

Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE052219\
 Data File : BE099725.D
 Acq On : 22 May 2019 18:09
 Operator : JU/SJ
 Sample : K2966-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FESB-17(1.9-2.4)

Manual Integrations
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mohammad
 5/24/2019 8:48:43 AM

Quant Time: May 31 16:53:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 19:29:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1563	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	5223	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	3875	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	11112	0.40	ng	0.00
27) Chrysene-d12	21.41	240	16122	0.40	ng	0.00
34) Perylene-d12	23.95	264	19146	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	1227	0.31	ng	0.00
5) Phenol-d6	6.97	99	1790	0.34	ng	0.00
8) Nitrobenzene-d5	8.98	82	1314m	0.29	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	2569	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	725	0.38	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	3723	0.25	ng	0.00
25) Fluoranthene-d10	19.26	212	35663	0.23	ng	0.00
29) Terphenyl-d14	19.86	244	6632	0.23	ng	0.00
Target Compounds						
23) Phenanthrene	17.27	178	772	0.028	ng	# 87
26) Fluoranthene	19.29	202	1969	0.046	ng	# 96
28) Pyrene	19.66	202	1947	0.048	ng	# 94
30) Benzo(a)anthracene	21.40	228	1106	0.024	ng	# 56
32) Bis(2-ethylhexyl)phthalate	21.31	149	15256	0.289	ng	100
35) Benzo(b)fluoranthene	23.17	252	1686	0.032	ng	# 41
37) Benzo(a)pyrene	23.84	252	1229	0.024	ng	# 34

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

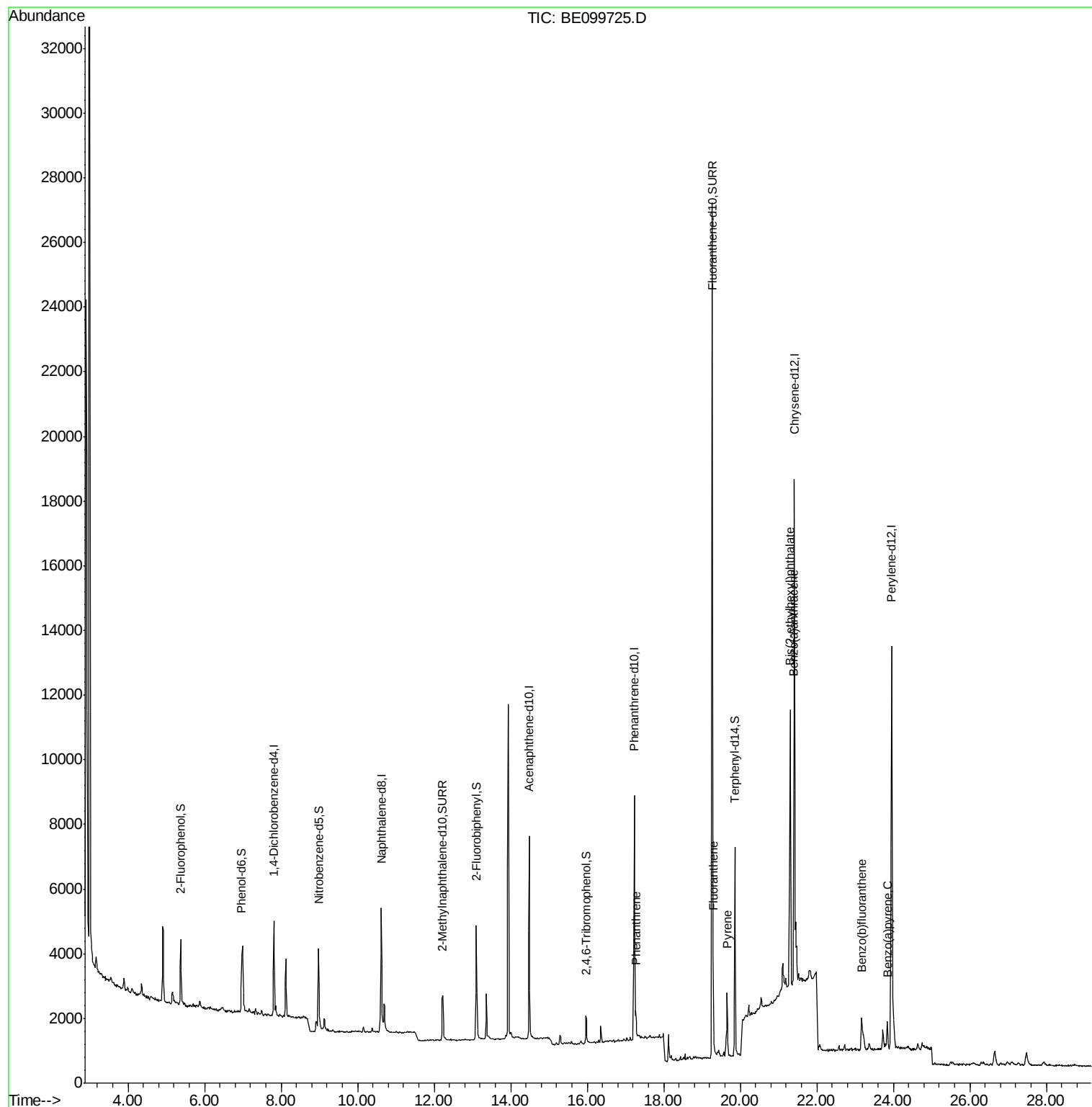
Data Path : Z:\svoasrv\HPCHEM1\BNA E\Data\BE052219\
Data File : BE099725.D
Acq On : 22 May 2019 18:09
Operator : JU/SJ
Sample : K2966-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

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FESB-17(1.9-2.4)

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#1

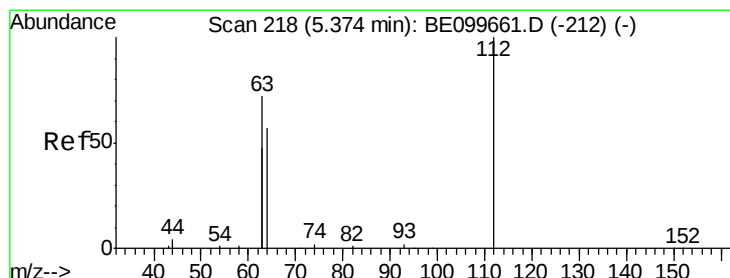
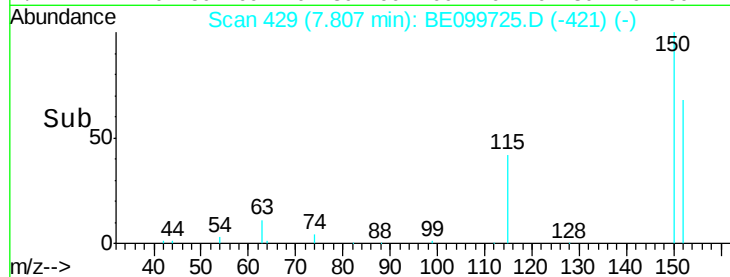
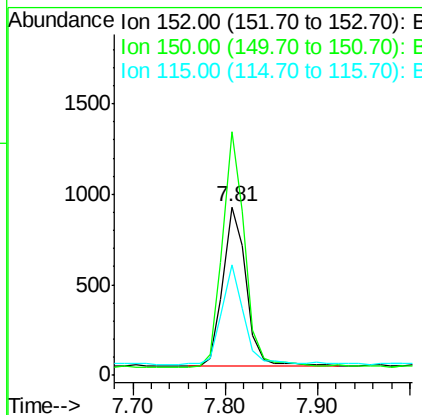
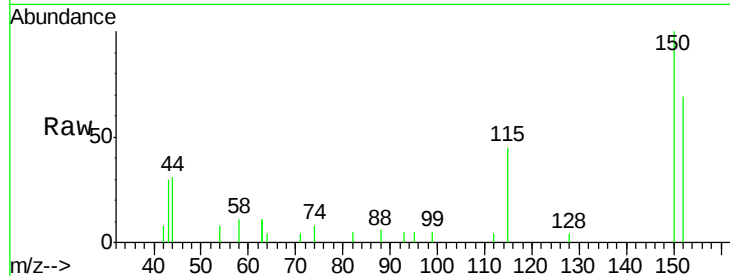
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Instrument :
BNA_E
ClientSampleId :
FESB-17(1.9-2.4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.4	109.2	163.8
115	65.3	43.7	65.5

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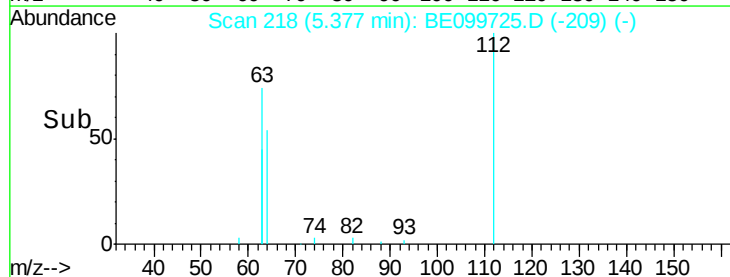
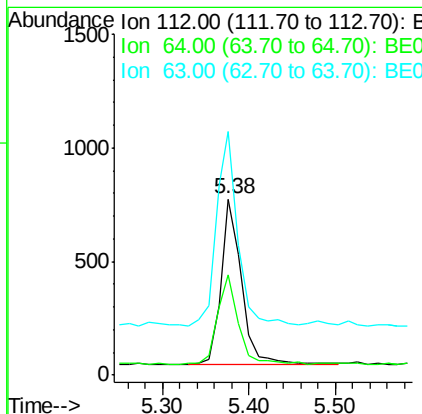
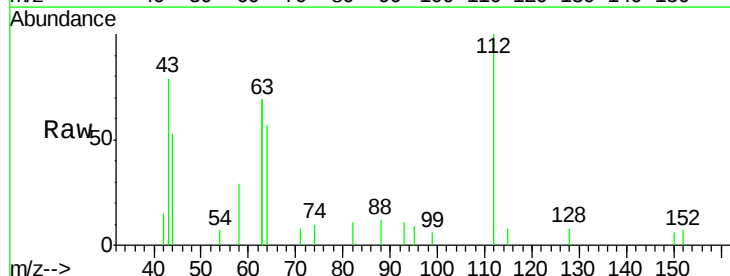
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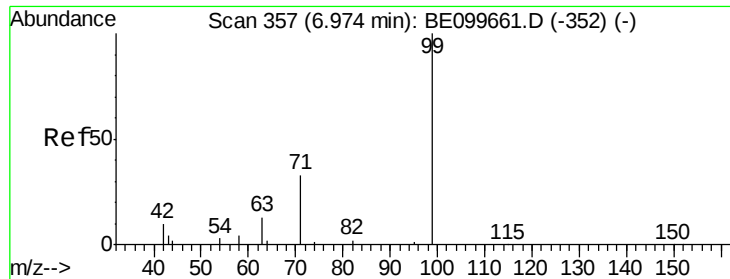


#4

2-Fluorophenol
Concen: 0.311 ng
RT: 5.38 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	43.4	65.2
63	120.0	96.9	145.3





#5

Phenol-d6

Concen: 0.342 ng

RT: 6.97 min Scan# 356

Delta R.T. -0.01 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Instrument :

BNA_E

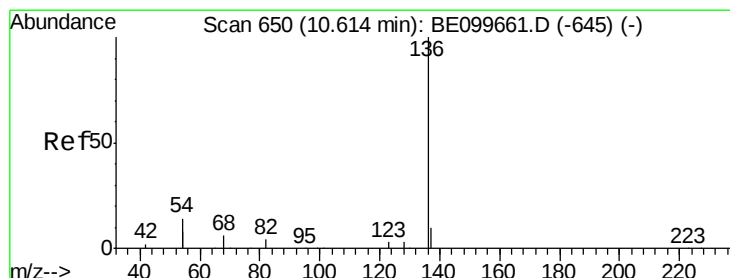
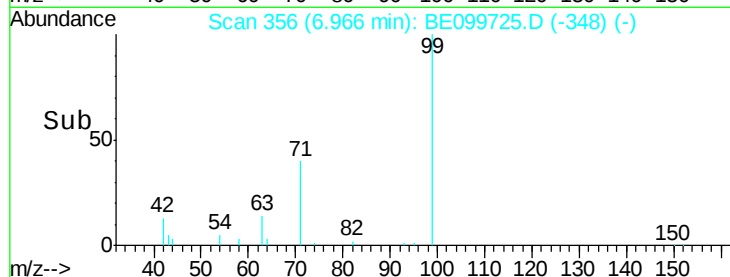
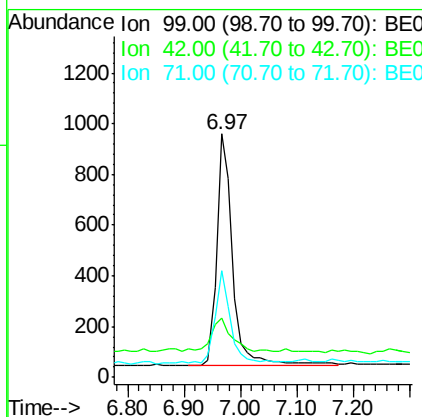
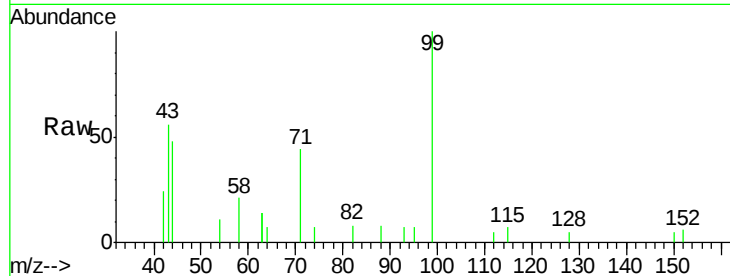
ClientSampleId :

FESB-17(1.9-2.4)

Tot Ion:	99	Resp:	1790
Ion	Ratio	Lower	Upper
99	100		
42	17.5	12.2	18.2
71	36.6	28.9	43.3

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#7

Naphthalene-d8

Concen: 0.400 ng

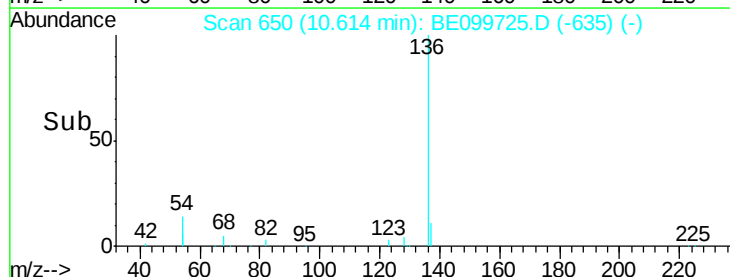
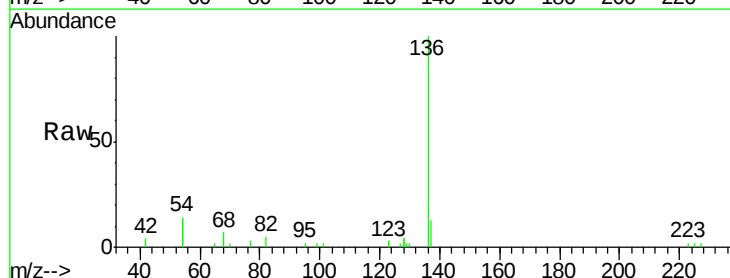
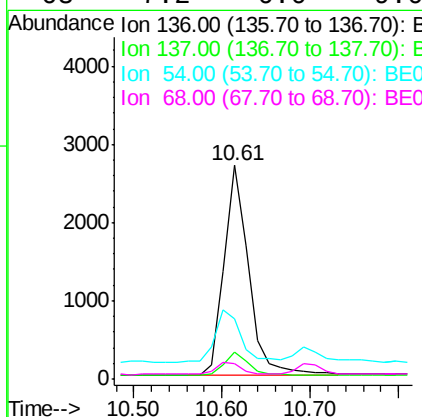
RT: 10.61 min Scan# 650

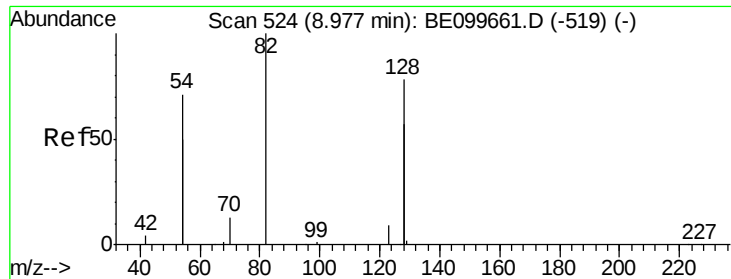
Delta R.T. 0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Tgt Ion:	136	Resp:	5223
Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.0	13.6
54	28.4	22.3	33.5
68	7.2	6.0	9.0





#8

Nitrobenzene-d5

Concen: 0.291 ng/ml

RT: 8.98 min Scan# 524

Delta R.T. 0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Instrument :

BNA_E

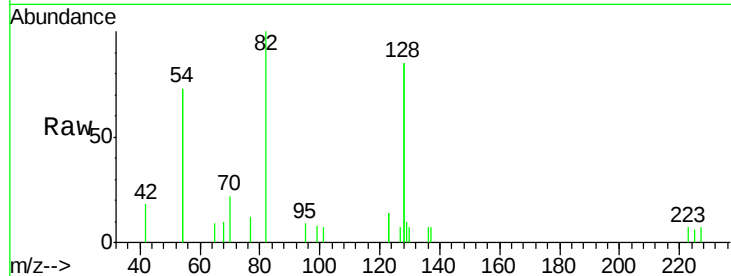
ClientSampleId :

FESB-17(1.9-2.4)

Tot Ion:	82	Resp:	1314
Ion Ratio	Lower	Upper	
82	100		
128	85.1	117.7	176.5#
54	73.5	106.6	160.0#

Manual Integrations
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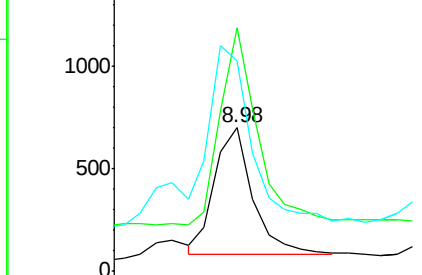
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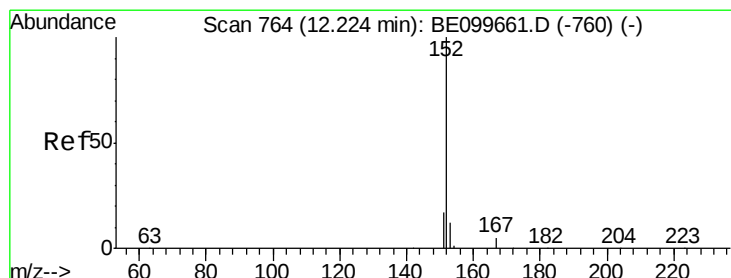
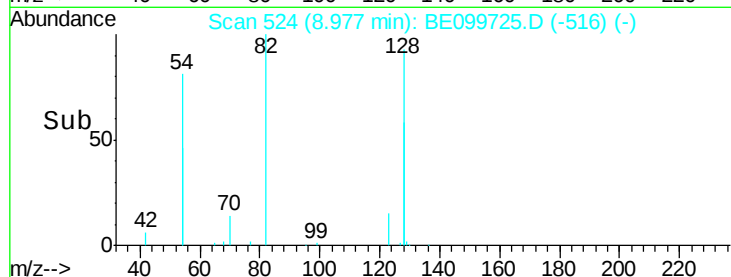
Abundance Ion 82.00 (81.70 to 82.70): BE099725.D (-516) (-)

Ion 128.00 (127.70 to 128.70): BE099725.D (-516) (-)

Ion 54.00 (53.70 to 54.70): BE099725.D (-516) (-)



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.285 ng/ml

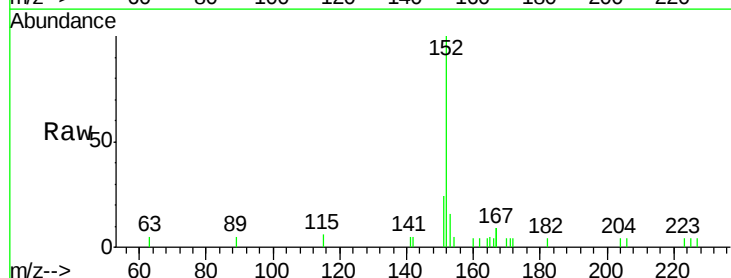
RT: 12.22 min Scan# 764

Delta R.T. 0.00 min

Lab File: BE099725.D

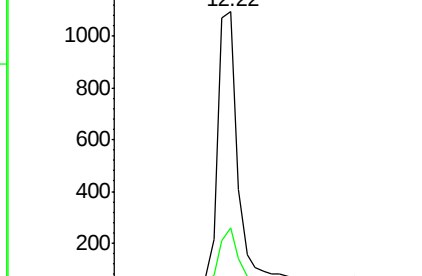
Acq: 22 May 2019 18:09

Tgt Ion:	152	Resp:	2569
Ion Ratio	Lower	Upper	
152	100		
151	17.8	15.0	22.4

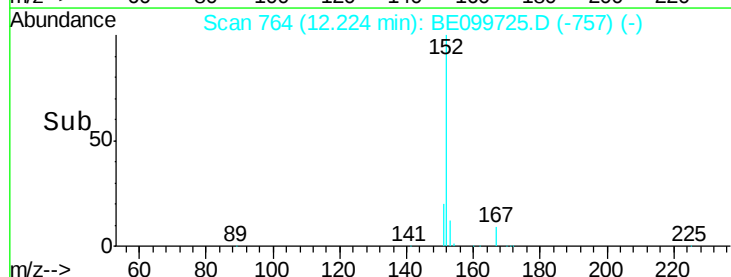


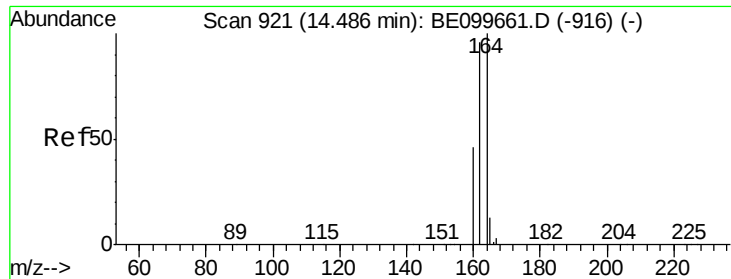
Abundance Ion 152.00 (151.70 to 152.70): BE099725.D (-757) (-)

Ion 151.00 (150.70 to 151.70): BE099725.D (-757) (-)



Time-->





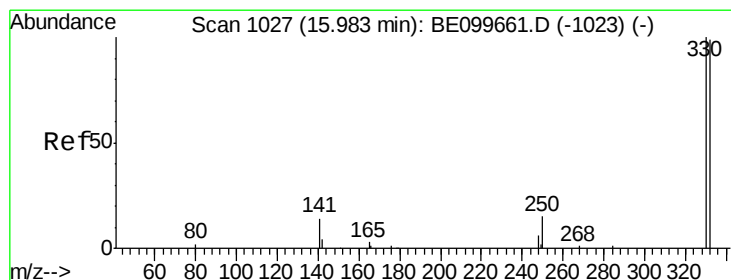
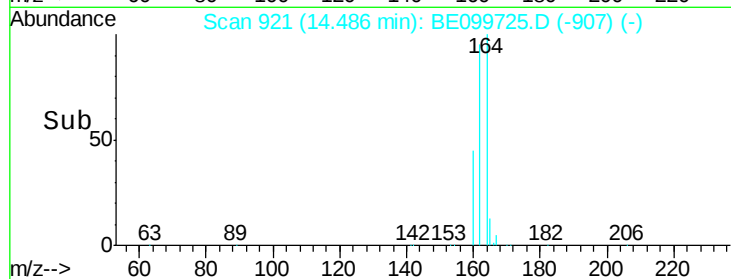
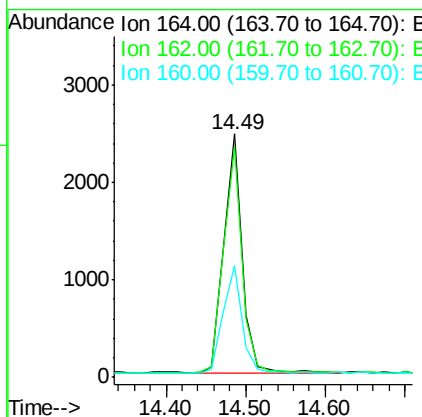
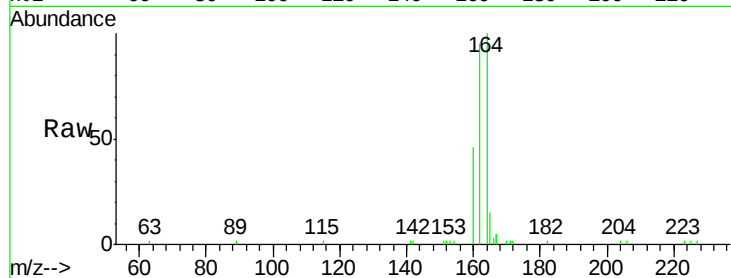
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Instrument :
BNA_E
ClientSampleId :
FESB-17(1.9-2.4)

Tot Ion:164 Resp: 3875
Ion Ratio Lower Upper
164 100
162 94.8 76.5 114.7
160 46.1 37.4 56.2

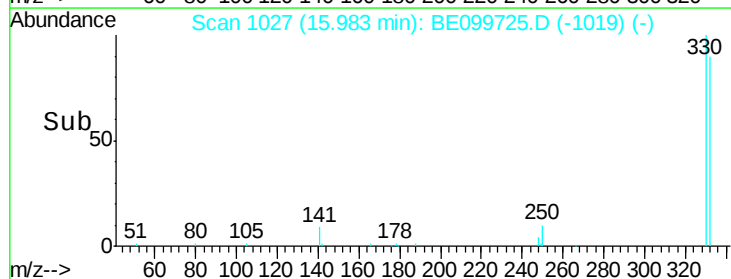
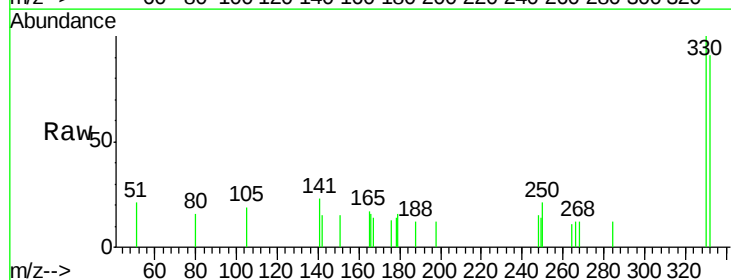
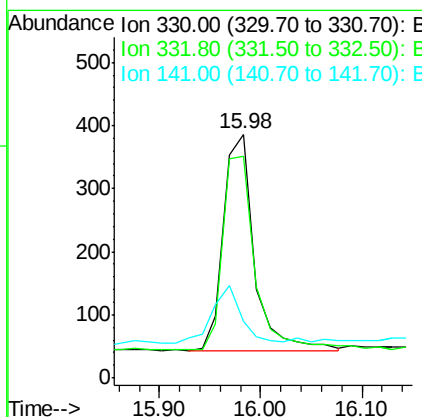
Manual Integrations
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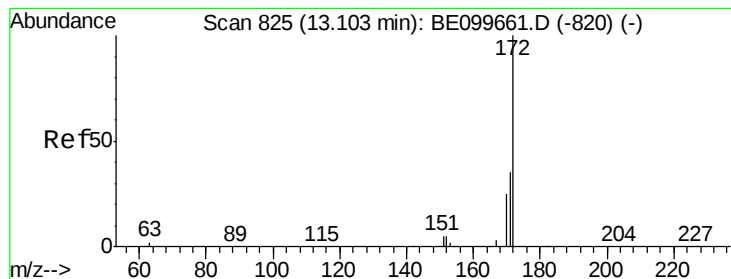
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#14
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Tgt Ion:330 Resp: 725
Ion Ratio Lower Upper
330 100
332 94.9 77.3 115.9
141 24.3 18.9 28.3





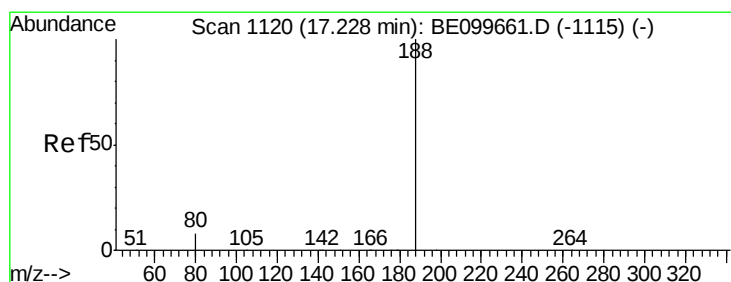
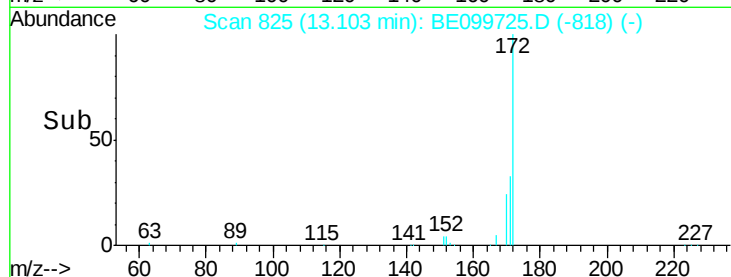
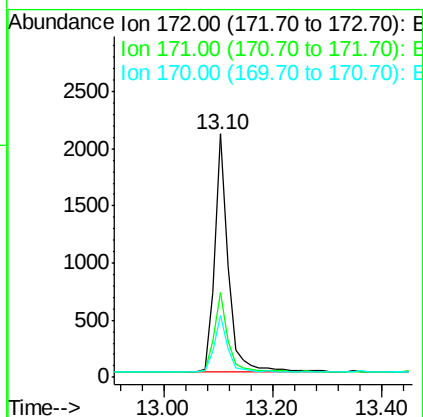
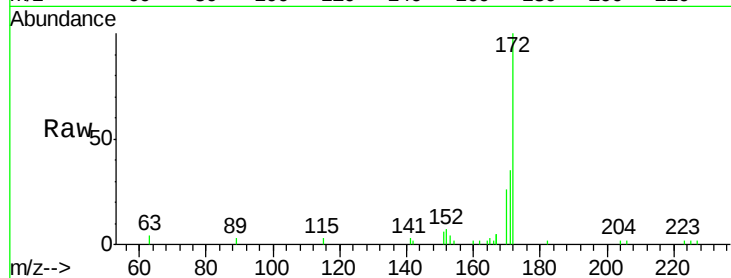
#15
2-Fluorobiphenyl
Concen: 0.253 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Instrument :
BNA_E
ClientSampleId :
FESB-17(1.9-2.4)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.7	43.1
170	25.6	20.9	31.3

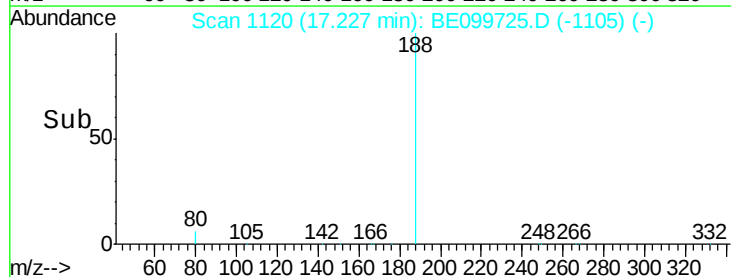
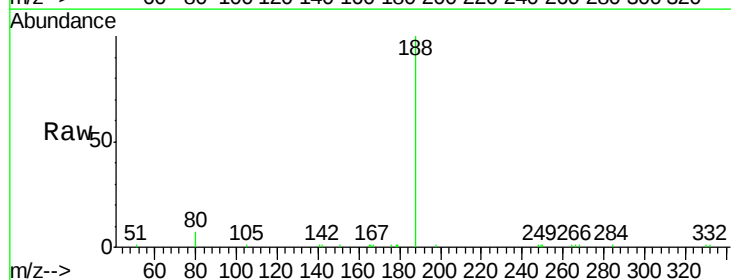
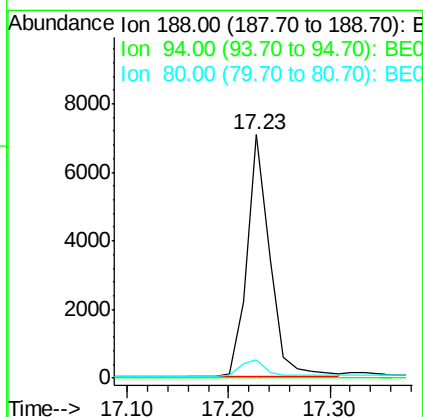
Manual Integrations
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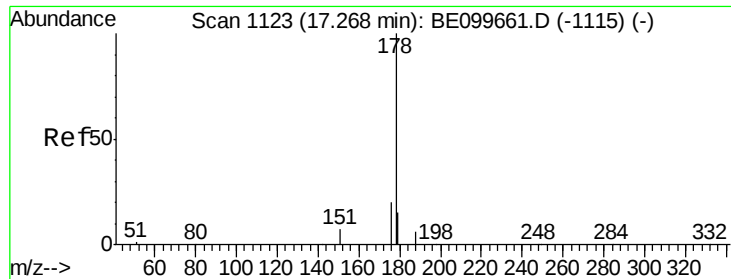
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	6.7	10.1





#23

Phenanthrene

Concen: 0.028 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Instrument :

BNA_E

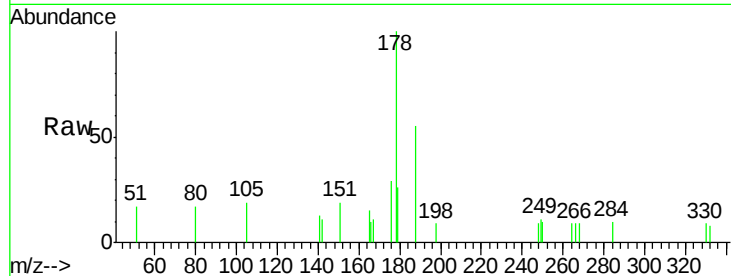
ClientSampleId :

FESB-17(1.9-2.4)

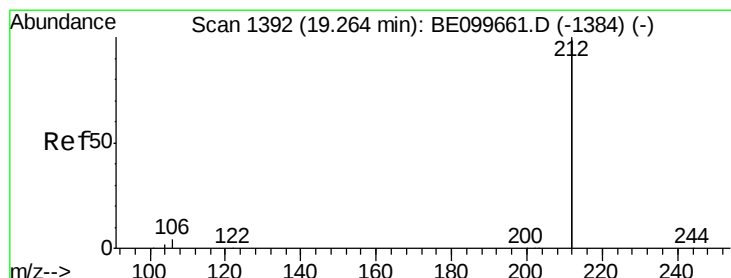
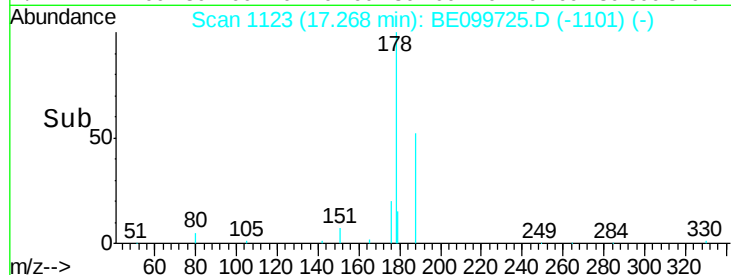
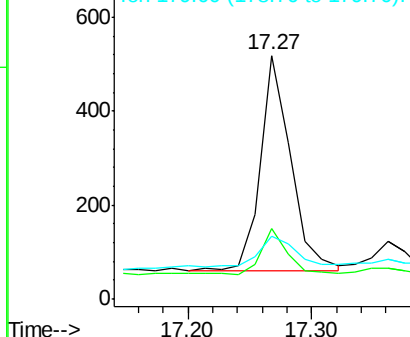
Tot Ion:	178	Resp:	772
Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.6	23.4
179	25.0	12.2	18.4

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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



#25

Fluoranthene-d10

Concen: 0.235 ng

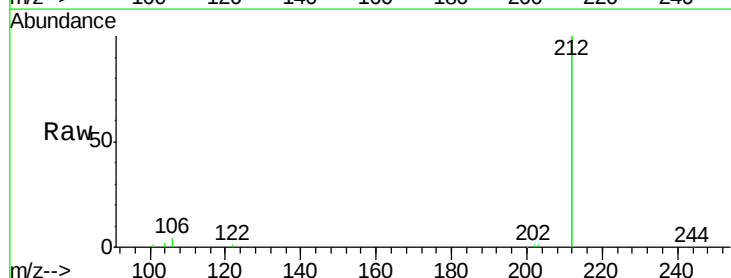
RT: 19.26 min Scan# 1392

Delta R.T. 0.00 min

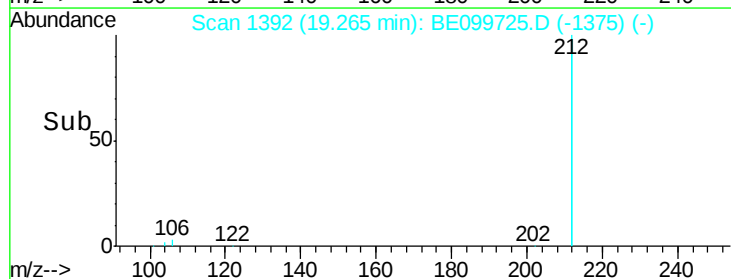
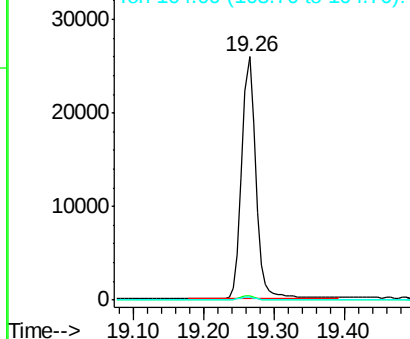
Lab File: BE099725.D

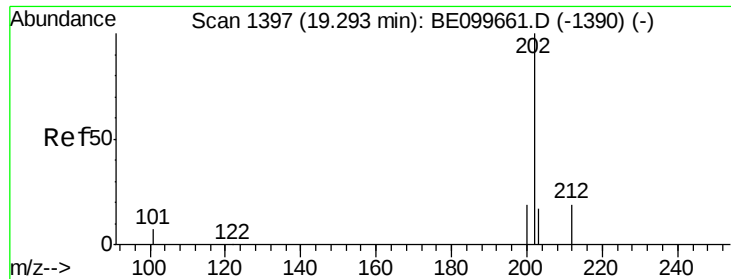
Acq: 22 May 2019 18:09

Tgt Ion:	212	Resp:	35663
Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.1	0.8	1.2



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E





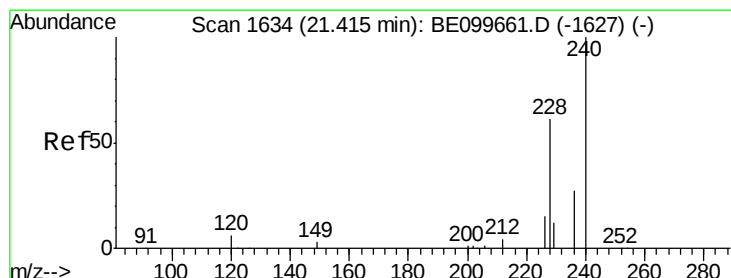
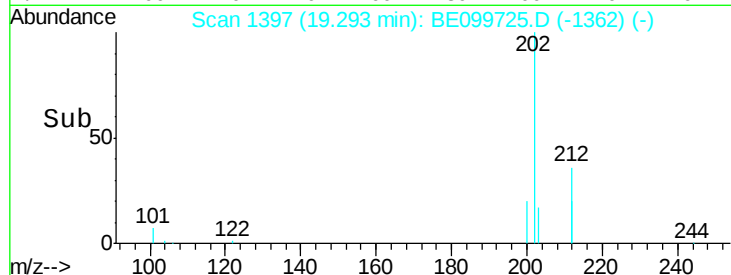
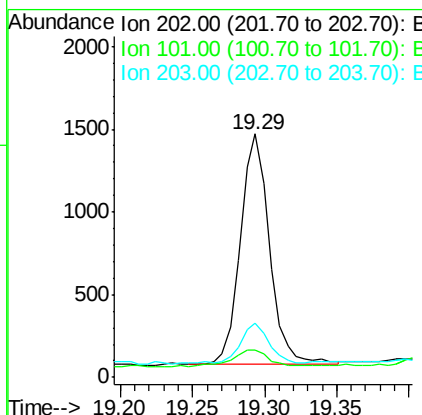
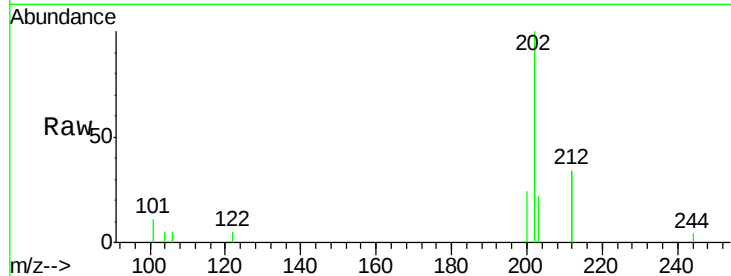
#26
Fluoranthene
 Concen: 0.046 ng
 RT: 19.29 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: BE099725.D
 Acq: 22 May 2019 18:09

Instrument :
 BNA_E
 ClientSampleId :
 FESB-17(1.9-2.4)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1969		
101	9.3		5.2	7.8#
203	18.2		13.8	20.6

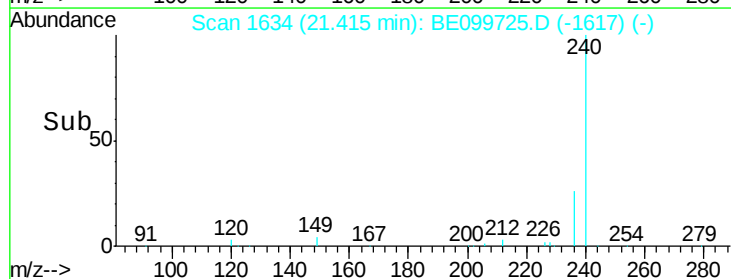
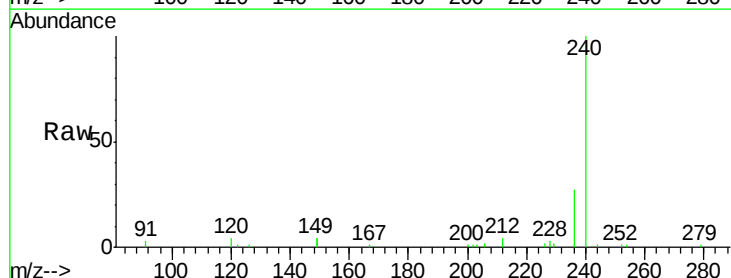
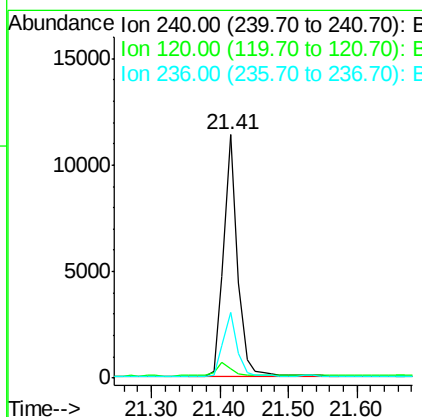
Manual Integrations
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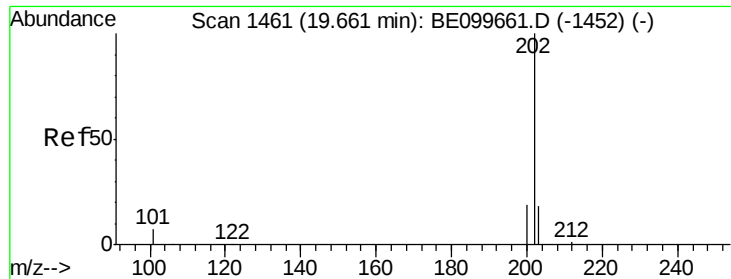
mohammad
 5/24/2019 8:48:43 AM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: BE099725.D
 Acq: 22 May 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	16122		
120	4.1		5.4	8.0#
236	26.9		21.7	32.5





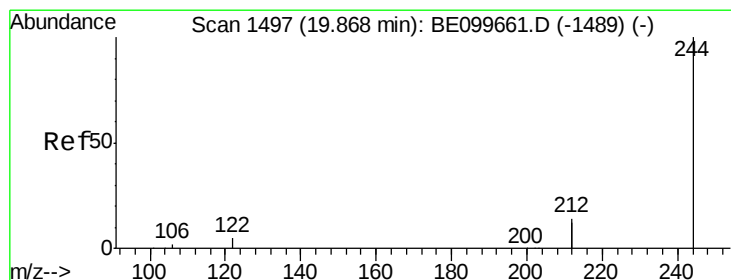
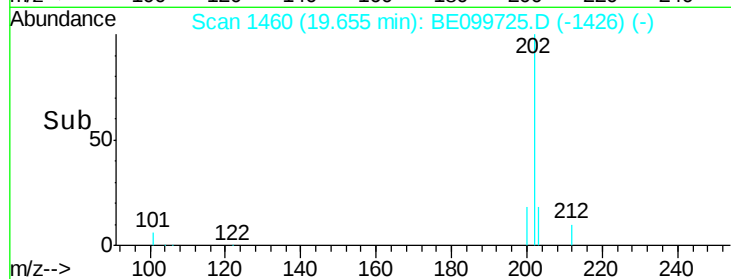
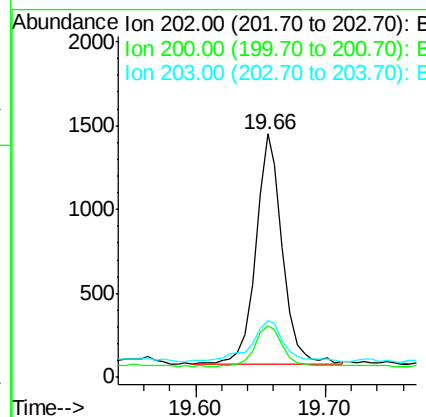
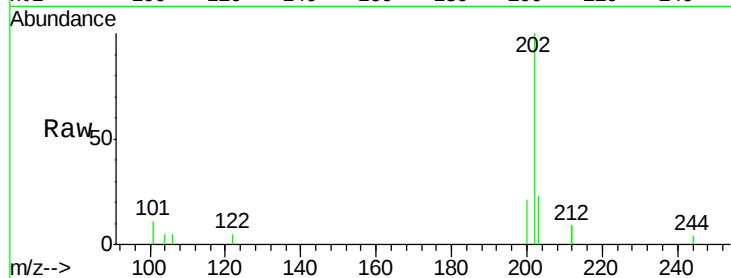
#28
Pvrene
Concen: 0.048 ng
RT: 19.66 min Scan# 1460
Delta R.T. -0.01 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Instrument :
BNA_E
ClientSampleId :
FESB-17(1.9-2.4)

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.4	23.2
203	23.0	13.8	20.8

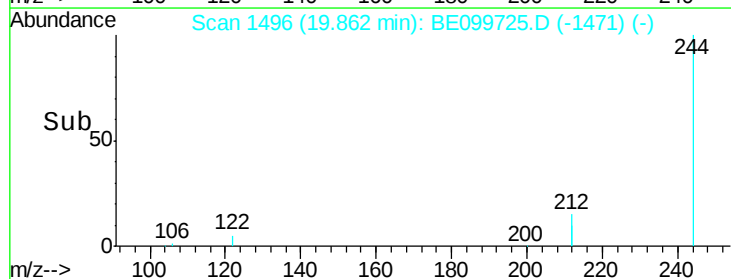
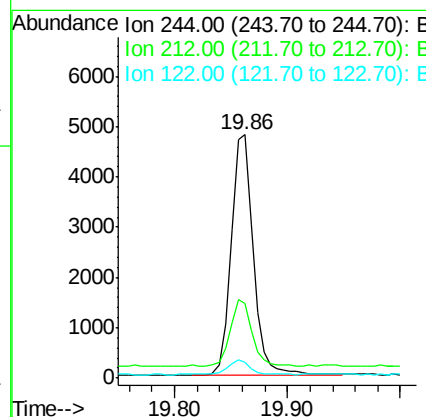
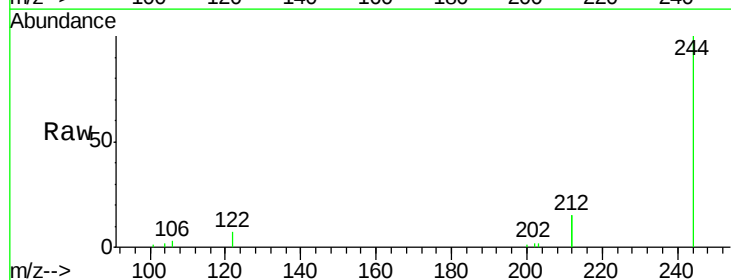
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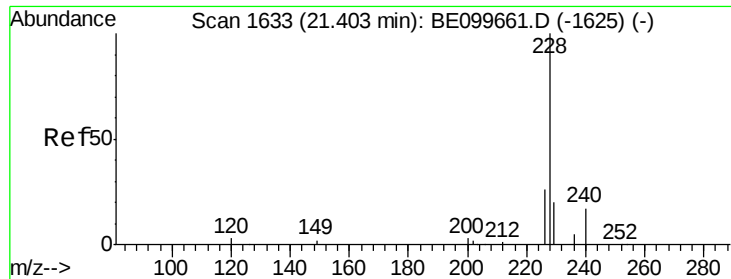
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#29
Terphenyl-d14
Concen: 0.230 ng
RT: 19.86 min Scan# 1496
Delta R.T. -0.01 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	30.6	22.5	33.7
122	6.6	4.3	6.5





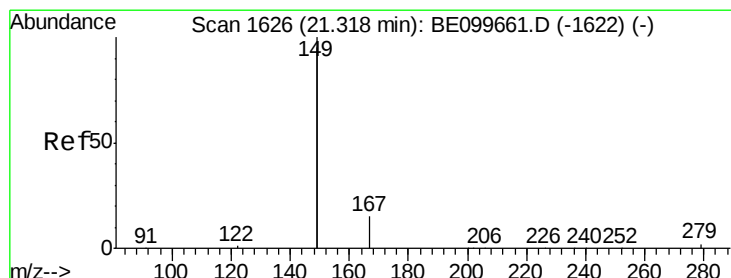
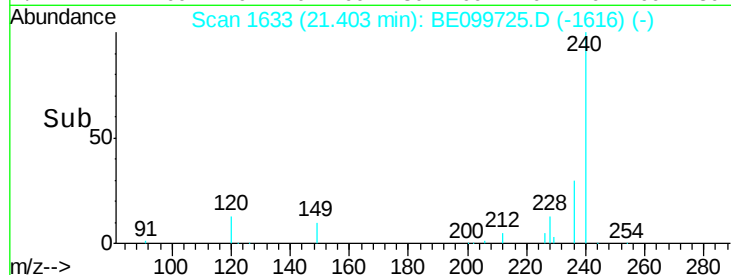
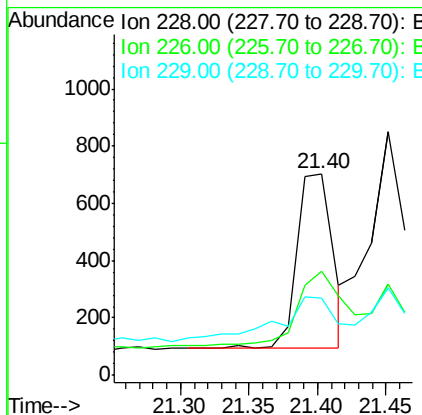
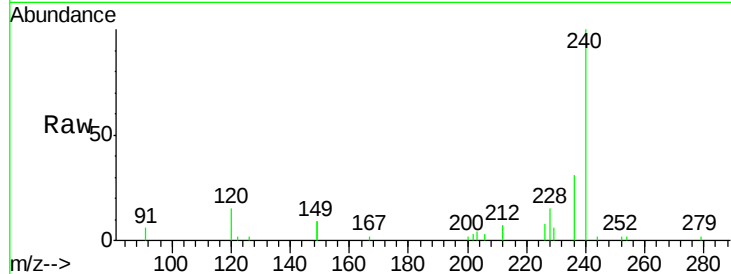
#30
Benzo(a)anthracene
Concen: 0.024 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Instrument :
BNA_E
ClientSampleId :
FESB-17(1.9-2.4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	51.5	21.3	31.9#
229	38.0	16.1	24.1#

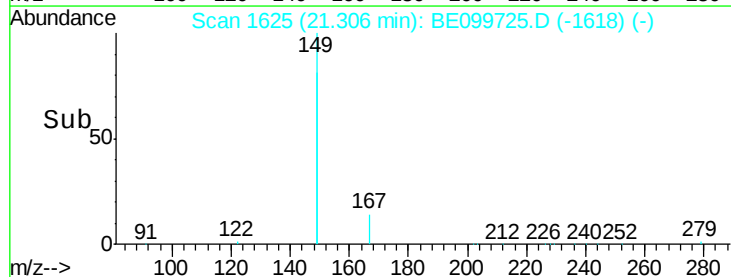
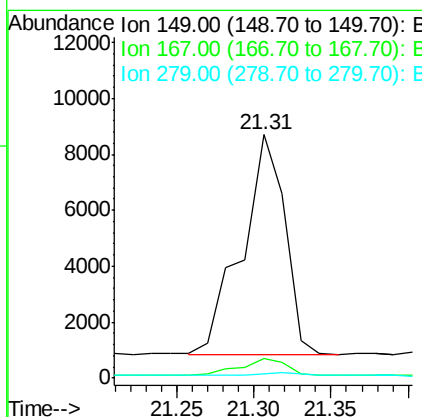
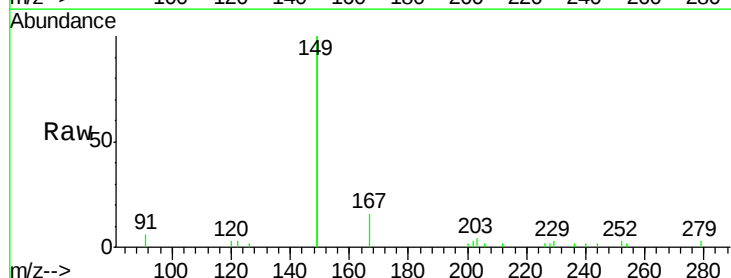
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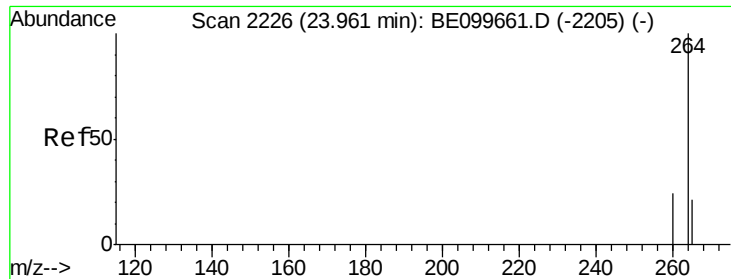
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.289 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
149	100		
167	7.8	6.2	9.4
279	1.7	1.2	1.8





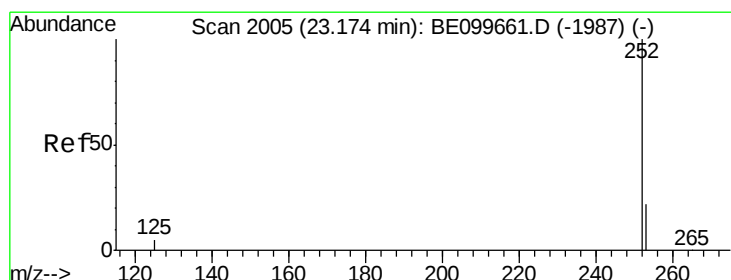
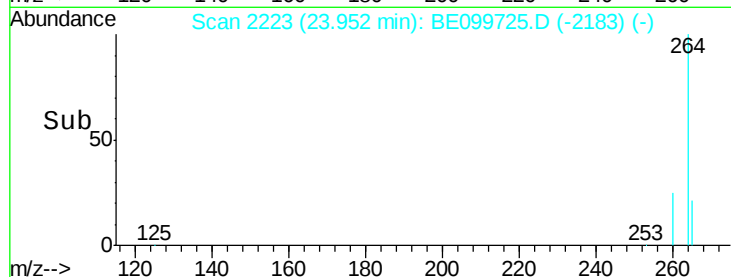
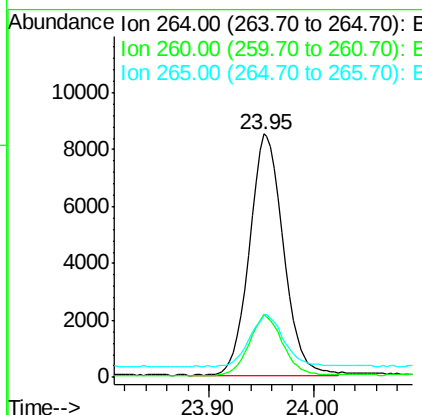
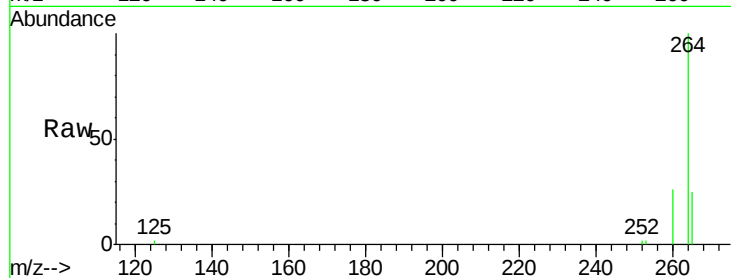
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.95 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Instrument :
BNA_E
ClientSampleId :
FESB-17(1.9-2.4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.6	29.4
265	25.5	19.1	28.7

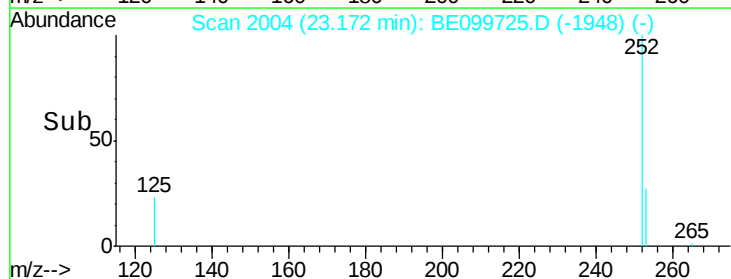
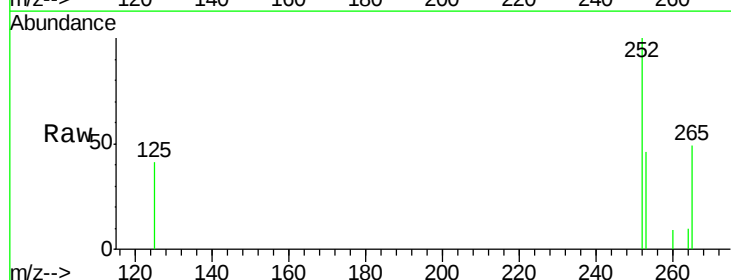
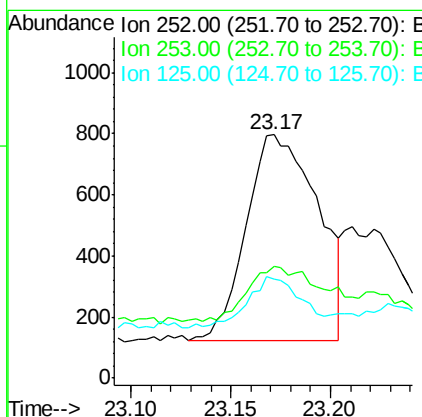
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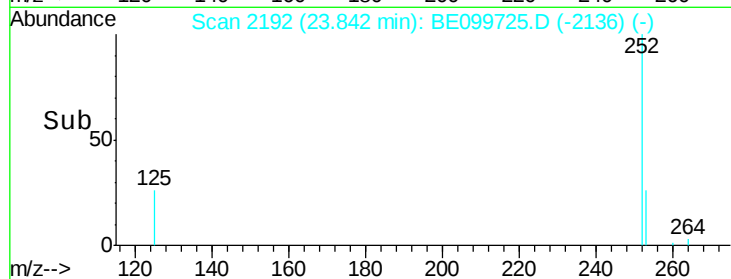
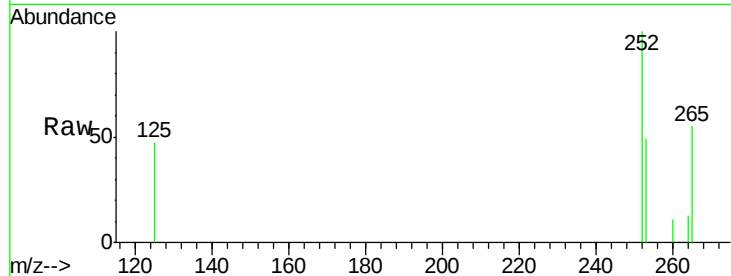
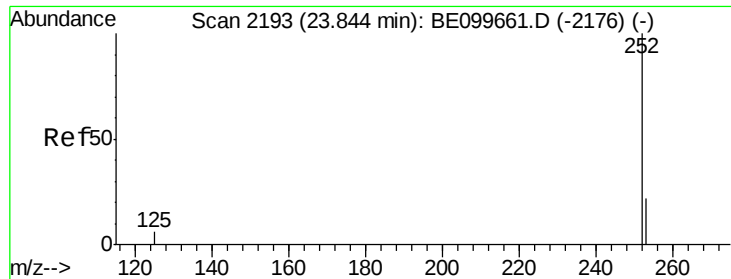
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#35
Benzo(b)fluoranthene
Concen: 0.032 ng
RT: 23.17 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BE099725.D
Acq: 22 May 2019 18:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	45.8	18.2	27.4#
125	40.9	4.5	6.7#





#37

Benzo(a)pyrene

Concen: 0.024 ng

RT: 23.84 min Scan# 2192

Delta R.T. -0.00 min

Lab File: BE099725.D

Acq: 22 May 2019 18:09

Instrument :

BNA_E

ClientSampleId :

FESB-17(1.9-2.4)

Tot Ion:	252	Resp:	1229
Ion Ratio	Lower	Upper	
252	100		
253	48.7	18.9	28.3#
125	47.0	5.4	8.0#

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