

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
 Data File : BP000272.D
 Acq On : 17 Sep 2019 15:00
 Operator : HP/JU
 Sample : K4846-06DL 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-22-COMPDL

Manual Integrations
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Quant Time: Sep 18 09:25:10 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	329468	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1191059	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	627071	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1093289	20.00	ng	0.00
76) Chrysene-d12	14.00	240	861975	20.00	ng	0.00
87) Perylene-d12	15.49	264	785716	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	788145	41.30	ng	0.00
7) Phenol-d6	6.42	99	1012003	43.26	ng	0.00
23) Nitrobenzene-d5	7.35	82	451869	24.48	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	271029	43.58	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1272917	36.54	ng	0.00
79) Terphenyl-d14	12.93	244	1356800	33.02	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.10	128	2005295	36.353	ng	100
37) 2-Methylnaphthalene	8.79	142	1976343	52.410	ng	99
38) 1-Methylnaphthalene	8.89	142	1762011	49.882	ng	100
46) 1,1'-Biphenyl	9.25	154	223397	5.150	ng	99
49) Acenaphthylene	9.69	152	440587	8.055	ng	# 88
50) Dimethylphthalate	9.55	163	101404	2.374	ng	# 98
52) Acenaphthene	9.87	154	260280	7.540	ng	93
55) Dibenzofuran	10.04	168	133767	2.741	ng	# 47
58) Fluorene	10.39	166	909752	24.137	ng	98
71) Phenanthrene	11.36	178	3819409	69.713	ng	98
72) Anthracene	11.40	178	887475	15.737	ng	99
75) Fluoranthene	12.56	202	1912211	32.504	ng	97
78) Pylene	12.79	202	3227024	50.039	ng	99
81) Benzo(a)anthracene	13.99	228	1183411	21.734	ng	# 89
83) Chrysene	14.03	228	1296283	24.247	ng	# 96
86) Indeno(1,2,3-cd)pyrene	16.97	276	236354	3.627	ng	94
88) Benzo(b)fluoranthene	15.05	252	656852m	14.013	ng	
89) Benzo(k)fluoranthene	15.07	252	185757m	4.543	ng	
90) Benzo(a)pyrene	15.42	252	645710	15.140	ng	97
91) Dibenzo(a,h)anthracene	16.97	278	83137	2.091	ng	# 76
92) Benzo(g,h,i)perylene	17.42	276	260737	6.379	ng	96

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

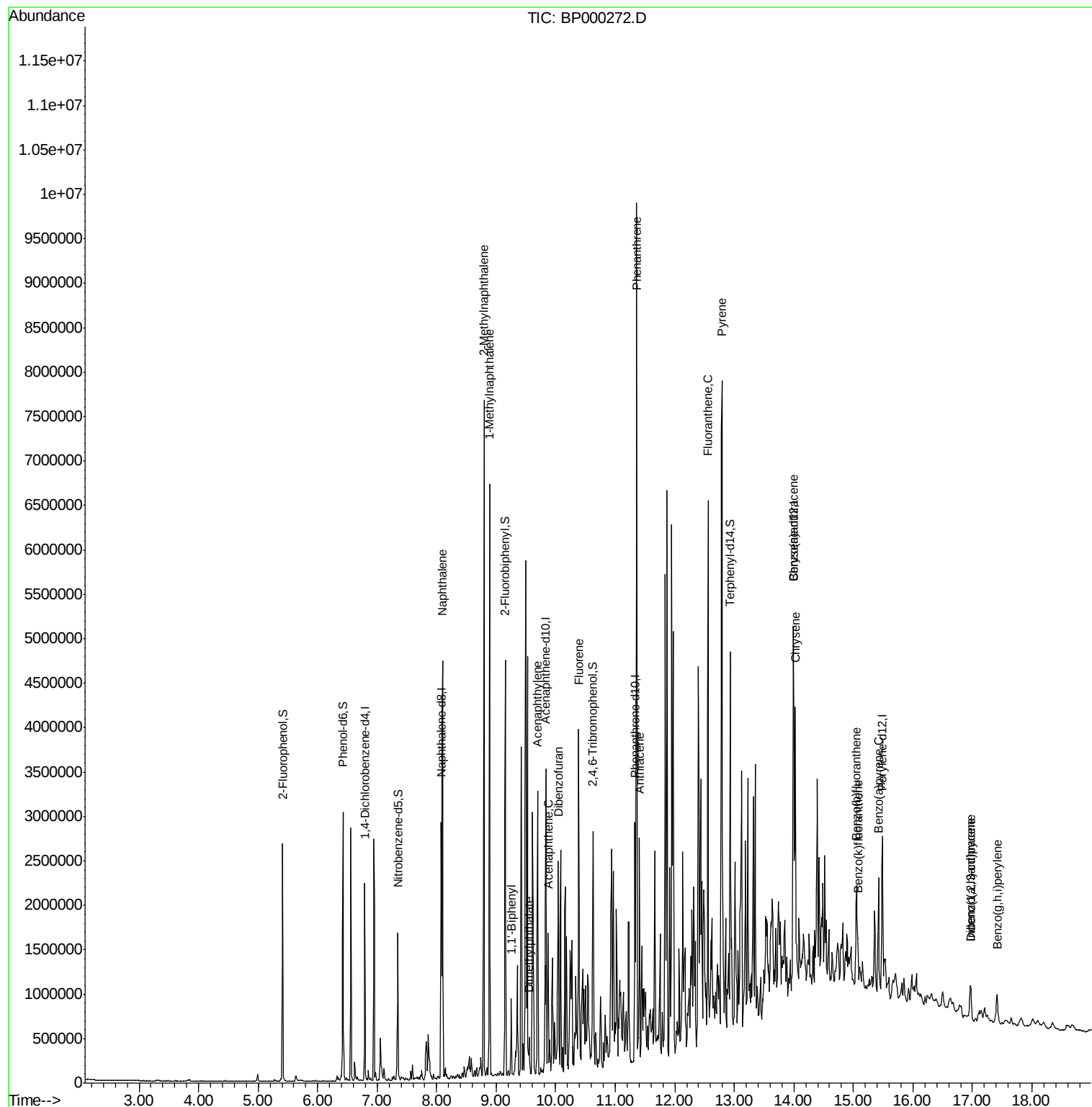
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000272.D
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ALS Vial : 12 Sample Multiplier: 1

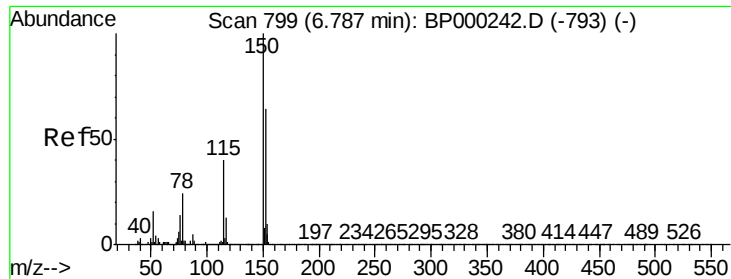
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#1

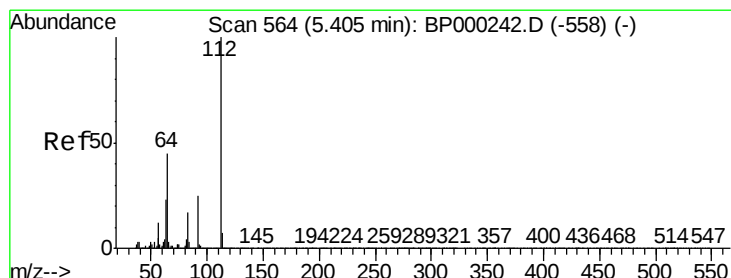
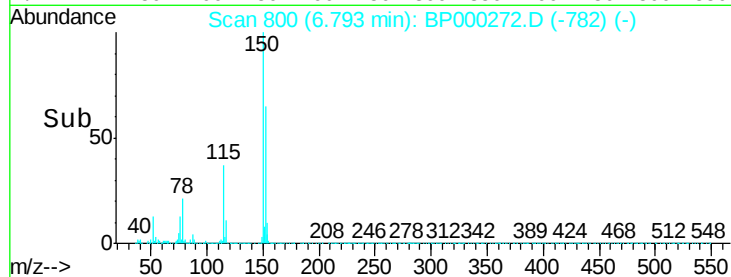
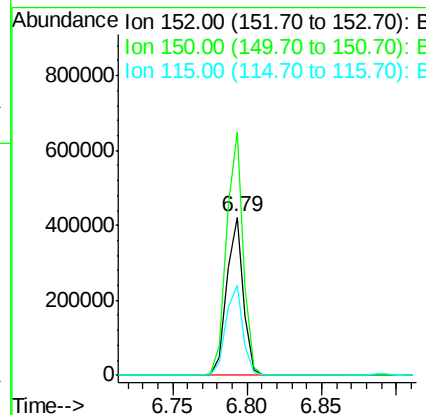
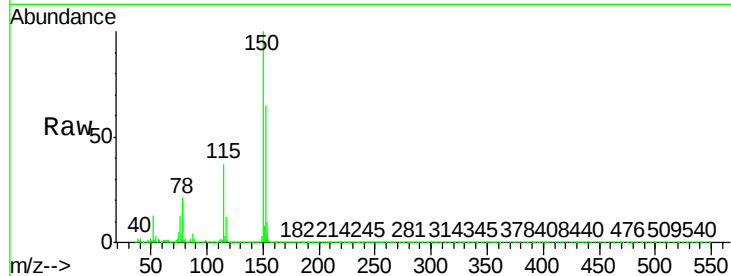
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Instrument :
BNA_P
ClientSampleId :
SB-22-COMPDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	125.2	187.8
115	56.9	49.7	74.5

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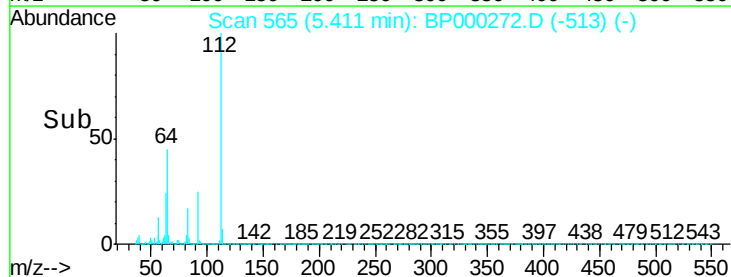
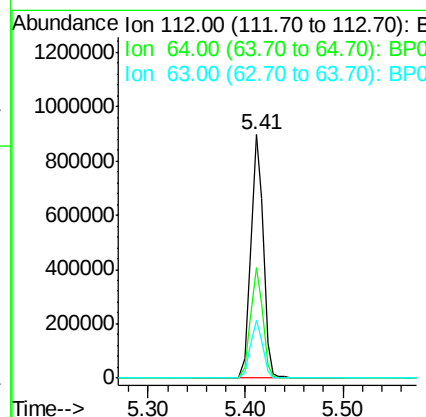
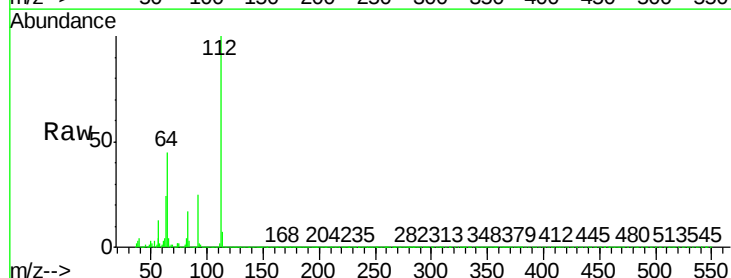
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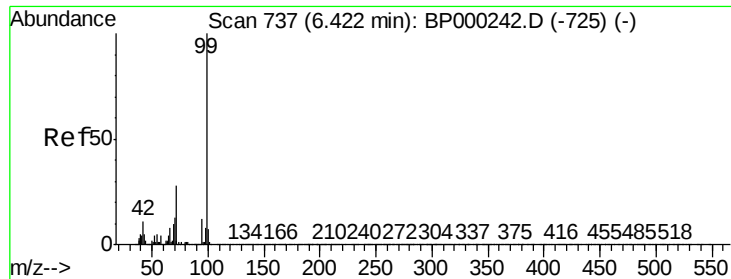


#5

2-Fluorophenol
Concen: 41.297 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.3	36.2	54.4
63	23.6	18.3	27.5





#7

Phenol-d6

Concen: 43.260 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BP000272.D

Acq: 17 Sep 2019 15:00

Instrument :

BNA_P

ClientSampleId :

SB-22-COMPDL

Tot Ion: 99 Resp: 1012003

Ion Ratio Lower Upper

99 100

42 11.5 8.5 12.7

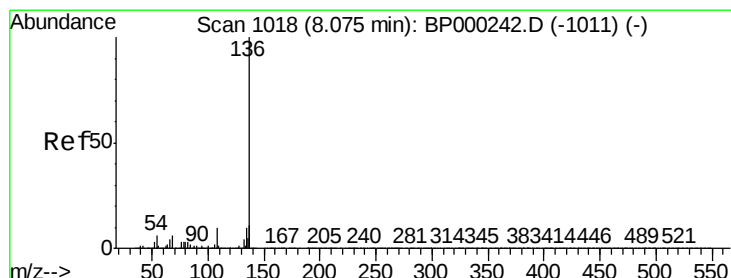
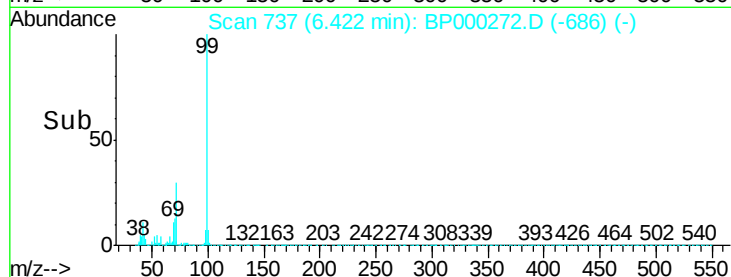
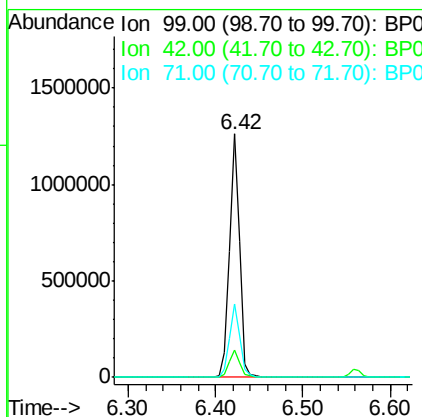
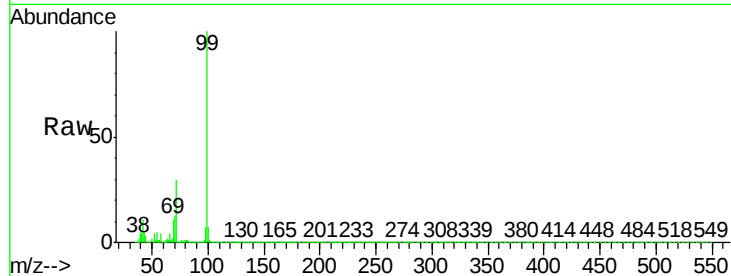
71 30.3 22.6 34.0

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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: BP000272.D

Acq: 17 Sep 2019 15:00

Tgt Ion: 136 Resp: 1191059

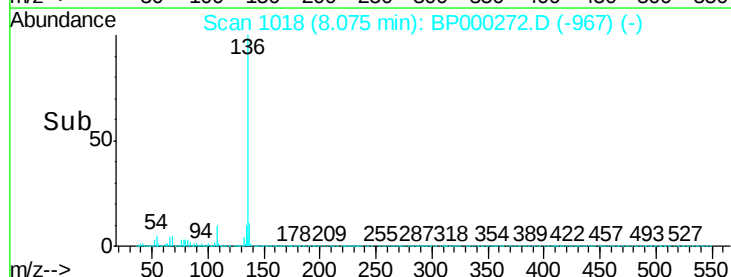
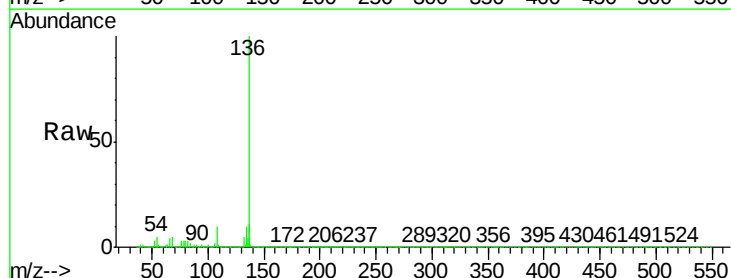
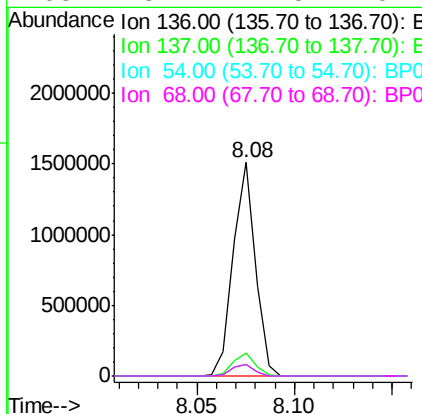
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 5.3 4.5 6.7

68 5.4 4.5 6.7





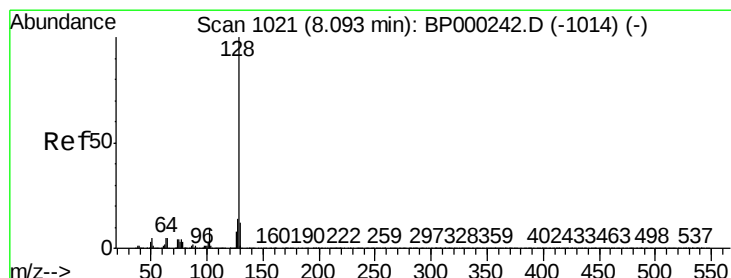
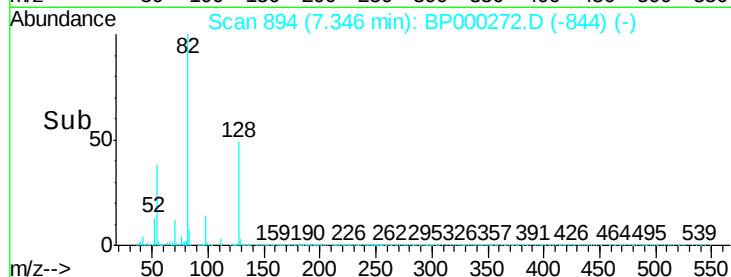
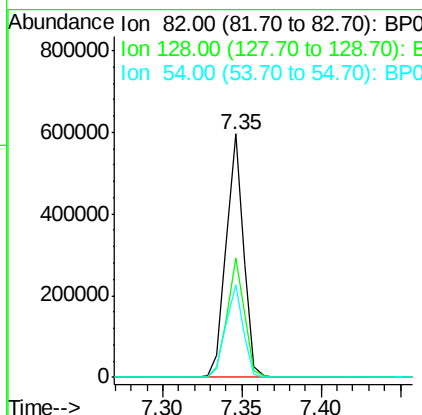
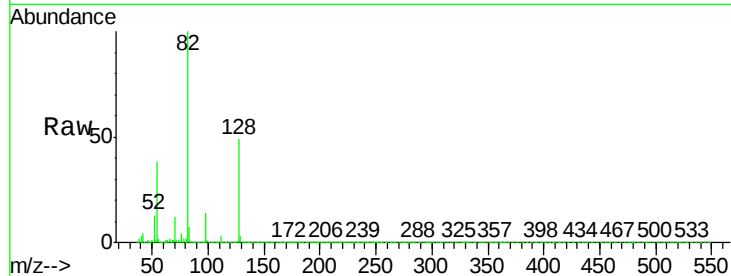
#23
 Nitrobenzene-d5
 Concen: 24.478 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BP000272.D
 Acq: 17 Sep 2019 15:00

Instrument :
 BNA_P
 ClientSampleId :
 SB-22-COMPDL

Tot Ion	82	Resp	451869
Ion Ratio	100	Lower	Upper
82	100		
128	49.2	40.7	61.1
54	38.3	30.1	45.1

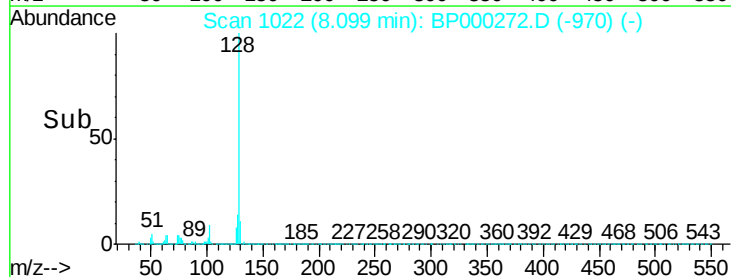
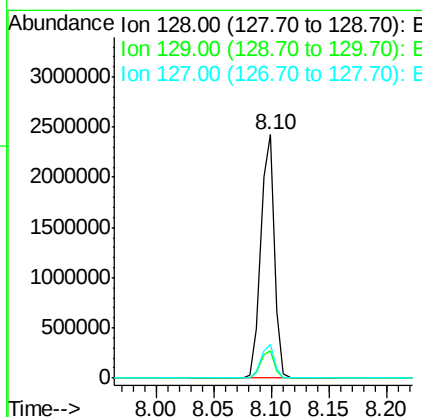
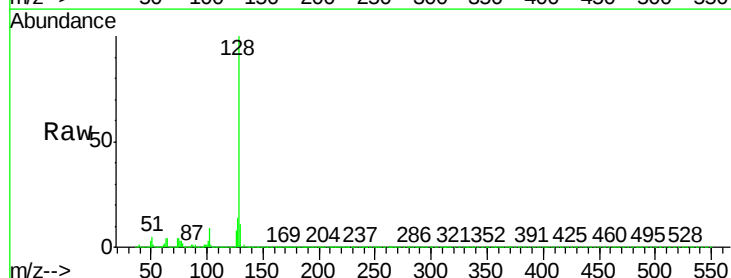
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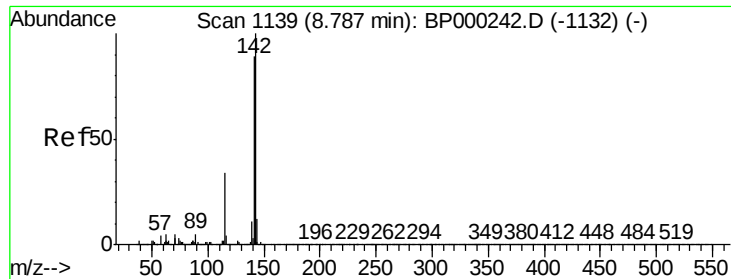
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#31
 Naphthalene
 Concen: 36.353 ng
 RT: 8.10 min Scan# 1022
 Delta R.T. 0.01 min
 Lab File: BP000272.D
 Acq: 17 Sep 2019 15:00

Tgt Ion	128	Resp	2005295
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.8	11.0	16.6





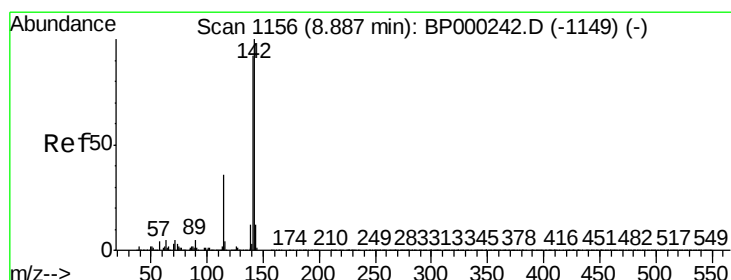
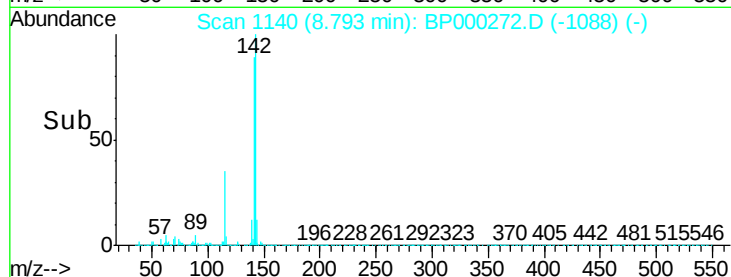
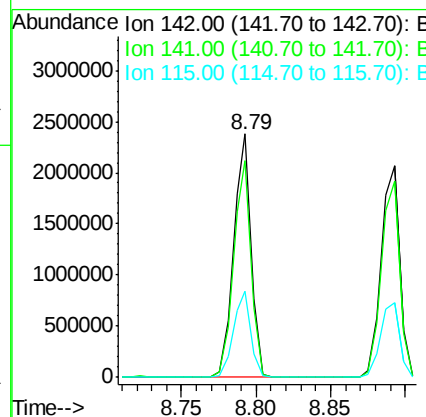
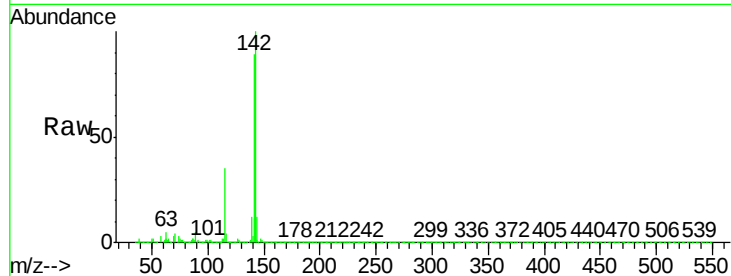
#37
2-Methylnaphthalene
Concen: 52.410 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.01 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Instrument :
BNA_P
ClientSampleId :
SB-22-COMPDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.3	106.9
115	35.5	27.2	40.8

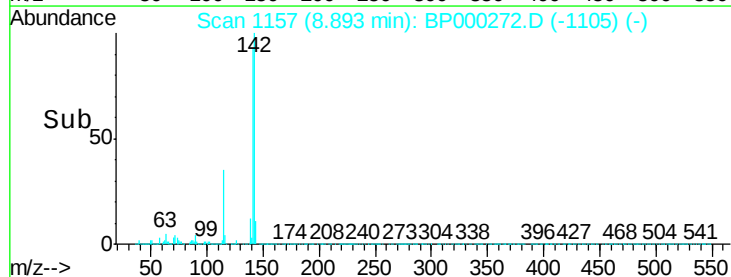
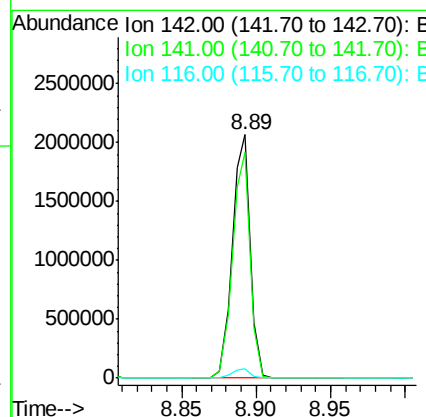
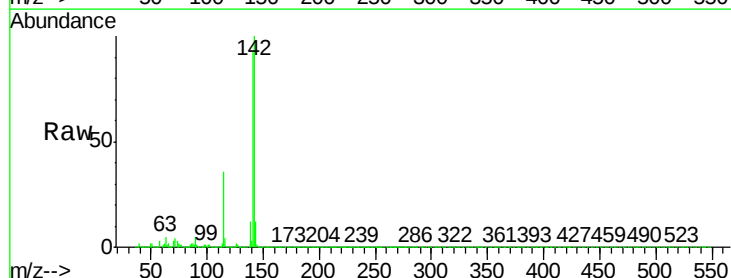
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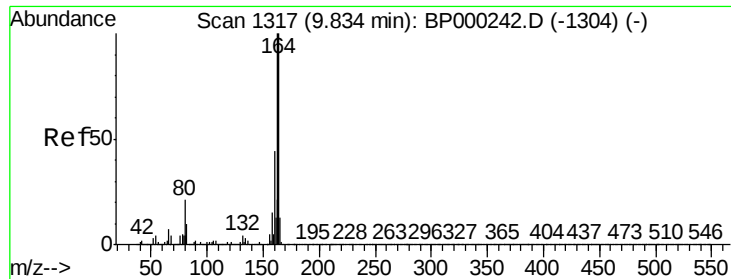
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#38
1-Methylnaphthalene
Concen: 49.882 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.01 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.9	110.9
116	3.9	3.0	4.6





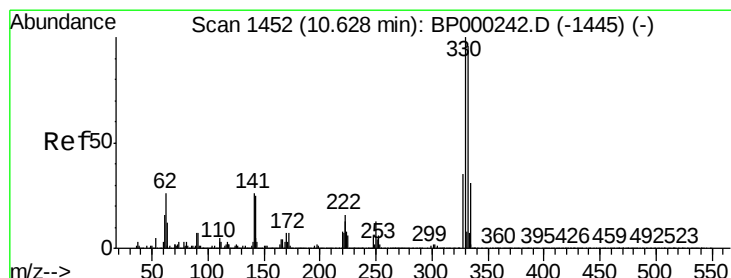
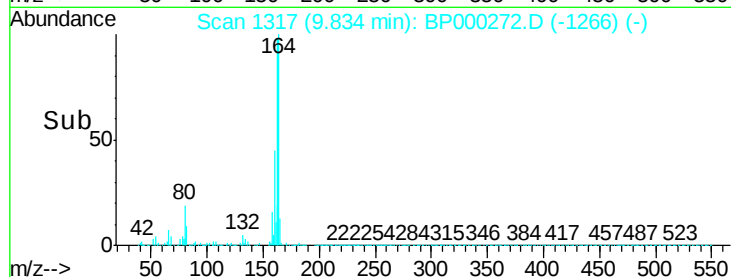
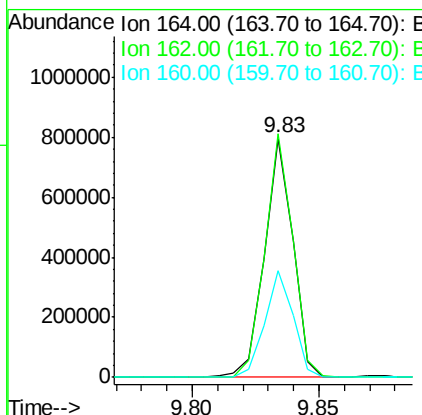
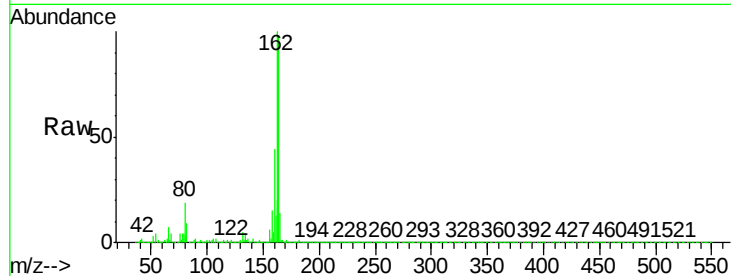
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Instrument :
BNA_P
ClientSampleId :
SB-22-COMPDL

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	79.9	119.9
160	44.8	35.6	53.4

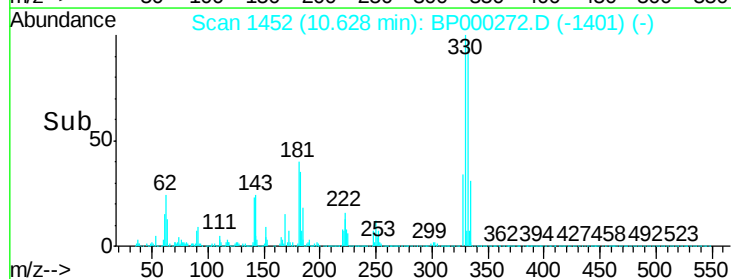
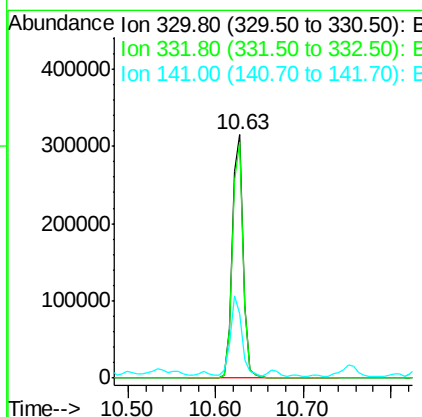
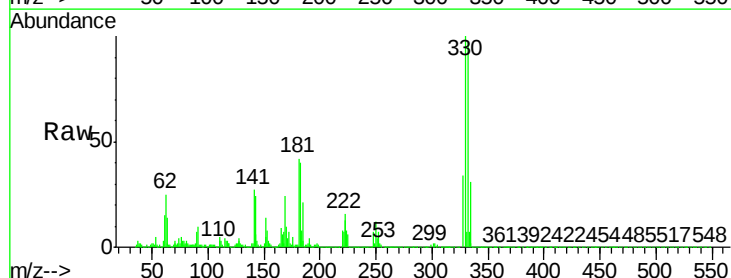
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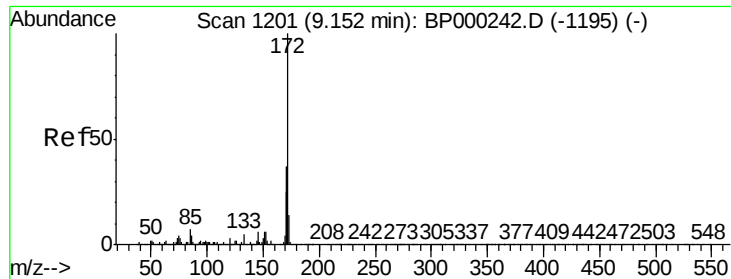
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#42
2,4,6-Tribromophenol
Concen: 43.576 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	34.4	26.5	39.7





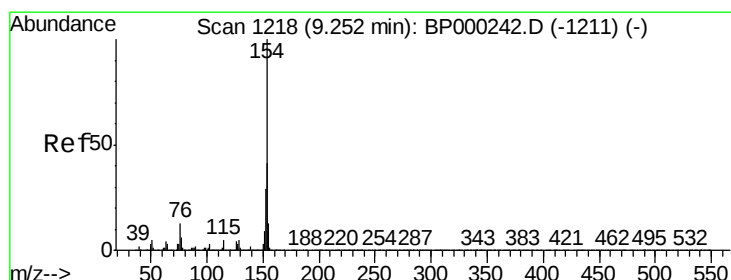
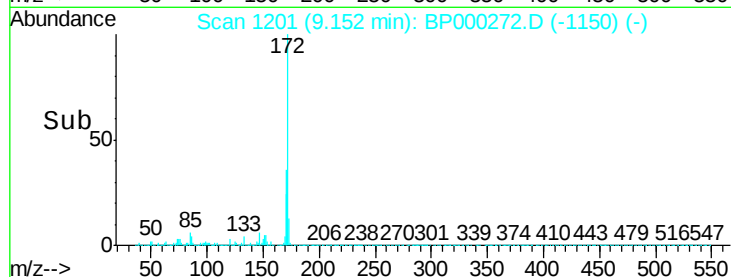
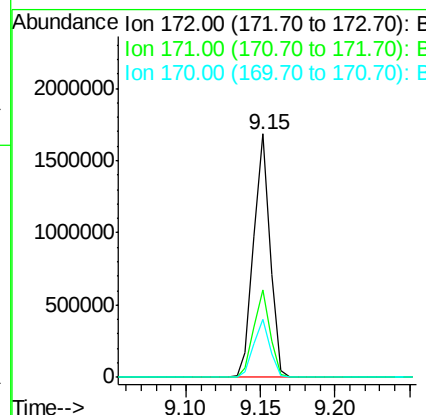
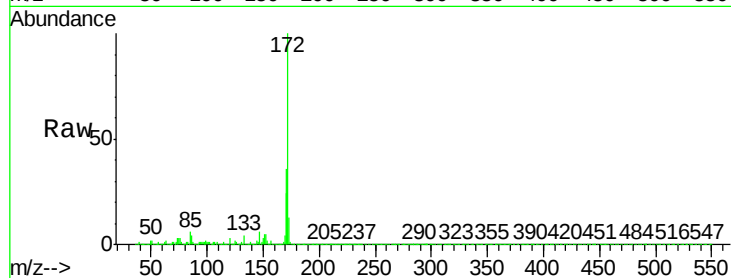
#45
2-Fluorobiphenyl
Concen: 36.535 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Instrument :
BNA_P
ClientSampleId :
SB-22-COMPDL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.8	44.6
170	23.7	19.8	29.6

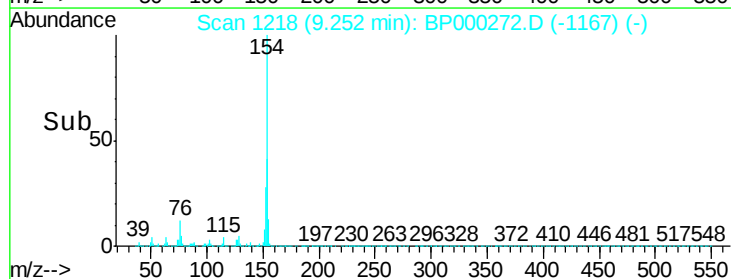
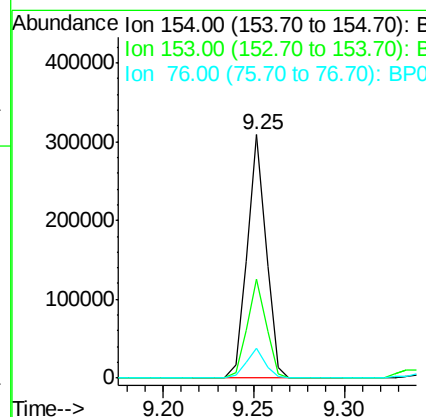
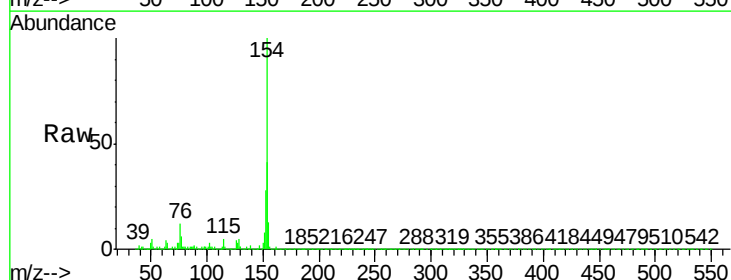
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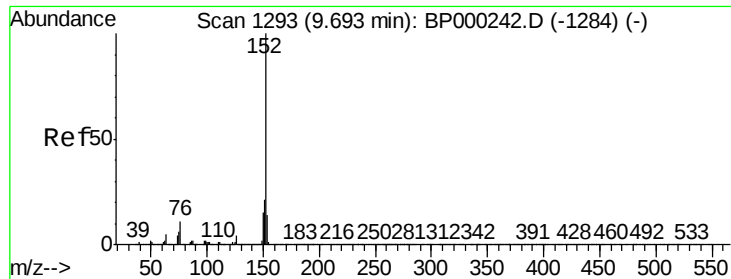
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#46
1,1'-Biphenyl
Concen: 5.150 ng
RT: 9.25 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.4	61.4
76	12.2	0.0	33.4





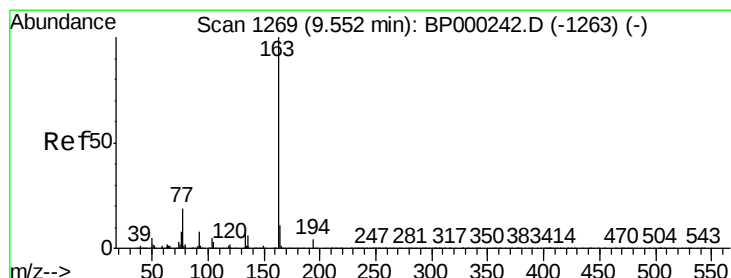
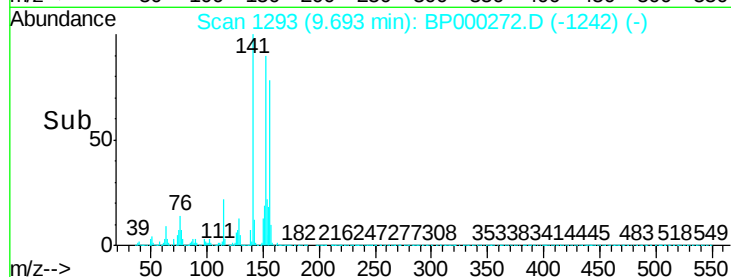
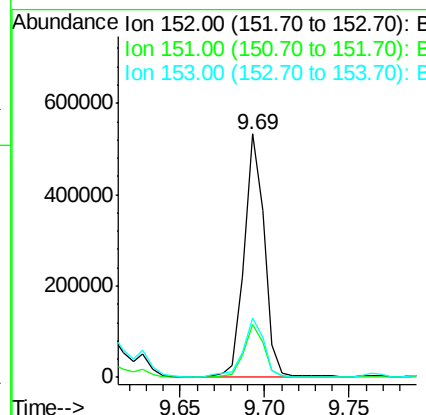
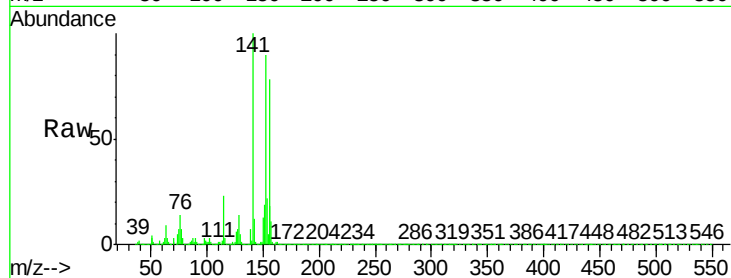
#49
Acenaphthylene
Concen: 8.055 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Instrument :
BNA_P
ClientSampleId :
SB-22-COMPDL

Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	21.6	16.4	24.6
153	24.6	11.0	16.4

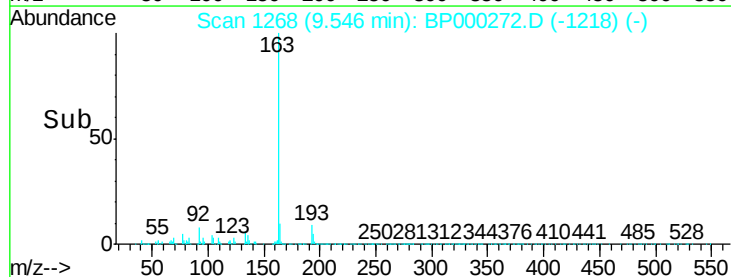
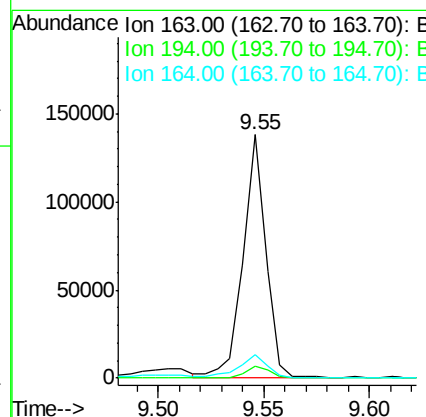
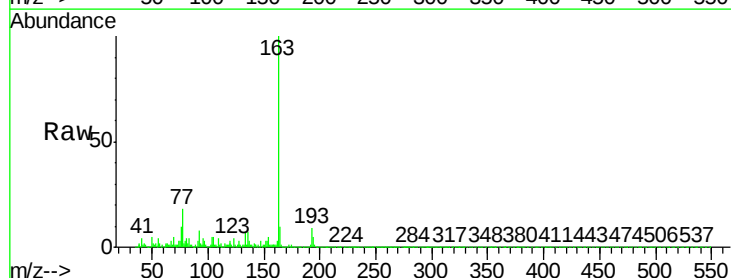
Manual Integrations
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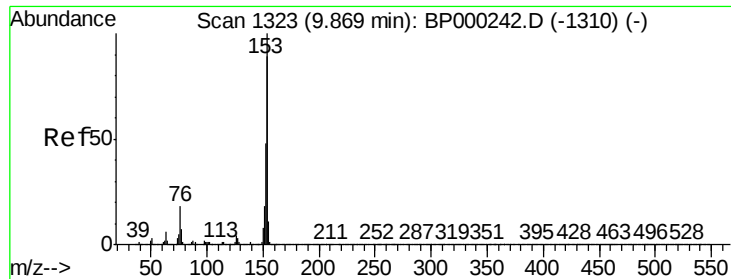
mohammad
9/19/2019 4:46:06 PM



#50
Dimethylphthalate
Concen: 2.374 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	5.1	3.4	5.0
164	9.9	8.5	12.7





#52

Acenaphthene

Concen: 7.540 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BP000272.D

Acq: 17 Sep 2019 15:00

Instrument :

BNA_P

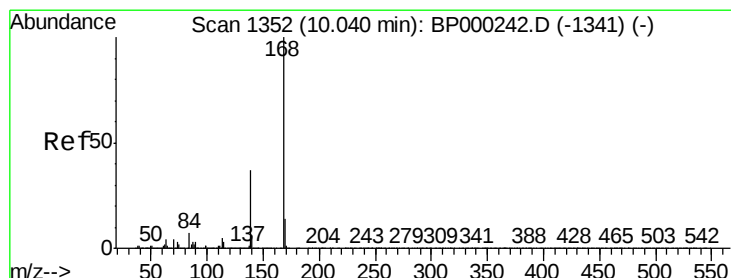
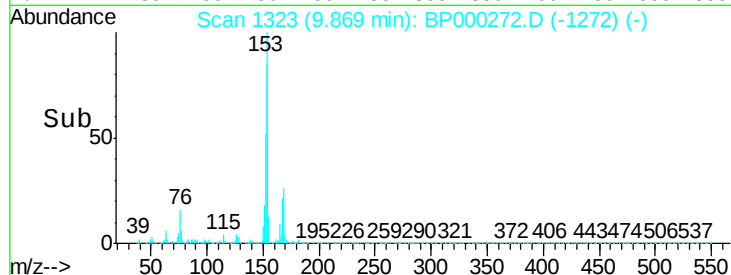
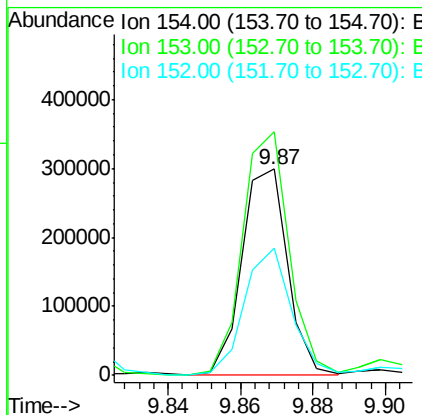
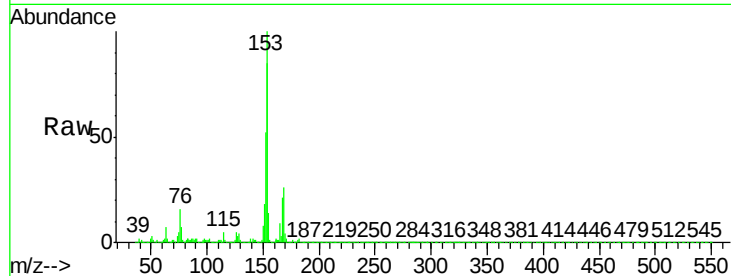
ClientSampleId :

SB-22-COMPDL

Tot Ion:	154	Resp:	260280
Ion Ratio	Lower	Upper	
154	100		
153	118.3	89.8	134.6
152	61.8	43.4	65.0

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#55

Dibenzofuran

Concen: 2.741 ng

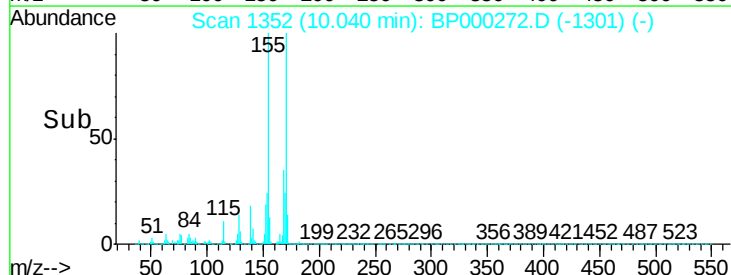
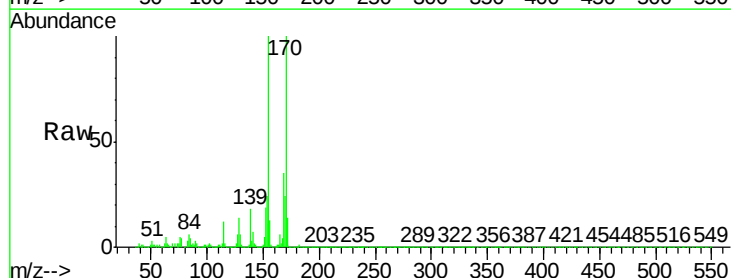
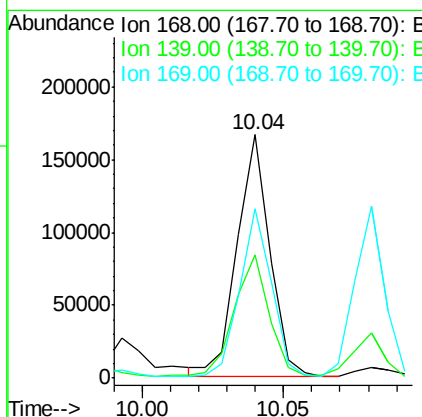
RT: 10.04 min Scan# 1352

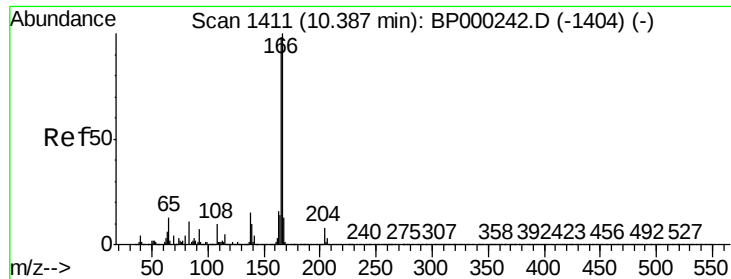
Delta R.T. 0.00 min

Lab File: BP000272.D

Acq: 17 Sep 2019 15:00

Tgt Ion:	168	Resp:	133767
Ion Ratio	Lower	Upper	
168	100		
139	50.6	30.0	45.0#
169	69.4	11.0	16.6#





#58

Fluorene

Concen: 24.137 ng

RT: 10.39 min Scan# 1411

Delta R.T. 0.00 min

Lab File: BP000272.D

Acq: 17 Sep 2019 15:00

Instrument :

BNA_P

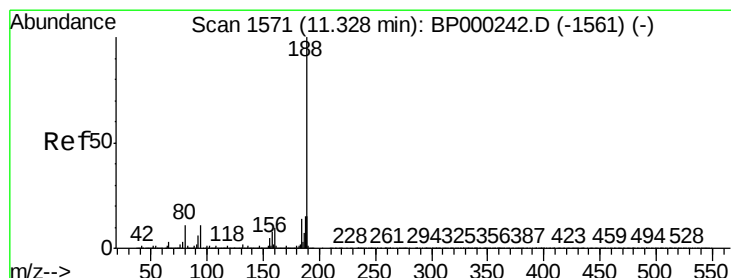
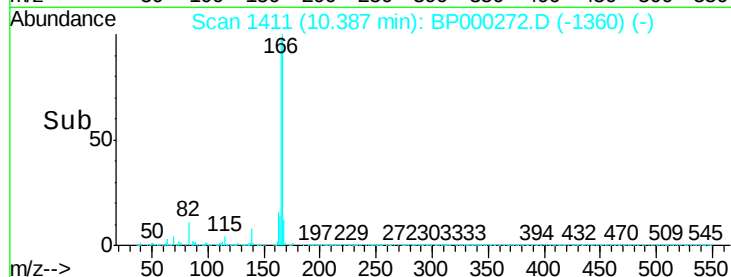
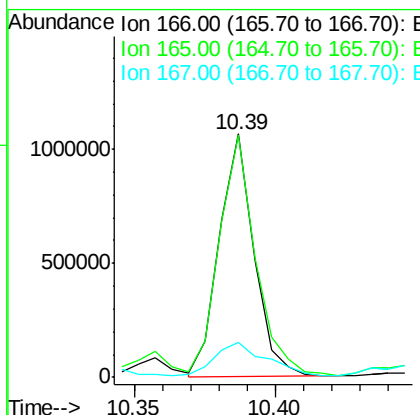
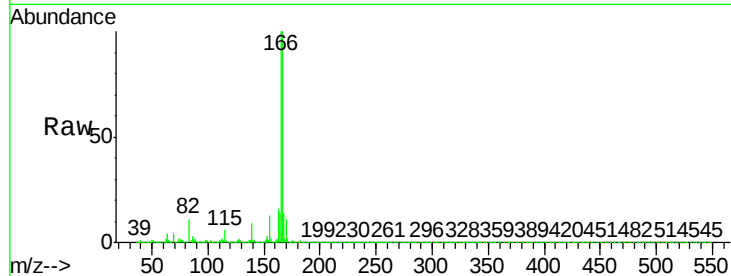
ClientSampled :

SB-22-COMPDL

Tot Ion:	166	Resp:	909752
Ion Ratio	Lower	Upper	
166	100		
165	99.5	78.2	117.2
167	14.3	10.7	16.1

Manual Integrations
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#64

Phenanthrene-d10

Concen: 20.000 ng

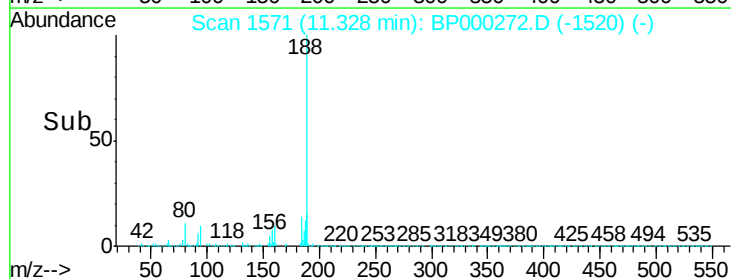
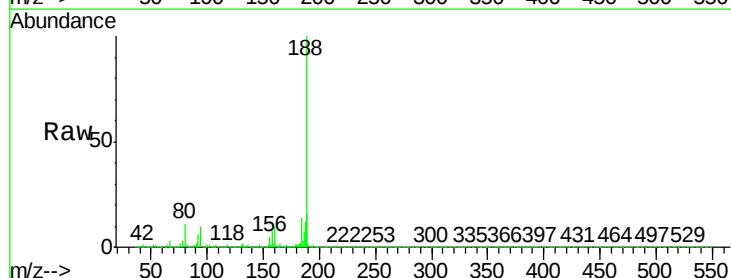
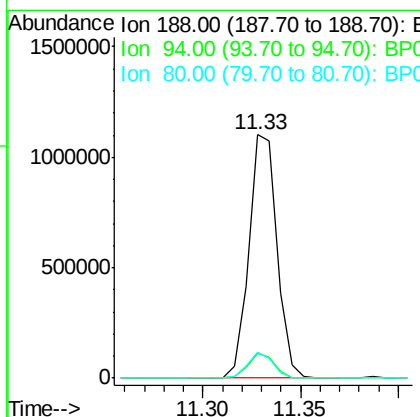
RT: 11.33 min Scan# 1571

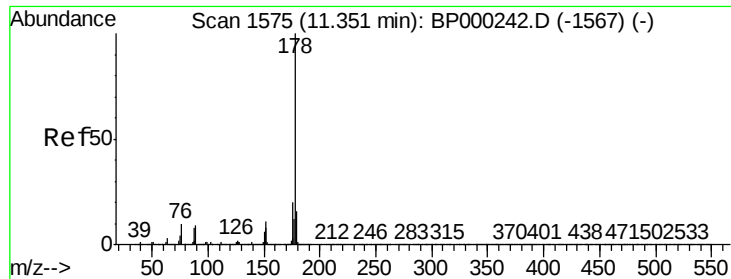
Delta R.T. 0.00 min

Lab File: BP000272.D

Acq: 17 Sep 2019 15:00

Tgt Ion:	188	Resp:	1093289
Ion Ratio	Lower	Upper	
188	100		
94	10.1	8.5	12.7
80	10.6	8.6	13.0





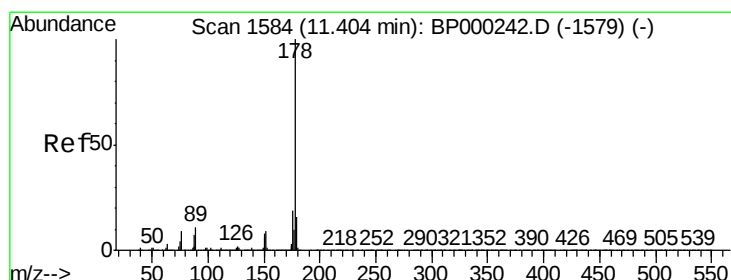
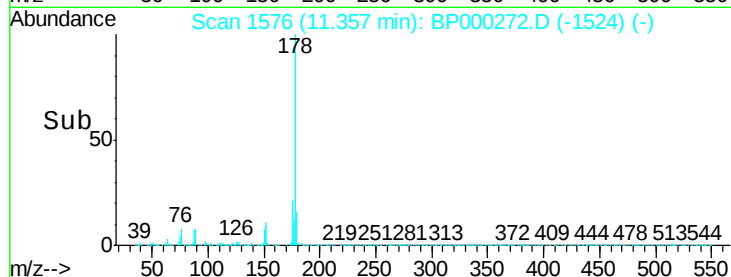
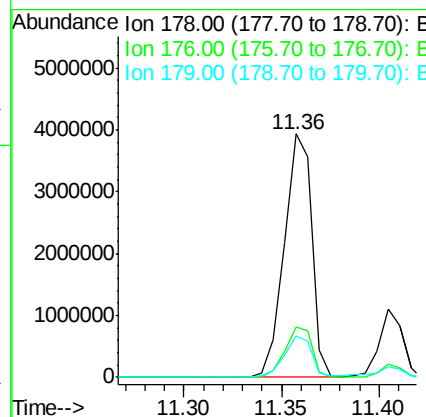
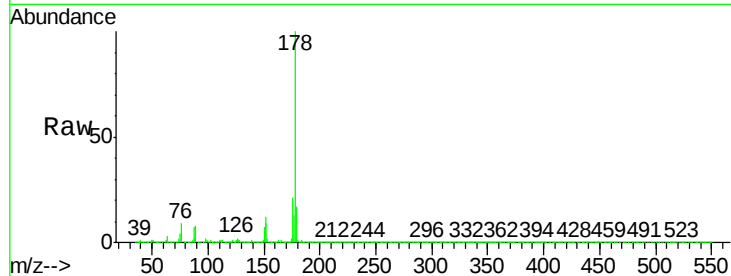
#71
Phenanthrene
Concen: 69.713 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Instrument :
BNA_P
ClientSampled :
SB-22-COMPDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.8	23.8
179	17.0	12.7	19.1

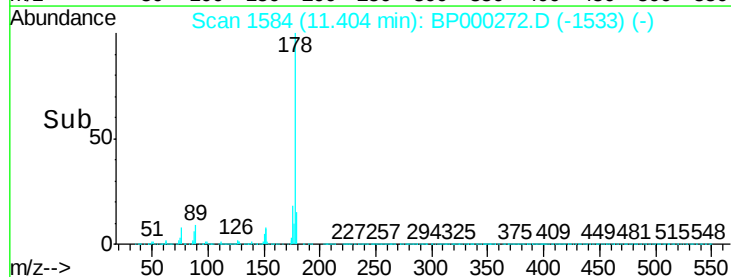
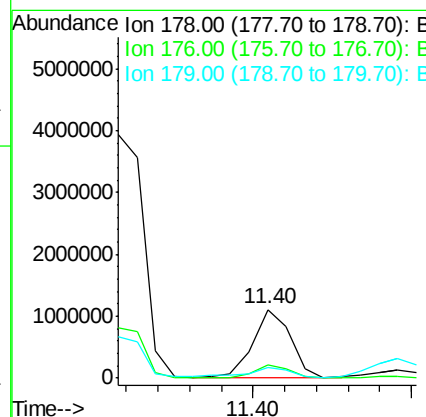
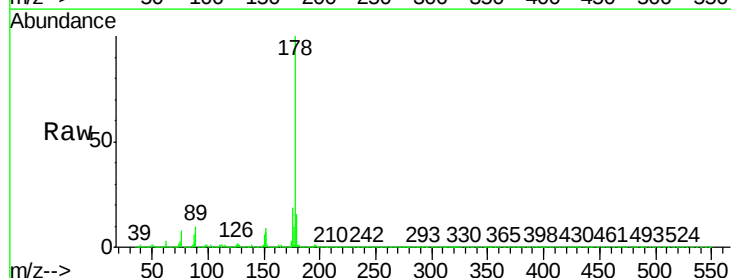
Manual Integrations
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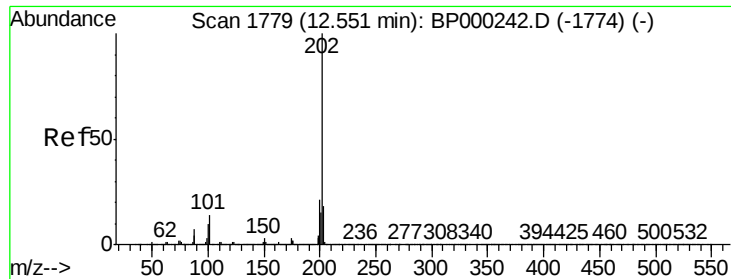
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#72
Anthracene
Concen: 15.737 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.8	12.7	19.1





#75

Fluoranthene

Concen: 32.504 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BP000272.D

Acq: 17 Sep 2019 15:00

Instrument :

BNA_P

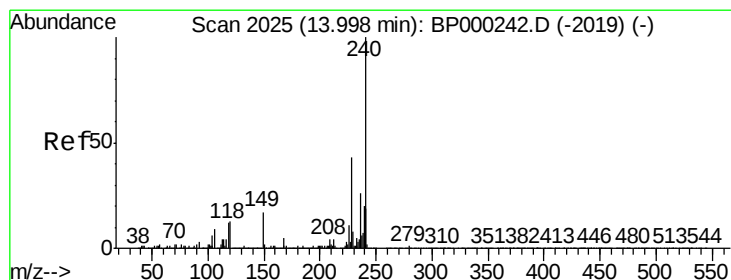
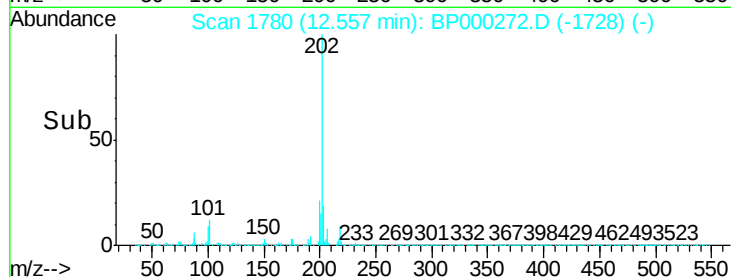
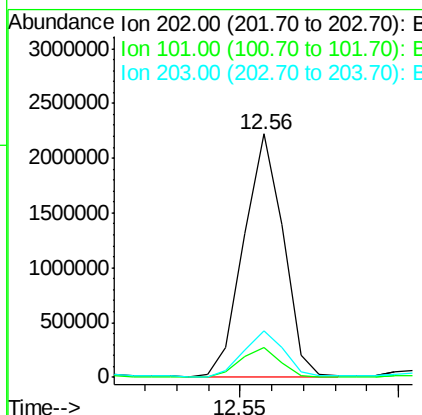
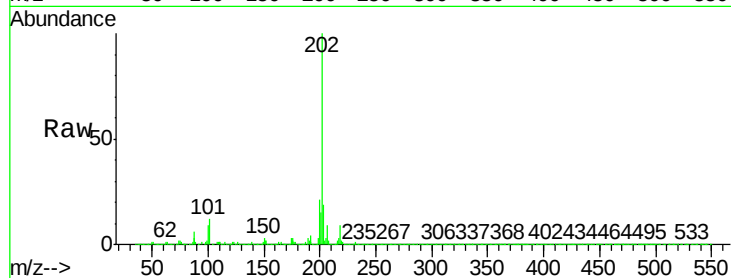
ClientSampleId :

SB-22-COMPDL

Tot Ion:	202	Resp:	1912211
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	33.9
203	19.0	0.0	38.0

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#76

Chrysene-d12

Concen: 20.000 ng

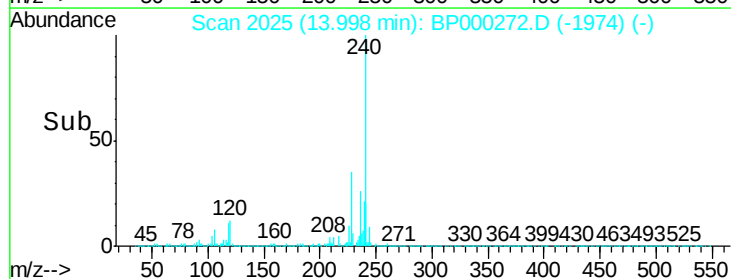
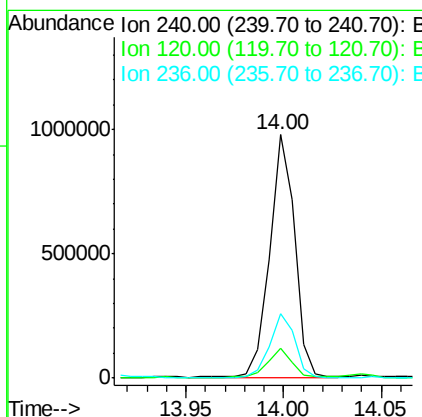
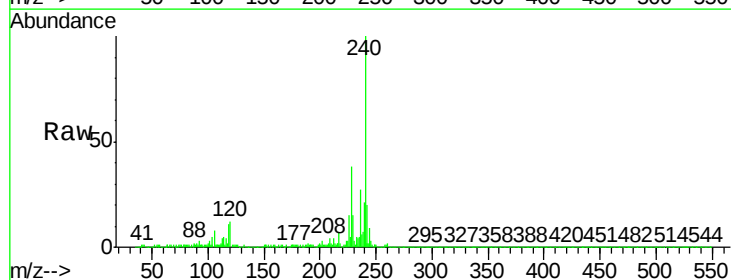
RT: 14.00 min Scan# 2025

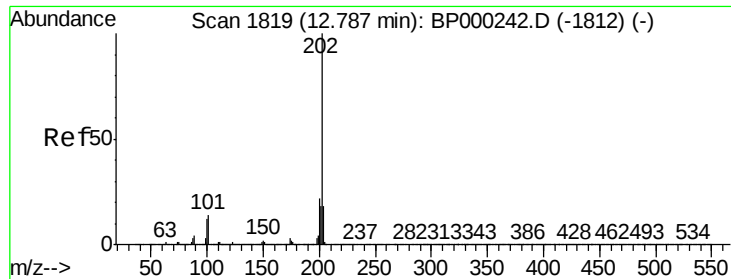
Delta R.T. 0.00 min

Lab File: BP000272.D

Acq: 17 Sep 2019 15:00

Tgt Ion:	240	Resp:	861975
Ion Ratio	Lower	Upper	
240	100		
120	12.0	10.4	15.6
236	26.7	21.0	31.6





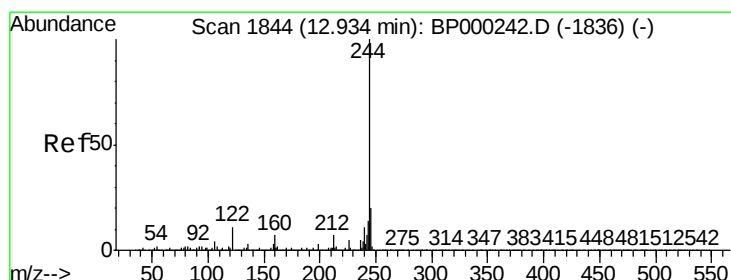
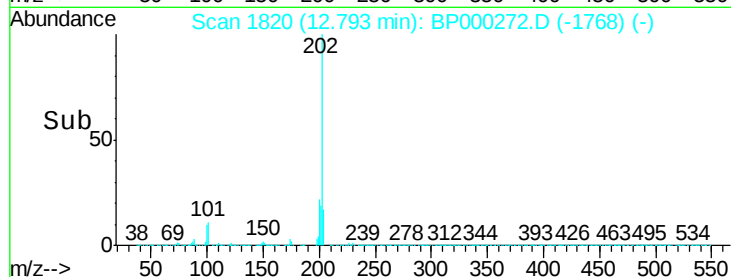
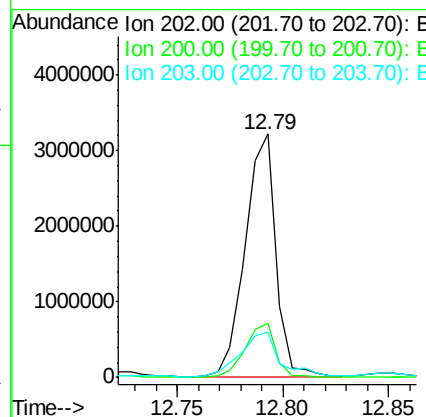
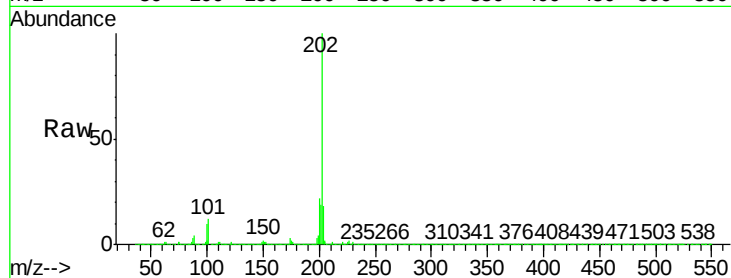
#78
Pvrene
Concen: 50.039 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Instrument :
BNA_P
ClientSampleId :
SB-22-COMPDL

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.5	26.3
203	18.4	14.3	21.5

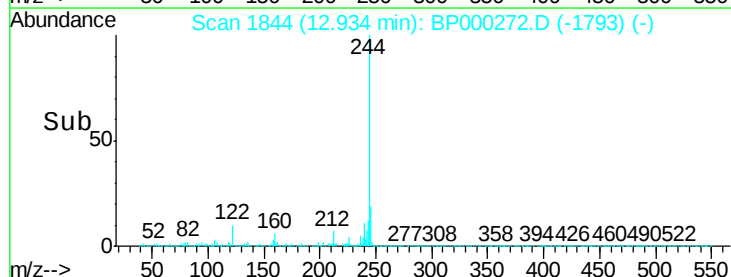
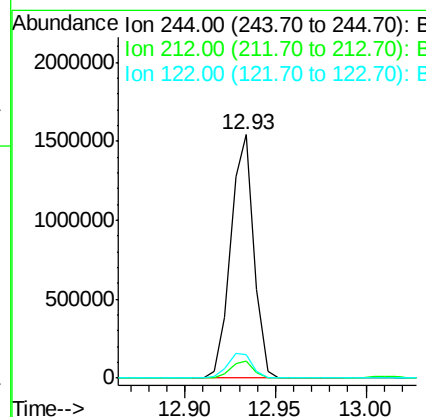
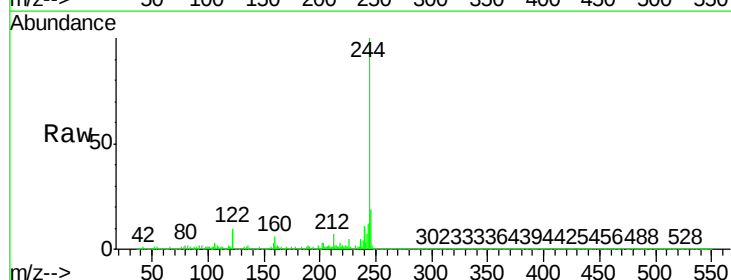
Manual Integrations
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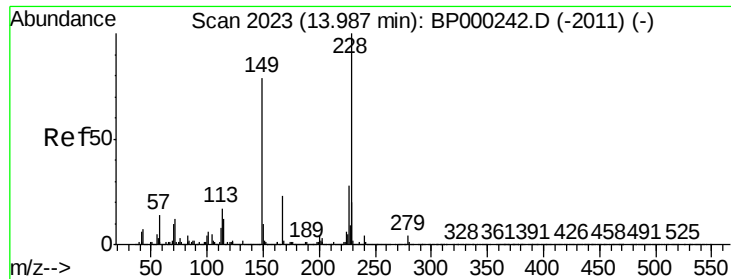
mohammad
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#79
Terphenyl-d14
Concen: 33.021 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	9.6	9.0	13.4





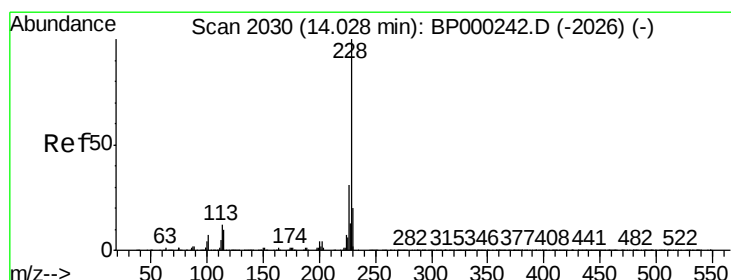
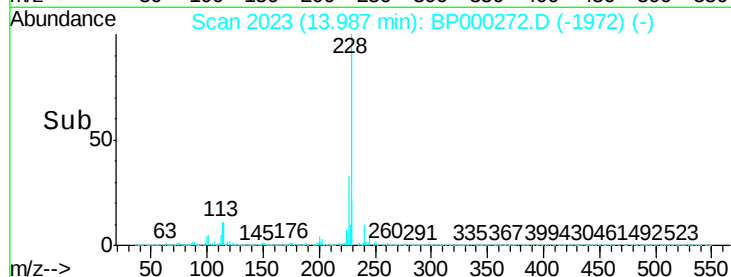
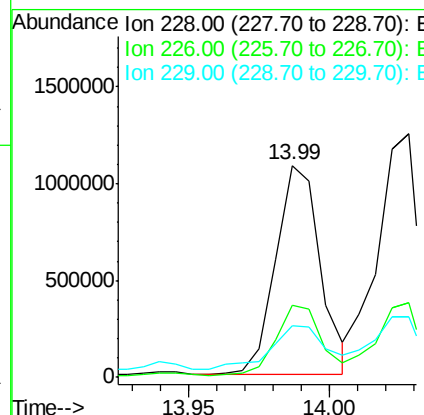
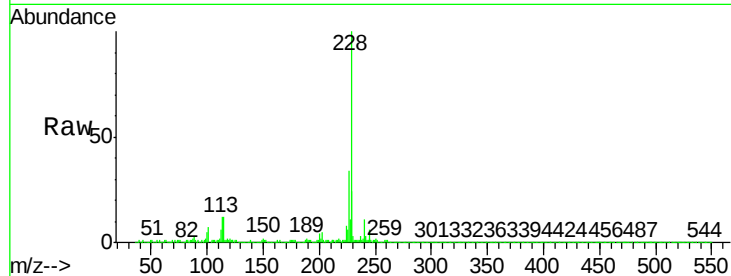
#81
Benzo(a)anthracene
Concen: 21.734 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Instrument :
BNA_P
ClientSampleId :
SB-22-COMPDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.2	22.2	33.4#
229	24.3	16.0	24.0#

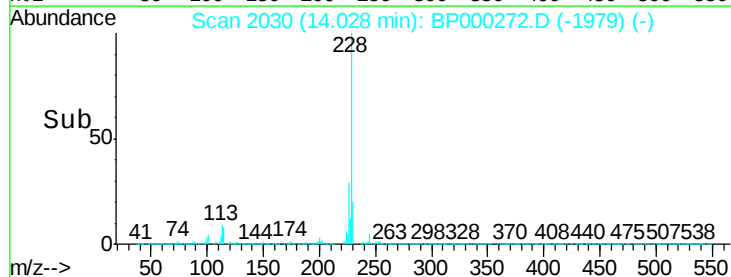
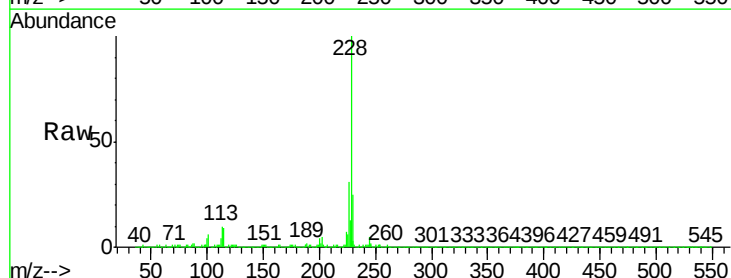
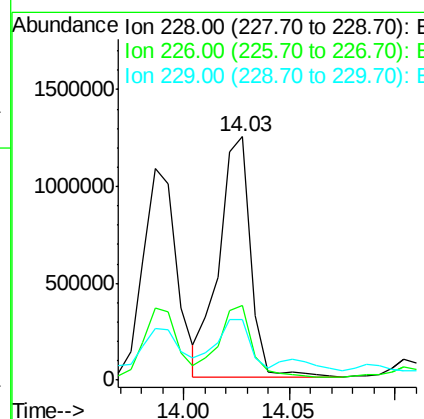
Manual Integrations
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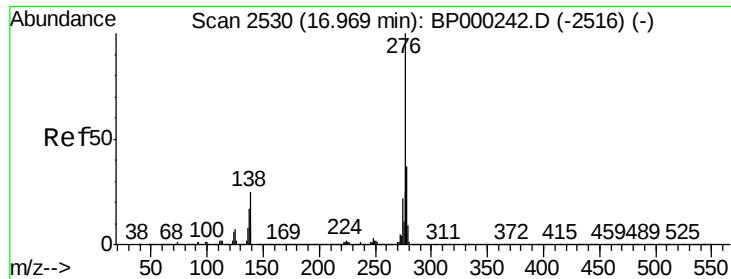
mohammad
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#83
Chrysene
Concen: 24.247 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	24.7	16.2	24.2#





#86

Indeno(1,2,3-cd)pyrene

Concen: 3.627 ng

RT: 16.97 min Scan# 2530

Delta R.T. 0.00 min

Lab File: BP000272.D

Acq: 17 Sep 2019 15:00

Instrument :

BNA_P

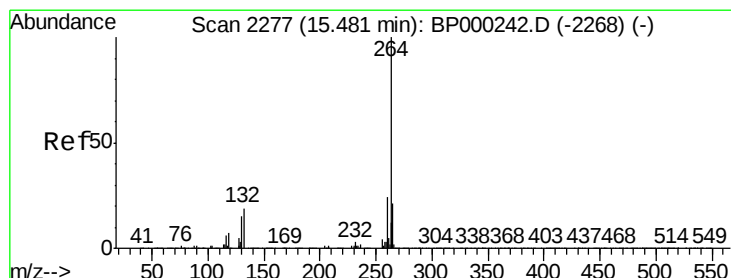
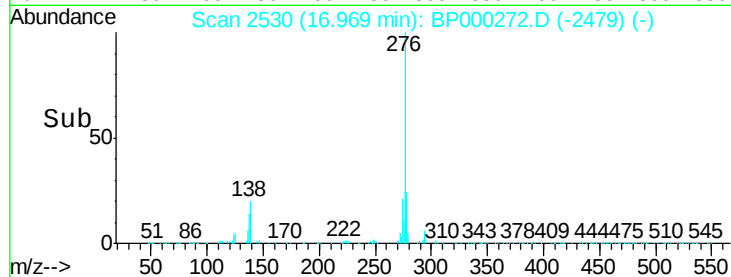
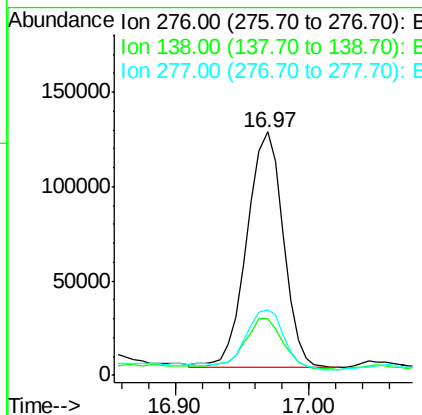
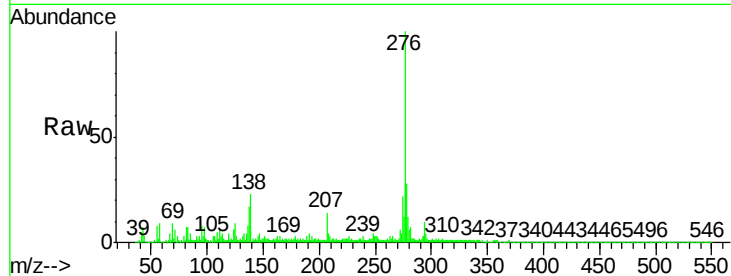
ClientSampleId :

SB-22-COMPDL

Tot Ion:	276	Resp:	236354
Ion Ratio	Lower	Upper	
276	100		
138	23.0	22.6	33.8
277	26.7	20.4	30.6

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#87

Perylene-d12

Concen: 20.000 ng

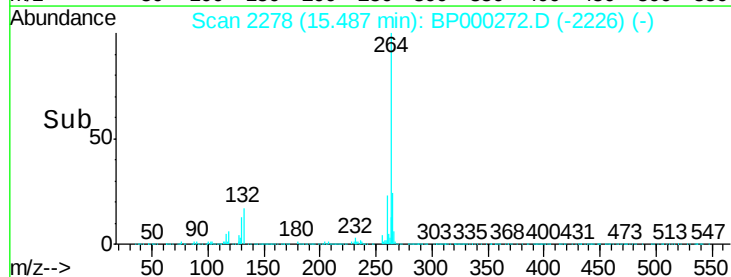
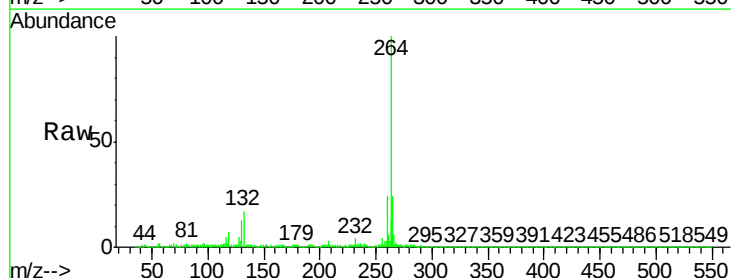
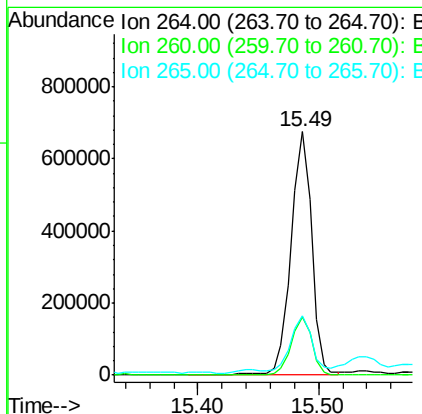
RT: 15.49 min Scan# 2278

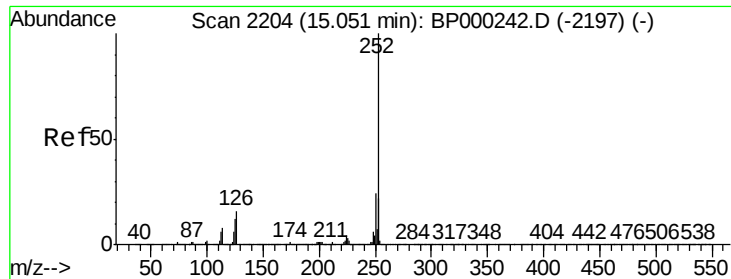
Delta R.T. 0.01 min

Lab File: BP000272.D

Acq: 17 Sep 2019 15:00

Tgt Ion:	264	Resp:	785716
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.9	28.3
265	24.3	17.2	25.8





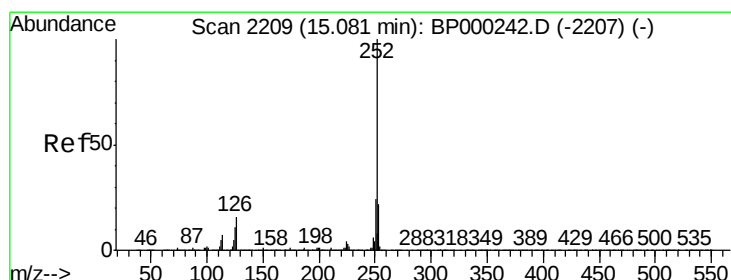
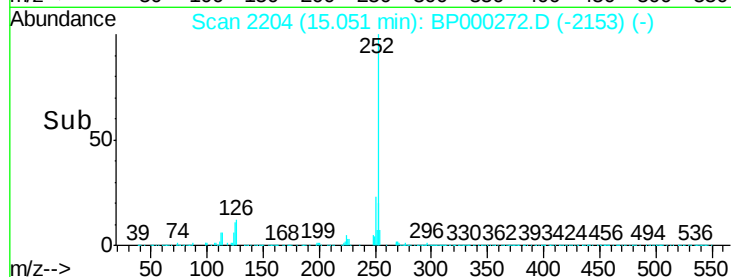
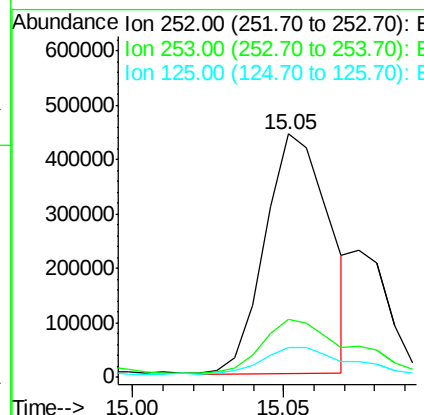
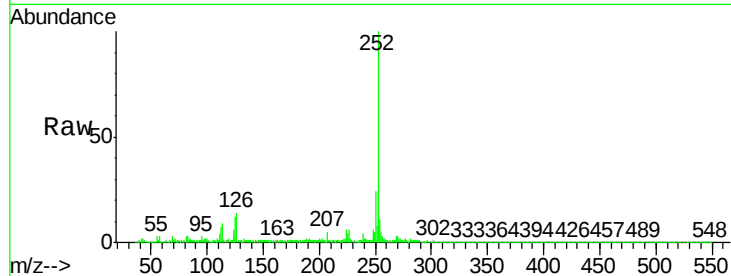
#88
Benzo(b)fluoranthene
Concen: 14.013 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Instrument :
BNA_P
ClientSampleId :
SB-22-COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	12.2	9.5	14.3

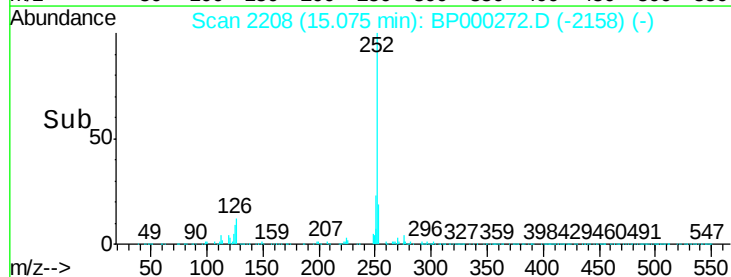
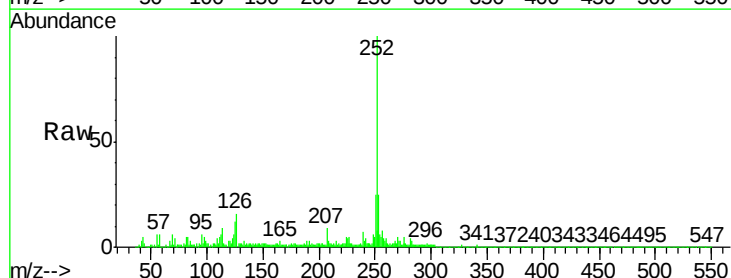
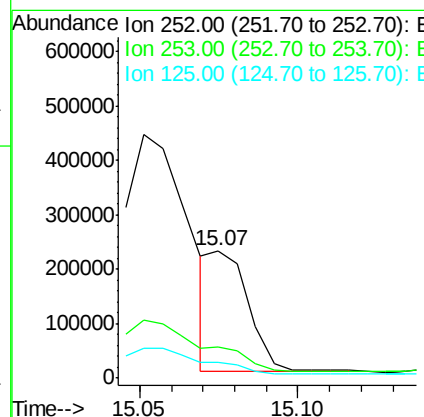
Manual Integrations
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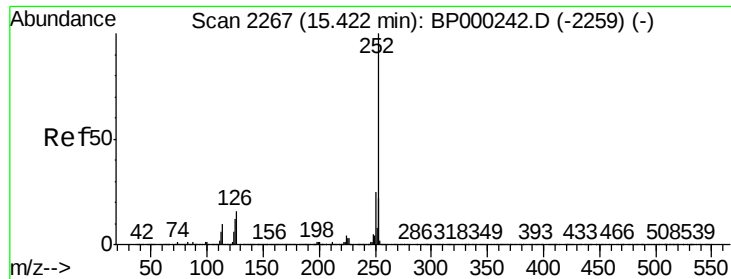
mohammad
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#89
Benzo(k)fluoranthene
Concen: 4.543 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	12.4	9.6	14.4





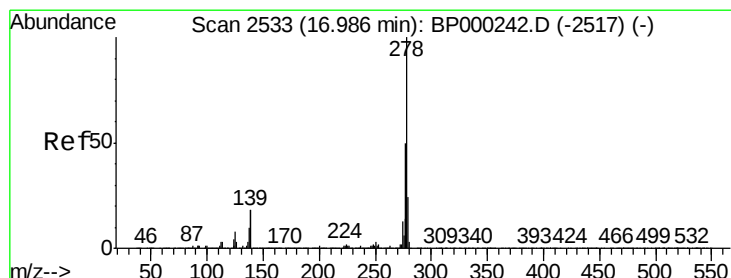
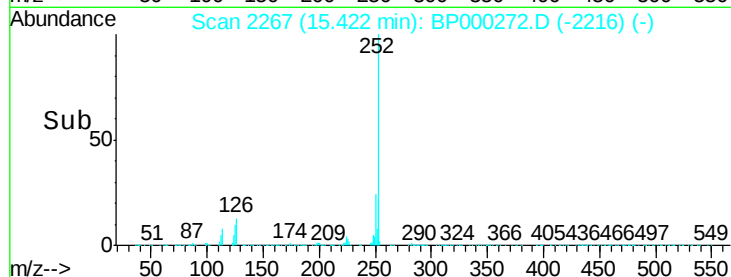
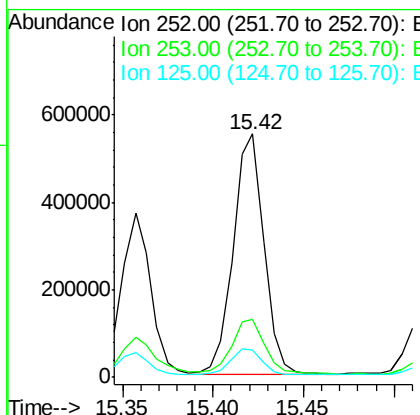
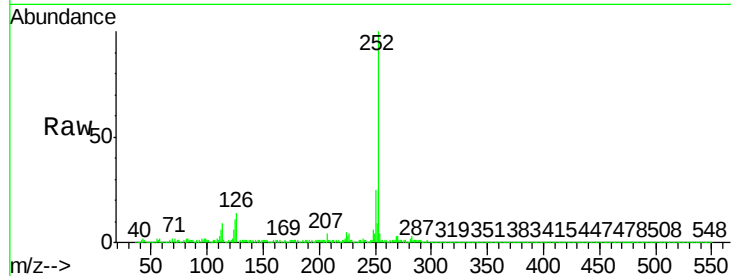
#90
Benzo(a)pyrene
Concen: 15.140 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Instrument :
BNA_P
ClientSampleId :
SB-22-COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	11.2	10.0	15.0

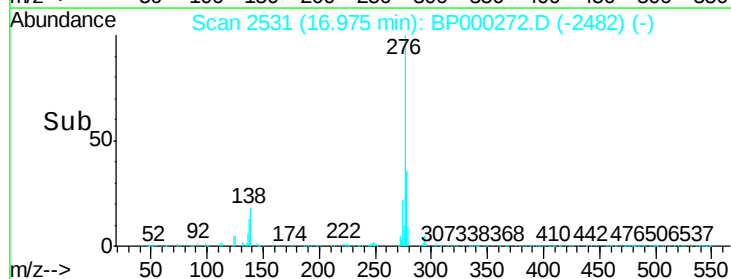
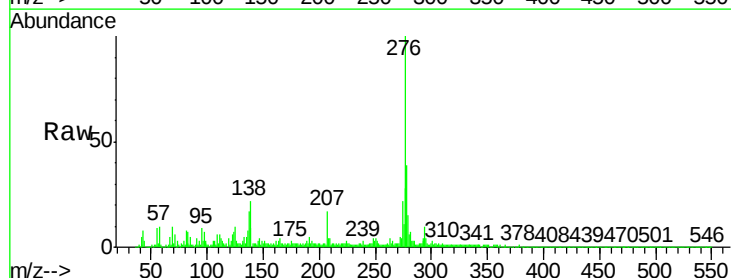
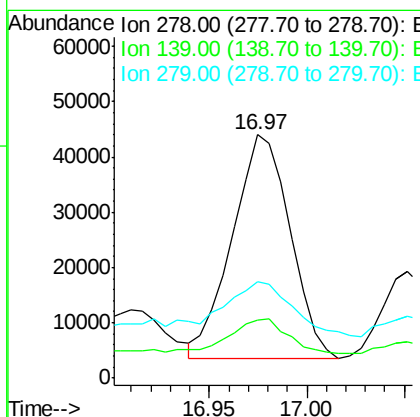
Manual Integrations
APPROVED

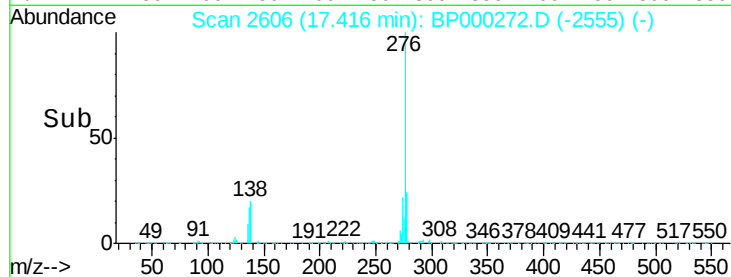
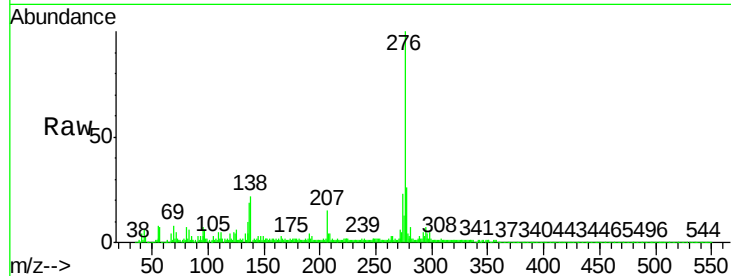
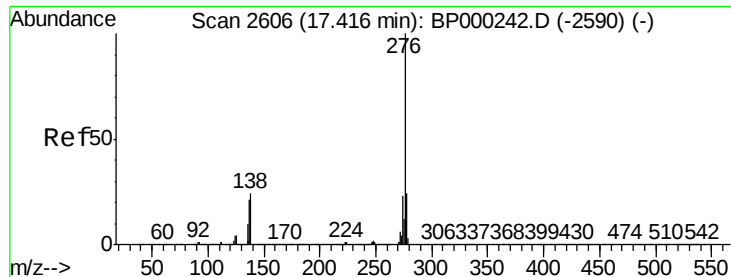
mohammad
9/19/2019 4:46:06 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.091 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BP000272.D
Acq: 17 Sep 2019 15:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.0	14.5	21.7#
279	39.7	19.0	28.6#





#92

Benzo(a,h,i)perylene

Concen: 6.379 ng

RT: 17.42 min Scan# 2606

Delta R.T. 0.00 min

Lab File: BP000272.D

Acq: 17 Sep 2019 15:00

Instrument :

BNA_P

ClientSampleId :

SB-22-COMPDL

Tot Ion:	276	Resp:	260737
Ion Ratio	Lower	Upper	
276	100		
277	26.2	19.1	28.7
138	22.3	19.5	29.3

Manual Integrations
APPROVED

mohammad
9/19/2019 4:46:06 PM

