

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
 Data File : BP000273.D
 Acq On : 17 Sep 2019 15:24
 Operator : HP/JU
 Sample : K4918-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-11

Manual Integrations
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Quant Time: Sep 18 08:03:41 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	298631	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	946030	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	503047	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	900624	20.00	ng	0.00
76) Chrysene-d12	14.00	240	672357	20.00	ng	0.00
87) Perylene-d12	15.49	264	615081	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1480458	85.58	ng	0.01
7) Phenol-d6	6.43	99	1853388	87.41	ng	0.00
23) Nitrobenzene-d5	7.35	82	868221	59.21	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	487398	97.68	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1993673	71.33	ng	0.00
79) Terphenyl-d14	12.93	244	2169210	67.68	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.09	128	97057	2.215	ng	100
49) Acenaphthylene	9.69	152	172950	3.941	ng	99
50) Dimethylphthalate	9.55	163	231649	6.759	ng	98
52) Acenaphthene	9.86	154	214244	7.737	ng	97
55) Dibenzofuran	10.04	168	218714	5.587	ng	96
58) Fluorene	10.38	166	177623	5.875	ng	99
71) Phenanthrene	11.36	178	4691210	103.943	ng	97
72) Anthracene	11.40	178	904681	19.474	ng	100
73) Carbazole	11.56	167	621208	14.848	ng	98
75) Fluoranthene	12.57	202	6398372	132.027	ng	94
78) Pyrene	12.80	202	5652512	112.368	ng	96
81) Benzo(a)anthracene	13.99	228	2990517	70.413	ng	97
83) Chrysene	14.03	228	2695210	64.633	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	1171279m	23.043	ng	
88) Benzo(b)fluoranthene	15.06	252	3044297m	82.966	ng	
89) Benzo(k)fluoranthene	15.09	252	1054939m	32.959	ng	
90) Benzo(a)pyrene	15.43	252	1920492	57.520	ng	97
91) Dibenzo(a,h)anthracene	16.99	278	295260	9.485	ng	95
92) Benzo(a,h,i)perylene	17.43	276	1060542	33.145	ng	96

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

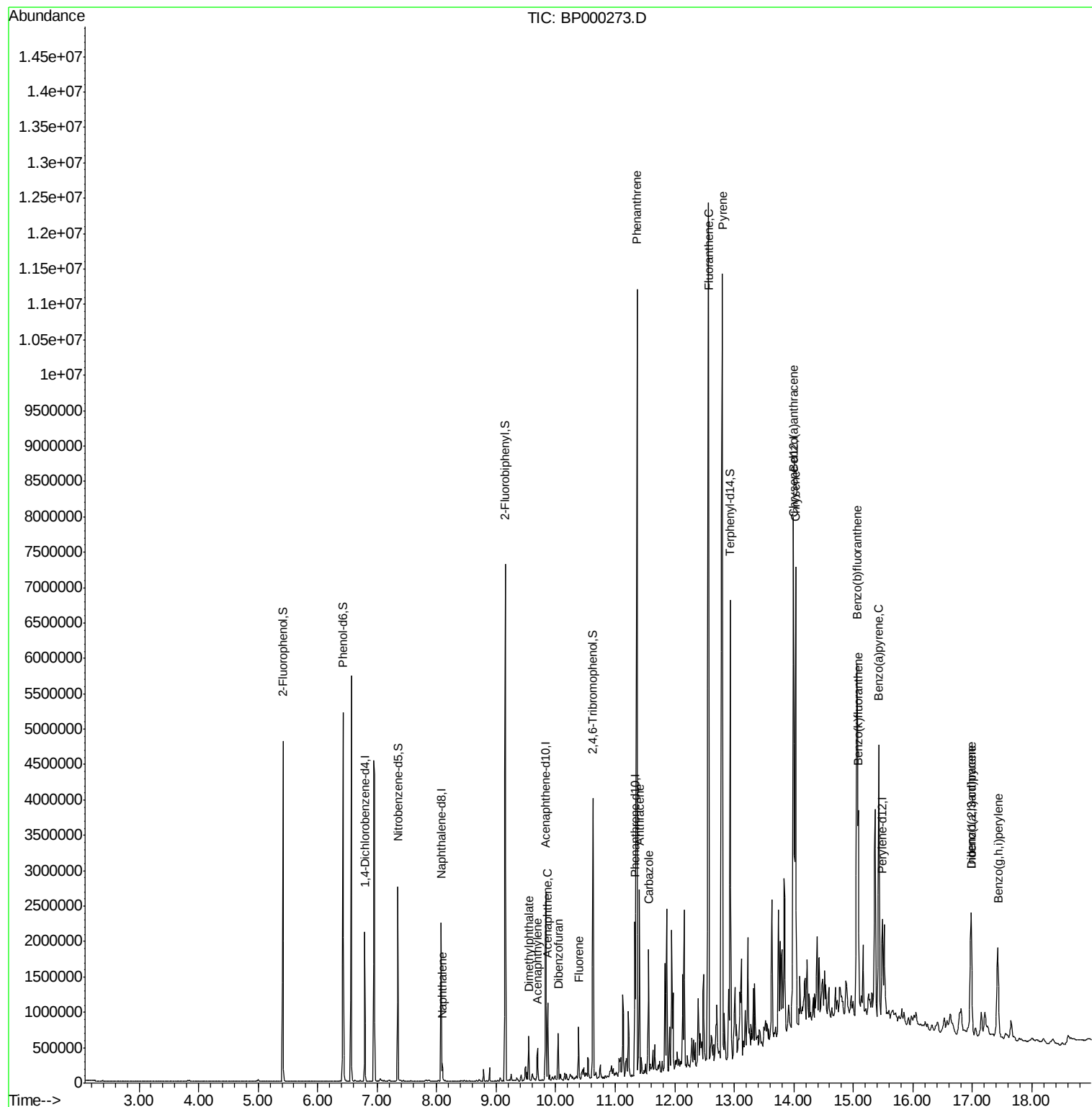
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000273.D
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ALS Vial : 13 Sample Multiplier: 1

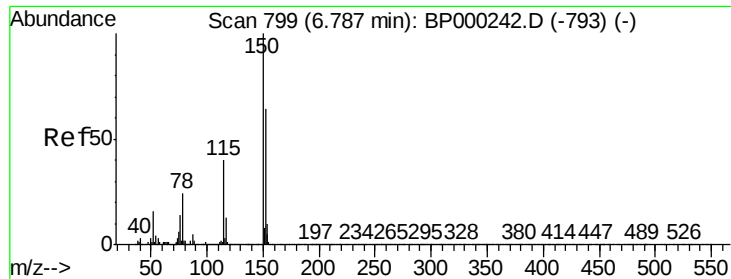
Instrument :
BNA_P
ClientSampled :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

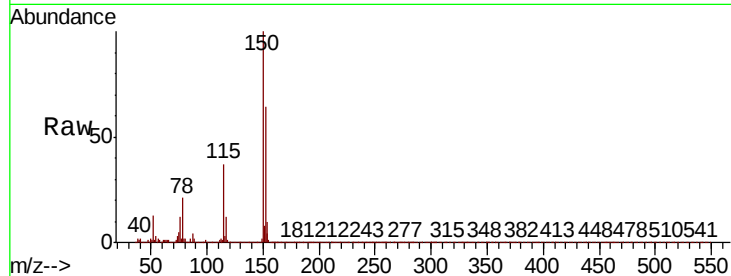
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Instrument :
BNA_P
ClientSampleId :
SB-11

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.2	187.8
115	58.4	49.7	74.5

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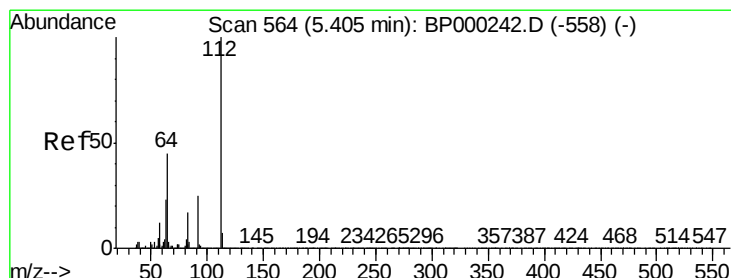
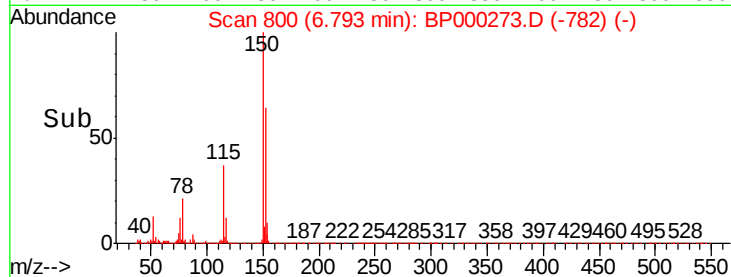
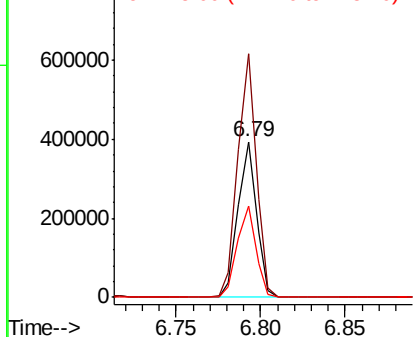


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

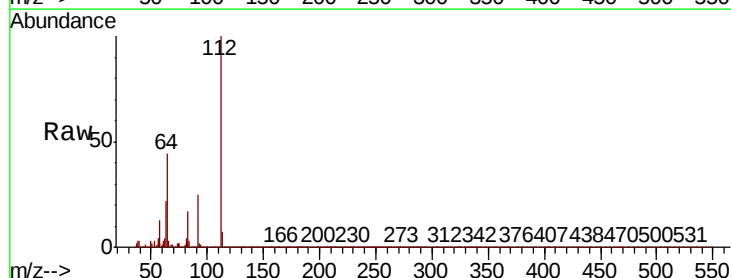
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 85.584 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.8	36.2	54.4
63	22.5	18.3	27.5

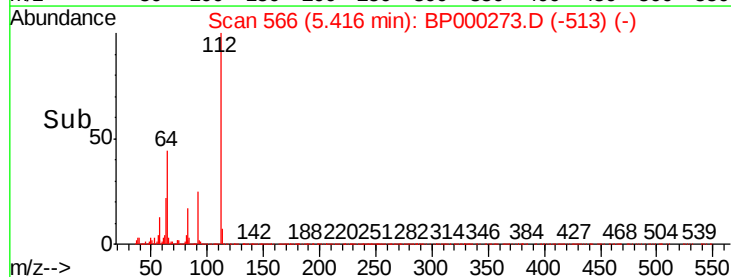
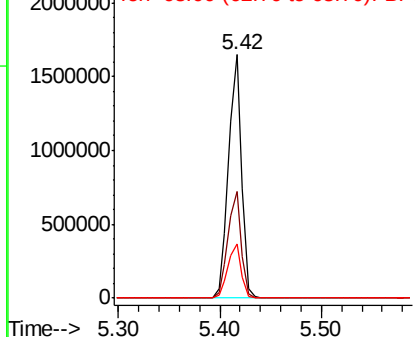


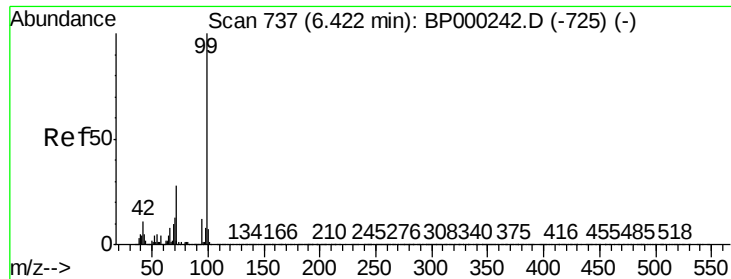
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 87.407 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000273.D

Acq: 17 Sep 2019 15:24

Instrument :

BNA_P

ClientSampled :

SB-11

Tot Ion: 99 Resp: 1853388

Ion Ratio Lower Upper

99 100

42 11.4 8.5 12.7

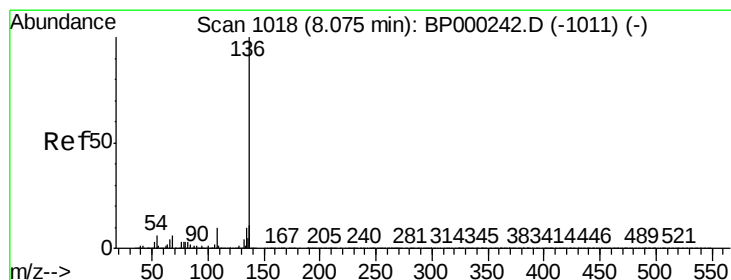
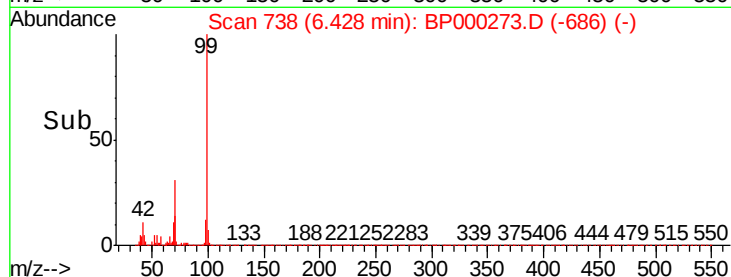
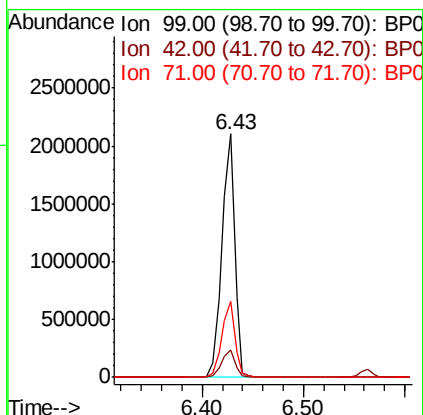
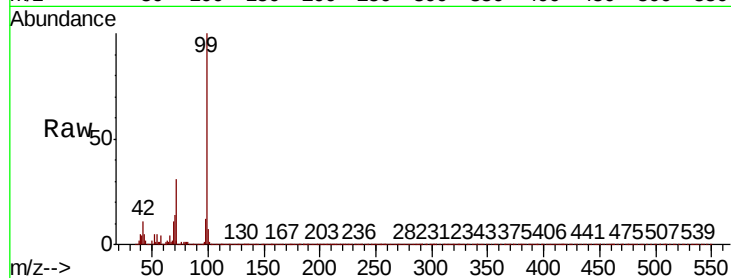
71 31.4 22.6 34.0

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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: BP000273.D

Acq: 17 Sep 2019 15:24

Tgt Ion: 136 Resp: 946030

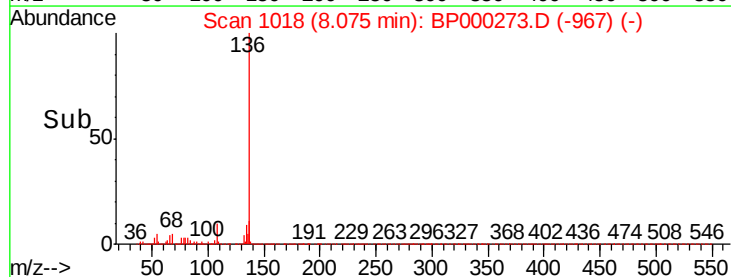
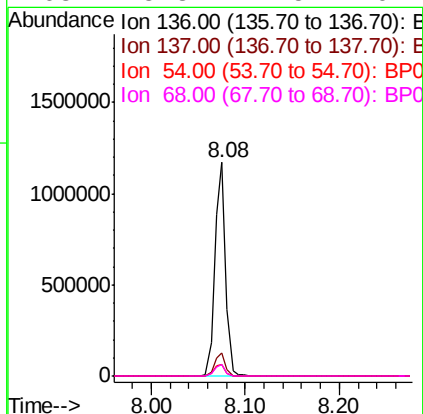
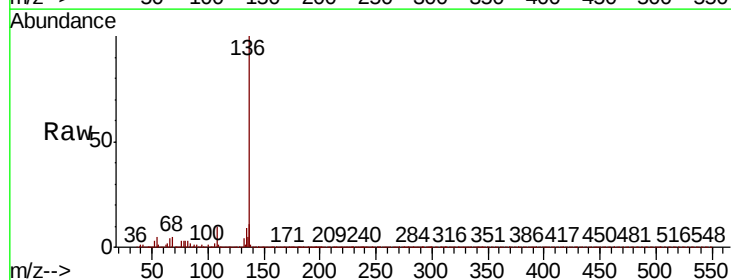
Ion Ratio Lower Upper

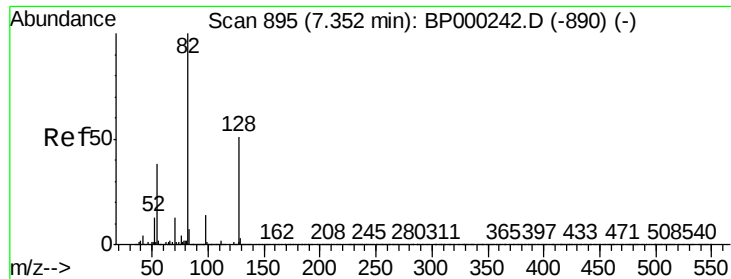
136 100

137 10.6 8.6 13.0

54 5.2 4.5 6.7

68 5.3 4.5 6.7





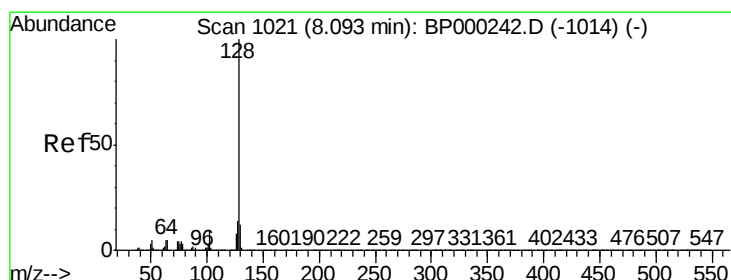
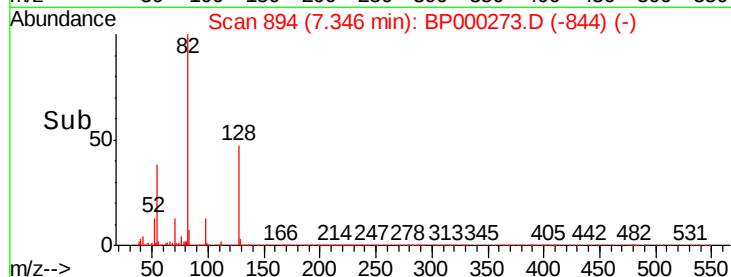
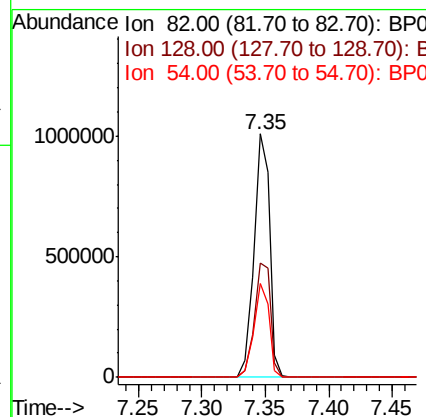
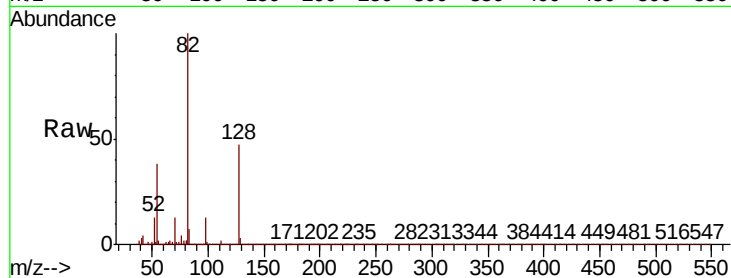
#23
 Nitrobenzene-d5
 Concen: 59.213 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BP000273.D
 Acq: 17 Sep 2019 15:24

Instrument :
 BNA_P
 ClientSampled :
 SB-11

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	40.7	61.1
54	38.5	30.1	45.1

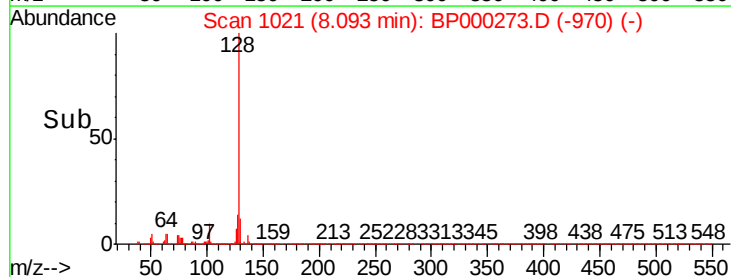
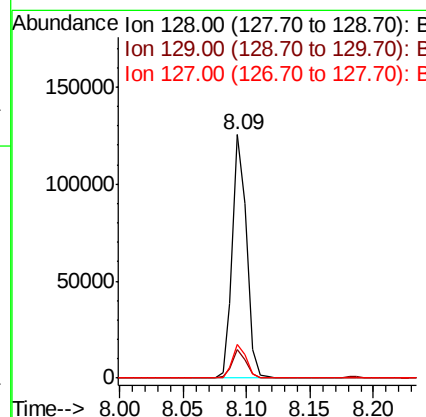
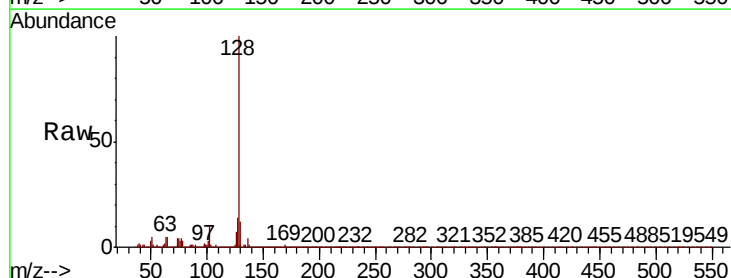
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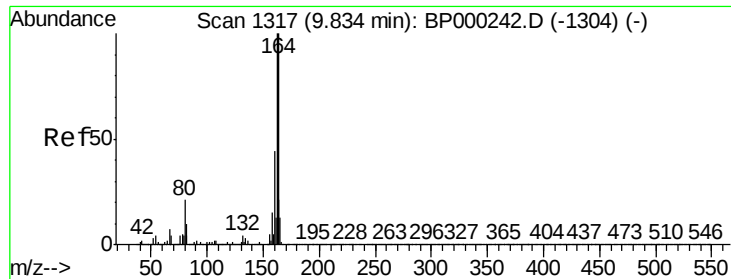
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#31
 Naphthalene
 Concen: 2.215 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. -0.00 min
 Lab File: BP000273.D
 Acq: 17 Sep 2019 15:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.8	11.0	16.6





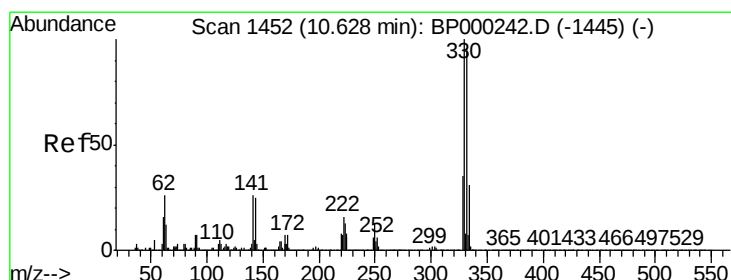
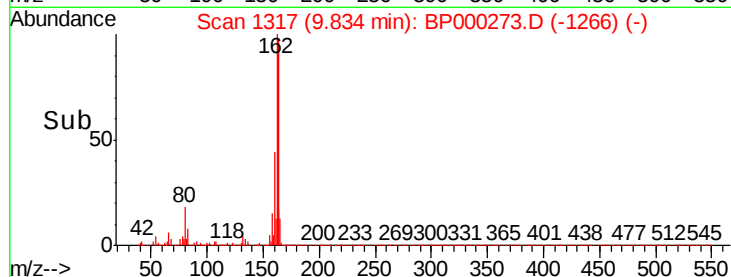
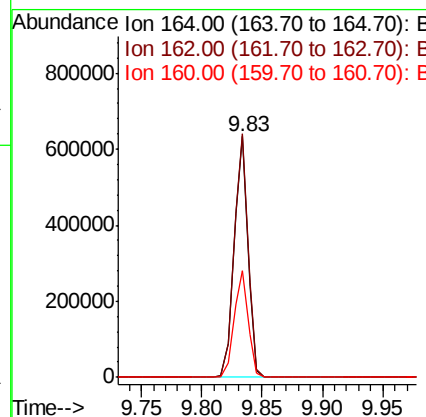
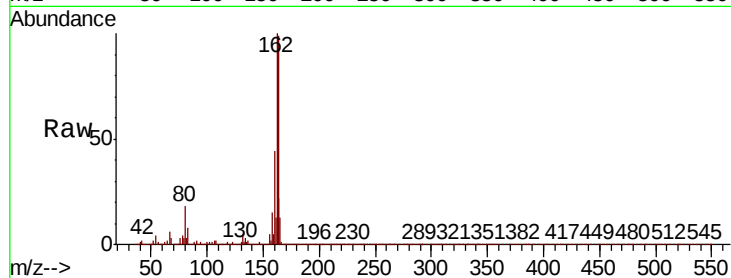
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Instrument :
BNA_P
ClientSampleId :
SB-11

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.3	79.9	119.9	
160	44.5	35.6	53.4	

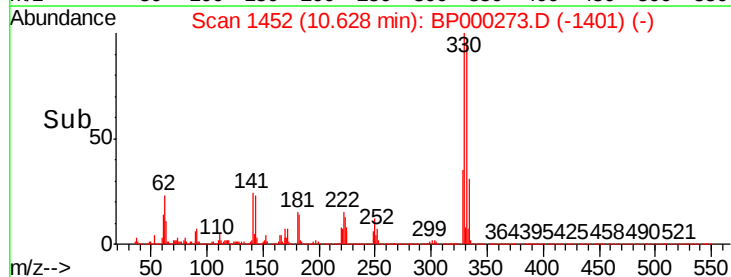
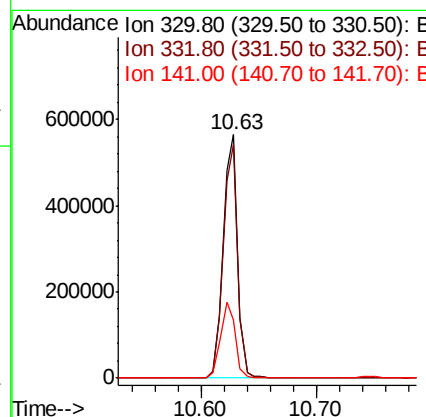
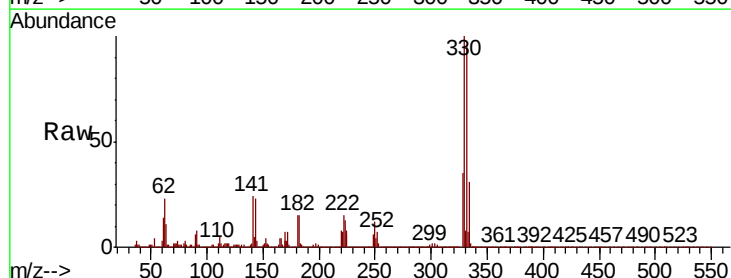
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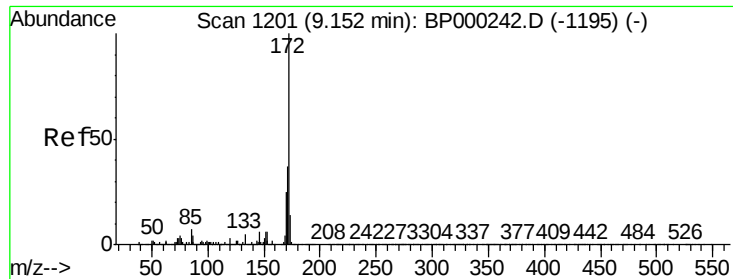
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#42
2,4,6-Tribromophenol
Concen: 97.684 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	76.6	115.0	
141	31.5	26.5	39.7	





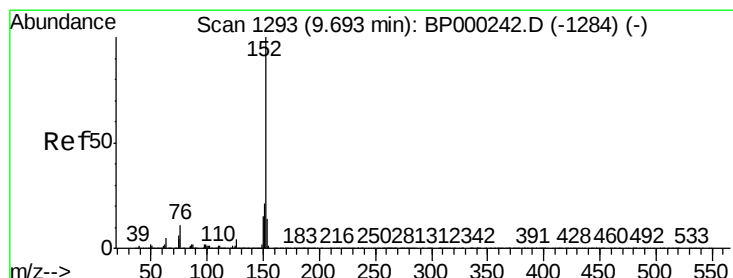
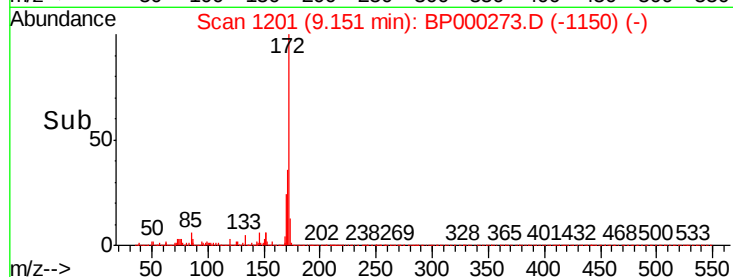
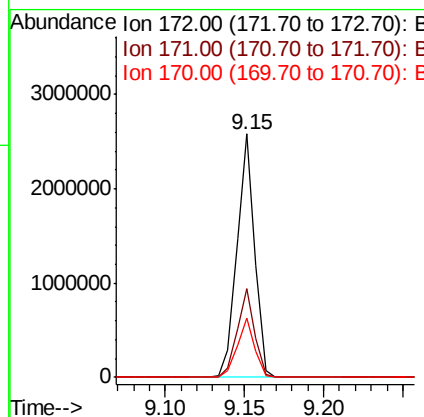
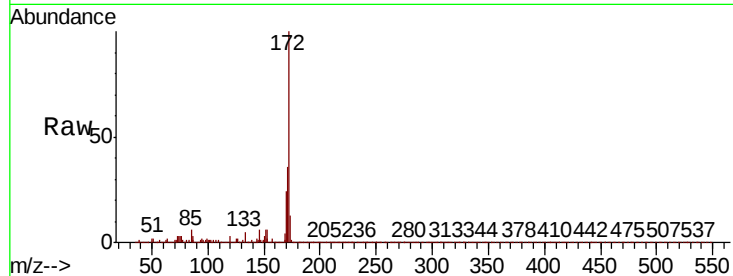
#45
2-Fluorobiphenyl
Concen: 71.330 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Instrument :
BNA_P
ClientSampleId :
SB-11

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.8	44.6
170	24.2	19.8	29.6

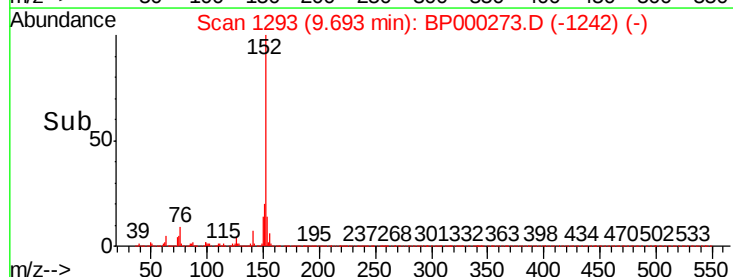
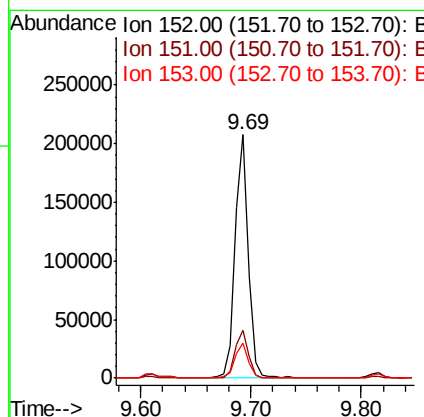
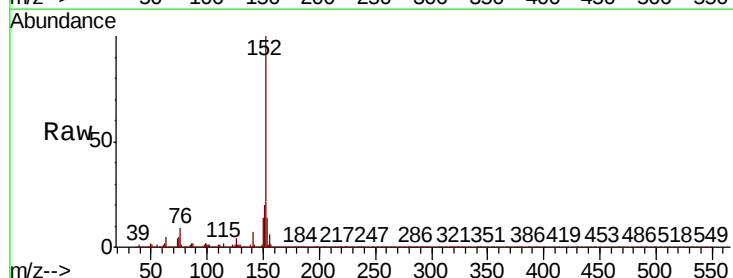
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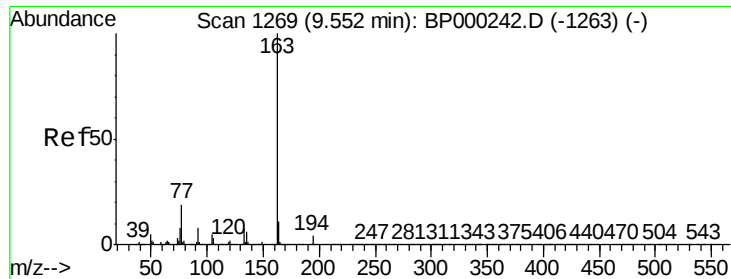
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#49
Acenaphthylene
Concen: 3.941 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.4	24.6
153	14.1	11.0	16.4





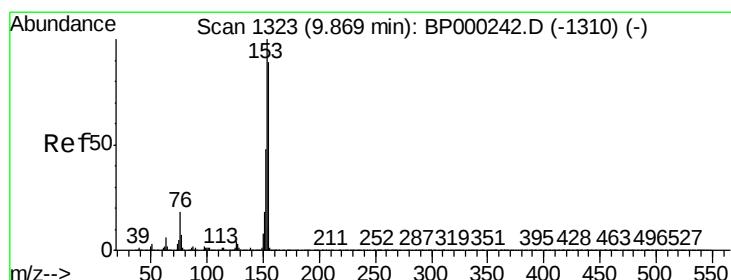
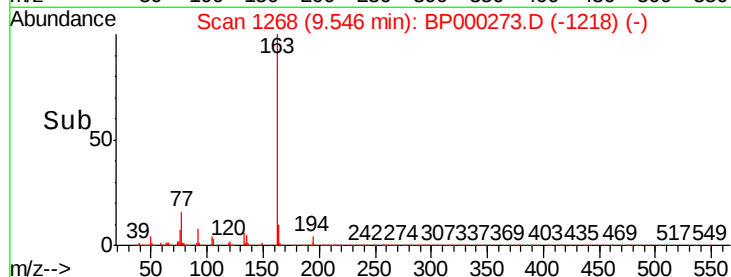
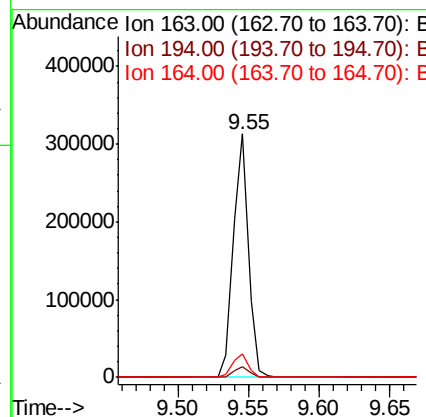
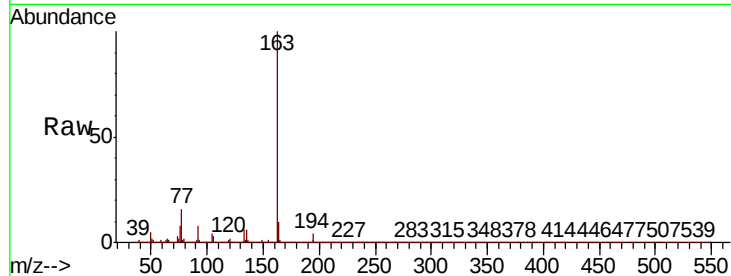
#50
Dimethylphthalate
Concen: 6.759 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Instrument :
BNA_P
ClientSampleId :
SB-11

Tot Ion	Ratio	Resp	Lower	Upper
163	100	231649		
194	4.3	3.4	5.0	
164	9.7	8.5	12.7	

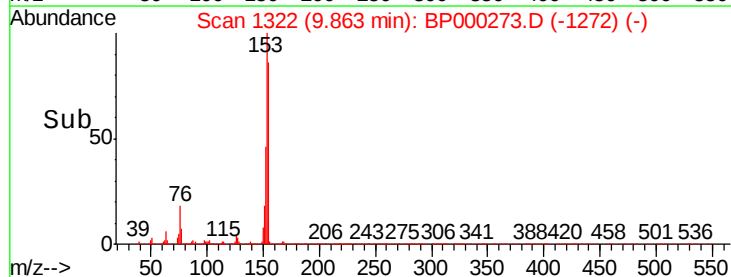
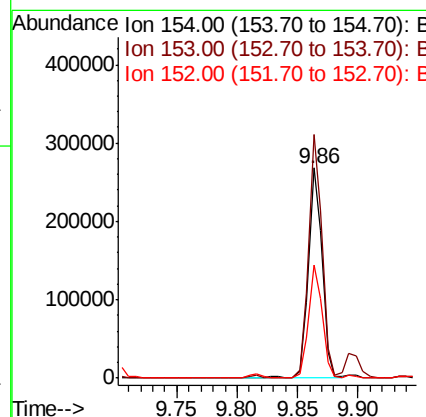
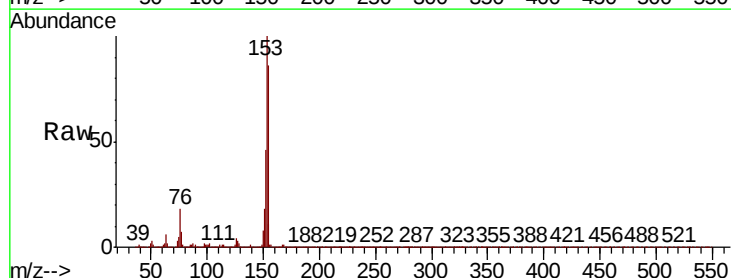
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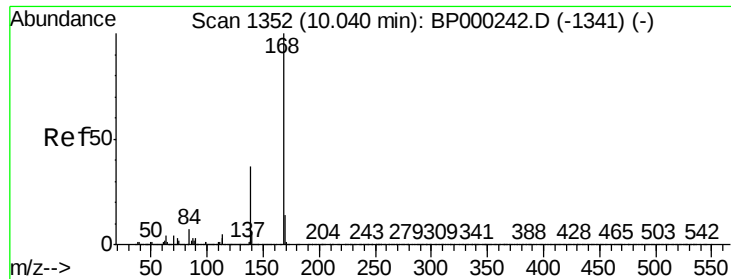
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#52
Acenaphthene
Concen: 7.737 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	214244		
153	116.0	89.8	134.6	
152	53.8	43.4	65.0	





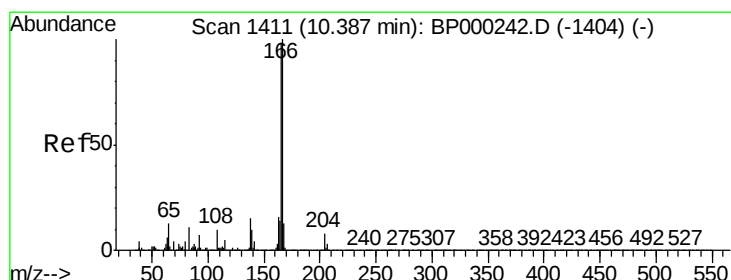
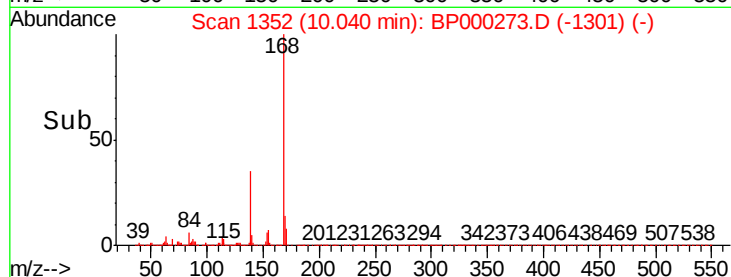
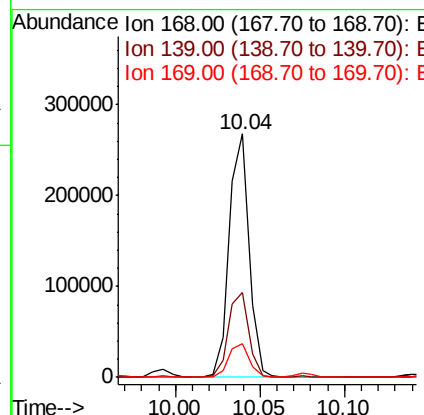
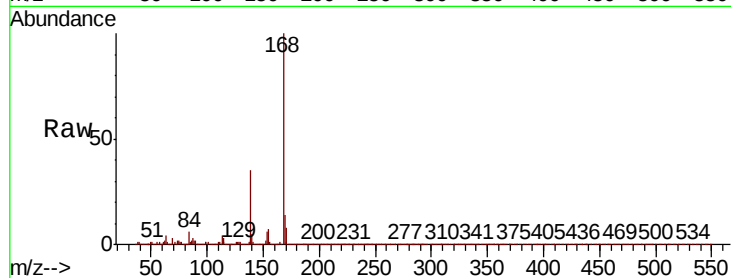
#55
Dibenzenofuran
Concen: 5.587 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.00 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Instrument :
BNA_P
ClientSampleId :
SB-11

Tot Ion	Ratio	Resp	Lower	Upper
168	100	218714		
139	34.8		30.0	45.0
169	14.1		11.0	16.6

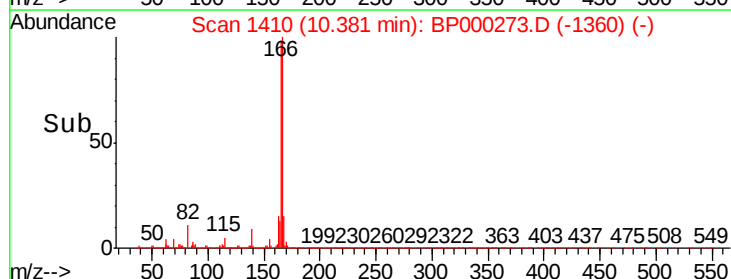
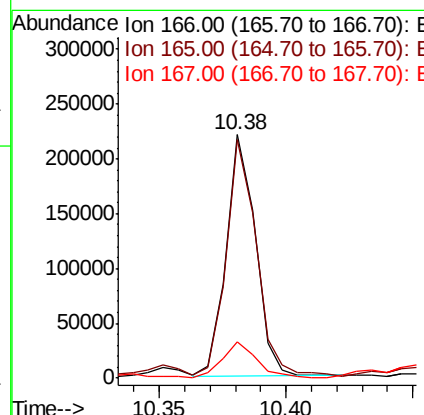
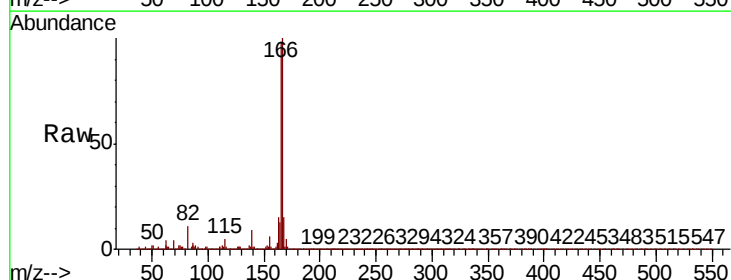
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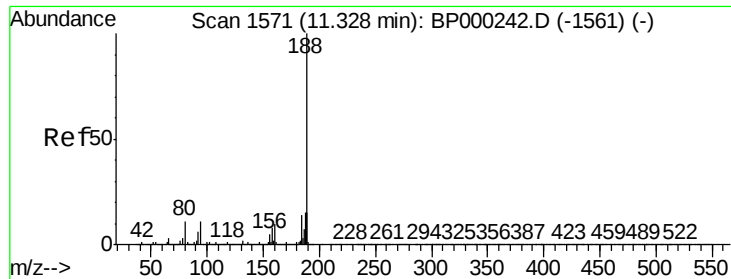
mohammad
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#58
Fluorene
Concen: 5.875 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	177623		
165	98.2		78.2	117.2
167	15.1		10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000273.D

Acq: 17 Sep 2019 15:24

Instrument :

BNA_P

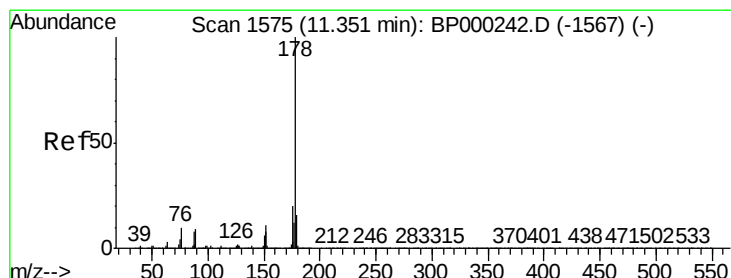
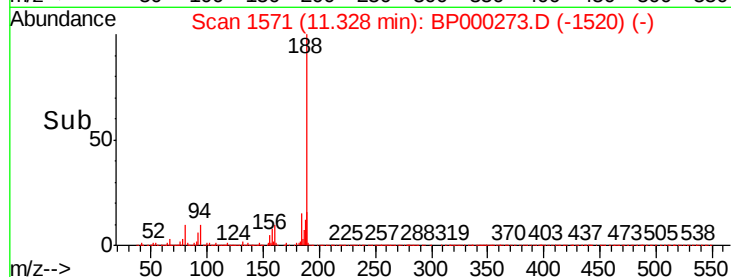
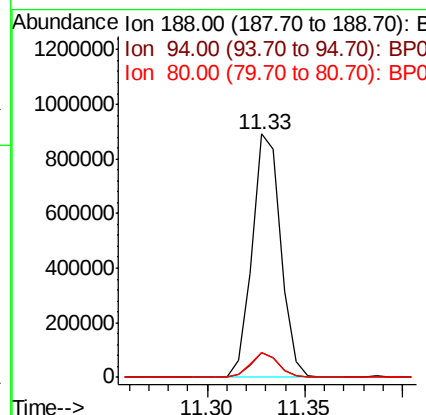
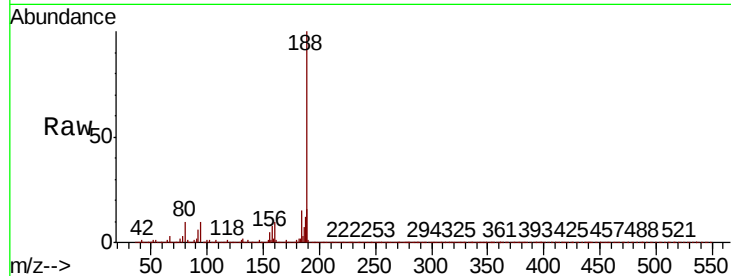
ClientSampleId :

SB-11

Tot Ion:	188	Resp:	900624
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.5	12.7
80	10.0	8.6	13.0

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#71

Phenanthrene

Concen: 103.943 ng

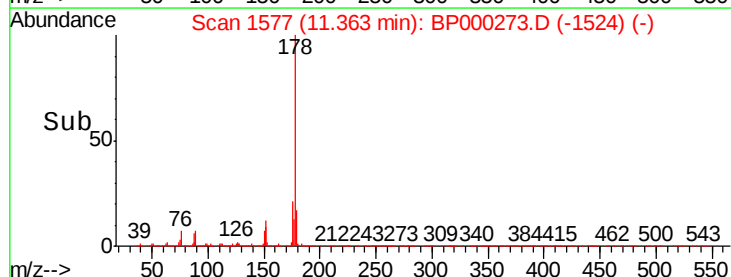
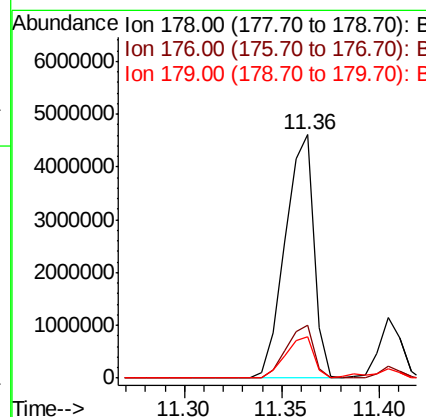
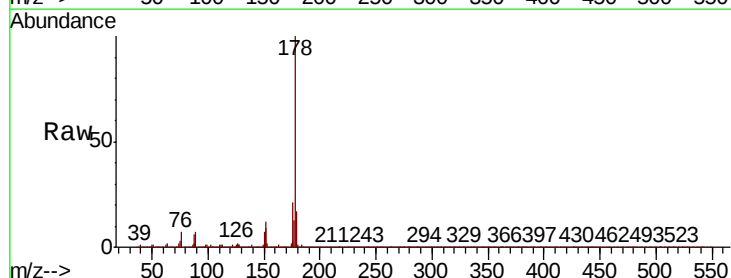
RT: 11.36 min Scan# 1577

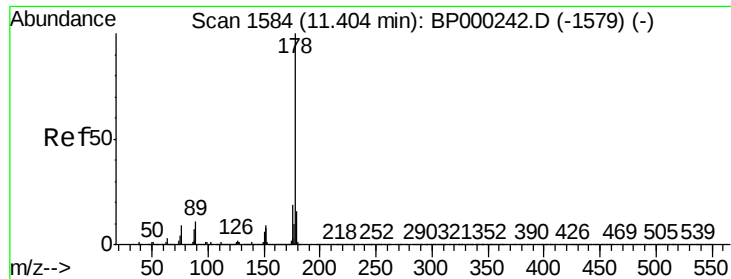
Delta R.T. 0.01 min

Lab File: BP000273.D

Acq: 17 Sep 2019 15:24

Tgt Ion:	178	Resp:	4691210
Ion Ratio	Lower	Upper	
178	100		
176	21.5	15.8	23.8
179	17.1	12.7	19.1





#72

Anthracene

Concen: 19.474 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BP000273.D

Acq: 17 Sep 2019 15:24

Instrument :

BNA_P

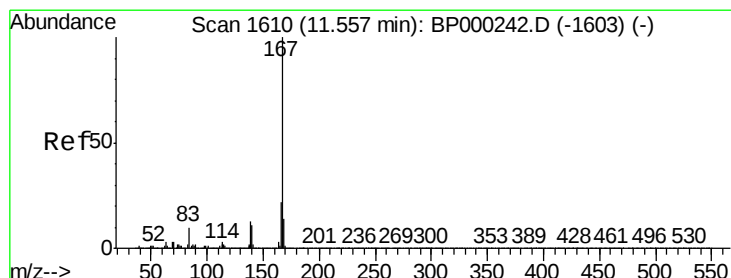
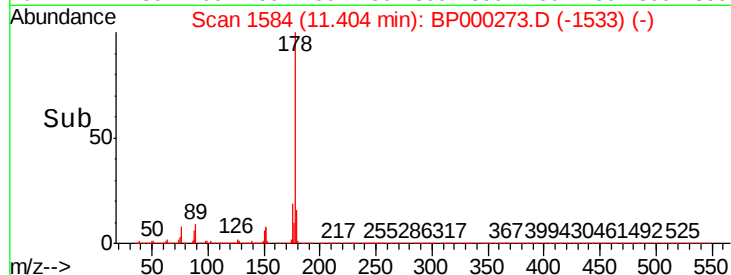
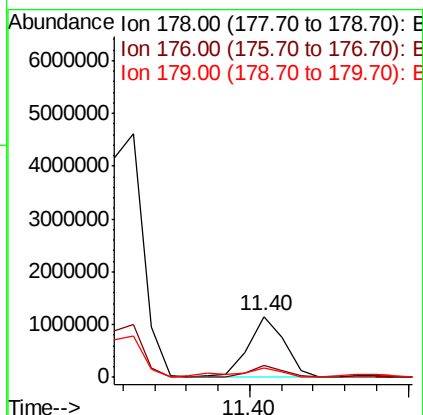
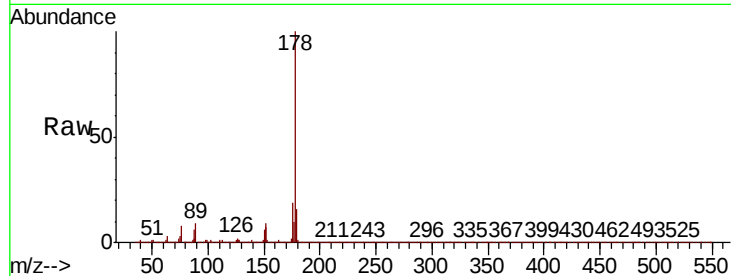
ClientSampled :

SB-11

Tot Ion:	178	Resp:	904681
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.4	23.0
179	15.7	12.7	19.1

Manual Integrations
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#73

Carbazole

Concen: 14.848 ng

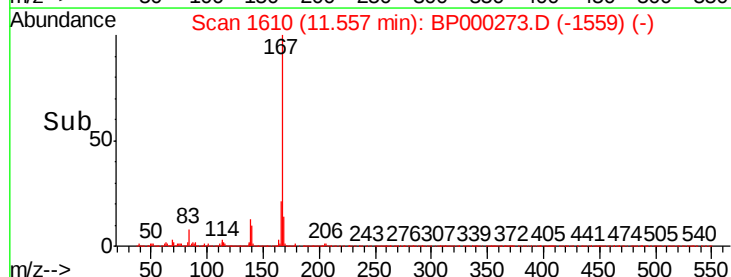
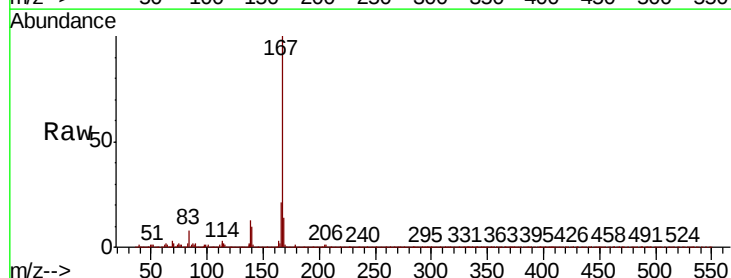
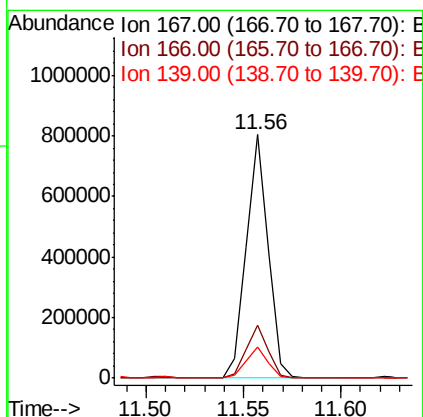
RT: 11.56 min Scan# 1610

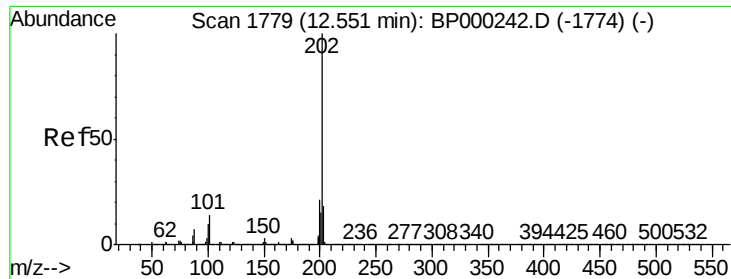
Delta R.T. -0.00 min

Lab File: BP000273.D

Acq: 17 Sep 2019 15:24

Tgt Ion:	167	Resp:	621208
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.8	26.8
139	12.8	10.8	16.2





#75

Fluoranthene

Concen: 132.027 ng

RT: 12.57 min Scan# 1782

Delta R.T. 0.02 min

Lab File: BP000273.D

Acq: 17 Sep 2019 15:24

Instrument :

BNA_P

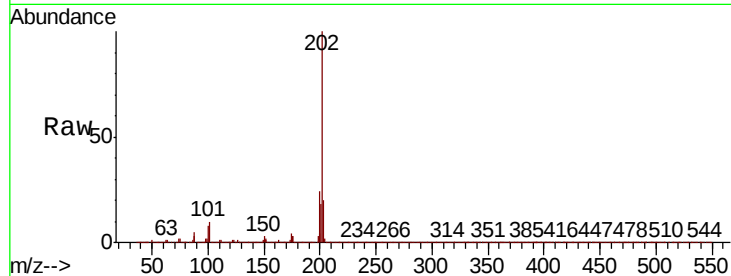
ClientSampleId :

SB-11

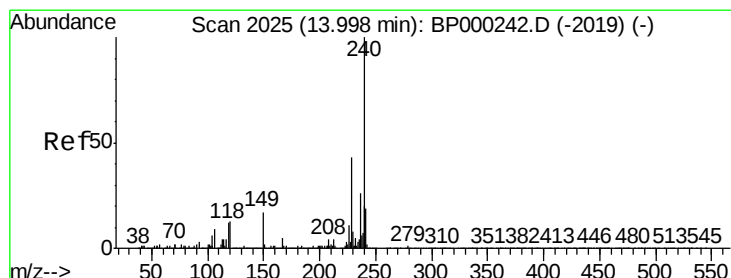
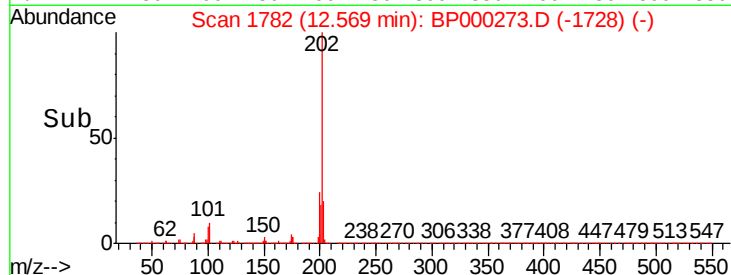
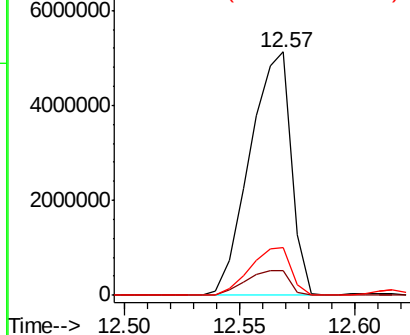
Tot Ion:	202	Resp:	6398372
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	33.9
203	19.8	0.0	38.0

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

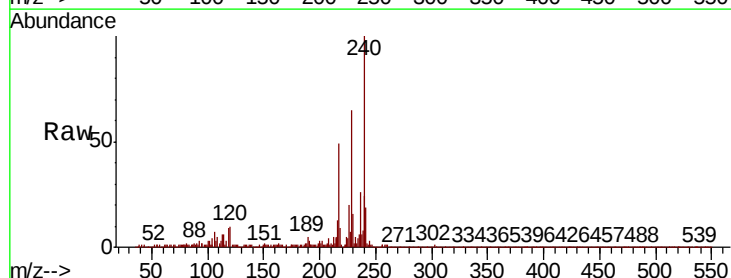
RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

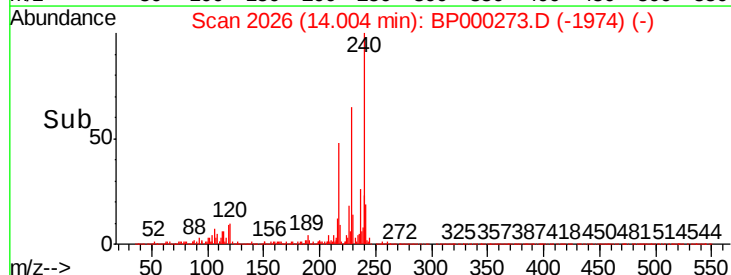
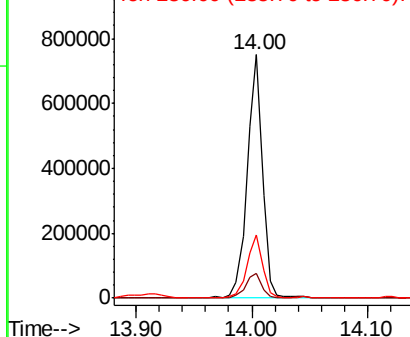
Lab File: BP000273.D

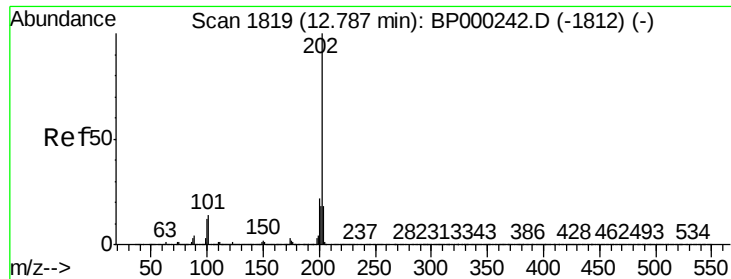
Acq: 17 Sep 2019 15:24

Tgt Ion:	240	Resp:	672357
Ion	Ratio	Lower	Upper
240	100		
120	10.2	10.4	15.6#
236	26.1	21.0	31.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





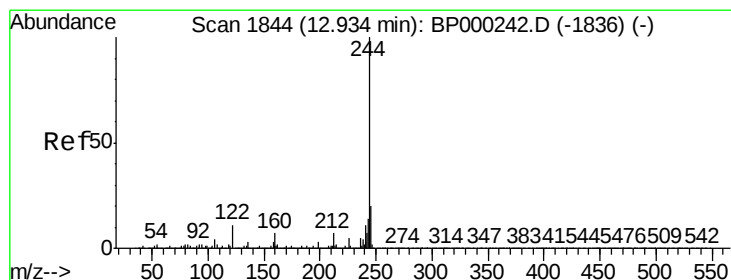
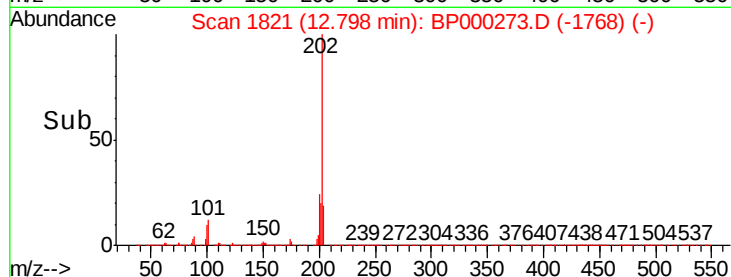
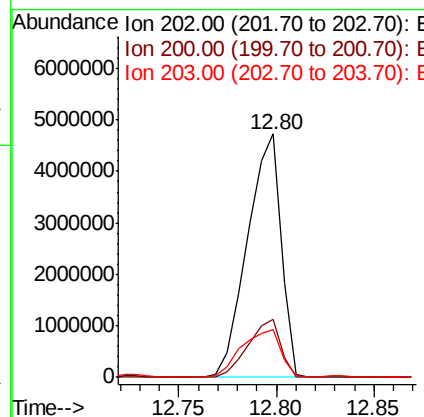
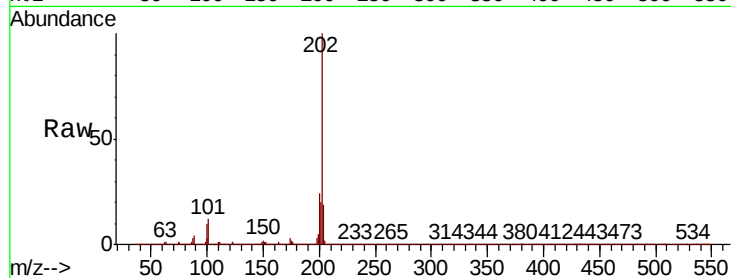
#78
Pvrene
Concen: 112.368 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.01 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Instrument :
BNA_P
ClientSampleId :
SB-11

Tot Ion	Ratio	Lower	Upper
202	100		
200	24.0	17.5	26.3
203	19.5	14.3	21.5

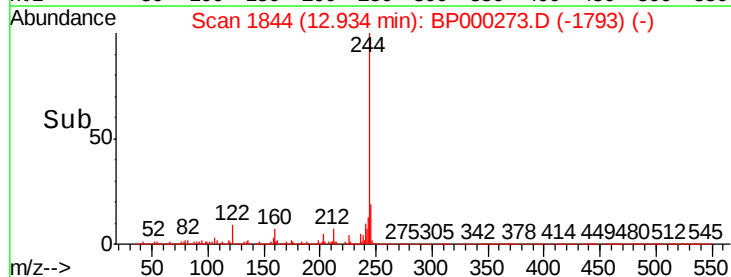
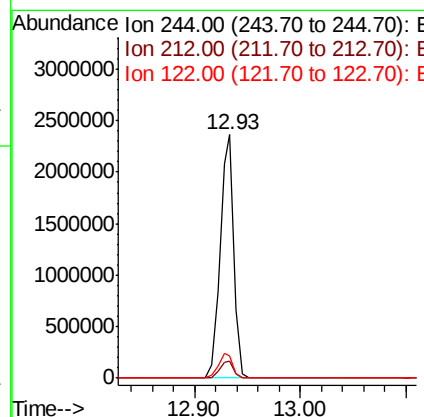
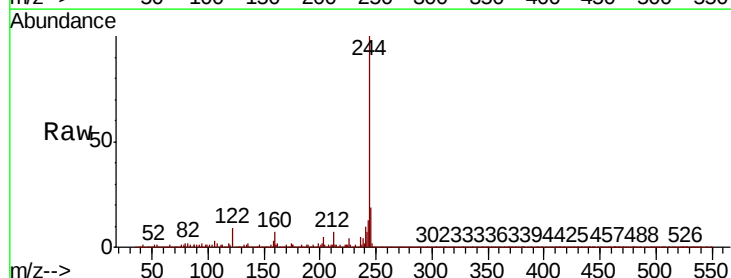
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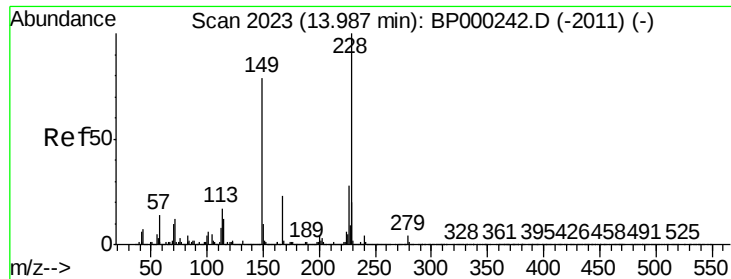
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#79
Terphenyl-d14
Concen: 67.682 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	9.4	9.0	13.4





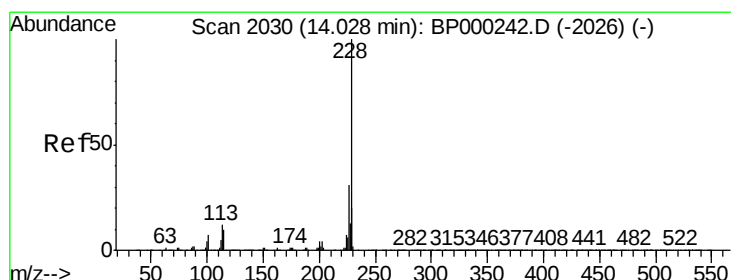
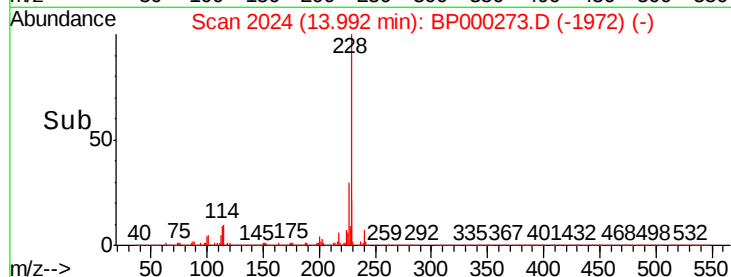
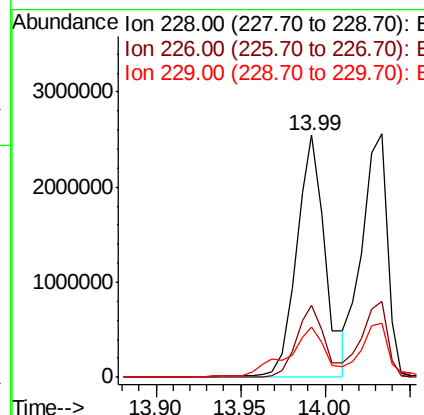
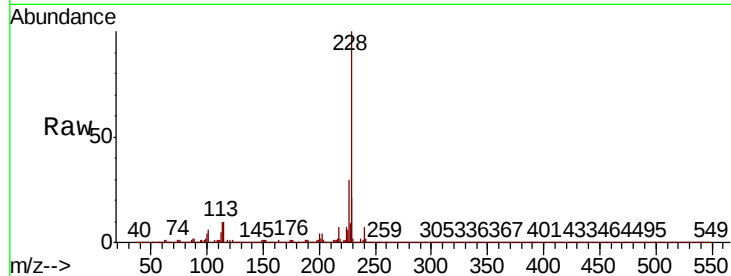
#81
Benzo(a)anthracene
Concen: 70.413 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Instrument :
BNA_P
ClientSampleId :
SB-11

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.2	33.4
229	20.8	16.0	24.0

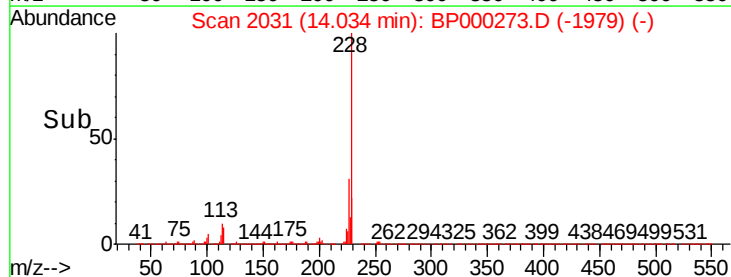
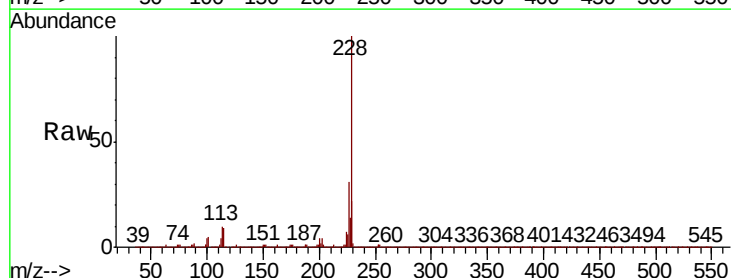
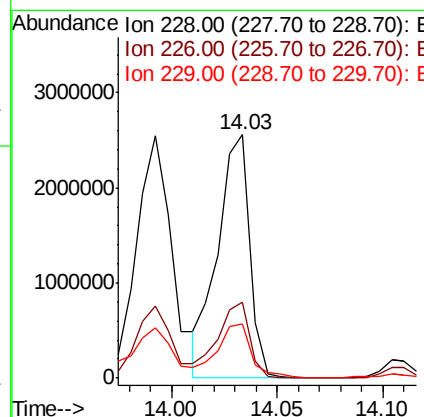
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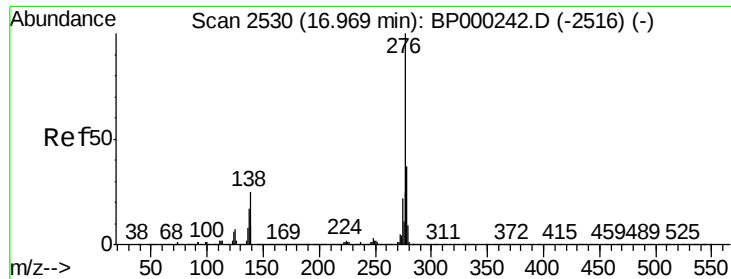
mohammad
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#83
Chrysene
Concen: 64.633 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	22.1	16.2	24.2





#86

Indeno(1,2,3-cd)pyrene

Concen: 23.043 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

Lab File: BP000273.D

Acq: 17 Sep 2019 15:24

Instrument :

BNA_P

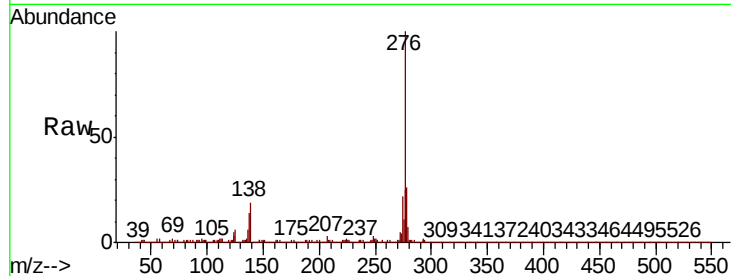
ClientSampleId :

SB-11

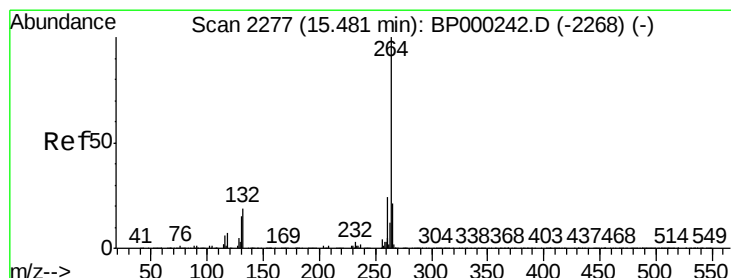
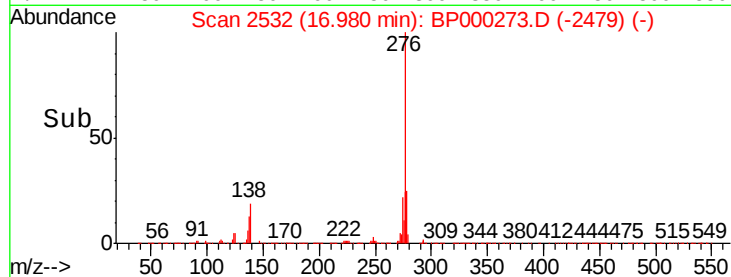
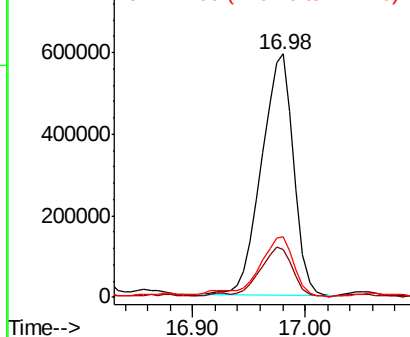
Tot Ion:	276	Resp:	1171279
Ion Ratio	Lower	Upper	
276	100		
138	4.1	22.6	33.8#
277	4.9	20.4	30.6#

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

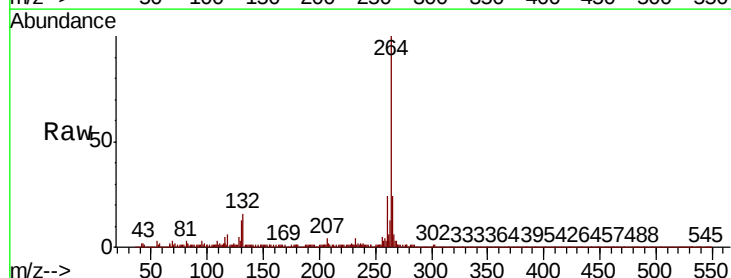
RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

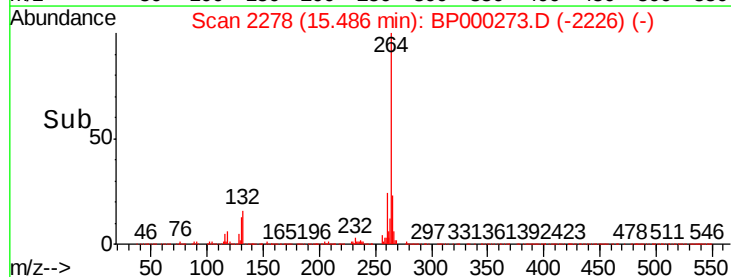
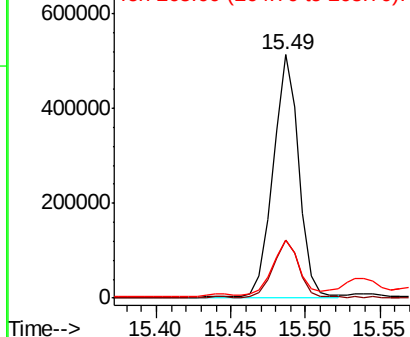
Lab File: BP000273.D

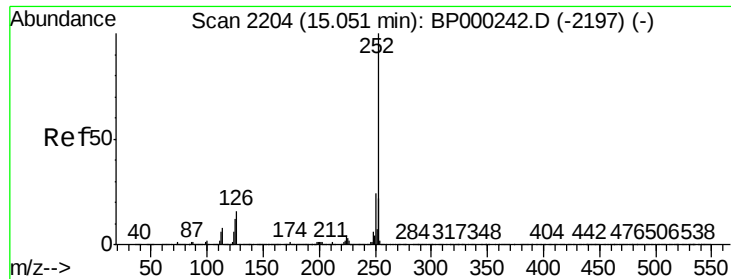
Acq: 17 Sep 2019 15:24

Tgt Ion:	264	Resp:	615081
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.9	28.3
265	23.6	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





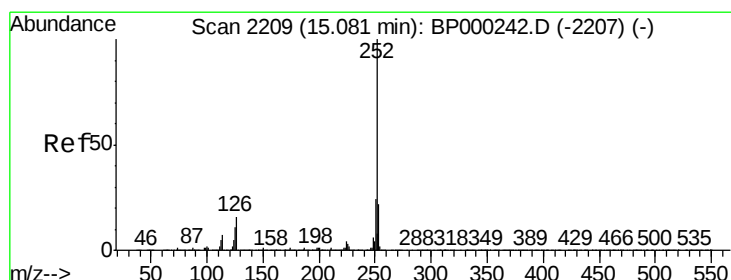
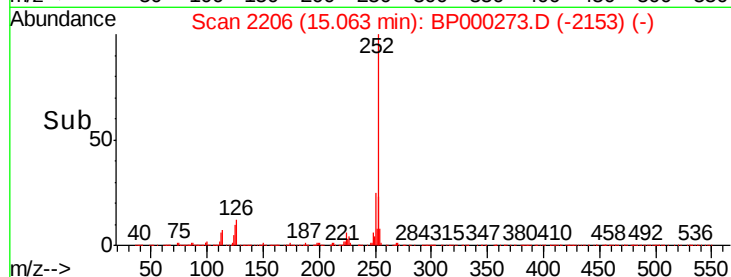
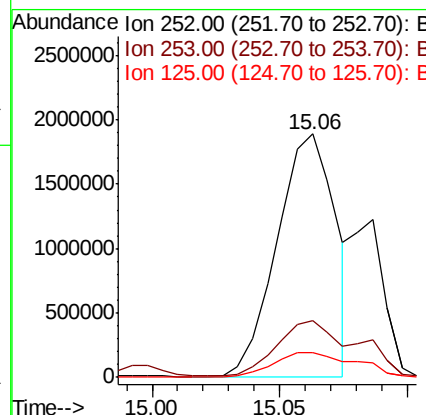
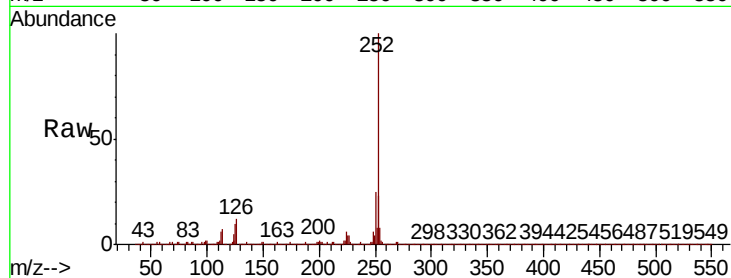
#88
Benzo(b)fluoranthene
Concen: 82.966 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Instrument :
BNA_P
Client Sampled :
SB-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	10.3	9.5	14.3

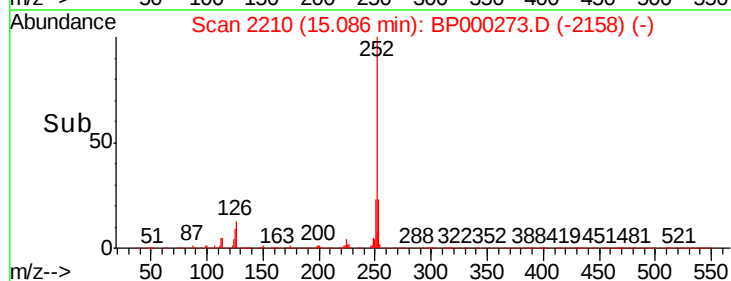
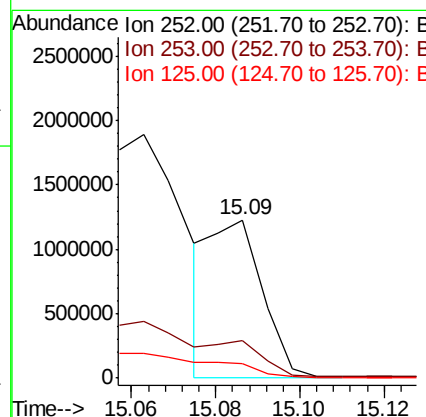
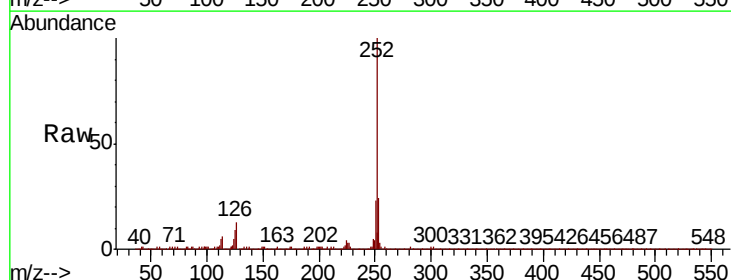
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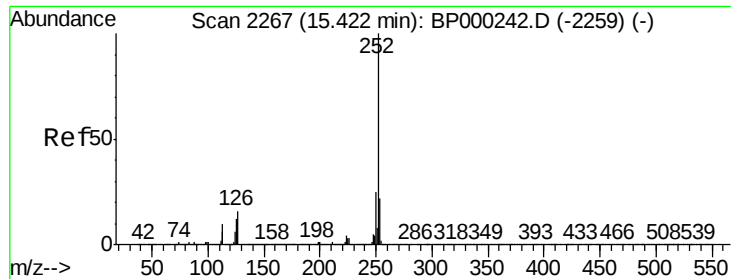
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#89
Benzo(k)fluoranthene
Concen: 32.959 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	9.3	9.6	14.4





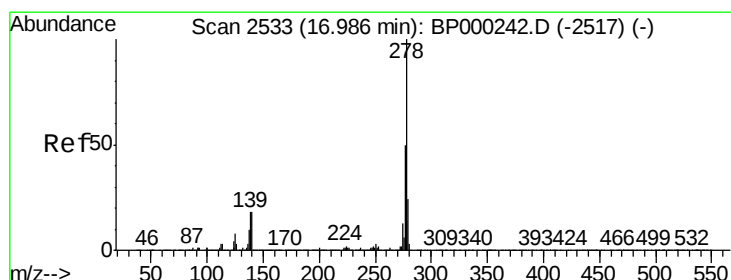
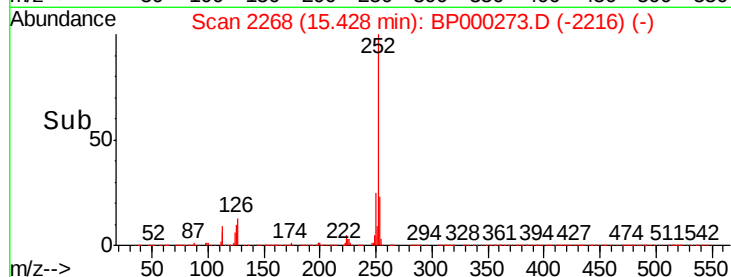
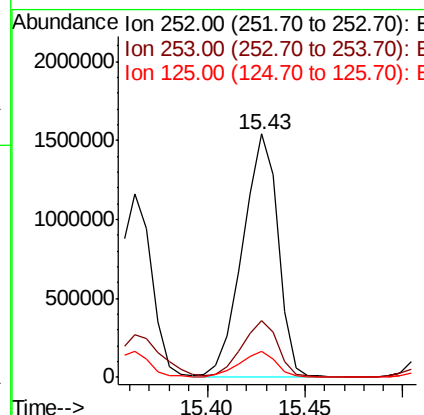
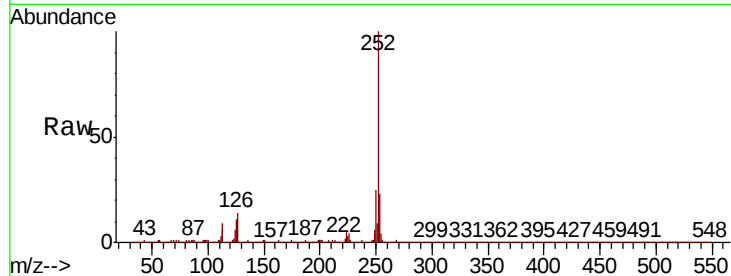
#90
Benzo(a)pyrene
Concen: 57.520 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Instrument :
BNA_P
ClientSampleId :
SB-11

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	10.8	10.0	15.0

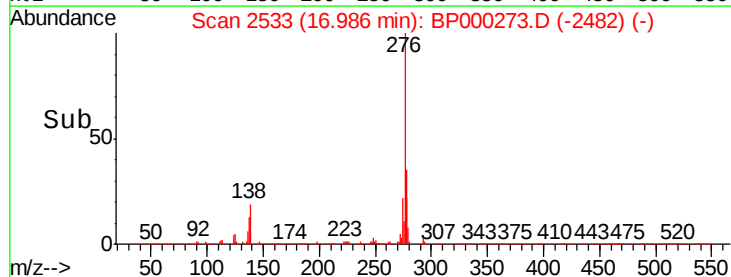
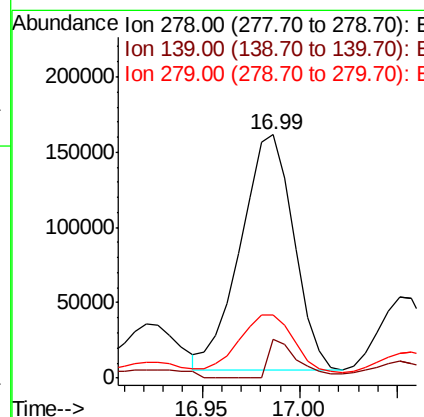
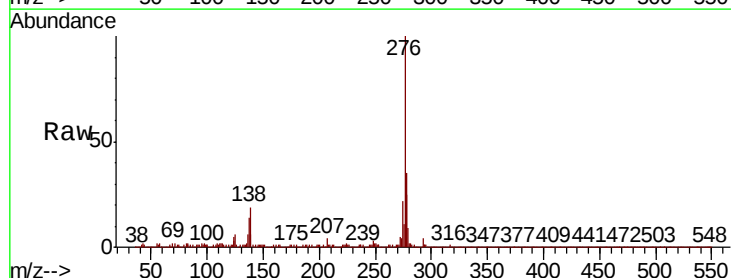
Manual Integrations
APPROVED

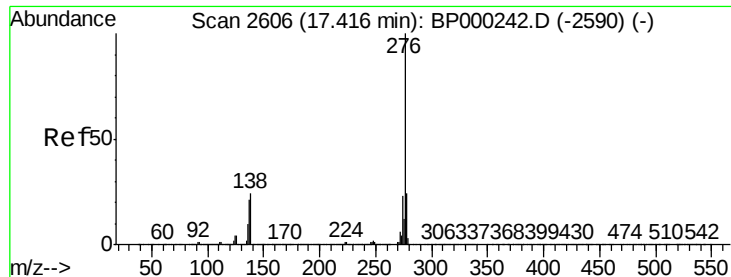
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 9.485 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.00 min
Lab File: BP000273.D
Acq: 17 Sep 2019 15:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.2	14.5	21.7
279	26.1	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 33.145 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.01 min
 Lab File: BP000273.D
 Acq: 17 Sep 2019 15:24

Instrument :
 BNA_P
 ClientSampleId :
 SB-11

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	20.1	19.5	29.3

Manual Integrations
 APPROVED

mohammad
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