

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
 Data File : BE093302.D
 Acq On : 21 Jun 2017 3:46
 Operator : SJ/JU
 Sample : I3599-08DL 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5D42DL

Manual Integrations
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mohammad
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Quant Time: Jun 21 04:36:31 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 21 03:23:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1888	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	10100	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	6009	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	14847	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	15578	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	12741	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	739	0.05	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	1931	0.05	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.56	128	8071	0.322	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	2127	0.124	ng/ul	99
7) Acenaphthylene	14.09	152	14806	0.574	ng/ul	96
8) Acenaphthene	14.42	153	3522	0.169	ng/ul	96
9) Fluorene	15.42	166	2481	0.102	ng/ul	93
12) Phenanthrene	17.14	178	49088	1.202	ng/ul#	89
13) Anthracene	17.22	178	38998	1.096	ng/ul#	90
15) Fluoranthene	19.15	202	391763	7.820	ng/ul	83
17) Pyrene	19.51	202	373744	8.135	ng/ul#	86
18) Benzo(a)anthracene	21.24	228	199239	4.795	ng/ul#	84
19) Chrysene	21.29	228	209218	4.854	ng/ul	98
21) Benzo(b)fluoranthene	22.93	252	235823m	6.099	ng/ul	
22) Benzo(k)fluoranthene	22.97	252	85151m	2.074	ng/ul	
23) Benzo(a)pyrene	23.56	252	101559	2.778	ng/ul#	81
24) Indeno(1,2,3-cd)pyrene	26.18	276	60077	1.419	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.19	278	19127	0.537	ng/ul	90
26) Benzo(g,h,i)perylene	26.96	276	42421	1.169	ng/ul	96

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

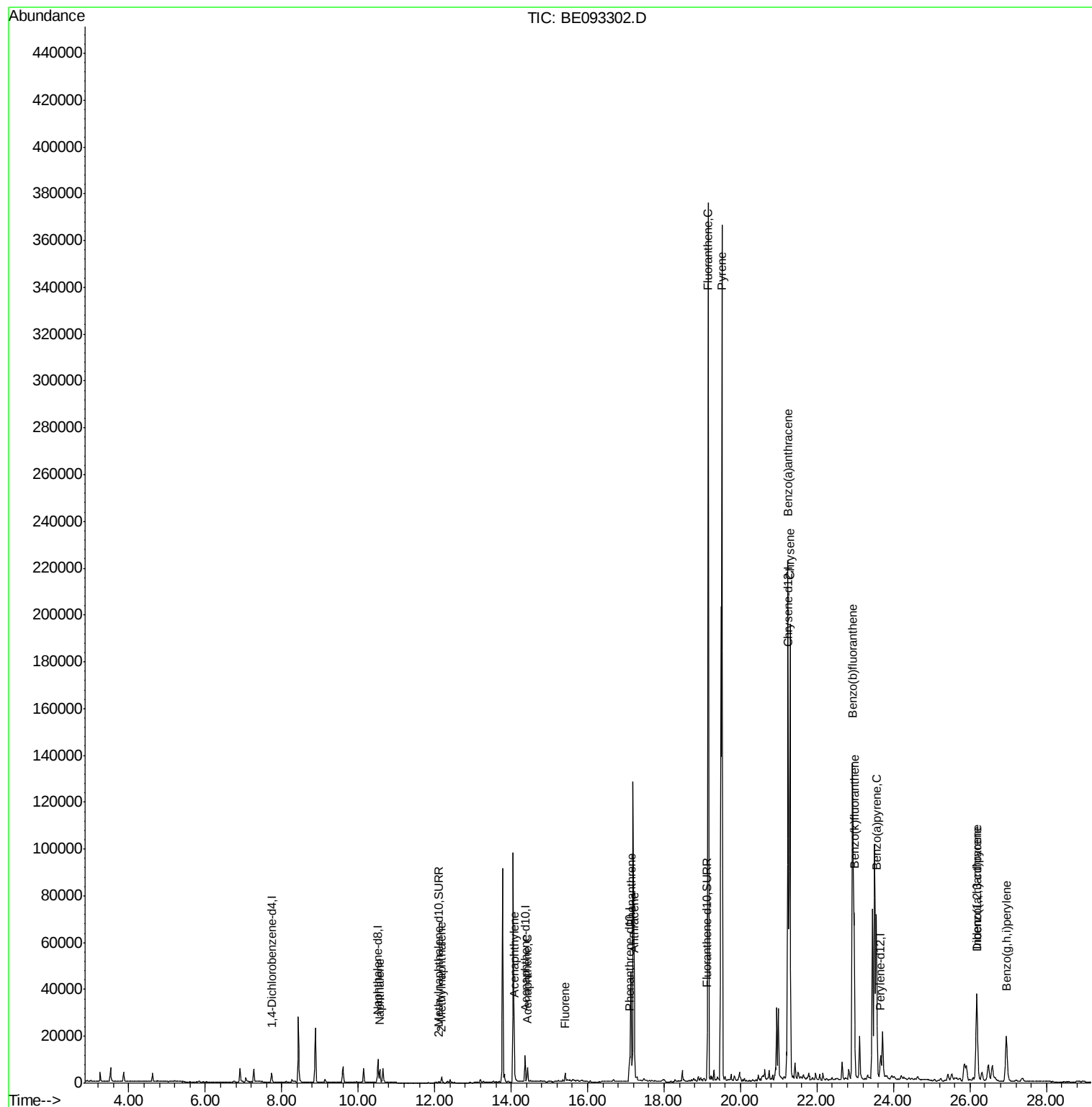
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
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Instrument :
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Quant Time: Jun 21 04:36:31 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
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QLast Update : Wed Jun 21 03:23:49 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.322 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Instrument :

BNA_E

ClientSampleId :

F5D42DL

Tgt Ion:128 Resp: 8071

Ion Ratio Lower Upper

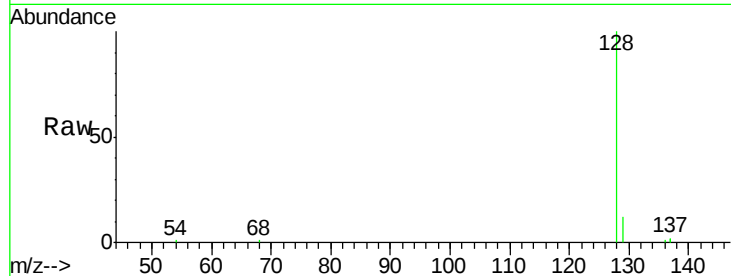
128 100

129 11.8 11.3 16.9

127 0.0 4.0 6.0#

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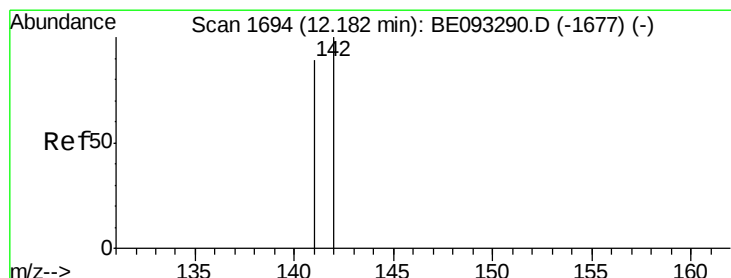
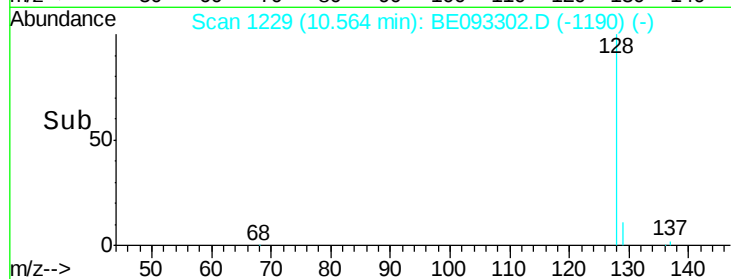
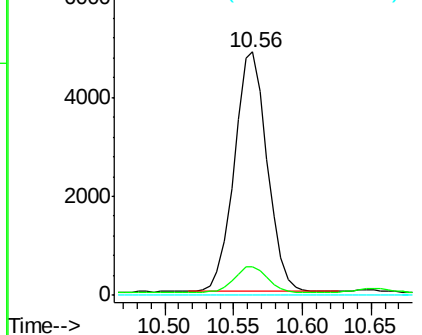
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.124 ng/ul

RT: 12.18 min Scan# 1694

Delta R.T. -0.00 min

Lab File: BE093302.D

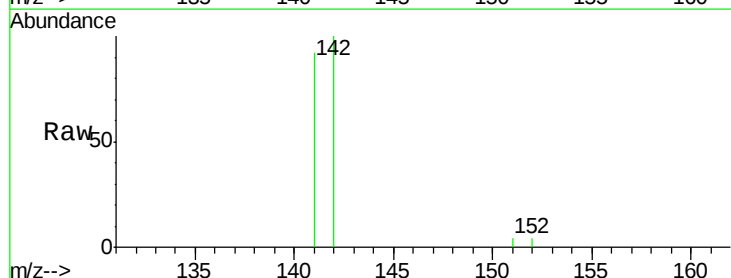
Acq: 21 Jun 2017 3:46

Tgt Ion:142 Resp: 2127

Ion Ratio Lower Upper

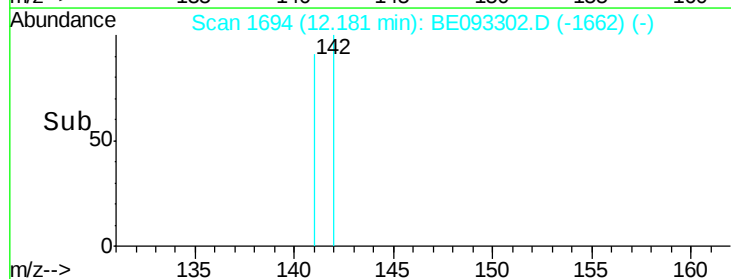
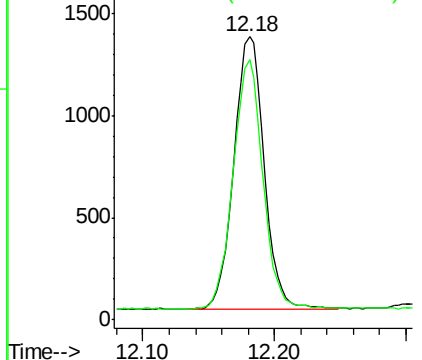
142 100

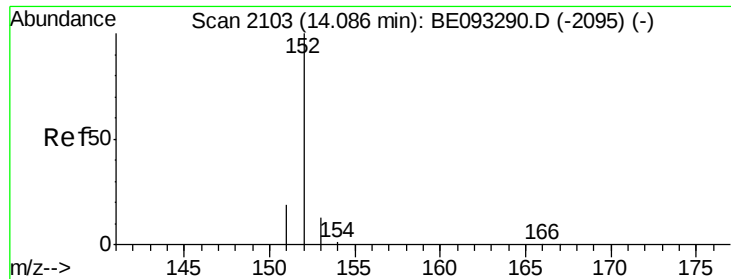
141 89.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.574 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Instrument :

BNA_E

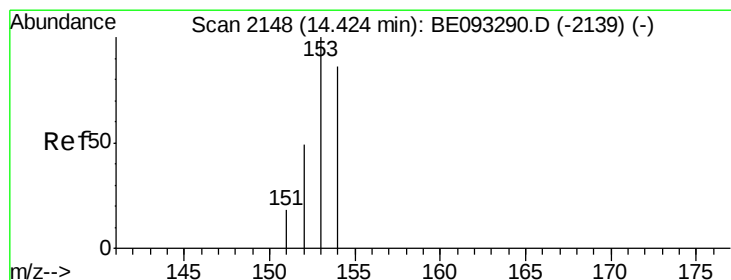
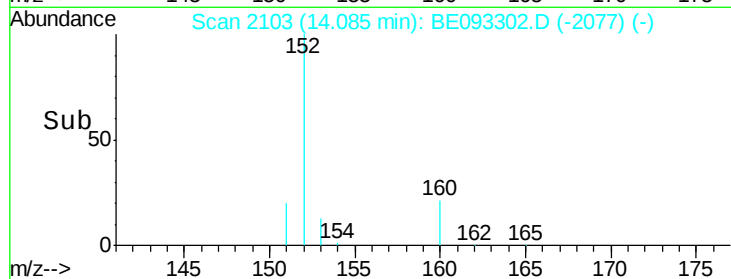
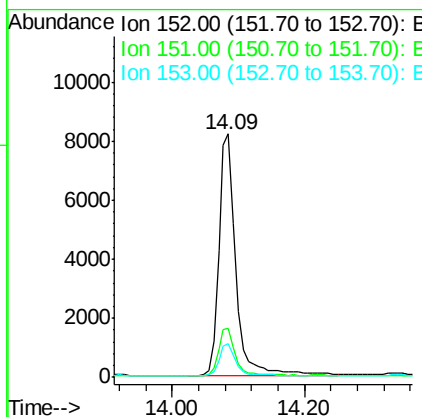
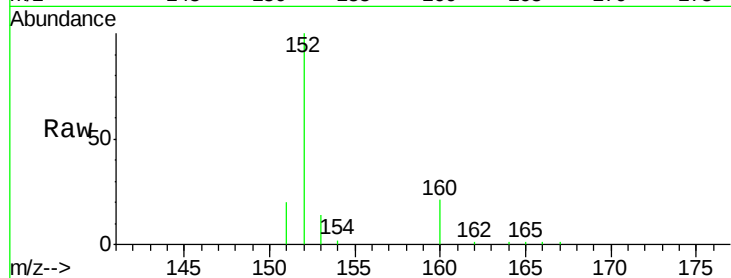
ClientSampleId :

F5D42DL

Tgt Ion:	152	Resp:	14806
Ion Ratio	Lower	Upper	
152	100		
151	20.1	17.1	25.7
153	13.8	12.8	19.2

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#8

Acenaphthene

Concen: 0.169 ng/ul

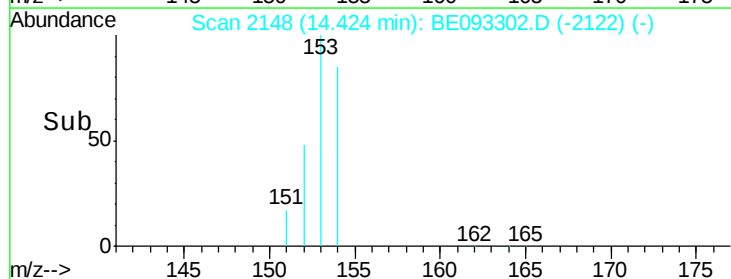
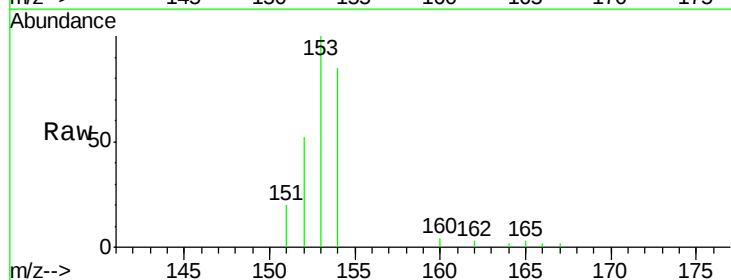
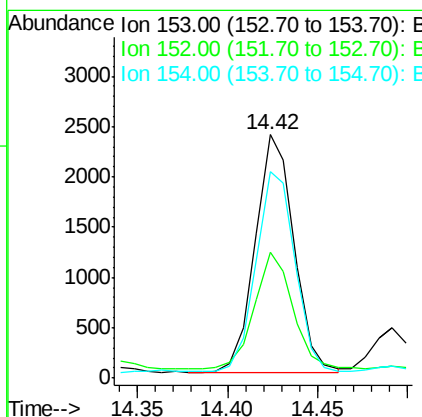
RT: 14.42 min Scan# 2148

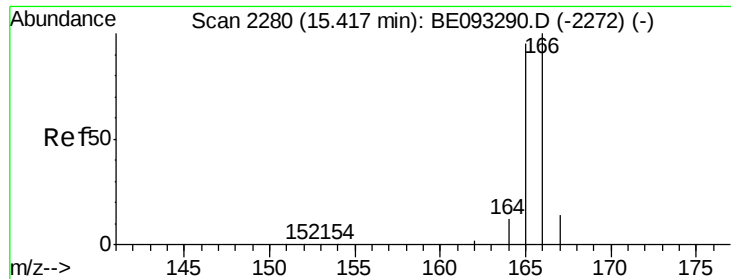
Delta R.T. -0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Tgt Ion:	153	Resp:	3522
Ion Ratio	Lower	Upper	
153	100		
152	51.5	40.3	60.5
154	84.7	71.4	107.2





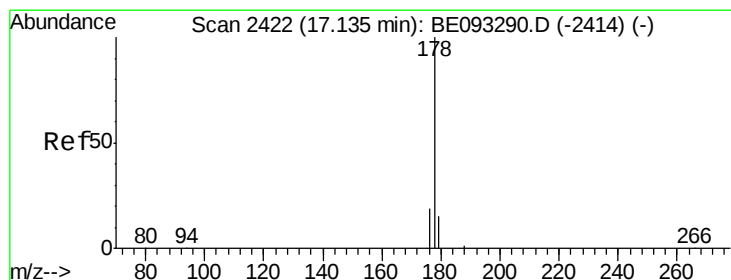
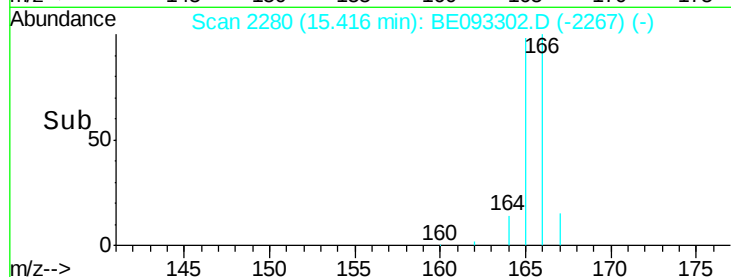
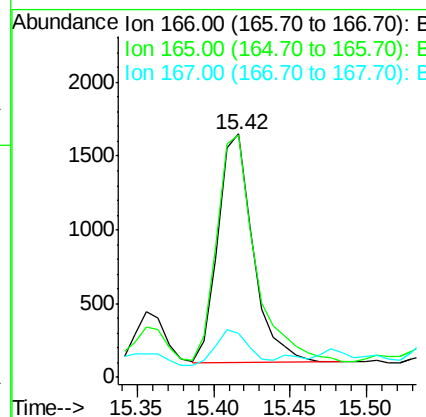
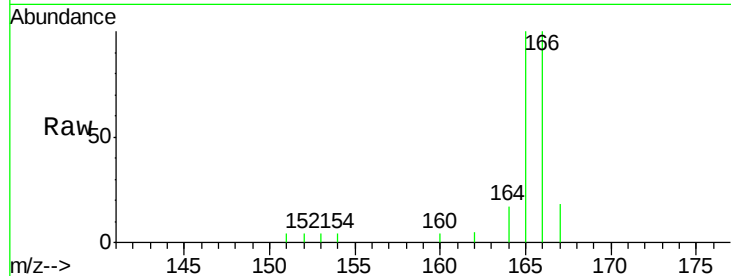
#9
Fluorene
 Concen: 0.102 ng/ul
 RT: 15.42 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BE093302.D
 Acq: 21 Jun 2017 3:46

Instrument :
 BNA_E
 ClientSampleId :
 F5D42DL

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	73.4	110.2
167	18.1	14.6	22.0

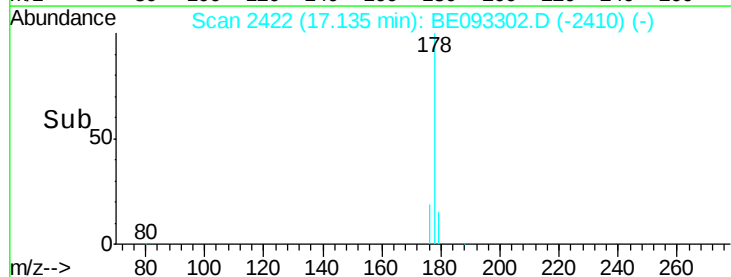
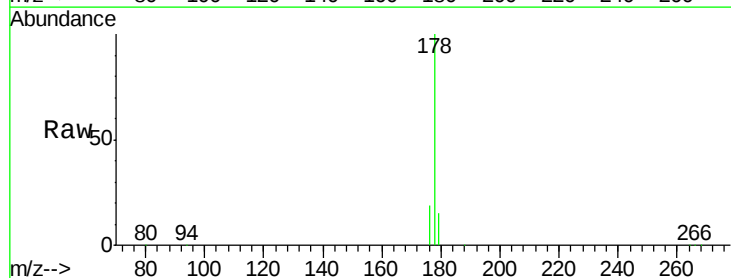
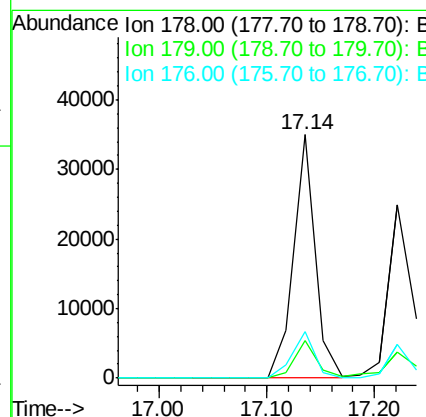
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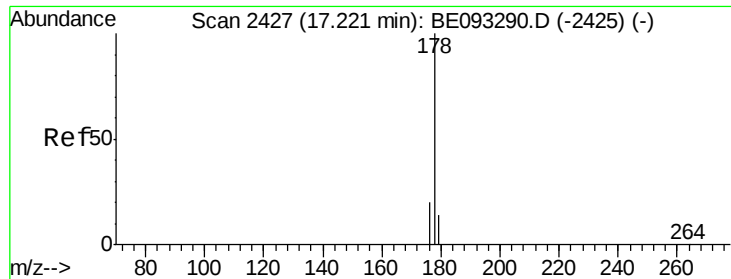
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#12
Phenanthrene
 Concen: 1.202 ng/ul
 RT: 17.14 min Scan# 2422
 Delta R.T. 0.00 min
 Lab File: BE093302.D
 Acq: 21 Jun 2017 3:46

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	18.4	27.6#
176	19.0	13.6	20.4





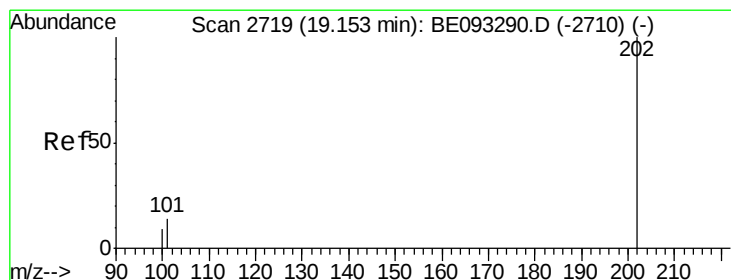
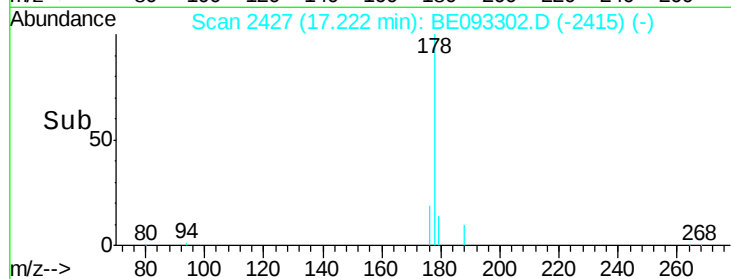
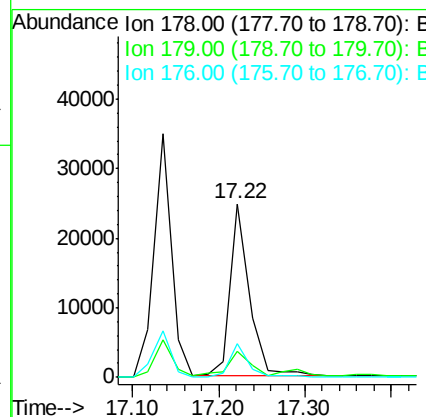
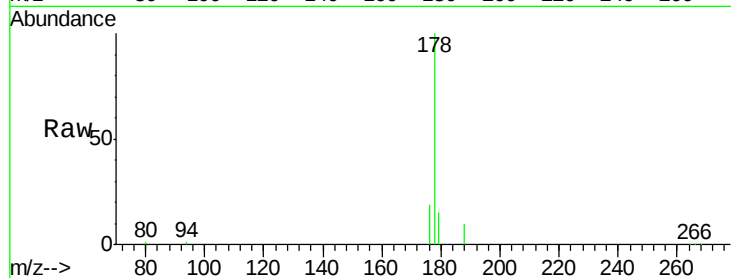
#13
 Anthracene
 Concen: 1.096 ng/ul
 RT: 17.22 min Scan# 2427
 Delta R.T. 0.00 min
 Lab File: BE093302.D
 Acq: 21 Jun 2017 3:46

Instrument :
 BNA_E
 ClientSampleId :
 F5D42DL

Tgt Ion	Ratio	Lower	Upper
178	100		
179	14.6	18.1	27.1#
176	19.2	14.7	22.1

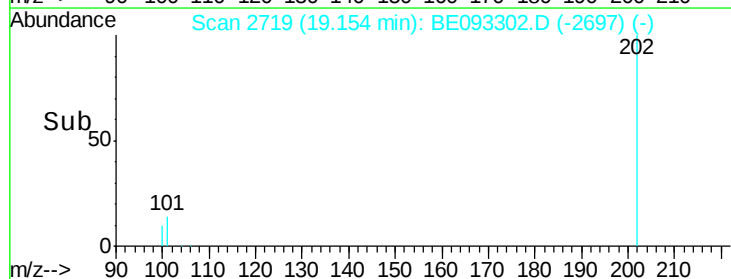
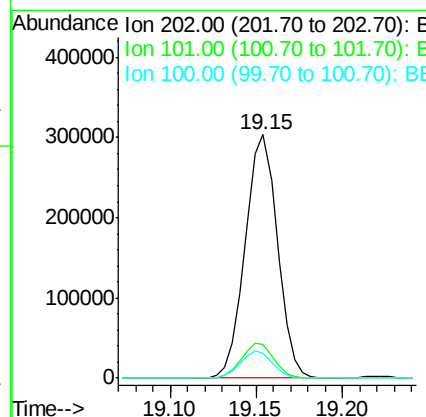
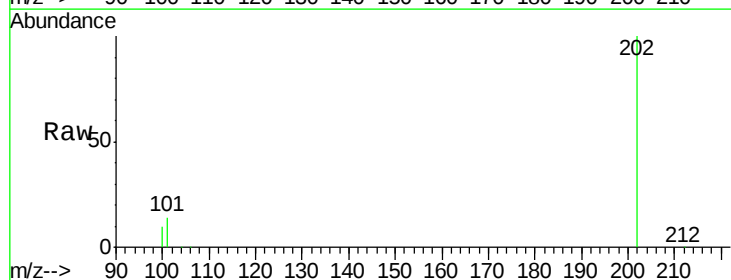
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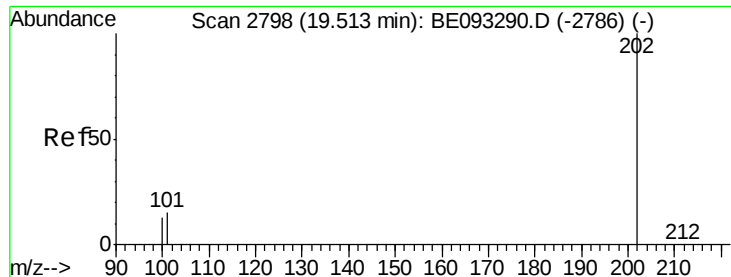
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#15
 Fluoranthene
 Concen: 7.820 ng/ul
 RT: 19.15 min Scan# 2719
 Delta R.T. 0.00 min
 Lab File: BE093302.D
 Acq: 21 Jun 2017 3:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	30.3
100	10.0	0.0	39.5





#17

Pyrene

Concen: 8.135 ng/ul

RT: 19.51 min Scan# 2798

Delta R.T. 0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Instrument :

BNA_E

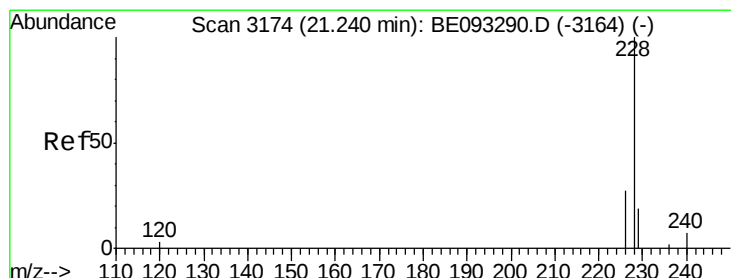
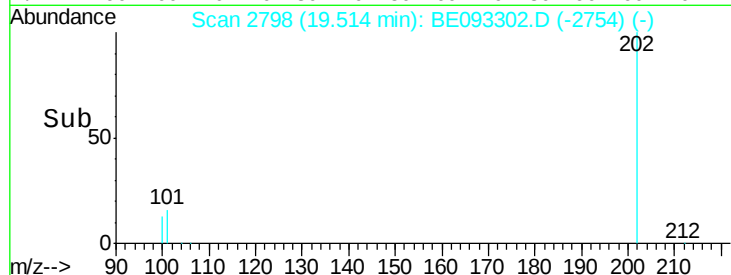
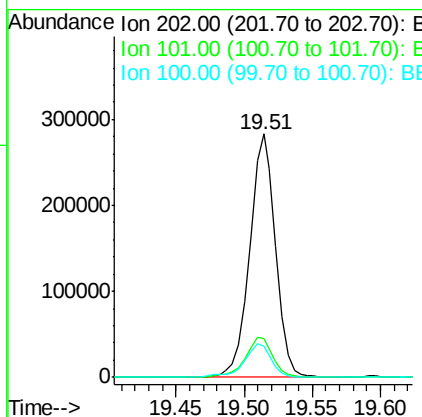
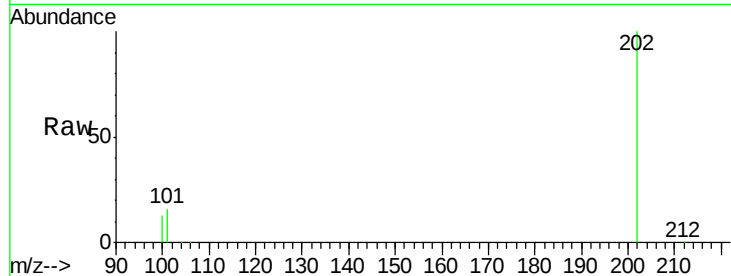
ClientSampleId :

F5D42DL

Tgt	Ion	202	Resp	373744
Ion	Ratio	Lower	Upper	
202	100			
101	15.8	18.2	27.4#	
100	12.9	15.6	23.4#	

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#18

Benzo(a)anthracene

Concen: 4.795 ng/ul

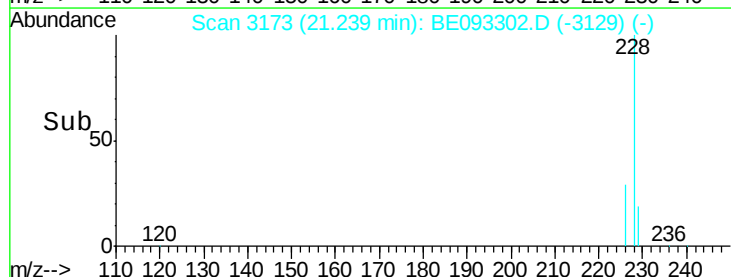
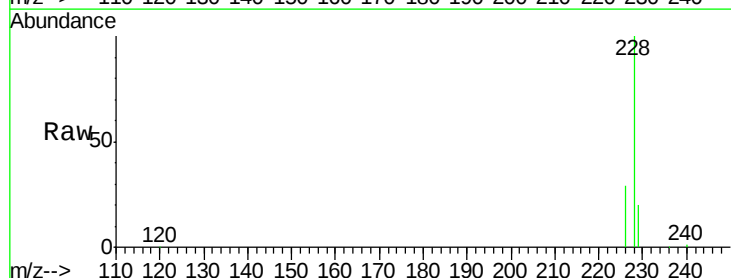
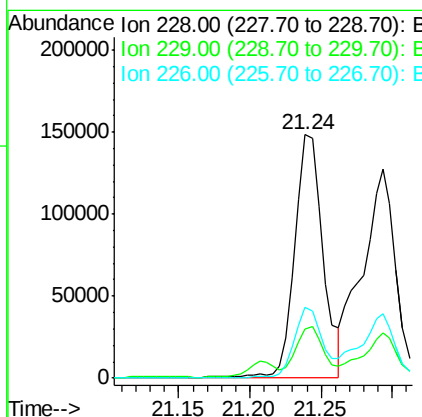
RT: 21.24 min Scan# 3173

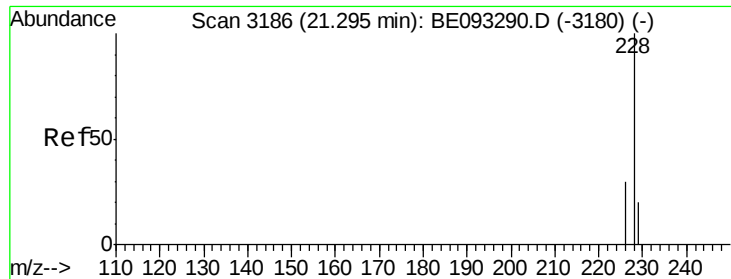
Delta R.T. -0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Tgt	Ion	228	Resp	199239
Ion	Ratio	Lower	Upper	
228	100			
229	20.1	22.8	34.2#	
226	28.9	17.0	25.6#	





#19

Chrysene

Concen: 4.854 ng/ul

RT: 21.29 min Scan# 3185

Delta R.T. -0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Instrument :

BNA_E

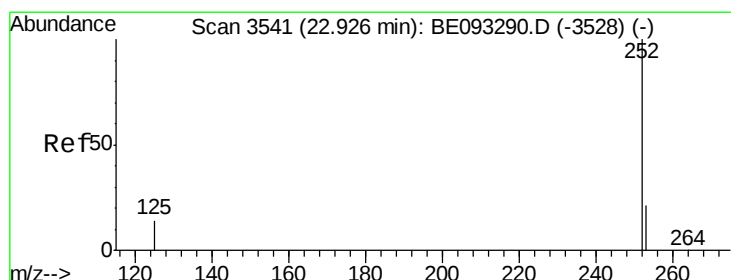
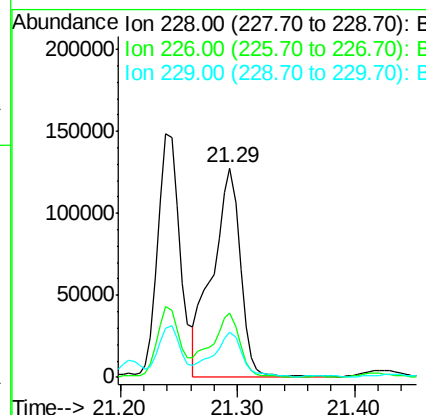
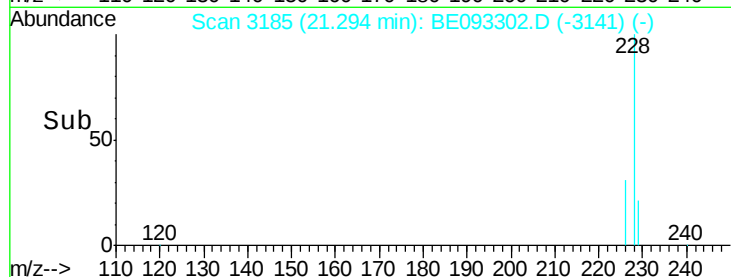
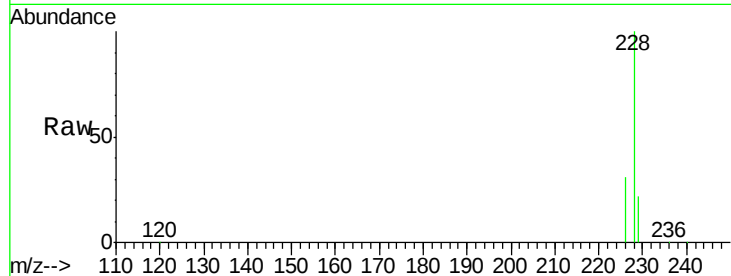
ClientSampleId :

F5D42DL

Tgt Ion:	228	Resp:	209218
Ion Ratio		Lower	Upper
228	100		
226	30.9	23.4	35.0
229	21.8	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 6.099 ng/ul m

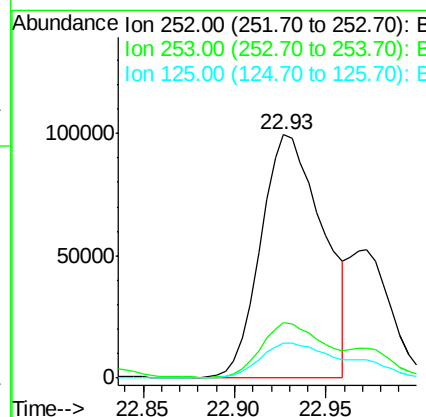
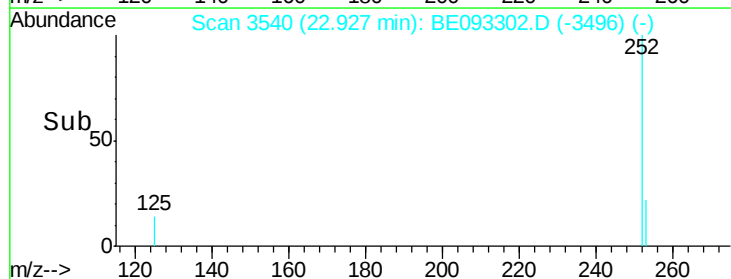
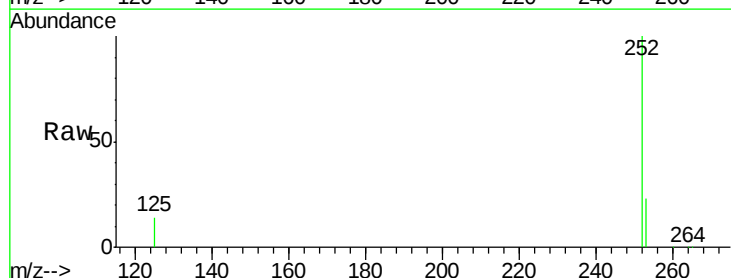
RT: 22.93 min Scan# 3540

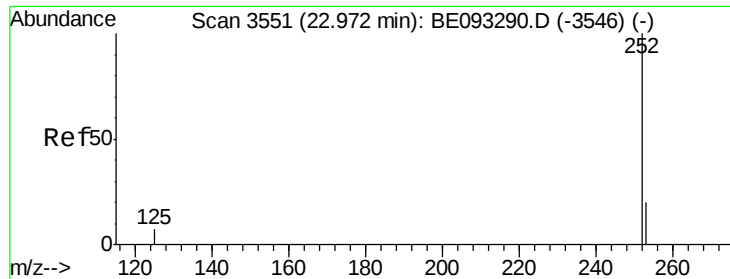
Delta R.T. 0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Tgt Ion:	252	Resp:	235823
Ion Ratio		Lower	Upper
252	100		
253	22.6	0.0	64.2
125	14.2	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 2.074 ng/ul m

RT: 22.97 min Scan# 3550

Delta R.T. 0.00 min

Lab File: BE093302.D

Acq: 21 Jun 2017 3:46

Instrument :

BNA_E

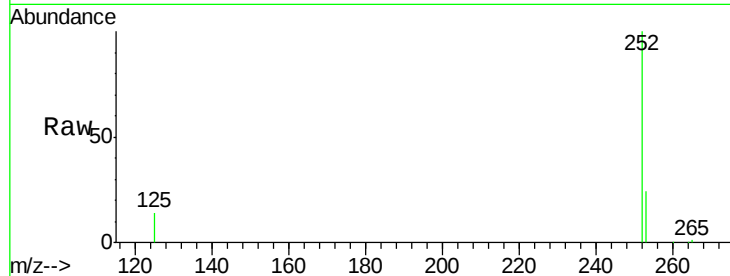
ClientSampleId :

F5D42DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	24.5	36.7#
125	14.0	13.7	20.5

Manual Integrations
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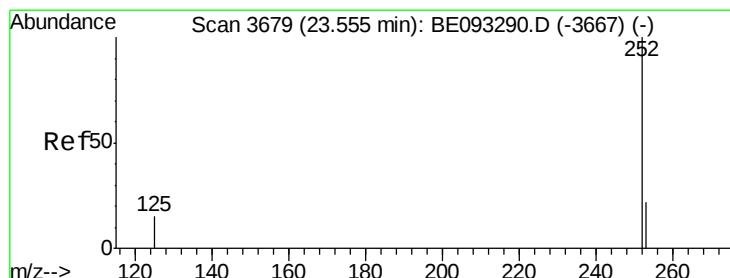
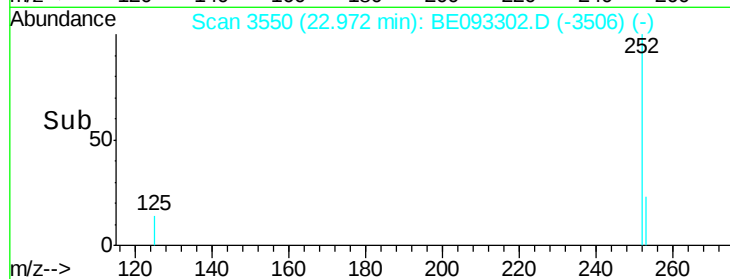
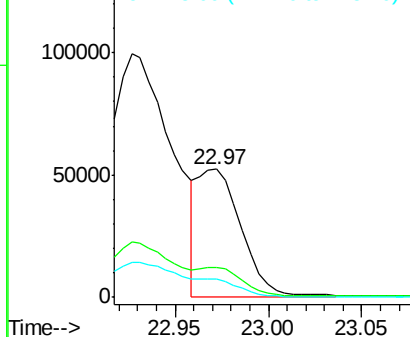
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#23

Benzo(a)pyrene

Concen: 2.778 ng/ul

RT: 23.56 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BE093302.D

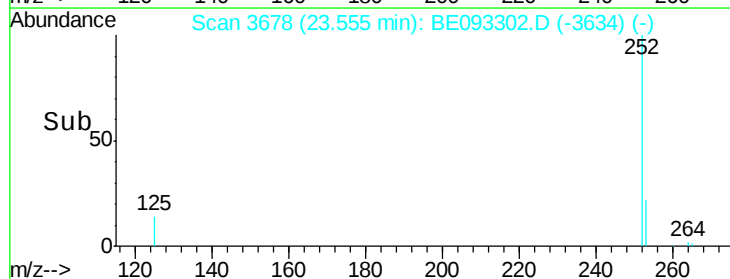
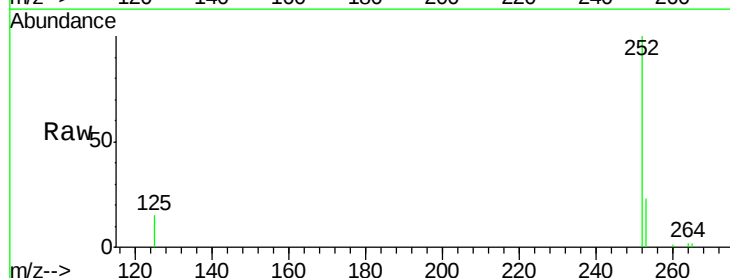
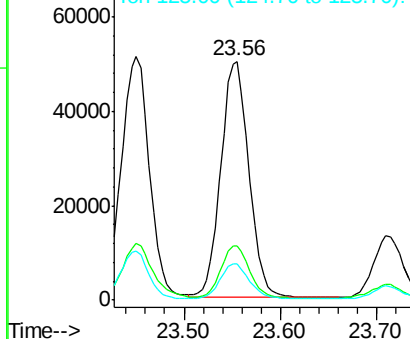
Acq: 21 Jun 2017 3:46

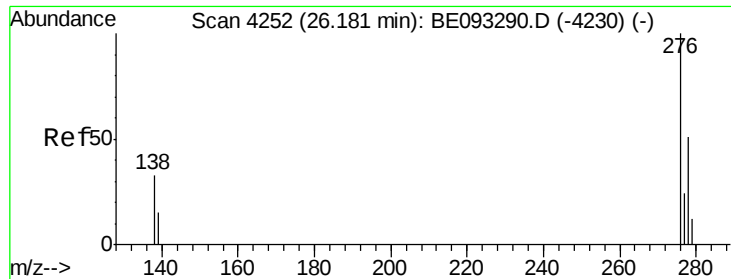
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	28.5	42.7#
125	15.1	18.1	27.1#

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





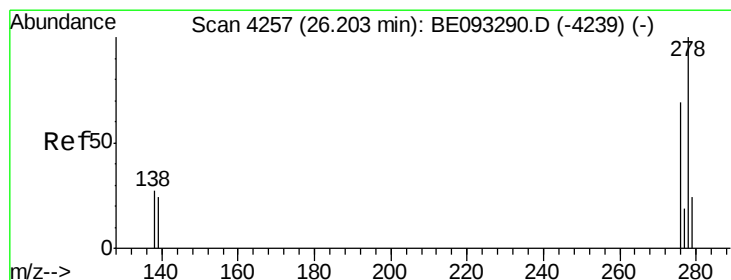
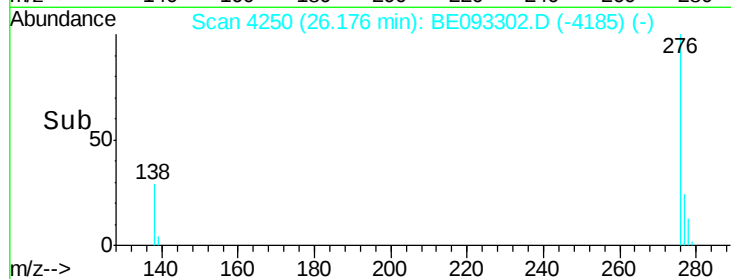
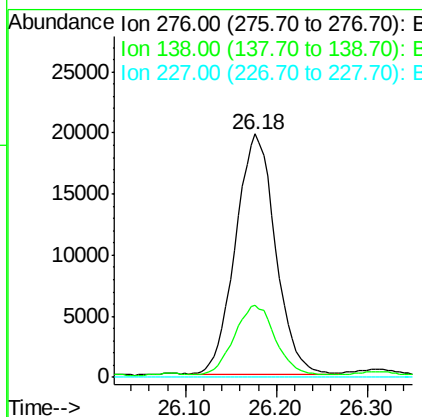
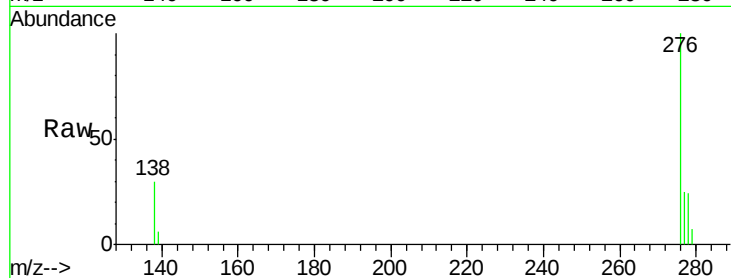
#24
Indeno(1,2,3-cd)pyrene
Concen: 1.419 ng/u1
RT: 26.18 min Scan# 4250
Delta R.T. -0.00 min
Lab File: BE093302.D
Acq: 21 Jun 2017 3:46

Instrument :
BNA_E
ClientSampled :
F5D42DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	29.3	28.0	42.0
227	0.0	8.0	12.0

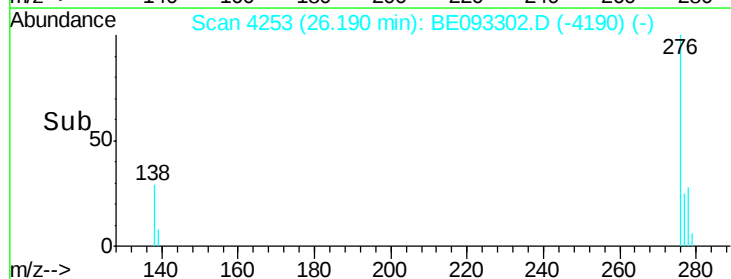
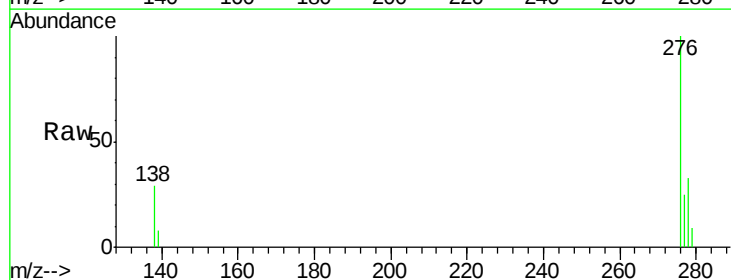
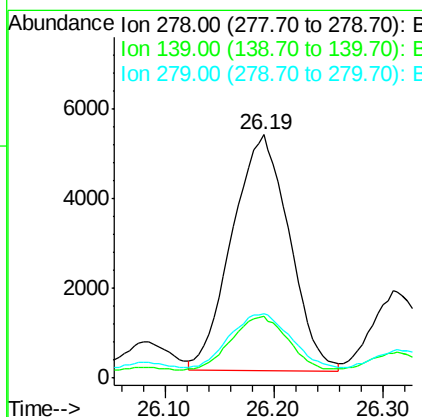
Manual Integrations
APPROVED

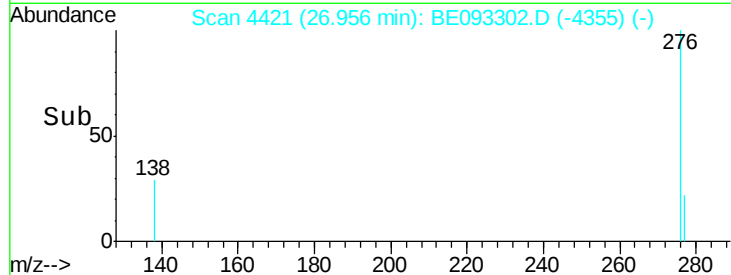
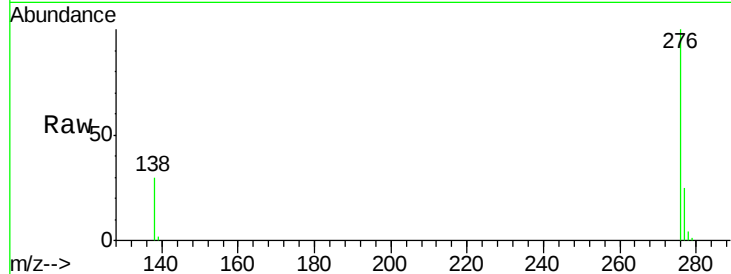
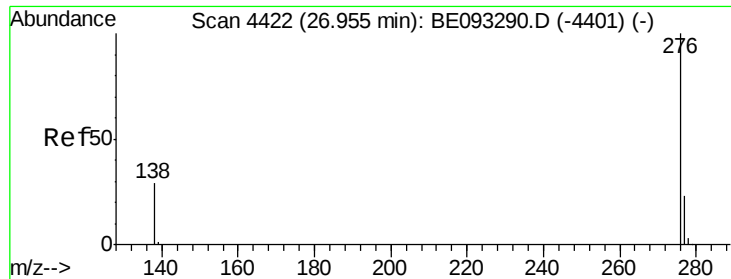
mohammad
6/21/2017 12:19:25 PM



#25
Dibenzo(a,h)anthracene
Concen: 0.537 ng/u1
RT: 26.19 min Scan# 4253
Delta R.T. -0.01 min
Lab File: BE093302.D
Acq: 21 Jun 2017 3:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	25.4	17.4	26.0
279	26.4	25.9	38.9





#26
Benzo(g,h,i)perylene
Concen: 1.169 ng/ul
RT: 26.96 min Scan# 4421
Delta R.T. 0.00 min
Lab File: BE093302.D
Acq: 21 Jun 2017 3:46

Tgt Ion:	276	Resp:	42421
Ion Ratio	Lower	Upper	
276	100		
138	30.1	21.8	32.8
277	24.5	20.5	30.7

Instrument :
BNA_E
ClientSampleId :
F5D42DL

Manual Integrations
APPROVED

mohammad
6/21/2017 12:19:25 PM

