

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071719\
 Data File : BE100453.D
 Acq On : 17 Jul 2019 16:29
 Operator : HP/JU
 Sample : K3818-02DL 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4DL

Manual Integrations
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Quant Time: Jul 17 18:04:01 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	4718	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	22187	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	14288	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	34728	0.40	ng	0.00
27) Chrysene-d12	21.39	240	32291	0.40	ng	0.00
34) Perylene-d12	23.88	264	32743	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	21677	0.100	ng	99
12) 2-Methylnaphthalene	12.34	142	1695	0.047	ng	97
16) Acenaphthylene	14.23	152	4973	0.086	ng	# 96
17) Acenaphthene	14.57	154	5349	0.135	ng	97
18) Fluorene	15.54	166	8433	0.165	ng	98
23) Phenanthrene	17.27	178	135345	1.463	ng	100
24) Anthracene	17.36	178	29852	0.391	ng	96
26) Fluoranthene	19.28	202	221764	1.886	ng	99
28) Pyrene	19.64	202	213220	2.257	ng	# 94
30) Benzo(a)anthracene	21.38	228	116090	1.325	ng	98
31) Chrysene	21.43	228	92369	0.888	ng	98
33) Indeno(1,2,3-cd)pyrene	26.51	276	49753	0.538	ng	98
35) Benzo(b)fluoranthene	23.12	252	110558	1.105	ng	97
36) Benzo(k)fluoranthene	23.17	252	39266m	0.371	ng	
37) Benzo(a)pyrene	23.77	252	84473	1.027	ng	99
38) Dibenzo(a,h)anthracene	26.53	278	12905	0.147	ng	# 80
39) Benzo(a,h,i)perylene	27.32	276	48904	0.533	ng	98

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

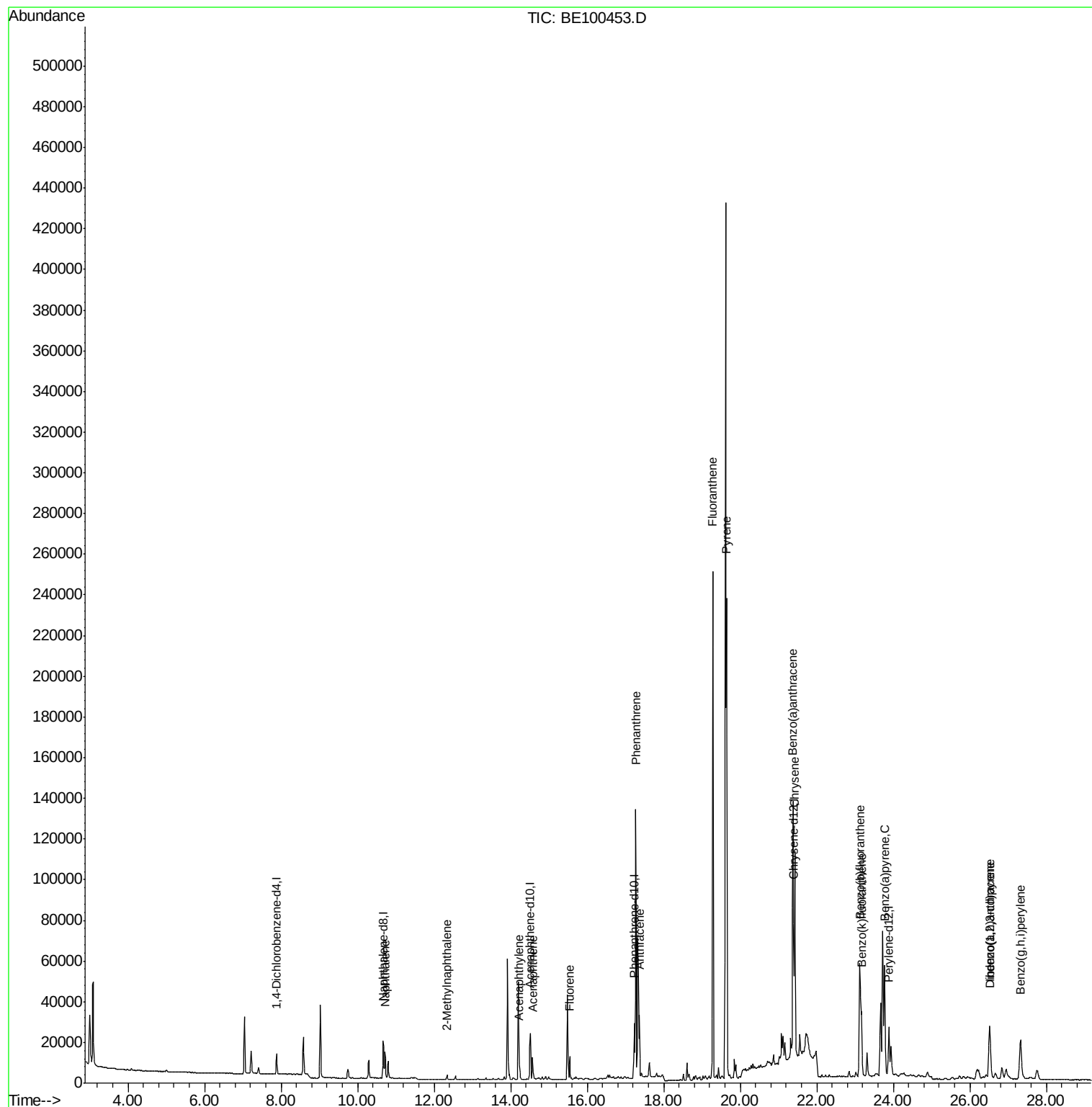
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071719\
Data File : BE100453.D
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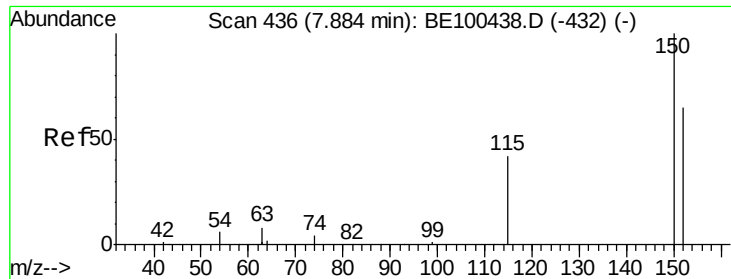
Instrument :
BNA_E
ClientSampleId :
HJDC-COMP4DL

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Quant Time: Jul 17 18:04:01 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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.89 min Scan# 436

Delta R.T. 0.00 min

Lab File: BE100453.D

Acq: 17 Jul 2019 16:29

Instrument :

BNA_E

ClientSampleId :

HJDC-COMP4DL

Tot Ion:152 Resp: 4718

Ion Ratio Lower Upper

152 100

150 147.2 121.7 182.5

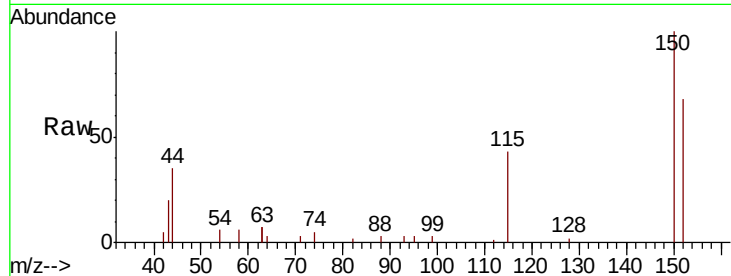
115 64.0 52.4 78.6

Manual Integrations

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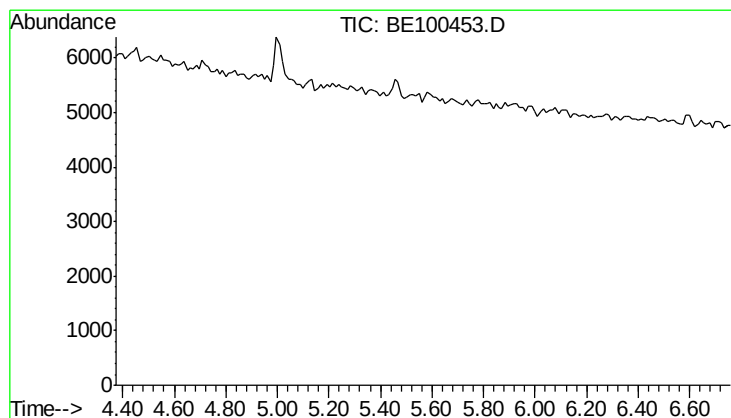
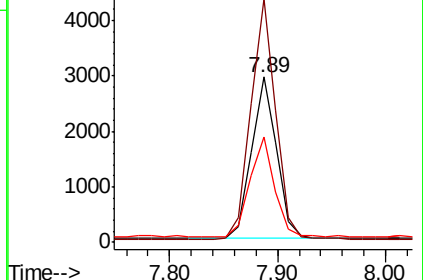
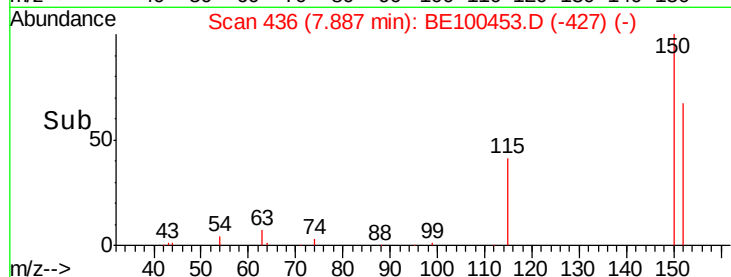
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Abundance Ion 152.00 (151.70 to 152.70): E

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: BE100453.D

Acq: 17 Jul 2019 16:29

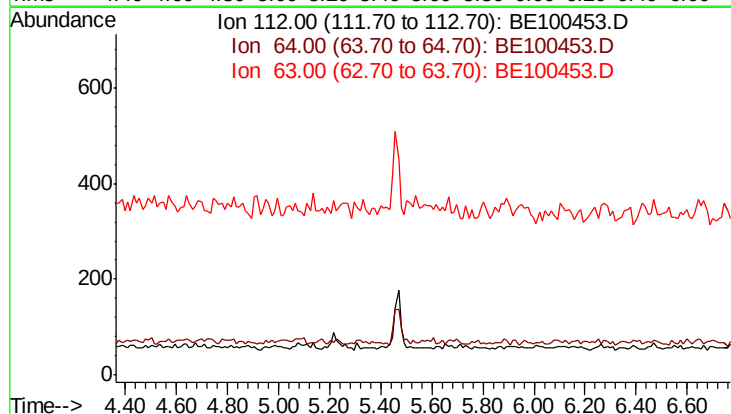
Tgt Ion: 112

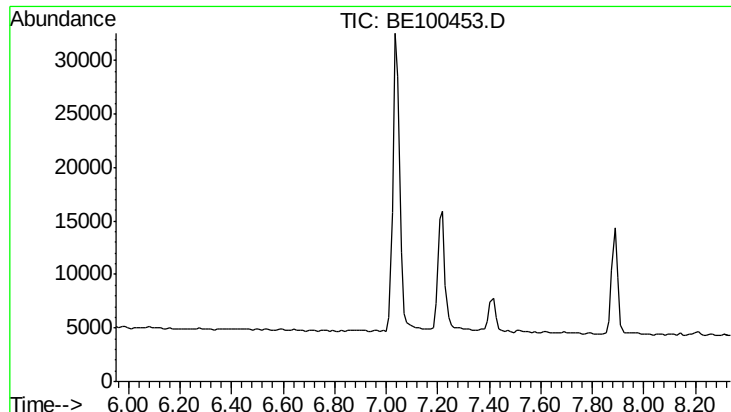
Sig Exp Ratio

112 100

64 68.7

63 143.5





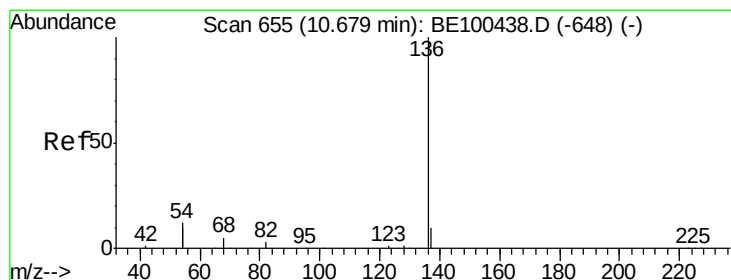
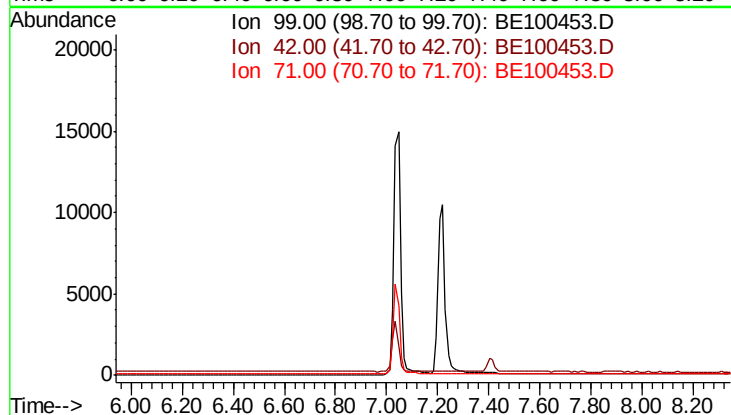
#5
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 7.04 min
 Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Tot Ion	99
Sig	Exp Ratio
99	100
42	21.8
71	35.3

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4DL

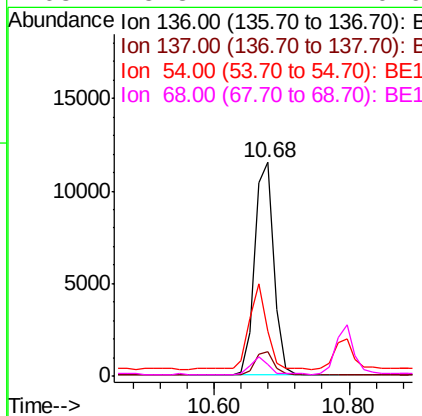
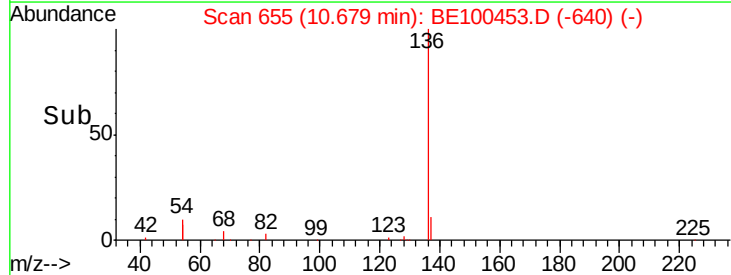
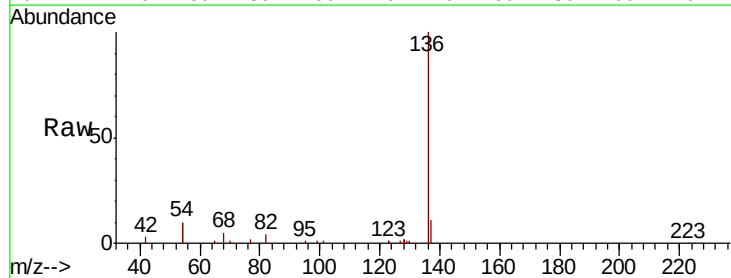
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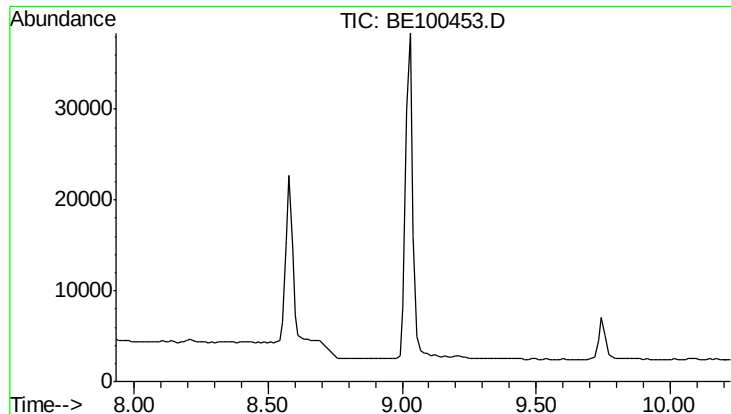
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#7
 Naphthalene-d8
 Concen: 0.400 ng
 RT: 10.68 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Tgt Ion	136	Resp	22187
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	20.7	19.6	29.4
68	5.3	4.4	6.6





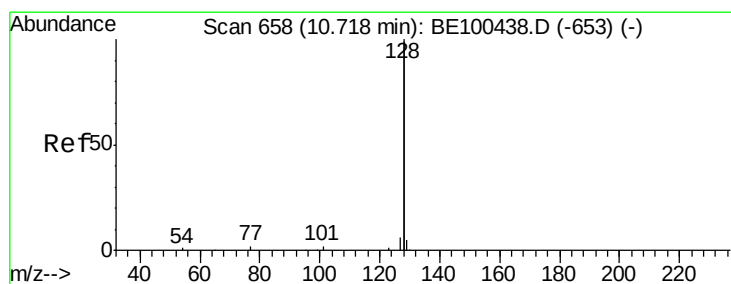
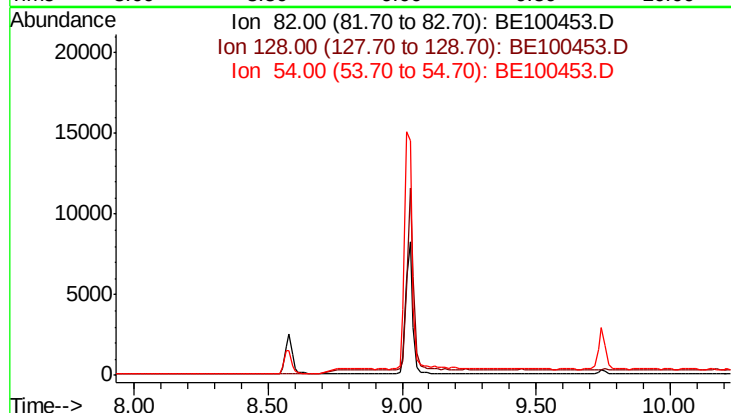
#8
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 9.03 min
 Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4DL

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

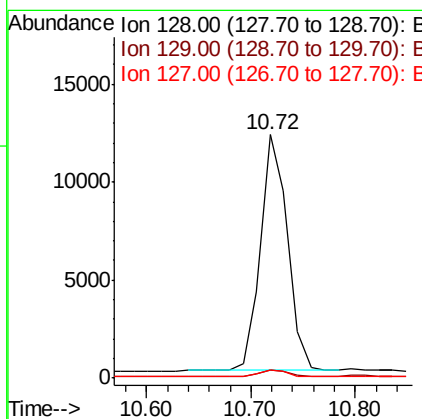
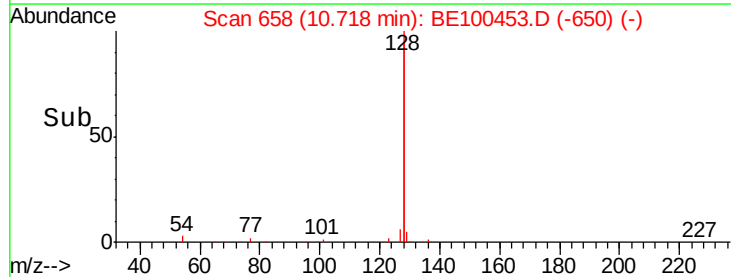
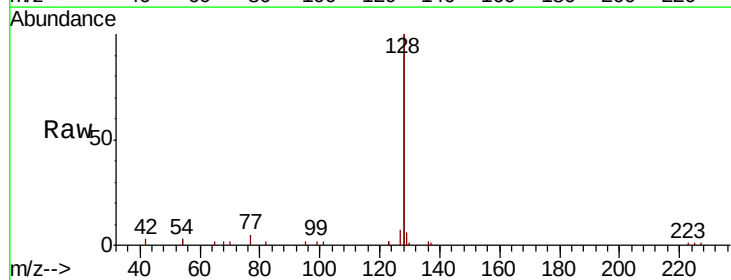
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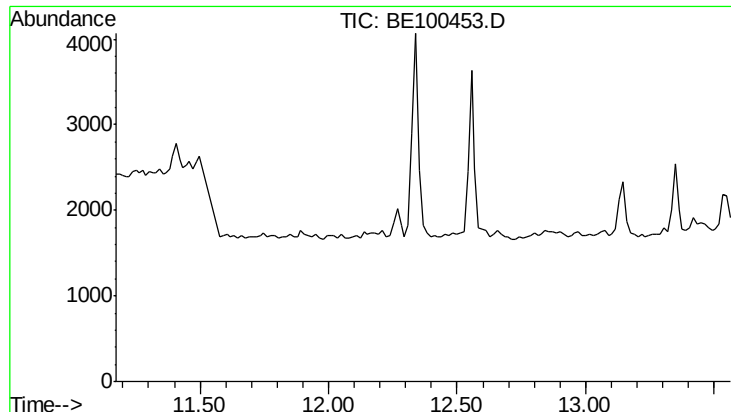
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#9
 Naphthalene
 Concen: 0.100 ng
 RT: 10.72 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Tgt Ion	128	Resp:	21677
Ion Ratio	Lower	Upper	
128	100		
129	3.1	2.2	3.4
127	3.5	2.7	4.1





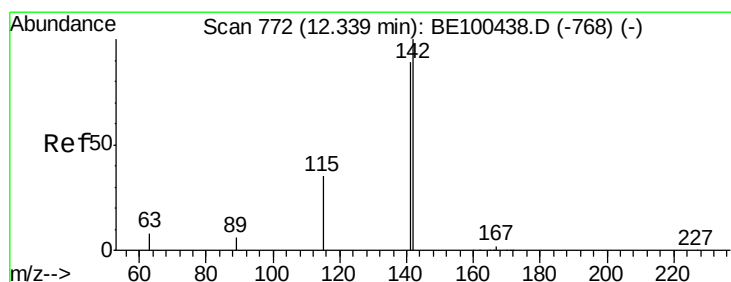
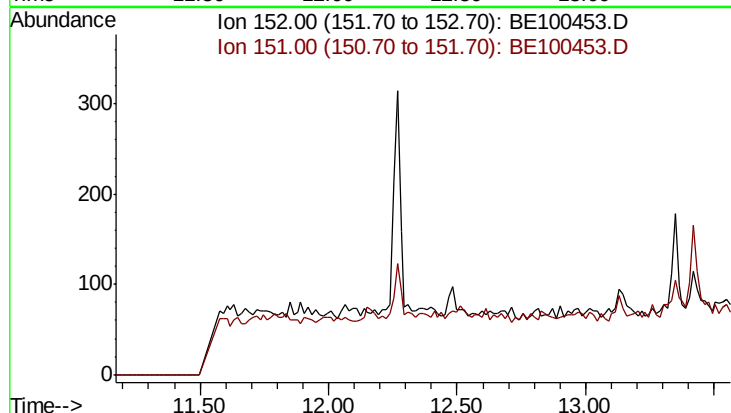
#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.27 min
 Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Tot Ion: 152
 Sig Exp Ratio
 152 100
 151 20.0

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4DL

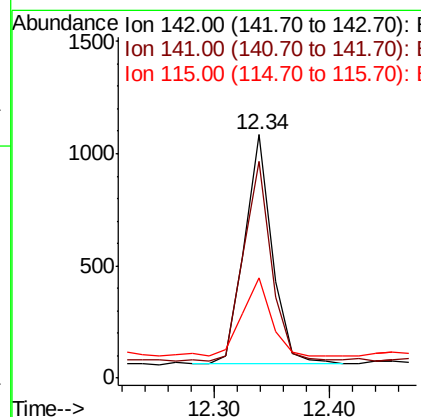
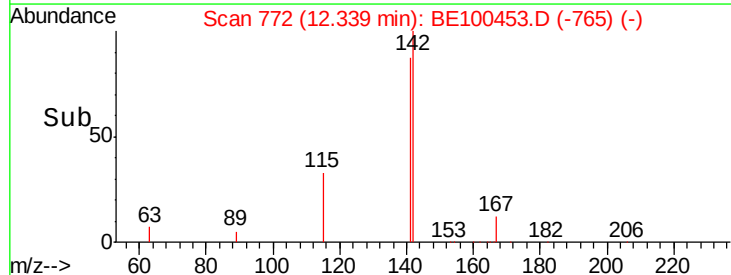
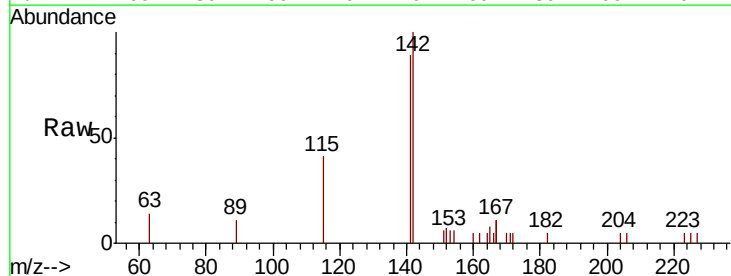
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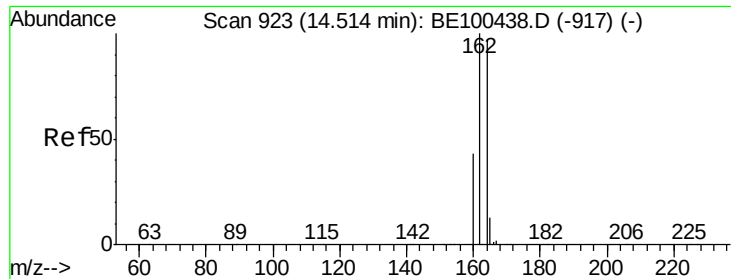
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#12
 2-Methylnaphthalene
 Concen: 0.047 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Tgt Ion: 142 Resp: 1695
 Ion Ratio Lower Upper
 142 100
 141 89.0 70.9 106.3
 115 41.1 29.0 43.4





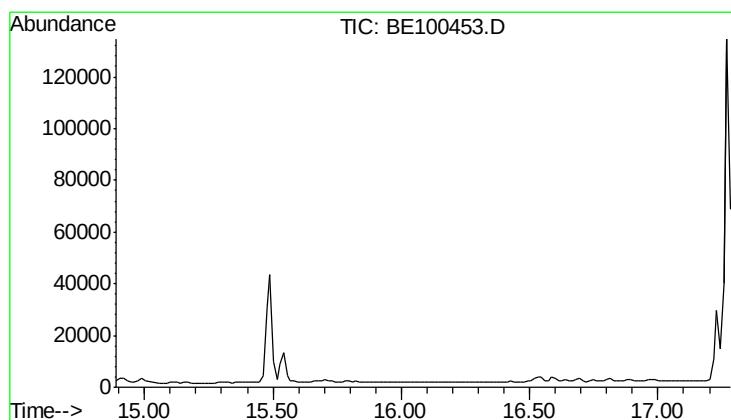
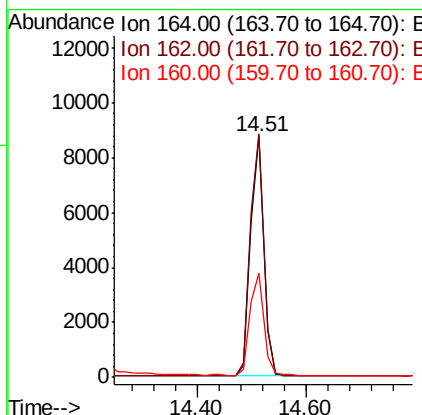
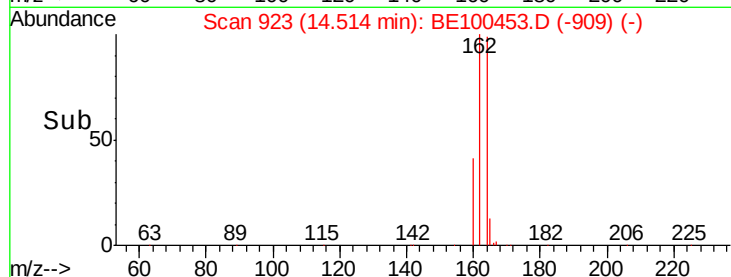
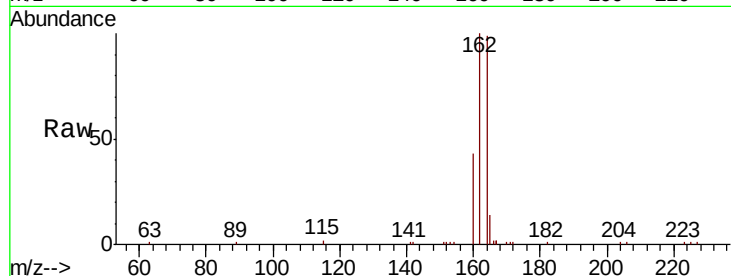
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4DL

Tot Ion	Ion	Ratio	Lower	Upper
164	100			
162	101.0	82.6	124.0	
160	43.0	35.6	53.4	

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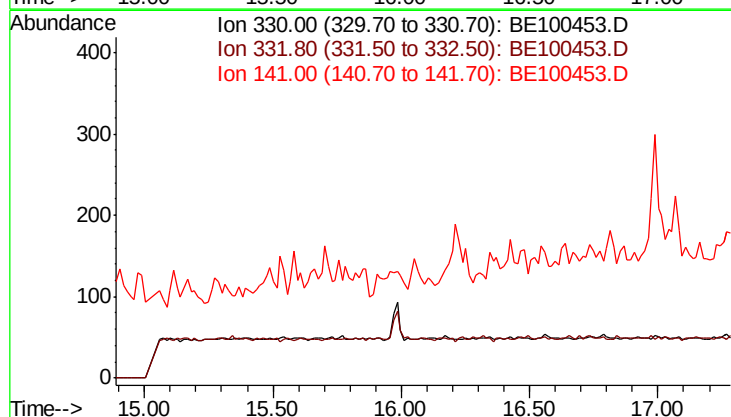
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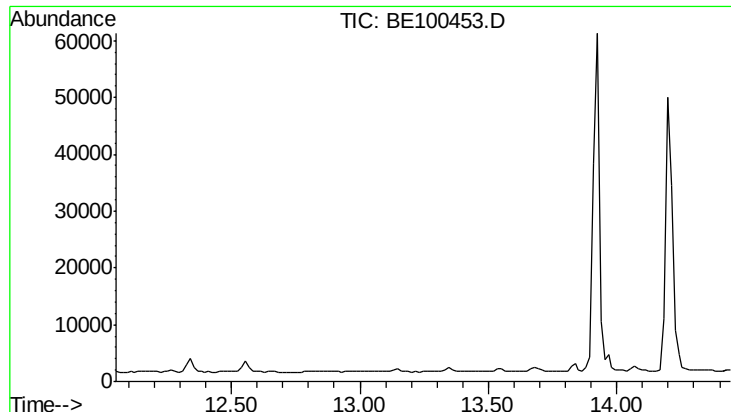


#14
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 15.98 min

Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Tgt Ion	Sig	Exp Ratio
330	100	
332	95.4	
141	35.1	





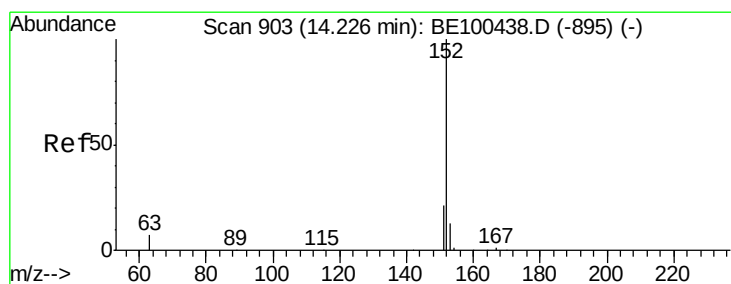
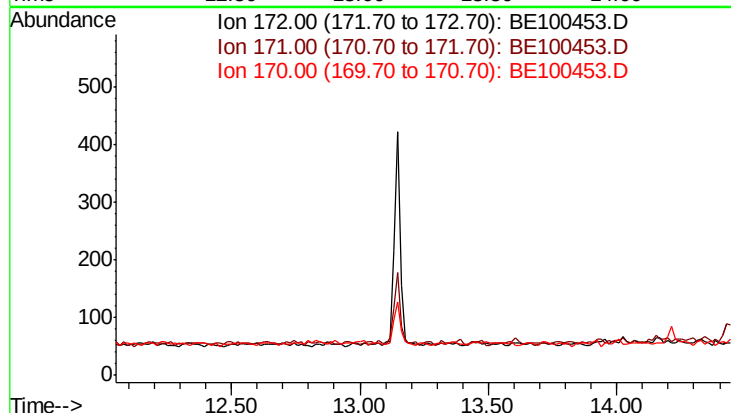
#15
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 13.15 min
 Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4DL

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

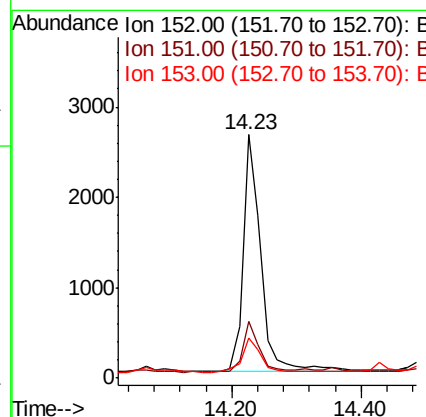
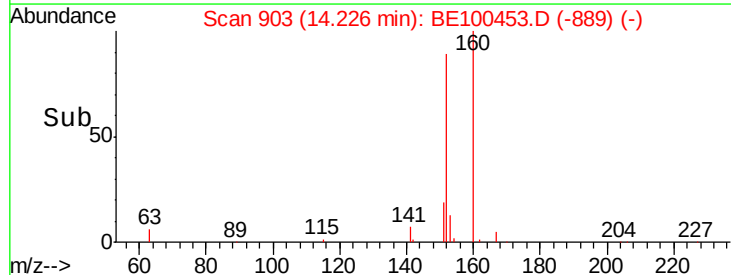
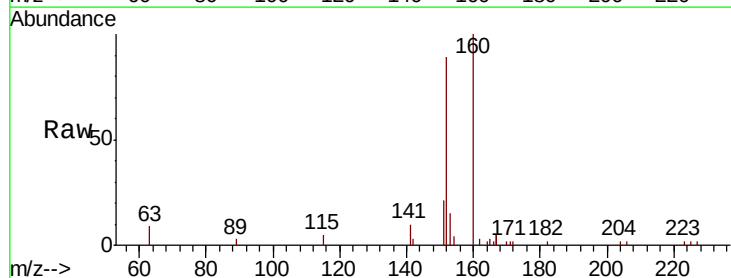
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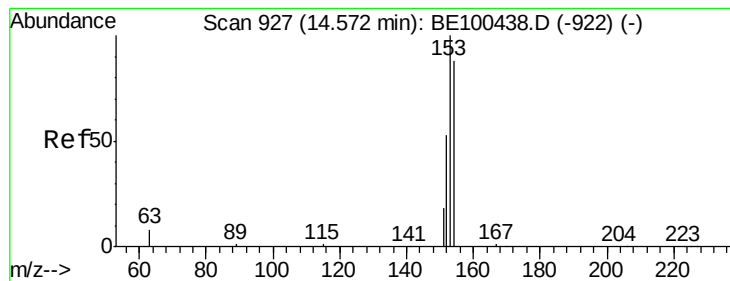
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#16
 Acenaphthylene
 Concen: 0.086 ng
 RT: 14.23 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Tgt Ion: 152 Resp: 4973
 Ion Ratio Lower Upper
 152 100
 151 20.3 15.8 23.8
 153 16.5 10.4 15.6#





#17

Acenaphthene

Concen: 0.135 ng

RT: 14.57 min Scan# 927

Delta R.T. -0.00 min

Lab File: BE100453.D

Acq: 17 Jul 2019 16:29

Instrument :

BNA_E

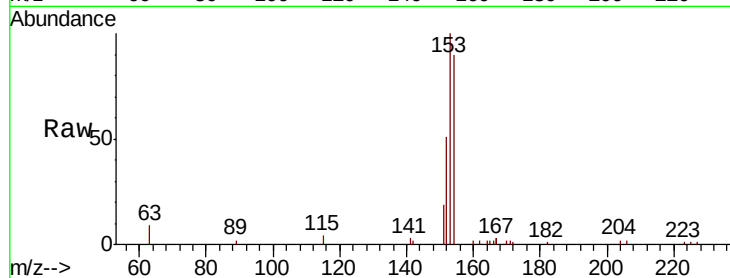
ClientSampleId :

HJDC-COMP4DL

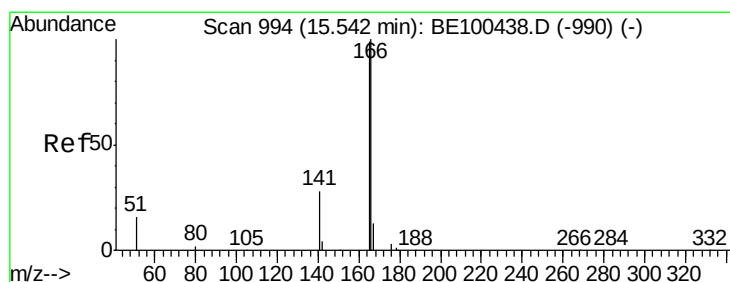
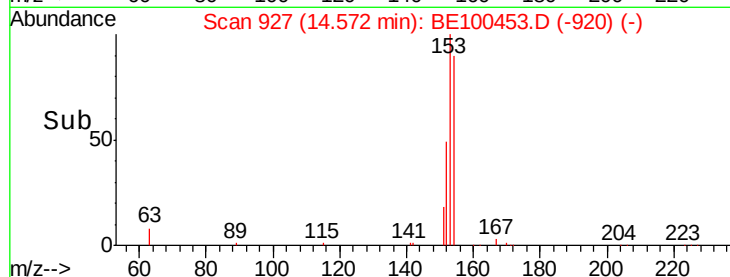
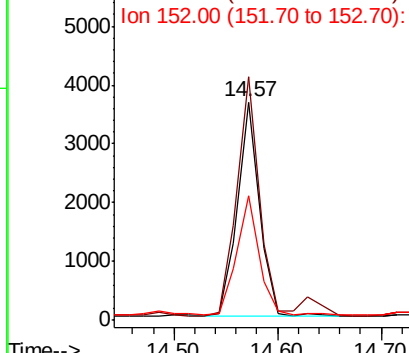
Tot Ion:	154	Resp:	5349
Ion Ratio	Lower	Upper	
154	100		
153	113.9	91.0	136.4
152	56.6	49.4	74.2

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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: 0.165 ng

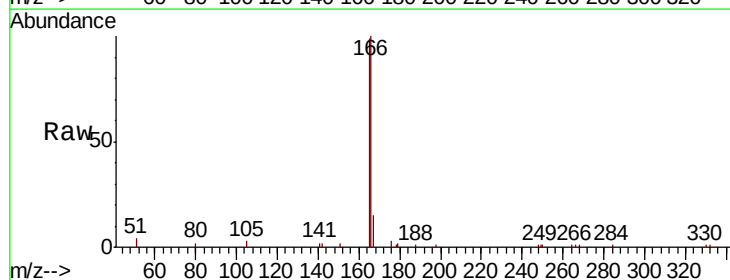
RT: 15.54 min Scan# 994

Delta R.T. -0.00 min

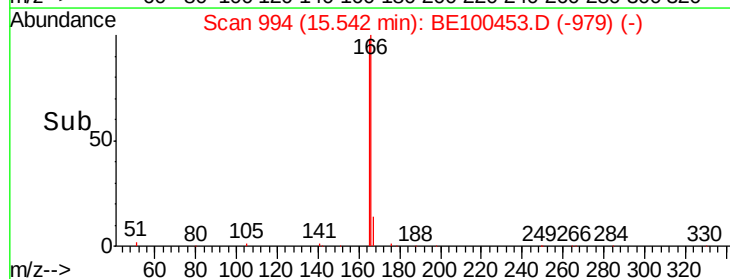
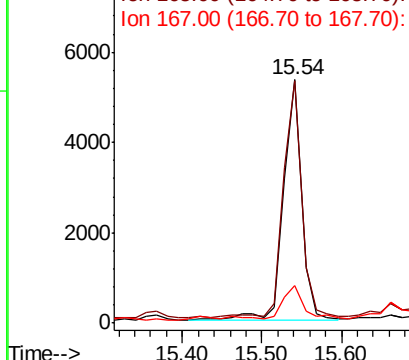
Lab File: BE100453.D

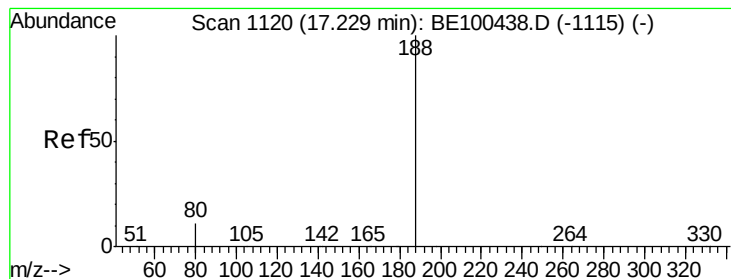
Acq: 17 Jul 2019 16:29

Tgt Ion:	166	Resp:	8433
Ion Ratio	Lower	Upper	
166	100		
165	101.3	79.6	119.4
167	15.5	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: BE100453.D

Acq: 17 Jul 2019 16:29

Instrument :

BNA_E

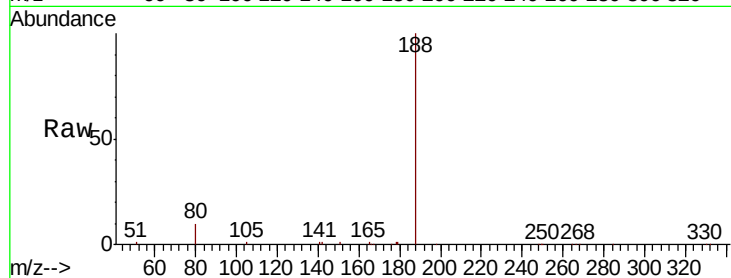
ClientSampleId :

HJDC-COMP4DL

Tot Ion:	188	Resp:	34728
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.7	9.2	13.8

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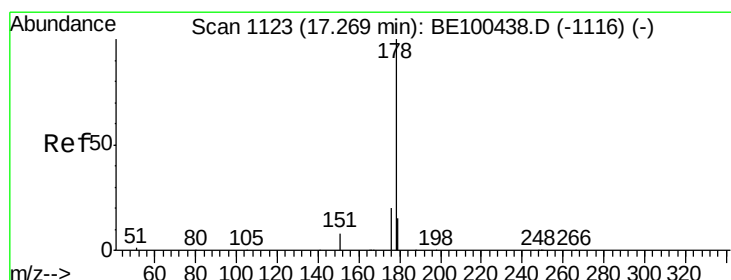
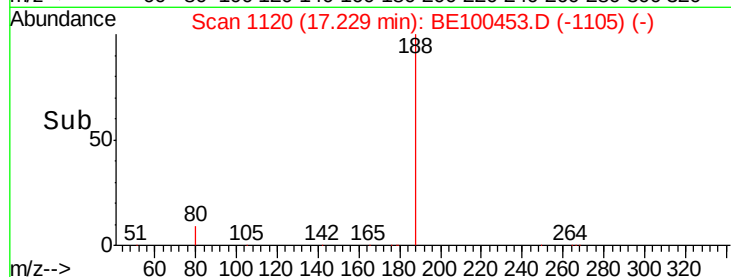
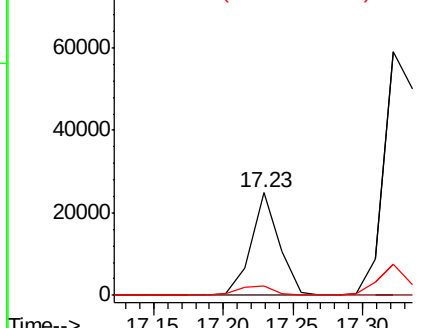
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#23

Phenanthrene

Concen: 1.463 ng

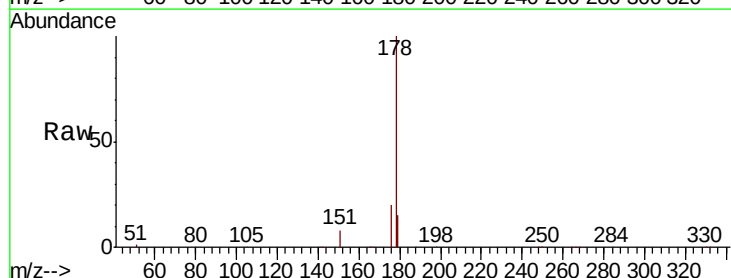
RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE100453.D

Acq: 17 Jul 2019 16:29

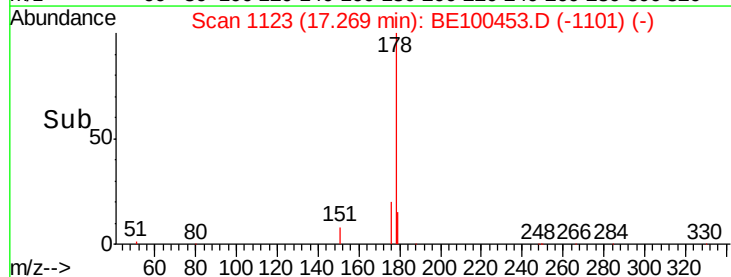
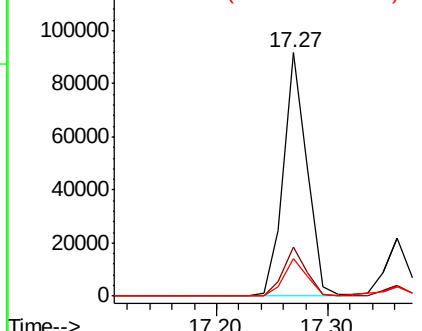
Tgt Ion:	178	Resp:	135345
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.5	23.3
179	15.4	12.4	18.6

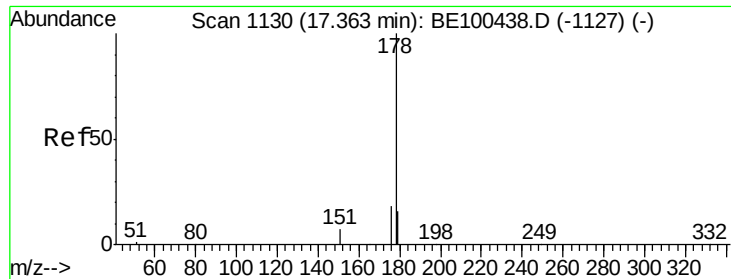


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





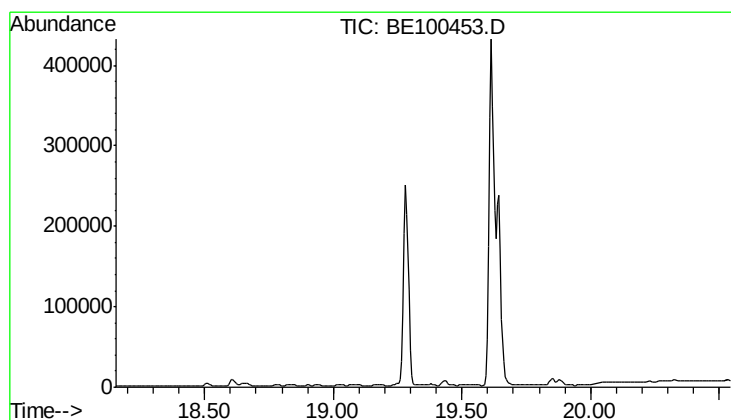
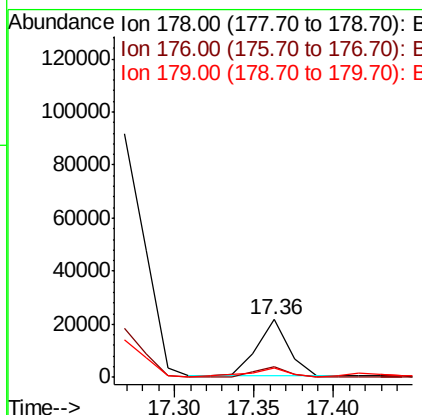
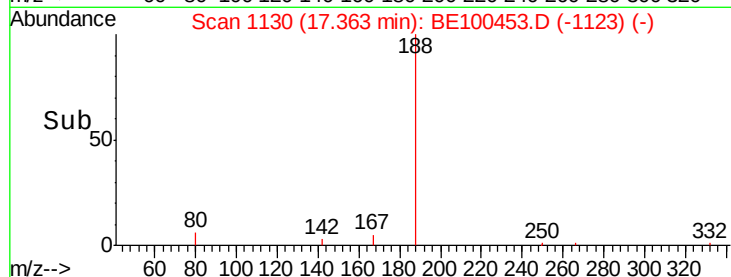
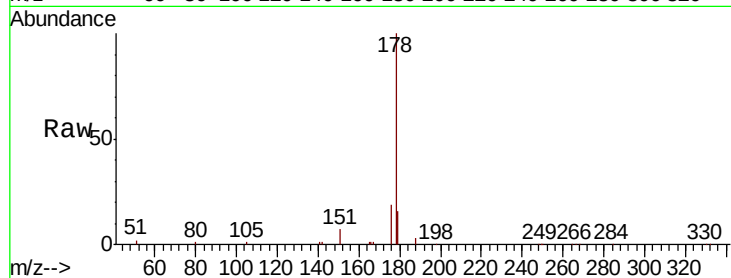
#24
 Anthracene
 Concen: 0.391 ng
 RT: 17.36 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4DL

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.2	15.0	22.4	
179	18.2	12.3	18.5	

Manual Integrations
 APPROVED

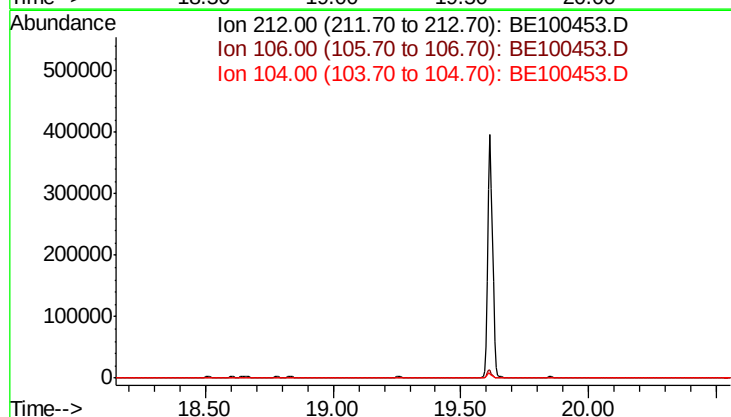
mohammad
 7/19/2019 2:24:15 PM

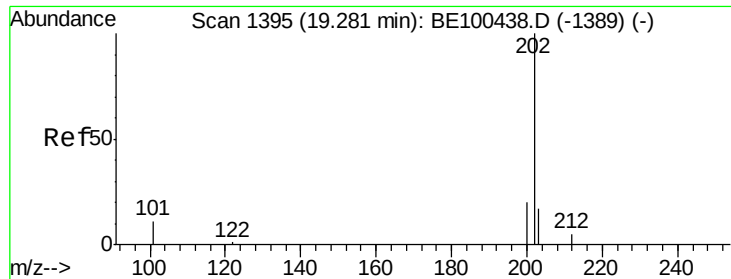


#25
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.25 min

Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Tgt Ion	Sig	Exp Ratio
212	100	
106	3.2	
104	1.8	





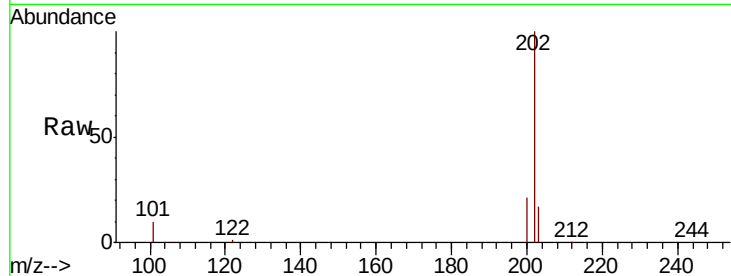
#26
Fluoranthene
Concen: 1.886 ng
RT: 19.28 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BE100453.D
Acq: 17 Jul 2019 16:29

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP4DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	221764		
101	10.1		8.9	13.3
203	17.4		13.8	20.6

Manual Integrations
APPROVED

mohammad
7/19/2019 2:24:15 PM

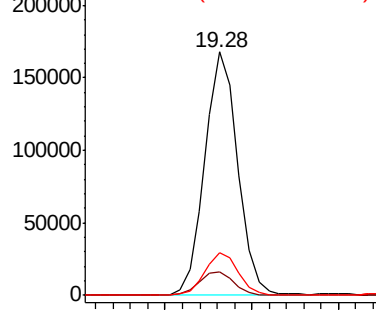


Abundance

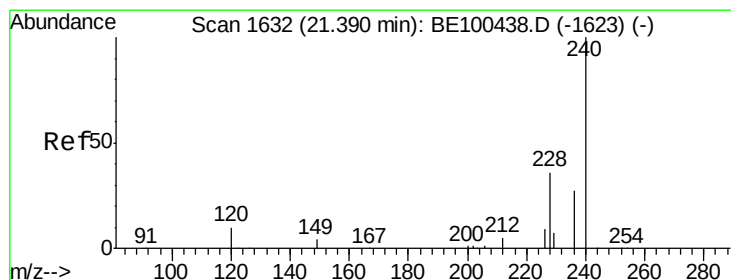
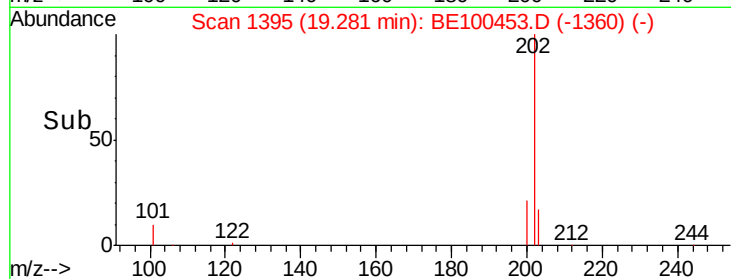
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

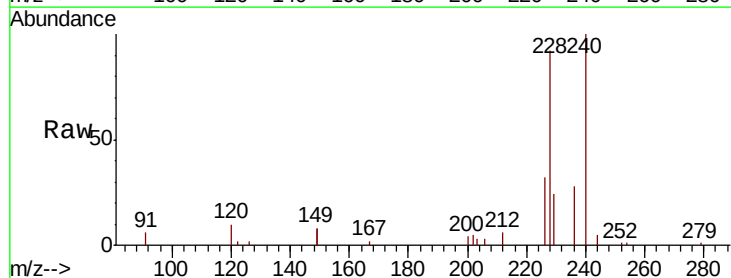


Time-->



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE100453.D
Acq: 17 Jul 2019 16:29

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	32291		
120	10.3		8.8	13.2
236	28.5		22.0	33.0

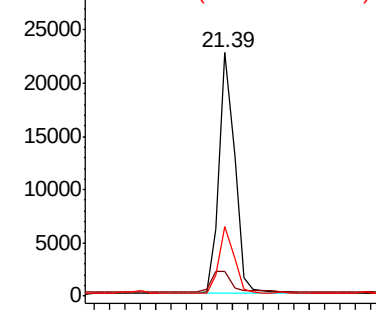


Abundance

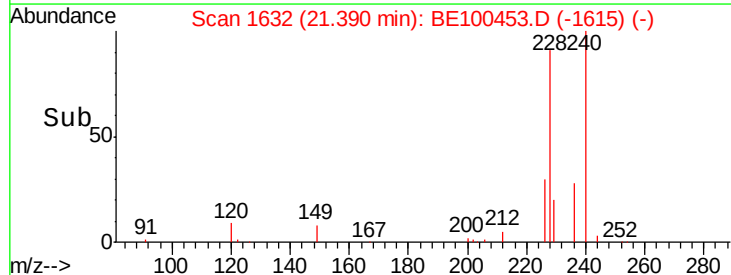
Ion 240.00 (239.70 to 240.70): E

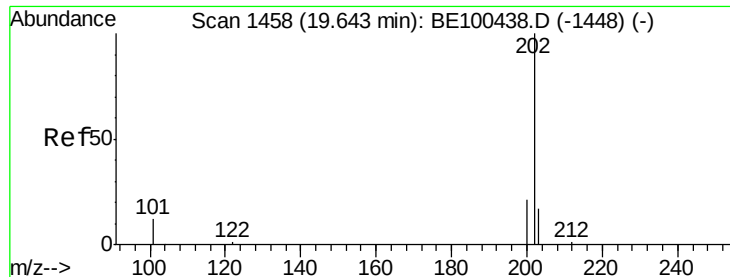
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





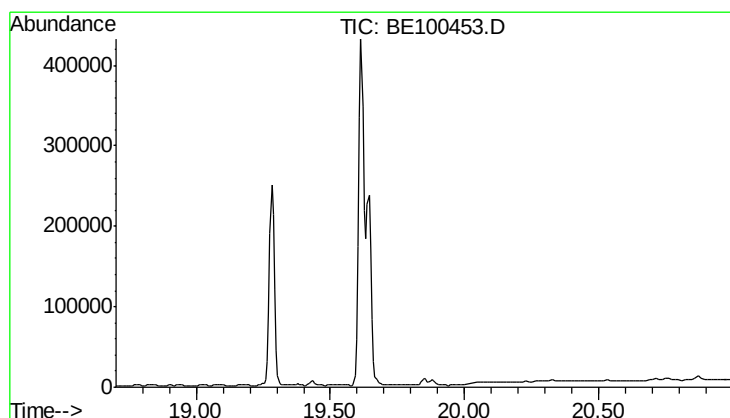
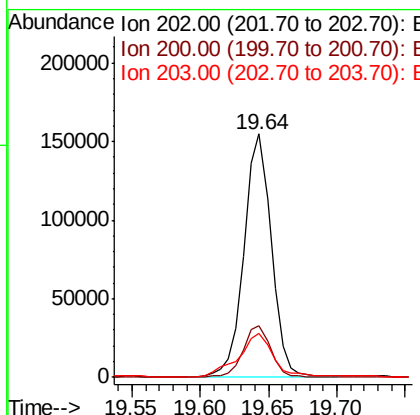
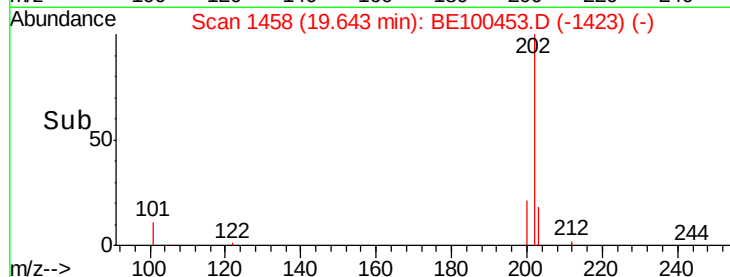
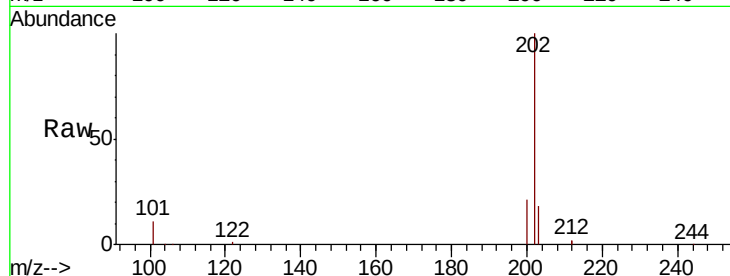
#28
 Pvrene
 Concen: 2.257 ng
 RT: 19.64 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP4DL

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

Manual Integrations
 APPROVED

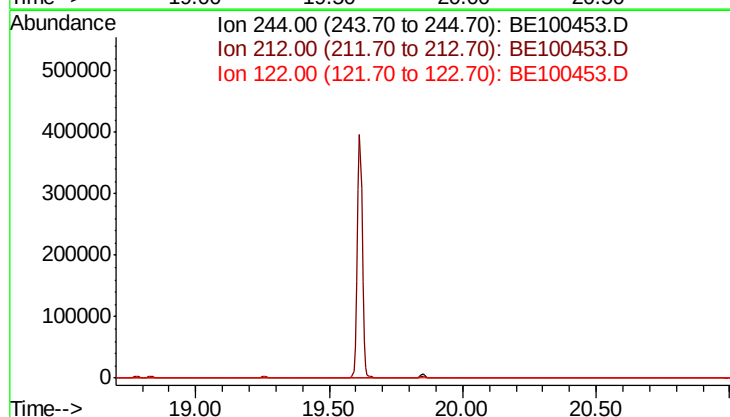
mohammad
 7/19/2019 2:24:15 PM

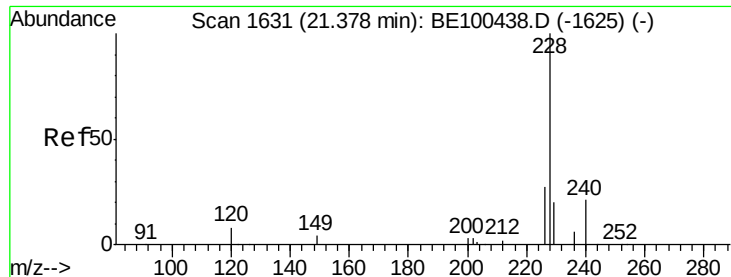


#29
 Terphenyl-d14
 Concen: 0.000 ng
 Expected RT: 19.85 min

Lab File: BE100453.D
 Acq: 17 Jul 2019 16:29

Tgt Ion	Exp Ratio
244	100
212	32.9
122	11.8





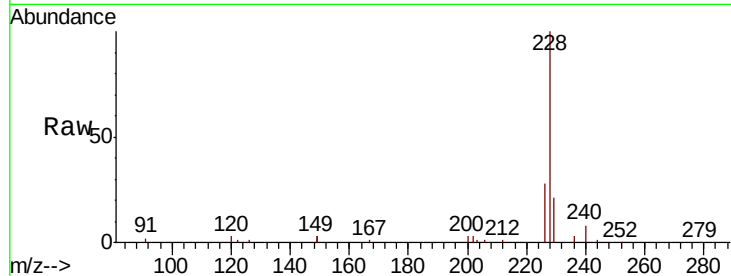
#30
Benzo(a)anthracene
Concen: 1.325 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.00 min
Lab File: BE100453.D
Acq: 17 Jul 2019 16:29

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP4DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.6	32.4
229	21.4	15.8	23.8

Manual Integrations
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7/19/2019 2:24:15 PM

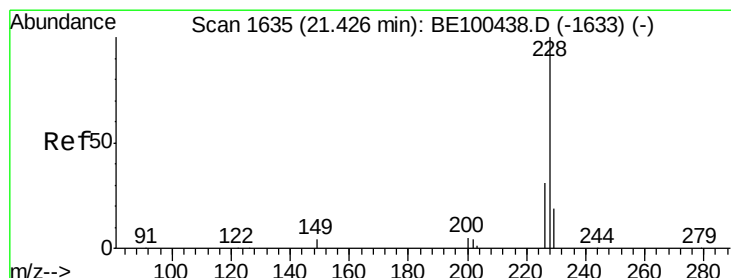
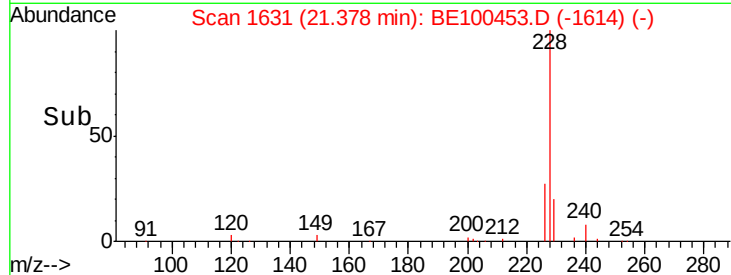
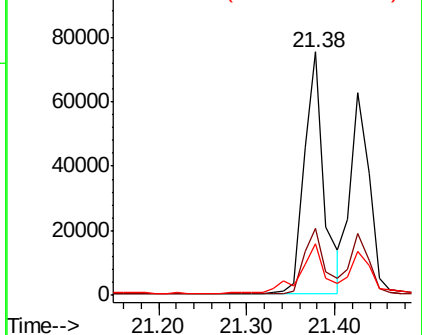


Abundance

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: 0.888 ng
RT: 21.43 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BE100453.D
Acq: 17 Jul 2019 16:29

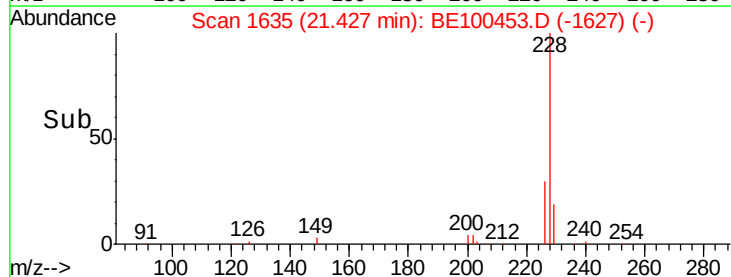
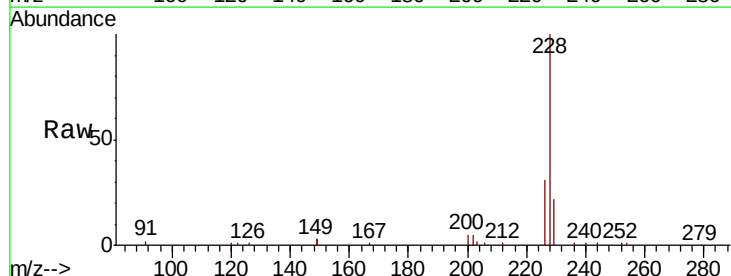
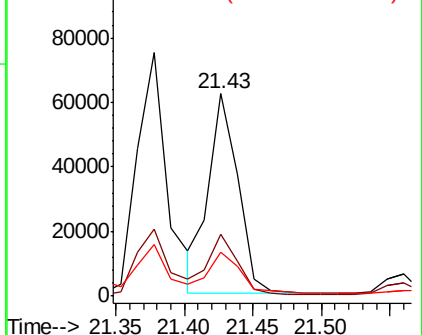
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.8	37.2
229	21.9	15.8	23.6

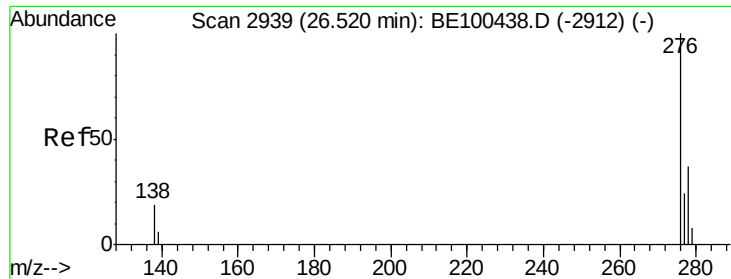
Abundance

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





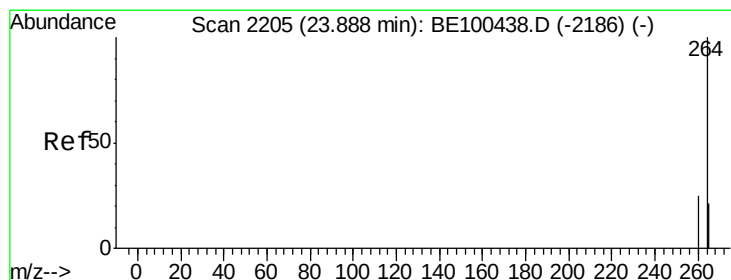
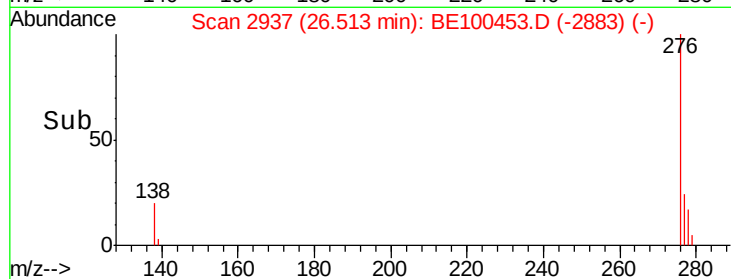
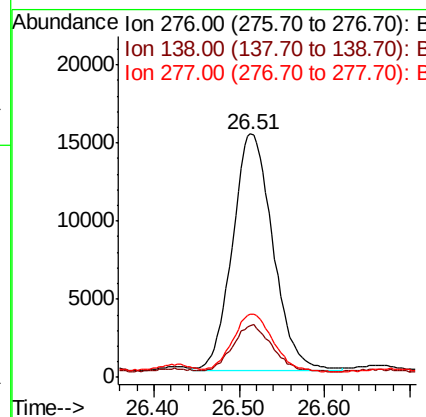
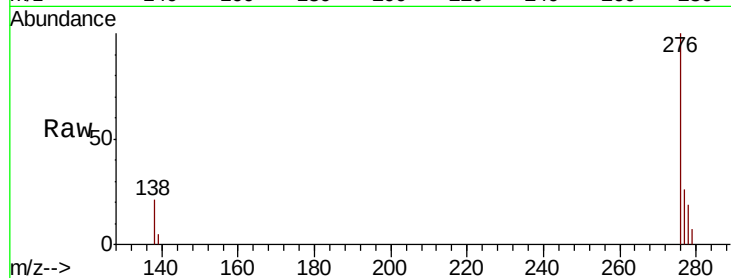
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.538 ng
RT: 26.51 min Scan# 2937
Delta R.T. -0.01 min
Lab File: BE100453.D
Acq: 17 Jul 2019 16:29

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP4DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.5	17.0	25.6
277	24.3	19.8	29.6

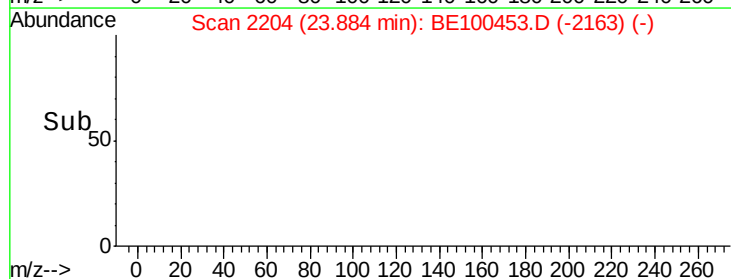
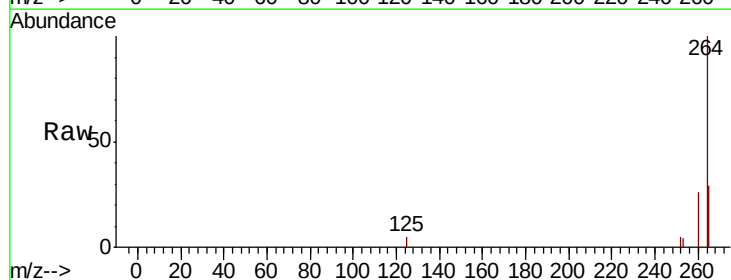
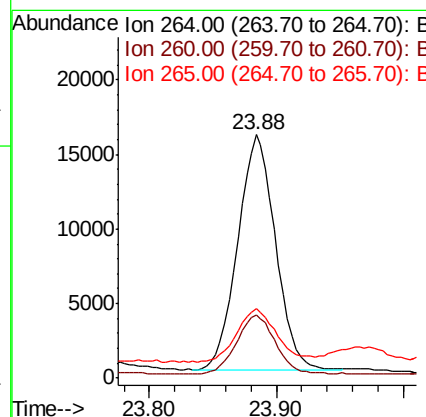
Manual Integrations
APPROVED

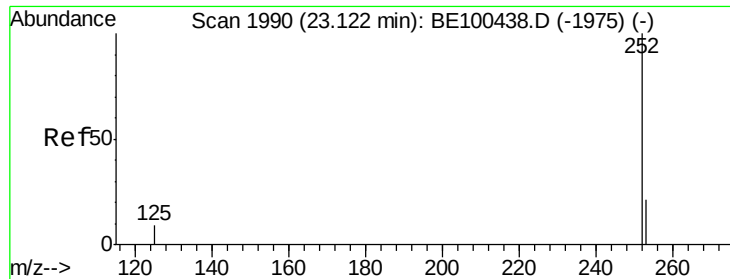
mohammad
7/19/2019 2:24:15 PM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BE100453.D
Acq: 17 Jul 2019 16:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.0	30.0
265	28.7	22.2	33.4





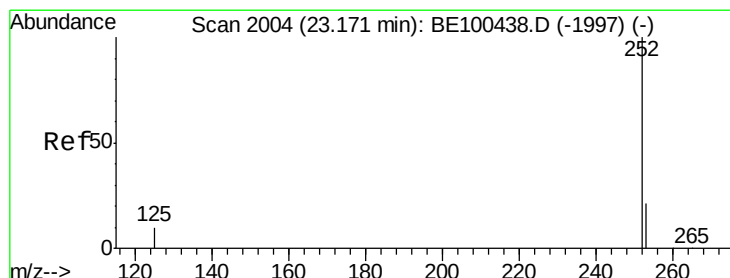
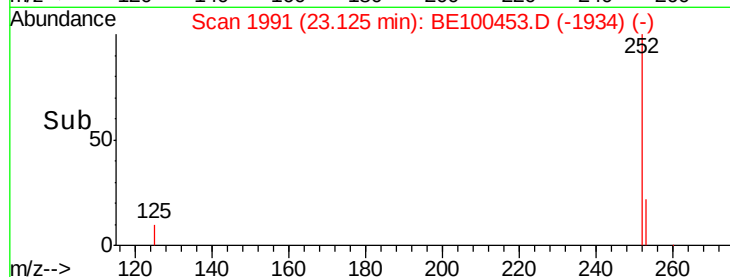
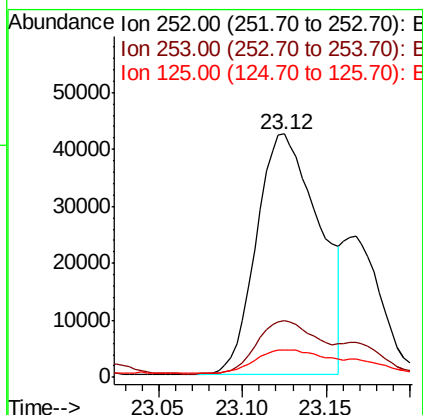
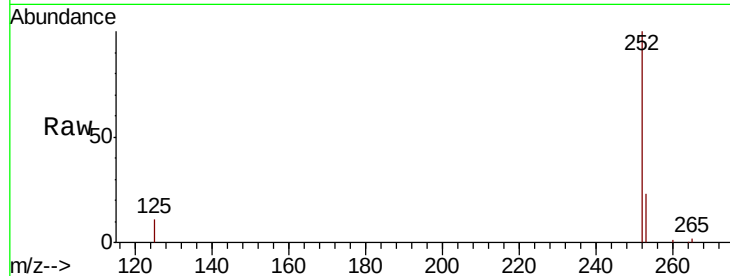
#35
Benzo(b)fluoranthene
Concen: 1.105 ng
RT: 23.12 min Scan# 1991
Delta R.T. 0.00 min
Lab File: BE100453.D
Acq: 17 Jul 2019 16:29

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	11.4	8.0	12.0

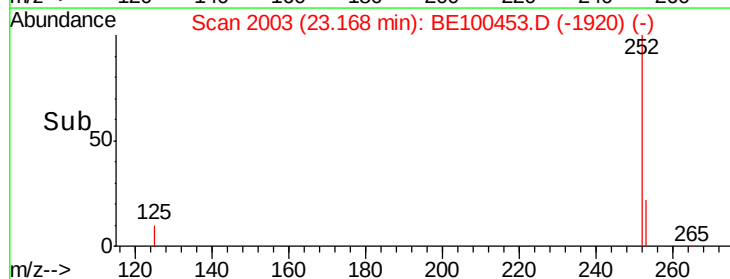
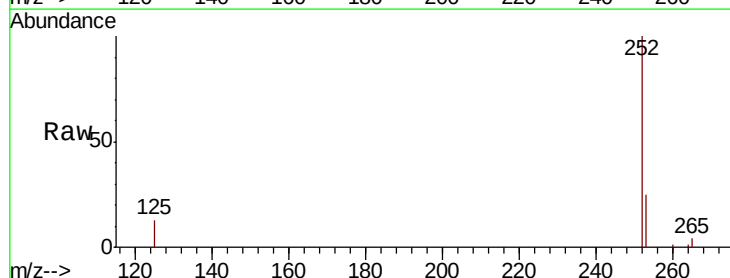
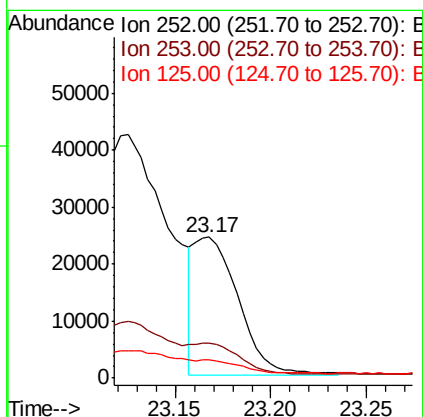
Manual Integrations
APPROVED

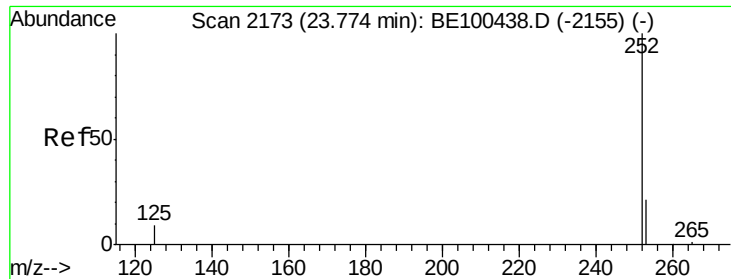
mohammad
7/19/2019 2:24:15 PM



#36
Benzo(k)fluoranthene
Concen: 0.371 ng m
RT: 23.17 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BE100453.D
Acq: 17 Jul 2019 16:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.7	26.5
125	12.9	8.3	12.5#





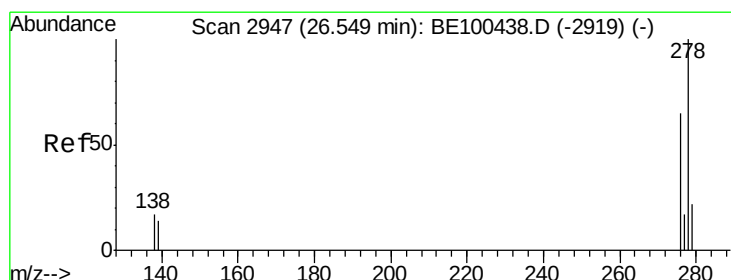
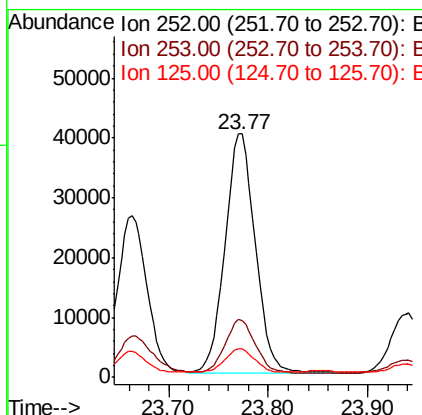
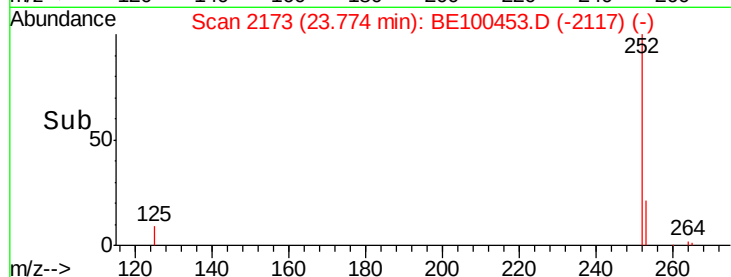
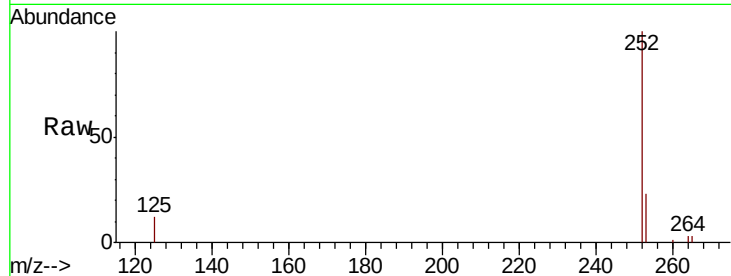
#37
Benzo(a)pyrene
Concen: 1.027 ng
RT: 23.77 min Scan# 2173
Delta R.T. -0.00 min
Lab File: BE100453.D
Acq: 17 Jul 2019 16:29

Instrument :
BNA_E
ClientSampleID :
HJDC-COMP4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	11.5	9.0	13.6

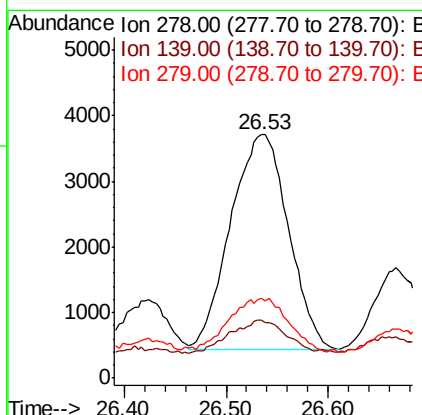
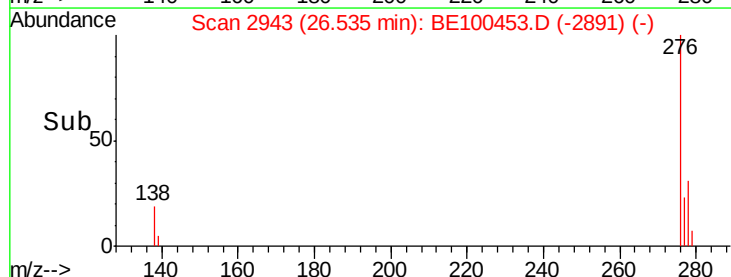
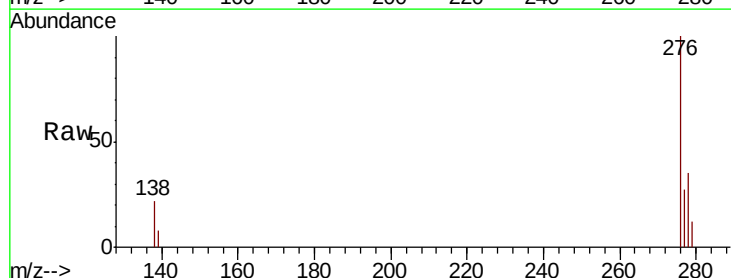
Manual Integrations
APPROVED

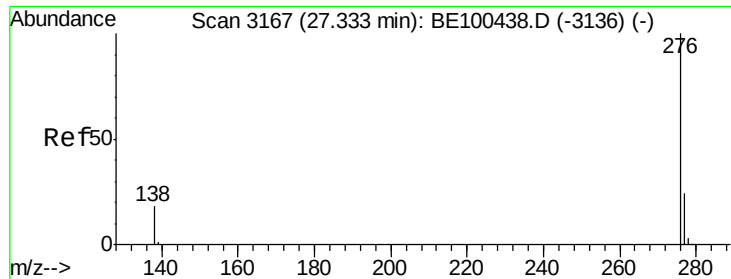
mohammad
7/19/2019 2:24:15 PM



#38
Dibenzo(a,h)anthracene
Concen: 0.147 ng
RT: 26.53 min Scan# 2943
Delta R.T. -0.01 min
Lab File: BE100453.D
Acq: 17 Jul 2019 16:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.7	12.2	18.2#
279	32.7	18.6	27.8#





#39

Benzo(a,h,i)perylene

Concen: 0.533 ng

RT: 27.32 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BE100453.D

Acq: 17 Jul 2019 16:29

Instrument :

BNA_E

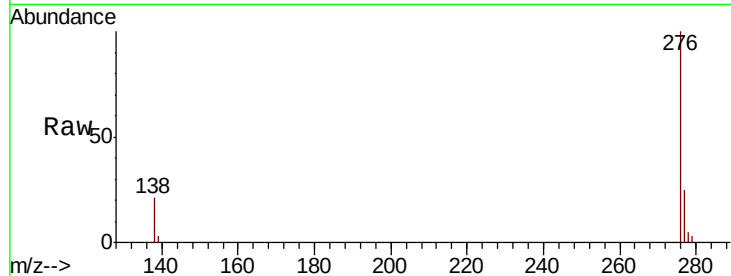
ClientSampleId :

HJDC-COMP4DL

Tot Ion:	276	Resp:	48904
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.6	29.4
138	20.7	15.1	22.7

Manual Integrations
APPROVED

mohammad
7/19/2019 2:24:15 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

