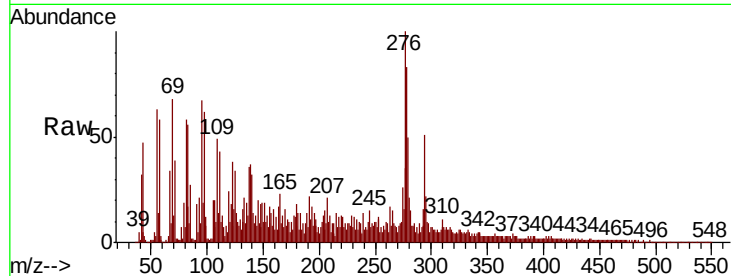
#91
Dibenzo(a,h)anthracene
Concen: 6.649 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.07 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Instrument :
BNA_P
ClientSampled :
S-3(5-10)

Tot Ion	Ratio	Lower	Upper
278	100		
139	38.7	14.1	21.1#
279	60.3	19.5	29.3#

Manual Integrations
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10/8/2019 12:24:02 PM



#92
Benzo(g,h,i)perylene
Concen: 15.308 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.08 min
Lab File: BP000553.D
Acq: 07 Oct 2019 19:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	19.4	29.2
138	28.0	18.5	27.7#

