

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071719\
 Data File : BE100451.D
 Acq On : 17 Jul 2019 15:14
 Operator : HP/JU
 Sample : K3819-02DL 40X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP2DL

Manual Integrations
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Quant Time: Jul 17 17:52:27 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	7.88	152	4319	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	19692	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	12911	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	31876	0.40	ng	0.00
27) Chrysene-d12	21.39	240	32627	0.40	ng	0.00
34) Perylene-d12	23.88	264	32452	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	31280	0.163	ng	100
12) 2-Methylnaphthalene	12.34	142	1840	0.057	ng	94
17) Acenaphthene	14.57	154	4712	0.131	ng	98
18) Fluorene	15.54	166	6660	0.144	ng	98
23) Phenanthrene	17.27	178	110839	1.305	ng	100
24) Anthracene	17.36	178	22343	0.319	ng	# 96
26) Fluoranthene	19.28	202	187993	1.742	ng	99
28) Pyrene	19.64	202	181299	1.899	ng	# 95
30) Benzo(a)anthracene	21.38	228	98165	1.109	ng	98
31) Chrysene	21.43	228	81964	0.779	ng	98
33) Indeno(1,2,3-cd)pyrene	26.51	276	42957	0.459	ng	98
35) Benzo(b)fluoranthene	23.13	252	94920	0.957	ng	97
36) Benzo(k)fluoranthene	23.17	252	39187m	0.373	ng	
37) Benzo(a)pyrene	23.77	252	71427	0.876	ng	99
38) Dibenzo(a,h)anthracene	26.53	278	11532	0.133	ng	# 81
39) Benzo(g,h,i)perylene	27.33	276	42328	0.466	ng	97

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

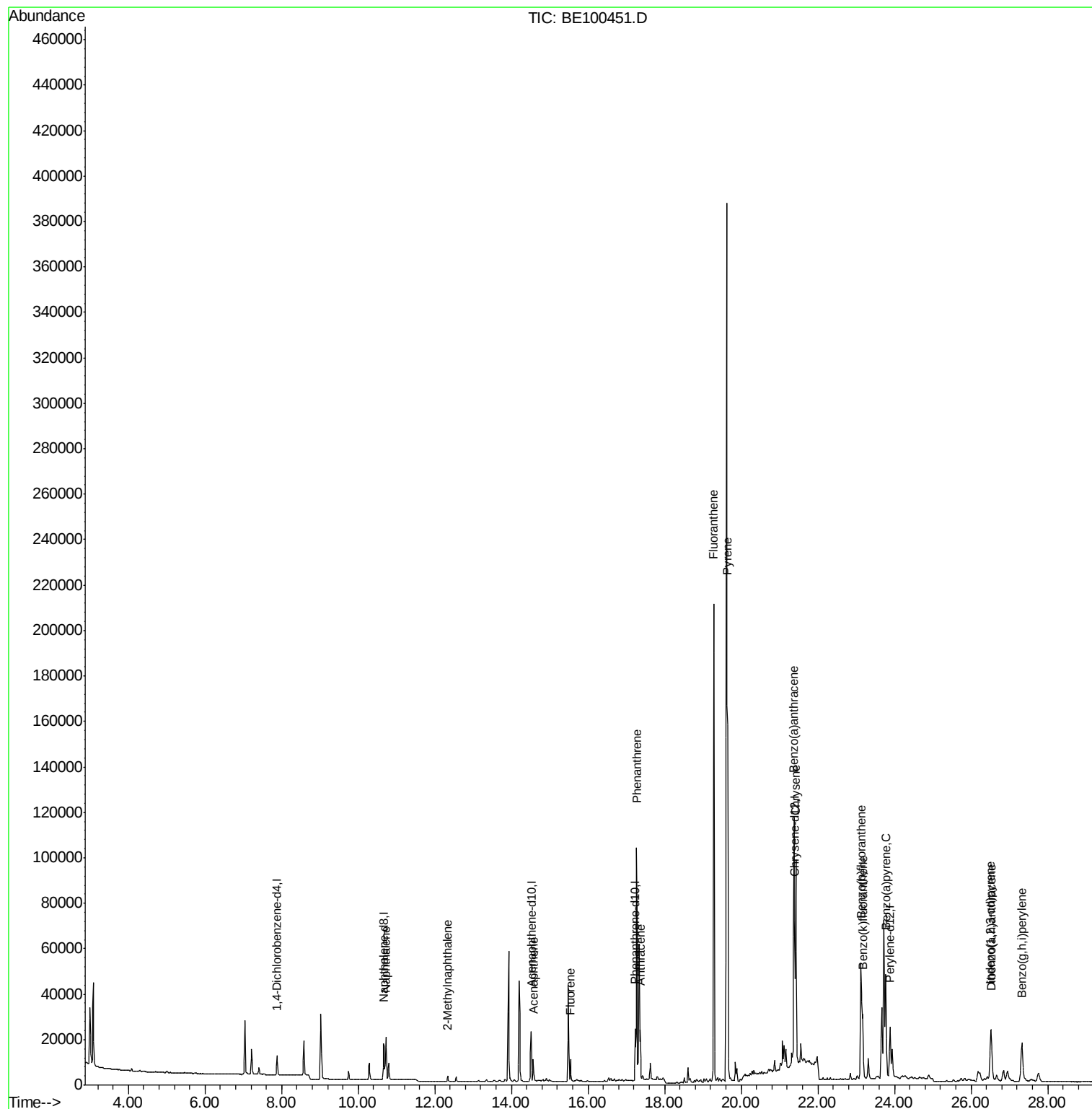
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071719\
Data File : BE100451.D
Acq On : 17 Jul 2019 15:14
Operator : HP/JU
Sample : K3819-02DL 40X
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ALS Vial : 4 Sample Multiplier: 1

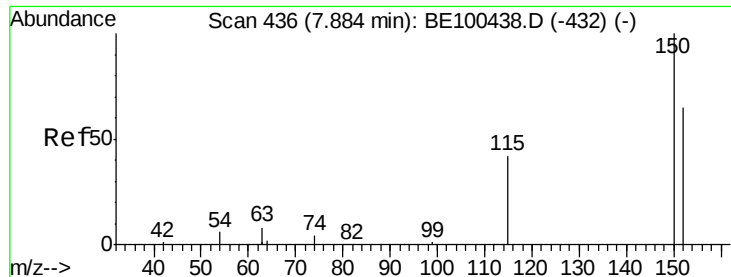
Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2DL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

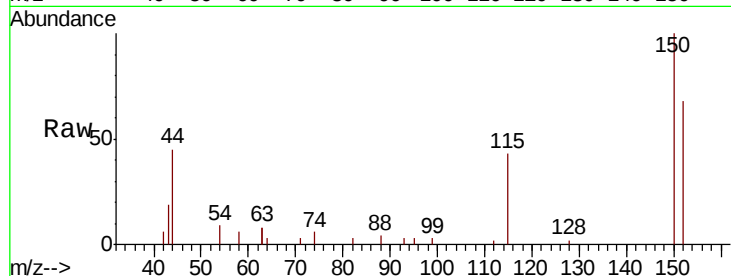
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 436
Delta R.T. -0.00 min
Lab File: BE100451.D
Acq: 17 Jul 2019 15:14

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.6	121.7	182.5
115	63.6	52.4	78.6

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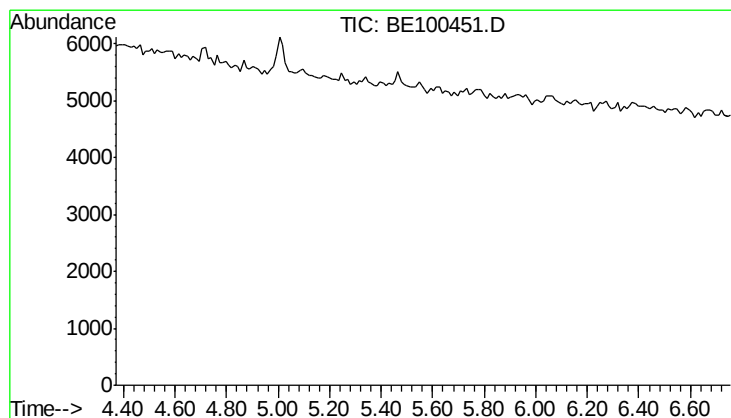
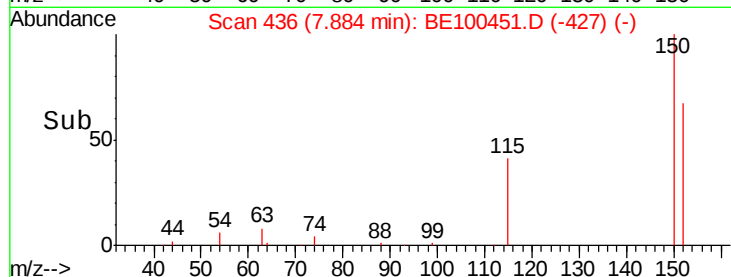
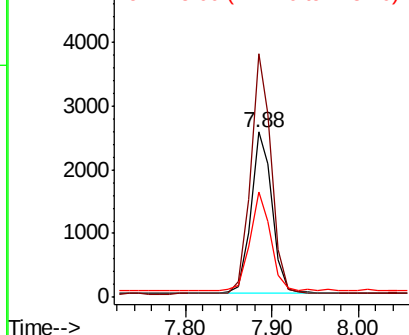


Abundance

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

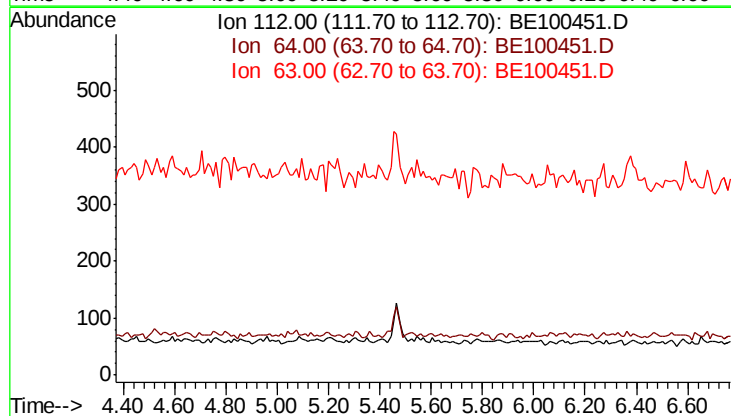


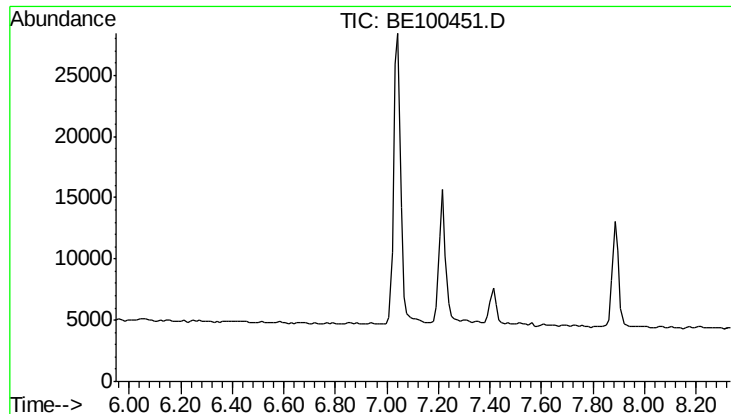
#4

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

Lab File: BE100451.D
Acq: 17 Jul 2019 15:14

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: BE100451.D

Acq: 17 Jul 2019 15:14

Tot Ion: 99

Sig Exp Ratio

99 100

42 21.8

71 35.3

Instrument :

BNA_E

ClientSampleId :

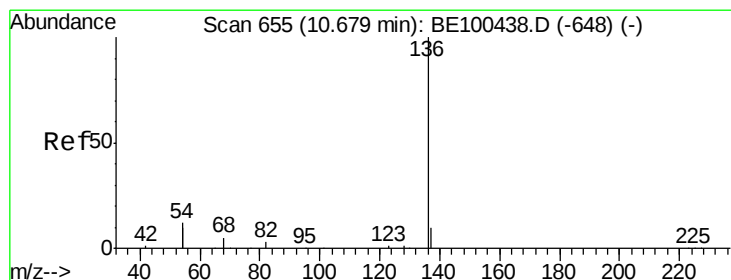
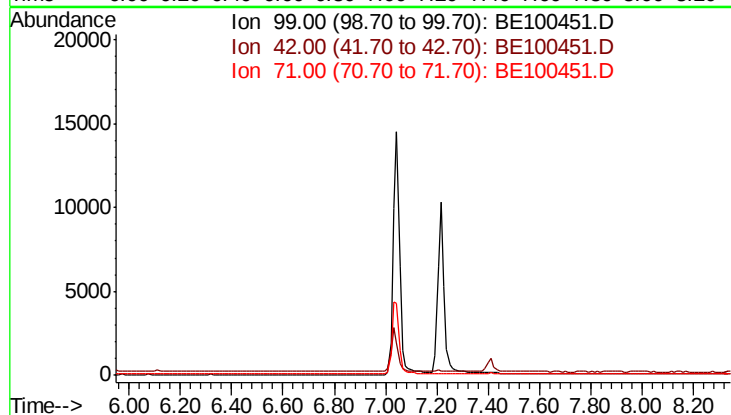
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#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 656

Delta R.T. 0.00 min

Lab File: BE100451.D

Acq: 17 Jul 2019 15:14

Tgt Ion:136 Resp: 19692

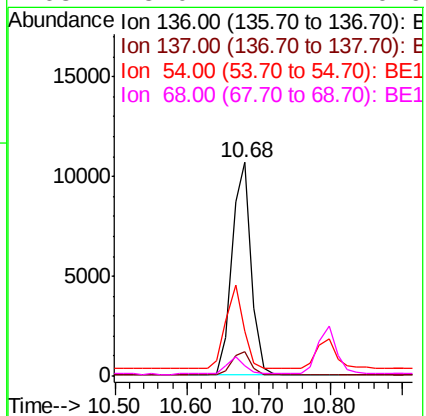
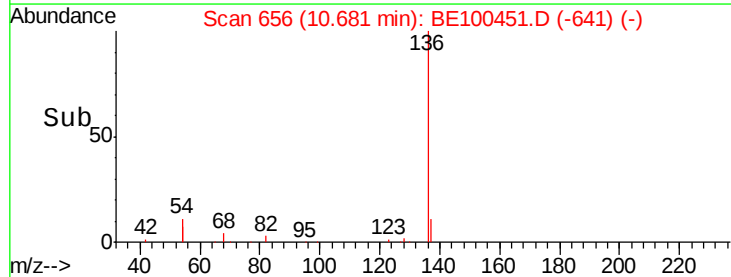
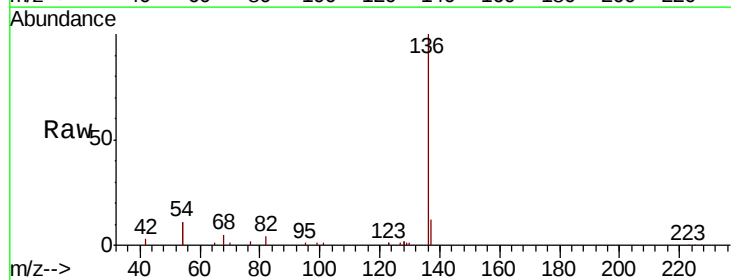
Ion Ratio Lower Upper

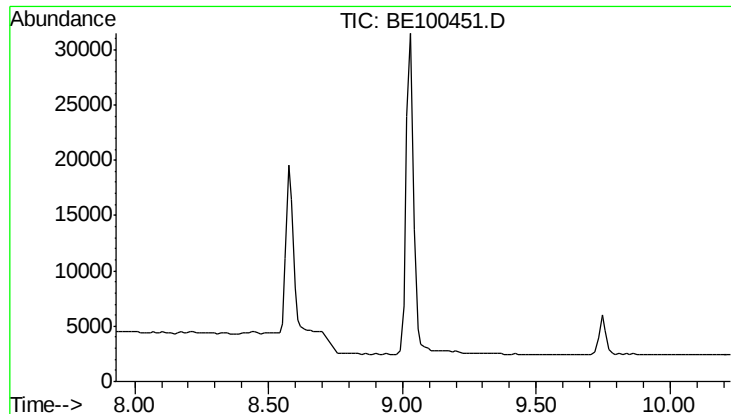
136 100

137 11.5 8.7 13.1

54 21.0 19.6 29.4

68 5.0 4.4 6.6





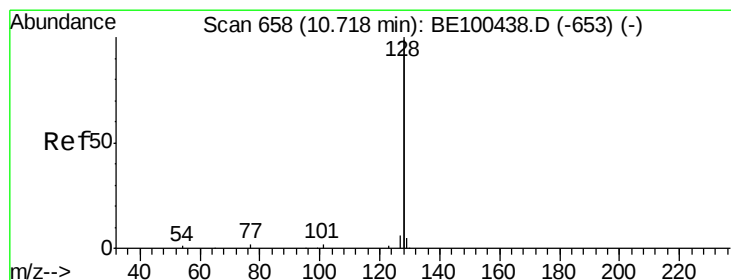
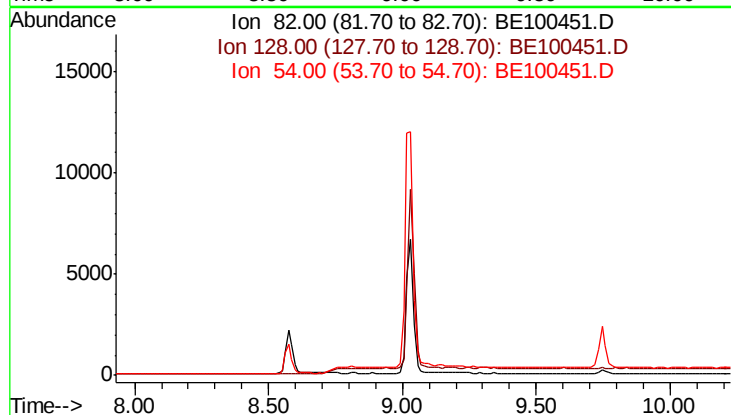
#8
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 9.03 min
 Lab File: BE100451.D
 Acq: 17 Jul 2019 15:14

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

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP2DL

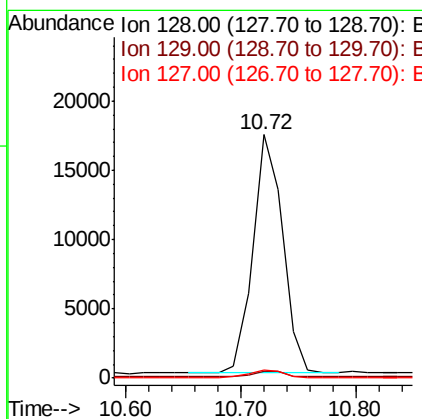
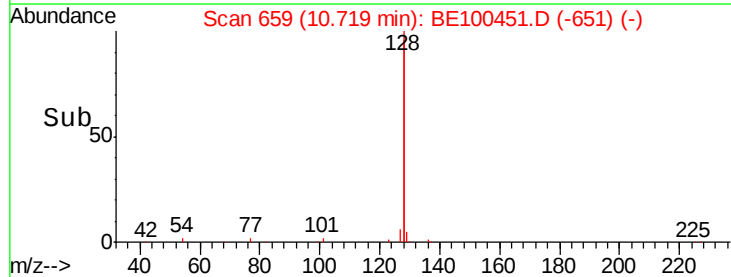
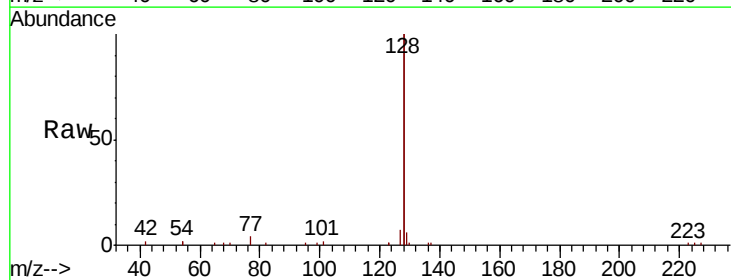
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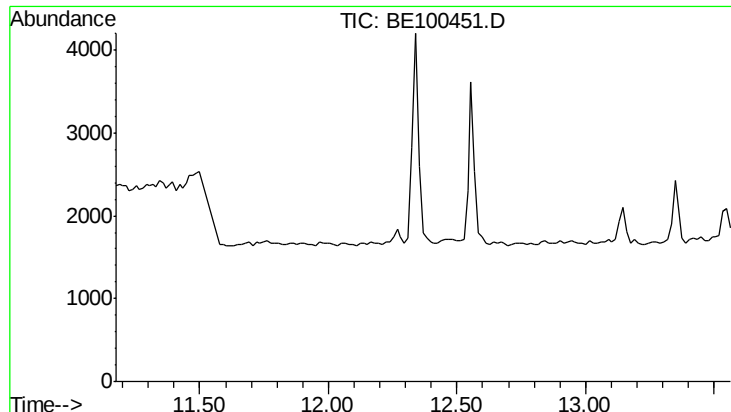
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#9
 Naphthalene
 Concen: 0.163 ng
 RT: 10.72 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: BE100451.D
 Acq: 17 Jul 2019 15:14

Tgt Ion	128	Resp	31280
Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.2	3.4
127	3.5	2.7	4.1





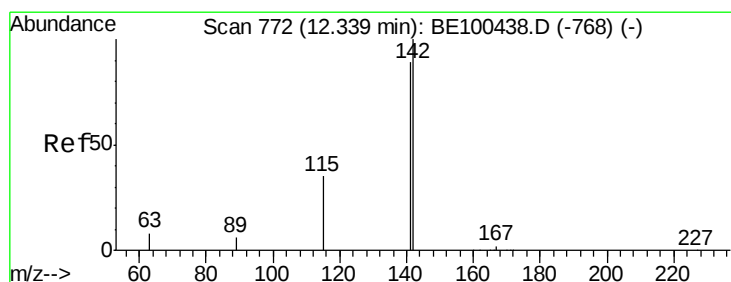
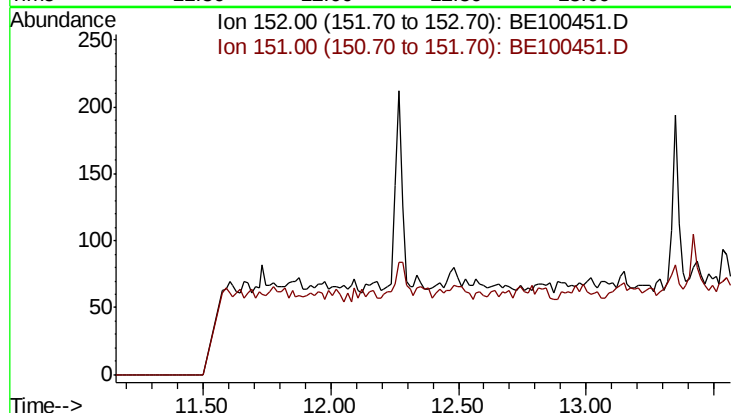
#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.27 min
 Lab File: BE100451.D
 Acq: 17 Jul 2019 15:14

Tot Ion: 152
 Sig Exp Ratio
 152 100
 151 20.0

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP2DL

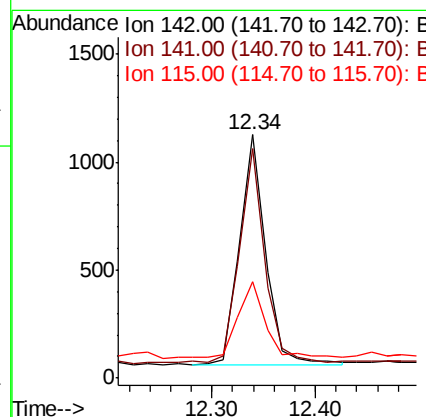
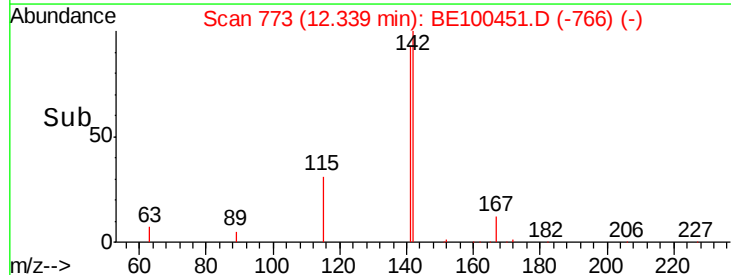
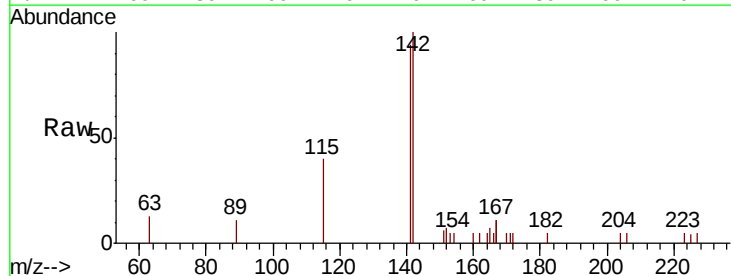
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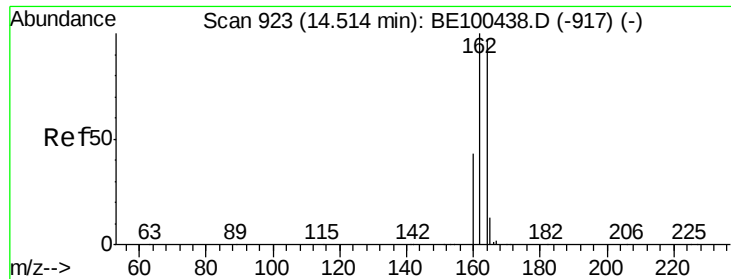
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#12
 2-Methylnaphthalene
 Concen: 0.057 ng
 RT: 12.34 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: BE100451.D
 Acq: 17 Jul 2019 15:14

Tgt Ion: 142 Resp: 1840
 Ion Ratio Lower Upper
 142 100
 141 94.1 70.9 106.3
 115 39.8 29.0 43.4





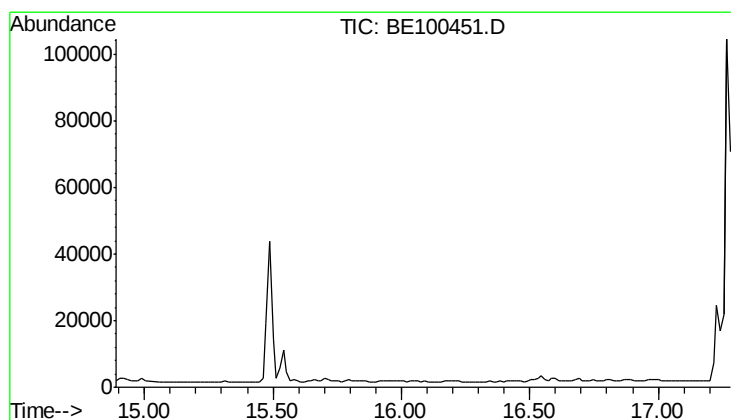
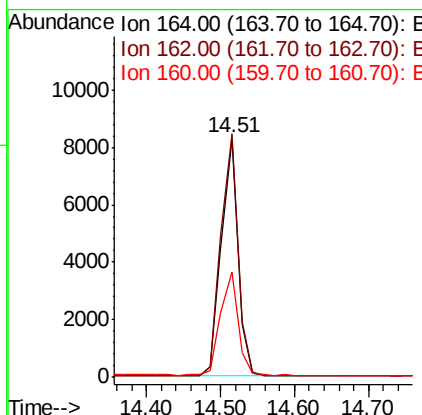
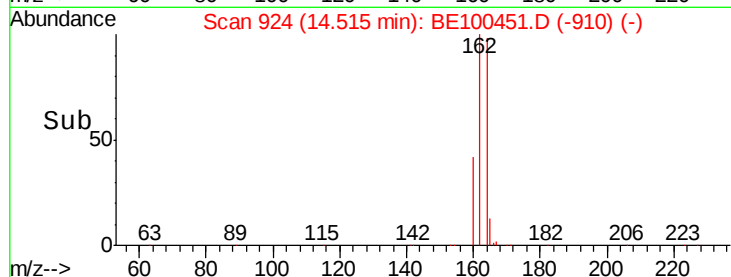
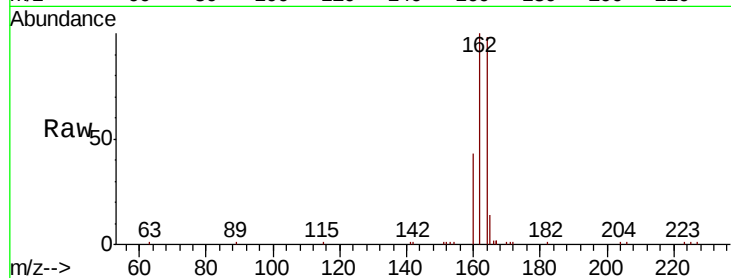
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BE100451.D
 Acq: 17 Jul 2019 15:14

Instrument :
 BNA_E
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.6	124.0
160	43.9	35.6	53.4

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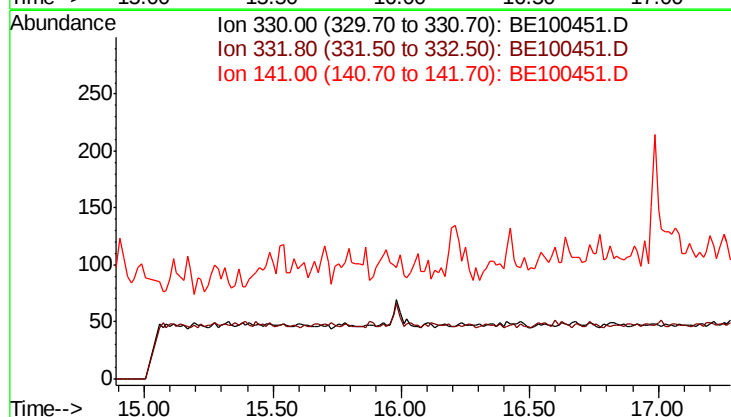
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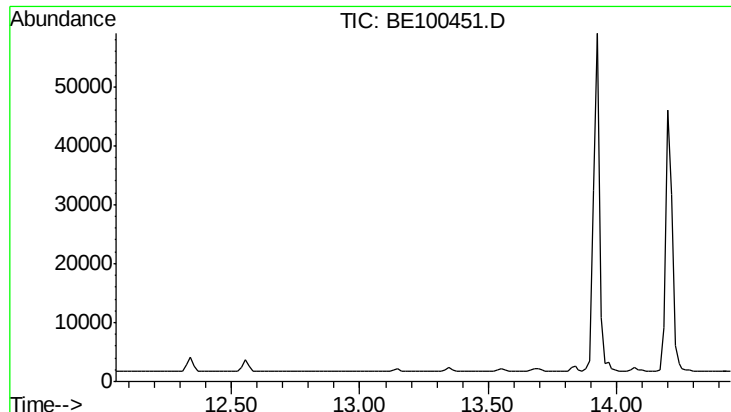


#14
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 15.98 min

Lab File: BE100451.D
 Acq: 17 Jul 2019 15:14

Tgt Ion	Exp Ratio
330	100
332	95.4
141	35.1





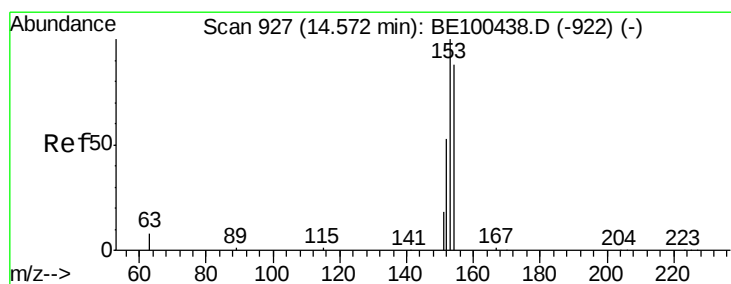
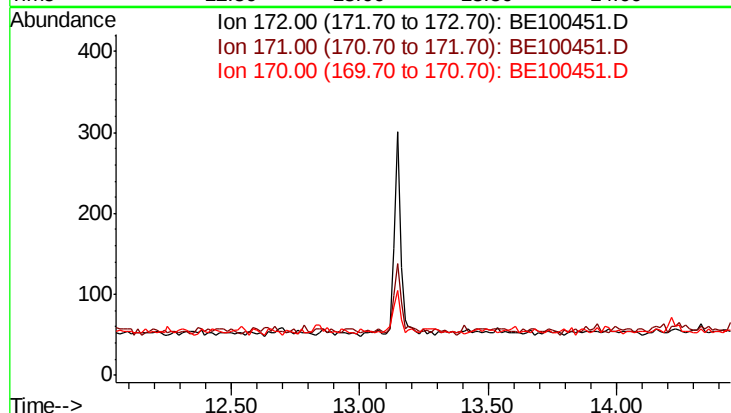
#15
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.15 min
 Lab File: BE100451.D
 Acq: 17 Jul 2019 15:14

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP2DL

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

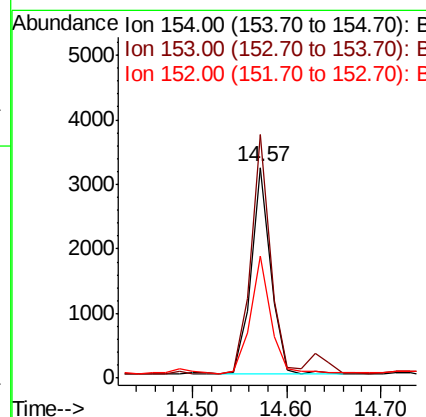
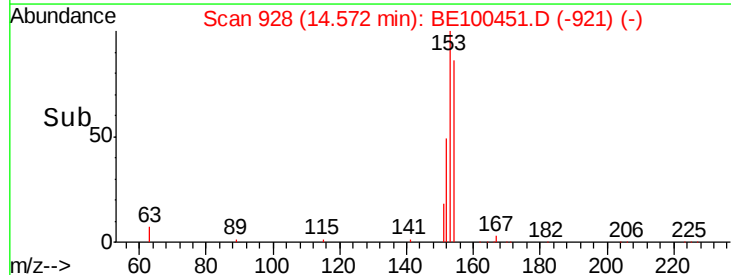
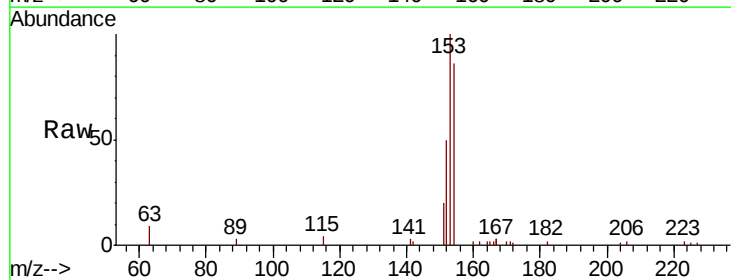
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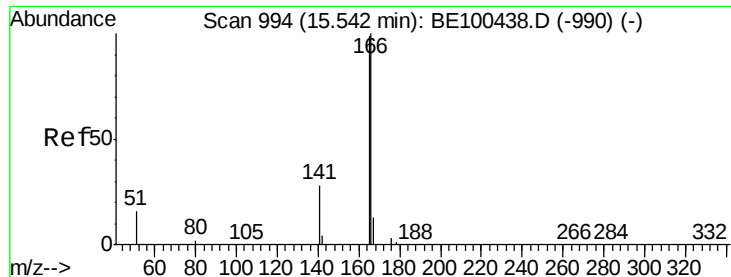
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#17
 Acenaphthene
 Concen: 0.131 ng
 RT: 14.57 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: BE100451.D
 Acq: 17 Jul 2019 15:14

Tgt Ion: 154 Resp: 4712
 Ion Ratio Lower Upper
 154 100
 153 113.8 91.0 136.4
 152 58.3 49.4 74.2





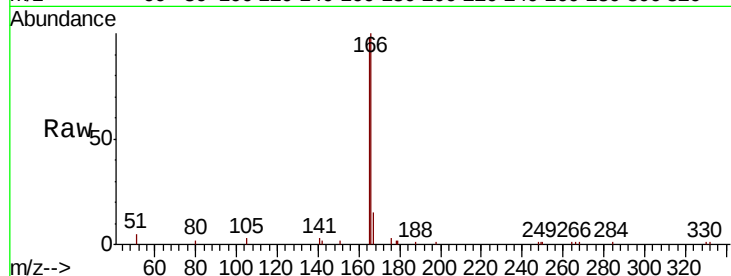
#18
 Fluorene
 Concen: 0.144 ng
 RT: 15.54 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: BE100451.D
 Acq: 17 Jul 2019 15:14

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP2DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.6	119.4
167	14.5	10.6	15.8

Manual Integrations
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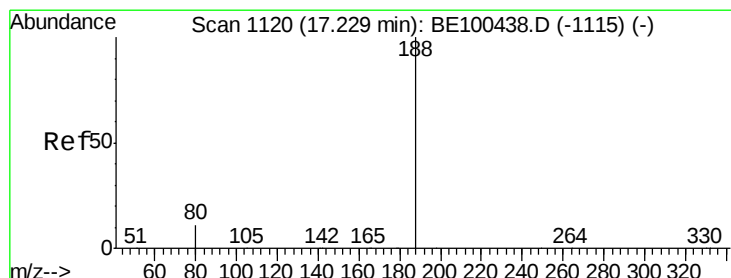
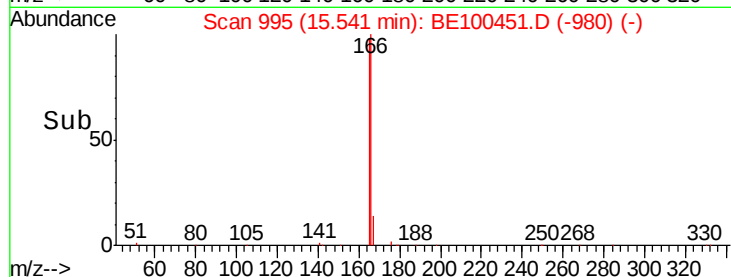
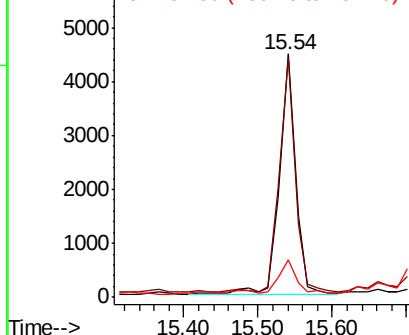


Abundance

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# 1121
 Delta R.T. -0.00 min
 Lab File: BE100451.D
 Acq: 17 Jul 2019 15:14

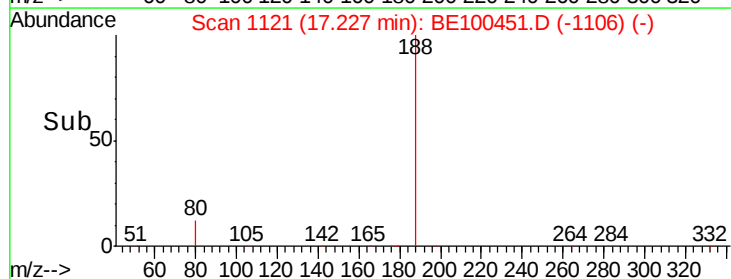
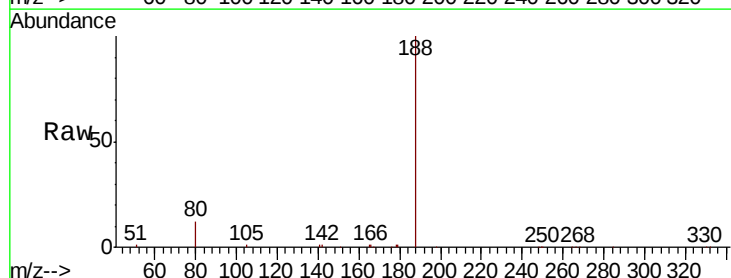
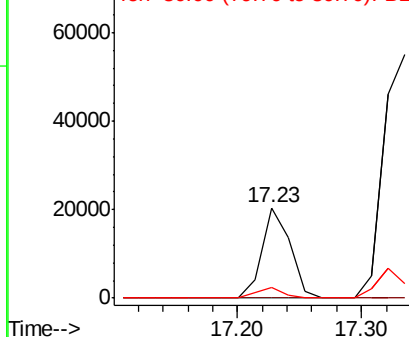
Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.3	9.2	13.8

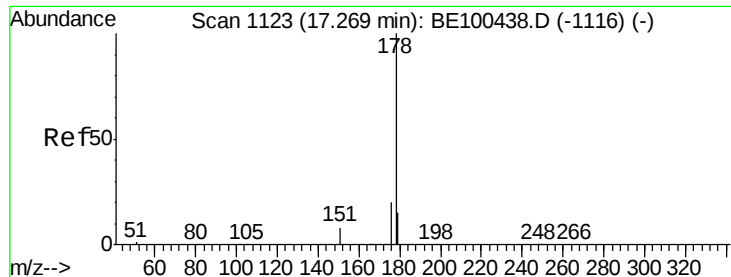
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1





#23

Phenanthrene

Concen: 1.305 ng

RT: 17.27 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BE100451.D

Acq: 17 Jul 2019 15:14

Instrument :

BNA_E

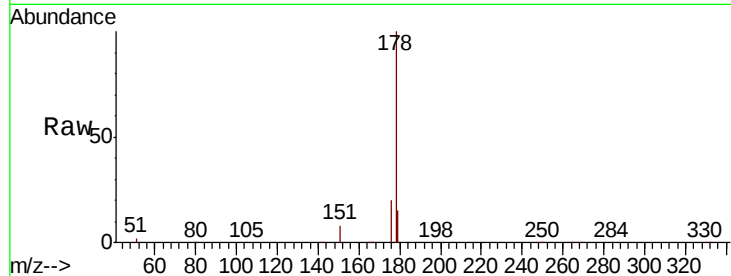
ClientSampleId :

HJDC-COMP2DL

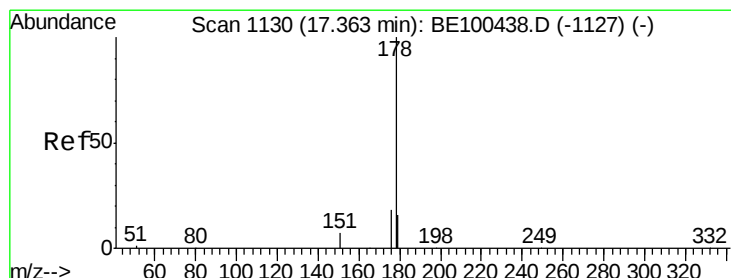
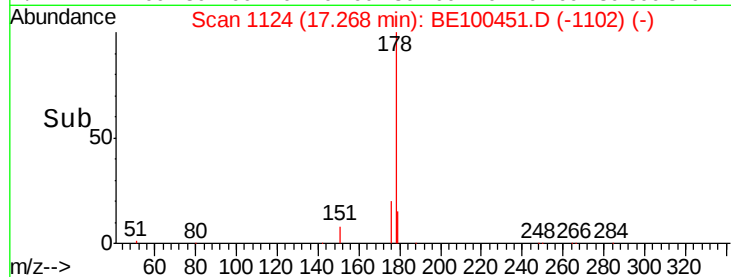
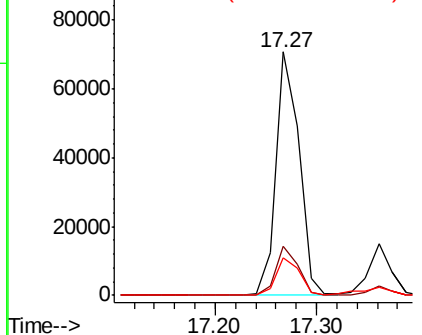
Tot Ion:	178	Resp:	110839
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.5	23.3
179	15.5	12.4	18.6

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.319 ng

RT: 17.36 min Scan# 1131

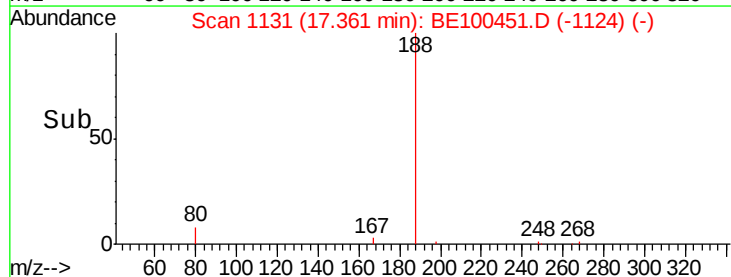
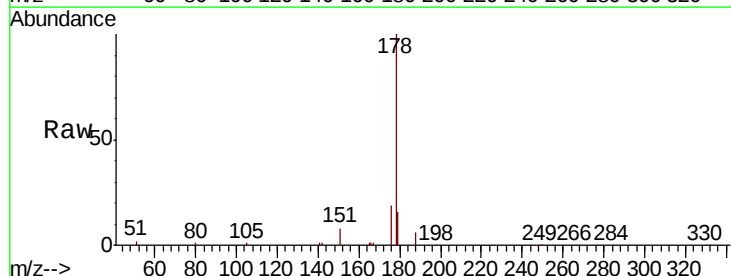
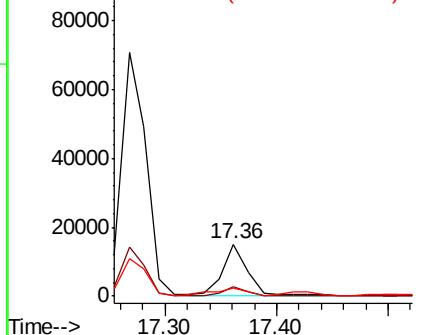
Delta R.T. -0.00 min

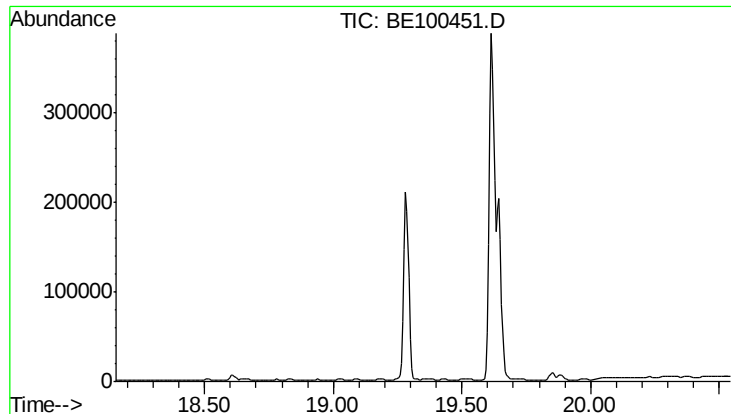
Lab File: BE100451.D

Acq: 17 Jul 2019 15:14

Tgt Ion:	178	Resp:	22343
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.0	22.4
179	18.7	12.3	18.5#

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





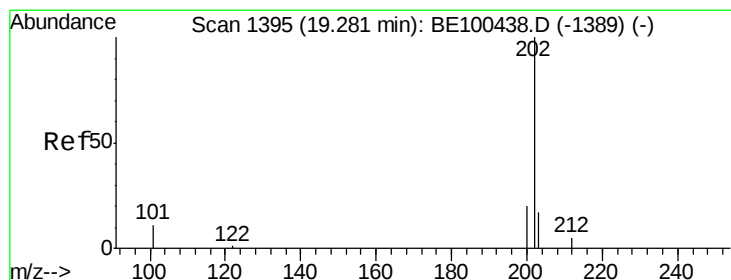
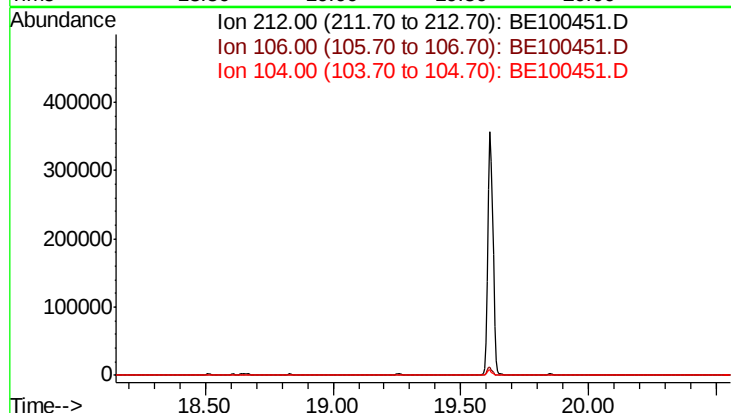
#25
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.25 min
 Lab File: BE100451.D
 Acq: 17 Jul 2019 15:14

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP2DL

Tot Ion	212
Exp Ratio	100
212	100
106	3.2
104	1.8

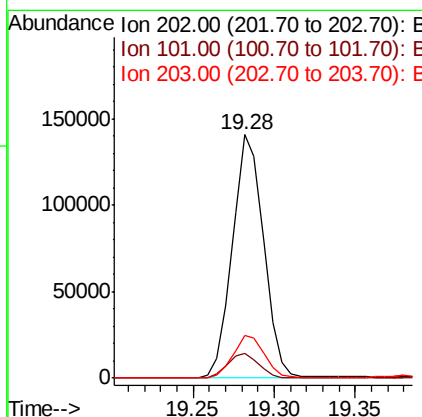
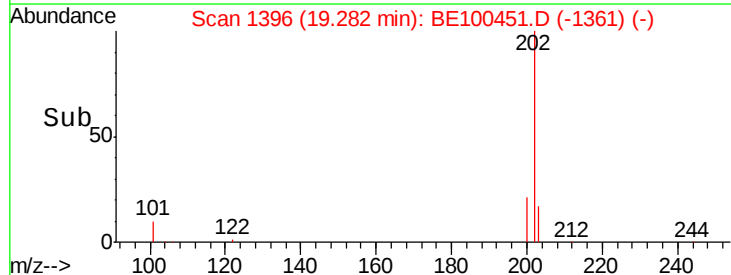
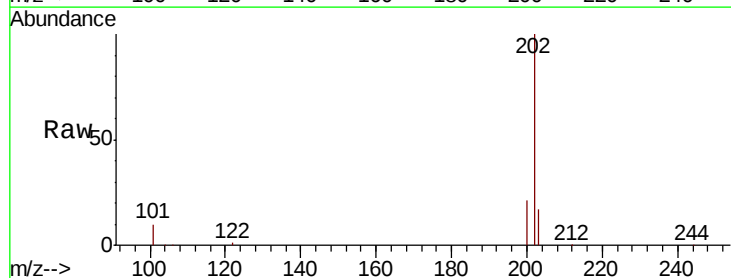
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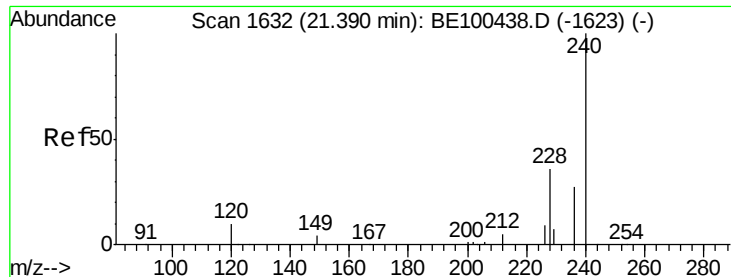
mohammad
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#26
 Fluoranthene
 Concen: 1.742 ng
 RT: 19.28 min Scan# 1396
 Delta R.T. 0.00 min
 Lab File: BE100451.D
 Acq: 17 Jul 2019 15:14

Tgt Ion	202	Resp	187993
Ion Ratio	100		
202	100		
101	10.1	8.9	13.3
203	17.4	13.8	20.6





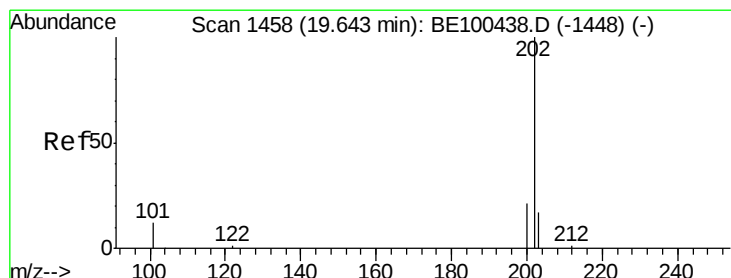
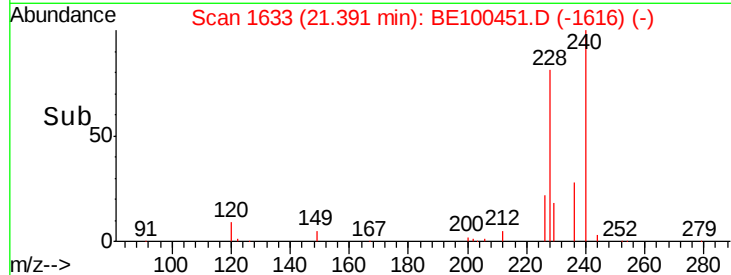
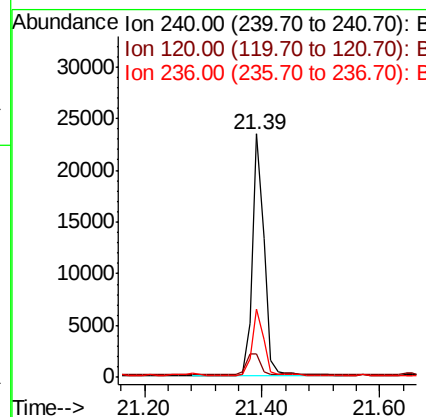
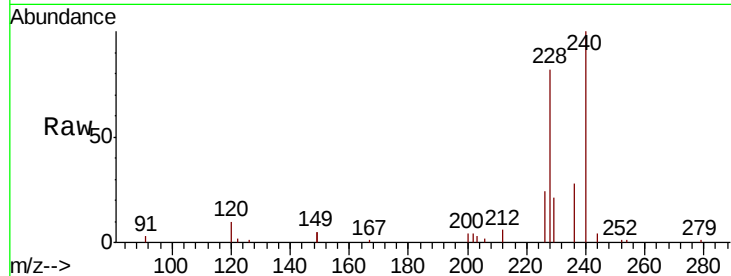
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE100451.D
Acq: 17 Jul 2019 15:14

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.8	13.2
236	28.1	22.0	33.0

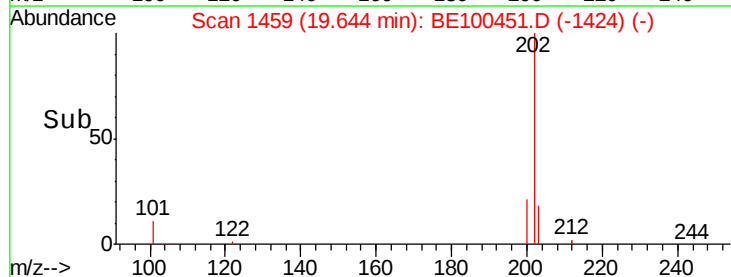
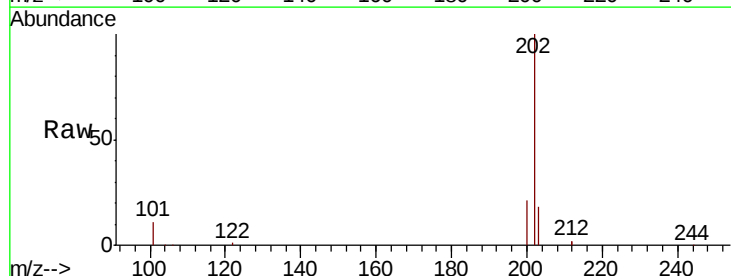
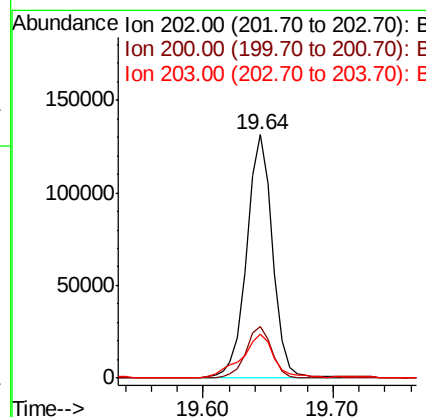
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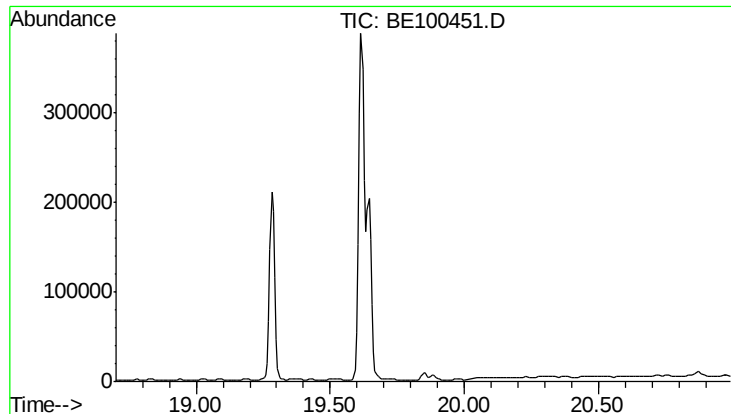
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#28
Pyrene
Concen: 1.899 ng
RT: 19.64 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BE100451.D
Acq: 17 Jul 2019 15:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	22.4	13.8	20.8





#29

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 19.85 min

Lab File: BE100451.D

Acq: 17 Jul 2019 15:14

Tot Ion: 244

Sig Exp Ratio

244 100

212 32.9

122 11.8

Instrument :

BNA_E

ClientSampleId :

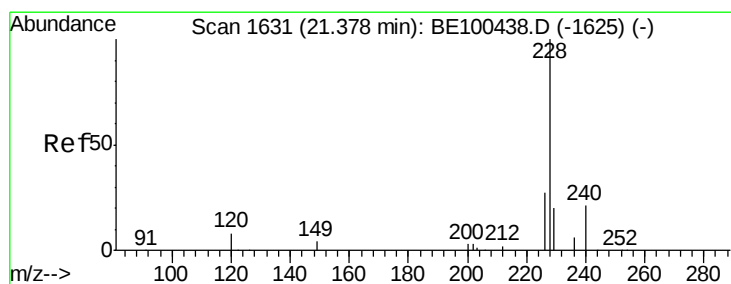
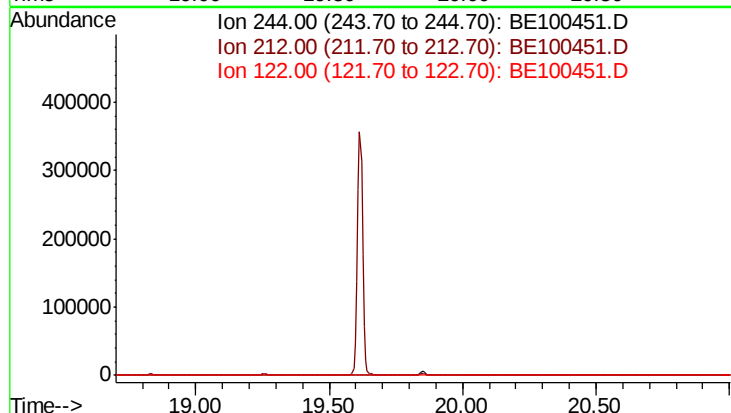
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#30

Benzo(a)anthracene

Concen: 1.109 ng

RT: 21.38 min Scan# 1632

Delta R.T. 0.00 min

Lab File: BE100451.D

Acq: 17 Jul 2019 15:14

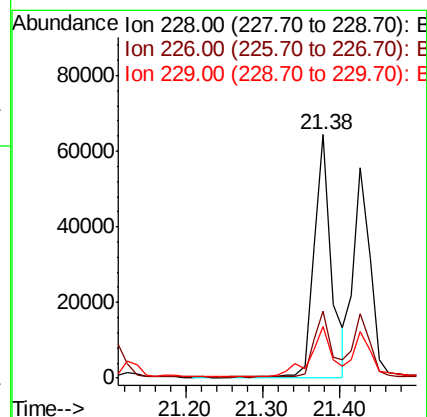
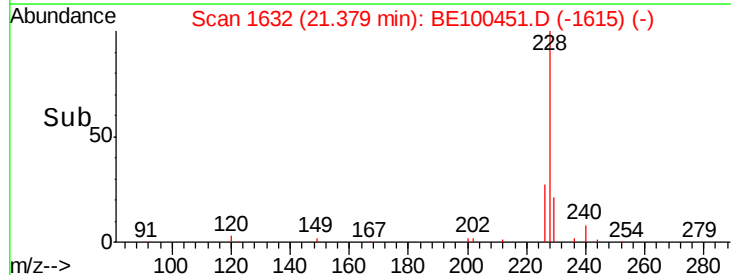
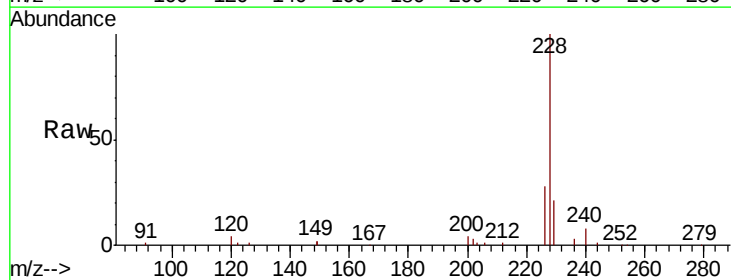
Tgt Ion: 228 Resp: 98165

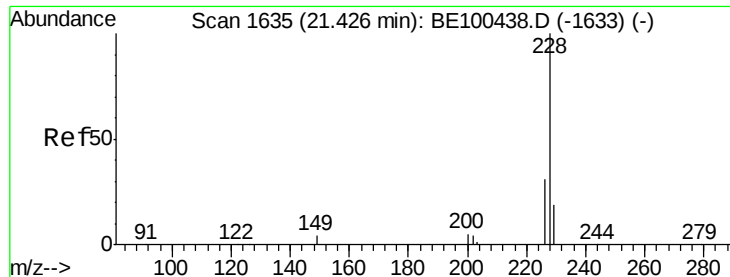
Ion Ratio Lower Upper

228 100

226 27.5 21.6 32.4

229 21.4 15.8 23.8





#31

Chrysene

Concen: 0.779 ng

RT: 21.43 min Scan# 1636

Delta R.T. 0.00 min

Lab File: BE100451.D

Acq: 17 Jul 2019 15:14

Instrument :

BNA_E

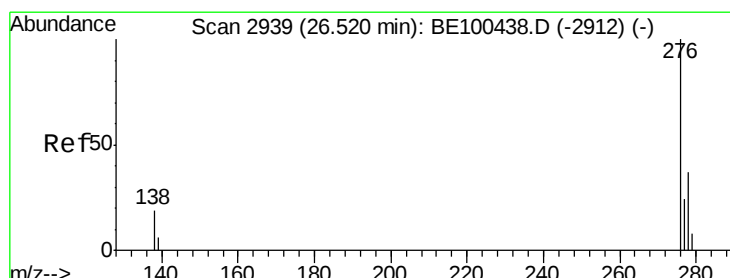
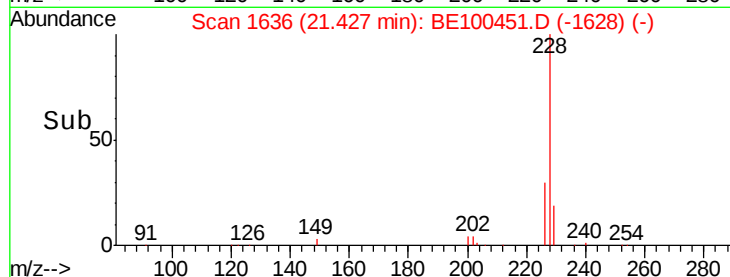
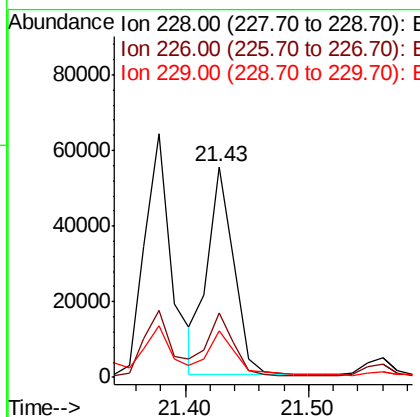
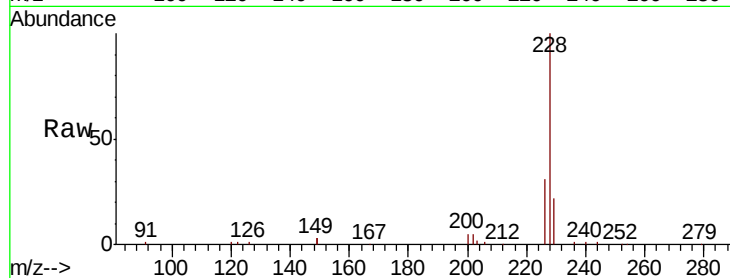
ClientSampleId :

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Tot Ion:228	Resp:	81964
Ion Ratio	Lower	Upper
228 100		
226 30.7	24.8	37.2
229 21.8	15.8	23.6

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.459 ng

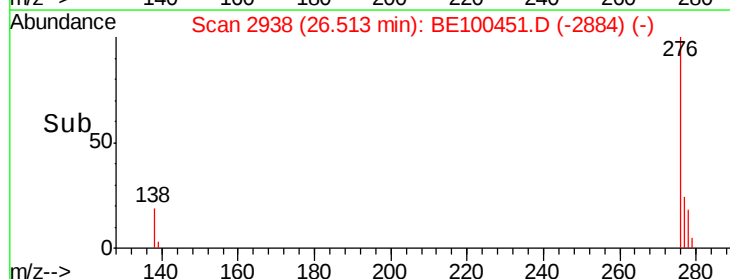
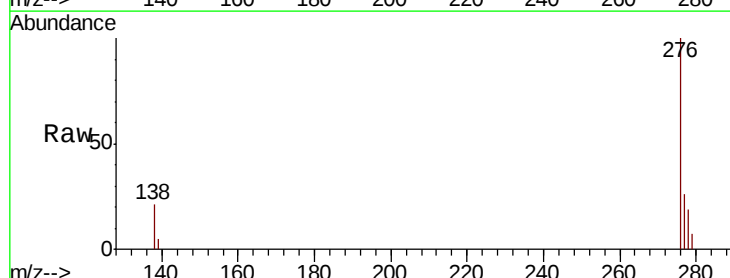
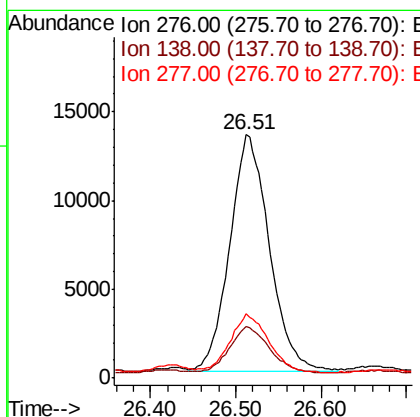
RT: 26.51 min Scan# 2938

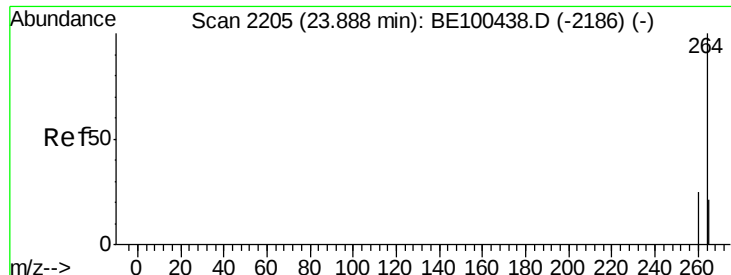
Delta R.T. -0.01 min

Lab File: BE100451.D

Acq: 17 Jul 2019 15:14

Tgt Ion:276	Resp:	42957
Ion Ratio	Lower	Upper
276 100		
138 19.9	17.0	25.6
277 24.2	19.8	29.6





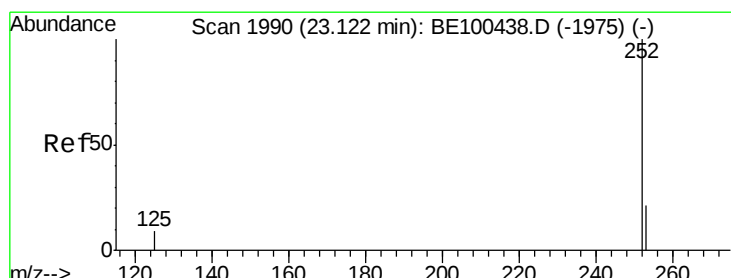
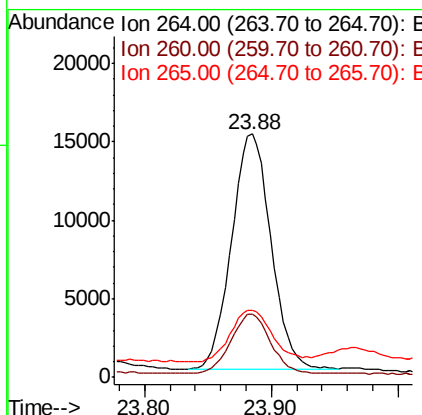
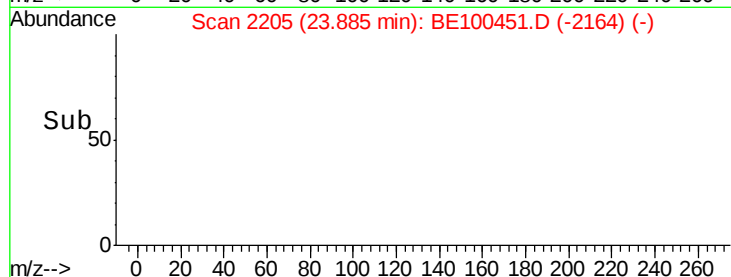
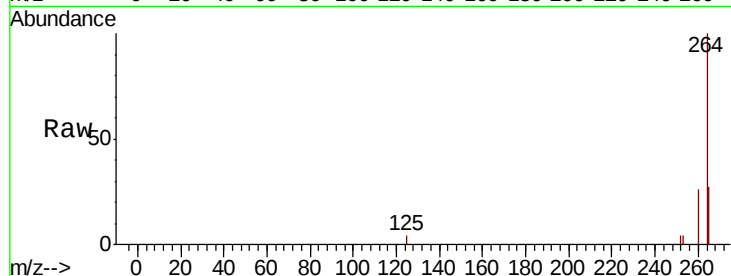
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BE100451.D
Acq: 17 Jul 2019 15:14

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.0	30.0
265	27.3	22.2	33.4

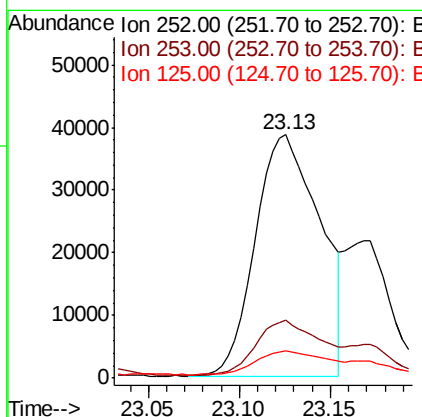
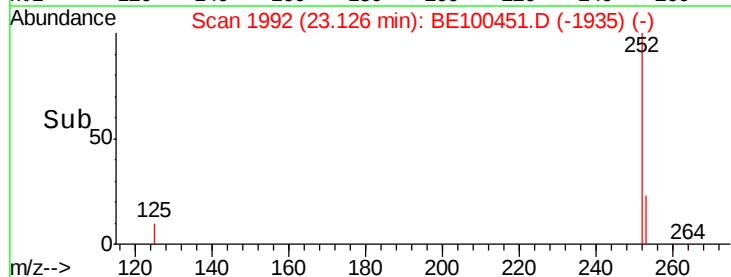
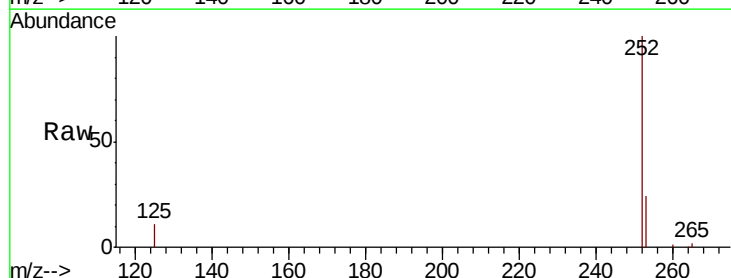
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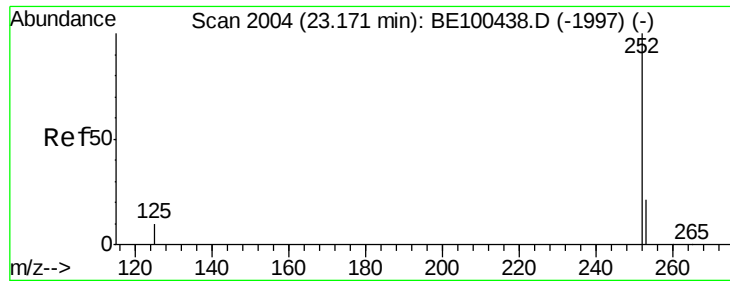
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#35
Benzo(b)fluoranthene
Concen: 0.957 ng
RT: 23.13 min Scan# 1992
Delta R.T. 0.00 min
Lab File: BE100451.D
Acq: 17 Jul 2019 15:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	11.0	8.0	12.0





#36

Benzo(k)fluoranthene

Concen: 0.373 ng

RT: 23.17 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BE100451.D

Acq: 17 Jul 2019 15:14

Instrument :

BNA_E

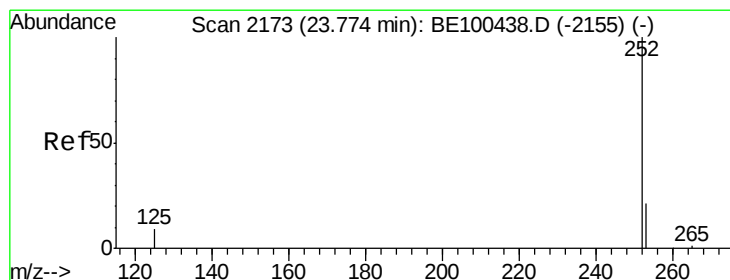
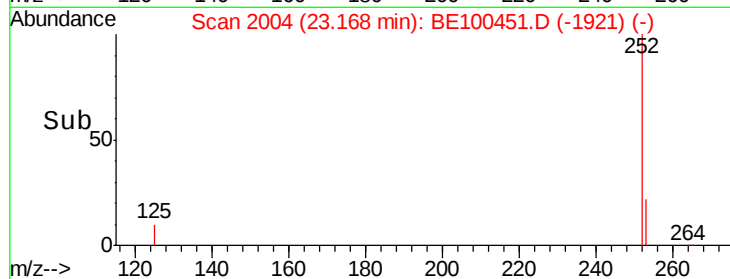
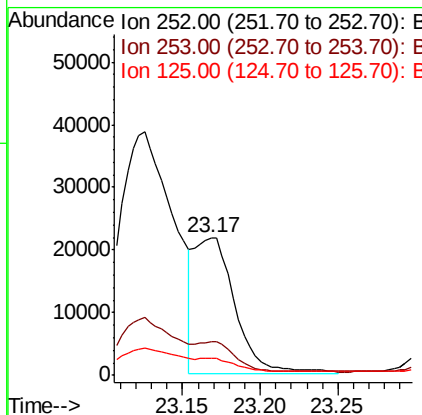
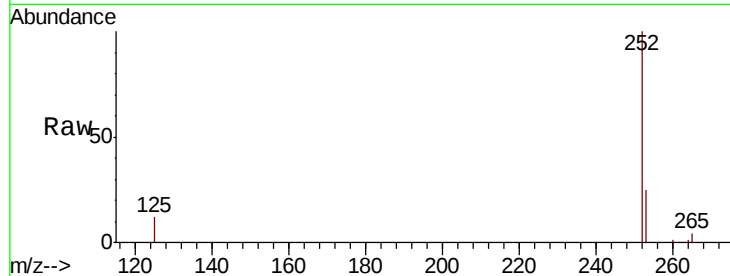
ClientSampleId :

HJDC-COMP2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	12.1	8.3	12.5

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#37

Benzo(a)pyrene

Concen: 0.876 ng

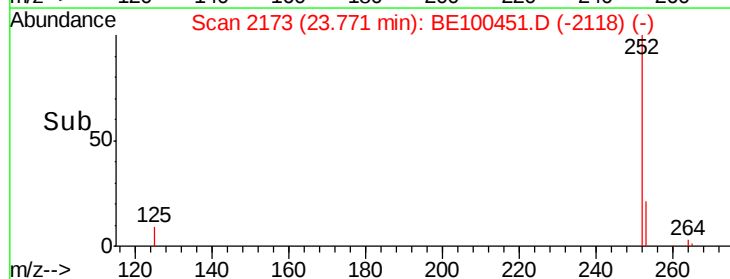
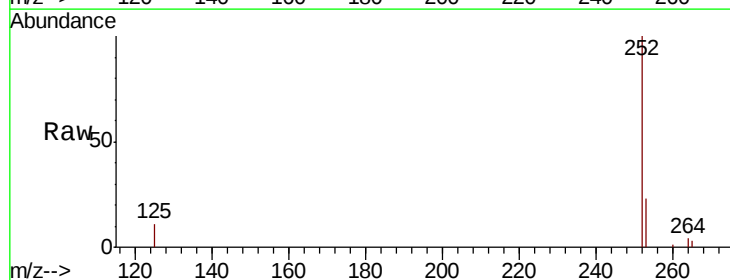
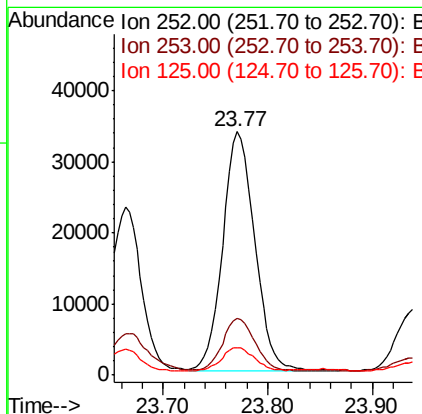
RT: 23.77 min Scan# 2173

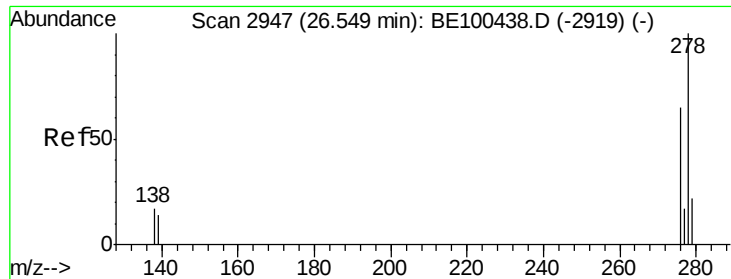
Delta R.T. -0.00 min

Lab File: BE100451.D

Acq: 17 Jul 2019 15:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	11.2	9.0	13.6





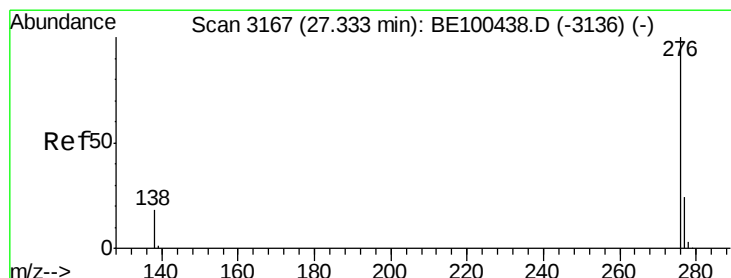
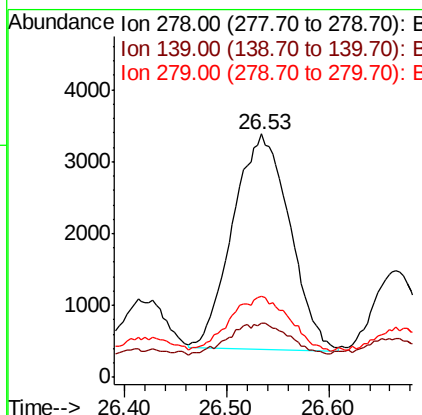
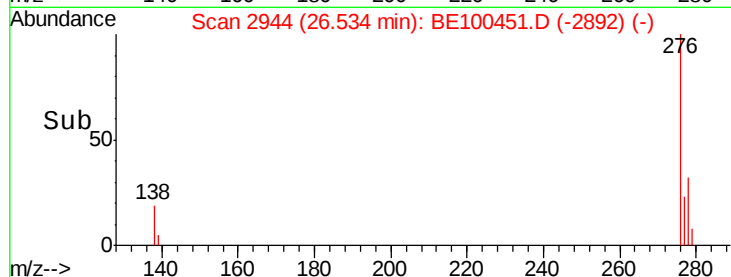
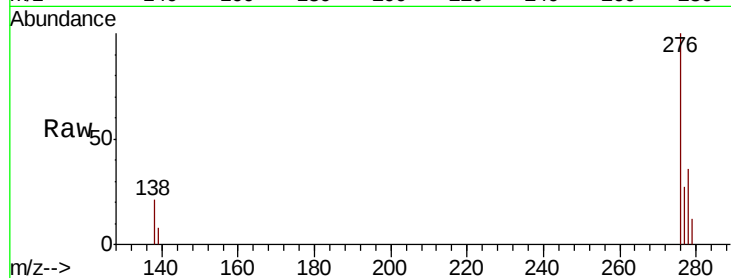
#38
Dibenzo(a,h)anthracene
Concen: 0.133 ng
RT: 26.53 min Scan# 2944
Delta R.T. -0.01 min
Lab File: BE100451.D
Acq: 17 Jul 2019 15:14

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.5	12.2	18.2#
279	33.1	18.6	27.8#

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#39
Benzo(g,h,i)perylene
Concen: 0.466 ng
RT: 27.33 min Scan# 3166
Delta R.T. -0.01 min
Lab File: BE100451.D
Acq: 17 Jul 2019 15:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.6	29.4
138	21.6	15.1	22.7

