

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\
 Data File : BE093192.D
 Acq On : 15 Jun 2017 4:57
 Operator : SJ/MA
 Sample : I3521-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5C48

Manual Integrations
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mohammad
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Quant Time: Jun 15 06:35:56 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 15 03:59:13 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	3375	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	18081	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.37	164	11309	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	26425	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	27167	0.40	ng/ul	0.00
20) Perylene-d12	23.67	264	21972m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	5978	0.23	ng/ul	0.00
14) Fluoranthene-d10	19.13	212	17001	0.24	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.57	128	5814	0.130	ng/ul#	94
5) 2-Methylnaphthalene	12.19	142	1269	0.041	ng/ul	96
7) Acenaphthylene	14.09	152	68782	1.417	ng/ul	95
8) Acenaphthene	14.43	153	1411	0.036	ng/ul#	93
9) Fluorene	15.42	166	1788	0.039	ng/ul#	88
12) Phenanthrene	17.13	178	40027	0.551	ng/ul#	85
13) Anthracene	17.24	178	59254	0.936	ng/ul	92
15) Fluoranthene	19.16	202	666101	7.471	ng/ul	84
17) Pyrene	19.52	202	803358	10.027	ng/ul#	84
18) Benzo(a)anthracene	21.24	228	402775	5.558	ng/ul#	83
19) Chrysene	21.30	228	641171	8.529	ng/ul	98
21) Benzo(b)fluoranthene	22.94	252	985551	14.781	ng/ul	86
22) Benzo(k)fluoranthene	22.98	252	352079m	4.972	ng/ul	
23) Benzo(a)pyrene	23.56	252	421233m	6.681	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.19	276	322857m	4.423	ng/ul	
25) Dibenzo(a,h)anthracene	26.20	278	84503m	1.375	ng/ul	
26) Benzo(g,h,i)perylene	26.97	276	254367	4.063	ng/ul	97

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

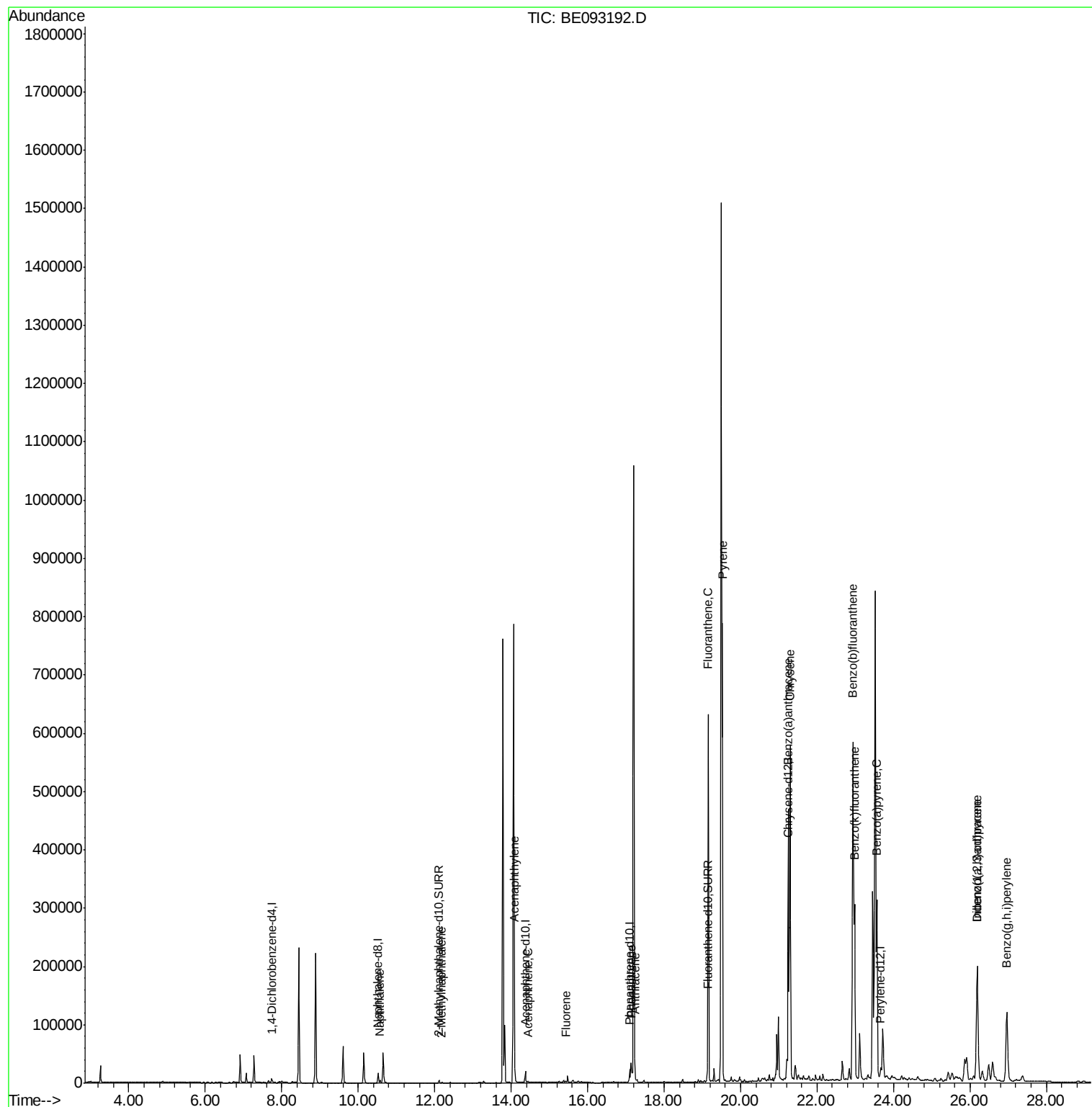
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\
Data File : BE093192.D
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ALS Vial : 29 Sample Multiplier: 1

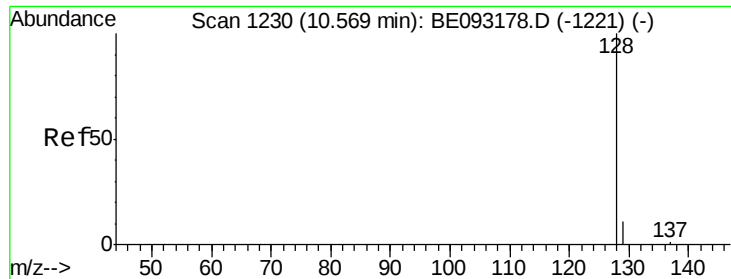
Instrument :
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Quant Time: Jun 15 06:35:56 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
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QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.130 ng/ul

RT: 10.57 min Scan# 1230

Delta R.T. -0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

BNA_E

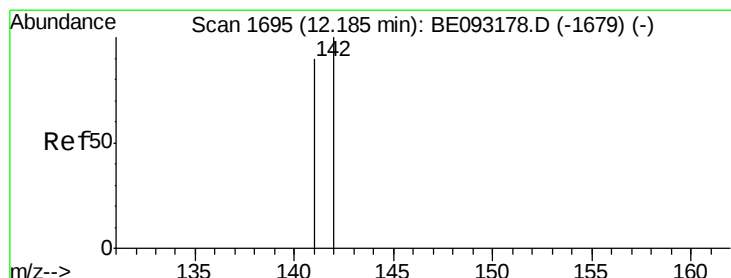
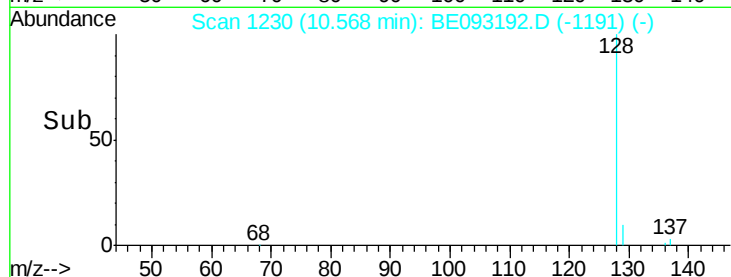
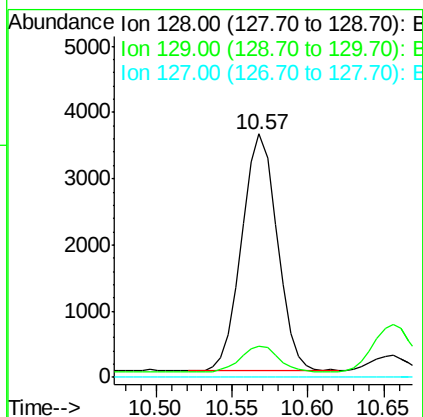
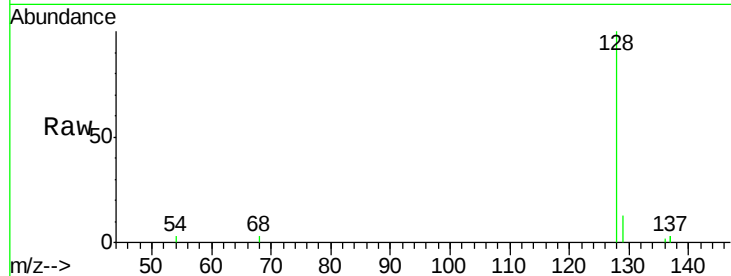
ClientSampleId :

F5C48

Tgt Ion:	128	Resp:	5814
Ion Ratio	Lower	Upper	
128	100		
129	12.8	11.3	16.9
127	0.0	4.0	6.0

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#5

2-Methylnaphthalene

Concen: 0.041 ng/ul

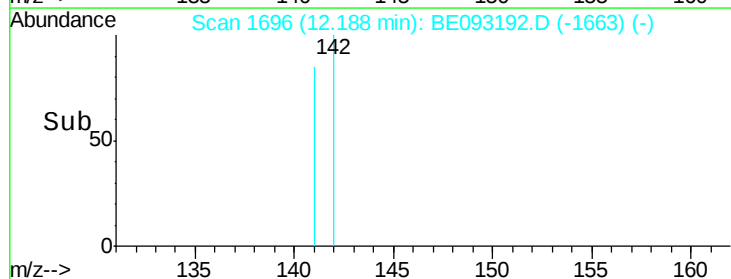
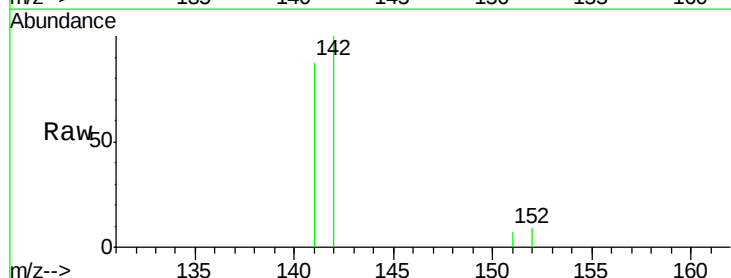
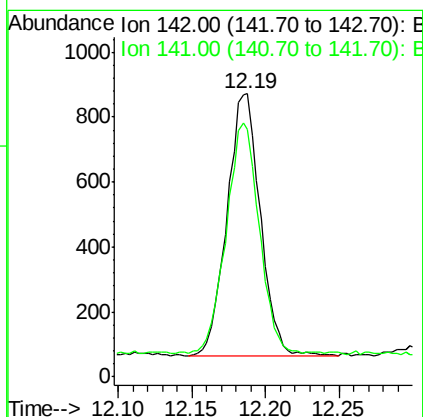
RT: 12.19 min Scan# 1696

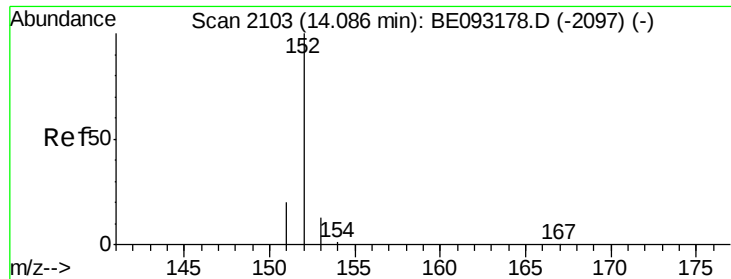
Delta R.T. 0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Tgt Ion:	142	Resp:	1269
Ion Ratio	Lower	Upper	
142	100		
141	87.3	72.6	108.8





#7

Acenaphthylene

Concen: 1.417 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. -0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

BNA_E

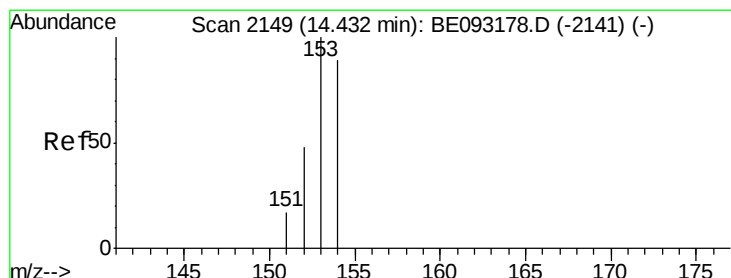
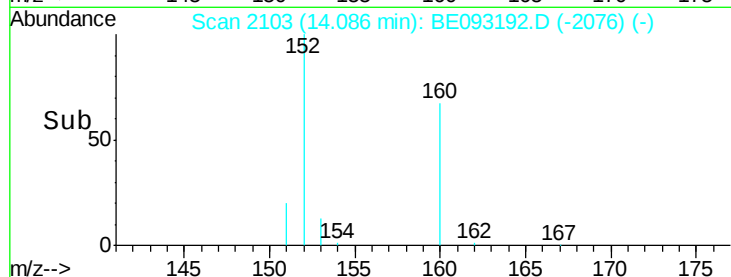
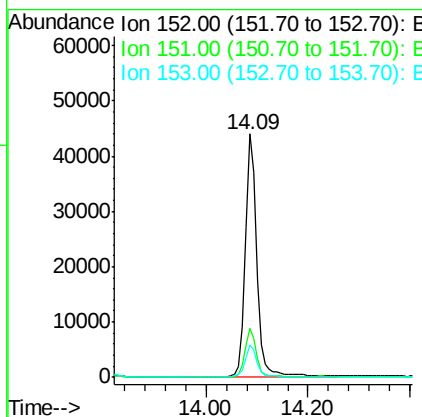
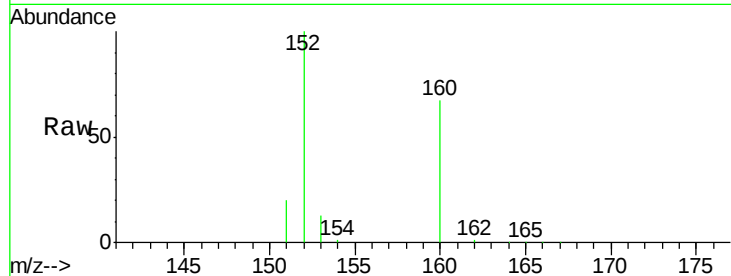
ClientSampleId :

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Tgt Ion:	152	Resp:	68782
Ion Ratio	Lower	Upper	
152	100		
151	20.1	17.1	25.7
153	13.1	12.8	19.2

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#8

Acenaphthene

Concen: 0.036 ng/ul

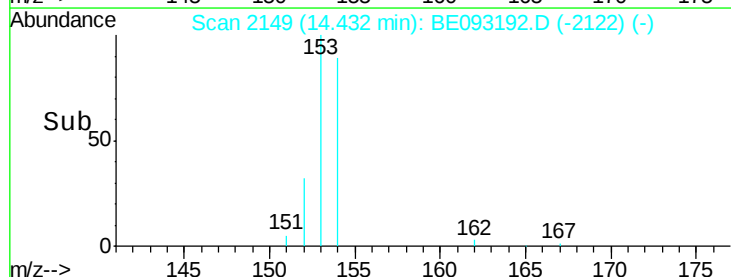
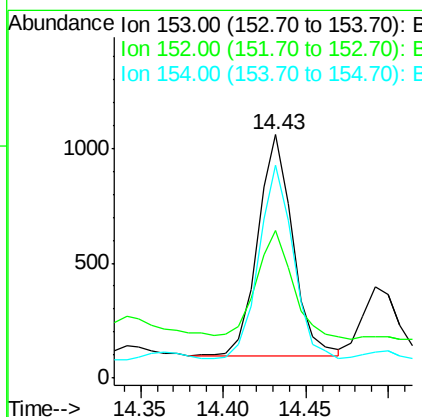
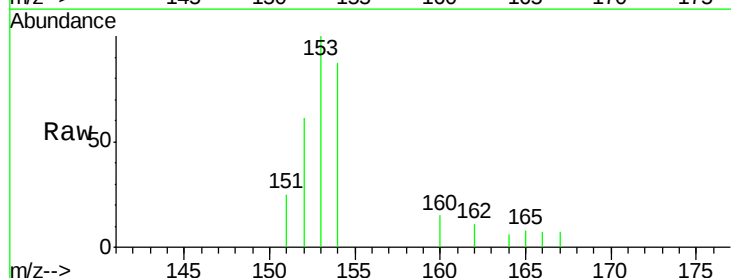
RT: 14.43 min Scan# 2149

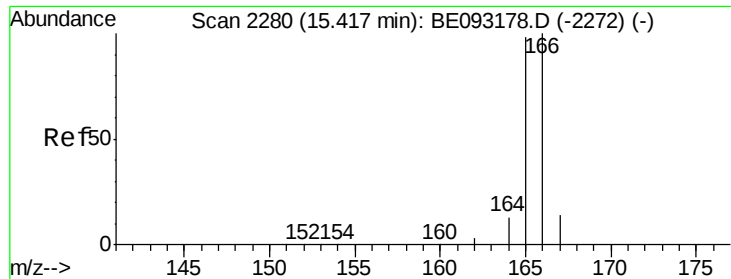
Delta R.T. -0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Tgt Ion:	153	Resp:	1411
Ion Ratio	Lower	Upper	
153	100		
152	60.7	40.3	60.5#
154	87.3	71.4	107.2





#9

Fluorene

Concen: 0.039 ng/ul

RT: 15.42 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

BNA_E

ClientSampleId :

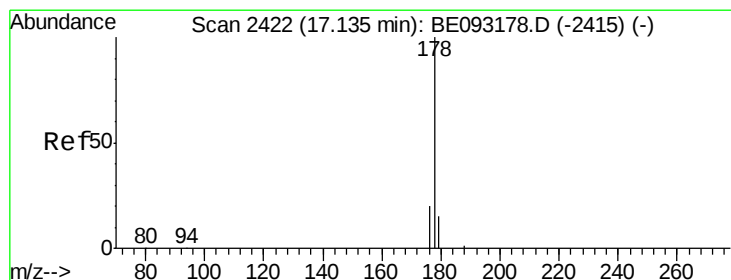
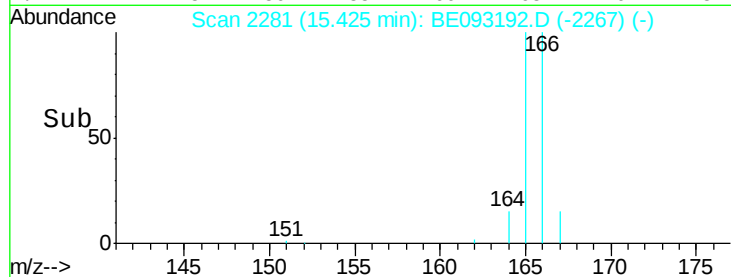
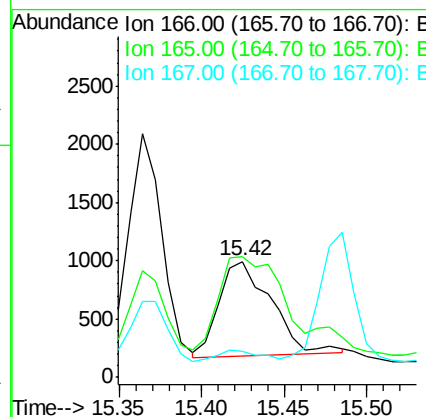
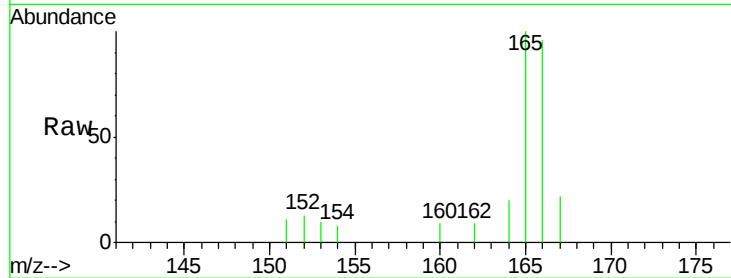
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Tgt Ion:166 Resp: 1788

Ion	Ratio	Lower	Upper
166	100		
165	104.1	73.4	110.2
167	22.7	14.6	22.0#

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#12

Phenanthrene

Concen: 0.551 ng/ul

RT: 17.13 min Scan# 2422

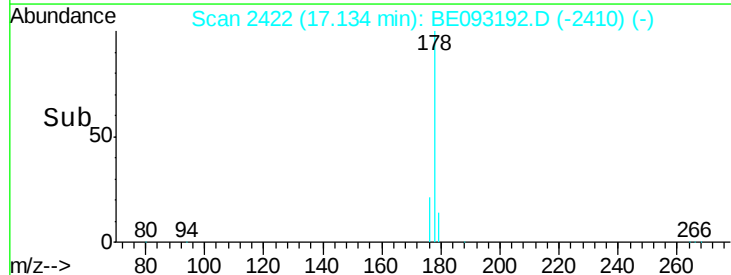
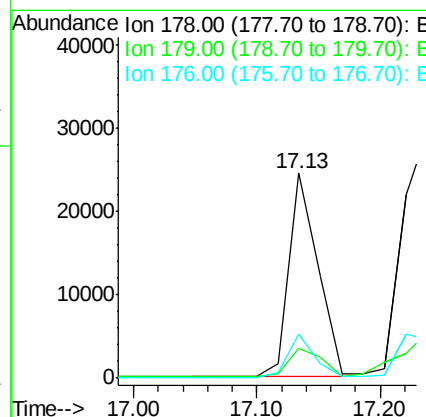
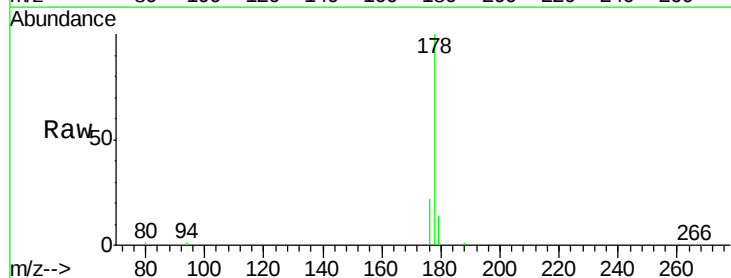
Delta R.T. -0.00 min

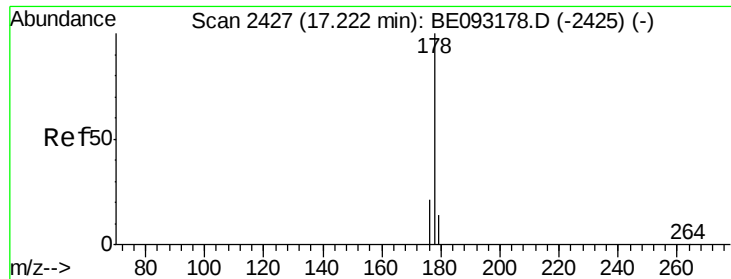
Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Tgt Ion:178 Resp: 40027

Ion	Ratio	Lower	Upper
178	100		
179	14.5	18.4	27.6#
176	21.7	13.6	20.4#





#13

Anthracene

Concen: 0.936 ng/ul

RT: 17.24 min Scan# 2428

Delta R.T. 0.02 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

BNA_E

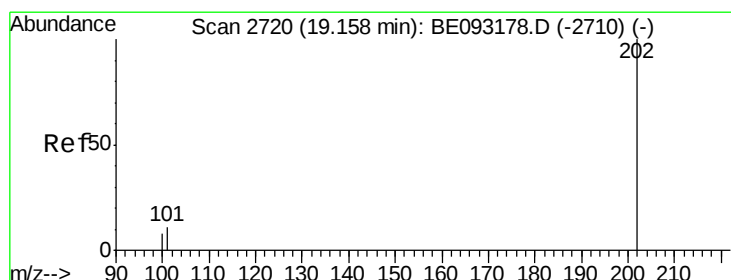
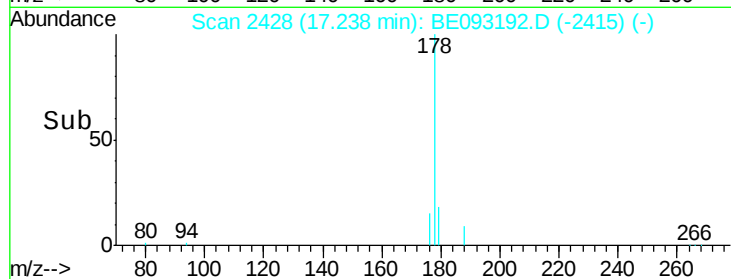
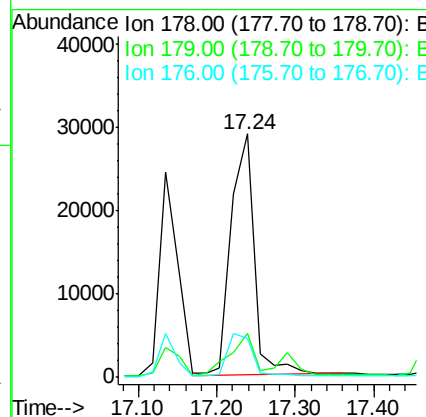
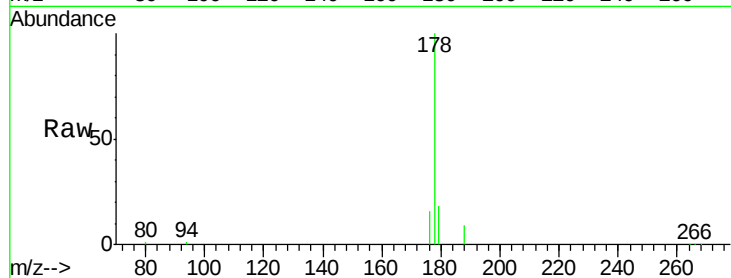
ClientSampleId :

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Tgt Ion:	178	Resp:	59254
Ion Ratio	Lower	Upper	
178	100		
179	18.2	18.1	27.1
176	15.7	14.7	22.1

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#15

Fluoranthene

Concen: 7.471 ng/ul

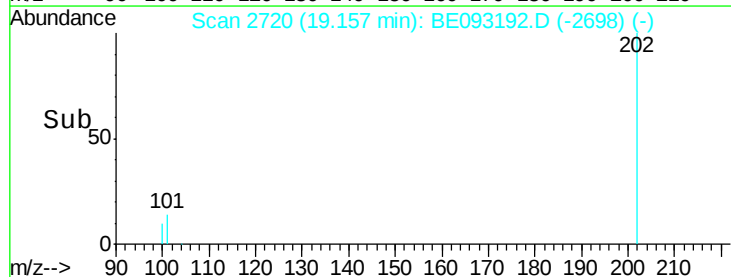
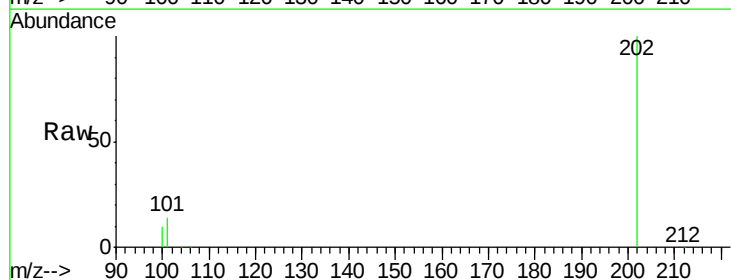
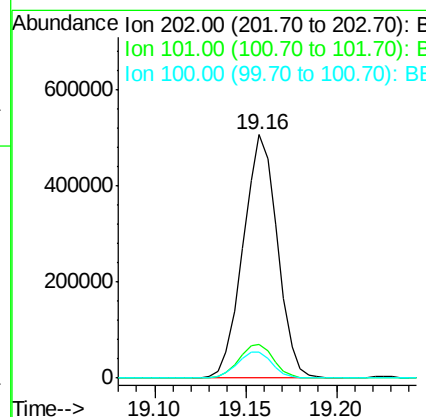
RT: 19.16 min Scan# 2720

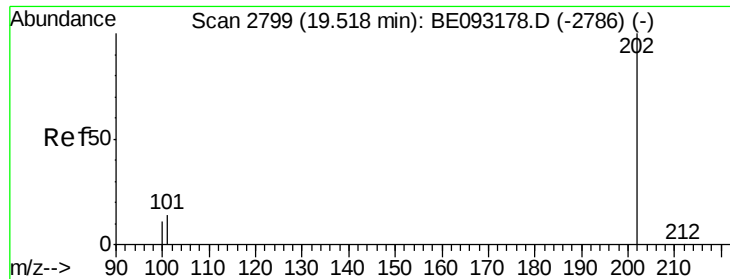
Delta R.T. -0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Tgt Ion:	202	Resp:	666101
Ion Ratio	Lower	Upper	
202	100		
101	14.1	0.0	30.3
100	10.5	0.0	39.5





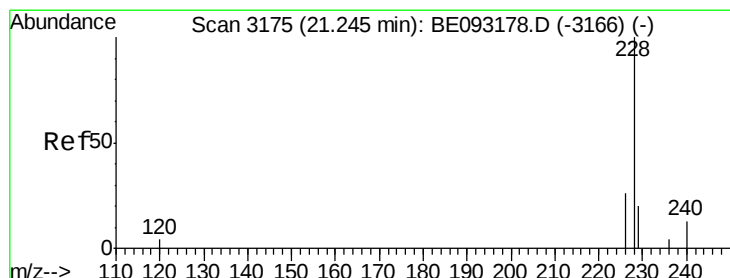
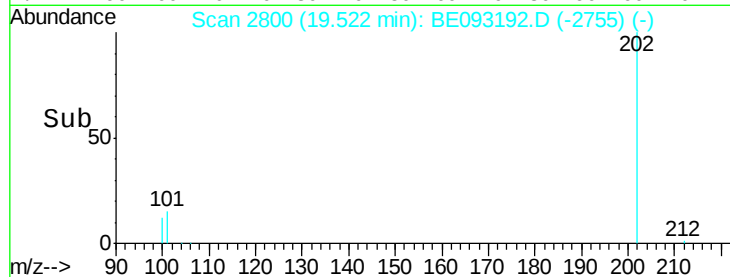
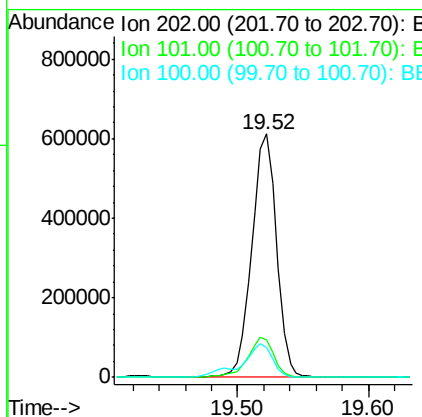
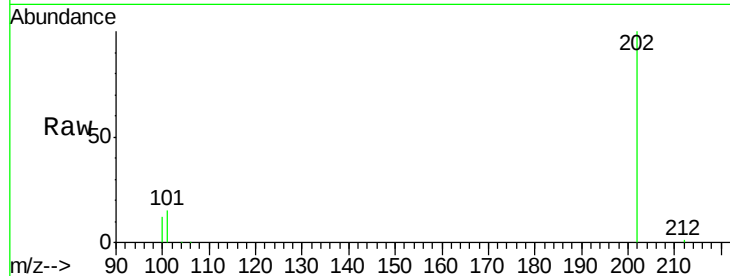
#17
 Pyrene
 Concen: 10.027 ng/ul
 RT: 19.52 min Scan# 2800
 Delta R.T. 0.00 min
 Lab File: BE093192.D
 Acq: 15 Jun 2017 4:57

Instrument :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.3	18.2	27.4#
100	12.1	15.6	23.4#

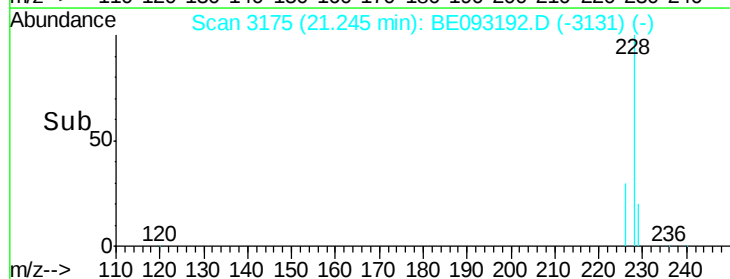
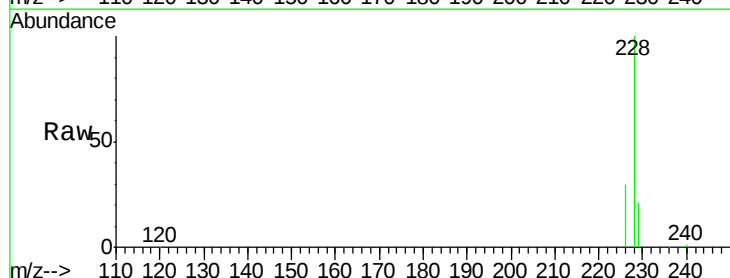
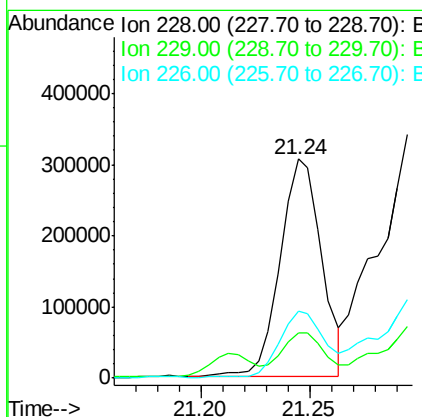
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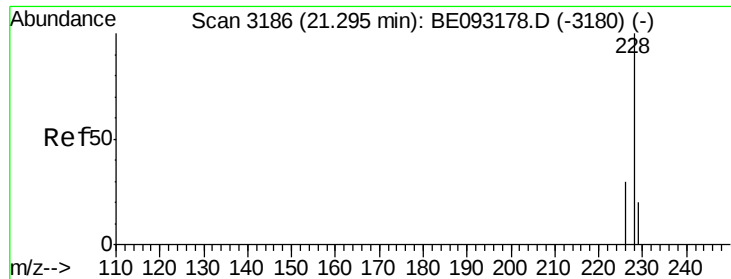
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#18
 Benzo(a)anthracene
 Concen: 5.558 ng/ul
 RT: 21.24 min Scan# 3175
 Delta R.T. -0.00 min
 Lab File: BE093192.D
 Acq: 15 Jun 2017 4:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	20.8	22.8	34.2#
226	30.4	17.0	25.6#





#19

Chrysene

Concen: 8.529 ng/ul

RT: 21.30 min Scan# 3187

Delta R.T. 0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

BNA_E

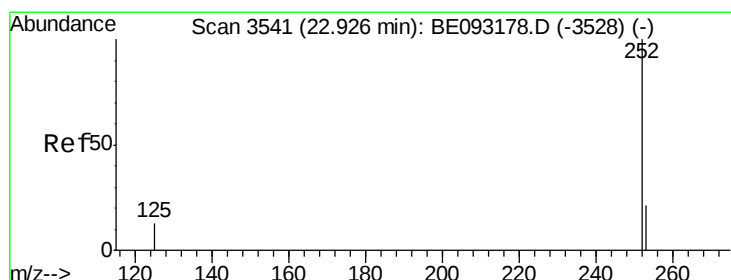
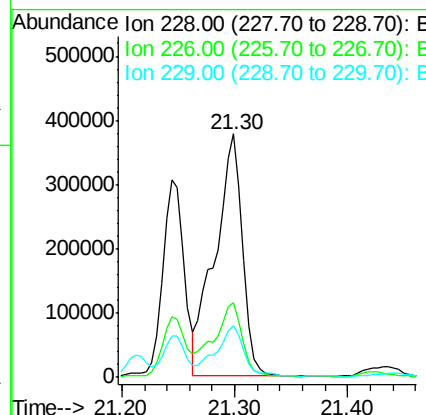
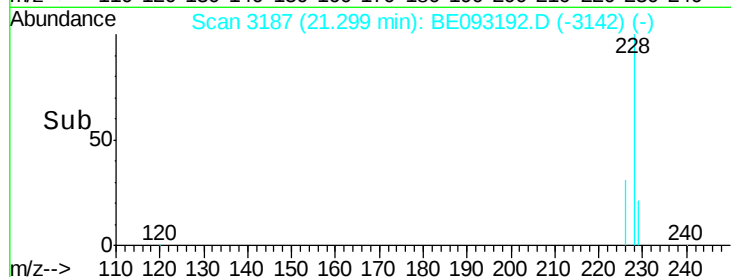
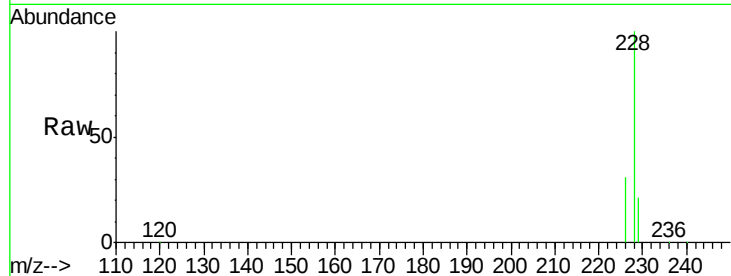
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Tgt Ion:	228	Resp:	641171
Ion Ratio	Lower	Upper	
228	100		
226	30.8	23.4	35.0
229	21.4	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 14.781 ng/ul

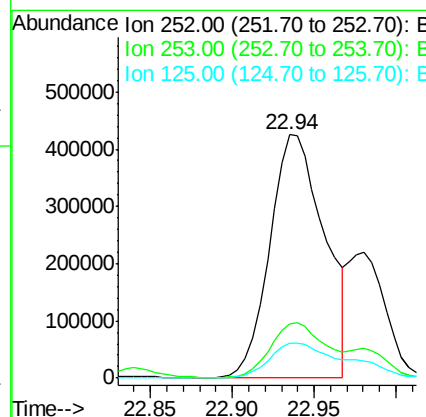
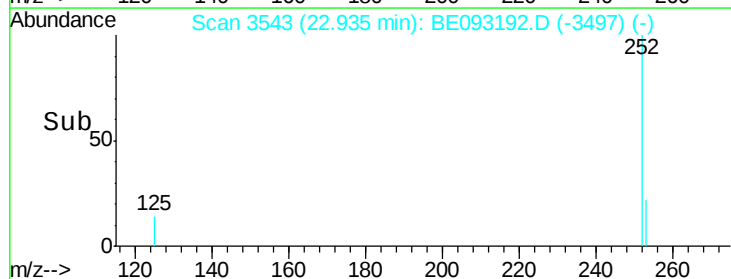
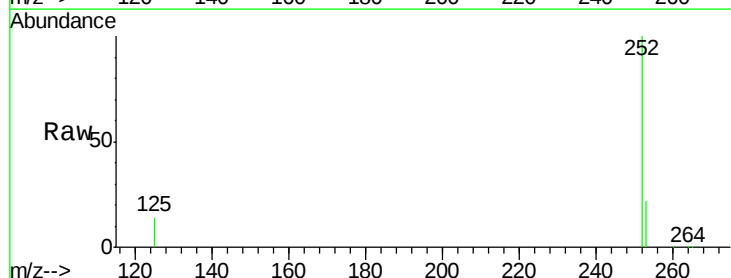
RT: 22.94 min Scan# 3543

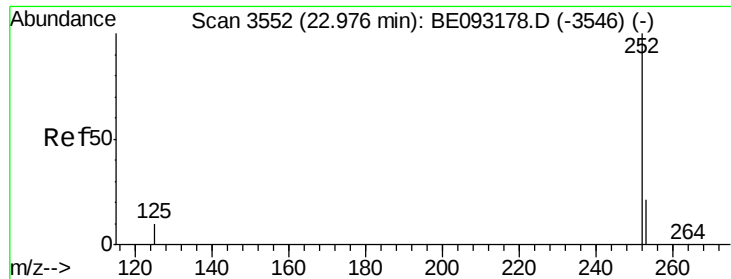
Delta R.T. 0.01 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Tgt Ion:	252	Resp:	985551
Ion Ratio	Lower	Upper	
252	100		
253	22.4	0.0	64.2
125	14.5	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 4.972 ng/ul m

RT: 22.98 min Scan# 3553

Delta R.T. 0.00 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

BNA_E

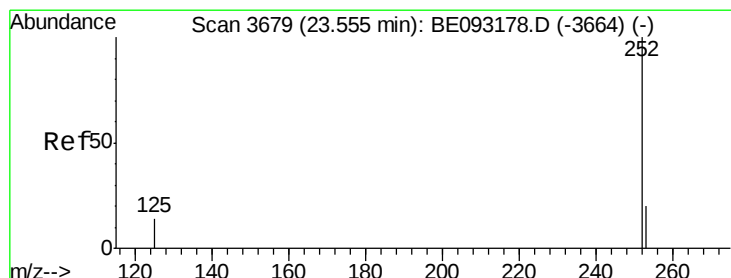
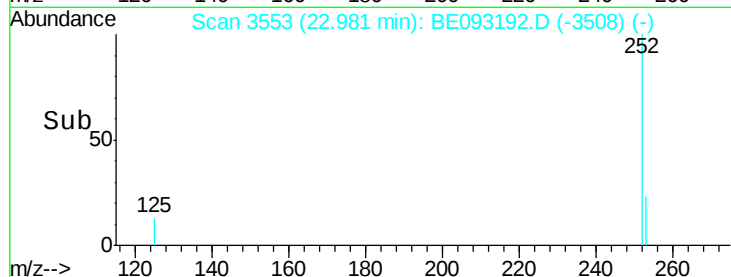
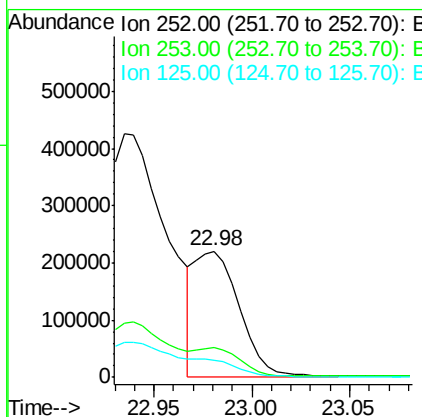
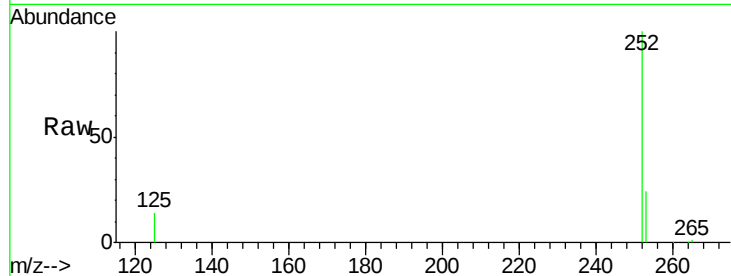
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	24.5	36.7#
125	13.9	13.7	20.5

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#23

Benzo(a)pyrene

Concen: 6.681 ng/ul m

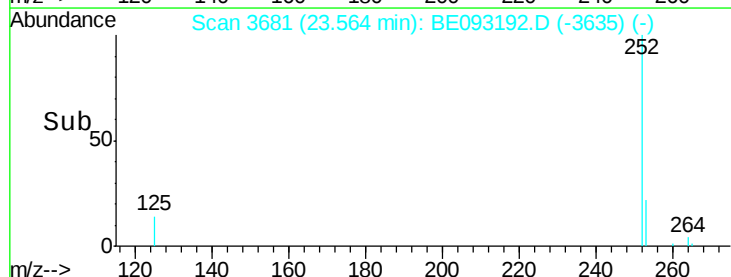
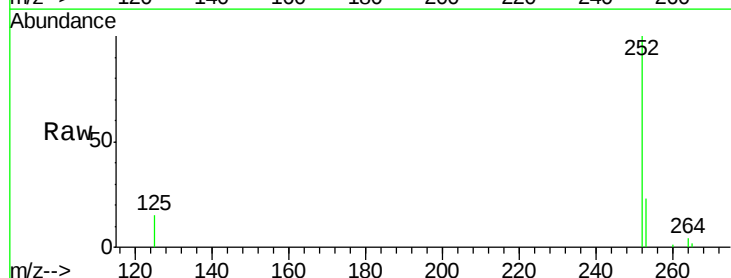
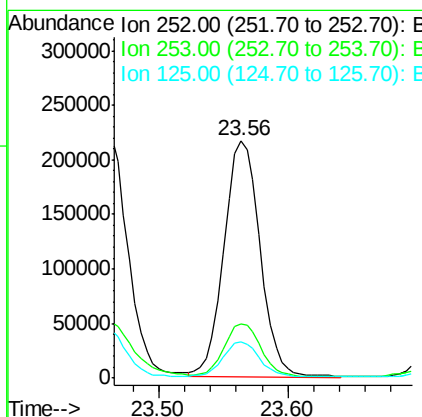
RT: 23.56 min Scan# 3681

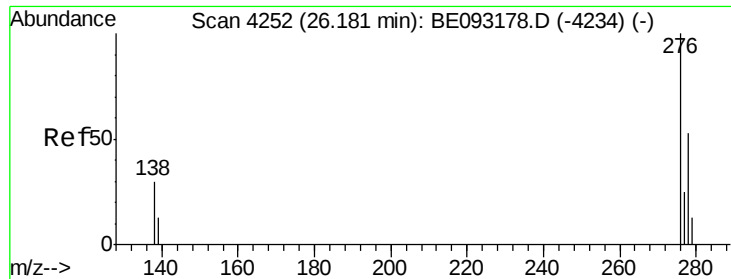
Delta R.T. 0.01 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	28.5	42.7#
125	15.2	18.1	27.1#





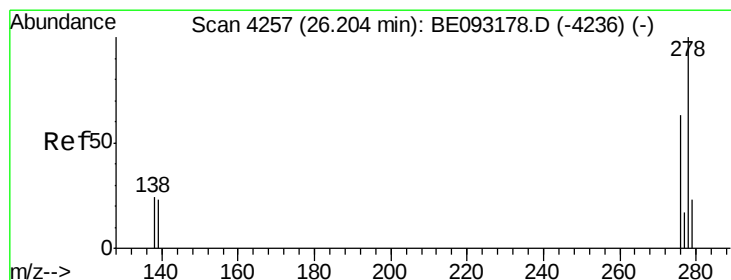
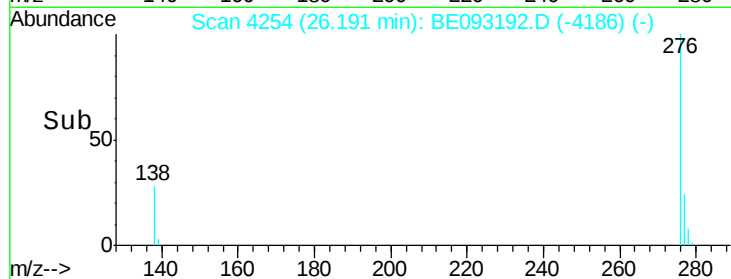
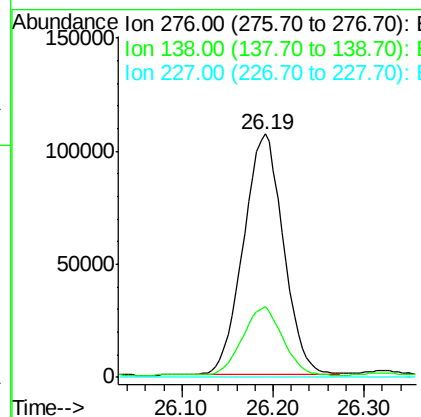
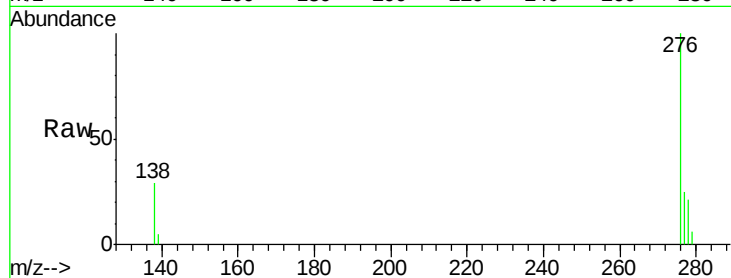
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 4.423 ng/ul m
 RT: 26.19 min Scan# 4254
 Delta R.T. 0.01 min
 Lab File: BE093192.D
 Acq: 15 Jun 2017 4:57

Instrument :
 BNA_E
 ClientSampleId :
 F5C48

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	3.4	28.0	42.0#
227	0.0	8.0	12.0#

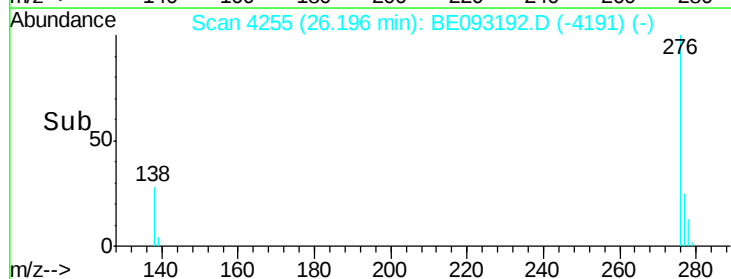
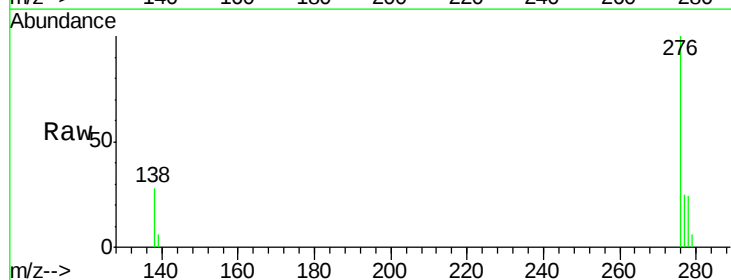
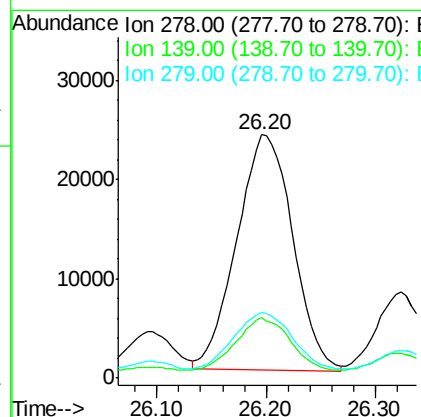
Manual Integrations
 APPROVED

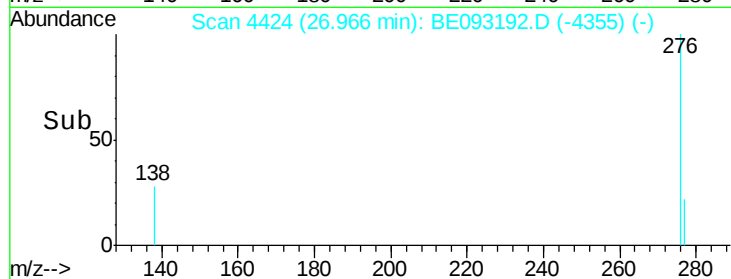
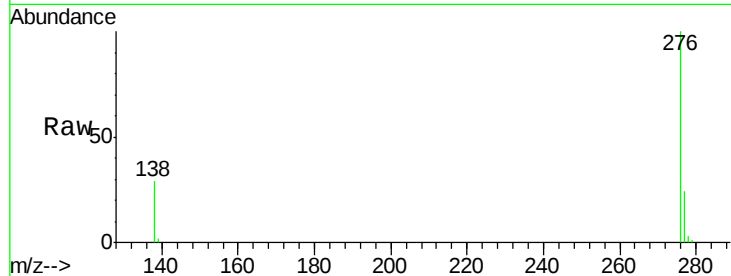
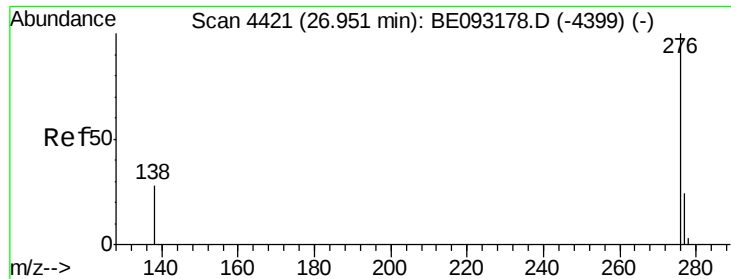
mohammad
 6/15/2017 3:54:09 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 1.375 ng/ul m
 RT: 26.20 min Scan# 4255
 Delta R.T. -0.01 min
 Lab File: BE093192.D
 Acq: 15 Jun 2017 4:57

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	24.7	17.4	26.0
279	27.2	25.9	38.9





#26

Benzo(g,h,i)perylene

Concen: 4.063 ng/ul

RT: 26.97 min Scan# 4424

Delta R.T. 0.02 min

Lab File: BE093192.D

Acq: 15 Jun 2017 4:57

Instrument :

BNA_E

ClientSampleId :

F5C48

Tgt Ion:	276	Resp:	254367
Ion Ratio	Lower	Upper	
276	100		
138	28.8	21.8	32.8
277	24.4	20.5	30.7

Manual Integrations
APPROVED

mohammad
6/15/2017 3:54:09 PM

