

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
 Data File : BP000278.D
 Acq On : 17 Sep 2019 17:25
 Operator : HP/JU
 Sample : K4918-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-13

Manual Integrations
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Quant Time: Oct 05 02:13:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	267774	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	911752	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	453854	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	474259	20.00	ng	0.02
76) Chrysene-d12	14.05	240	407619	20.00	ng	0.05
87) Perylene-d12	15.52	264	551511	20.00	ng	0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1245391	80.29	ng	0.01
7) Phenol-d6	6.43	99	1808462	95.12	ng	0.01
23) Nitrobenzene-d5	7.35	82	657264	46.51	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	394177	87.56	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1968796	78.07	ng	0.00
79) Terphenyl-d14	12.97	244	1076222	55.39	ng	0.04

Target Compounds				Qvalue		
10) Phenol	6.44	94	51733	2.395	ng	# 52
20) 3+4-Methylphenols	7.20	107	48928	2.828	ng	# 72
31) Naphthalene	8.09	128	101981	2.415	ng	99
49) Acenaphthylene	9.69	152	749963	18.943	ng	99
50) Dimethylphthalate	9.55	163	287632	9.302	ng	97
52) Acenaphthene	9.87	154	79164	3.169	ng	98
58) Fluorene	10.39	166	115420	4.231	ng	# 89
71) Phenanthrene	11.38	178	1282117	53.947	ng	95
72) Anthracene	11.43	178	620029m	25.345	ng	
73) Carbazole	11.58	167	153572	6.971	ng	# 74
75) Fluoranthene	12.60	202	2693776	105.556	ng	92
78) Pylene	12.84	202	2542334	83.364	ng	97
81) Benzo(a)anthracene	14.03	228	2075421	80.604	ng	92
83) Chrysene	14.07	228	1847658m	73.085	ng	
86) Indeno(1,2,3-cd)pyrene	17.01	276	1354183m	43.945	ng	
88) Benzo(b)fluoranthene	15.10	252	3319070m	100.880	ng	
89) Benzo(k)fluoranthene	15.12	252	686181m	23.909	ng	
90) Benzo(a)pyrene	15.47	252	2103191m	70.253	ng	
91) Dibenzo(a,h)anthracene	17.02	278	379259	13.588	ng	# 93
92) Benzo(a,h,i)perylene	17.46	276	984969	34.332	ng	96

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

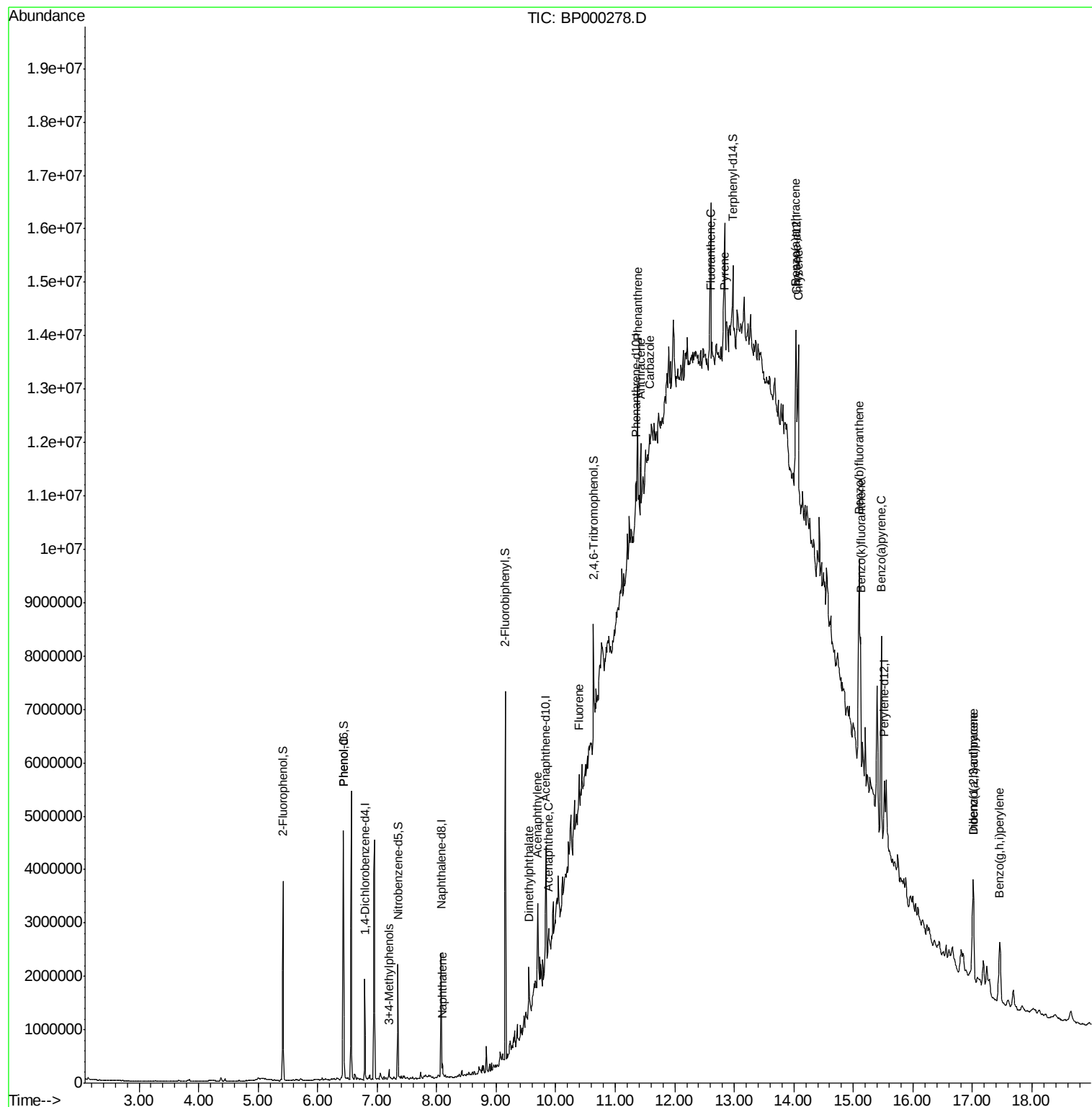
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000278.D
Acq On : 17 Sep 2019 17:25
Operator : HP/JU
Sample : K4918-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

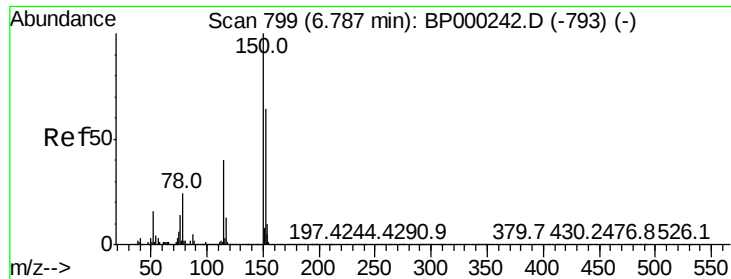
Instrument :
BNA_P
ClientSampled :
SB-13

Quant Time: Oct 05 02:13:48 2019
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#1

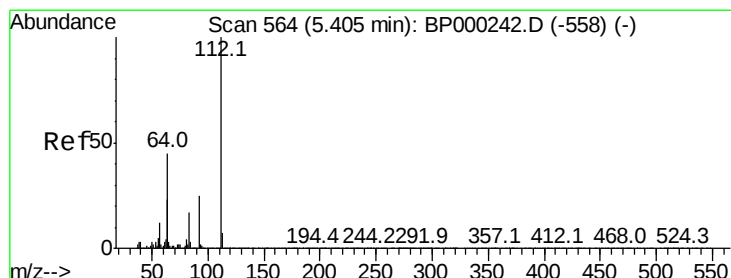
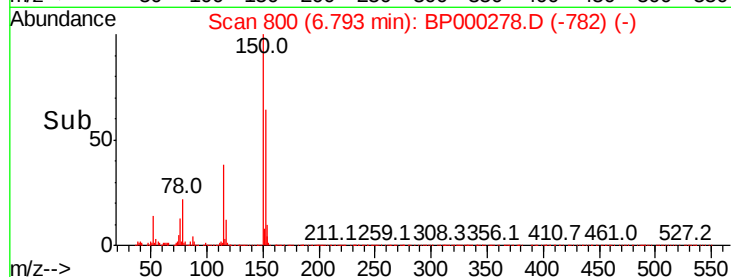
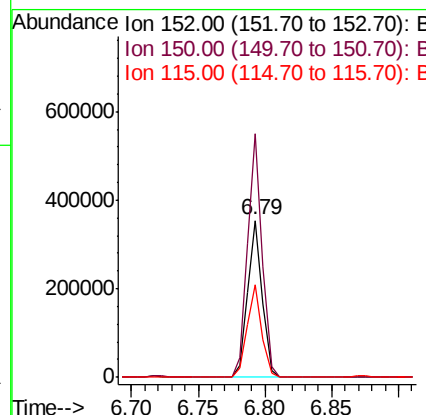
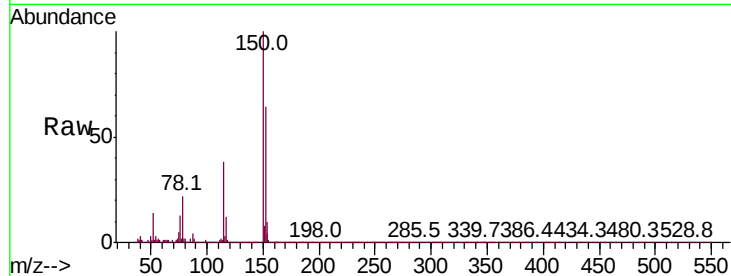
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Instrument :
BNA_P
ClientSampled :
SB-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.2	187.8
115	59.1	49.7	74.5

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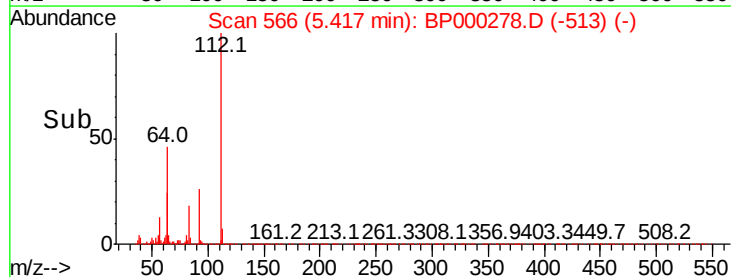
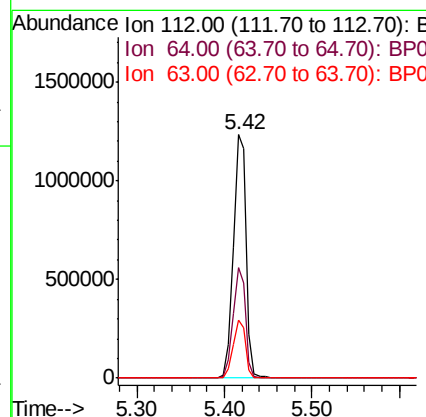
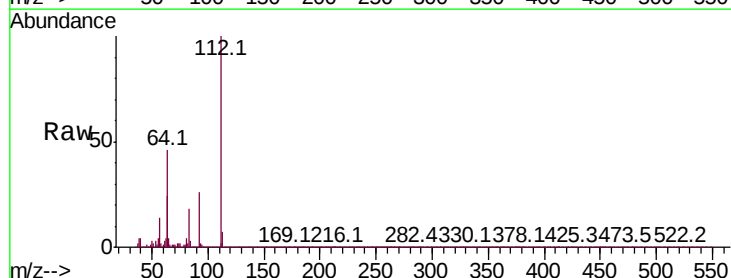
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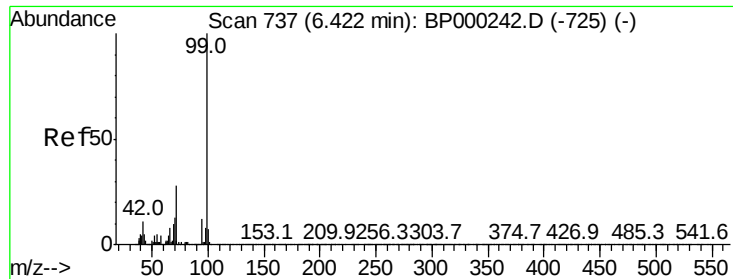


#5

2-Fluorophenol
Concen: 80.291 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.6	36.2	54.4
63	23.9	18.3	27.5





#7

Phenol-d6

Concen: 95.116 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BP000278.D

Acq: 17 Sep 2019 17:25

Instrument :

BNA_P

ClientSampleId :

SB-13

Tot Ion: 99 Resp: 1808462

Ion Ratio Lower Upper

99 100

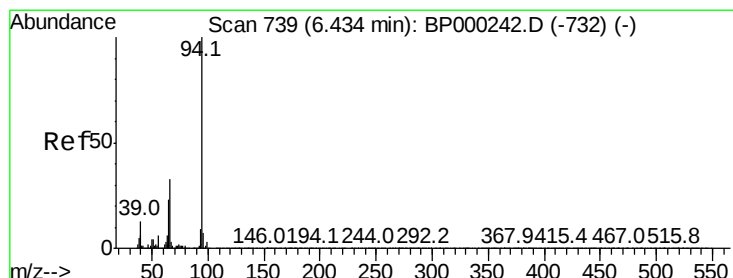
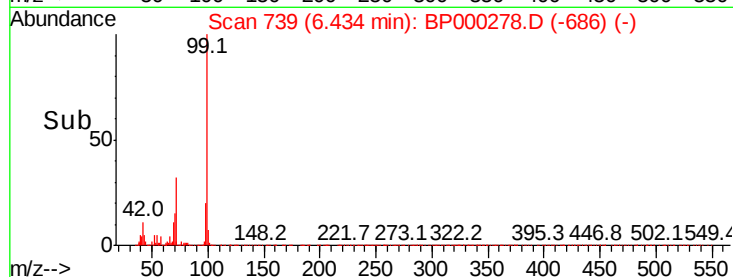
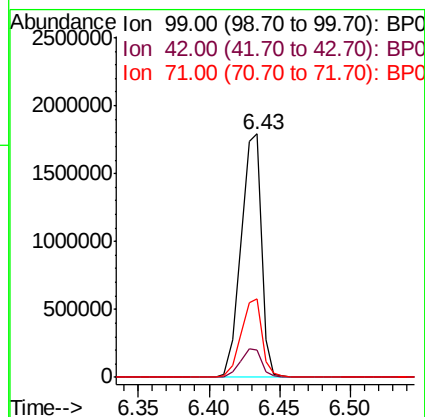
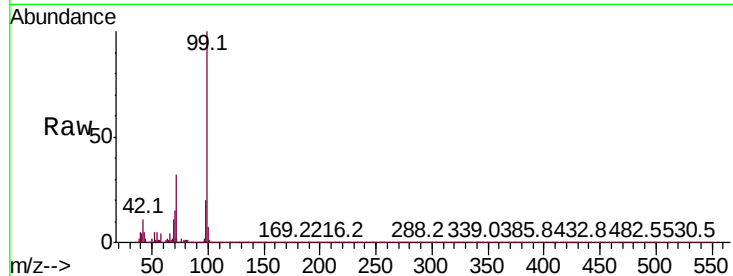
42 11.4 8.5 12.7

71 32.0 22.6 34.0

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#10

Phenol

Concen: 2.395 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BP000278.D

Acq: 17 Sep 2019 17:25

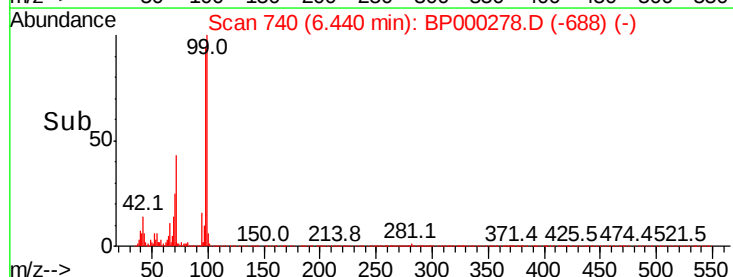
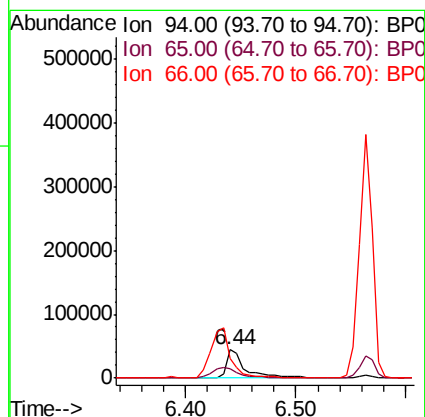
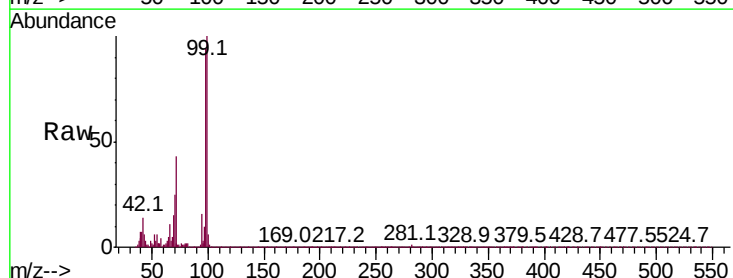
Tgt Ion: 94 Resp: 51733

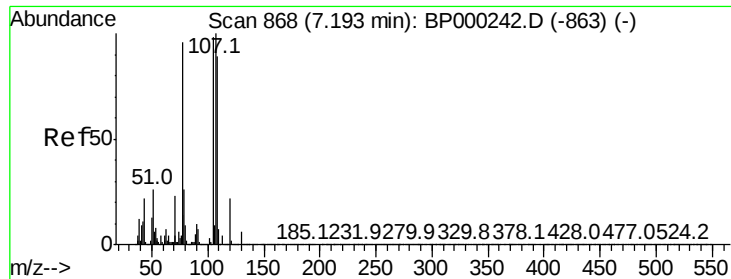
Ion Ratio Lower Upper

94 100

65 33.2 3.3 43.3

66 70.7 12.7 52.7#





#20

3+4-Methylphenols

Concen: 2.828 ng

RT: 7.20 min Scan# 869

Delta R.T. 0.01 min

Lab File: BP000278.D

Acq: 17 Sep 2019 17:25

Instrument :

BNA_P

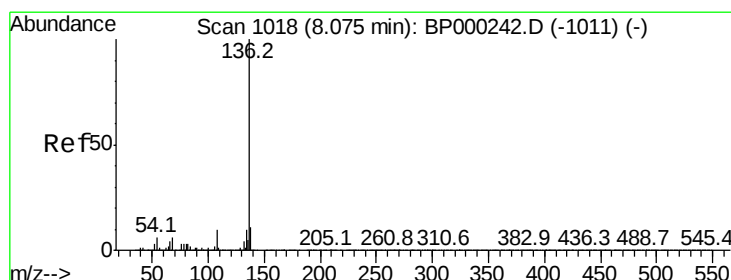
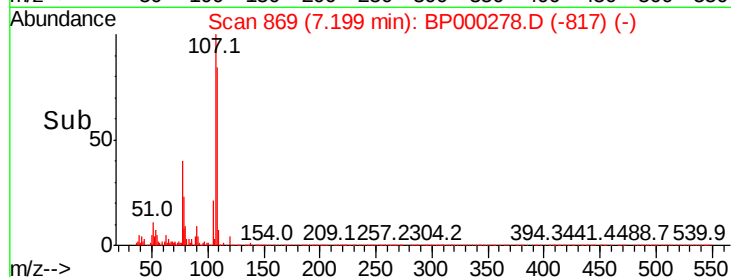
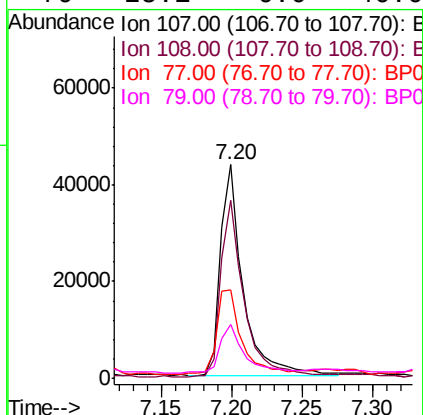
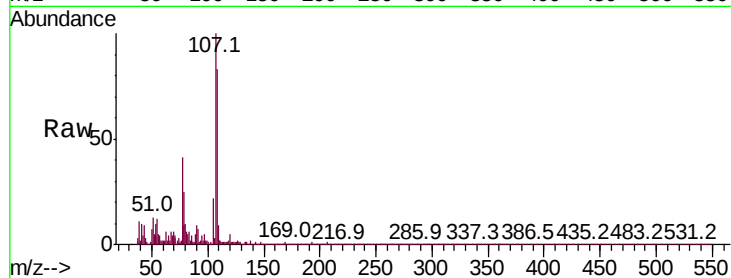
ClientSampleId :

SB-13

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
108	83.3	68.8	108.8		
77	41.3	75.7	115.7#		
79	25.1	6.0	46.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

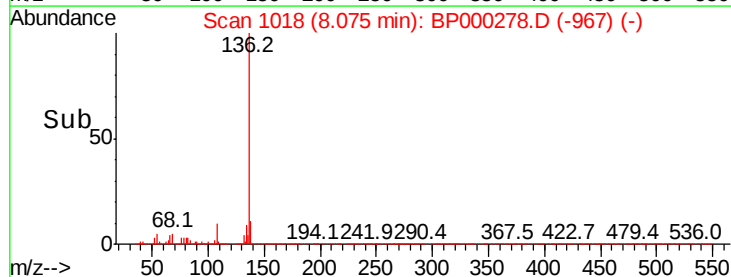
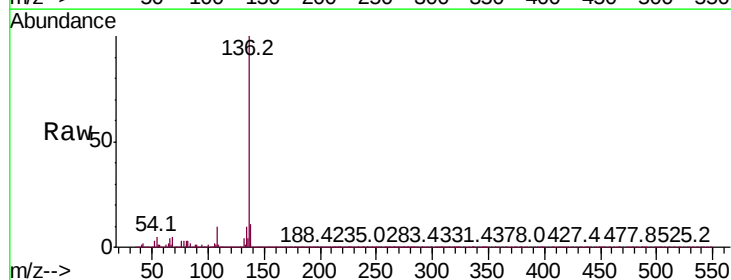
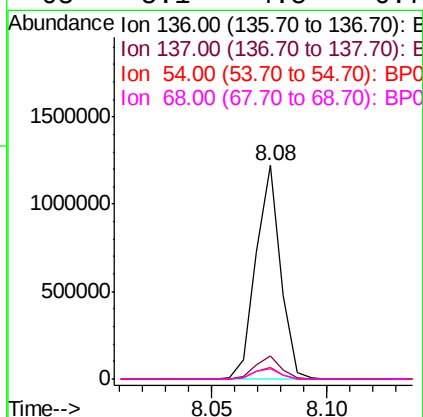
RT: 8.08 min Scan# 1018

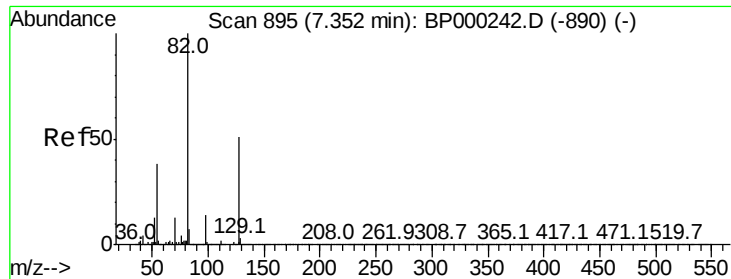
Delta R.T. 0.00 min

Lab File: BP000278.D

Acq: 17 Sep 2019 17:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	11.1	8.6	13.0		
54	5.3	4.5	6.7		
68	5.1	4.5	6.7		





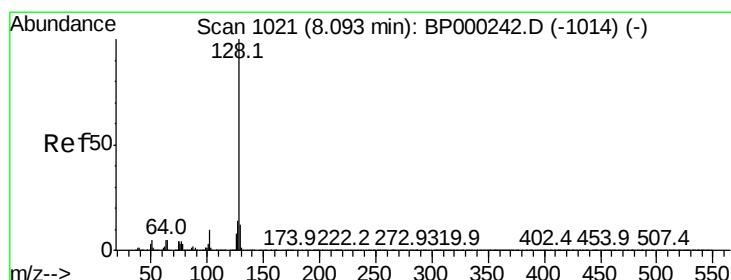
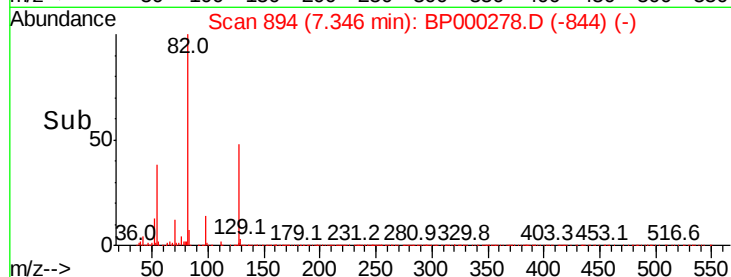
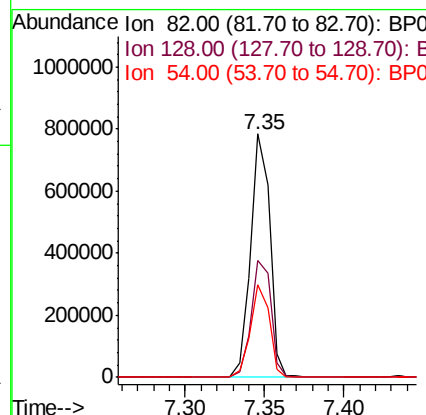
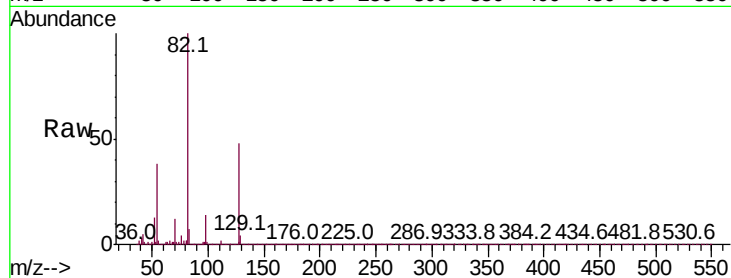
#23
Nitrobenzene-d5
Concen: 46.511 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Instrument :
BNA_P
ClientSampleId :
SB-13

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	40.7	61.1
54	38.1	30.1	45.1

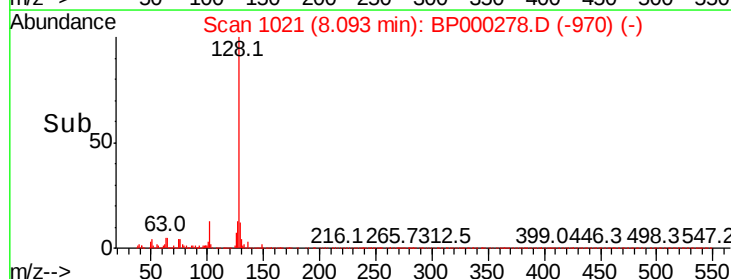
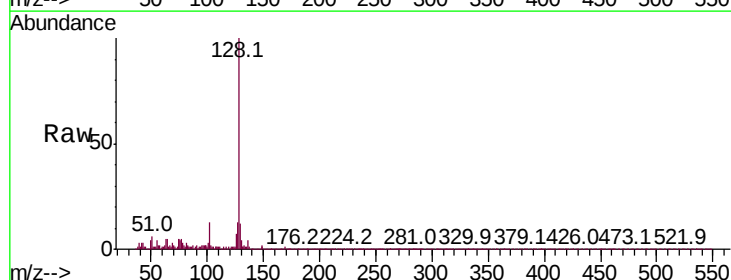
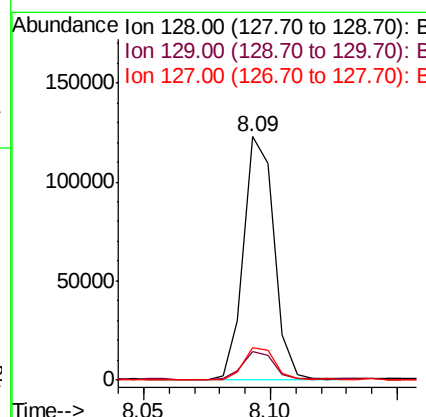
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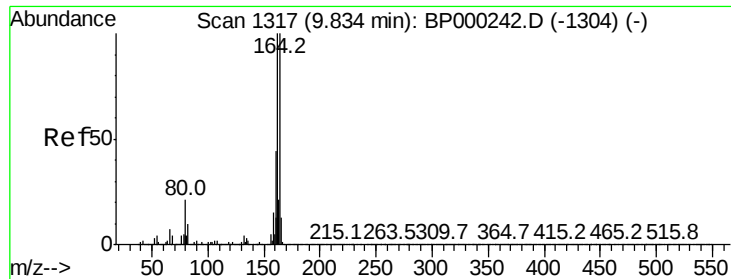
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#31
Naphthalene
Concen: 2.415 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.2	13.8
127	13.4	11.0	16.6





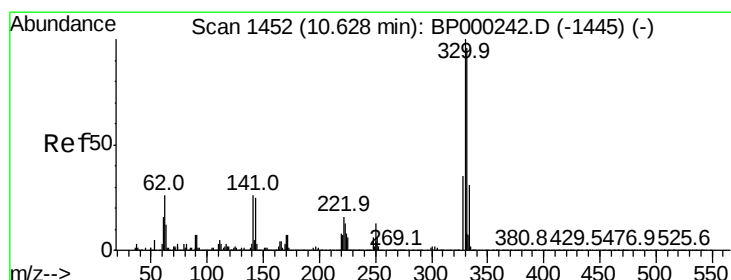
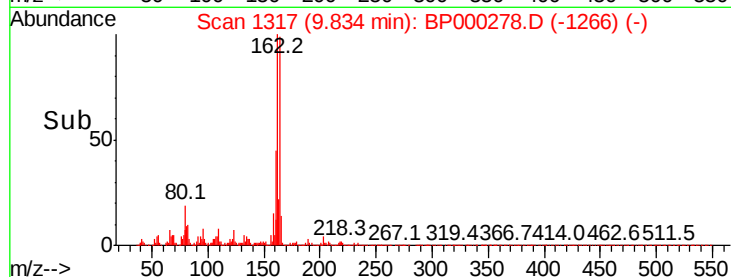
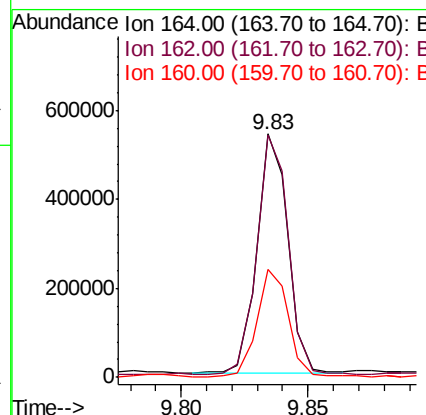
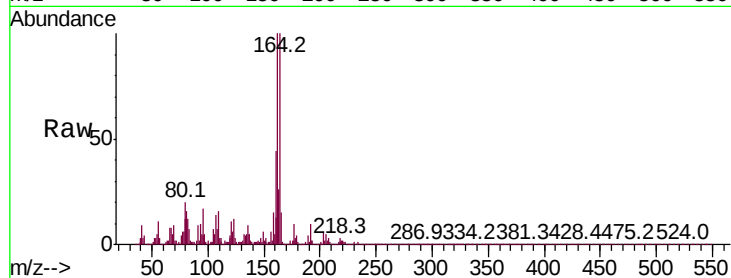
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Instrument :
BNA_P
ClientSampleId :
SB-13

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.7	79.9	119.9	
160	44.4	35.6	53.4	

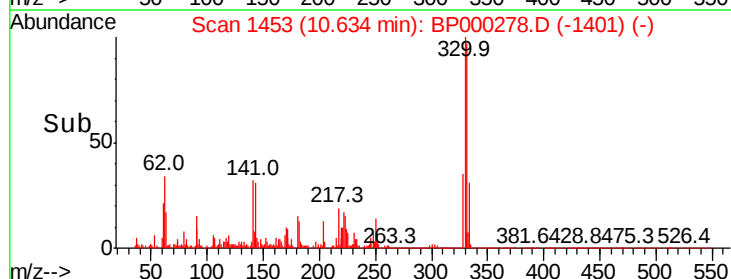
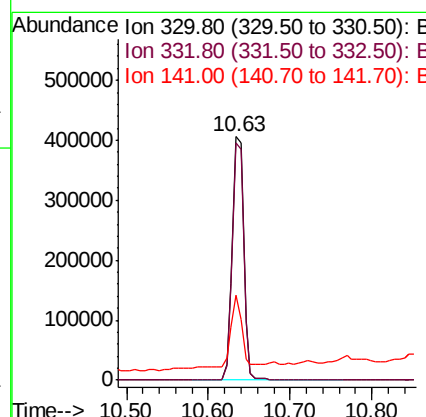
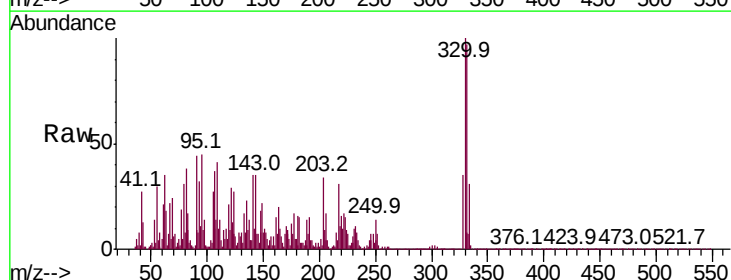
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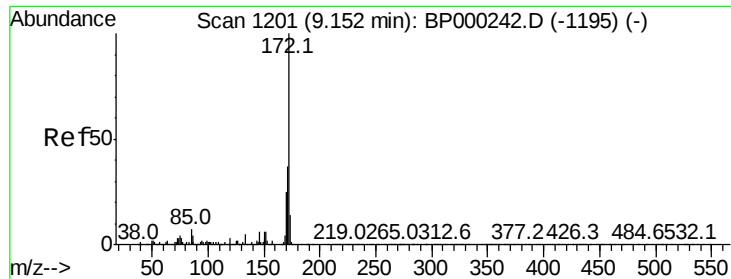
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#42
2,4,6-Tribromophenol
Concen: 87.563 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	76.6	115.0	
141	27.4	26.5	39.7	





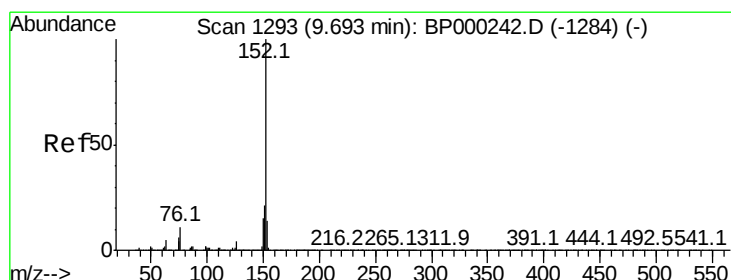
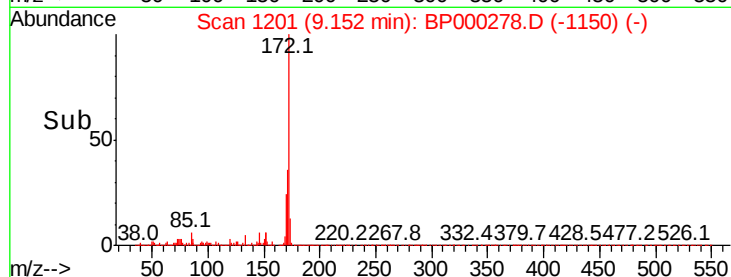
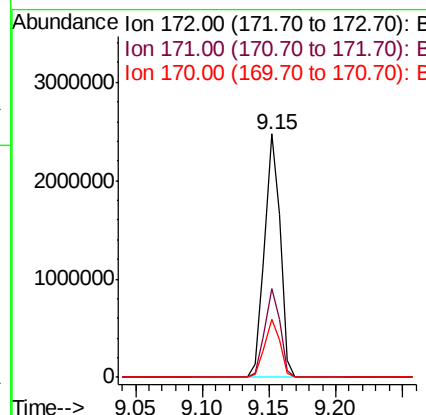
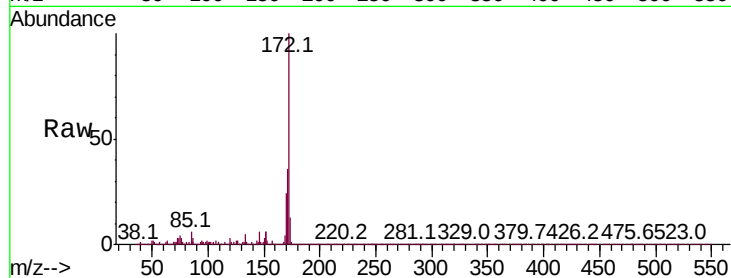
#45
2-Fluorobiphenyl
Concen: 78.075 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Instrument :
BNA_P
ClientSampleId :
SB-13

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.8	44.6
170	23.9	19.8	29.6

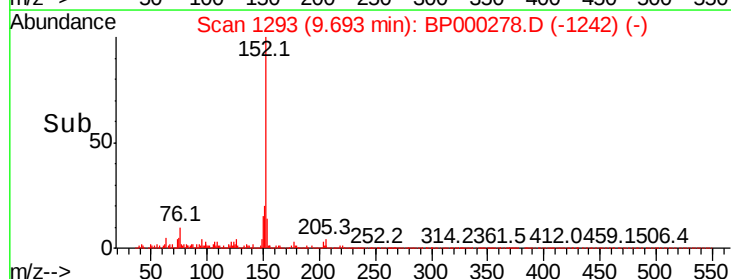
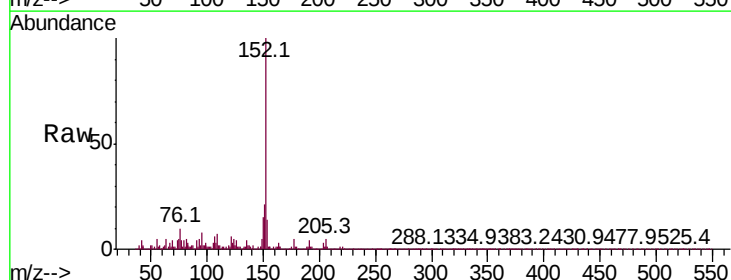
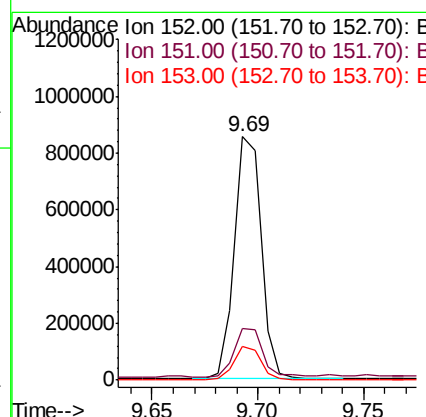
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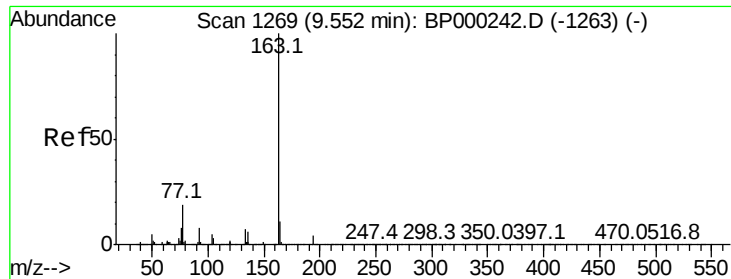
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#49
Acenaphthylene
Concen: 18.943 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.4	24.6
153	13.7	11.0	16.4





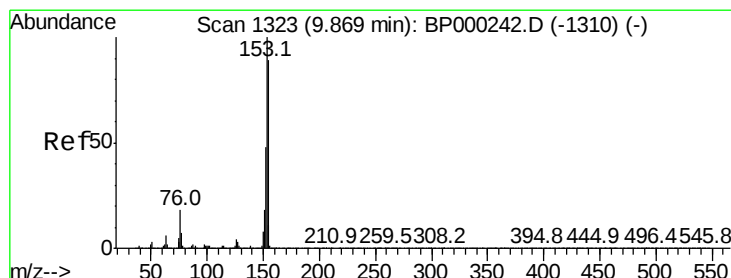
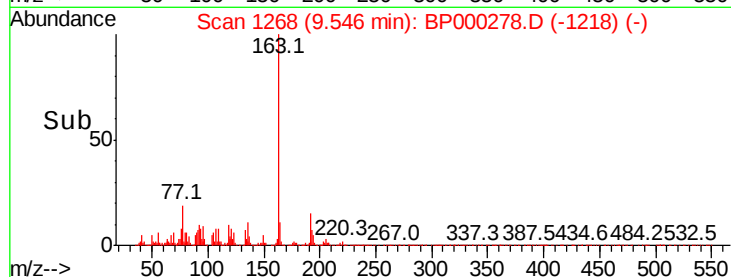
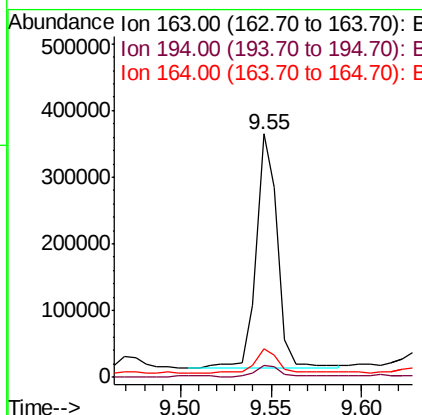
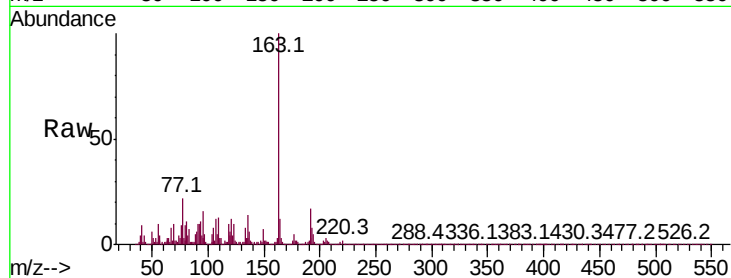
#50
Dimethylphthalate
Concen: 9.302 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Instrument :
BNA_P
ClientSampled :
SB-13

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	5.0	3.4	5.0
164	11.7	8.5	12.7

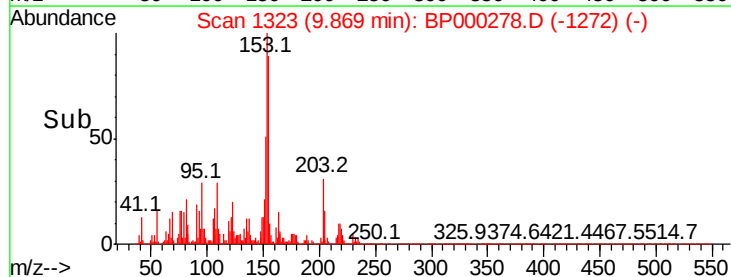
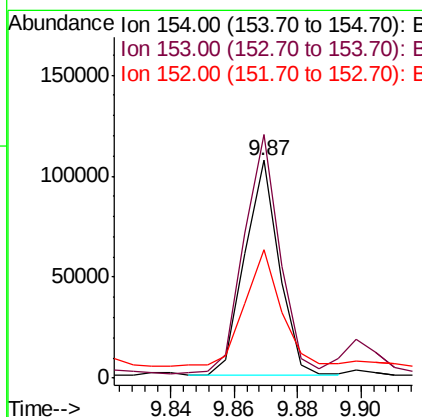
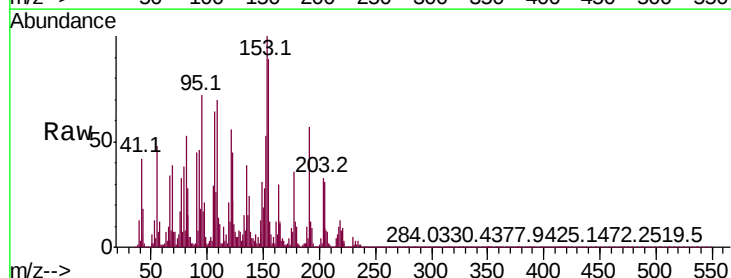
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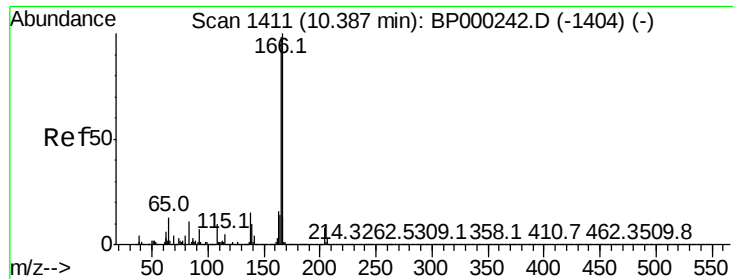
mohammad
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#52
Acenaphthene
Concen: 3.169 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	111.9	89.8	134.6
152	58.9	43.4	65.0





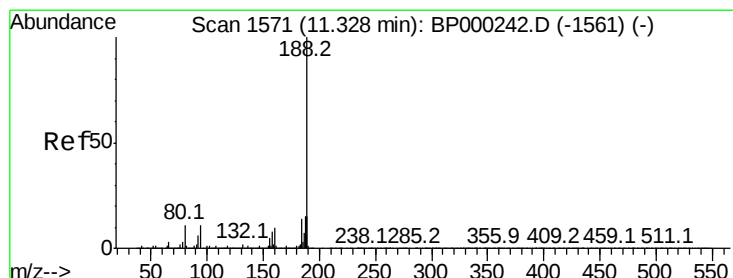
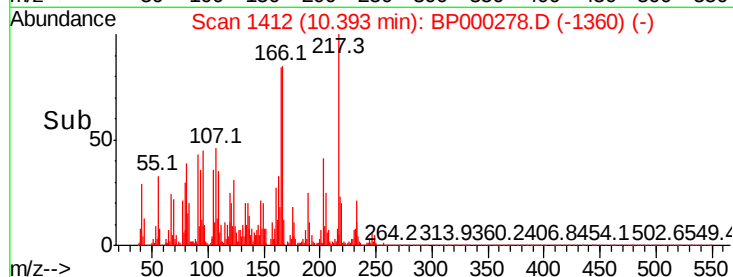
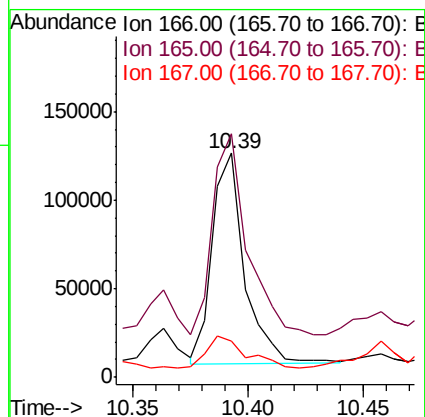
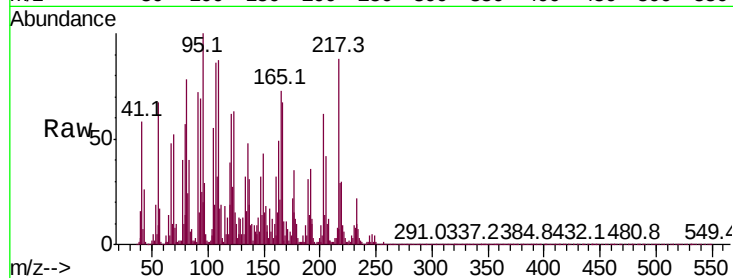
#58
Fluorene
Concen: 4.231 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Instrument :
BNA_P
ClientSampleId :
SB-13

Tot Ion	Ratio	Lower	Upper
166	100		
165	108.7	78.2	117.2
167	16.3	10.7	16.1#

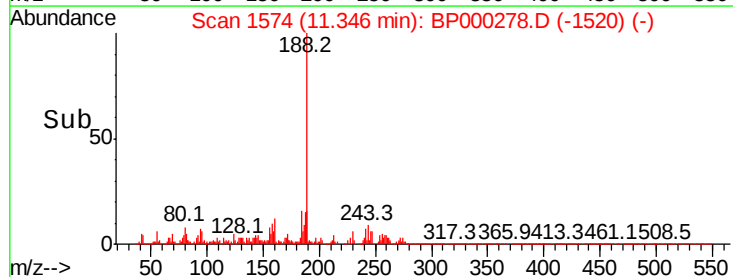
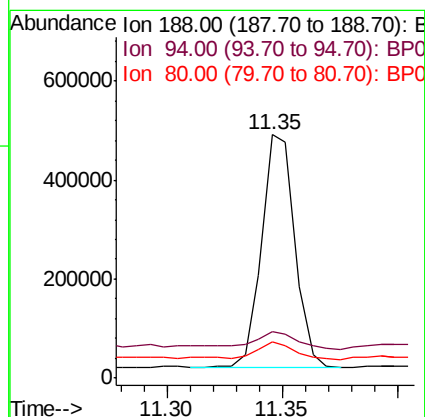
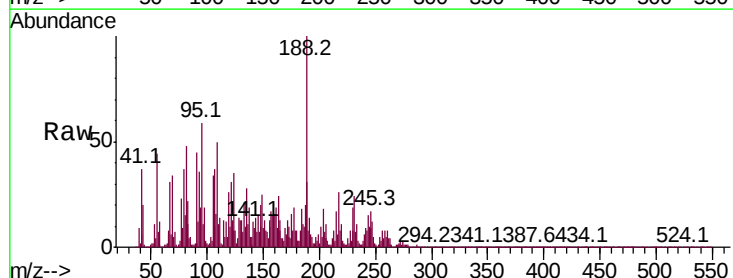
Manual Integrations
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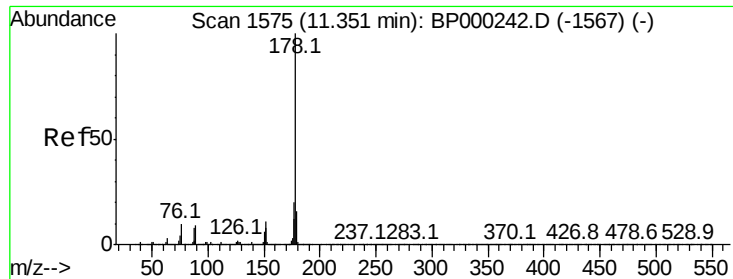
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.02 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	19.1	8.5	12.7#
80	14.7	8.6	13.0#





#71

Phenanthrene

Concen: 53.947 ng

RT: 11.38 min Scan# 1579

Delta R.T. 0.02 min

Lab File: BP000278.D

Acq: 17 Sep 2019 17:25

Instrument :

BNA_P

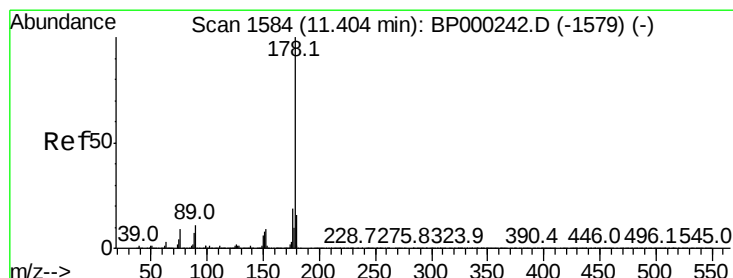
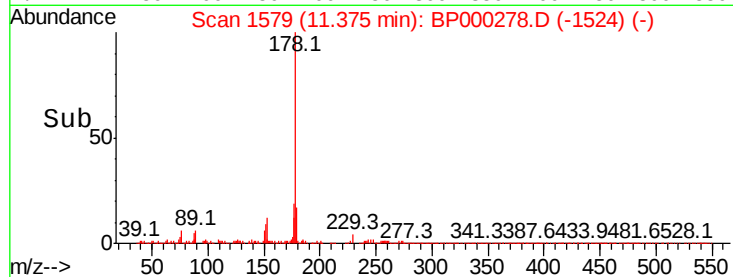
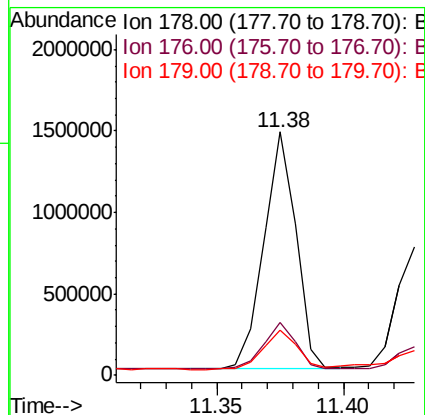
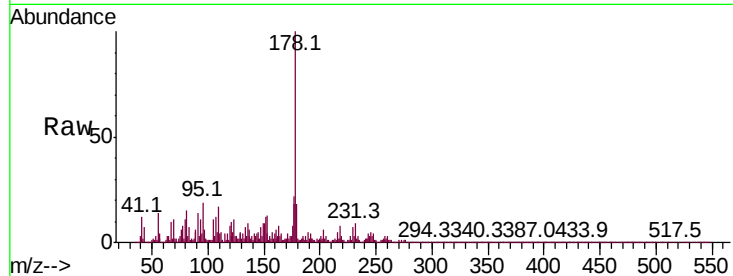
ClientSampled :

SB-13

Tot Ion:	178	Resp:	1282117
Ion	Ratio	Lower	Upper
178	100		
176	21.6	15.8	23.8
179	18.4	12.7	19.1

Manual Integrations
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#72

Anthracene

Concen: 25.345 ng m

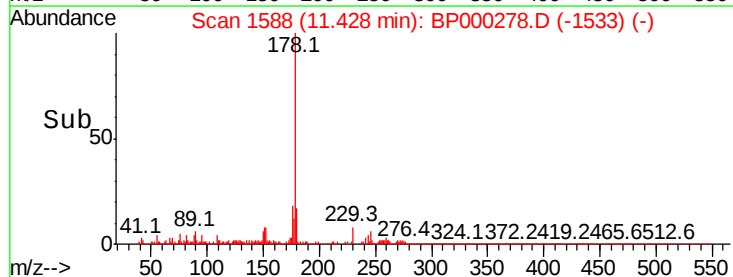
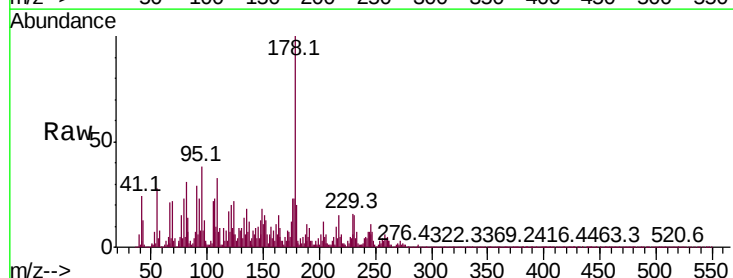
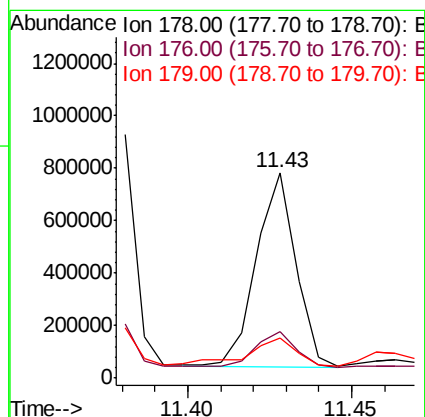
RT: 11.43 min Scan# 1588

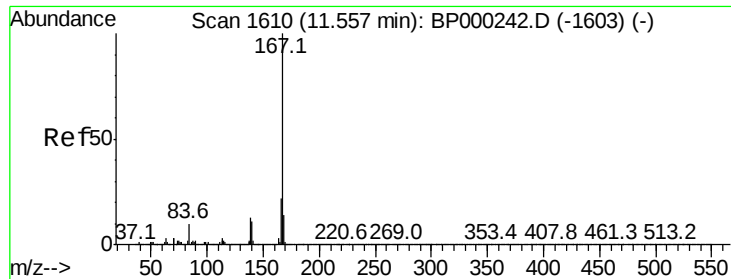
Delta R.T. 0.02 min

Lab File: BP000278.D

Acq: 17 Sep 2019 17:25

Tgt Ion:	178	Resp:	620029
Ion	Ratio	Lower	Upper
178	100		
176	22.7	15.4	23.0
179	19.7	12.7	19.1#





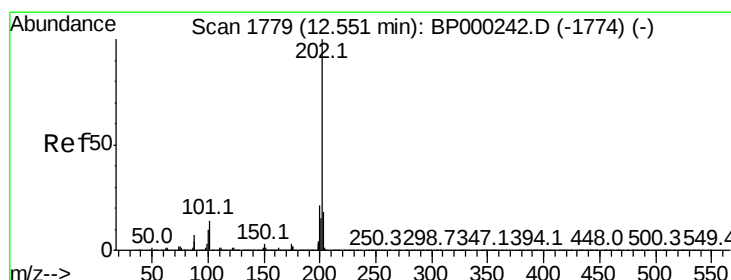
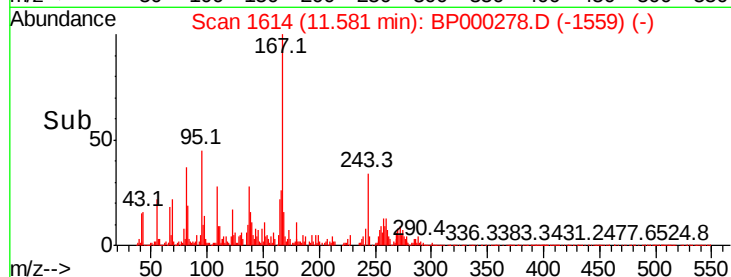
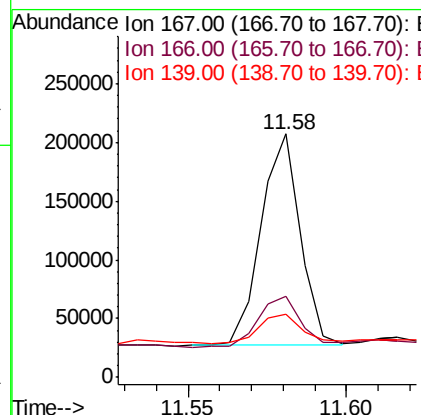
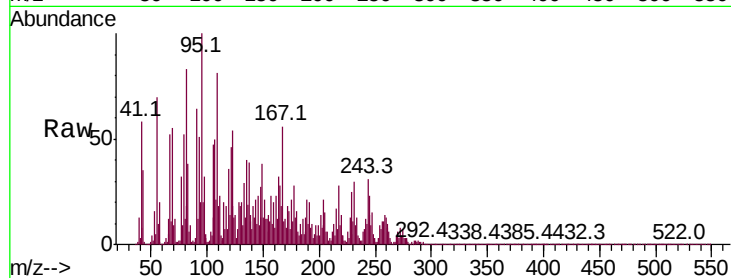
#73
 Carbazole
 Concen: 6.971 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. 0.02 min
 Lab File: BP000278.D
 Acq: 17 Sep 2019 17:25

Instrument :
 BNA_P
 ClientSampled :
 SB-13

Tot Ion	Ratio	Lower	Upper
167	100		
166	33.2	17.8	26.8#
139	25.7	10.8	16.2#

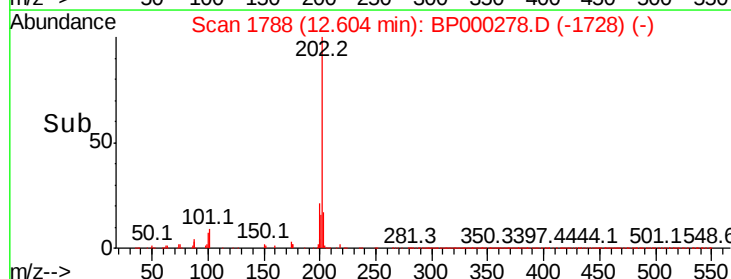
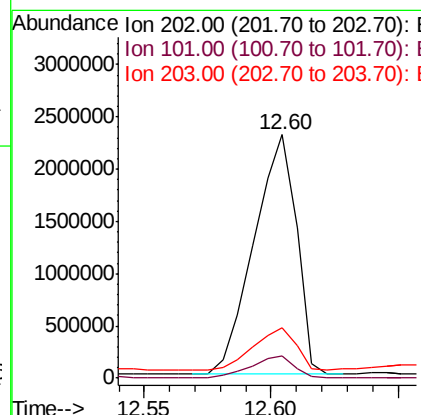
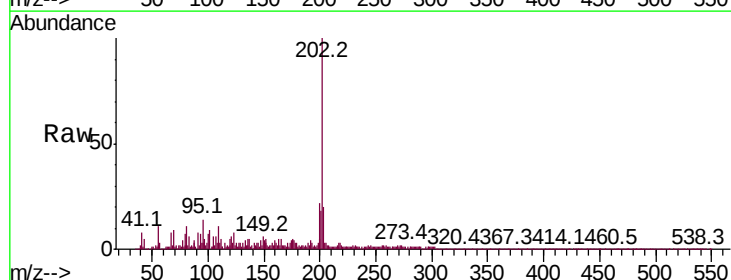
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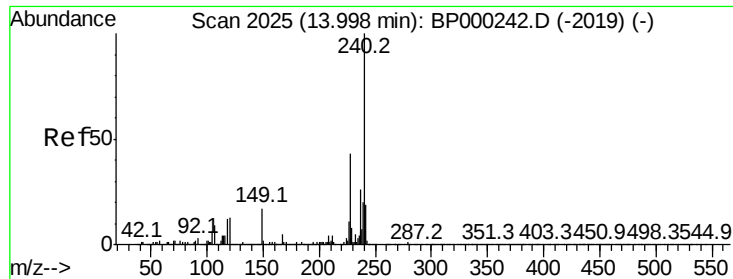
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#75
 Fluoranthene
 Concen: 105.556 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.05 min
 Lab File: BP000278.D
 Acq: 17 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	33.9
203	20.5	0.0	38.0





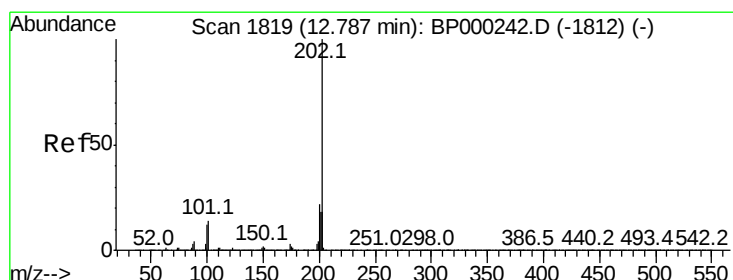
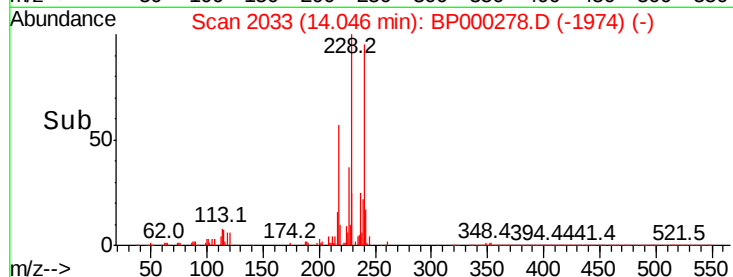
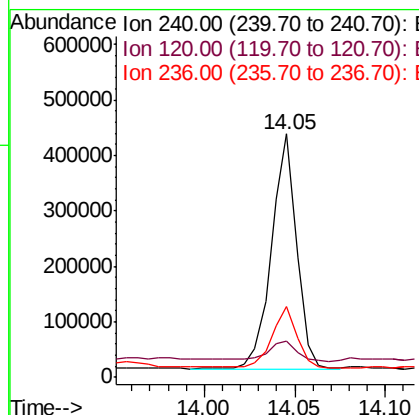
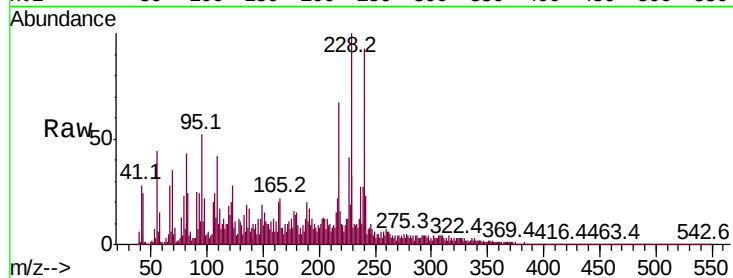
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2033
Delta R.T. 0.05 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Instrument :
BNA_P
ClientSampleId :
SB-13

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.9	10.4	15.6
236	29.0	21.0	31.6

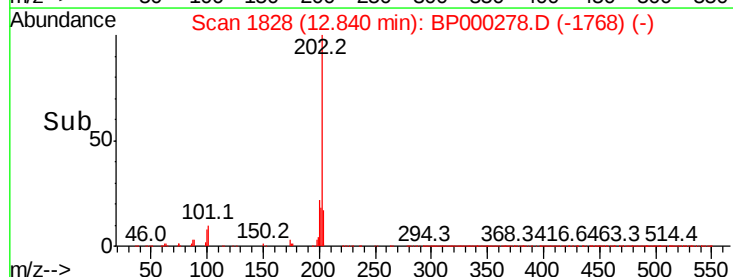
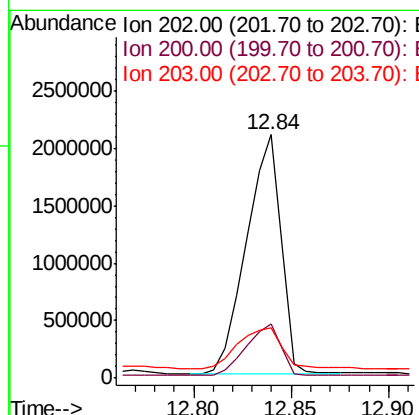
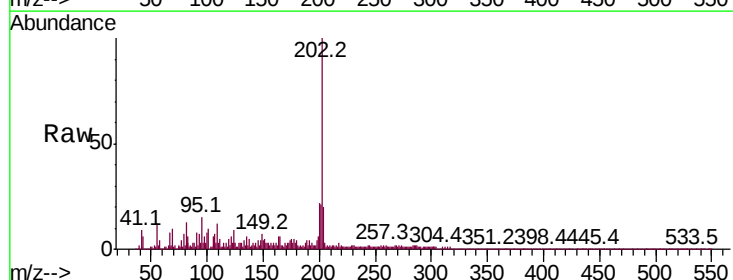
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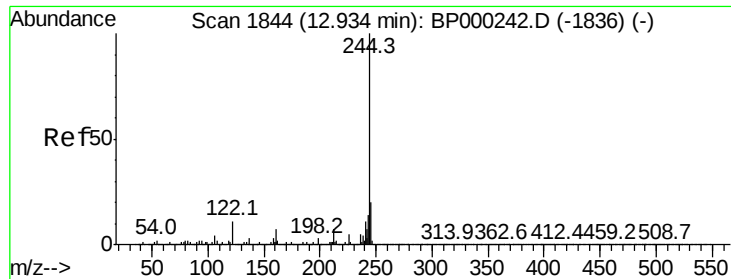
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#78
Pyrene
Concen: 83.364 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.05 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.5	26.3
203	20.5	14.3	21.5





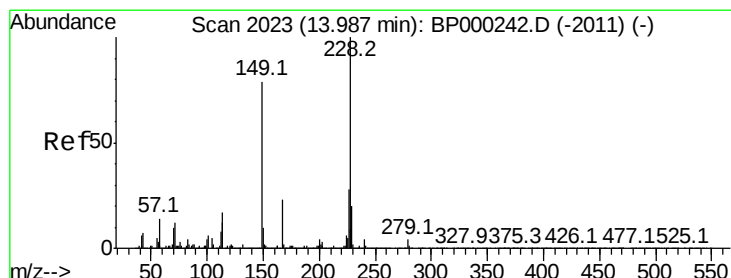
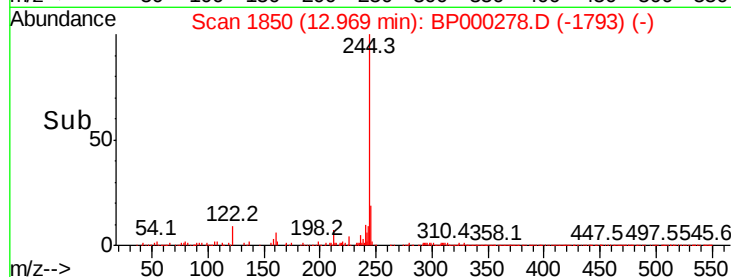
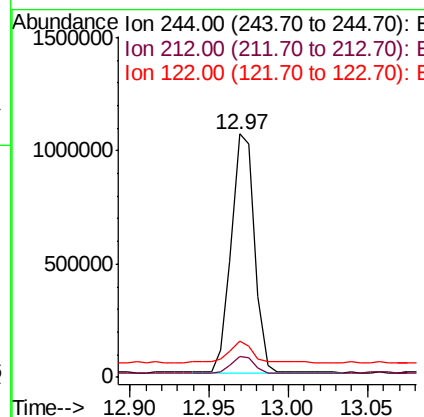
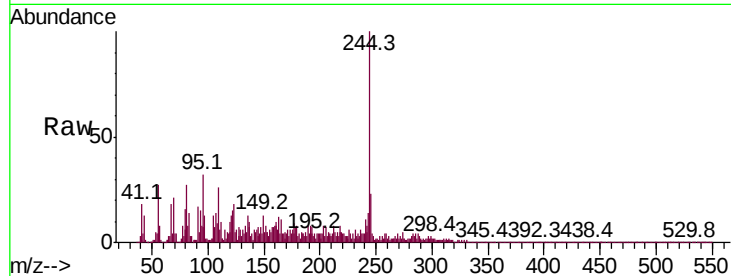
#79
 Terphenyl-d14
 Concen: 55.389 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.04 min
 Lab File: BP000278.D
 Acq: 17 Sep 2019 17:25

Instrument :
 BNA_P
 ClientSampled :
 SB-13

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.9	8.9
122	14.6	9.0	13.4

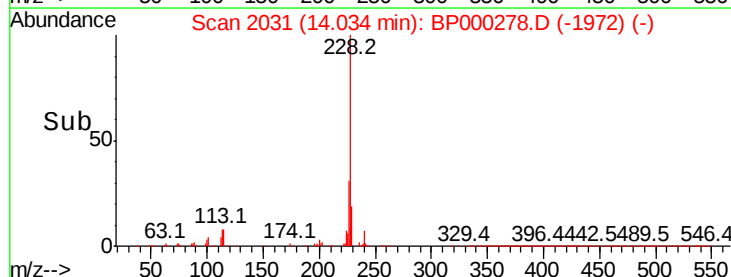
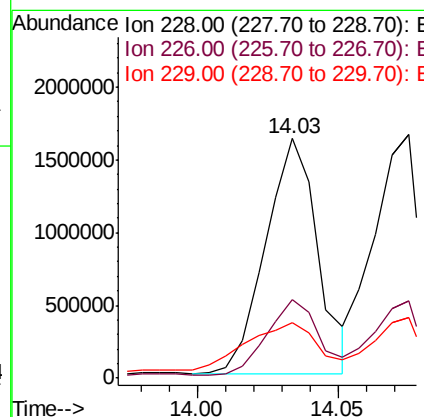
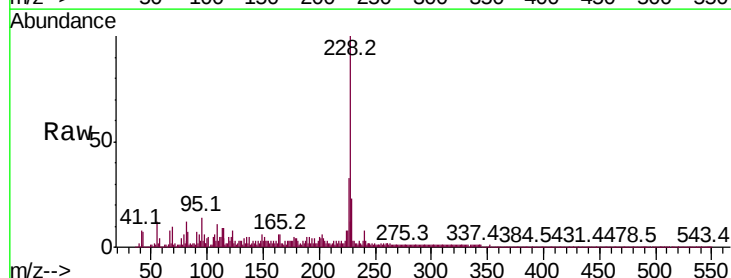
Manual Integrations
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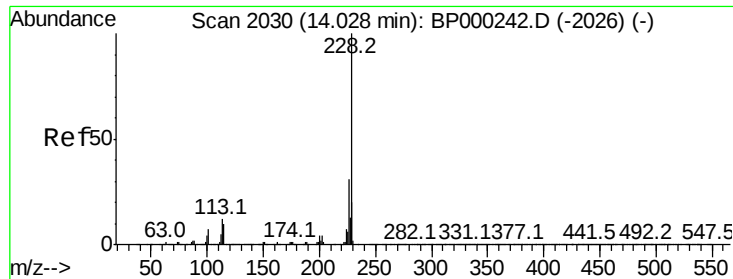
mohammad
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#81
 Benzo(a)anthracene
 Concen: 80.604 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.05 min
 Lab File: BP000278.D
 Acq: 17 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.2	33.4
229	23.0	16.0	24.0





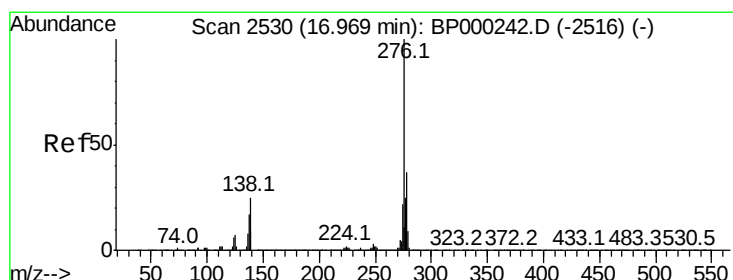
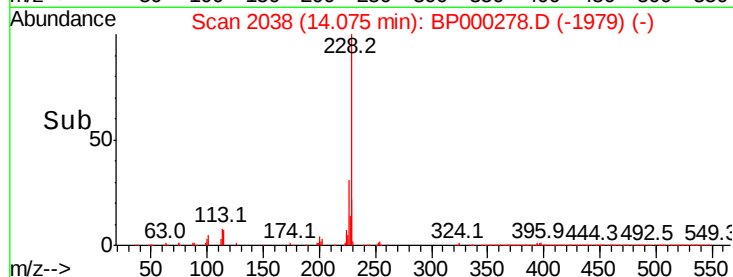
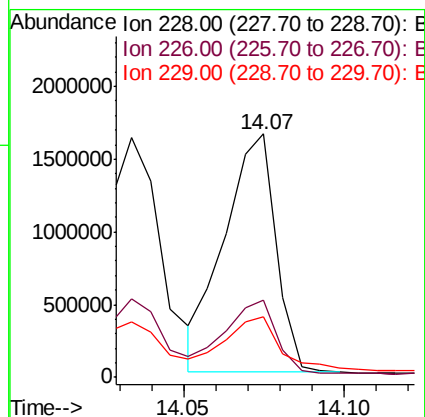
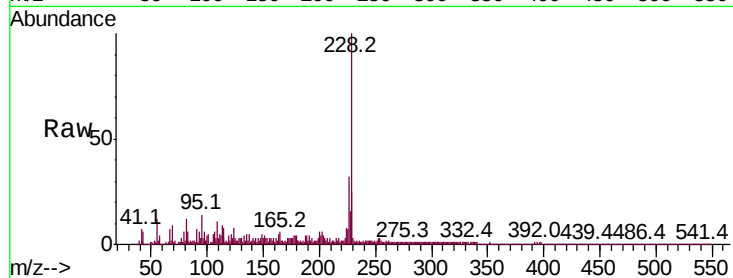
#83
Chrysene
Concen: 73.085 ng m
RT: 14.07 min Scan# 2038
Delta R.T. 0.05 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Instrument :
BNA_P
ClientSampleId :
SB-13

Tot Ion:228 Resp: 1847658
Ion Ratio Lower Upper
228 100
226 31.6 24.9 37.3
229 24.7 16.2 24.2#

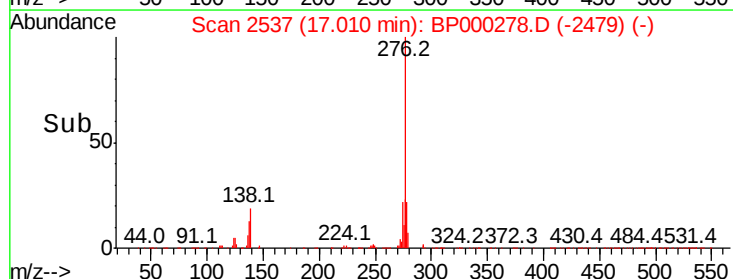
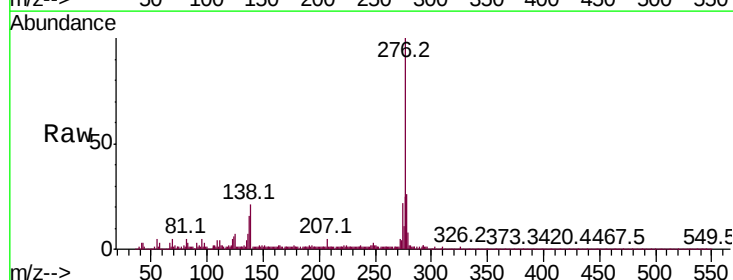
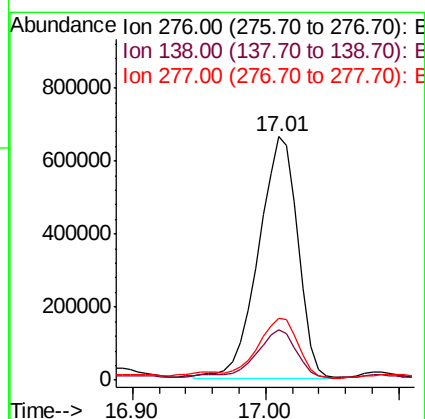
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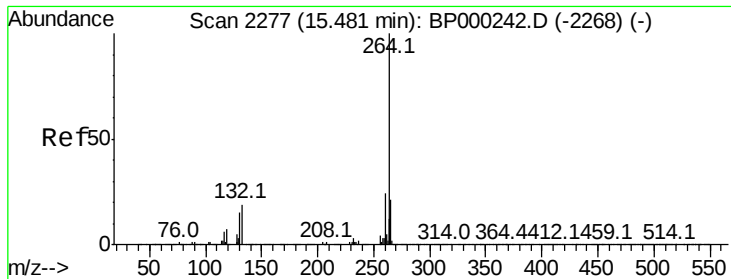
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 43.945 ng m
RT: 17.01 min Scan# 2537
Delta R.T. 0.04 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Tgt Ion:276 Resp: 1354183
Ion Ratio Lower Upper
276 100
138 1.1 22.6 33.8#
277 1.1 20.4 30.6#





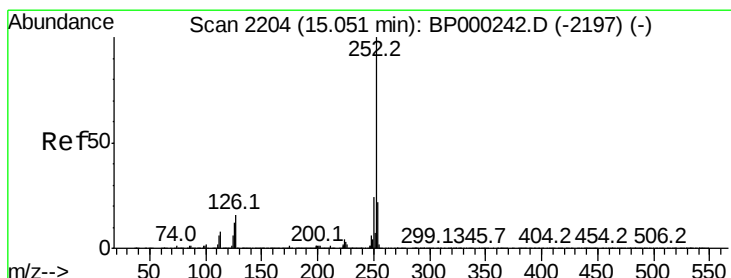
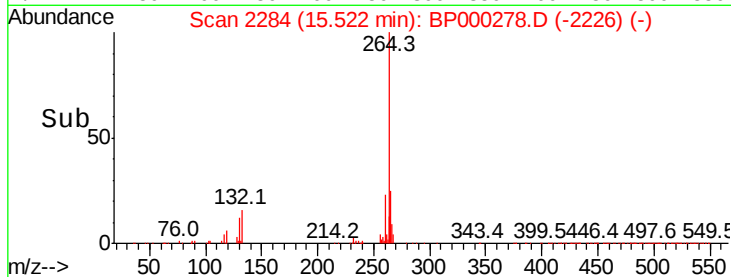
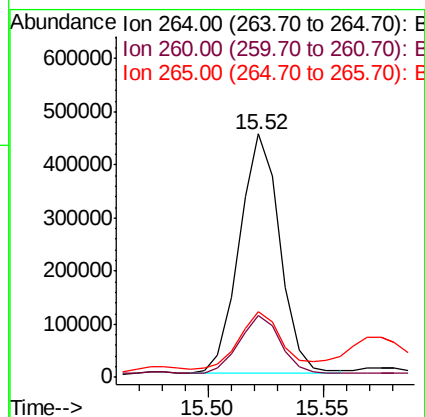
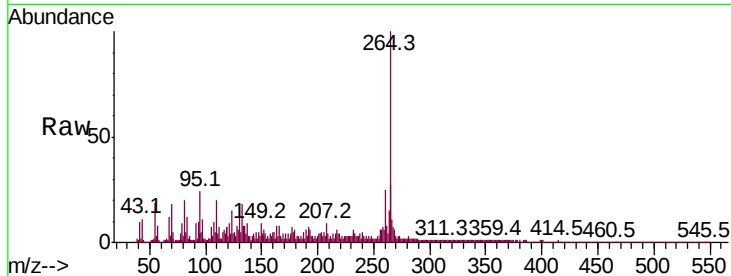
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.04 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Instrument :
BNA_P
ClientSampleId :
SB-13

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	18.9	28.3
265	27.0	17.2	25.8

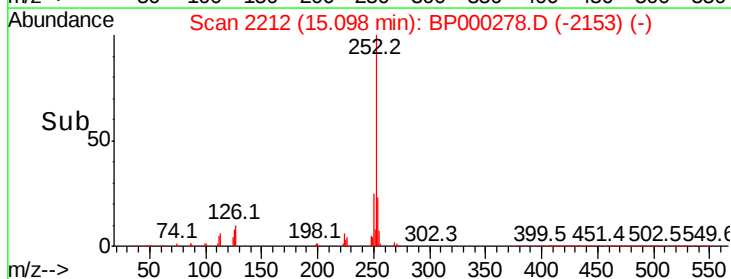
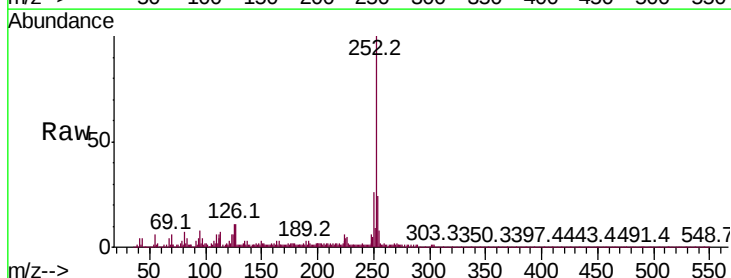
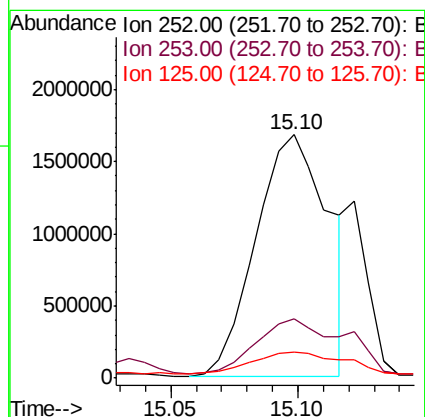
Manual Integrations
APPROVED

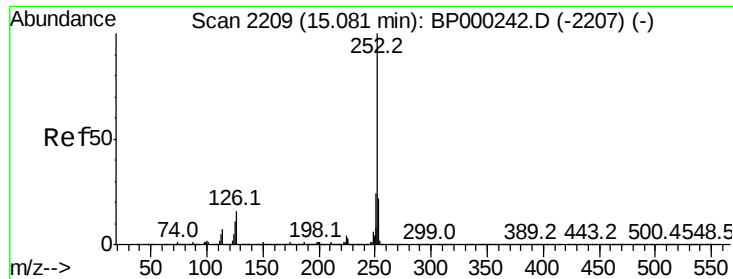
mohammad
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#88
Benzo(b)fluoranthene
Concen: 100.880 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.05 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	10.7	9.5	14.3





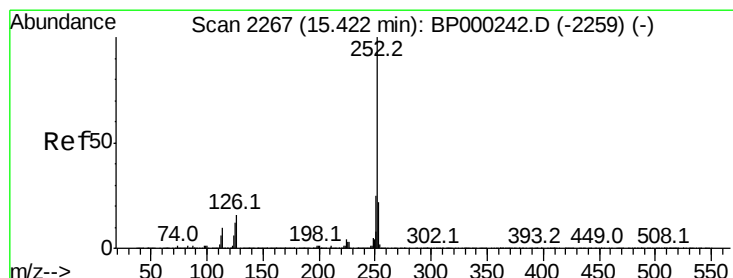
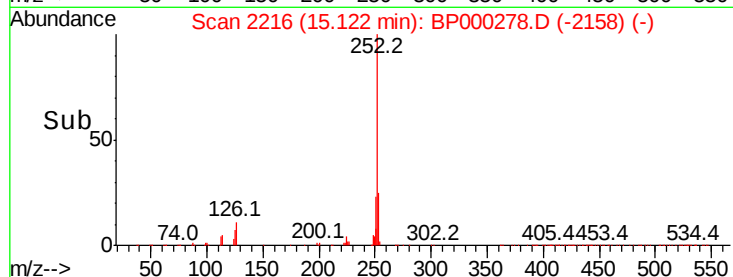
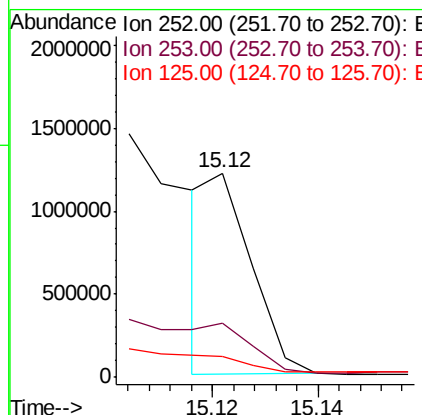
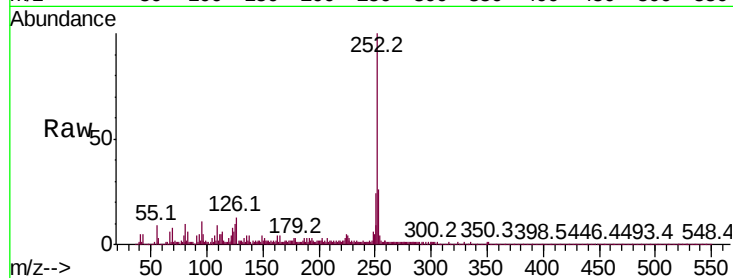
#89
Benzo(k)fluoranthene
Concen: 23.909 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.04 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Instrument :
BNA_P
ClientSampleId :
SB-13

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.8
125	10.5	9.6	14.4

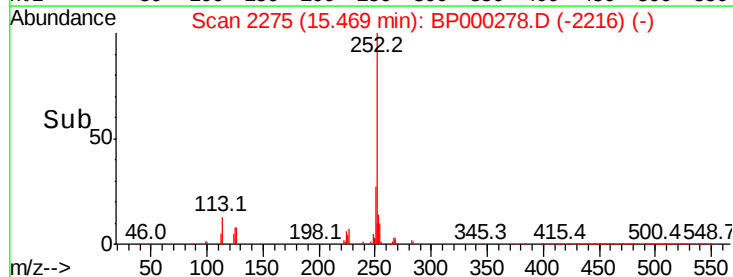
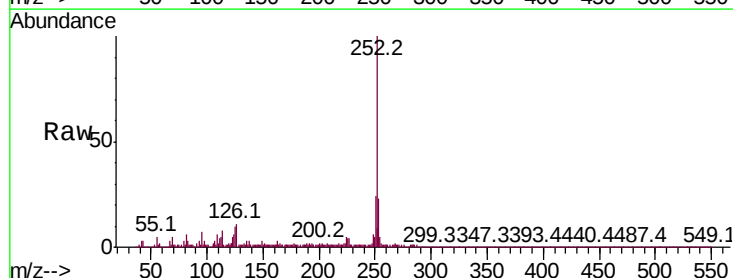
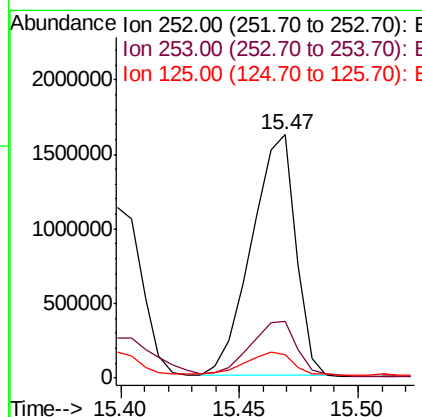
Manual Integrations
APPROVED

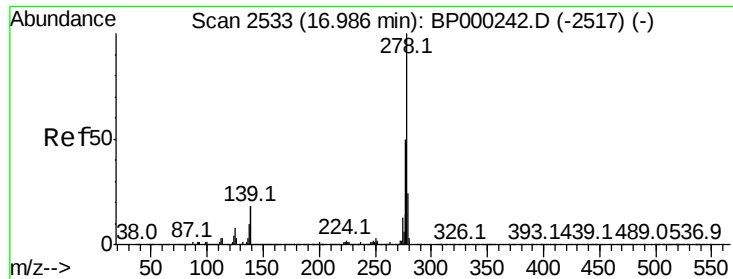
mohammad
9/19/2019 4:46:24 PM



#90
Benzo(a)pyrene
Concen: 70.253 ng m
RT: 15.47 min Scan# 2275
Delta R.T. 0.05 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	9.8	10.0	15.0





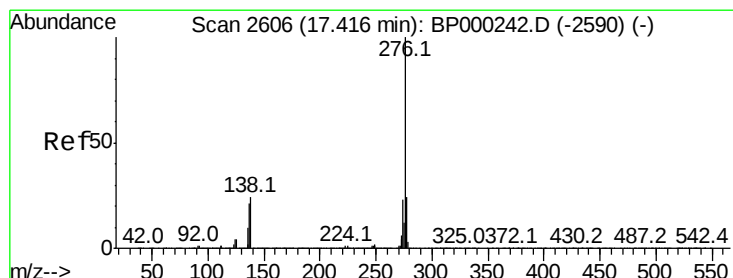
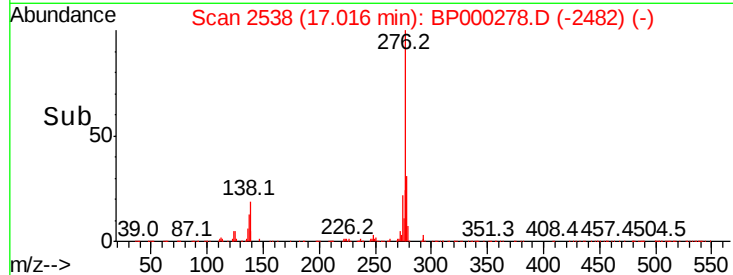
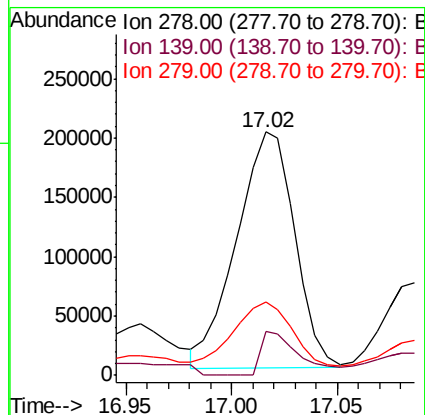
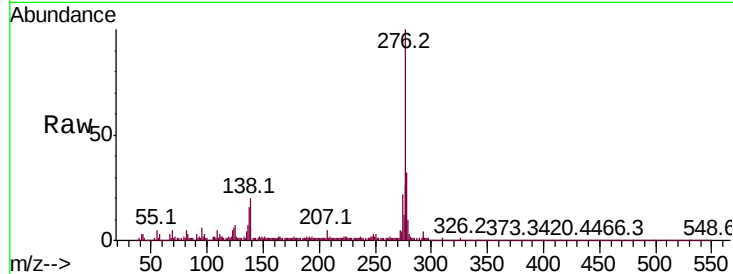
#91
Dibenzo(a,h)anthracene
Concen: 13.588 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.03 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Instrument :
BNA_P
ClientSampleId :
SB-13

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.3	14.5	21.7
279	29.9	19.0	28.6

Manual Integrations
APPROVED

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#92
Benzo(g,h,i)perylene
Concen: 34.332 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.04 min
Lab File: BP000278.D
Acq: 17 Sep 2019 17:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.1	28.7
138	20.7	19.5	29.3

