

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
 Data File : BP000274.D
 Acq On : 17 Sep 2019 15:48
 Operator : HP/JU
 Sample : K4918-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-10

Manual Integrations
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Quant Time: Oct 05 02:12:37 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	348989	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1224593	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	648666	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1107984	20.00	ng	0.00
76) Chrysene-d12	14.02	240	680621	20.00	ng	0.02
87) Perylene-d12	15.50	264	751039	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	2037935	100.81	ng	0.01
7) Phenol-d6	6.43	99	2557552	103.21	ng	0.00
23) Nitrobenzene-d5	7.35	82	1277924	67.33	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	730030	113.47	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2728012	75.69	ng	0.00
79) Terphenyl-d14	12.93	244	2680556	82.62	ng	0.00
Target Compounds						
31) Naphthalene	8.09	128	718857	12.675	ng	99
37) 2-Methylnaphthalene	8.79	142	294003	7.583	ng	98
38) 1-Methylnaphthalene	8.89	142	320722	8.831	ng	99
49) Acenaphthylene	9.69	152	484663	8.565	ng	99
50) Dimethylphthalate	9.55	163	506241	11.455	ng	99
52) Acenaphthene	9.86	154	673681	18.867	ng	99
55) Dibenzofuran	10.04	168	964184	19.101	ng	98
58) Fluorene	10.38	166	758218	19.447	ng	97
71) Phenanthrene	11.38	178	10706360m	192.824	ng	
72) Anthracene	11.42	178	2389000	41.801	ng	100
73) Carbazole	11.56	167	1990722	38.678	ng	100
75) Fluoranthene	12.58	202	12122592	203.328	ng	93
78) Pylene	12.82	202	10589684	207.960	ng	# 90
81) Benzo(a)anthracene	14.00	228	6944485	161.526	ng	93
83) Chrysene	14.05	228	5831737	138.150	ng	93
86) Indeno(1,2,3-cd)pyrene	17.00	276	3188942m	61.976	ng	
88) Benzo(b)fluoranthene	15.07	252	7717715m	172.254	ng	
89) Benzo(k)fluoranthene	15.10	252	2111296m	54.022	ng	
90) Benzo(a)pyrene	15.45	252	4811901m	118.031	ng	
91) Dibenzo(a,h)anthracene	17.01	278	833746	21.935	ng	95
92) Benzo(g,h,i)perylene	17.46	276	2885438	73.854	ng	97

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

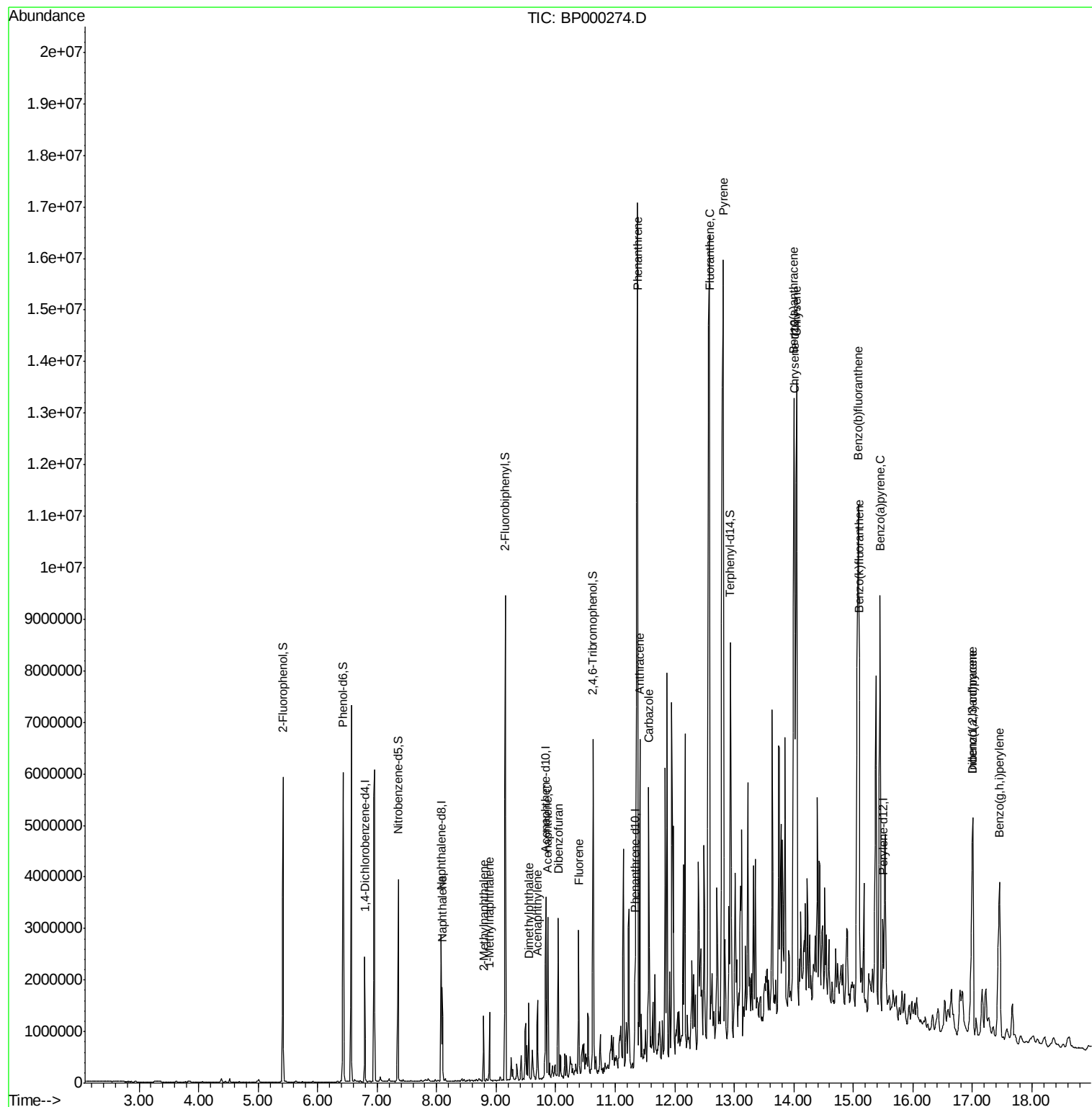
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
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ALS Vial : 14 Sample Multiplier: 1

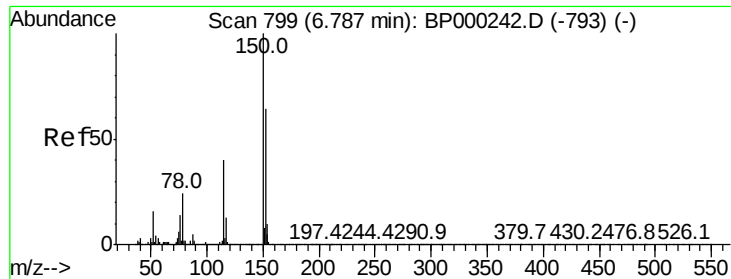
Instrument :
BNA_P
ClientSampled :
SB-10

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#1

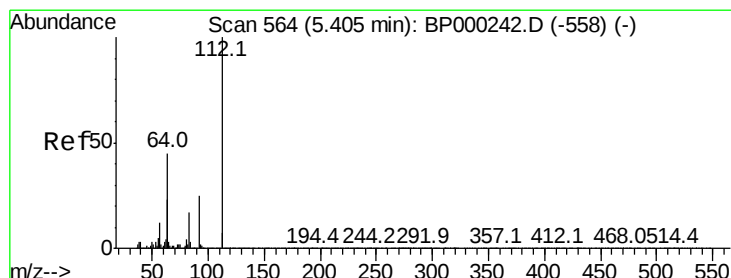
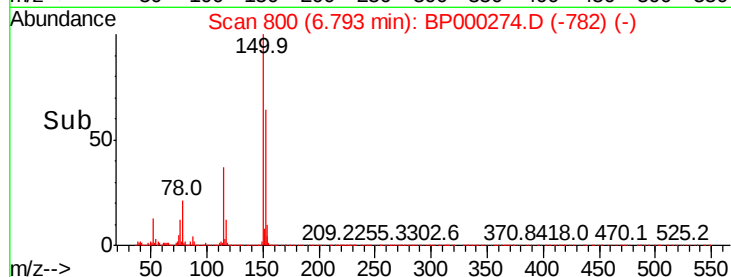
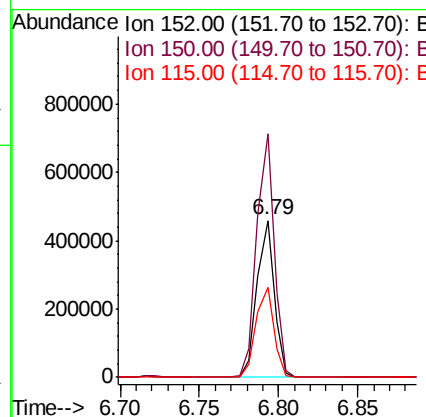
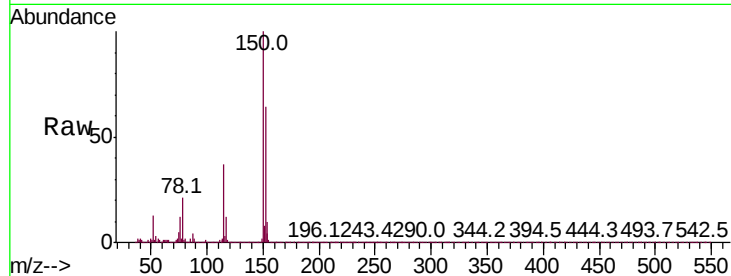
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Instrument :
BNA_P
ClientSampled :
SB-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.2	187.8
115	57.2	49.7	74.5

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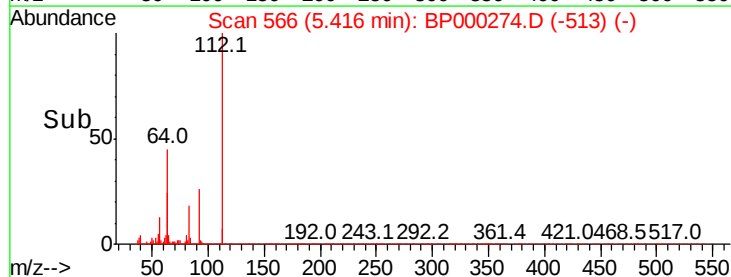
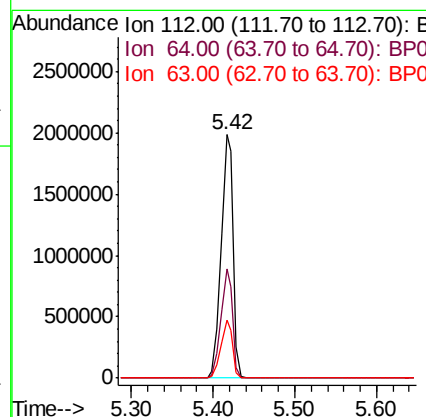
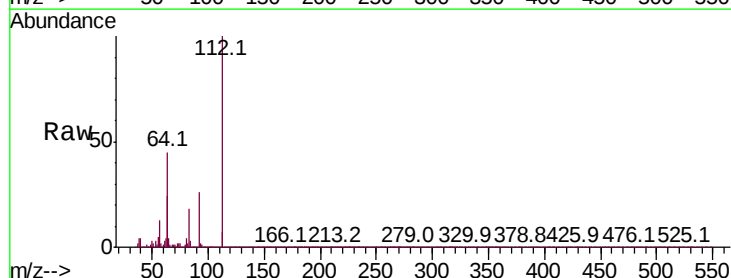
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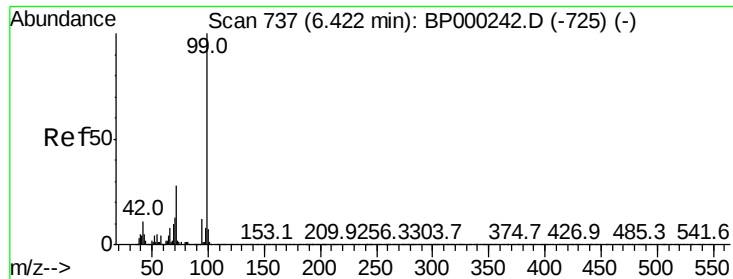


#5

2-Fluorophenol
Concen: 100.811 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.7	36.2	54.4
63	23.6	18.3	27.5





#7

Phenol-d6

Concen: 103.211 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000274.D

Acq: 17 Sep 2019 15:48

Instrument :

BNA_P

ClientSampleId :

SB-10

Tot Ion: 99 Resp: 2557552

Ion Ratio Lower Upper

99 100

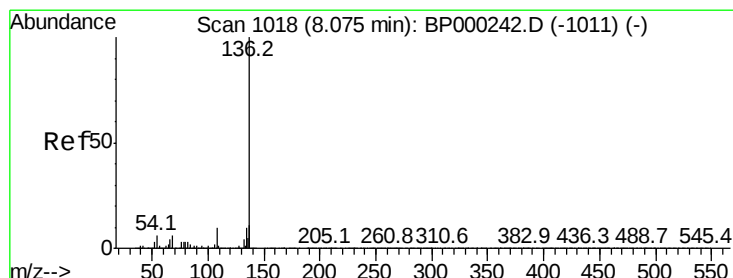
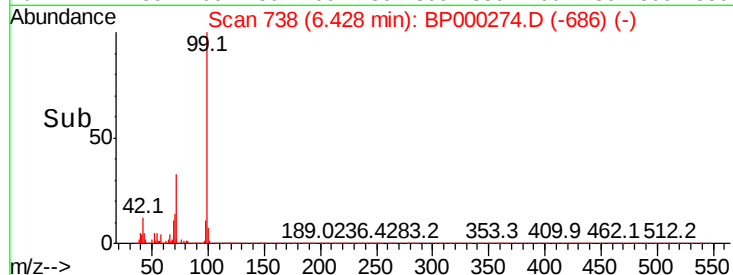
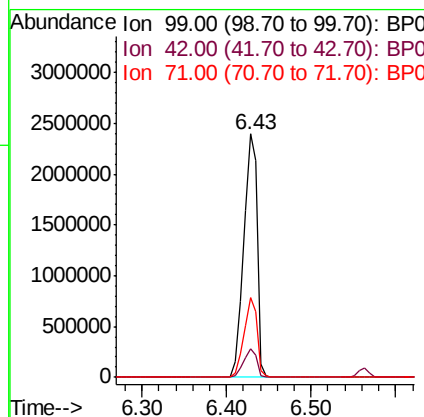
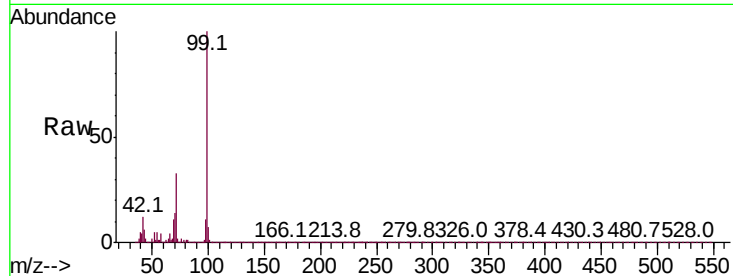
42 11.9 8.5 12.7

71 32.6 22.6 34.0

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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: BP000274.D

Acq: 17 Sep 2019 15:48

Tgt Ion: 136 Resp: 1224593

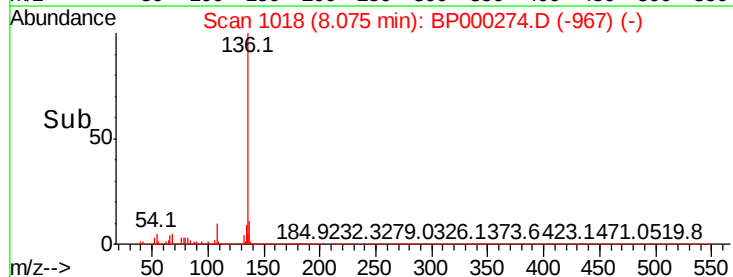
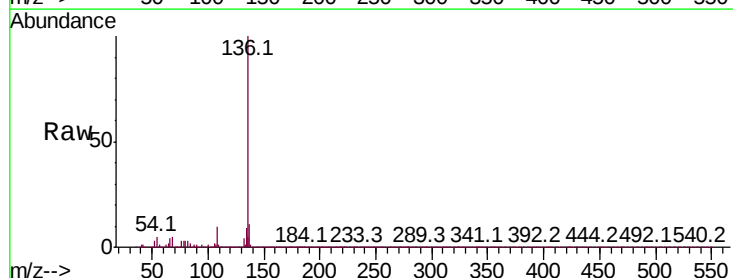
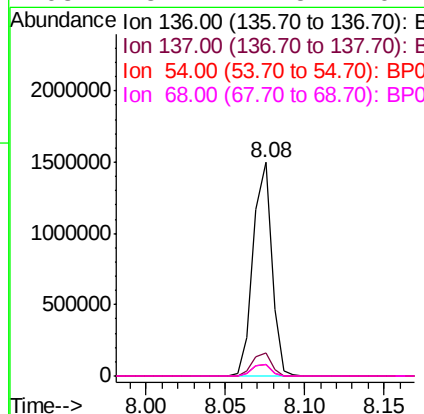
Ion Ratio Lower Upper

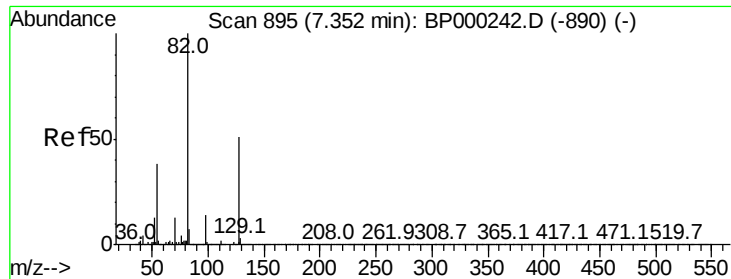
136 100

137 10.8 8.6 13.0

54 5.2 4.5 6.7

68 5.2 4.5 6.7





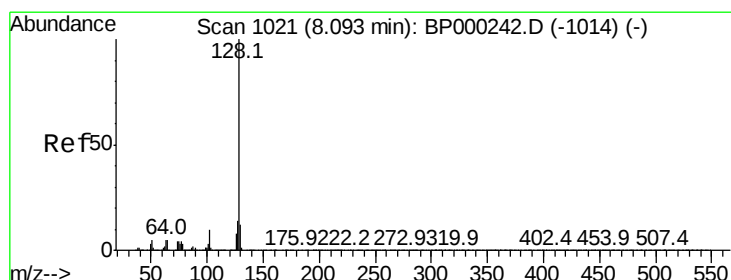
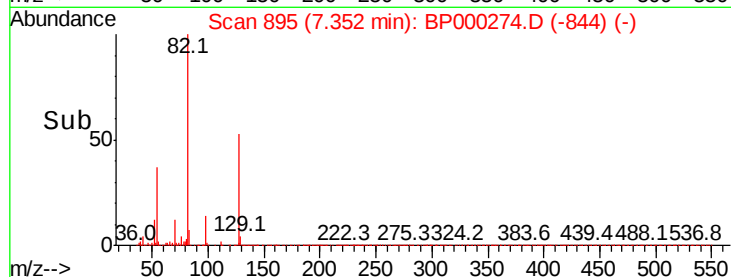
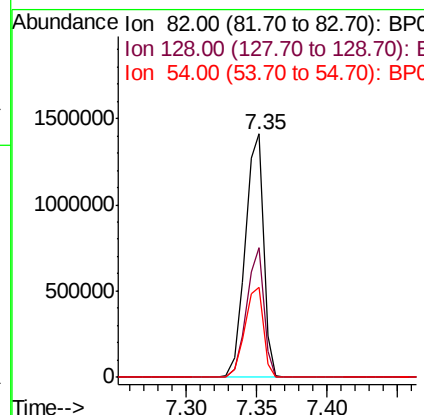
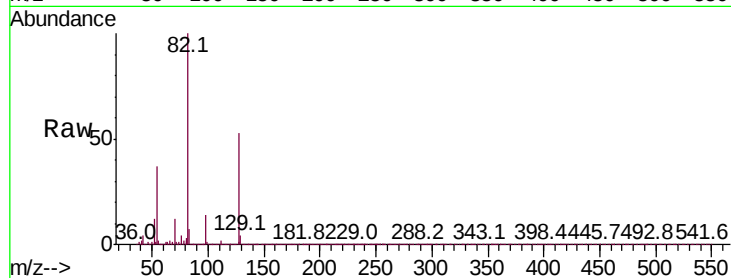
#23
Nitrobenzene-d5
Concen: 67.329 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.00 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Instrument :
BNA_P
ClientSampleId :
SB-10

Tot Ion	Ratio	Lower	Upper
82	100		
128	53.2	40.7	61.1
54	36.8	30.1	45.1

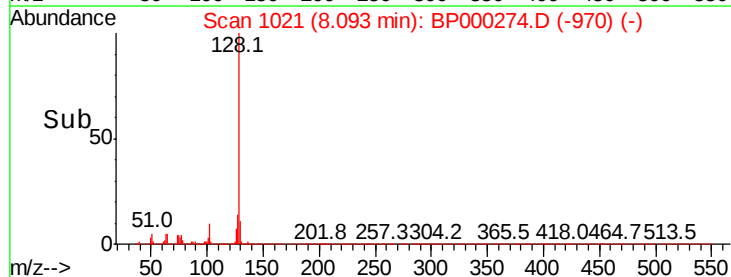
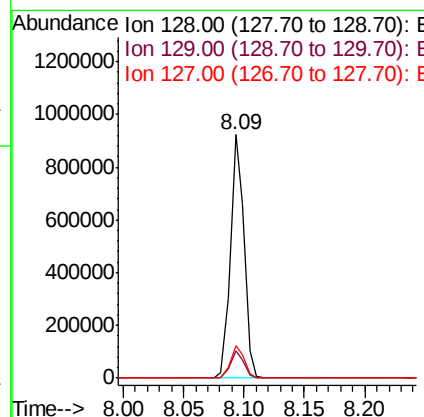
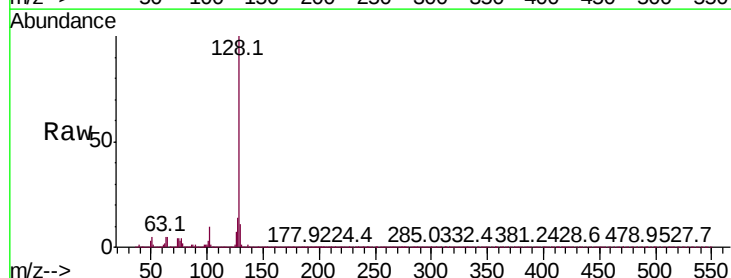
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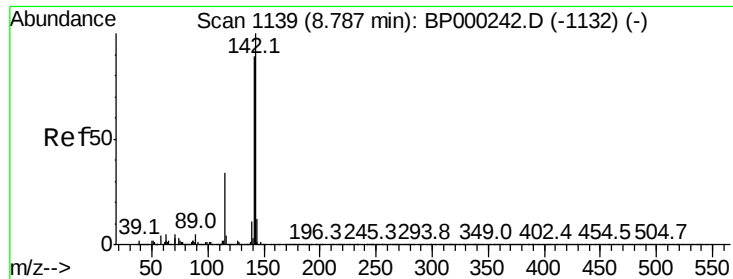
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#31
Naphthalene
Concen: 12.675 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.5	11.0	16.6





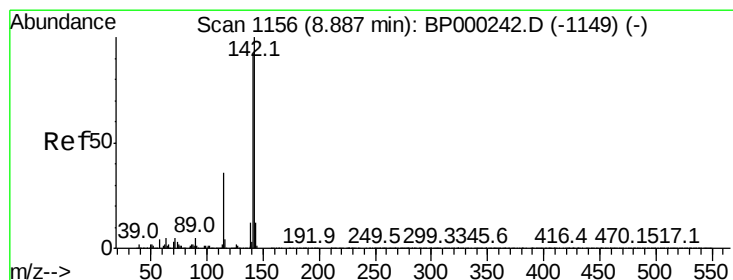
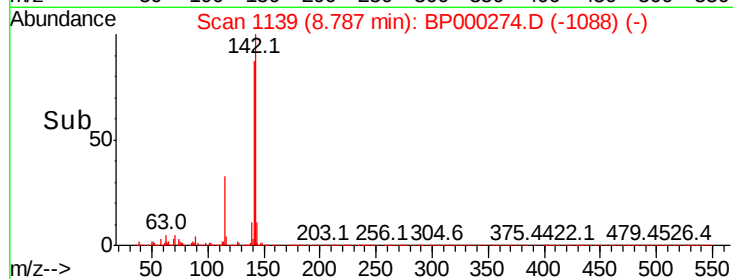
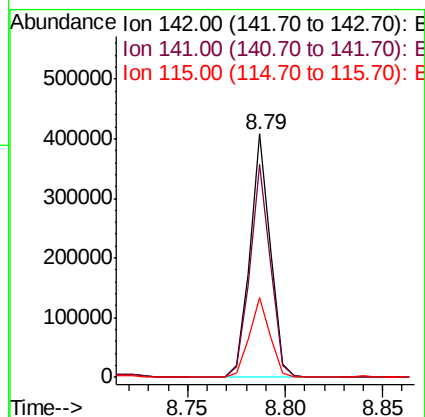
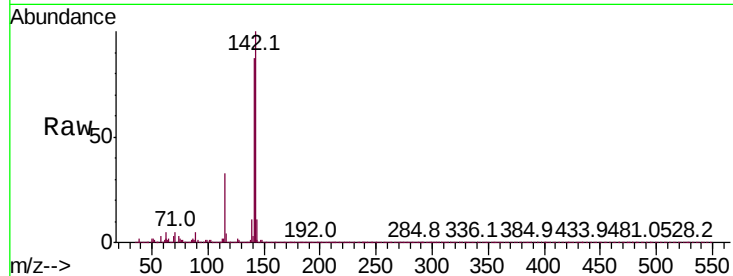
#37
2-Methylnaphthalene
Concen: 7.583 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Instrument :
BNA_P
ClientSampled :
SB-10

Tot Ion	Ratio	Resp	Lower	Upper
142	100	294003		
141	87.5	71.3	106.9	
115	32.9	27.2	40.8	

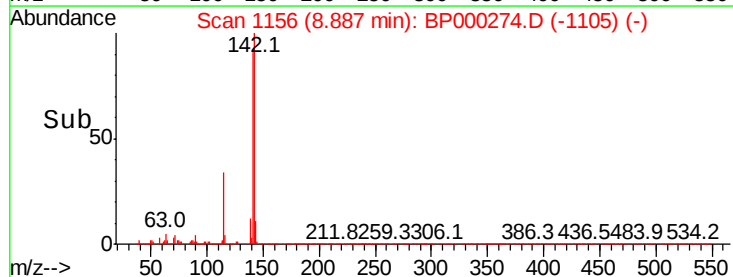
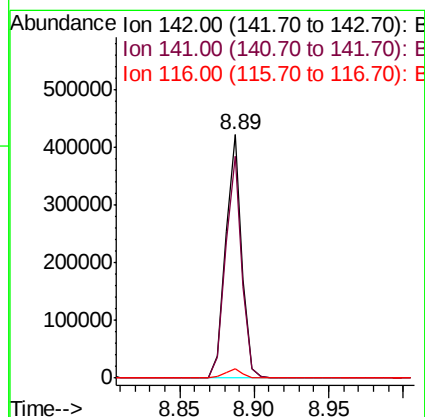
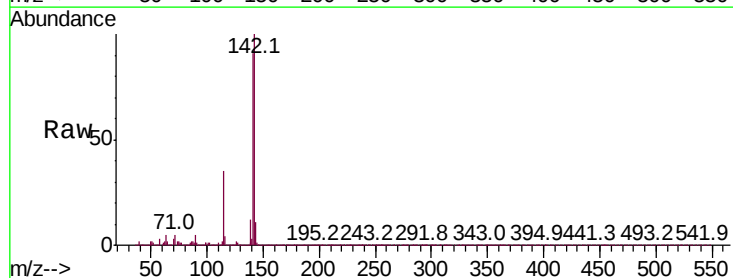
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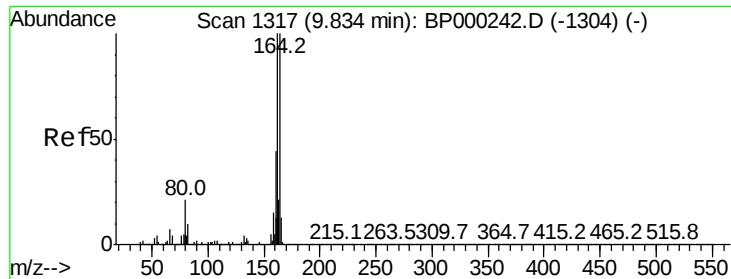
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#38
1-Methylnaphthalene
Concen: 8.831 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	320722		
141	91.3	73.9	110.9	
116	3.8	3.0	4.6	





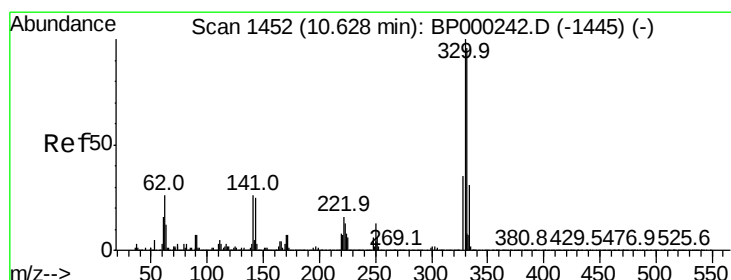
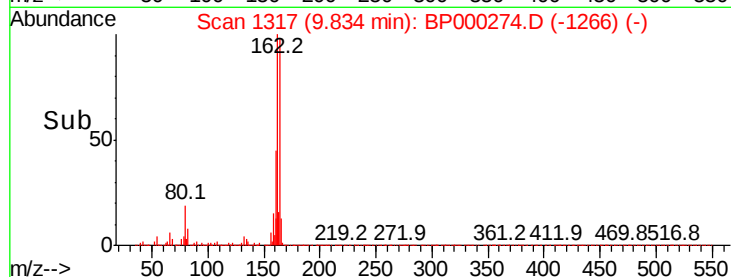
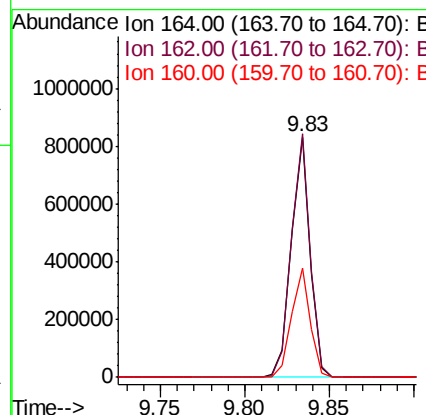
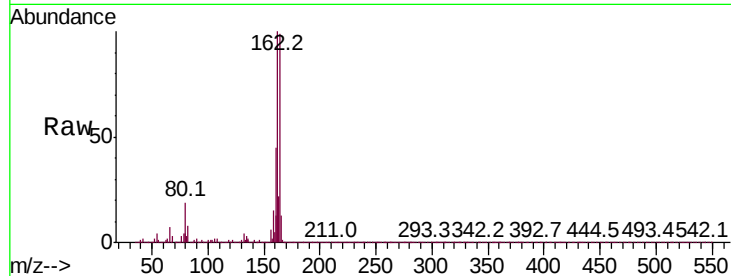
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Instrument :
BNA_P
ClientSampled :
SB-10

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.3	79.9	119.9	
160	45.5	35.6	53.4	

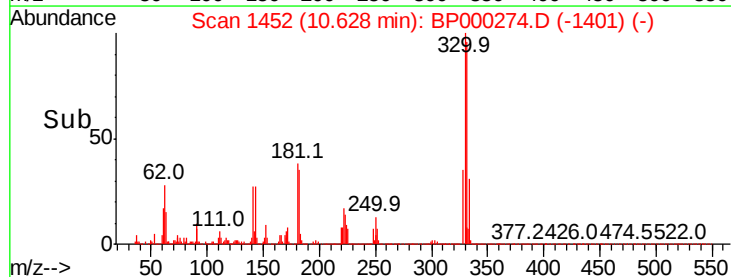
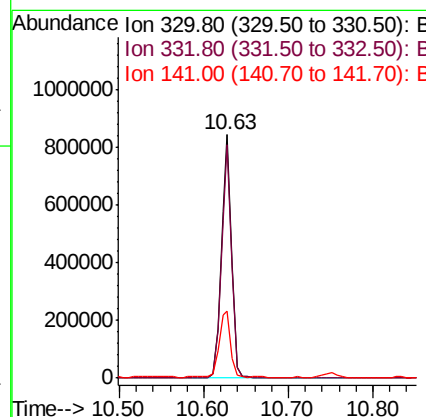
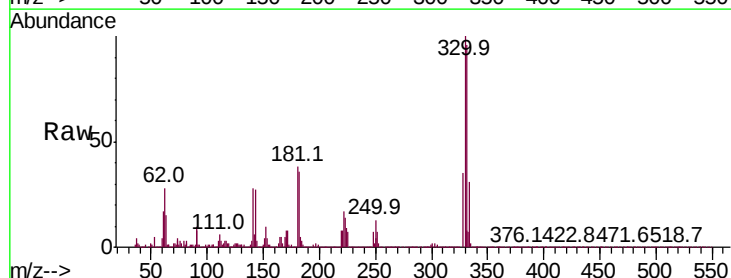
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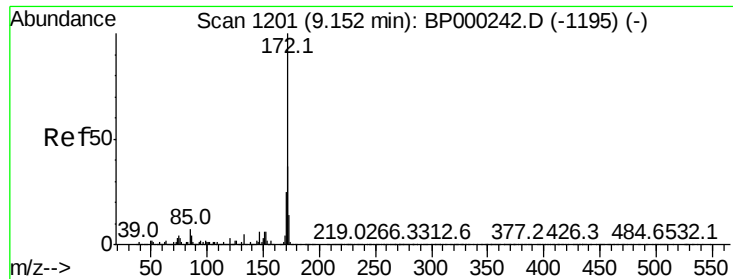
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#42
2,4,6-Tribromophenol
Concen: 113.466 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	76.6	115.0	
141	30.7	26.5	39.7	





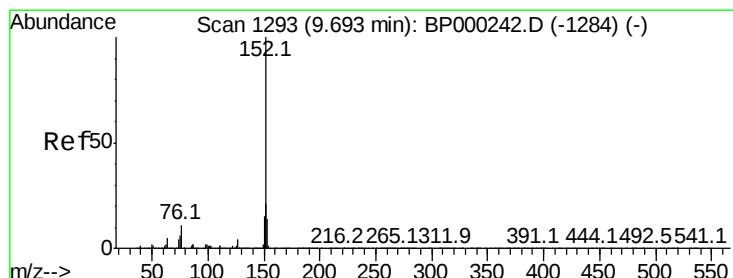
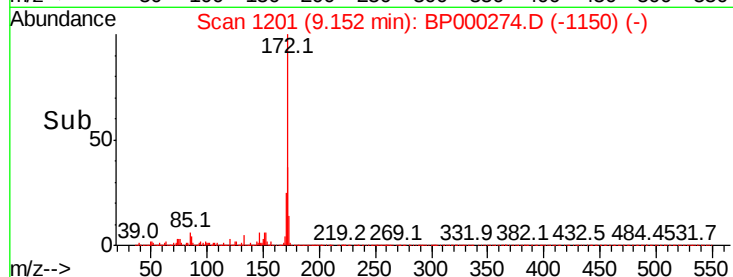
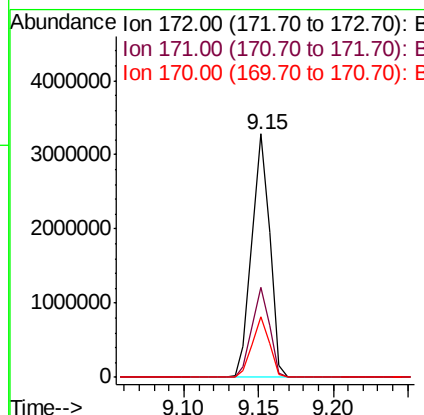
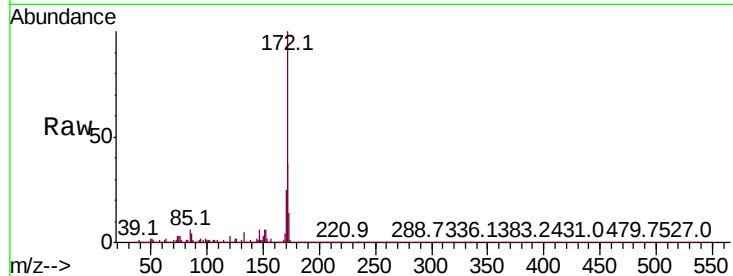
#45
2-Fluorobiphenyl
Concen: 75.692 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Instrument :
BNA_P
ClientSampleId :
SB-10

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.8	44.6
170	24.8	19.8	29.6

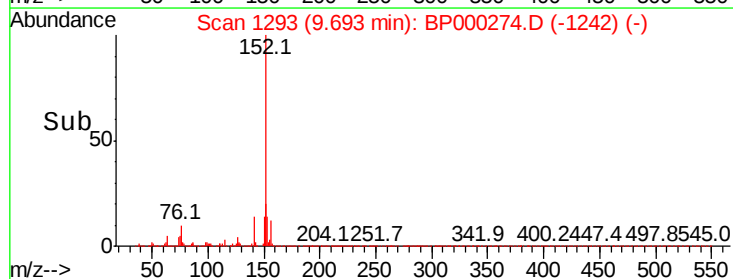
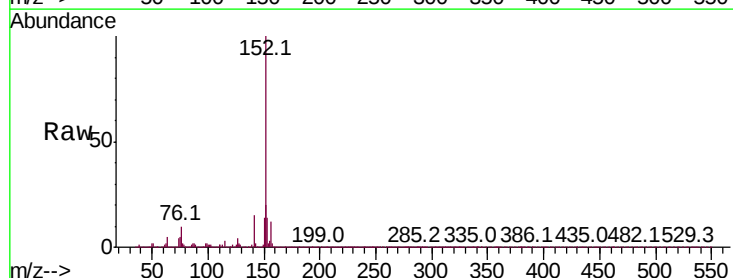
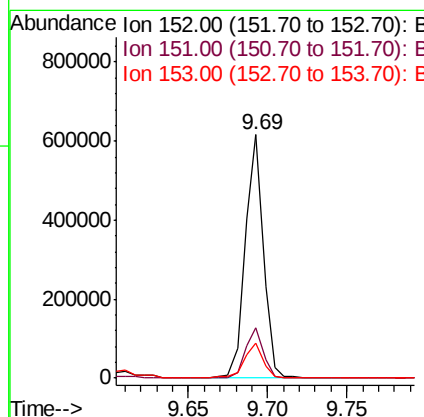
Manual Integrations
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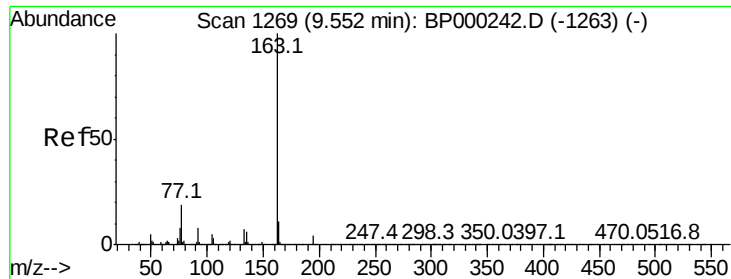
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#49
Acenaphthylene
Concen: 8.565 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	14.4	11.0	16.4





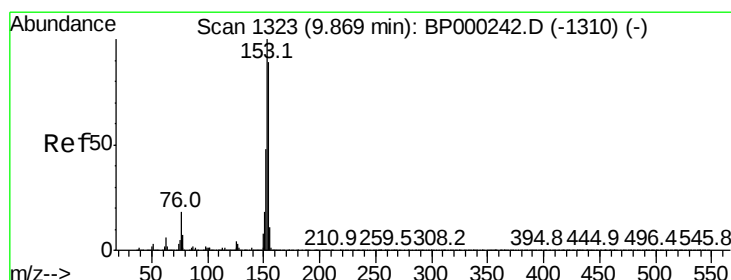
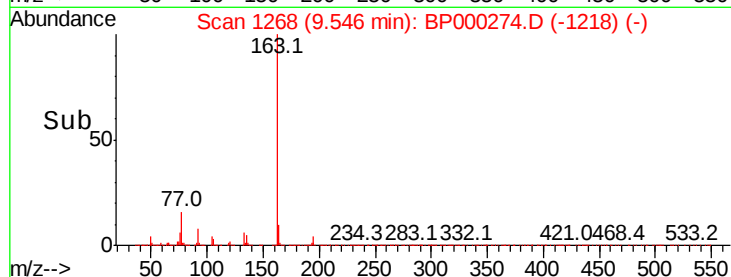
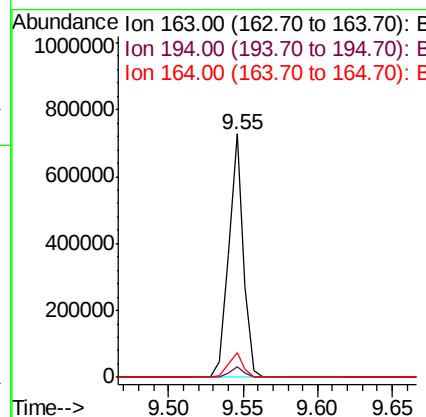
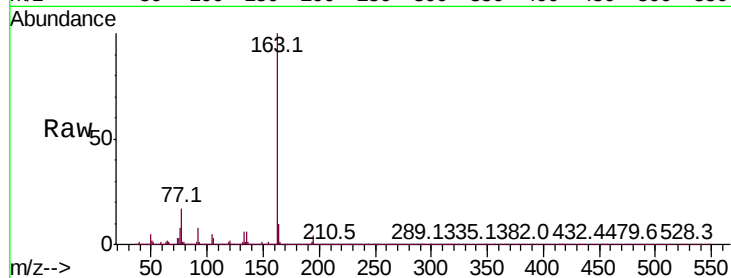
#50
Dimethylphthalate
Concen: 11.455 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Instrument :
BNA_P
ClientSampleId :
SB-10

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.3	3.4	5.0	
164	10.0	8.5	12.7	

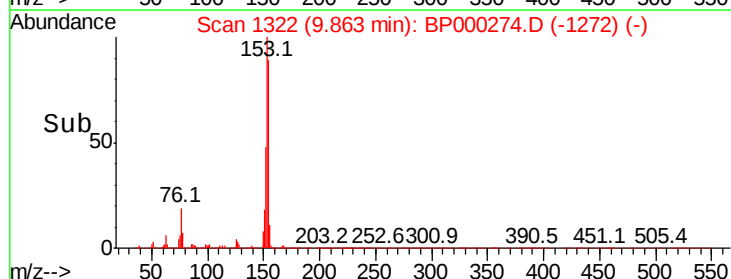
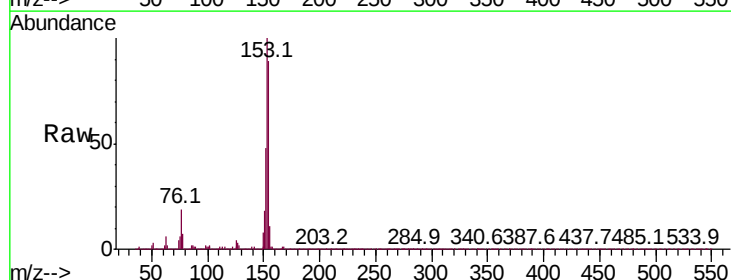
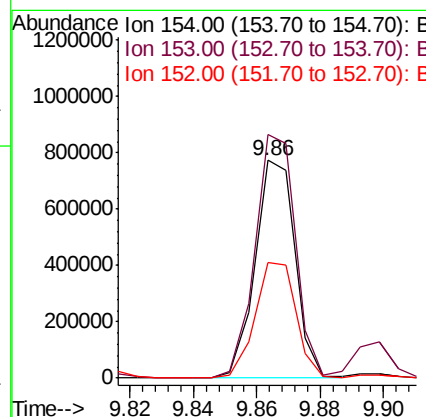
Manual Integrations
APPROVED

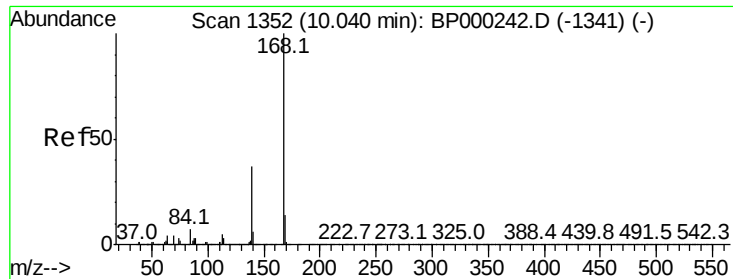
mohammad
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#52
Acenaphthene
Concen: 18.867 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.8	89.8	134.6	
152	53.2	43.4	65.0	





#55

Dibenzenofuran

Concen: 19.101 ng

RT: 10.04 min Scan# 1352

Delta R.T. -0.00 min

Lab File: BP000274.D

Acq: 17 Sep 2019 15:48

Instrument :

BNA_P

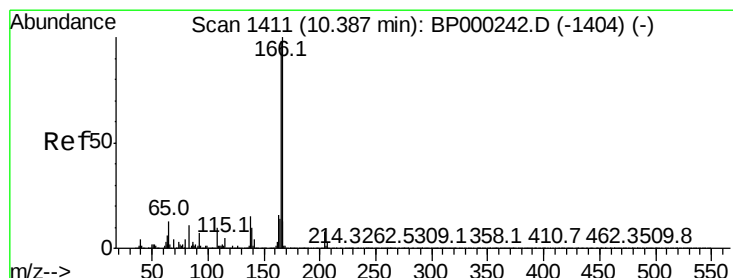
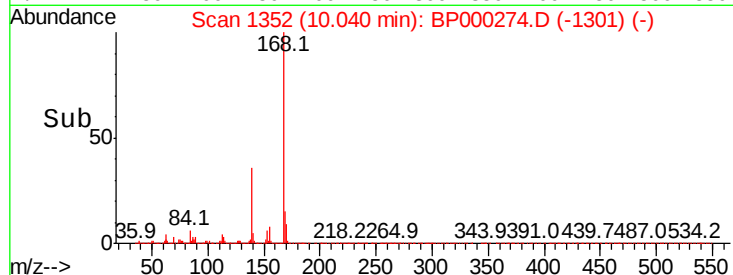
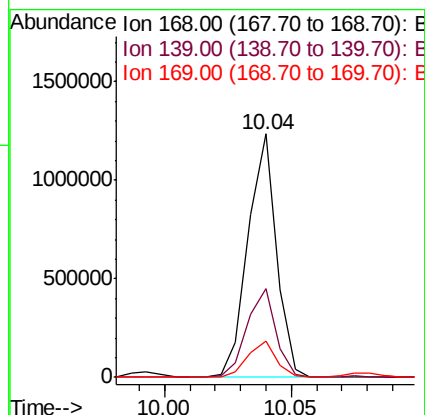
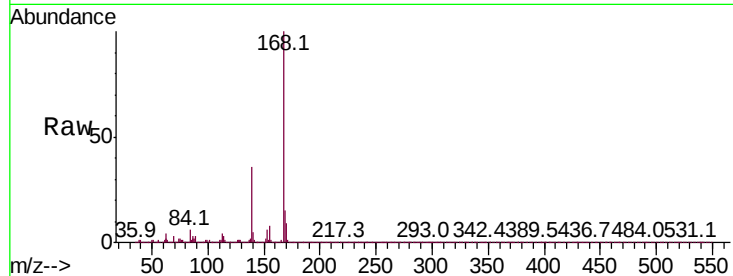
ClientSampled :

SB-10

Tot Ion:	168	Resp:	964184
Ion Ratio	Lower	Upper	
168	100		
139	36.4	30.0	45.0
169	14.7	11.0	16.6

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#58

Fluorene

Concen: 19.447 ng

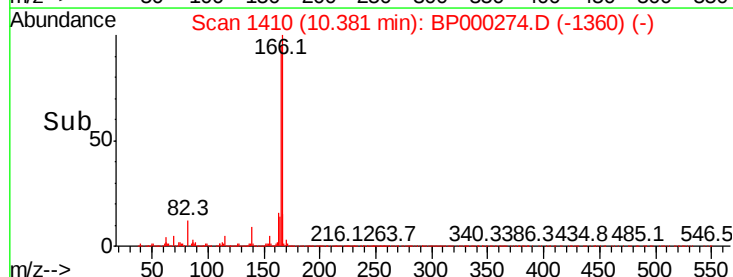
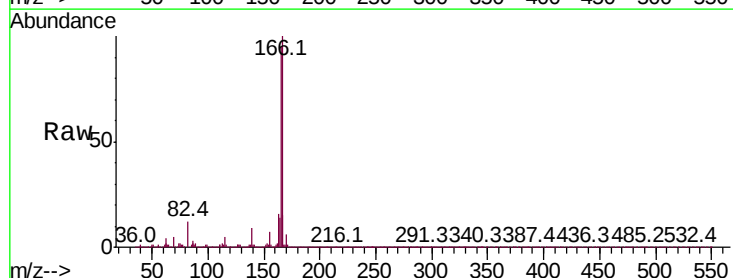
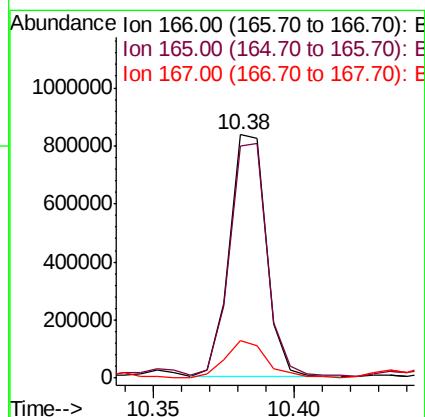
RT: 10.38 min Scan# 1410

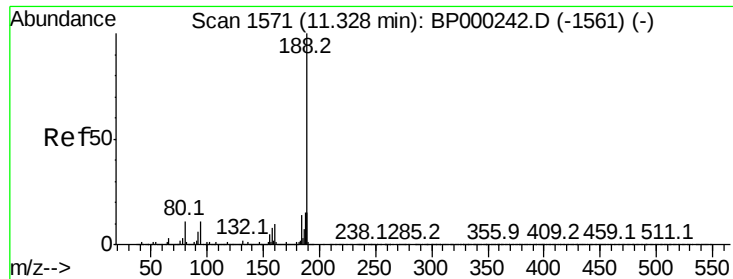
Delta R.T. -0.01 min

Lab File: BP000274.D

Acq: 17 Sep 2019 15:48

Tgt Ion:	166	Resp:	758218
Ion Ratio	Lower	Upper	
166	100		
165	95.4	78.2	117.2
167	15.2	10.7	16.1





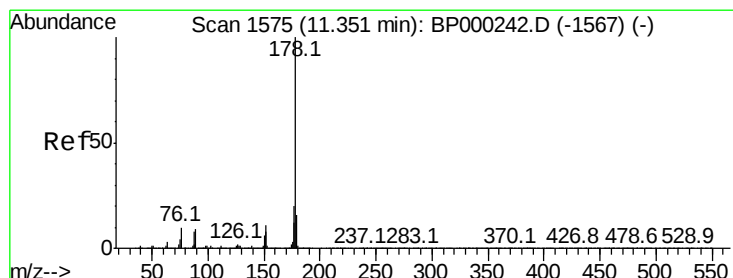
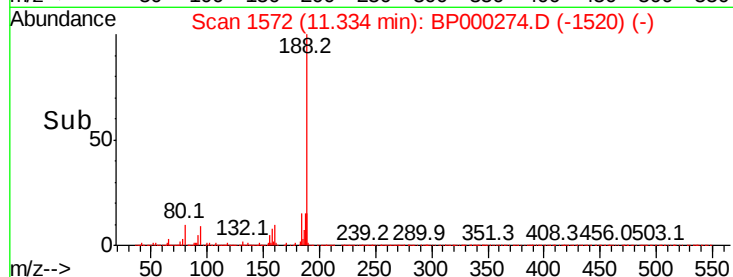
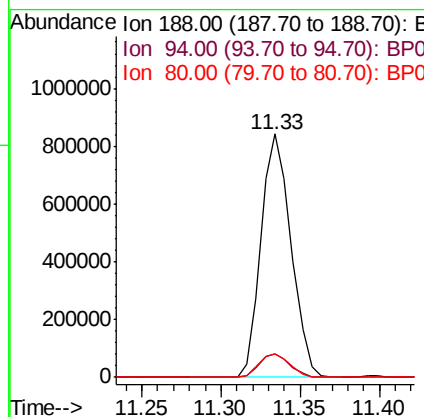
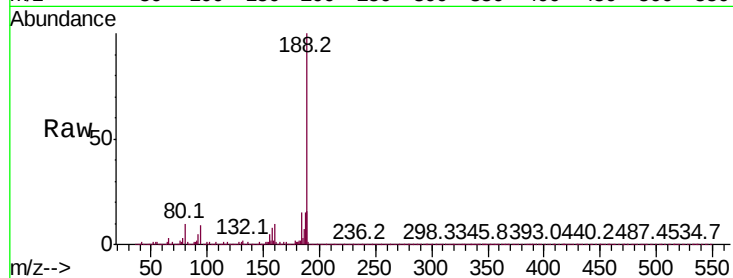
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Instrument :
BNA_P
ClientSampled :
SB-10

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	9.7	8.6	13.0

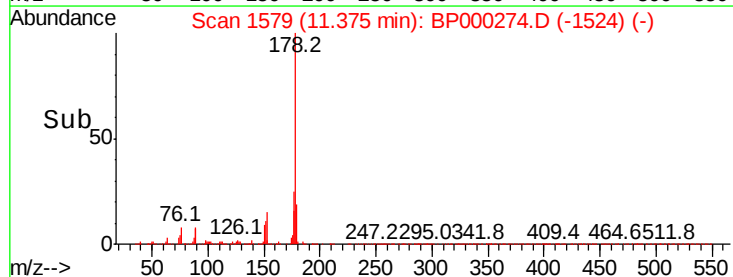
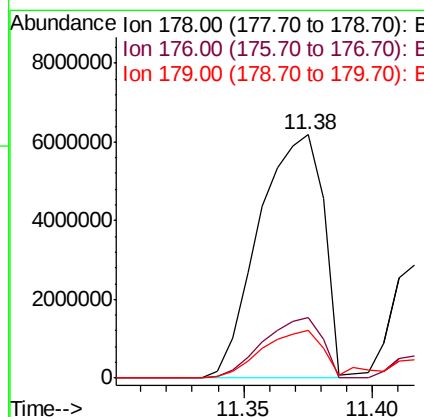
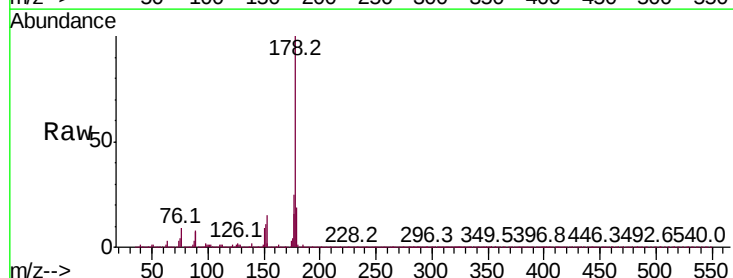
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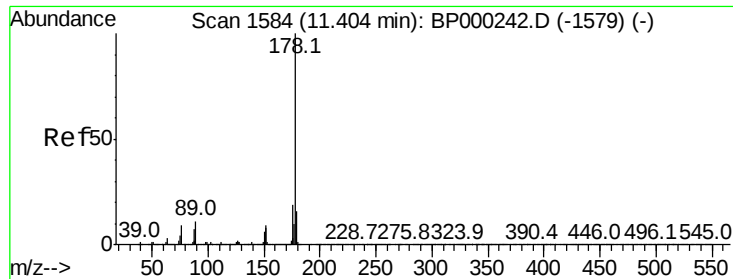
mohammad
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#71
Phenanthrene
Concen: 192.824 ng m
RT: 11.38 min Scan# 1579
Delta R.T. 0.02 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	25.0	15.8	23.8#
179	19.4	12.7	19.1#





#72

Anthracene

Concen: 41.801 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.01 min

Lab File: BP000274.D

Acq: 17 Sep 2019 15:48

Instrument :

BNA_P

ClientSampleId :

SB-10

Tot Ion:178 Resp: 2389000

Ion Ratio Lower Upper

178 100

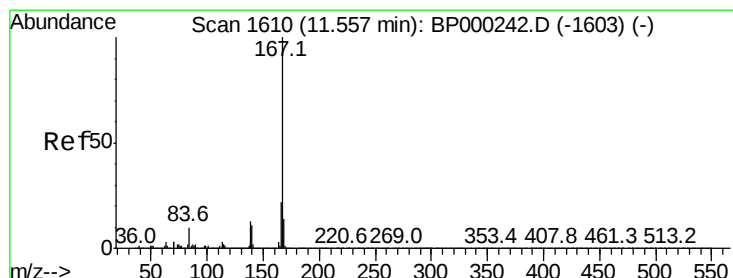
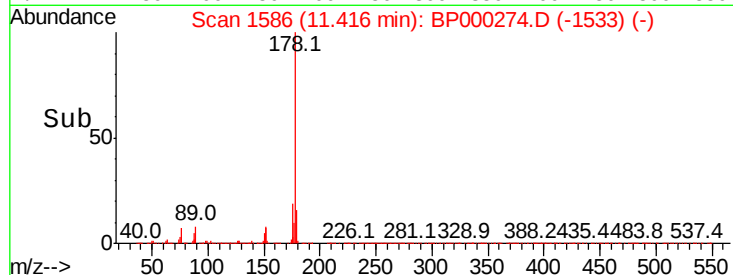
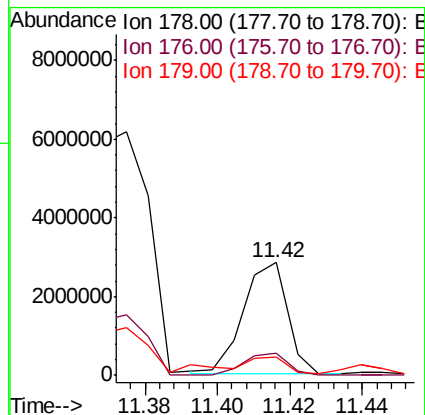
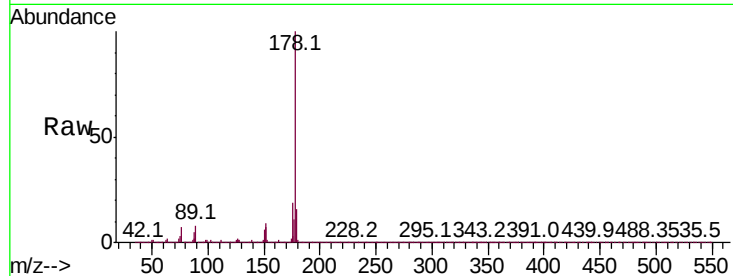
176 19.3 15.4 23.0

179 16.0 12.7 19.1

Manual Integrations
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#73

Carbazole

Concen: 38.678 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BP000274.D

Acq: 17 Sep 2019 15:48

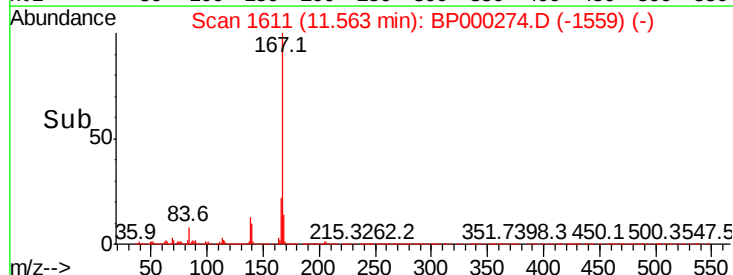
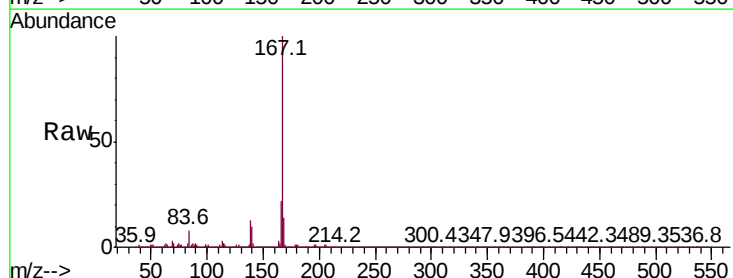
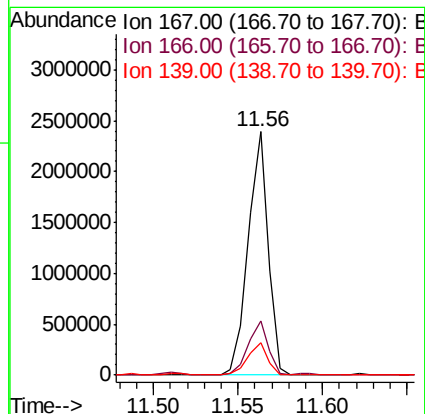
Tgt Ion:167 Resp: 1990722

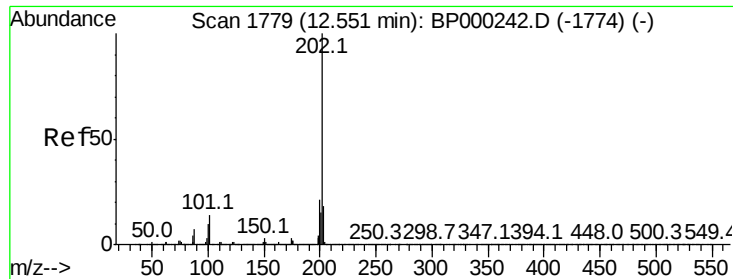
Ion Ratio Lower Upper

167 100

166 22.4 17.8 26.8

139 13.2 10.8 16.2





#75

Fluoranthene

Concen: 203.328 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.03 min

Lab File: BP000274.D

Acq: 17 Sep 2019 15:48

Instrument :

BNA_P

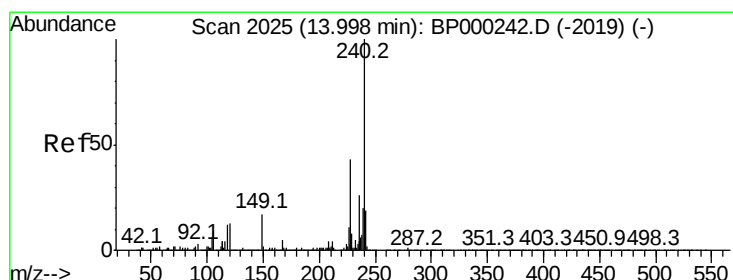
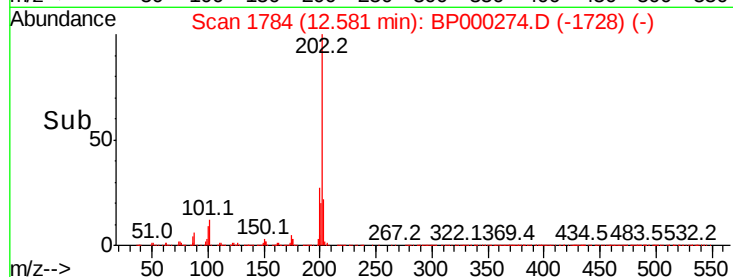
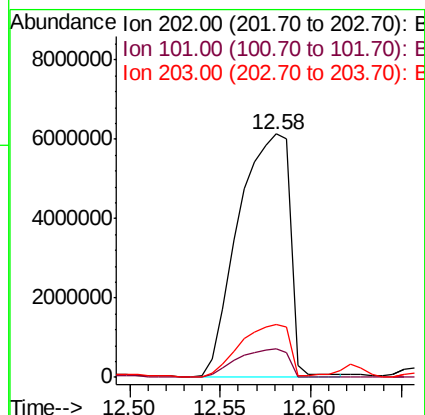
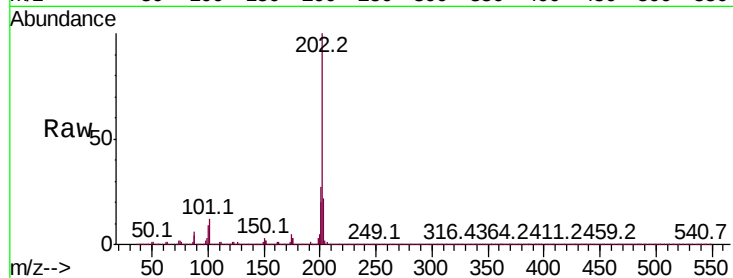
ClientSampleId :

SB-10

Tot Ion:	202	Resp:	12122592
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.9
203	21.8	0.0	38.0

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#76

Chrysene-d12

Concen: 20.000 ng

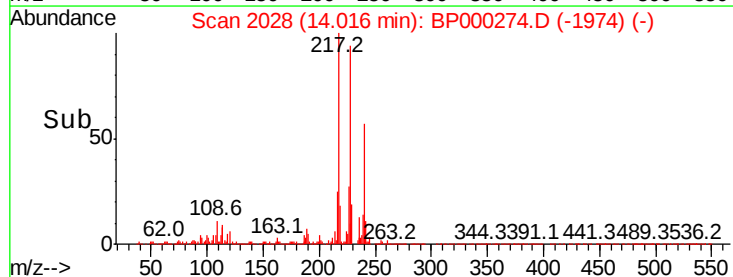
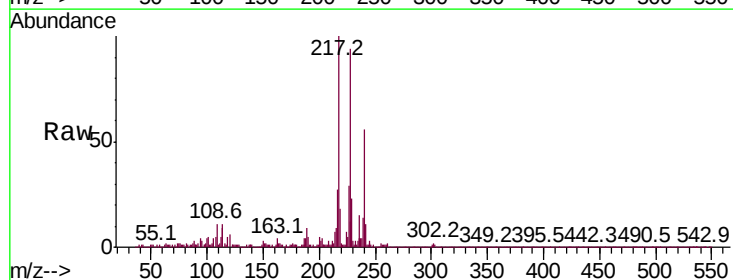
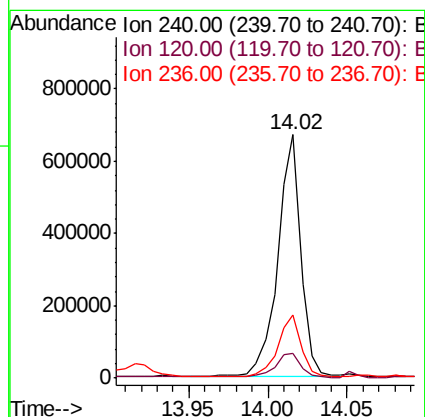
RT: 14.02 min Scan# 2028

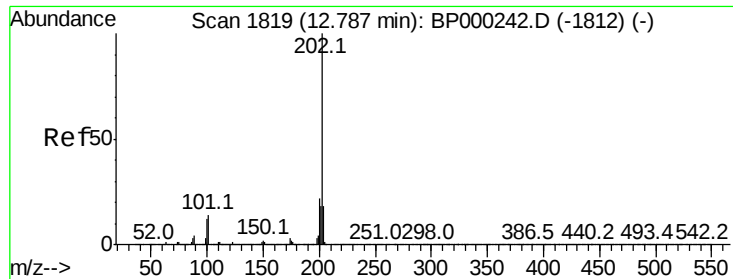
Delta R.T. 0.02 min

Lab File: BP000274.D

Acq: 17 Sep 2019 15:48

Tgt Ion:	240	Resp:	680621
Ion	Ratio	Lower	Upper
240	100		
120	10.1	10.4	15.6#
236	25.8	21.0	31.6





#78

Pvrene

Concen: 207.960 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.03 min

Lab File: BP000274.D

Acq: 17 Sep 2019 15:48

Instrument :

BNA_P

ClientSampleId :

SB-10

Tot Ion:202 Resp:10589684

Ion Ratio Lower Upper

202 100

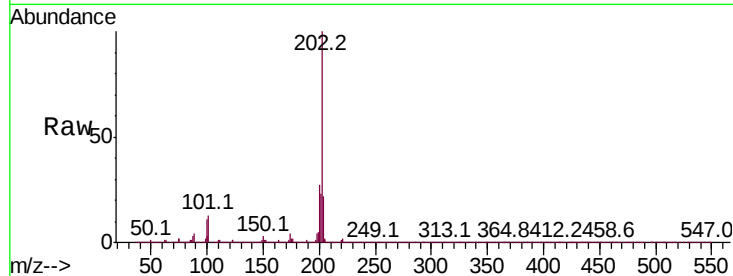
200 27.1 17.5 26.3#

203 22.1 14.3 21.5#

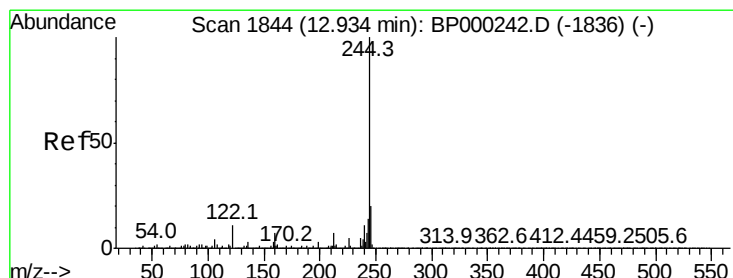
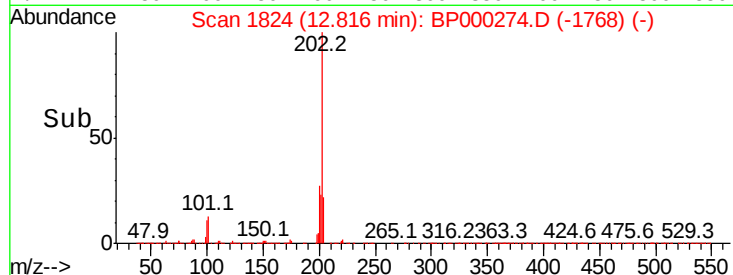
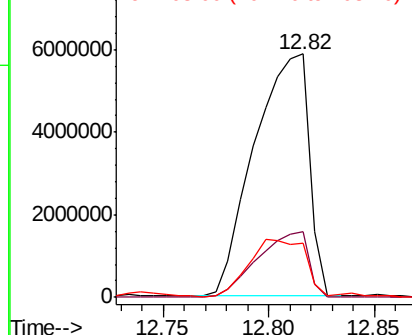
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Abundance Ion 202.00 (201.70 to 202.70): E
8000000
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 82.621 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BP000274.D

Acq: 17 Sep 2019 15:48

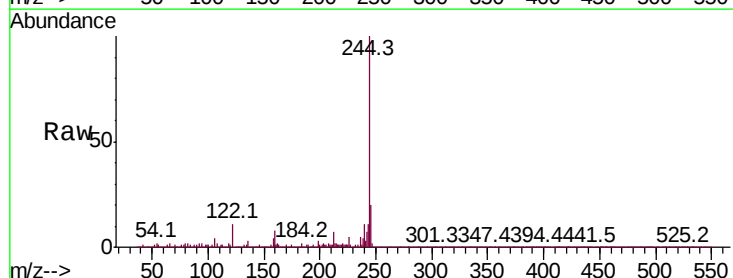
Tgt Ion:244 Resp: 2680556

Ion Ratio Lower Upper

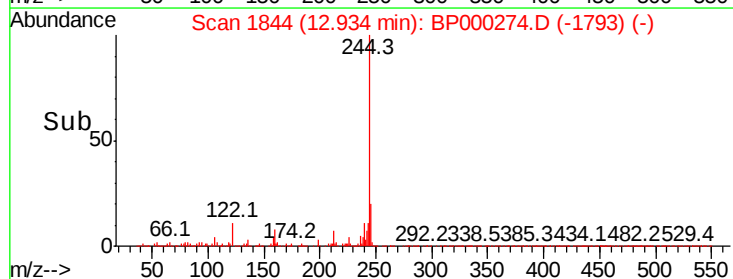
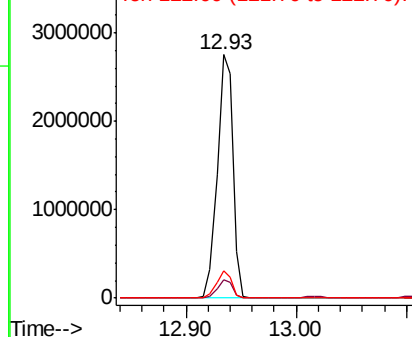
244 100

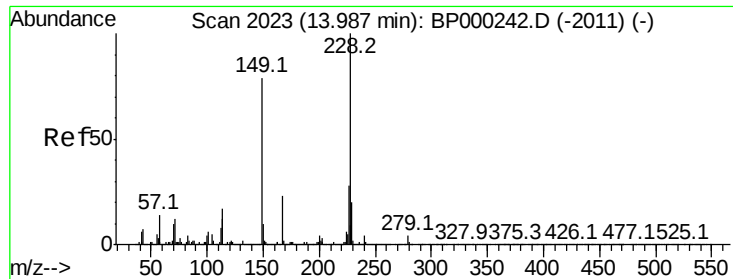
212 7.3 5.9 8.9

122 11.2 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E
3000000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





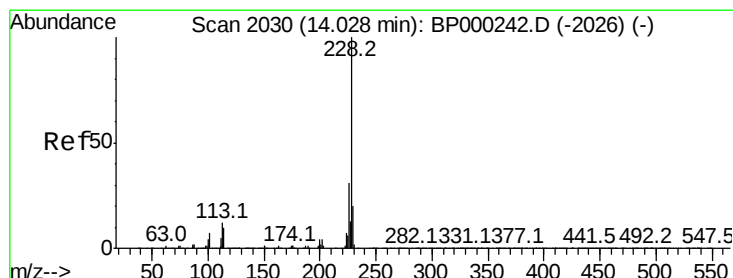
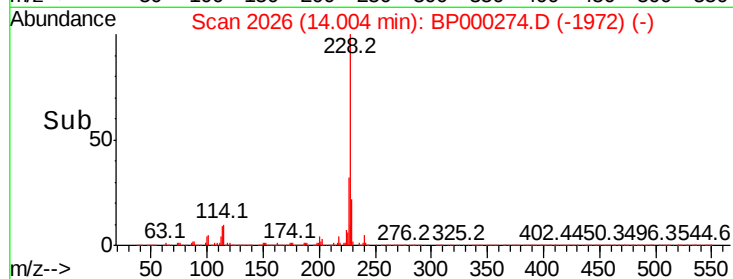
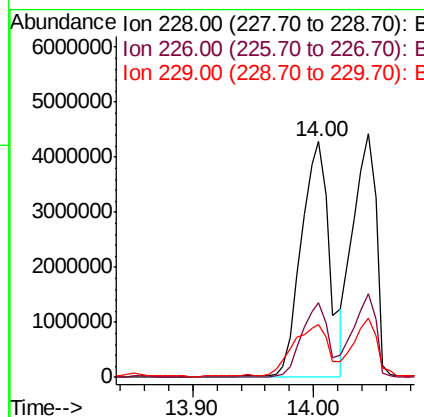
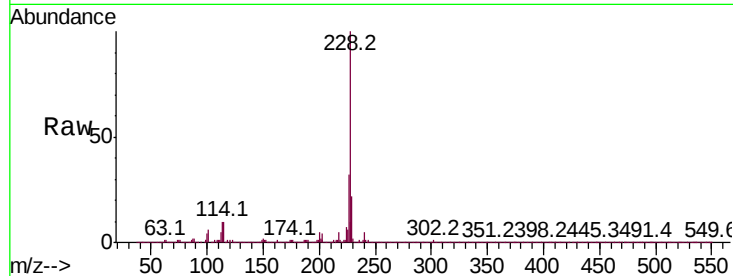
#81
Benzo(a)anthracene
Concen: 161.526 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.02 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Instrument :
BNA_P
ClientSampled :
SB-10

Tot Ion:228 Resp: 6944485
Ion Ratio Lower Upper
228 100
226 31.9 22.2 33.4
229 22.4 16.0 24.0

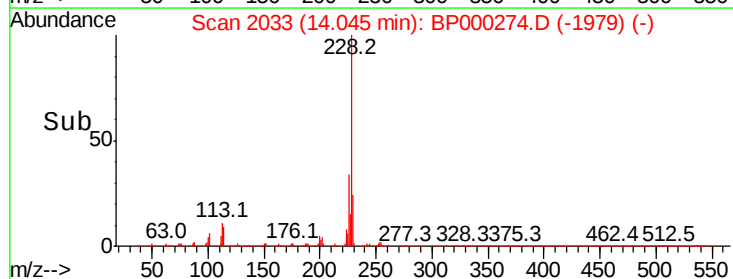
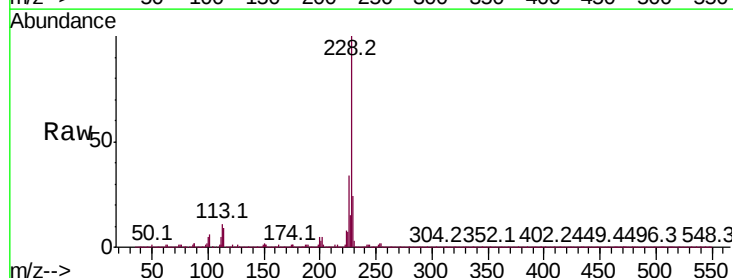
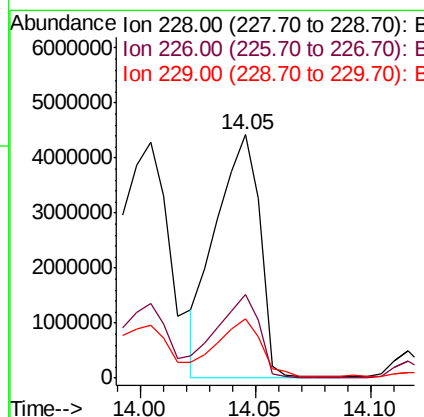
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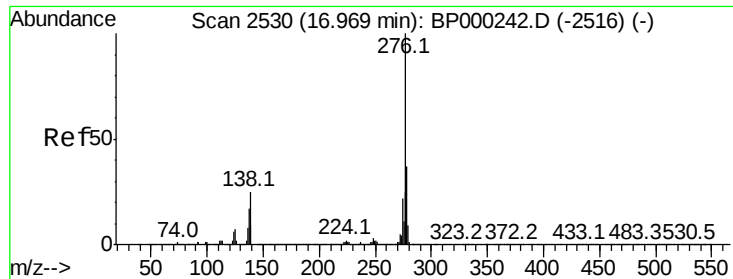
mohammad
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#83
Chrysene
Concen: 138.150 ng
RT: 14.05 min Scan# 2033
Delta R.T. 0.02 min
Lab File: BP000274.D
Acq: 17 Sep 2019 15:48

Tgt Ion:228 Resp: 5831737
Ion Ratio Lower Upper
228 100
226 34.3 24.9 37.3
229 24.1 16.2 24.2





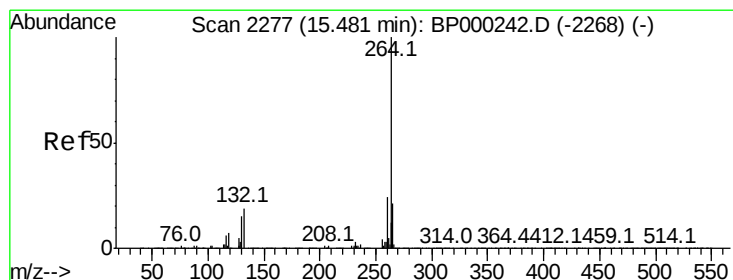
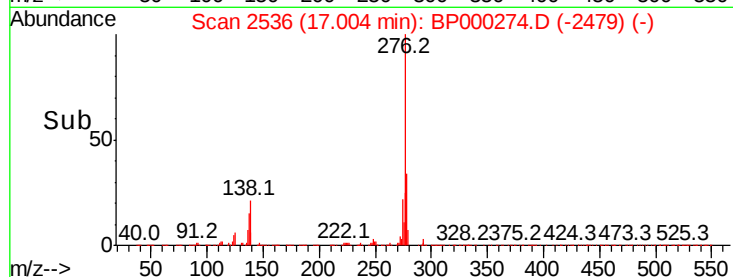
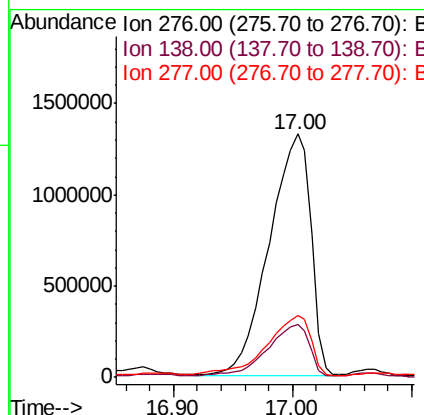
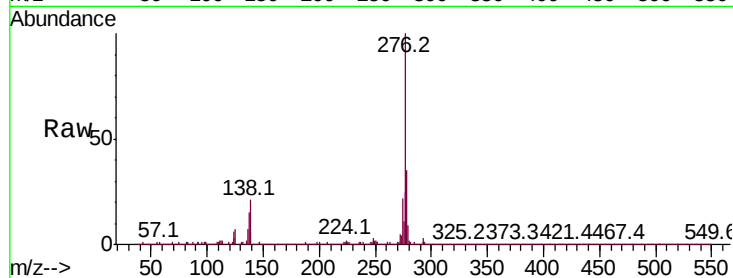
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 61.976 ng/ml
 RT: 17.00 min Scan# 2536
 Delta R.T. 0.04 min
 Lab File: BP000274.D
 Acq: 17 Sep 2019 15:48

Instrument :
 BNA_P
 ClientSampleId :
 SB-10

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.6	22.6	33.8#
277	5.1	20.4	30.6#

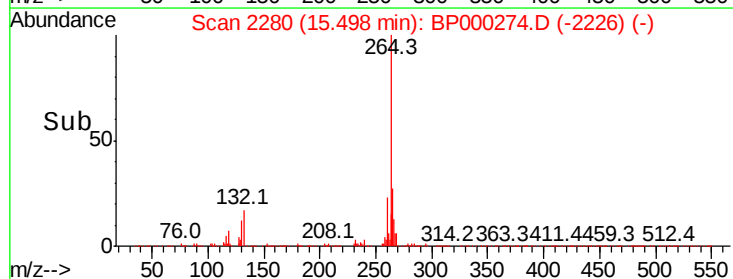
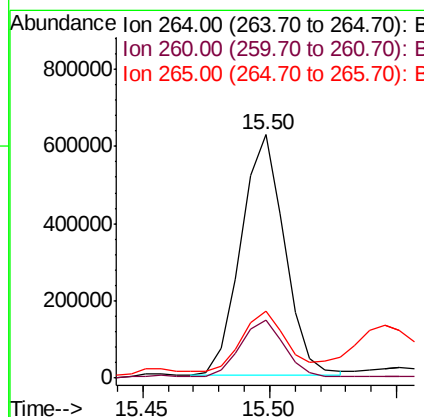
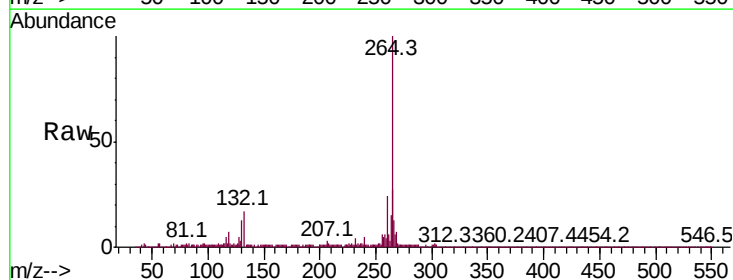
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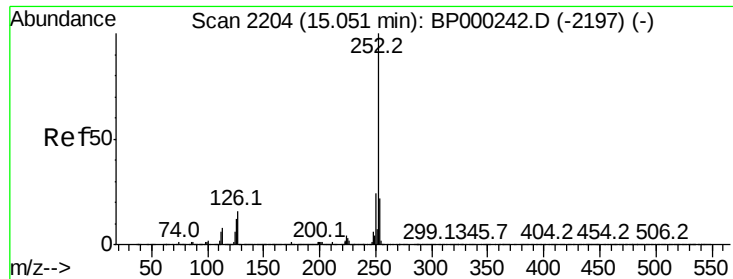
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.02 min
 Lab File: BP000274.D
 Acq: 17 Sep 2019 15:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	27.4	17.2	25.8#





#88

Benzo(b)fluoranthene

Concen: 172.254 ng m

RT: 15.07 min Scan# 2208

Delta R.T. 0.02 min

Lab File: BP000274.D

Acq: 17 Sep 2019 15:48

Instrument :

BNA_P

ClientSampleId :

SB-10

Tot Ion:252 Resp: 7717715

Ion Ratio Lower Upper

252 100

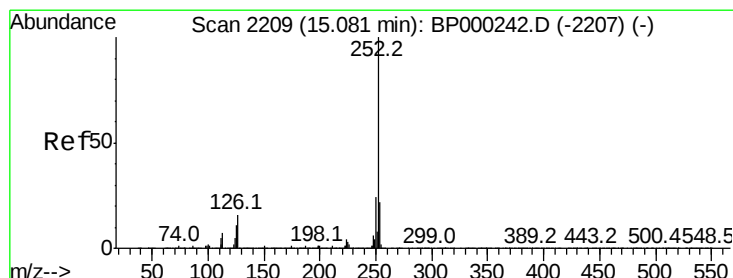
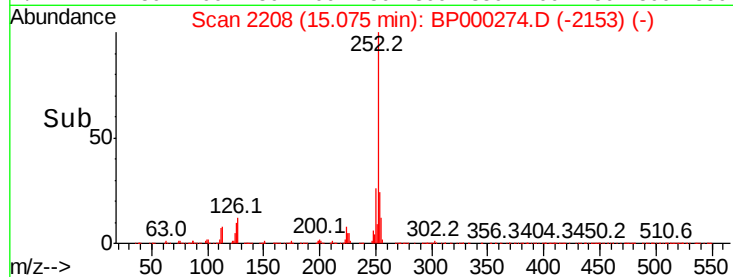
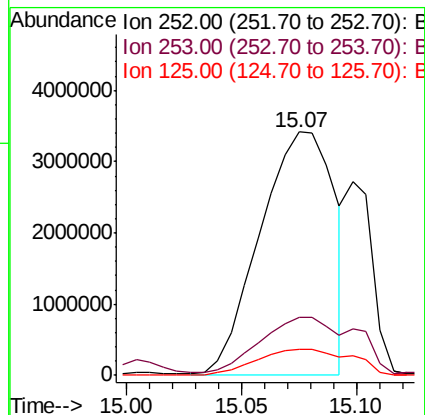
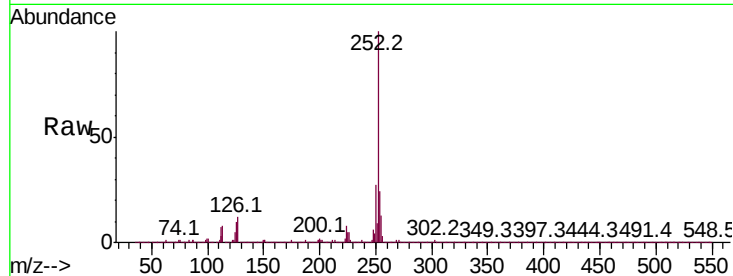
253 24.0 17.8 26.6

125 10.5 9.5 14.3

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 54.022 ng m

RT: 15.10 min Scan# 2212

Delta R.T. 0.02 min

Lab File: BP000274.D

Acq: 17 Sep 2019 15:48

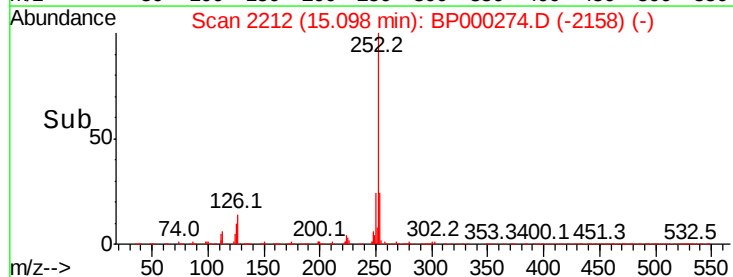
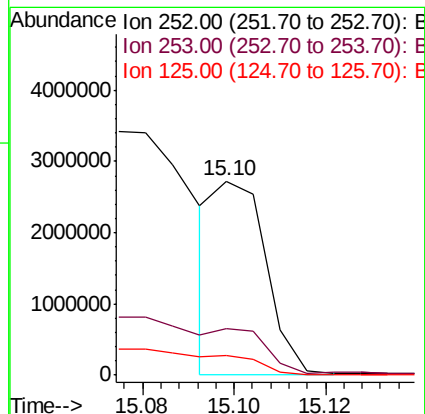
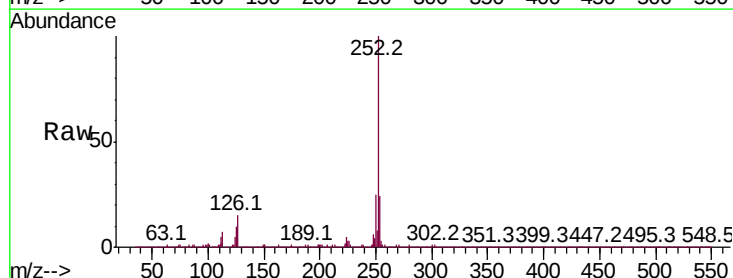
Tgt Ion:252 Resp: 2111296

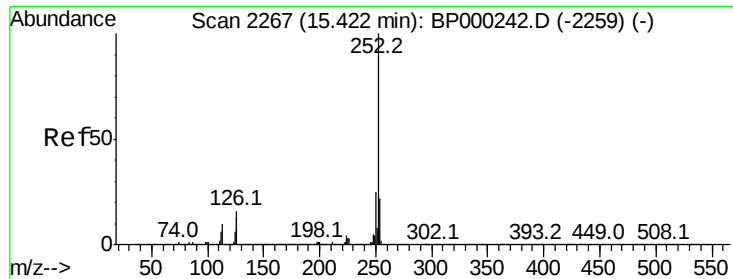
Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.8

125 10.2 9.6 14.4





#90

Benzo(a)pyrene

Concen: 118.031 ng/mL

RT: 15.45 min Scan# 2272

Delta R.T. 0.03 min

Lab File: BP000274.D

Acq: 17 Sep 2019 15:48

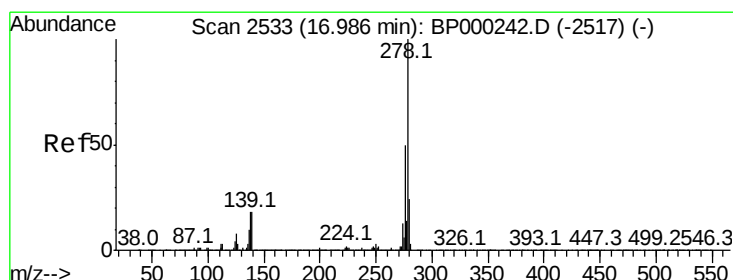
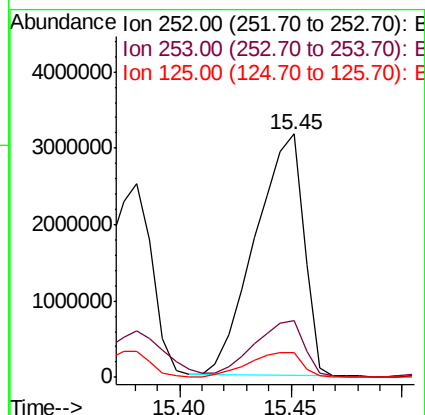
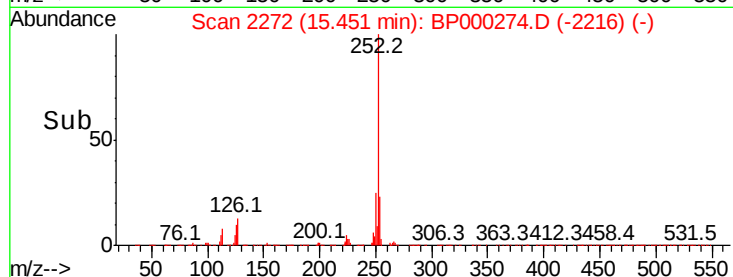
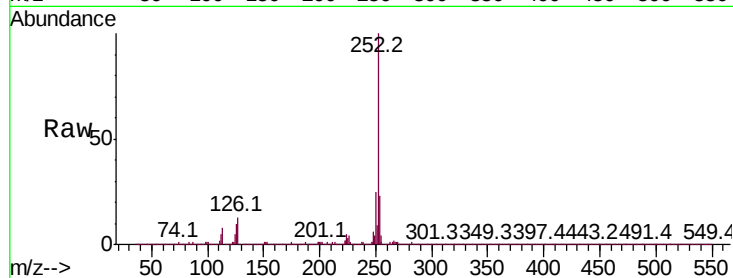
Instrument :
BNA_P
ClientSampleId :
SB-10

Tot Ion: 252 Resp: 4811901

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	9.9	10.0	15.0

Manual Integrations
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mohammad
9/19/2019 4:46:12 PM



#91

Dibenzo(a,h)anthracene

Concen: 21.935 ng/mL

RT: 17.01 min Scan# 2537

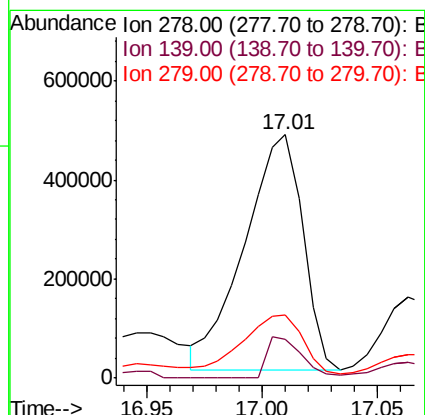
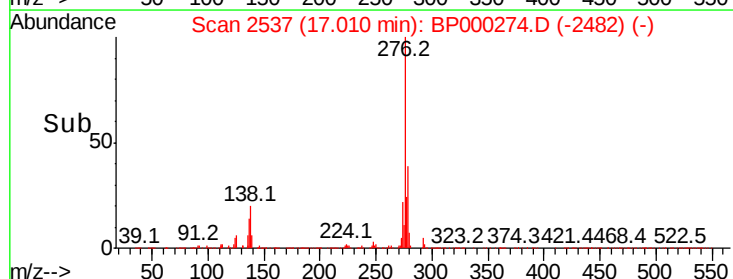
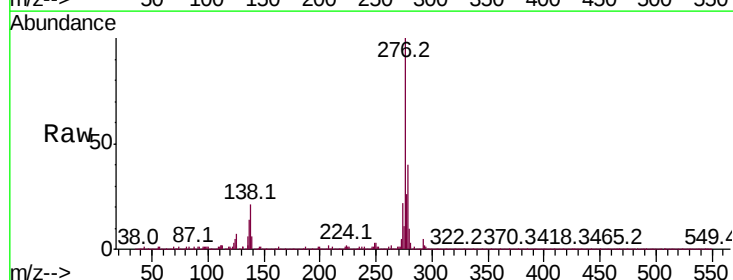
Delta R.T. 0.02 min

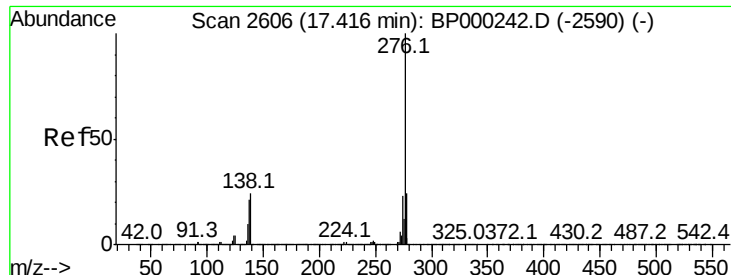
Lab File: BP000274.D

Acq: 17 Sep 2019 15:48

Tgt Ion: 278 Resp: 833746

Ion	Ratio	Lower	Upper
278	100		
139	16.1	14.5	21.7
279	26.0	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 73.854 ng
 RT: 17.46 min Scan# 2613
 Delta R.T. 0.04 min
 Lab File: BP000274.D
 Acq: 17 Sep 2019 15:48

Instrument :
 BNA_P
 ClientSampled :
 SB-10

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.1	28.7
138	21.6	19.5	29.3

Manual Integrations
 APPROVED

mohammad
 9/19/2019 4:46:12 PM

