

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071719\
 Data File : BE100452.D
 Acq On : 17 Jul 2019 15:53
 Operator : HP/JU
 Sample : K3818-01DL 25X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP3DL

Manual Integrations
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 7/19/2019 2:24:12 PM

Quant Time: Jul 17 17:58:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 16 14:03:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	4193	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	19565	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	12503	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	30527	0.40	ng	0.00
27) Chrysene-d12	21.39	240	29668	0.40	ng	0.00
34) Perylene-d12	23.88	264	30978	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0d	0.00	ng	
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	0.00	82	0d	0.00	ng	
11) 2-Methylnaphthalene-d10	0.00	152	0d	0.00	ng	
14) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
15) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
25) Fluoranthene-d10	0.00	212	0d	0.00	ng	
29) Terphenyl-d14	0.00	244	0d	0.00	ng	

Target Compounds

						Qvalue
9) Naphthalene	10.72	128	13388	0.070	ng	# 98
12) 2-Methylnaphthalene	12.34	142	1242	0.039	ng	96
16) Acenaphthylene	14.23	152	3169	0.063	ng	# 94
17) Acenaphthene	14.57	154	3925	0.113	ng	98
18) Fluorene	15.54	166	5885	0.131	ng	99
23) Phenanthrene	17.27	178	92184	1.133	ng	100
24) Anthracene	17.36	178	27537	0.410	ng	98
26) Fluoranthene	19.28	202	172124	1.665	ng	99
28) Pyrene	19.64	202	160579	1.850	ng	# 94
30) Benzo(a)anthracene	21.38	228	92195	1.145	ng	97
31) Chrysene	21.43	228	71607	0.749	ng	97
33) Indeno(1,2,3-cd)pyrene	26.52	276	42858	0.504	ng	97
35) Benzo(b)fluoranthene	23.12	252	89694	0.948	ng	96
36) Benzo(k)fluoranthene	23.17	252	36273m	0.362	ng	
37) Benzo(a)pyrene	23.77	252	69245	0.890	ng	97
38) Dibenzo(a,h)anthracene	26.53	278	11471	0.138	ng	# 74
39) Benzo(a,h,i)perylene	27.32	276	44200	0.509	ng	96

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

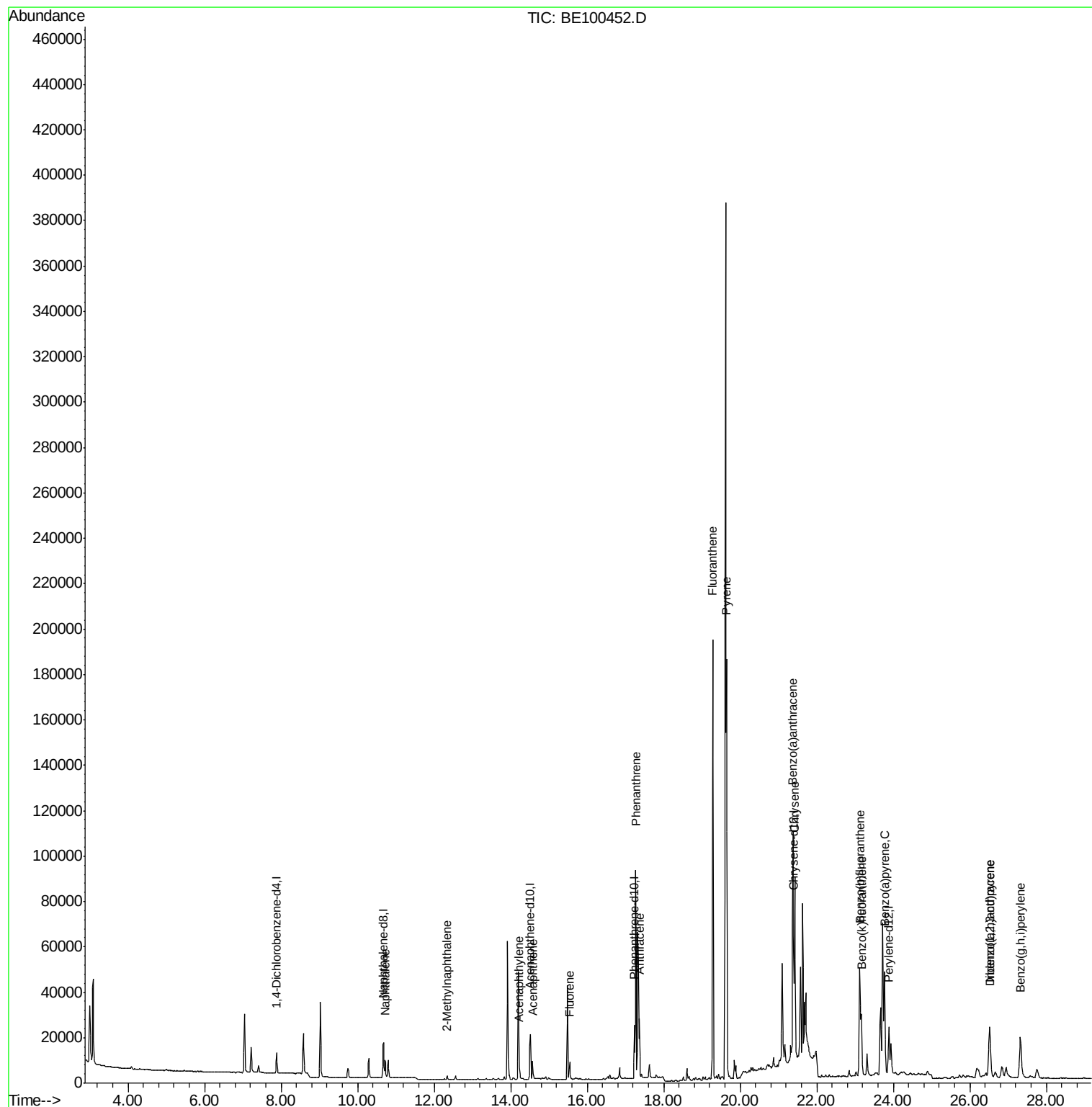
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071719\
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ALS Vial : 5 Sample Multiplier: 1

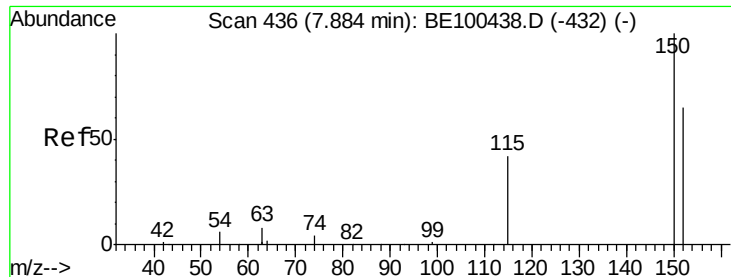
Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071619.M
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#1

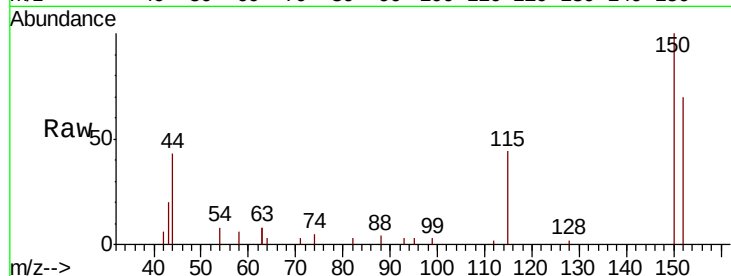
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.89 min Scan# 436
Delta R.T. 0.00 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.7	121.7	182.5
115	62.9	52.4	78.6

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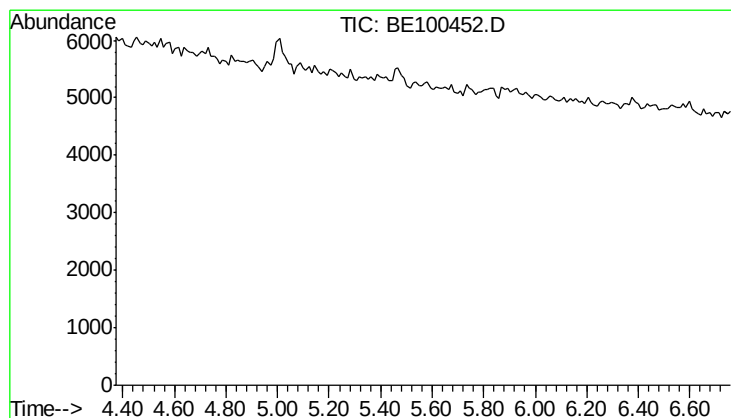
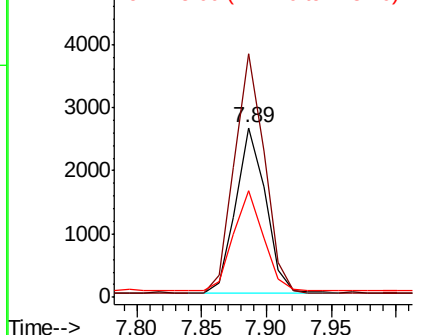
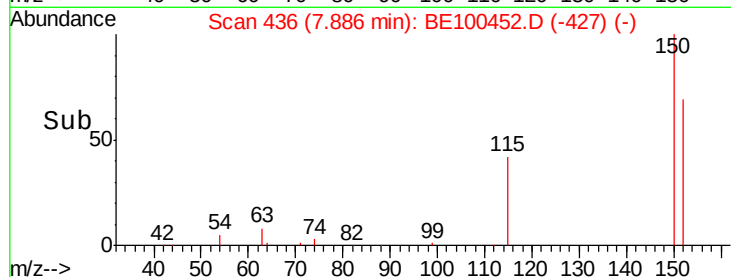


Abundance

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

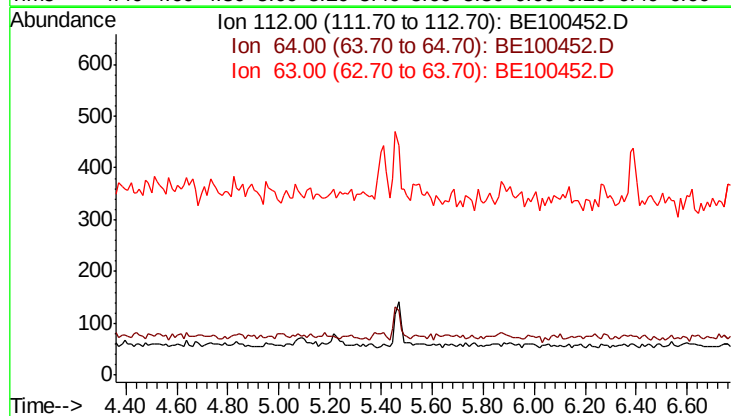


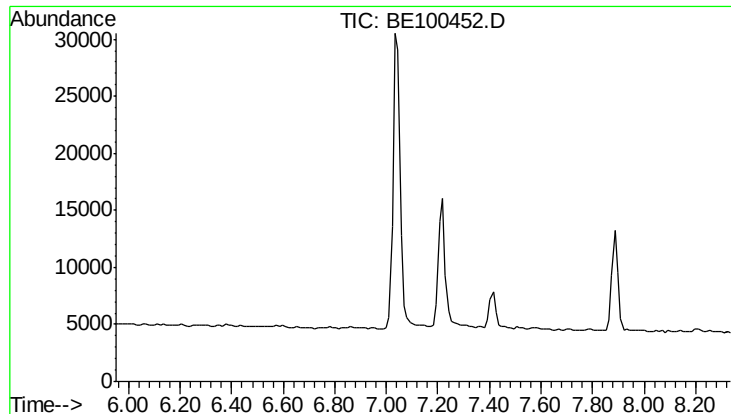
#4

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.47 min

Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

Tgt Ion	Exp Ratio
112	100
64	68.7
63	143.5





#5

Phenol-d6

Concen: 0.000 ng

Expected RT: 7.04 min

Lab File: BE100452.D

Acq: 17 Jul 2019 15:53

Tot Ion: 99

Sig Exp Ratio

99 100

42 21.8

71 35.3

Instrument :

BNA_E

ClientSampleId :

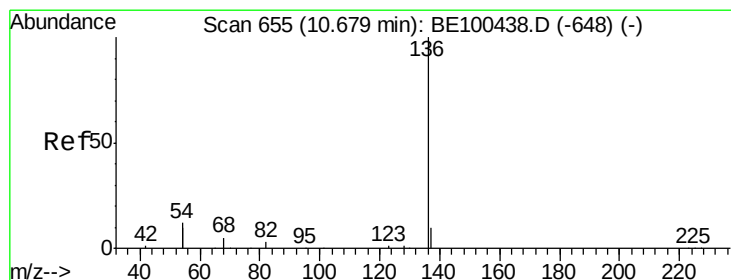
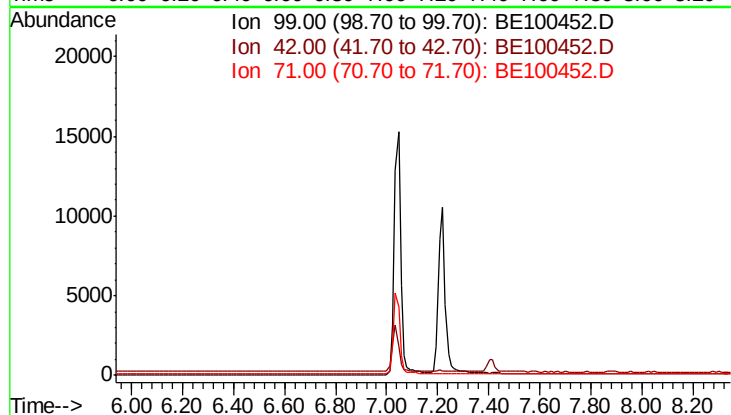
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#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE100452.D

Acq: 17 Jul 2019 15:53

Tgt Ion:136 Resp: 19565

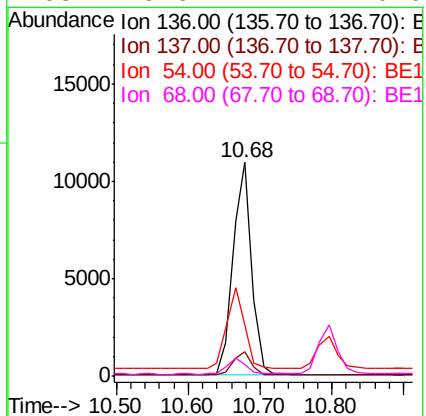
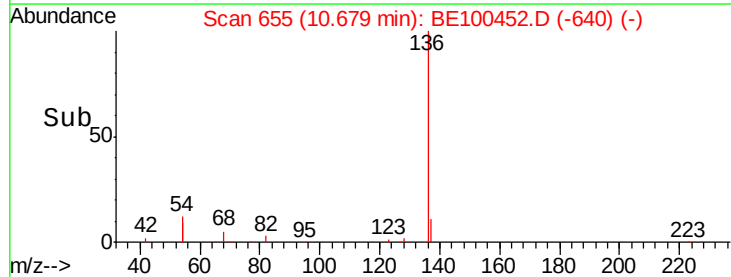
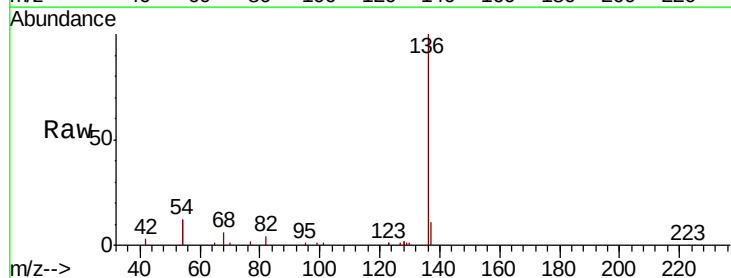
Ion Ratio Lower Upper

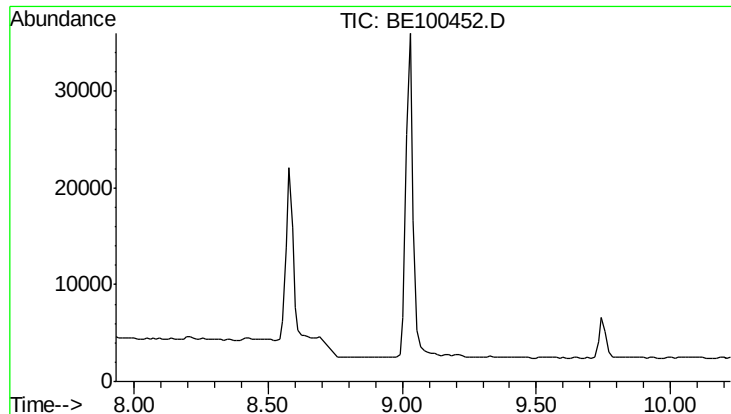
136 100

137 11.1 8.7 13.1

54 24.3 19.6 29.4

68 5.6 4.4 6.6





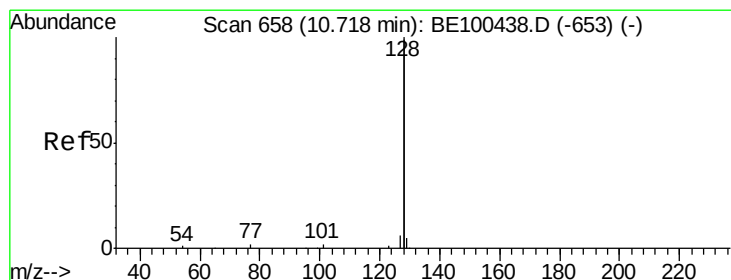
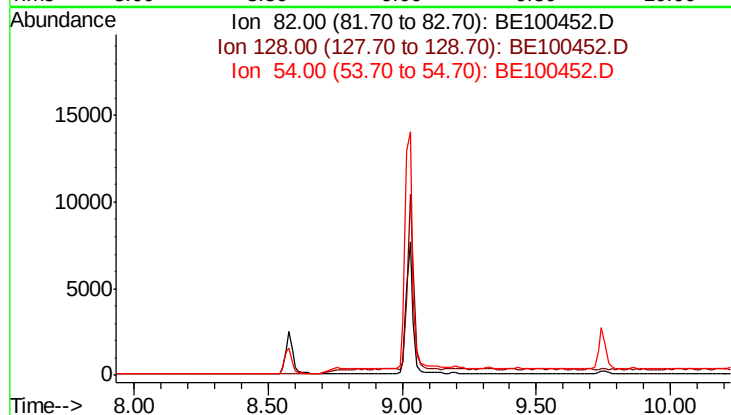
#8
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 9.03 min
 Lab File: BE100452.D
 Acq: 17 Jul 2019 15:53

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP3DL

Tot Ion	82
Sig	Exp Ratio
82	100
128	122.4
54	193.8

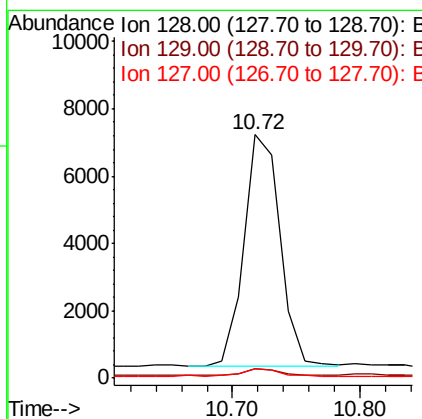
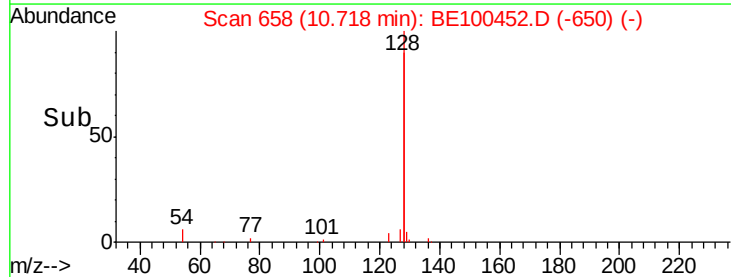
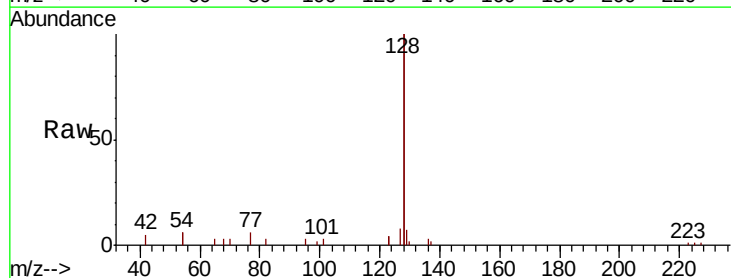
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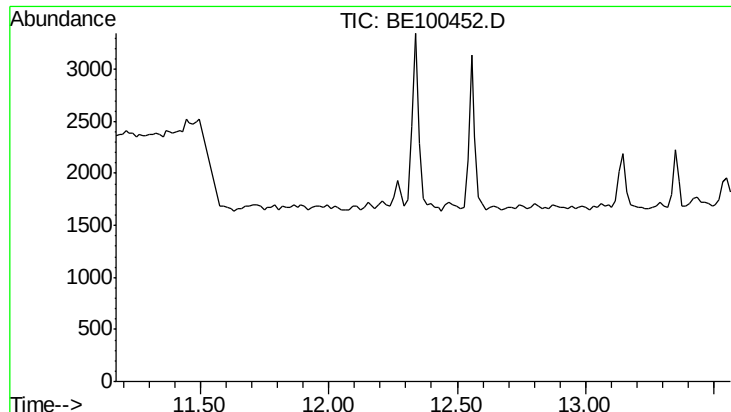
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#9
 Naphthalene
 Concen: 0.070 ng
 RT: 10.72 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: BE100452.D
 Acq: 17 Jul 2019 15:53

Tgt Ion	128	Resp:	13388
Ion Ratio	Lower	Upper	
128	100		
129	3.6	2.2	3.4#
127	3.9	2.7	4.1





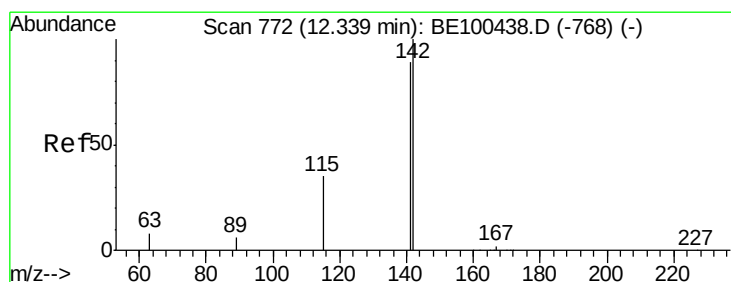
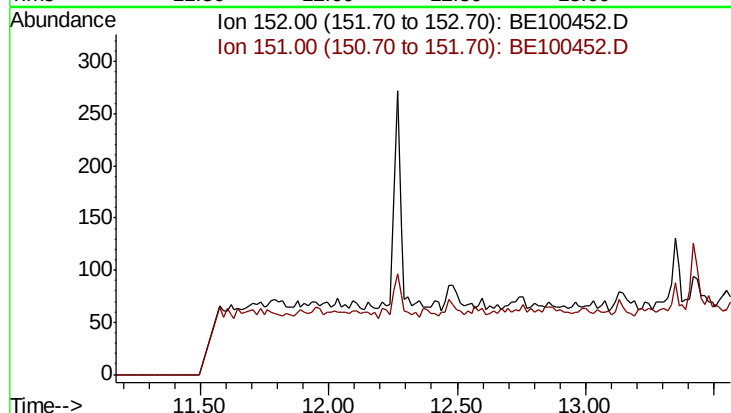
#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.27 min
 Lab File: BE100452.D
 Acq: 17 Jul 2019 15:53

Tot Ion: 152
 Sig Exp Ratio
 152 100
 151 20.0

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP3DL

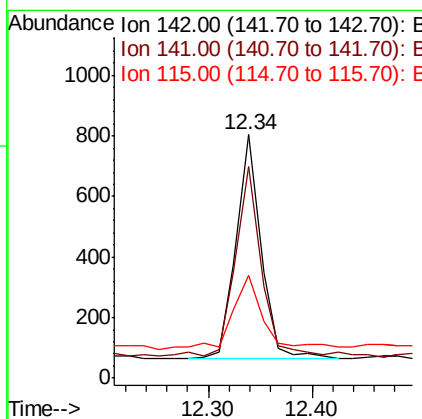
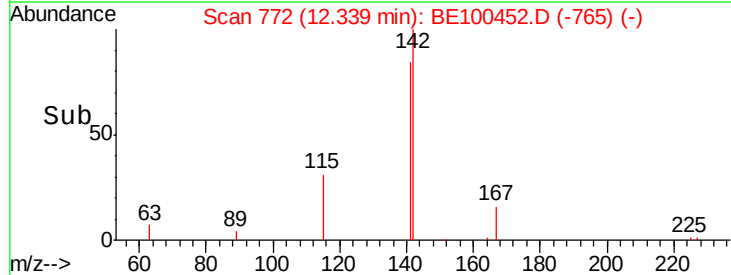
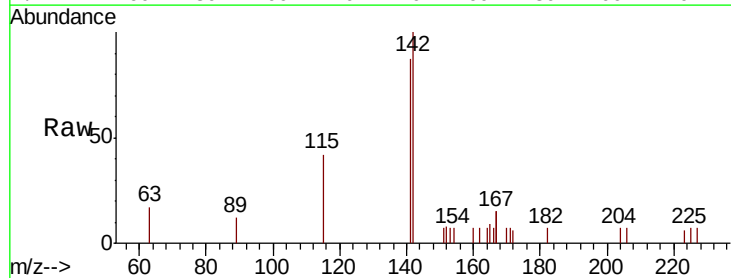
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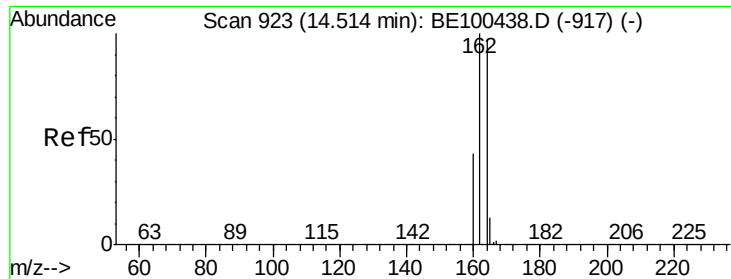
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#12
 2-Methylnaphthalene
 Concen: 0.039 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE100452.D
 Acq: 17 Jul 2019 15:53

Tgt Ion: 142 Resp: 1242
 Ion Ratio Lower Upper
 142 100
 141 86.7 70.9 106.3
 115 42.2 29.0 43.4





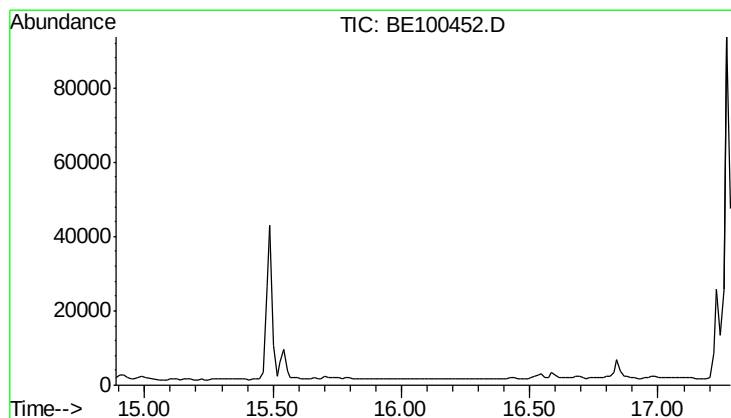
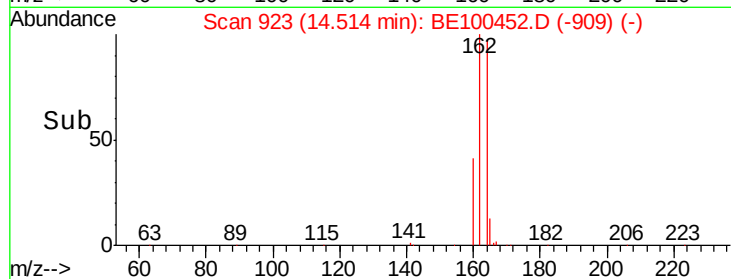
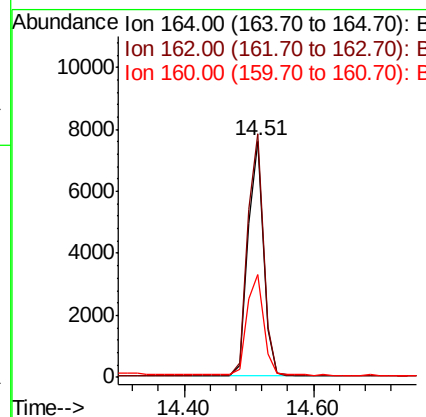
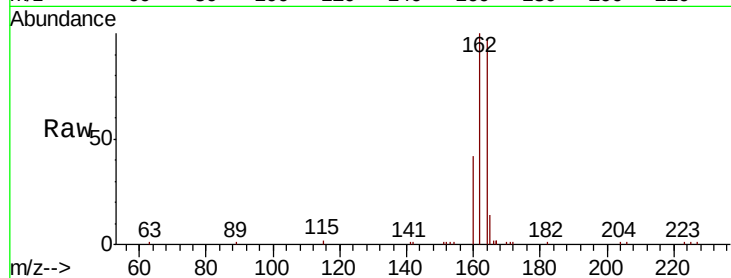
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	124.0
160	43.6	35.6	53.4

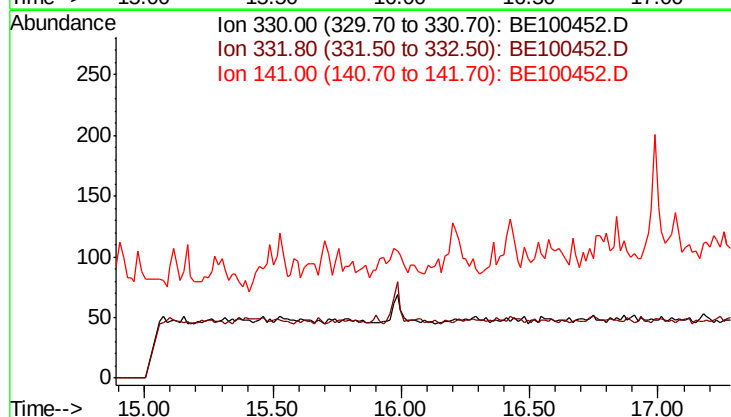
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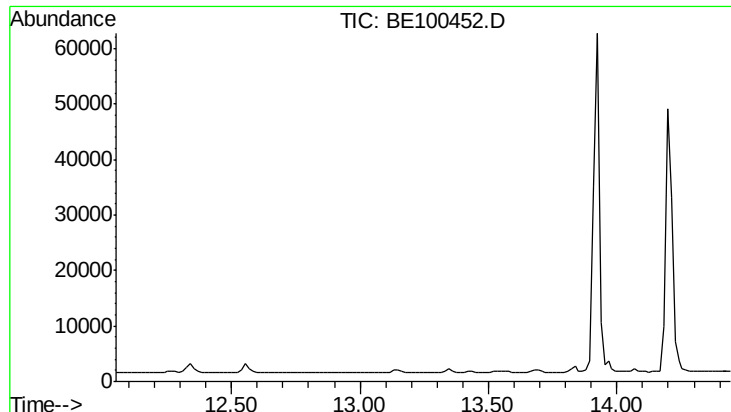
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#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.98 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

Tgt Ion	Exp Ratio
330	100
332	95.4
141	35.1





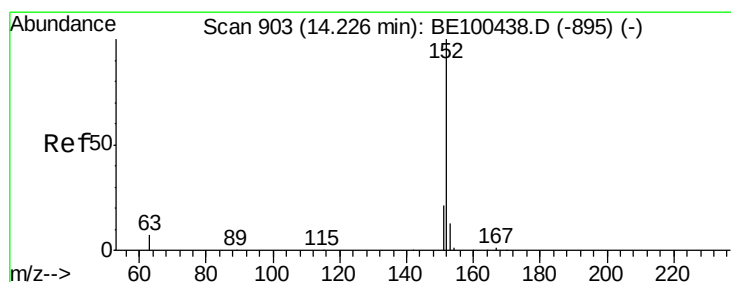
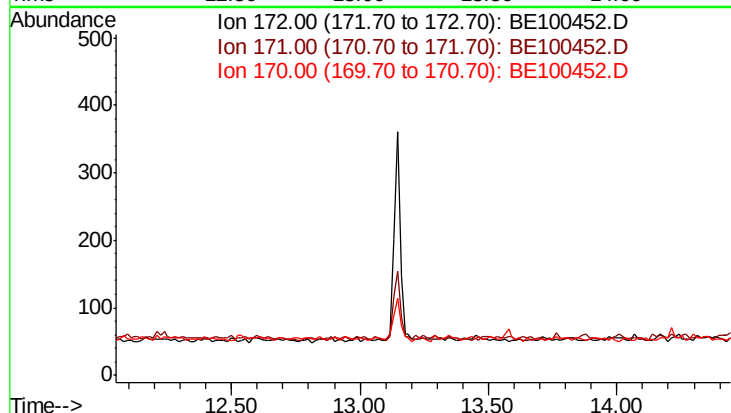
#15
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.15 min
 Lab File: BE100452.D
 Acq: 17 Jul 2019 15:53

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP3DL

Tot Ion: 172
 Sig Exp Ratio
 172 100
 171 33.7
 170 21.7

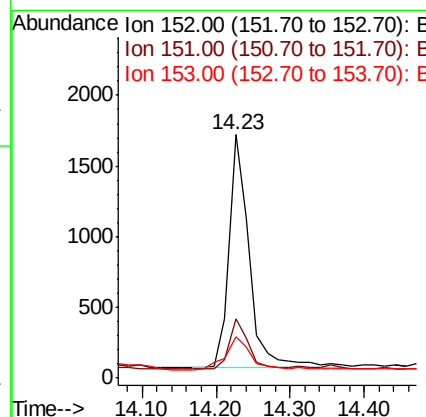
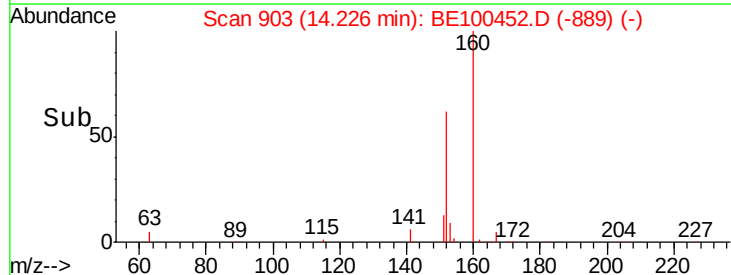
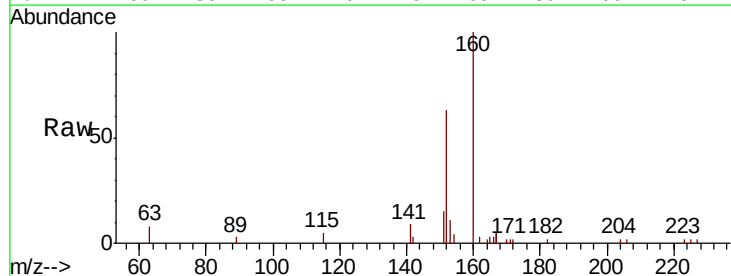
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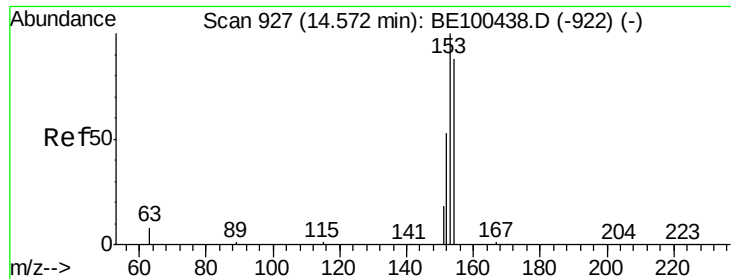
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#16
 Acenaphthylene
 Concen: 0.063 ng
 RT: 14.23 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: BE100452.D
 Acq: 17 Jul 2019 15:53

Tgt Ion: 152 Resp: 3169
 Ion Ratio Lower Upper
 152 100
 151 20.7 15.8 23.8
 153 17.5 10.4 15.6#





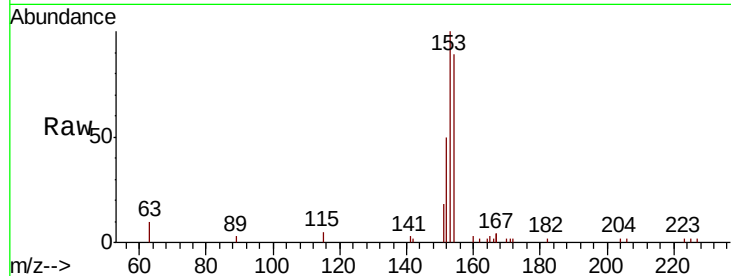
#17
Acenaphthene
Concen: 0.113 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.00 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.6	91.0	136.4
152	57.3	49.4	74.2

Manual Integrations
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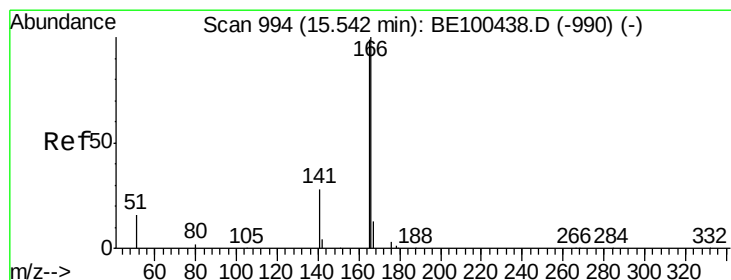
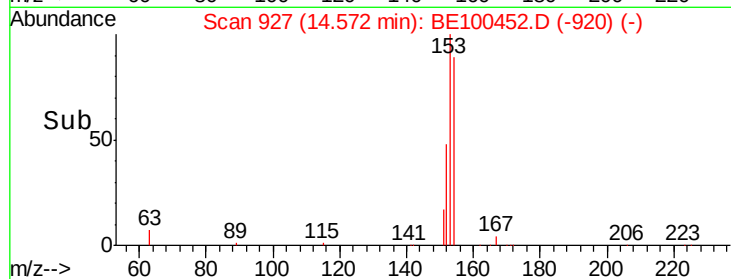
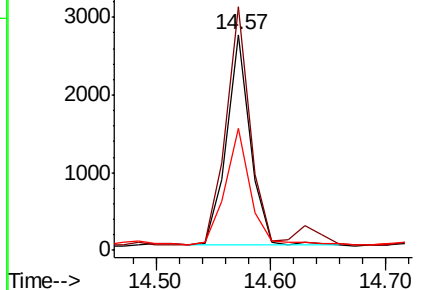


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.131 ng
RT: 15.54 min Scan# 994
Delta R.T. -0.00 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

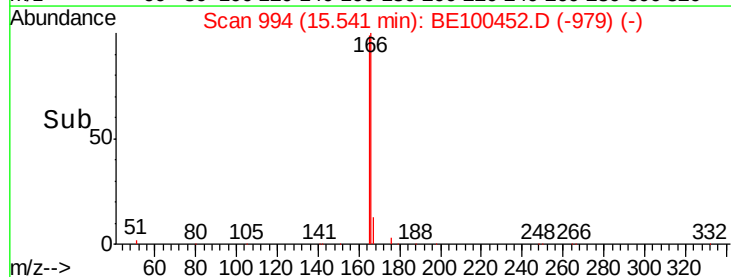
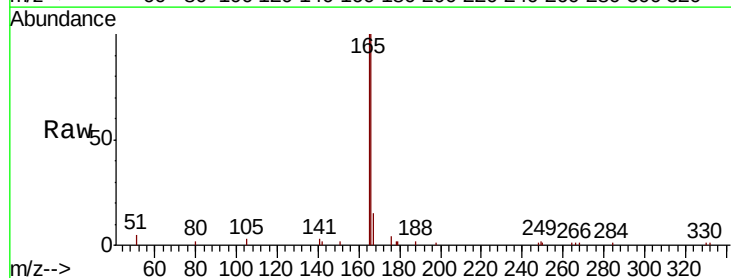
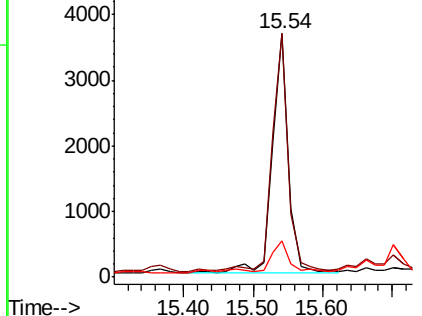
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.6	119.4
167	14.3	10.6	15.8

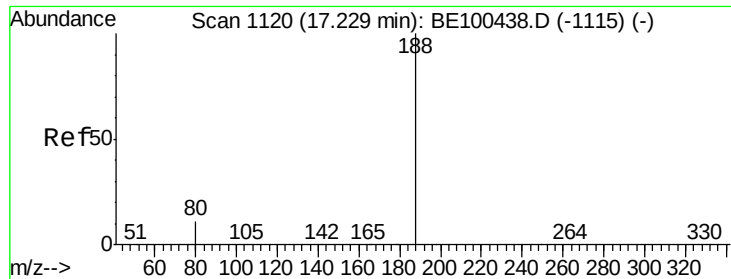
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





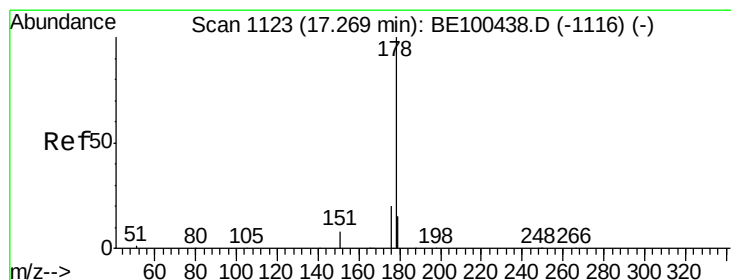
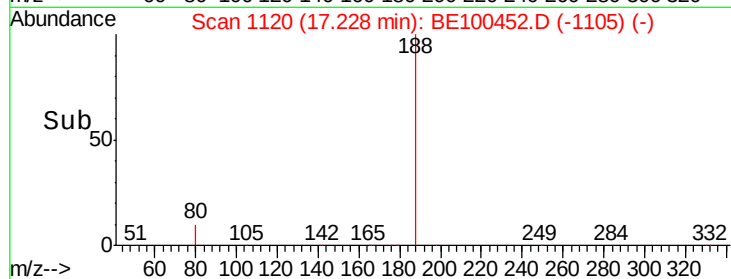
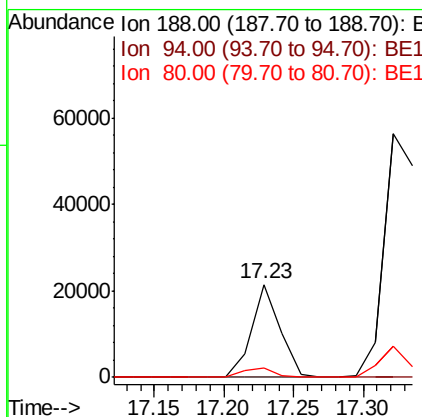
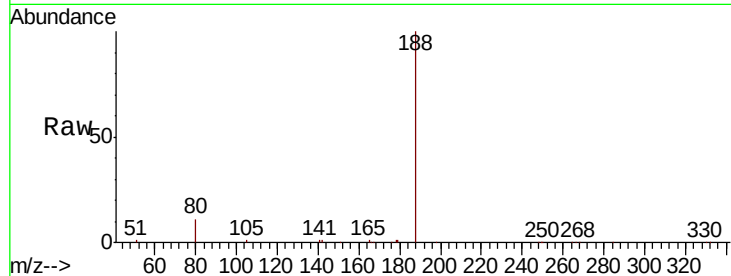
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	30527		
94	0.0	0.0	0.0	0.0
80	10.5	9.2	13.8	

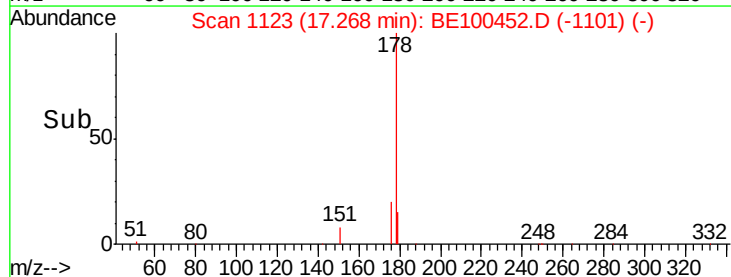
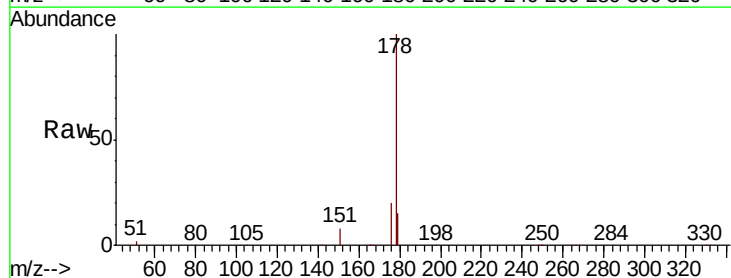
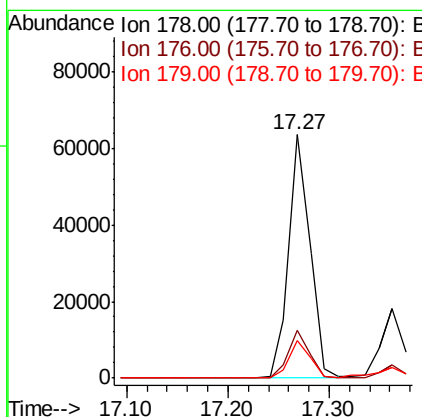
Manual Integrations
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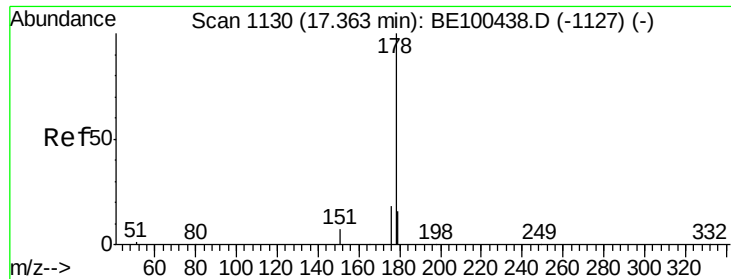
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#23
Phenanthrene
Concen: 1.133 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	92184		
176	19.4	15.5	23.3	
179	15.4	12.4	18.6	





#24

Anthracene

Concen: 0.410 ng

RT: 17.36 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BE100452.D

Acq: 17 Jul 2019 15:53

Instrument :

BNA_E

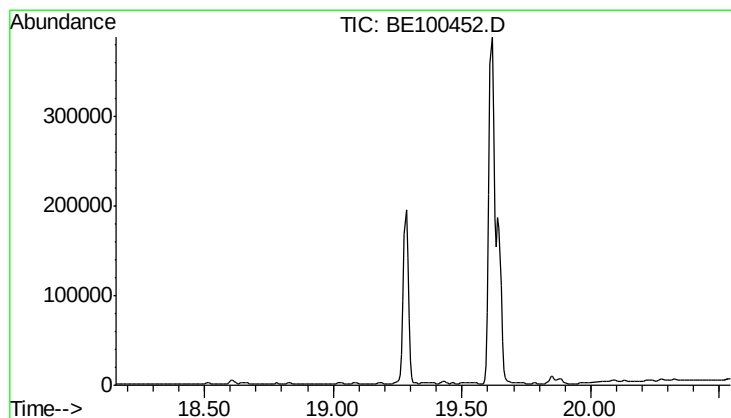
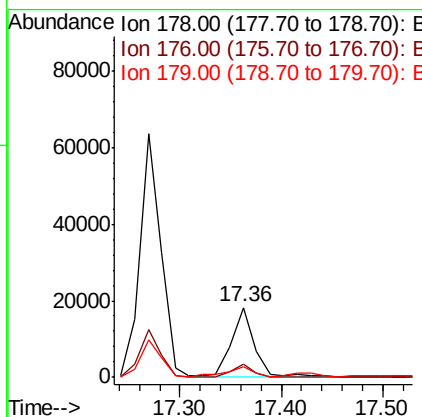
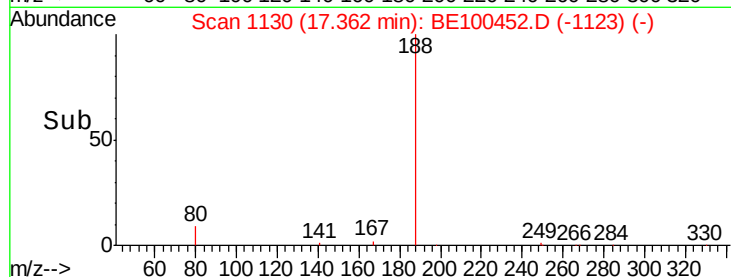
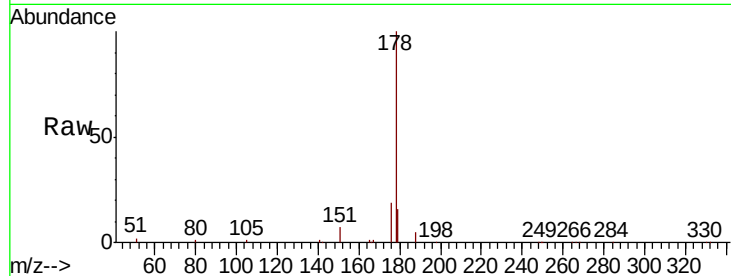
ClientSampleId :

HJDC-COMP3DL

Tot Ion:	178	Resp:	27537
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.0	22.4
179	16.8	12.3	18.5

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#25

Fluoranthene-d10

Concen: 0.000 ng

Expected RT: 19.25 min

Lab File: BE100452.D

Acq: 17 Jul 2019 15:53

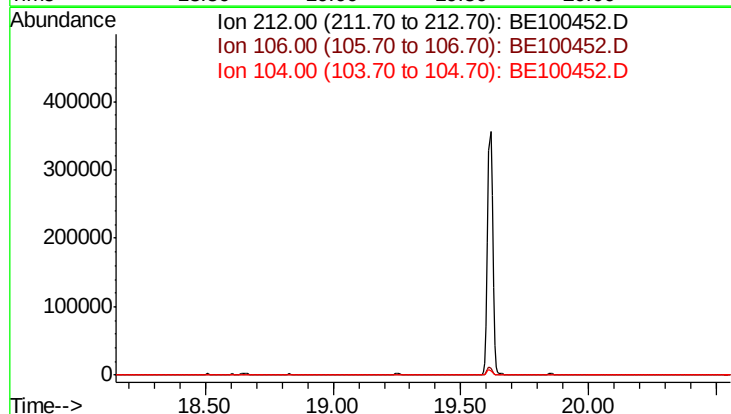
Tgt Ion: 212

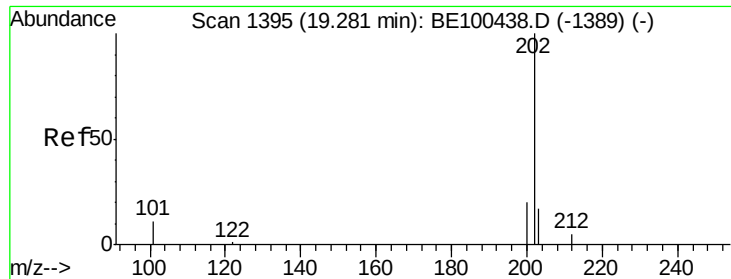
Sig Exp Ratio

212 100

106 3.2

104 1.8





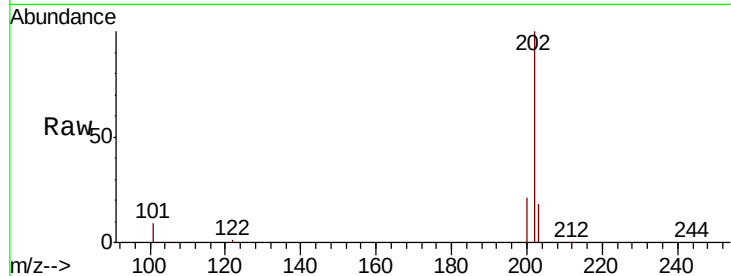
#26
Fluoranthene
Concen: 1.665 ng
RT: 19.28 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

Instrument :
BNA_E
ClientSampled :
HJDC-COMP3DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.2	8.9	13.3
203	17.4	13.8	20.6

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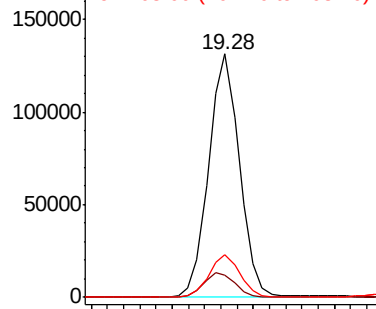


Abundance

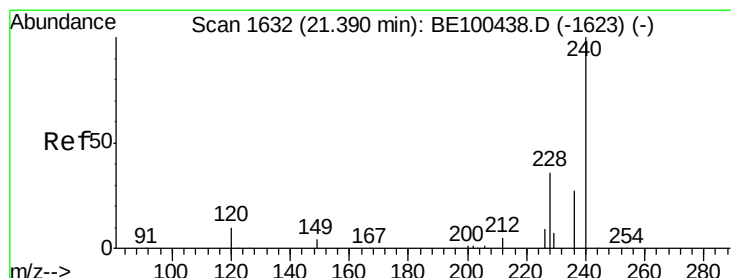
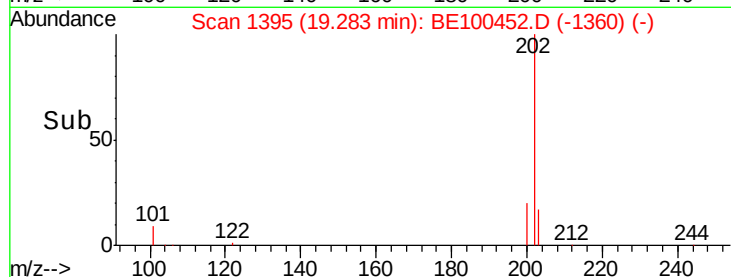
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.20 19.25 19.30 19.35



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

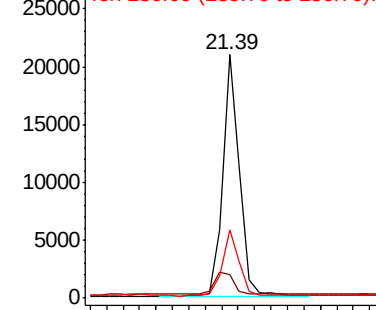
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.8	8.8	13.2
236	28.0	22.0	33.0

Abundance

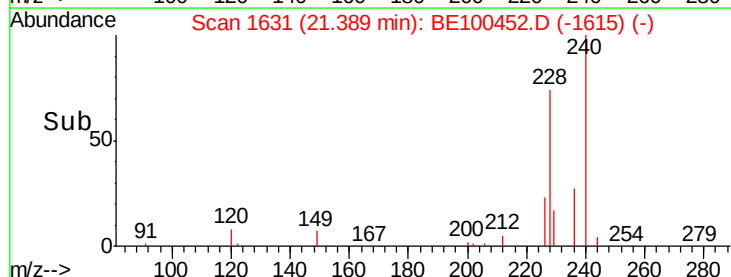
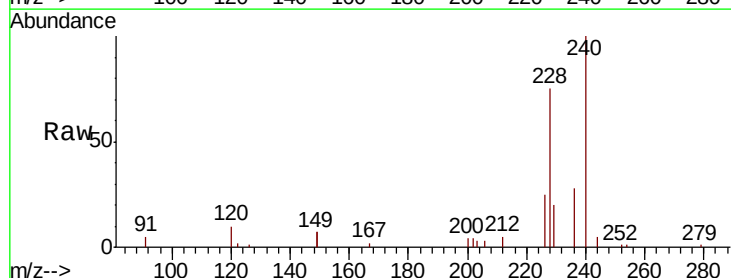
Ion 240.00 (239.70 to 240.70): E

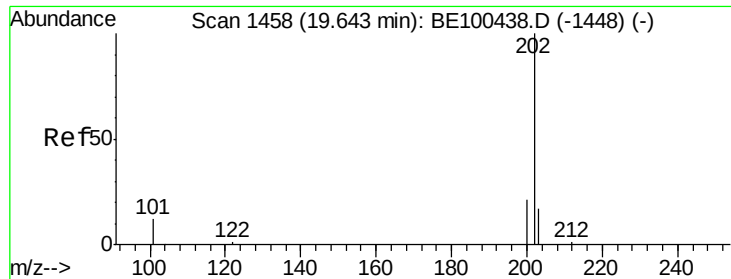
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.30 21.40 21.50





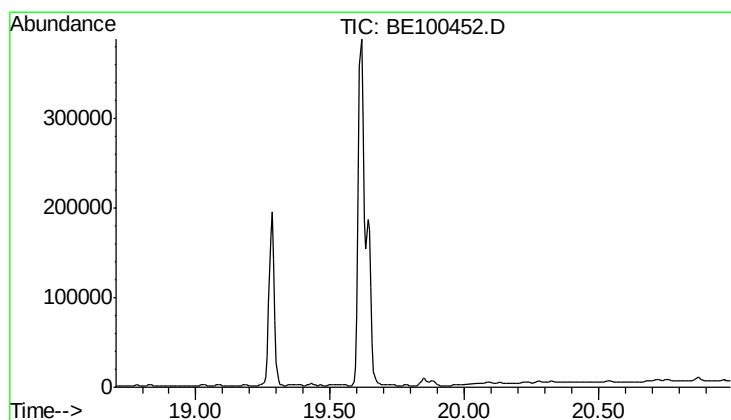
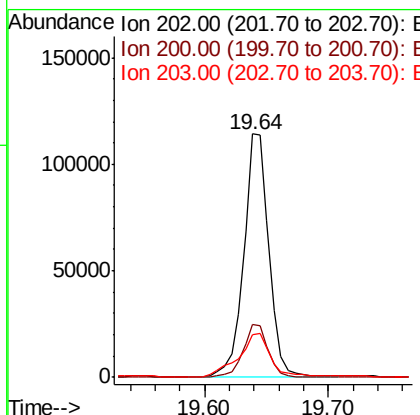
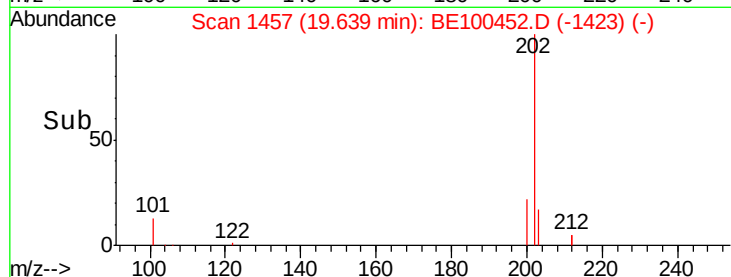
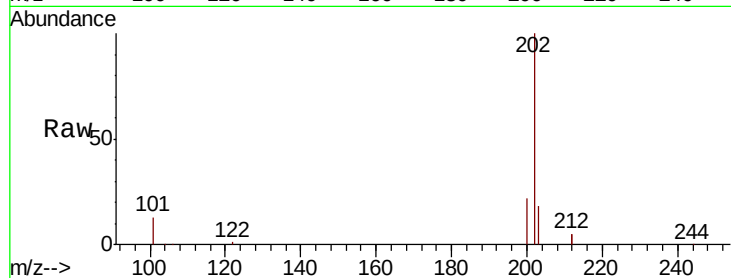
#28
Pvrene
Concen: 1.850 ng
RT: 19.64 min Scan# 1457
Delta R.T. -0.00 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	16.8	25.2
203	22.5	13.8	20.8

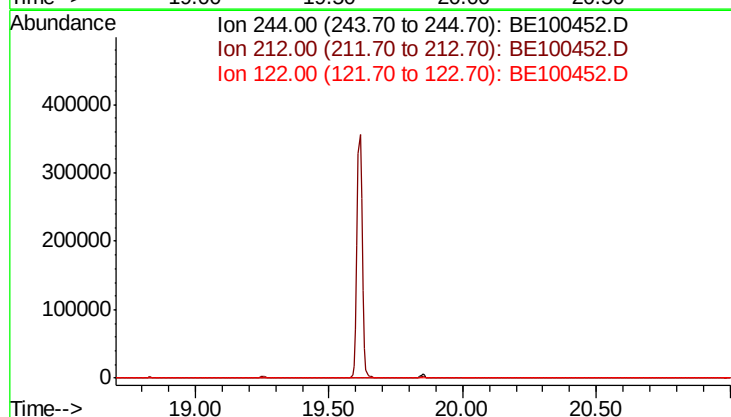
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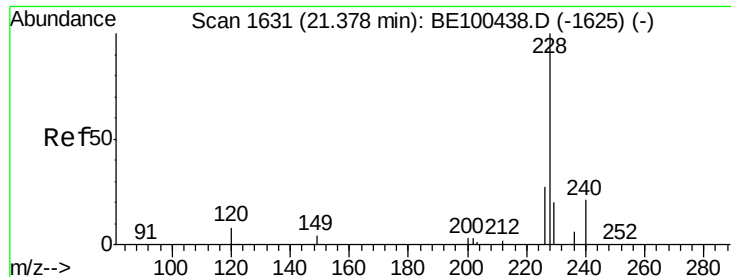
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#29
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.85 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

Tgt Ion	Sig	Exp Ratio
244	100	
212	32.9	
122	11.8	





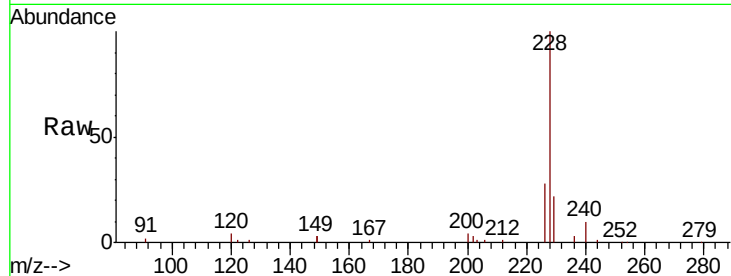
#30
Benzo(a)anthracene
Concen: 1.145 ng
RT: 21.38 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.6	32.4
229	21.8	15.8	23.8

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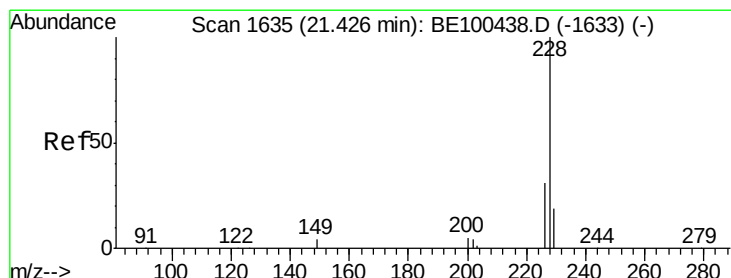
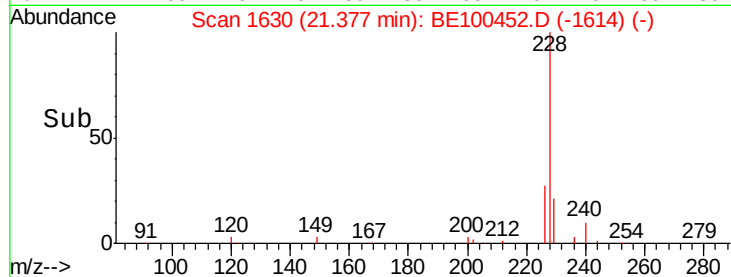
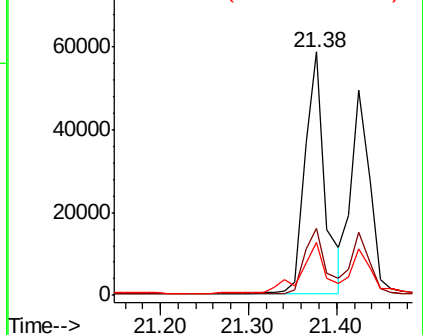


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 0.749 ng
RT: 21.43 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

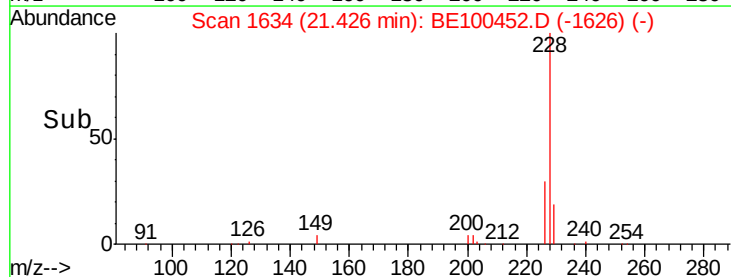
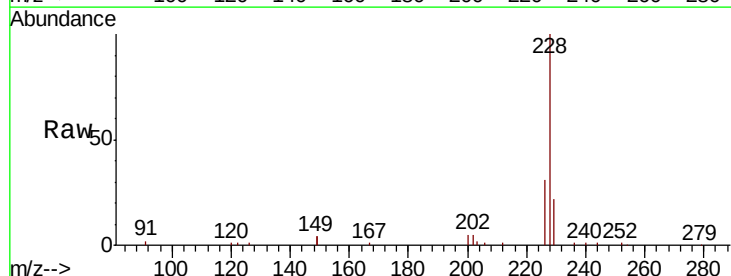
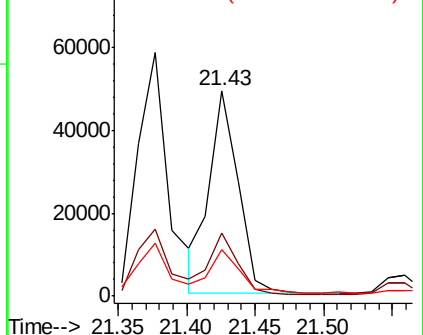
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.8	37.2
229	22.4	15.8	23.6

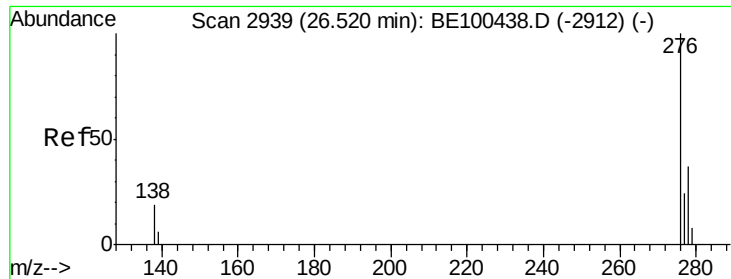
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





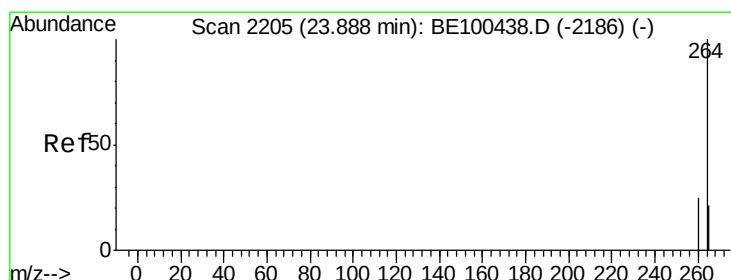
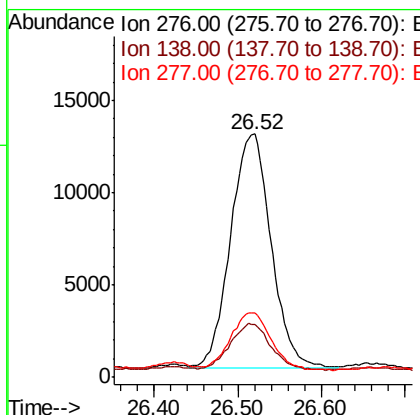
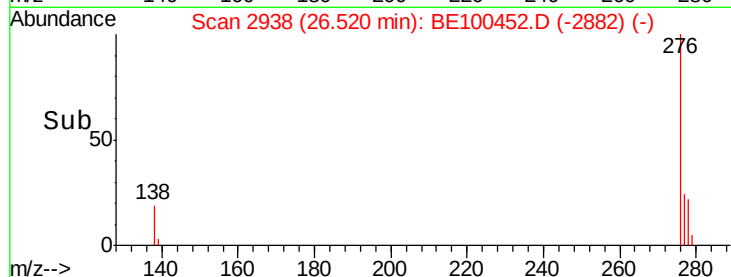
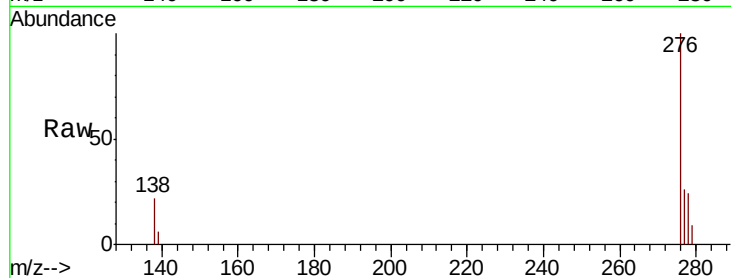
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.504 ng
 RT: 26.52 min Scan# 2938
 Delta R.T. -0.00 min
 Lab File: BE100452.D
 Acq: 17 Jul 2019 15:53

Instrument :
 BNA_E
 ClientSampled :
 HJDC-COMP3DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	17.0	25.6
277	23.8	19.8	29.6

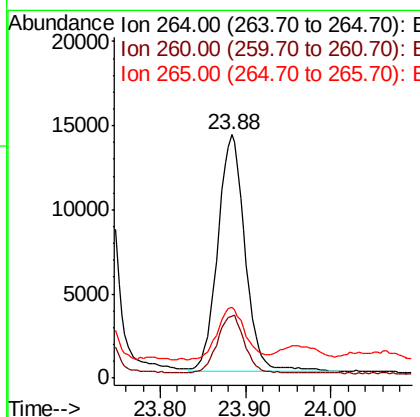
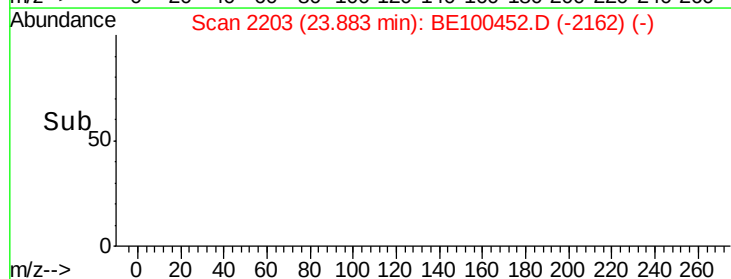
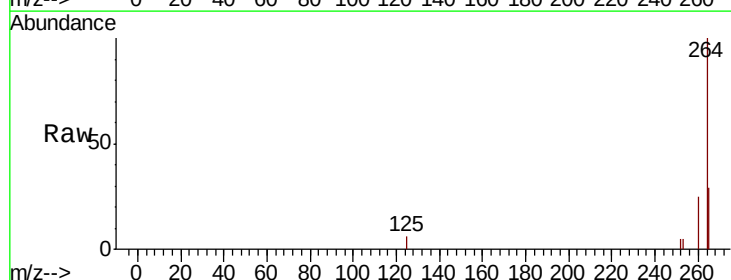
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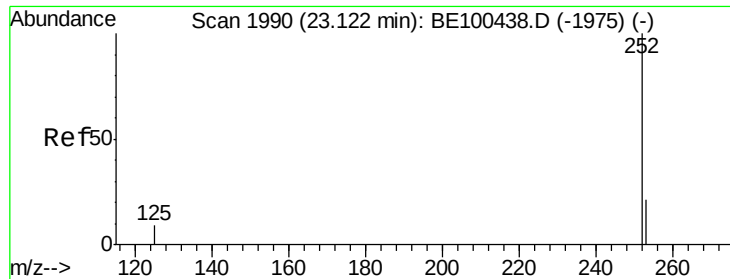
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.88 min Scan# 2203
 Delta R.T. -0.00 min
 Lab File: BE100452.D
 Acq: 17 Jul 2019 15:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.0	30.0
265	29.0	22.2	33.4





#35

Benzo(b)fluoranthene

Concen: 0.948 ng

RT: 23.12 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE100452.D

Acq: 17 Jul 2019 15:53

Instrument :

BNA_E

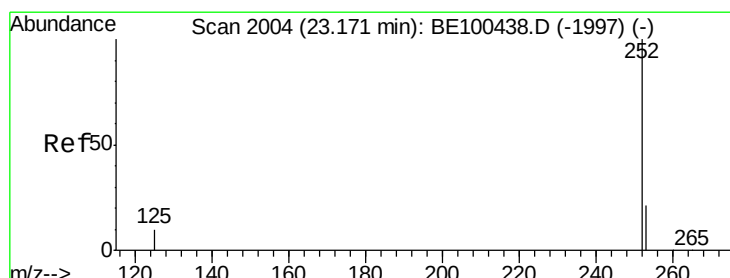
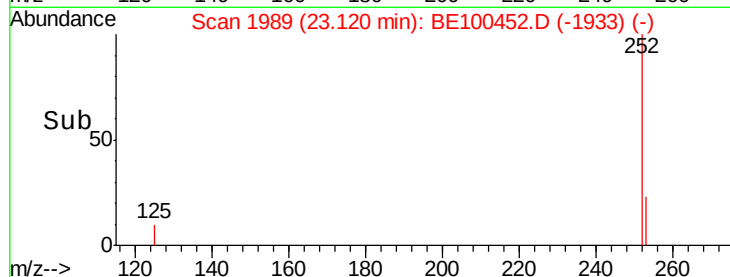
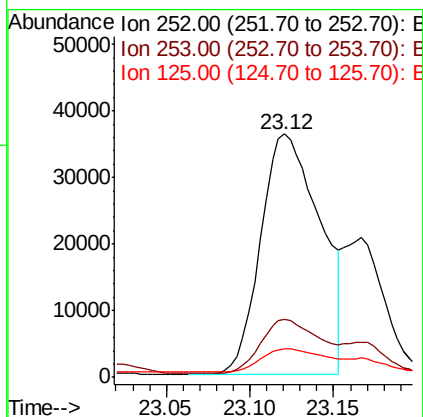
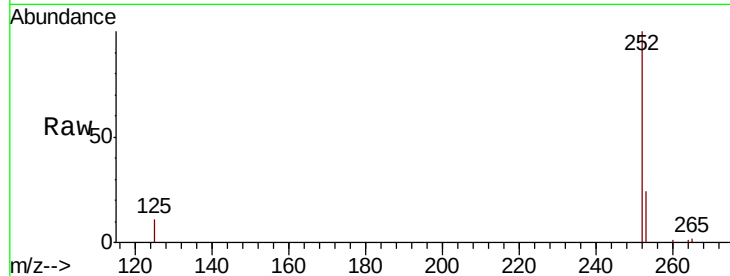
ClientSampleId :

HJDC-COMP3DL

Tot Ion:	252	Resp:	89694
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.5	26.3
125	11.5	8.0	12.0

Manual Integrations
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#36

Benzo(k)fluoranthene

Concen: 0.362 ng m

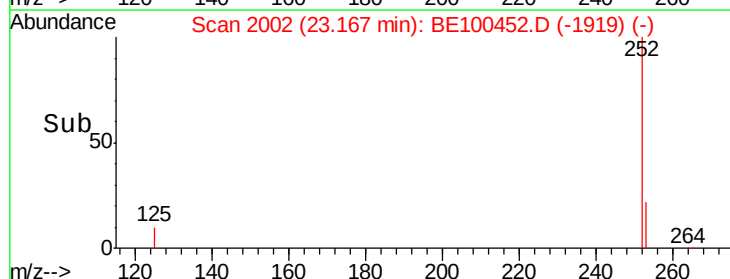
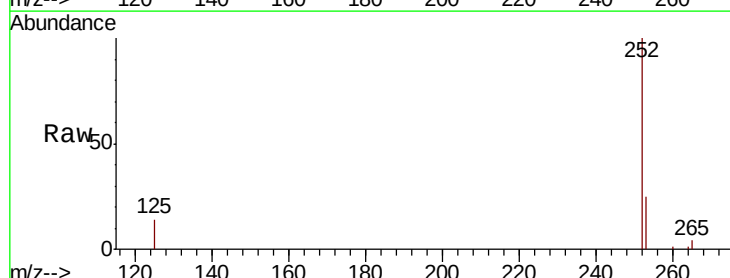
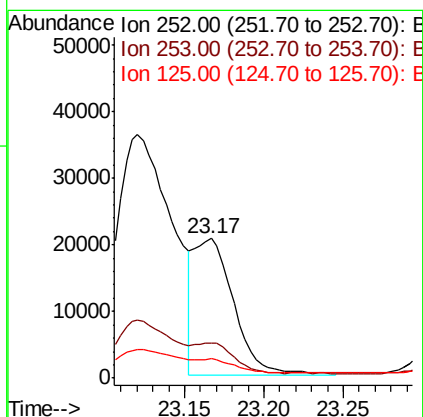
RT: 23.17 min Scan# 2002

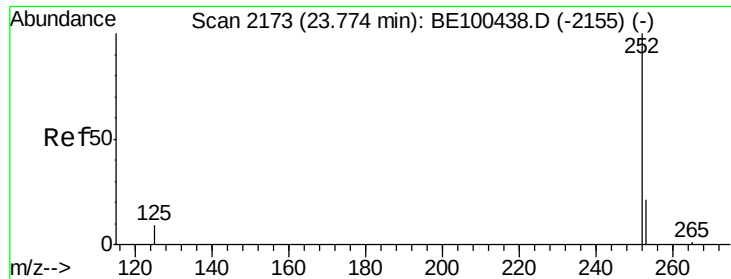
Delta R.T. -0.00 min

Lab File: BE100452.D

Acq: 17 Jul 2019 15:53

Tgt Ion:	252	Resp:	36273
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.7	26.5
125	13.7	8.3	12.5#





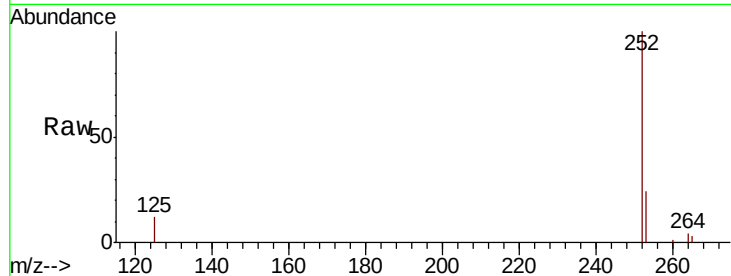
#37
Benzo(a)pyrene
Concen: 0.890 ng
RT: 23.77 min Scan# 2171
Delta R.T. -0.00 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	12.1	9.0	13.6

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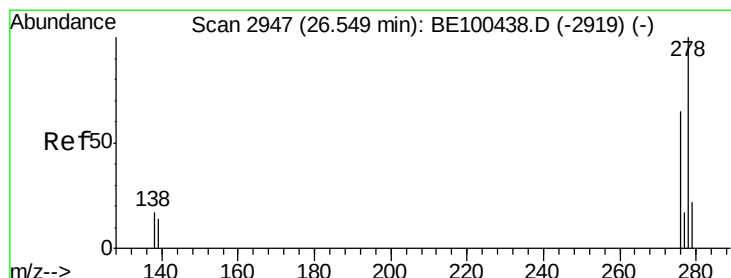
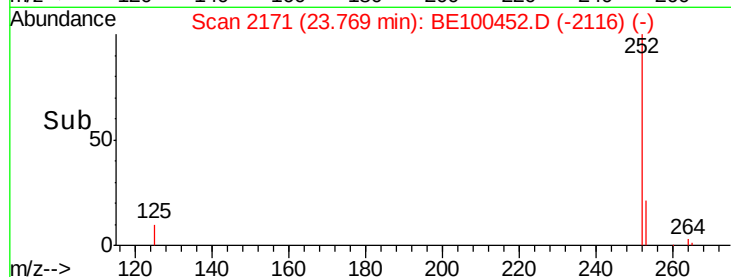
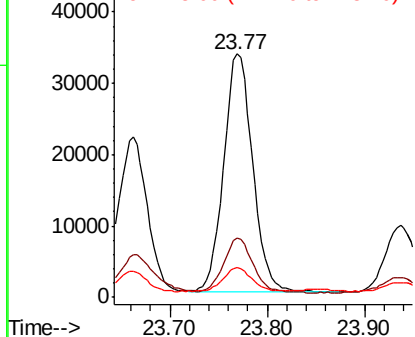


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38
Dibenzo(a,h)anthracene
Concen: 0.138 ng
RT: 26.53 min Scan# 2942
Delta R.T. -0.01 min
Lab File: BE100452.D
Acq: 17 Jul 2019 15:53

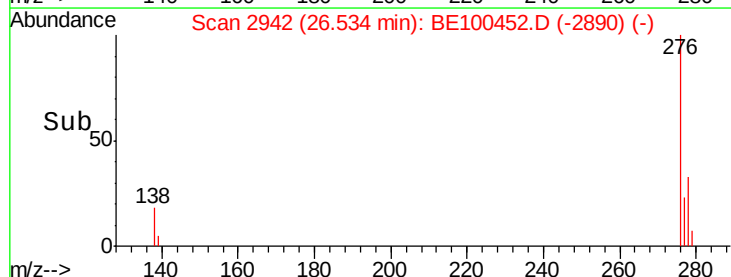
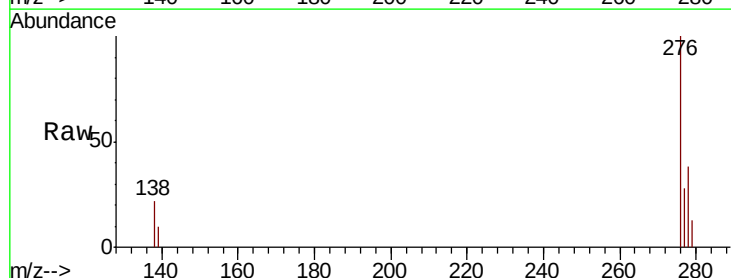
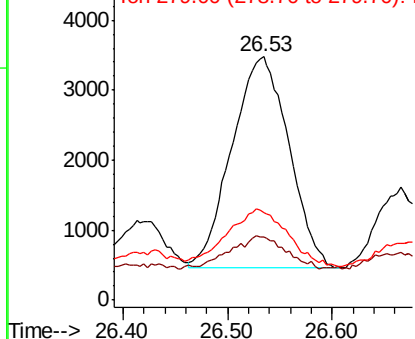
Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.7	12.2	18.2#
279	35.7	18.6	27.8#

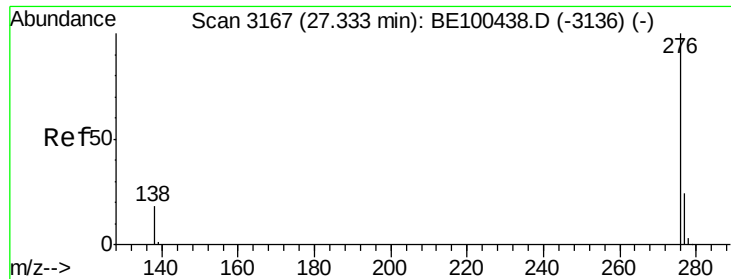
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.509 ng

RT: 27.32 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE100452.D

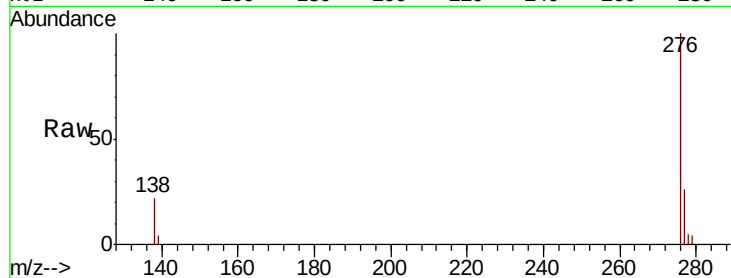
Acq: 17 Jul 2019 15:53

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP3DL



Tot Ion:	276	Resp:	44200
Ion Ratio	Lower	Upper	
276	100		
277	25.6	19.6	29.4
138	22.0	15.1	22.7

Manual Integrations
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