

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071719\
 Data File : BE100450.D
 Acq On : 17 Jul 2019 14:38
 Operator : HP/JU
 Sample : K3819-01DL 20X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP1DL

Manual Integrations
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 7/19/2019 2:24:07 PM

Quant Time: Jul 17 17:44:53 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	3215	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	14302	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	9645	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	24151	0.40	ng	0.00
27) Chrysene-d12	21.39	240	25472	0.40	ng	0.00
34) Perylene-d12	23.88	264	24646	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	6923	0.050	ng	# 95
12) 2-Methylnaphthalene	12.34	142	679	0.029	ng	# 90
16) Acenaphthylene	14.23	152	3916	0.100	ng	# 95
17) Acenaphthene	14.57	154	3220	0.120	ng	98
18) Fluorene	15.54	166	4560	0.132	ng	99
23) Phenanthrene	17.27	178	82353	1.280	ng	100
24) Anthracene	17.36	178	18953	0.357	ng	96
26) Fluoranthene	19.28	202	159442	1.950	ng	99
28) Pyrene	19.64	202	148391	1.991	ng	# 95
30) Benzo(a)anthracene	21.38	228	88028	1.273	ng	97
31) Chrysene	21.43	228	69466	0.846	ng	98
32) Bis(2-ethylhexyl)phthalate	21.32	149	159009	3.207	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.52	276	37917	0.519	ng	98
35) Benzo(b)fluoranthene	23.12	252	86675	1.151	ng	97
36) Benzo(k)fluoranthene	23.16	252	31311m	0.393	ng	
37) Benzo(a)pyrene	23.77	252	64016	1.034	ng	98
38) Dibenzo(a,h)anthracene	26.54	278	10028	0.152	ng	# 82
39) Benzo(a,h,i)perylene	27.32	276	38675	0.560	ng	97

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

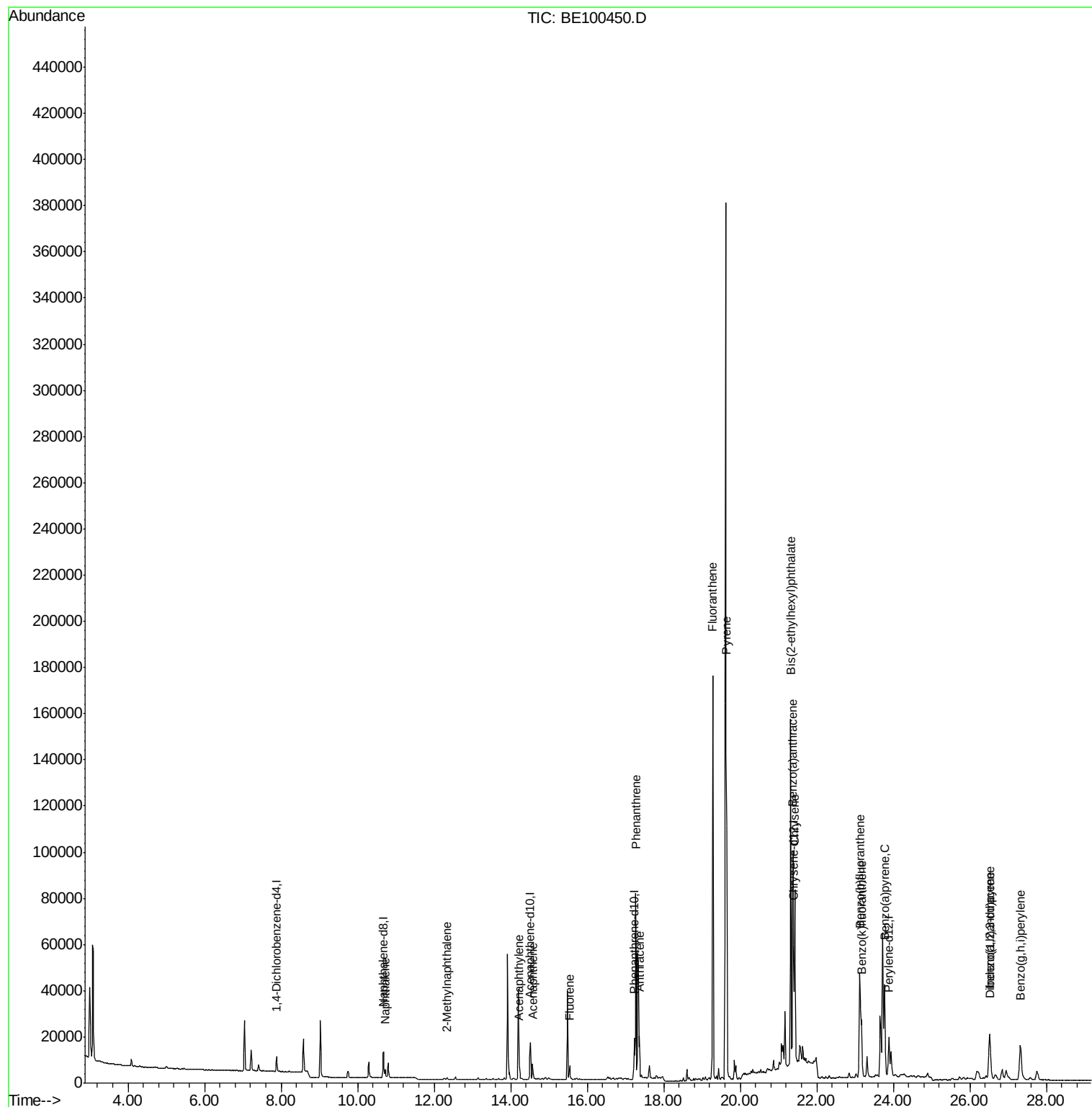
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071719\
Data File : BE100450.D
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Misc :
ALS Vial : 3 Sample Multiplier: 1

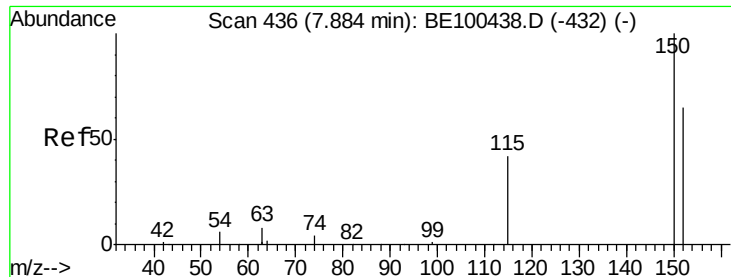
Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1DL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 16 14:03:26 2019
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#1

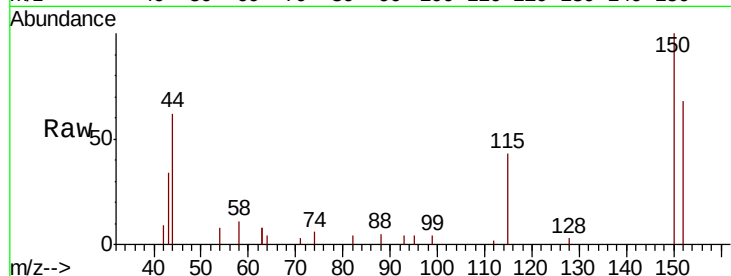
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.89 min Scan# 436
Delta R.T. 0.00 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.3	121.7	182.5
115	64.0	52.4	78.6

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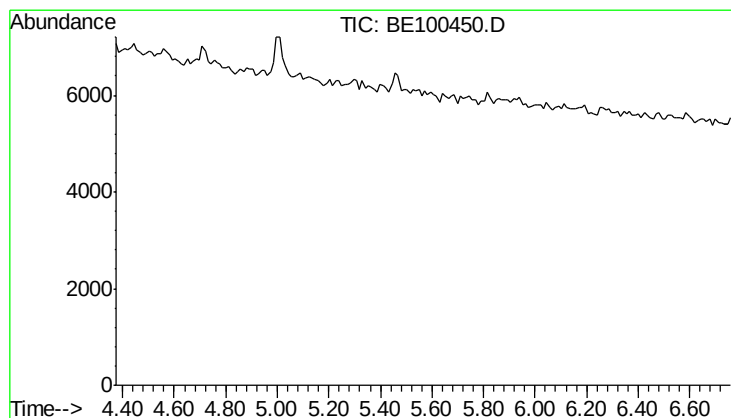
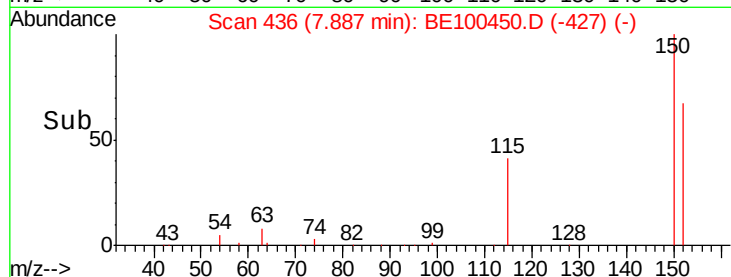
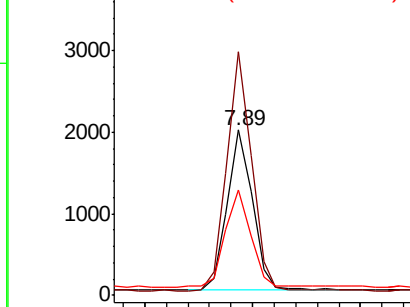


Abundance

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

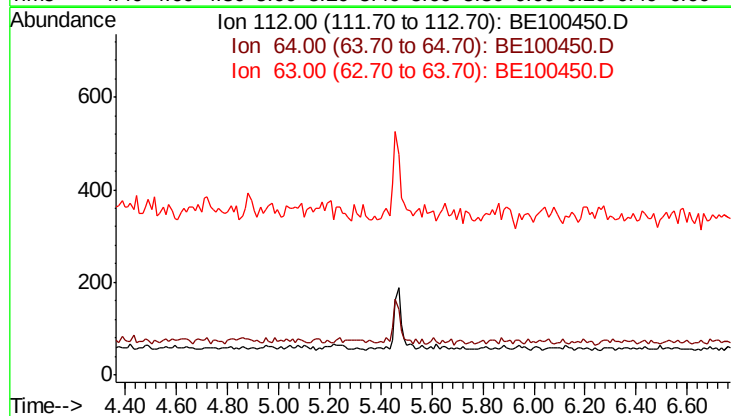


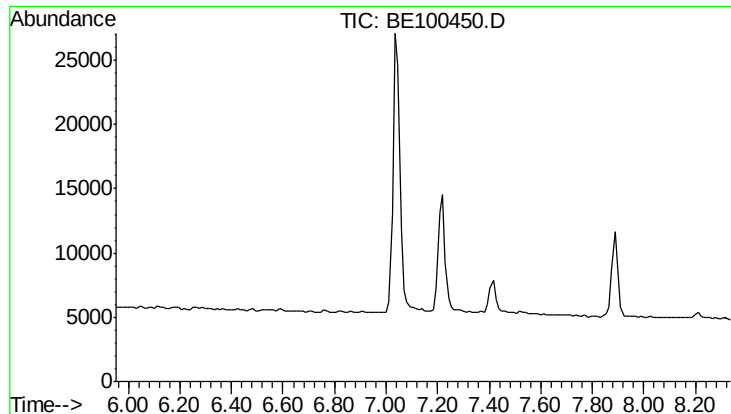
#4

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

Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Tgt Ion	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: BE100450.D

Acq: 17 Jul 2019 14:38

Tot Ion: 99

Sig Exp Ratio

99 100

42 21.8

71 35.3

Instrument :

BNA_E

ClientSampleId :

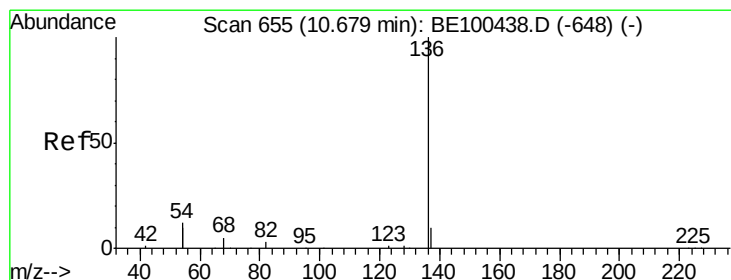
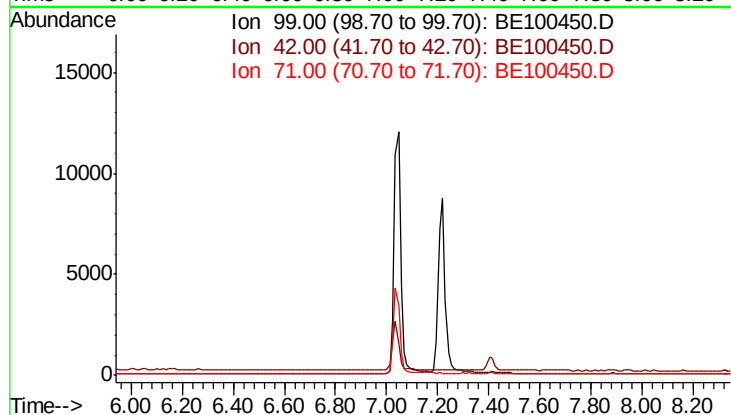
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#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE100450.D

Acq: 17 Jul 2019 14:38

Tgt Ion:136 Resp: 14302

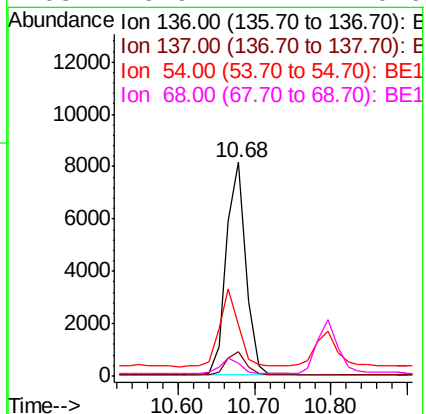
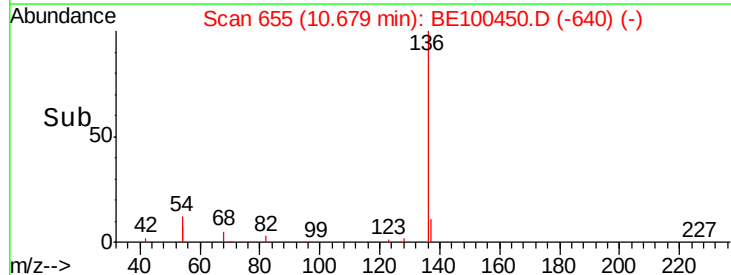
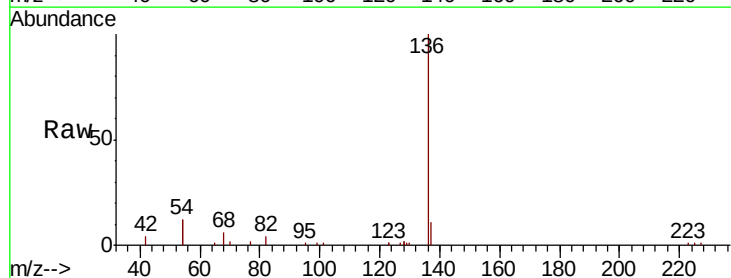
Ion Ratio Lower Upper

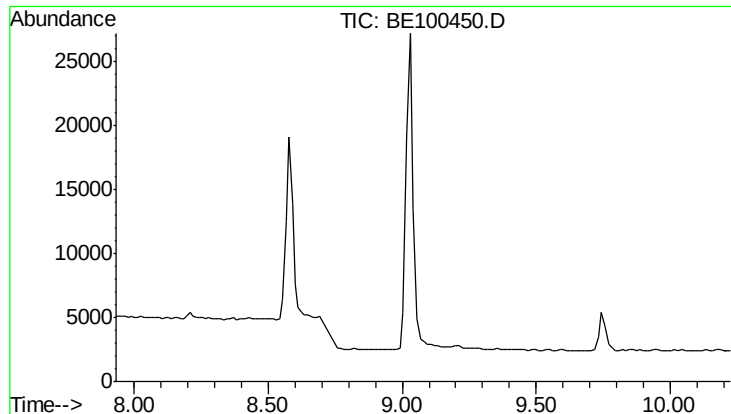
136 100

137 11.3 8.7 13.1

54 23.9 19.6 29.4

68 5.9 4.4 6.6





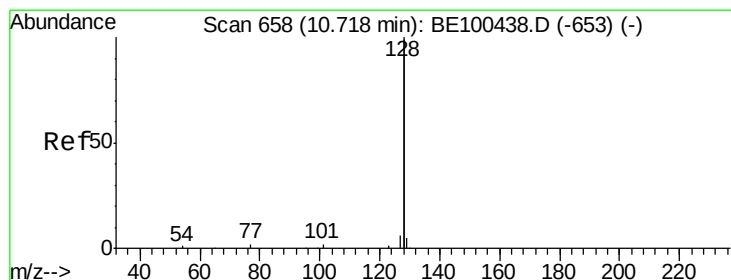
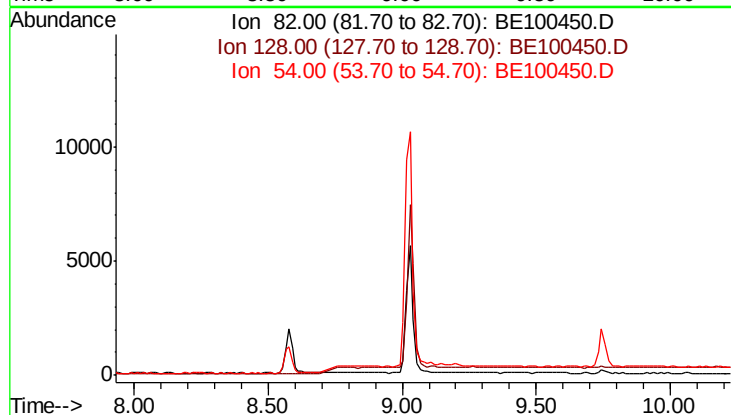
#8
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 9.03 min
 Lab File: BE100450.D
 Acq: 17 Jul 2019 14:38

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

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP1DL

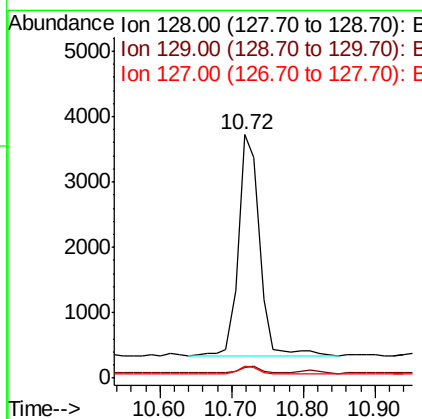
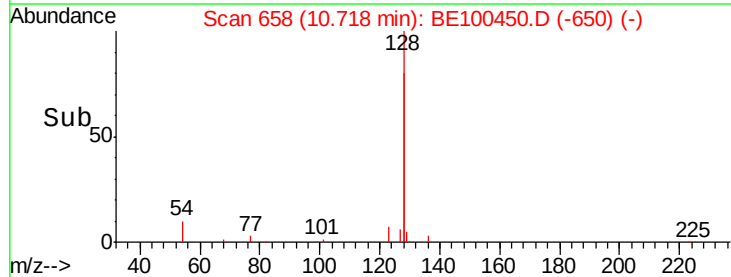
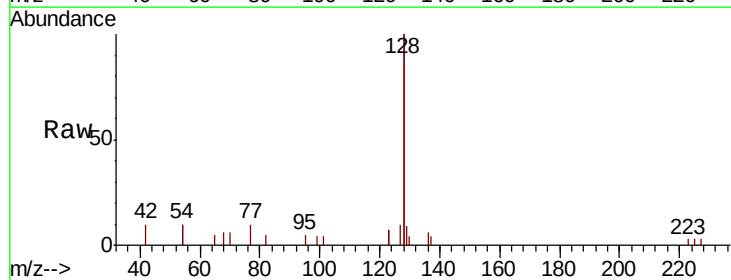
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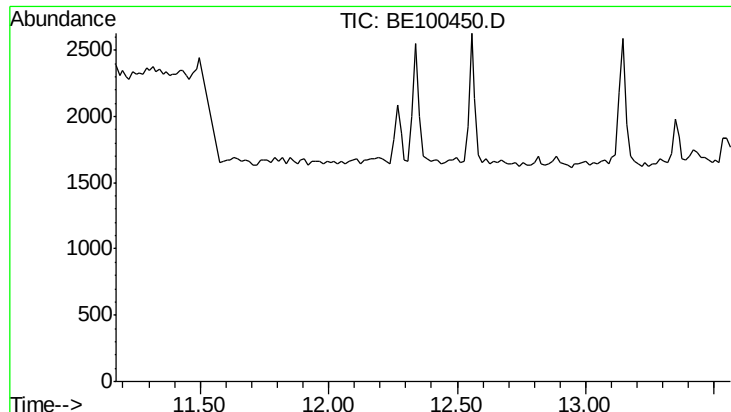
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#9
 Naphthalene
 Concen: 0.050 ng
 RT: 10.72 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: BE100450.D
 Acq: 17 Jul 2019 14:38

Tgt Ion:	128	Resp:	6923
Ion	Ratio	Lower	Upper
128	100		
129	4.5	2.2	3.4#
127	4.8	2.7	4.1#





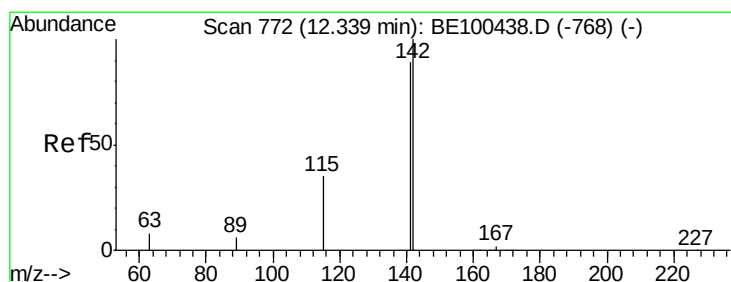
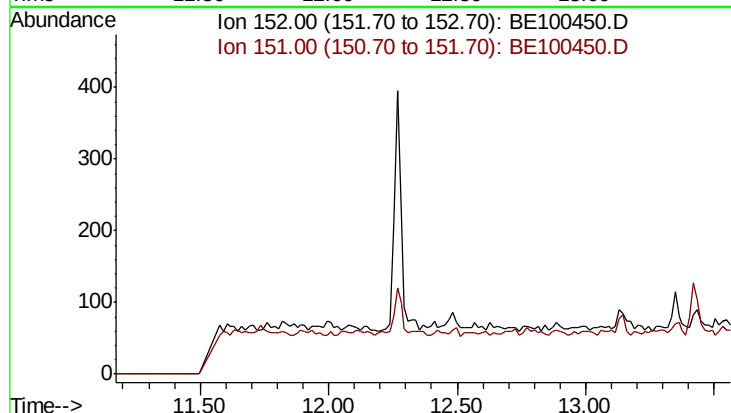
#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.27 min
 Lab File: BE100450.D
 Acq: 17 Jul 2019 14:38

Tot Ion: 152
 Sig Exp Ratio
 152 100
 151 20.0

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP1DL

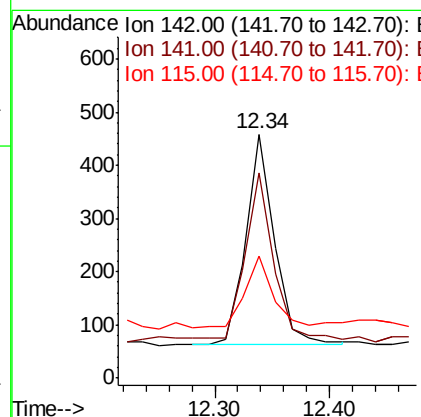
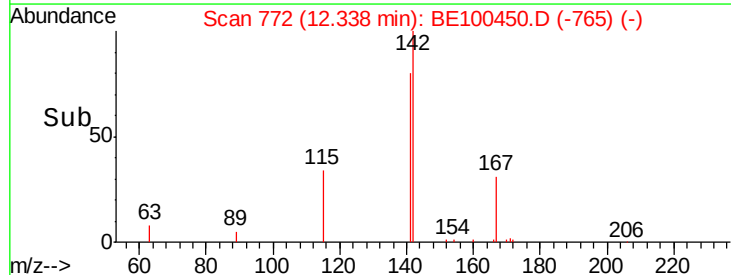
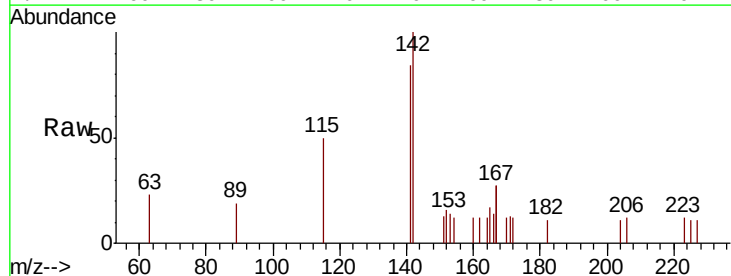
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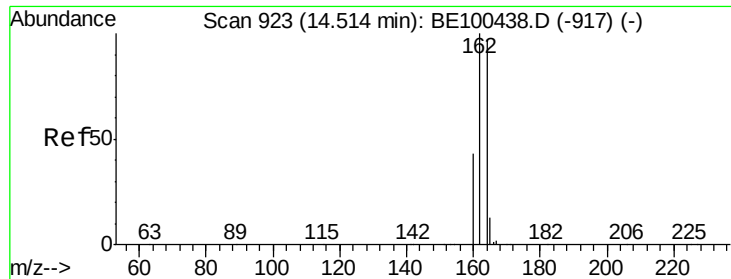
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#12
 2-Methylnaphthalene
 Concen: 0.029 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE100450.D
 Acq: 17 Jul 2019 14:38

Tgt Ion: 142 Resp: 679
 Ion Ratio Lower Upper
 142 100
 141 84.3 70.9 106.3
 115 50.2 29.0 43.4#





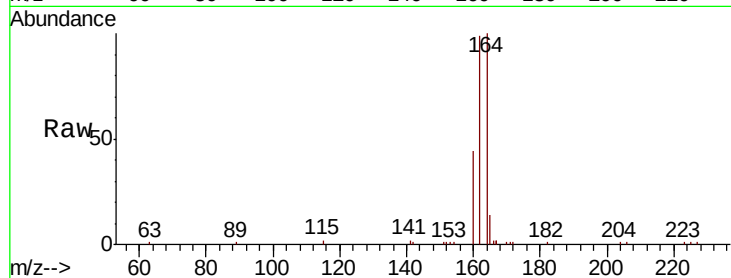
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.51 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: BE100450.D
 Acq: 17 Jul 2019 14:38

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP1DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.2	82.6	124.0
160	43.8	35.6	53.4

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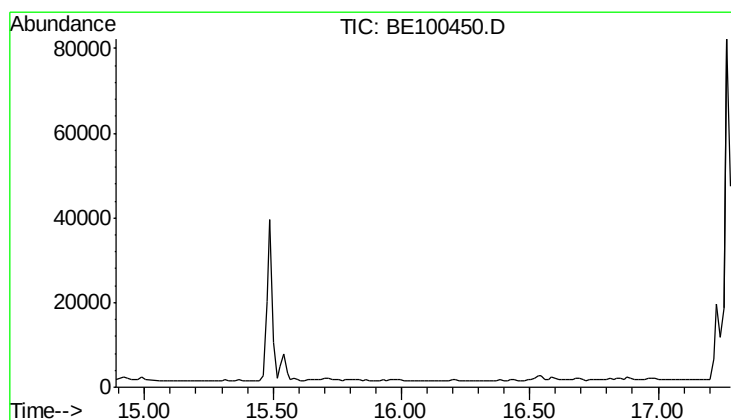
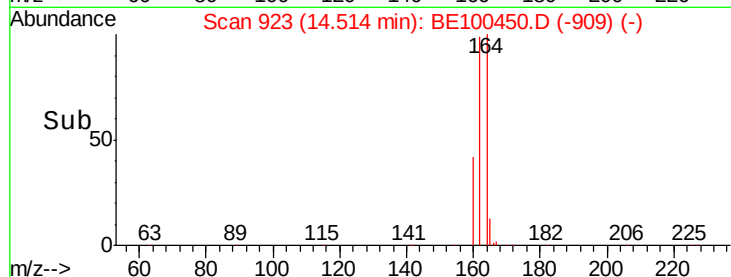
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

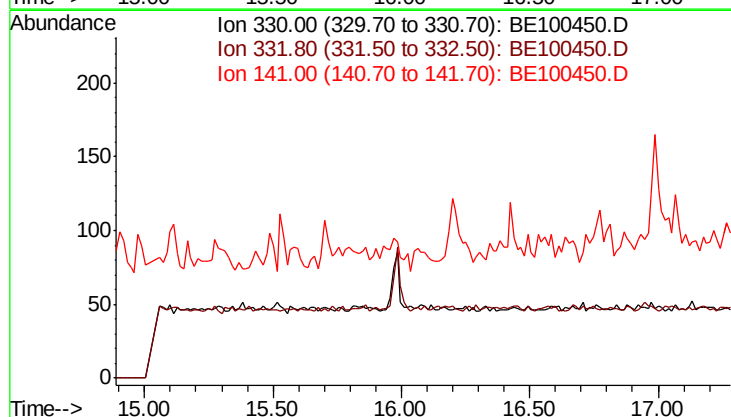
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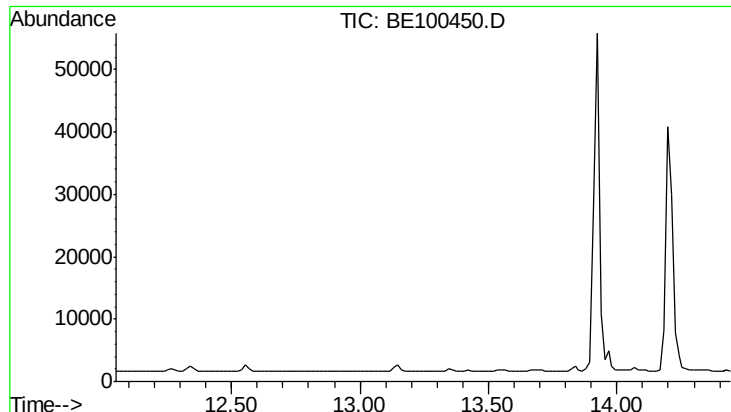


#14
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 15.98 min

Lab File: BE100450.D
 Acq: 17 Jul 2019 14:38

Tgt Ion	Exp Ratio
330	100
332	95.4
141	35.1





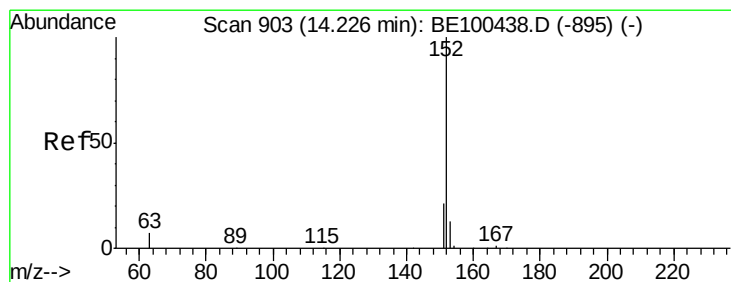
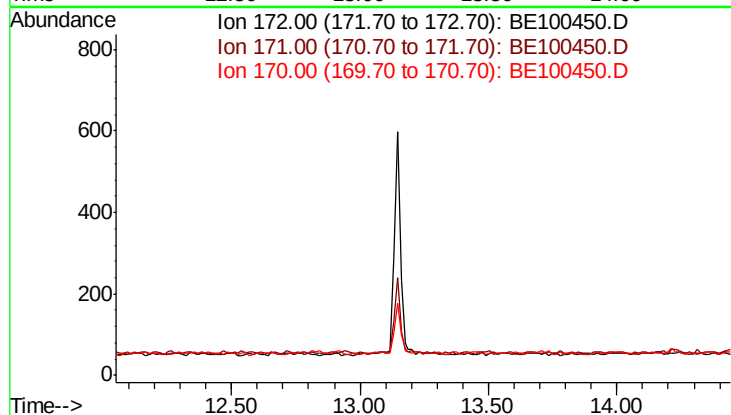
#15
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.15 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1DL

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

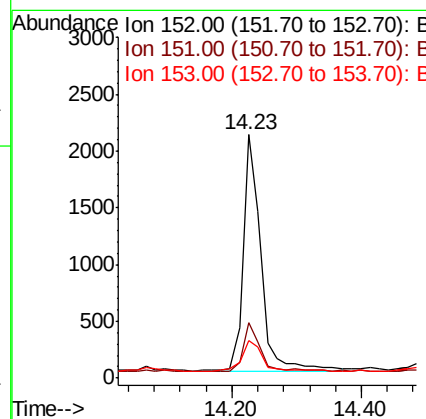
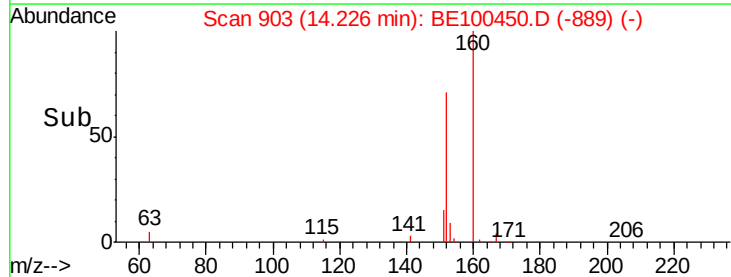
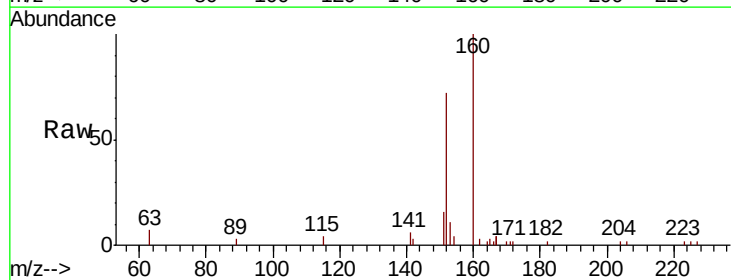
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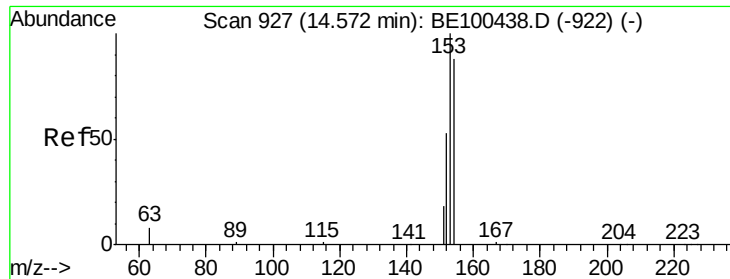
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#16
Acenaphthylene
Concen: 0.100 ng
RT: 14.23 min Scan# 903
Delta R.T. -0.00 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Tgt Ion: 152 Resp: 3916
Ion Ratio Lower Upper
152 100
151 21.7 15.8 23.8
153 15.8 10.4 15.6#





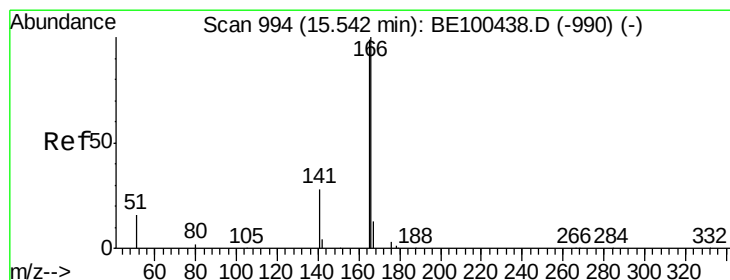
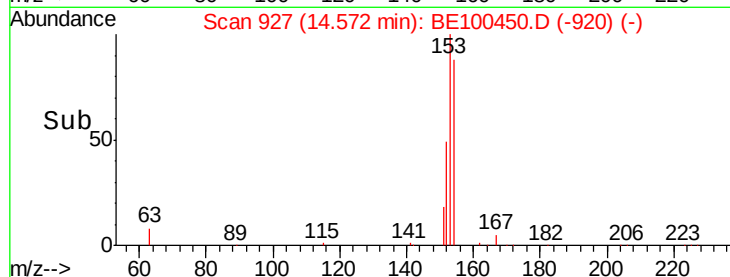
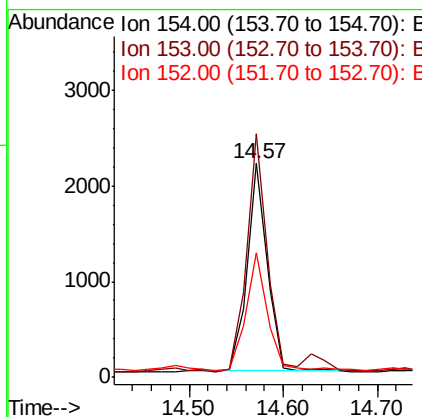
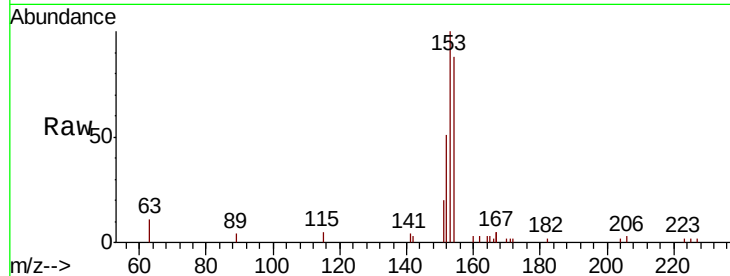
#17
Acenaphthene
Concen: 0.120 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.00 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.1	91.0	136.4
152	60.9	49.4	74.2

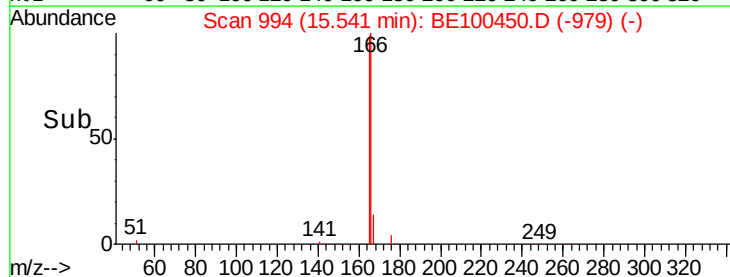
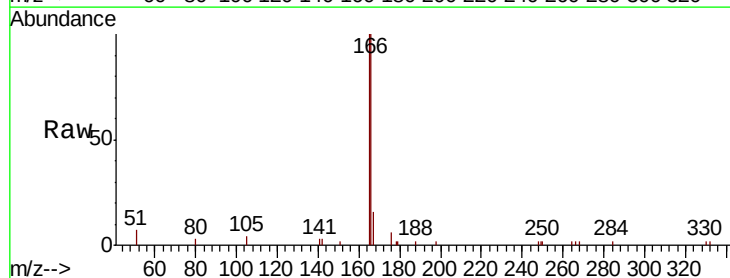
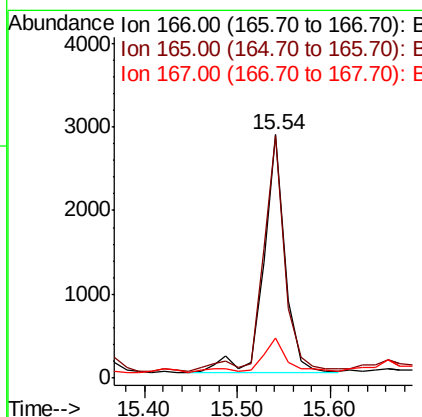
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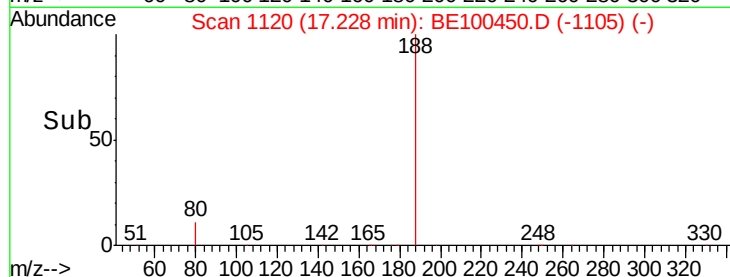
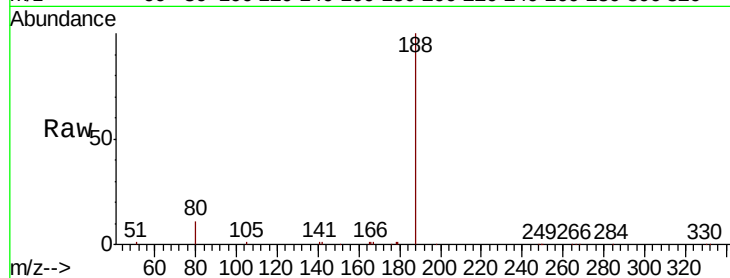
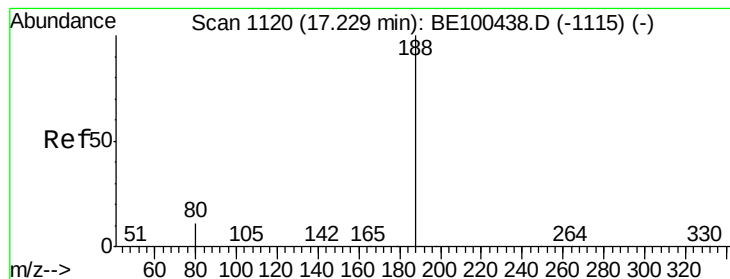
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#18
Fluorene
Concen: 0.132 ng
RT: 15.54 min Scan# 994
Delta R.T. -0.00 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.6	119.4
167	15.2	10.6	15.8





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE100450.D

Acq: 17 Jul 2019 14:38

Tot Ion:	188	Resp:	24151
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	11.3	9.2	13.8

Instrument :

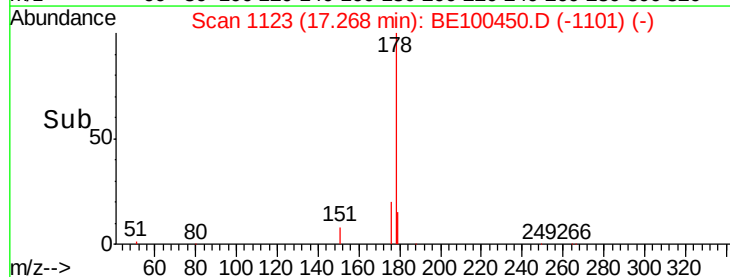
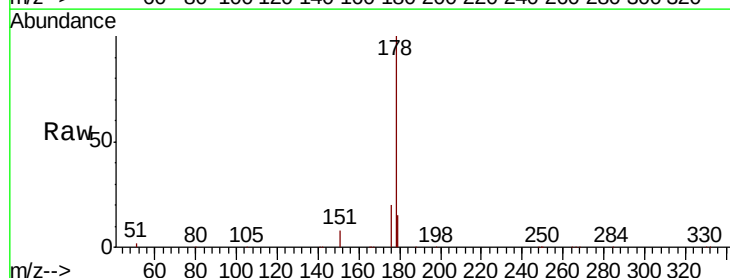
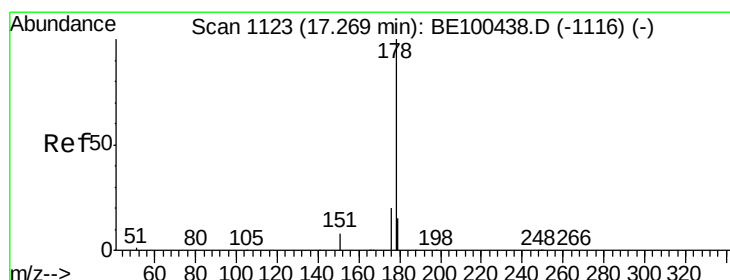
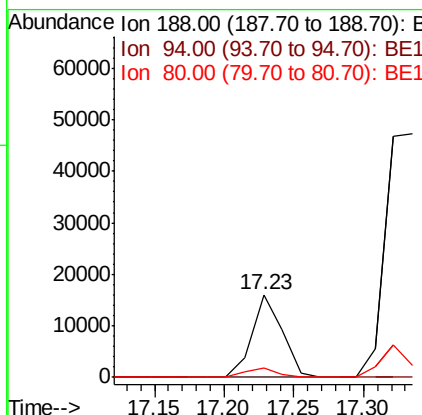
BNA_E

ClientSampleId :

HJDC-COMP1DL

Manual Integrations
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#23

Phenanthrene

Concen: 1.280 ng

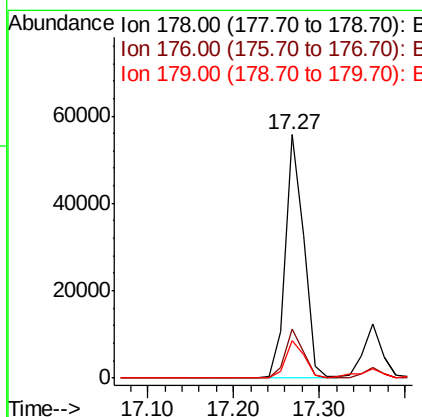
RT: 17.27 min Scan# 1123

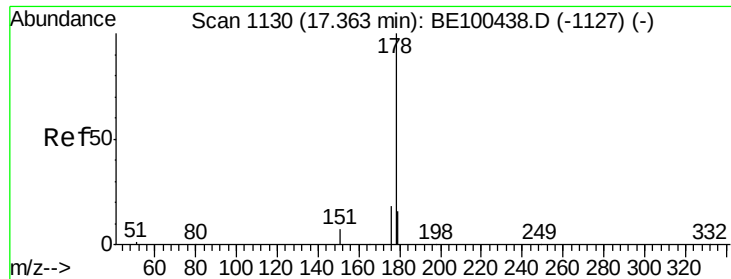
Delta R.T. -0.00 min

Lab File: BE100450.D

Acq: 17 Jul 2019 14:38

Tgt Ion:	178	Resp:	82353
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.5	23.3
179	15.4	12.4	18.6





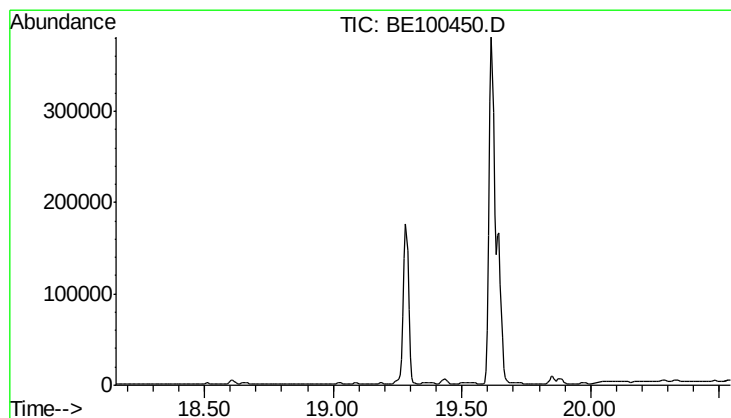
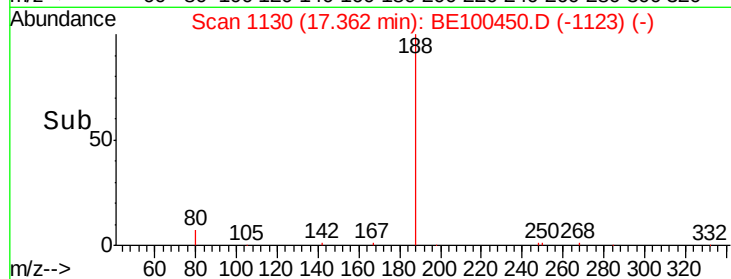
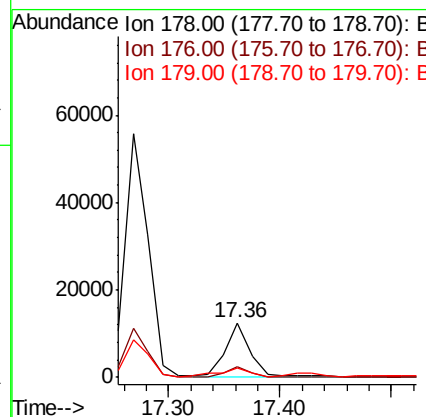
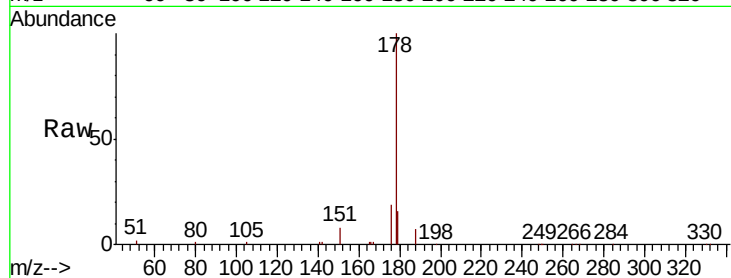
#24
 Anthracene
 Concen: 0.357 ng
 RT: 17.36 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BE100450.D
 Acq: 17 Jul 2019 14:38

Instrument :
 BNA_E
 ClientSampleId :
 HJDC-COMP1DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	18.1	12.3	18.5

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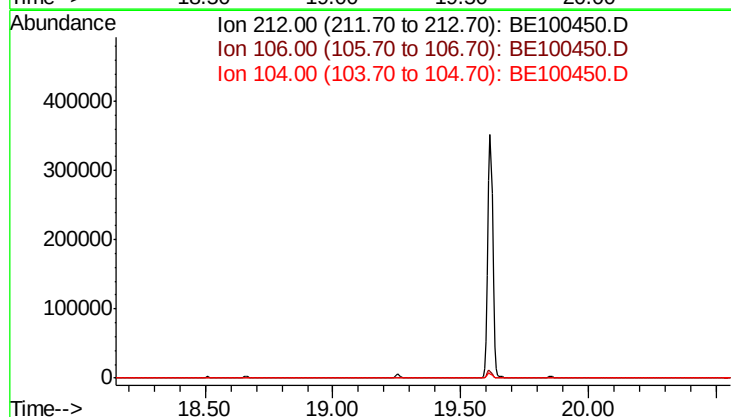
mohammad
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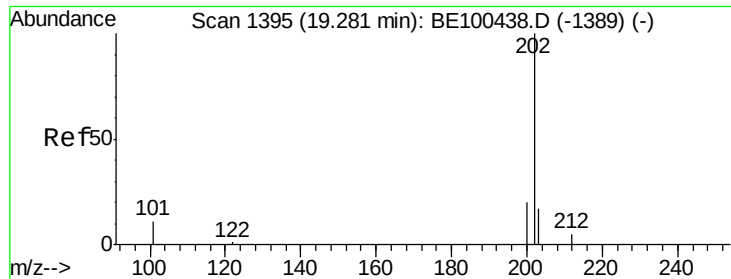


#25
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.25 min

Lab File: BE100450.D
 Acq: 17 Jul 2019 14:38

Tgt Ion	Sig	Exp Ratio
212	100	
106	3.2	
104	1.8	





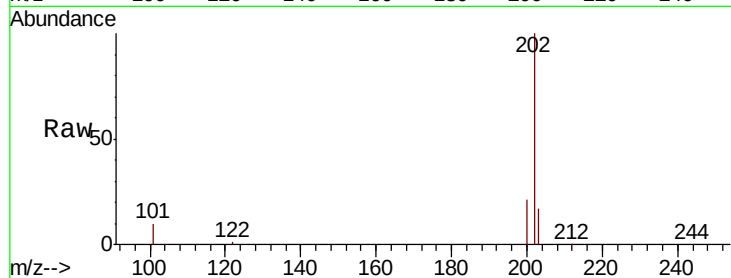
#26
Fluoranthene
Concen: 1.950 ng
RT: 19.28 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100	159442		
101	10.1		8.9	13.3
203	17.3		13.8	20.6

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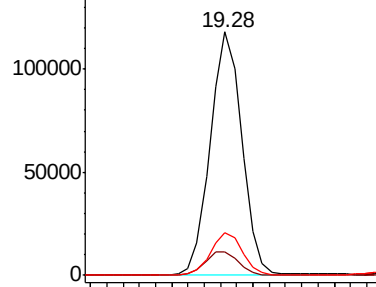


Abundance

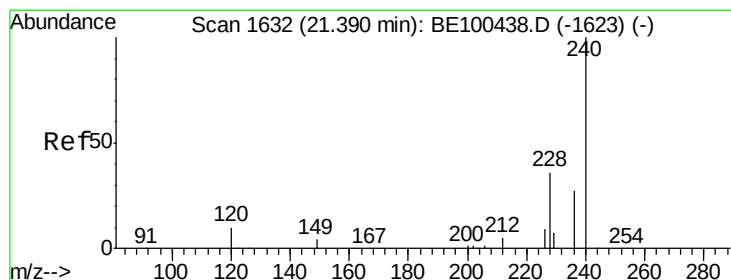
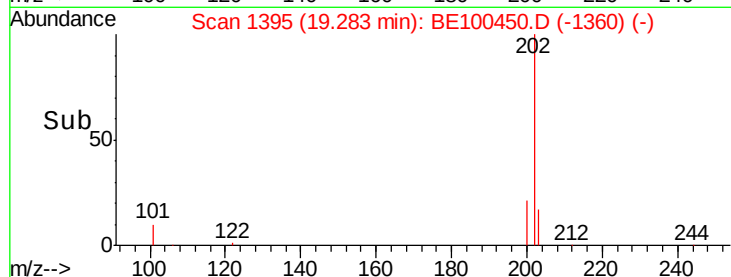
Ion 202.00 (201.70 to 202.70): E

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# 1632
Delta R.T. 0.00 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

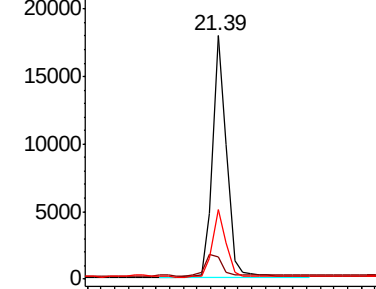
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	25472		
120	9.2		8.8	13.2
236	28.5		22.0	33.0

Abundance

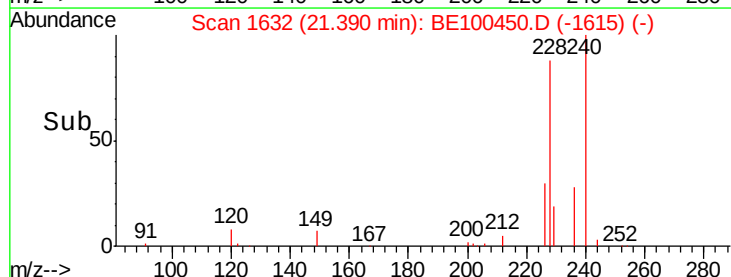
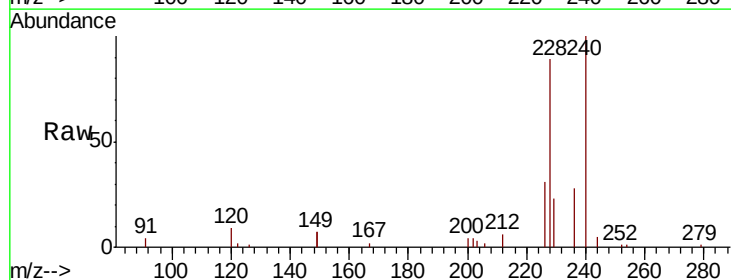
Ion 240.00 (239.70 to 240.70): E

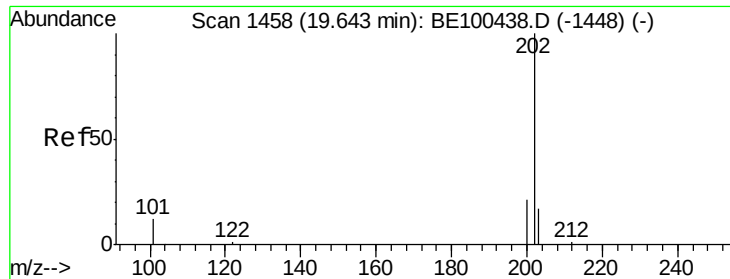
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.20 21.30 21.40 21.50





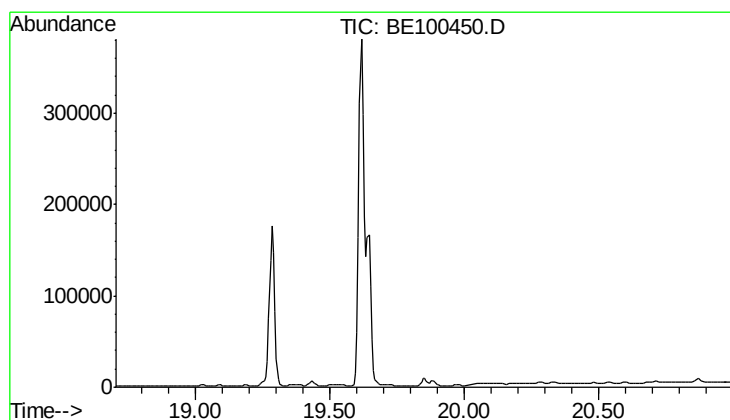
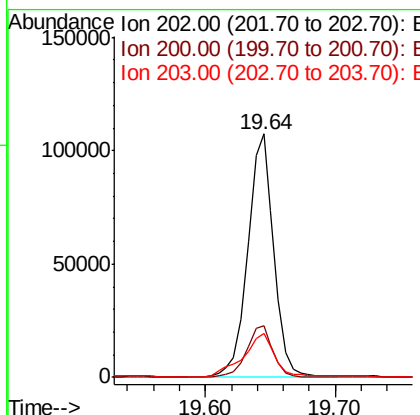
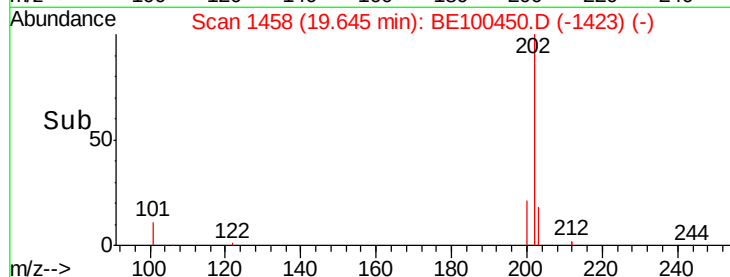
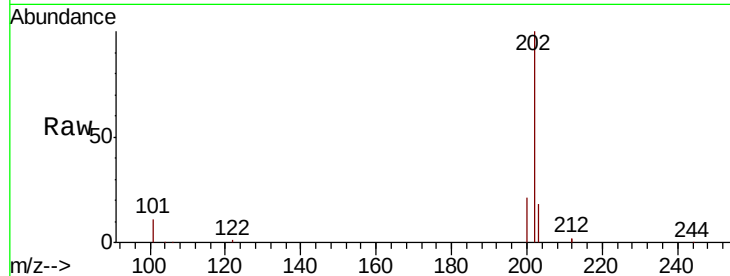
#28
Pvrene
Concen: 1.991 ng
RT: 19.64 min Scan# 1458
Delta R.T. 0.00 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	16.8	25.2
203	22.2	13.8	20.8

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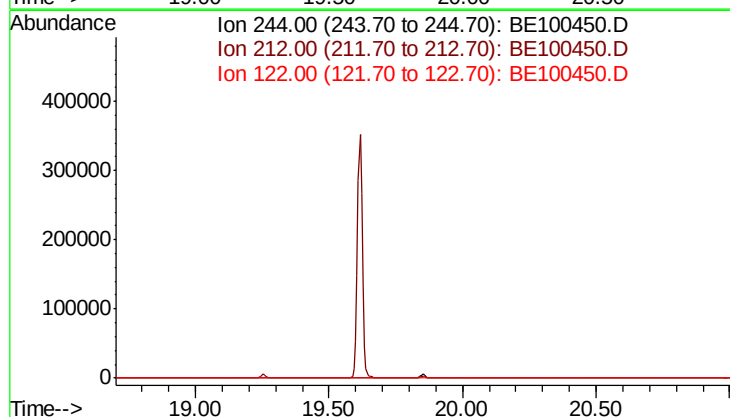
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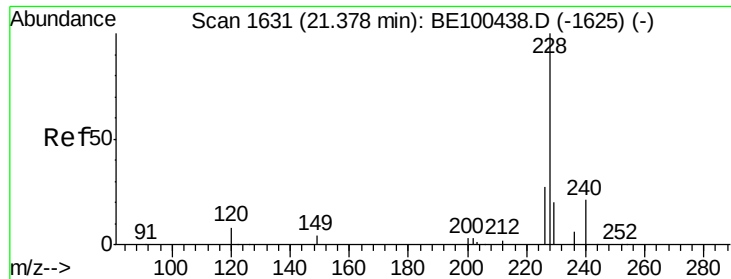


#29
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.85 min

Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Tgt Ion	Sig	Exp Ratio
244	100	
212	32.9	
122	11.8	





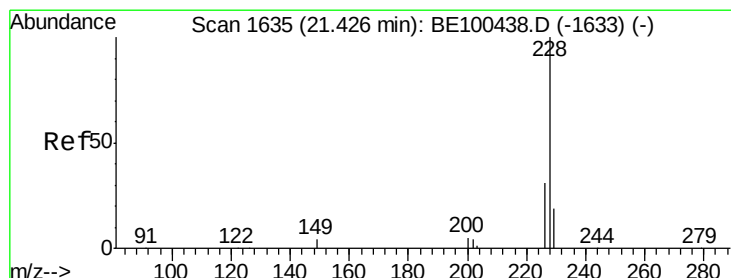
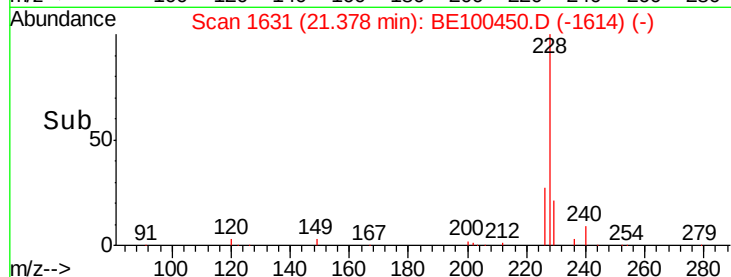
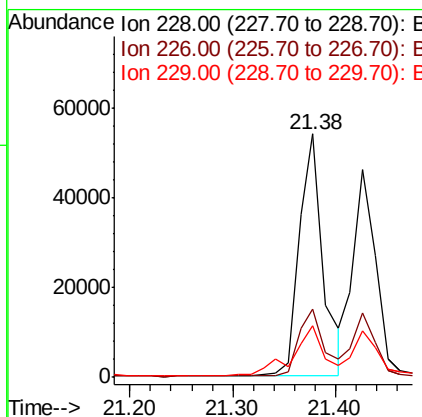
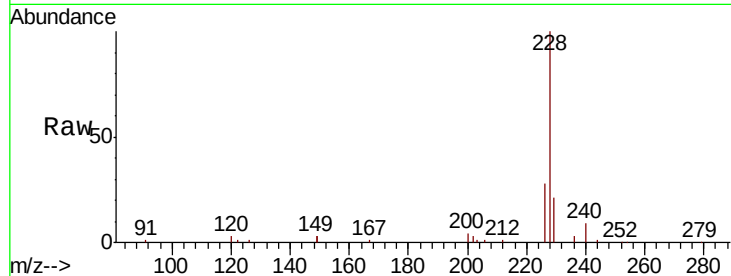
#30
Benzo(a)anthracene
Concen: 1.273 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.00 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Instrument :
BNA_E
ClientSampled :
HJDC-COMP1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.6	32.4
229	21.4	15.8	23.8

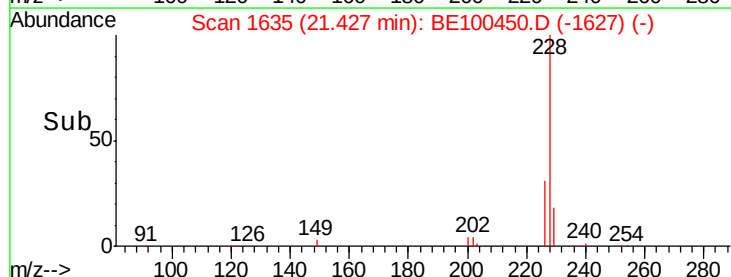
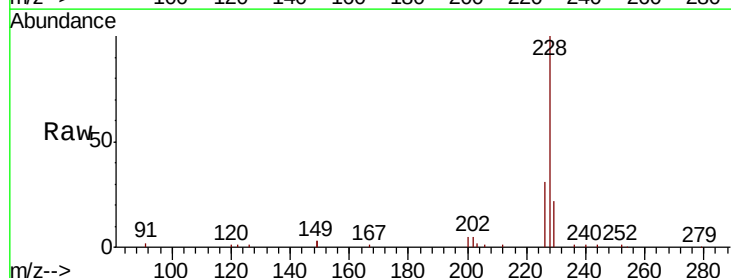
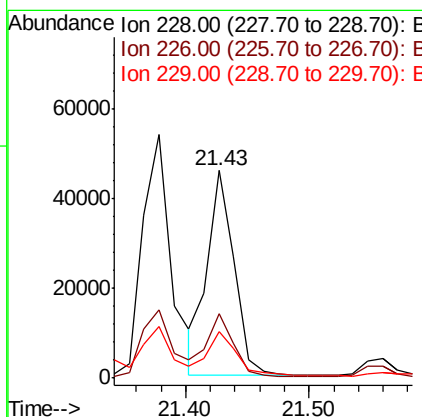
Manual Integrations
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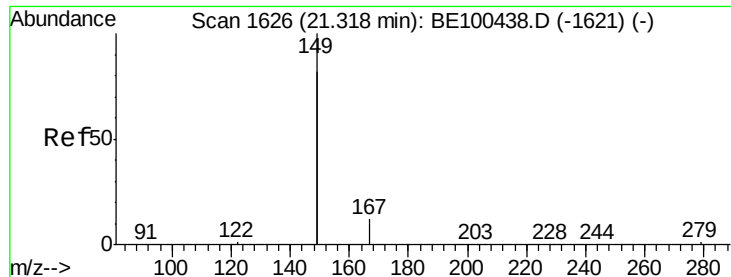
mohammad
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#31
Chrysene
Concen: 0.846 ng
RT: 21.43 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.8	37.2
229	22.4	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 3.207 ng

RT: 21.32 min Scan# 1626

Delta R.T. 0.00 min

Lab File: BE100450.D

Acq: 17 Jul 2019 14:38

Instrument :

BNA_E

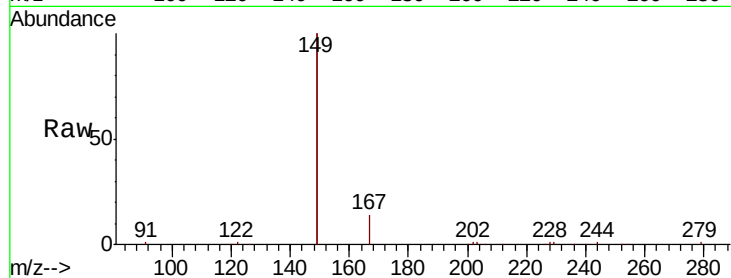
ClientSampleId :

HJDC-COMP1DL

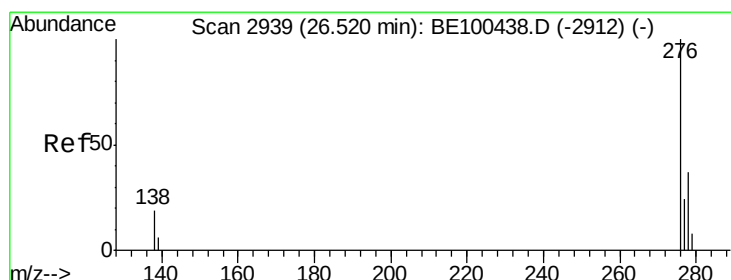
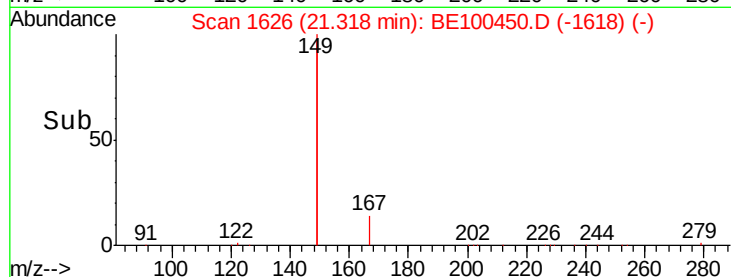
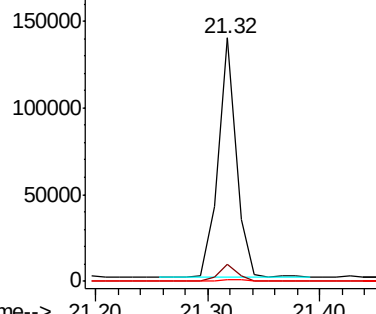
Tot Ion:	149	Resp:	159009
Ion Ratio	Lower	Upper	
149	100		
167	7.2	5.0	7.6
279	0.9	1.2	1.8#

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.519 ng

RT: 26.52 min Scan# 2938

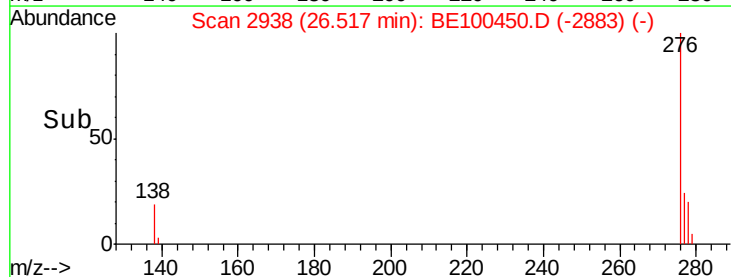
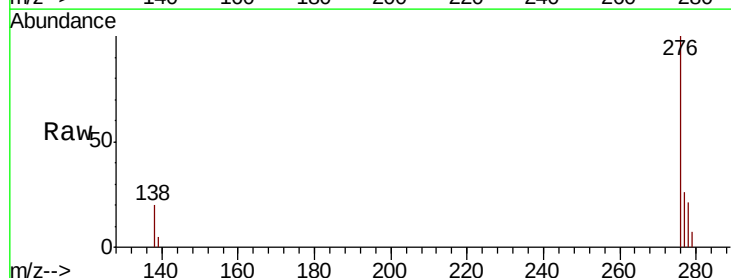
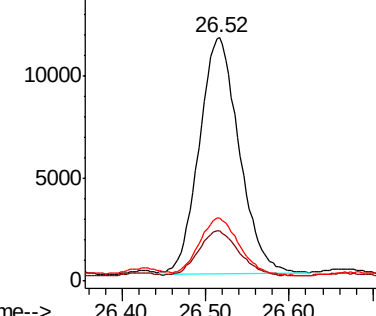
Delta R.T. -0.00 min

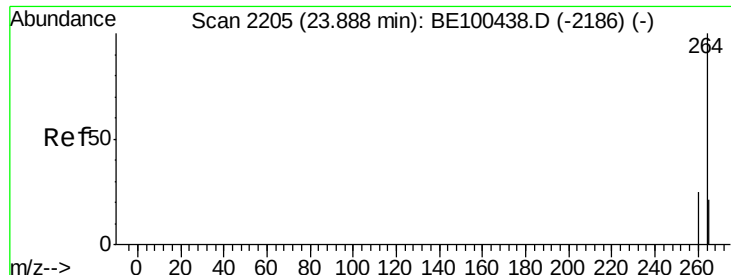
Lab File: BE100450.D

Acq: 17 Jul 2019 14:38

Tgt Ion:	276	Resp:	37917
Ion Ratio	Lower	Upper	
276	100		
138	19.3	17.0	25.6
277	24.2	19.8	29.6

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





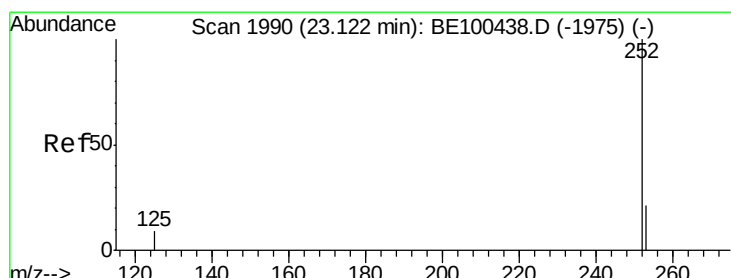
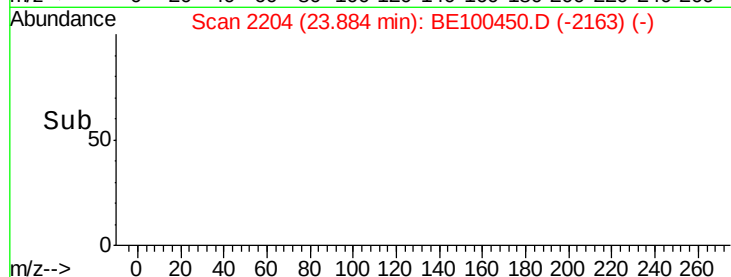
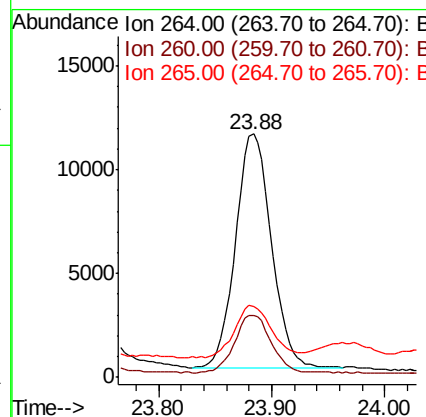
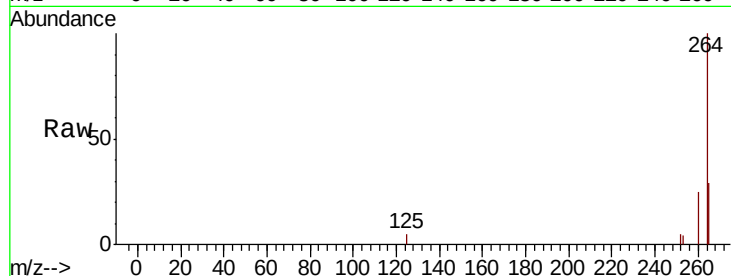
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.88 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.0	30.0
265	29.2	22.2	33.4

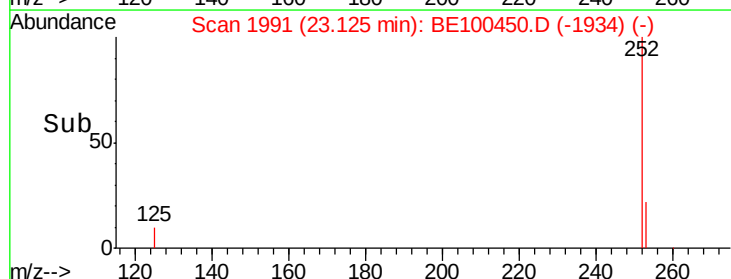
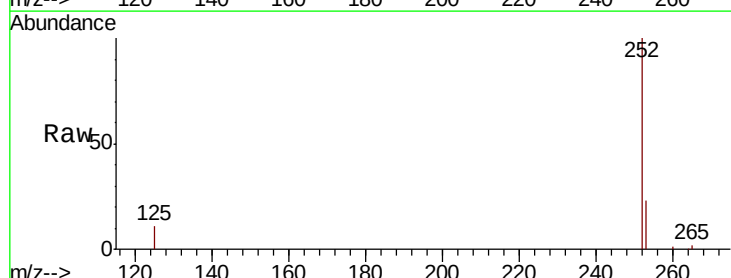
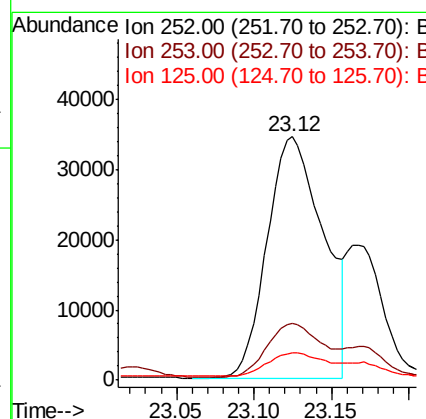
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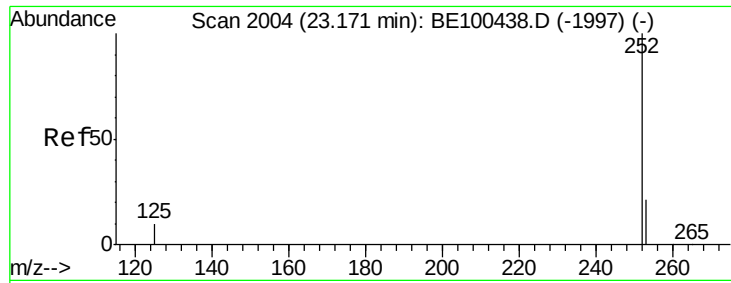
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#35
Benzo(b)fluoranthene
Concen: 1.151 ng
RT: 23.12 min Scan# 1991
Delta R.T. 0.00 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	11.2	8.0	12.0





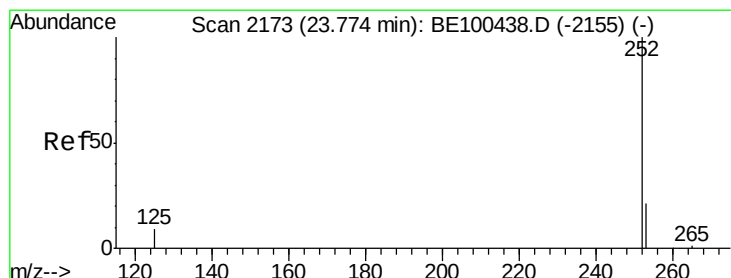
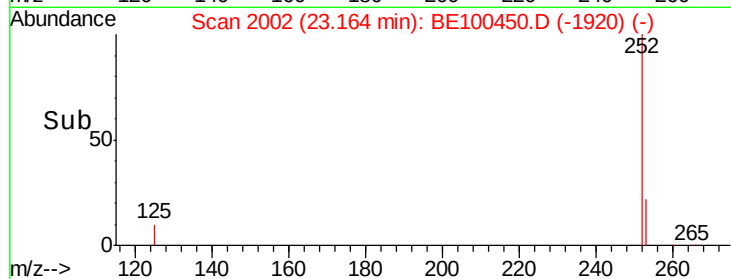
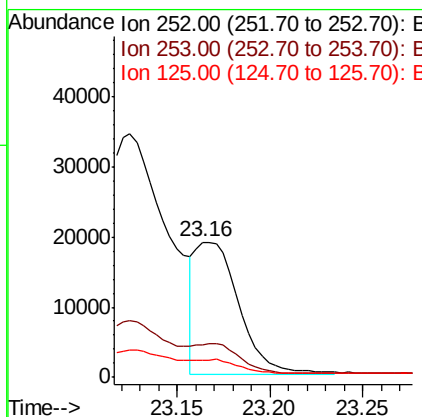
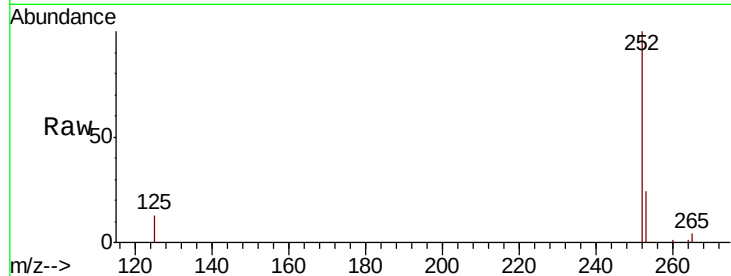
#36
Benzo(k)fluoranthene
Concen: 0.393 ng m
RT: 23.16 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Instrument :
BNA_E
ClientSampleId :
HJDC-COMP1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.7	26.5
125	13.0	8.3	12.5

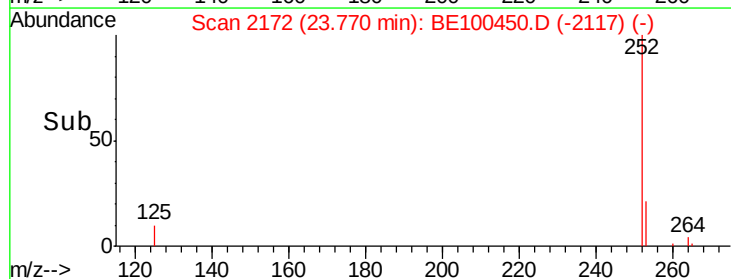
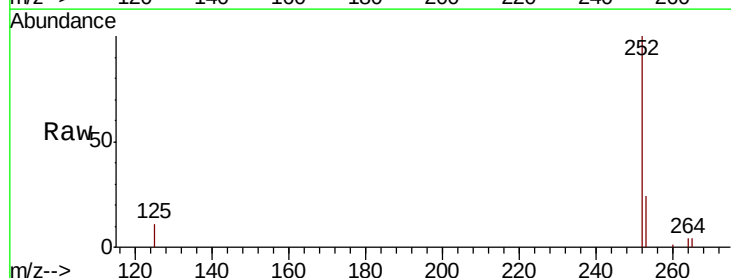
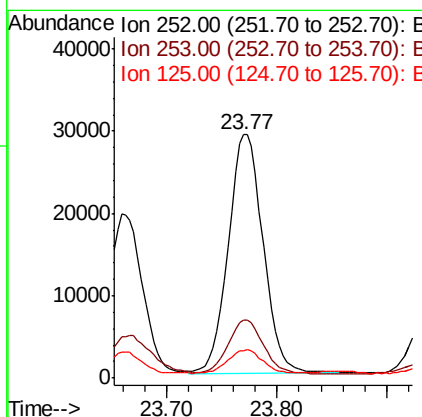
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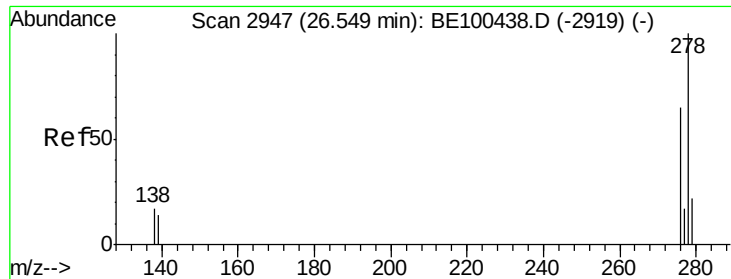
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#37
Benzo(a)pyrene
Concen: 1.034 ng
RT: 23.77 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	11.4	9.0	13.6





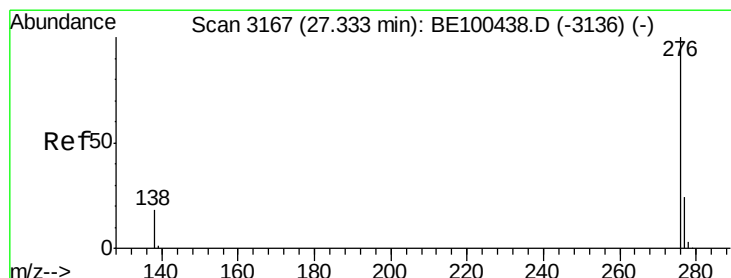
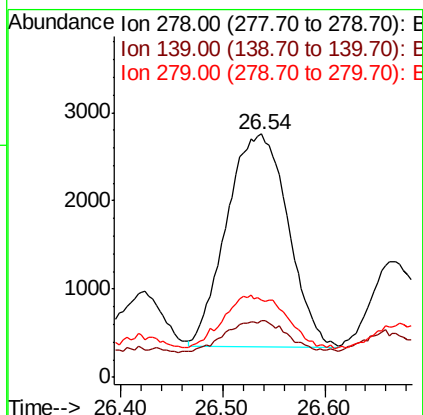
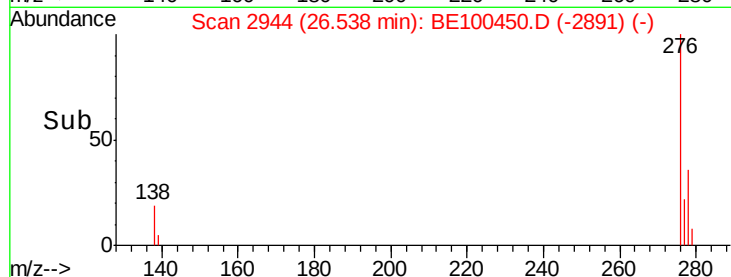
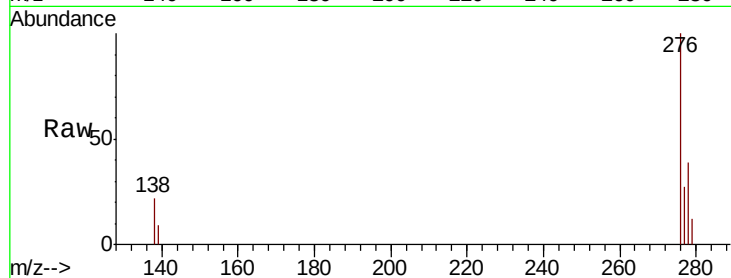
#38
Dibenzo(a,h)anthracene
Concen: 0.152 ng
RT: 26.54 min Scan# 2944
Delta R.T. -0.01 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Instrument :
BNA_E
ClientSampleID :
HJDC-COMP1DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.1	12.2	18.2#
279	31.7	18.6	27.8#

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#39
Benzo(g,h,i)perylene
Concen: 0.560 ng
RT: 27.32 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BE100450.D
Acq: 17 Jul 2019 14:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.6	29.4
138	21.5	15.1	22.7

