

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
 Data File : BE093288.D
 Acq On : 20 Jun 2017 19:10
 Operator : SJ/JU
 Sample : I3627-19
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 F5A92

Manual Integrations
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mohammad
 6/21/2017 12:18:34 PM

Quant Time: Jun 21 03:18:34 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 01:49:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	1701	0.40	ng/ul	0.00
2) Naphthalene-d8	10.52	136	8733	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	5593	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	13418m	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13073	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11370m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.11	152	3915	0.31	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	10655	0.29	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.56	128	372499	17.191	ng/ul#	91
5) 2-Methylnaphthalene	12.18	142	29490	1.990	ng/ul	98
7) Acenaphthylene	14.09	152	2505	0.104	ng/ul#	93
8) Acenaphthene	14.42	153	15976	0.825	ng/ul	98
9) Fluorene	15.42	166	28625	1.261	ng/ul#	94
12) Phenanthrene	17.14	178	121509	3.291	ng/ul#	88
13) Anthracene	17.22	178	10818	0.337	ng/ul#	92
15) Fluoranthene	19.15	202	22650	0.500	ng/ul	84
17) Pyrene	19.51	202	18296	0.475	ng/ul#	88
18) Benzo(a)anthracene	21.24	228	3361	0.096	ng/ul#	86
19) Chrysene	21.30	228	3544	0.098	ng/ul	97
21) Benzo(b)fluoranthene	22.93	252	2505	0.073	ng/ul	87
22) Benzo(k)fluoranthene	22.98	252	1878m	0.051	ng/ul	
23) Benzo(a)pyrene	23.55	252	1878m	0.058	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.19	276	1835	0.049	ng/ul#	90
25) Dibenzo(a,h)anthracene	26.20	278	1386	0.044	ng/ul#	61
26) Benzo(g,h,i)perylene	26.95	276	1614	0.050	ng/ul#	77

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

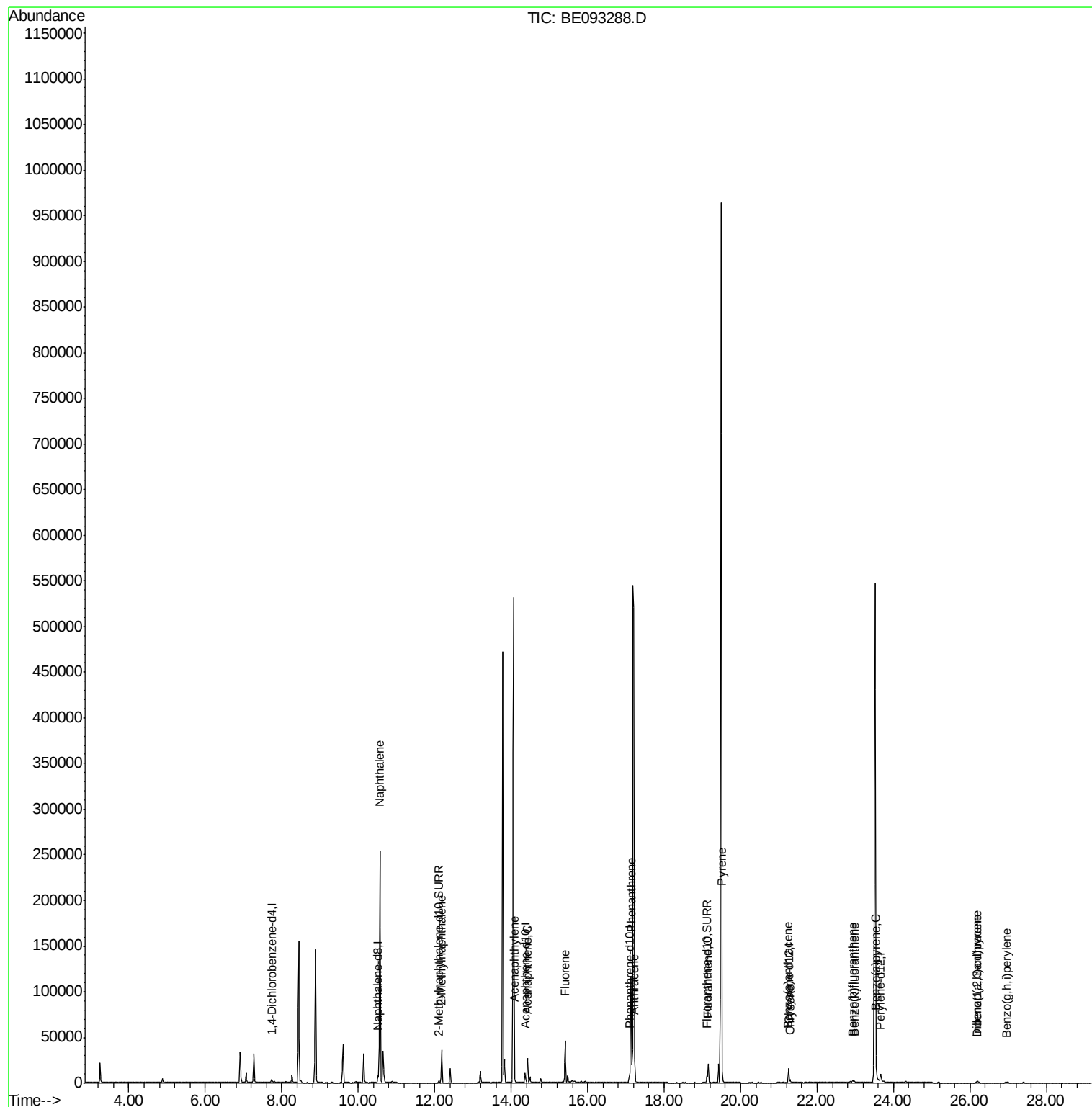
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
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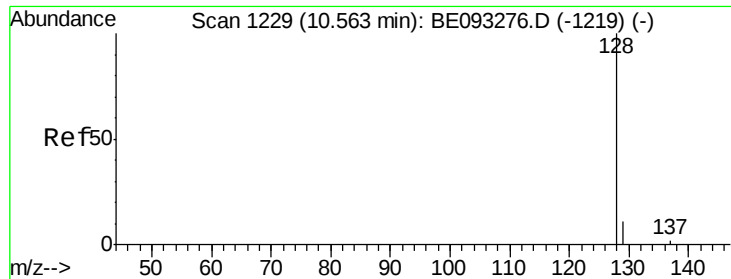
Instrument :
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QLast Update : Wed Jun 21 01:49:50 2017
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#3

Naphthalene

Concen: 17.191 ng/ul

RT: 10.56 min Scan# 1229

Delta R.T. 0.00 min

Lab File: BE093288.D

Acq: 20 Jun 2017 19:10

Instrument :

BNA_E

ClientSampleId :

F5A92

Tgt Ion:128 Resp: 372499

Ion Ratio Lower Upper

128 100

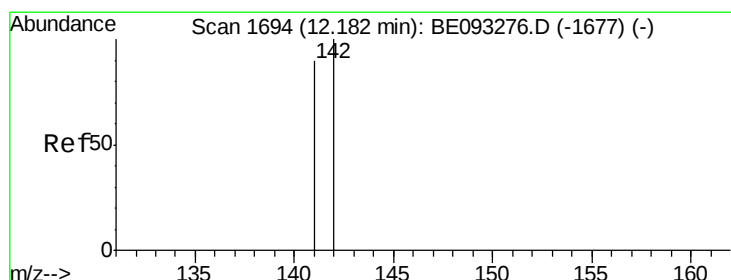
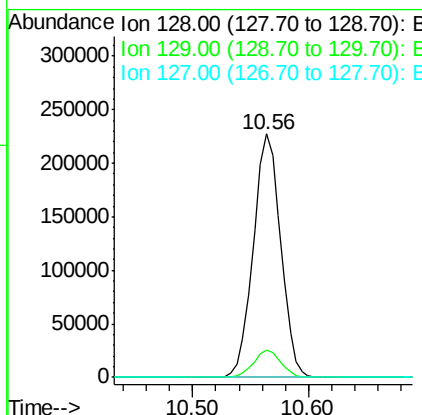
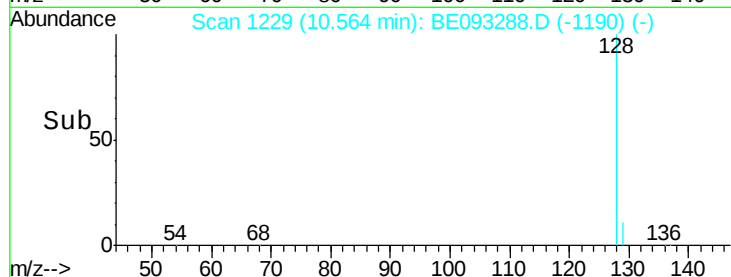
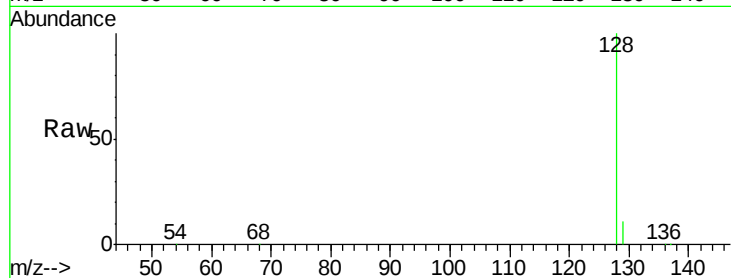
129 11.1 11.3 16.9#

127 0.0 4.0 6.0#

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#5

2-Methylnaphthalene

Concen: 1.990 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BE093288.D

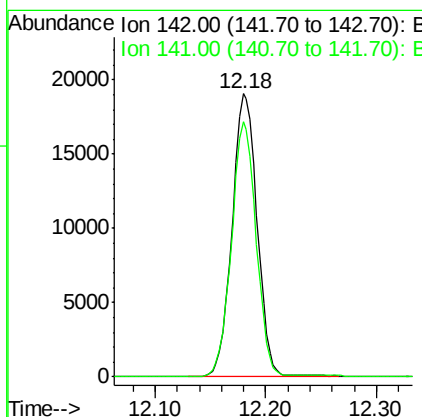
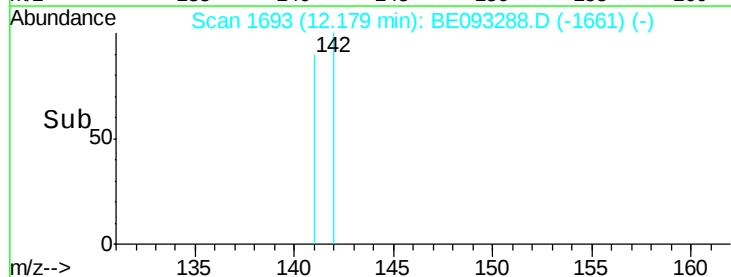
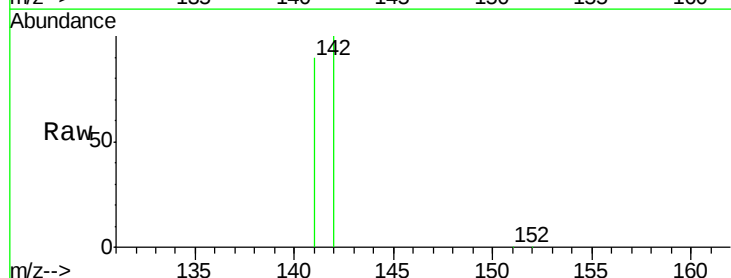
Acq: 20 Jun 2017 19:10

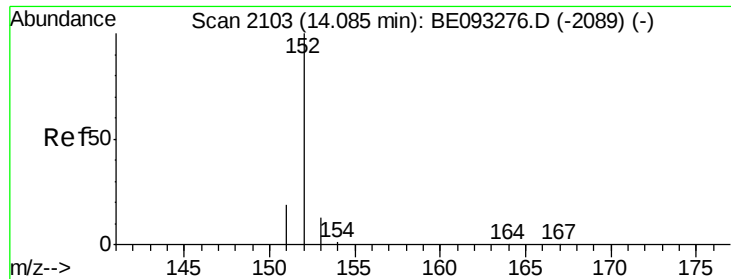
Tgt Ion:142 Resp: 29490

Ion Ratio Lower Upper

142 100

141 89.0 72.6 108.8





#7

Acenaphthylene

Concen: 0.104 ng/ul

RT: 14.09 min Scan# 2103

Delta R.T. 0.00 min

Lab File: BE093288.D

Acq: 20 Jun 2017 19:10

Instrument :

BNA_E

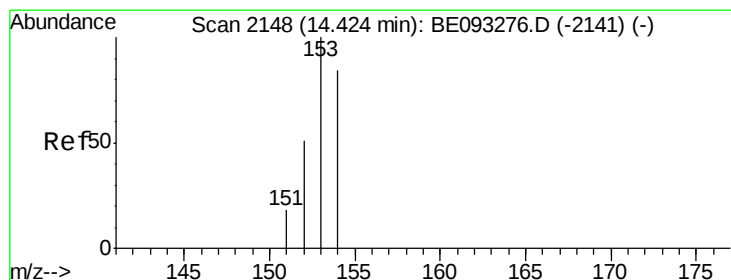
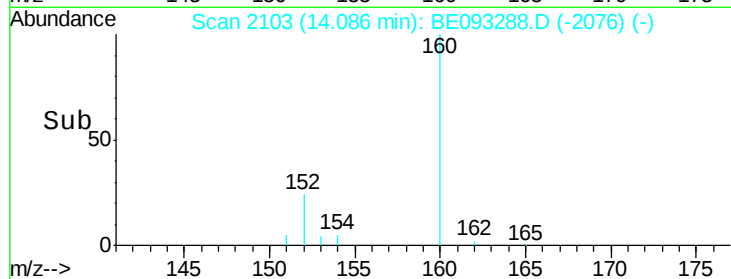
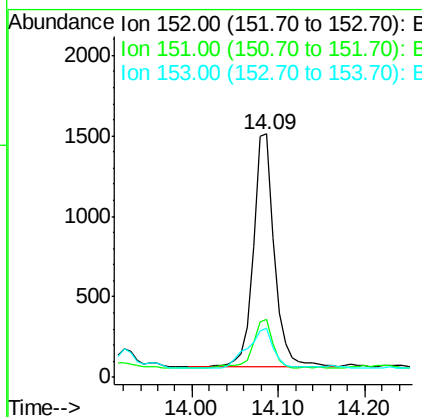
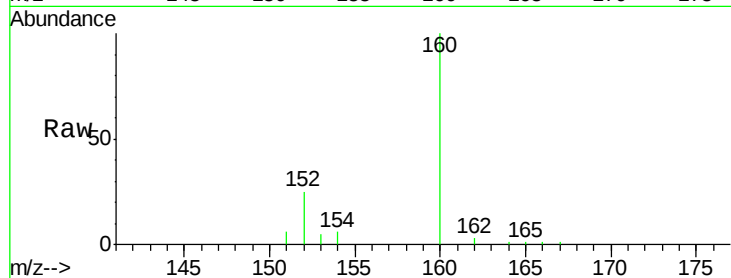
ClientSampleId :

F5A92

Tgt Ion:	152	Resp:	2505
Ion Ratio	Lower	Upper	
152	100		
151	23.6	17.1	25.7
153	20.1	12.8	19.2

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#8

Acenaphthene

Concen: 0.825 ng/ul

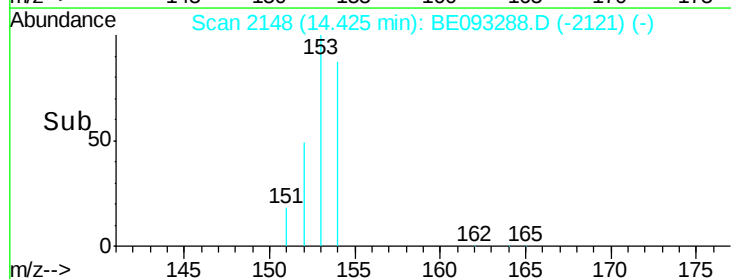
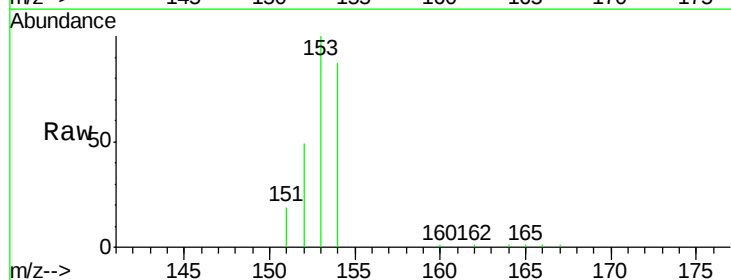
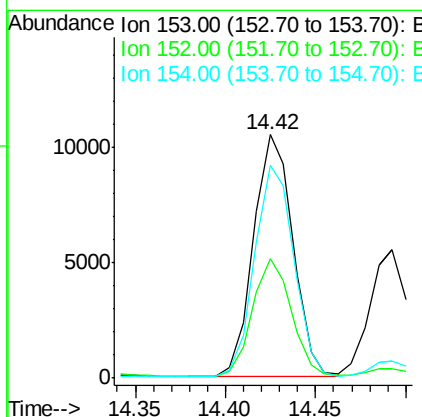
RT: 14.42 min Scan# 2148

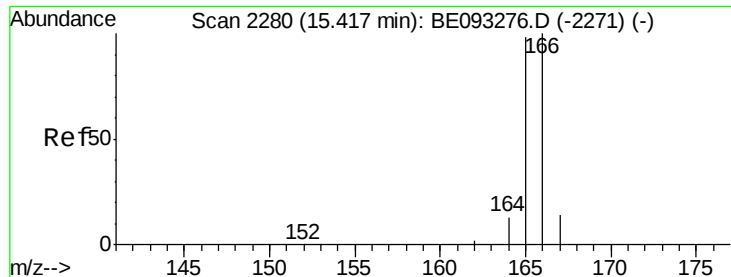
Delta R.T. 0.00 min

Lab File: BE093288.D

Acq: 20 Jun 2017 19:10

Tgt Ion:	153	Resp:	15976
Ion Ratio	Lower	Upper	
153	100		
152	49.3	40.3	60.5
154	87.3	71.4	107.2





#9

Fluorene

Concen: 1.261 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.00 min

Lab File: BE093288.D

Acq: 20 Jun 2017 19:10

Instrument :

BNA_E

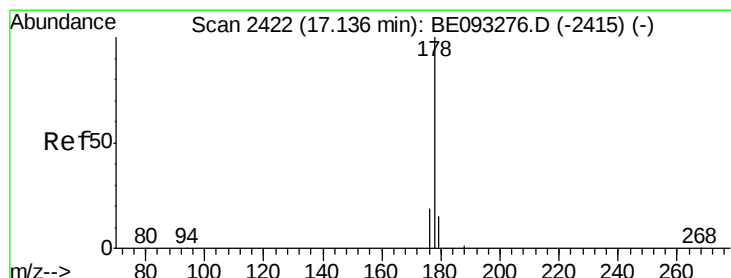
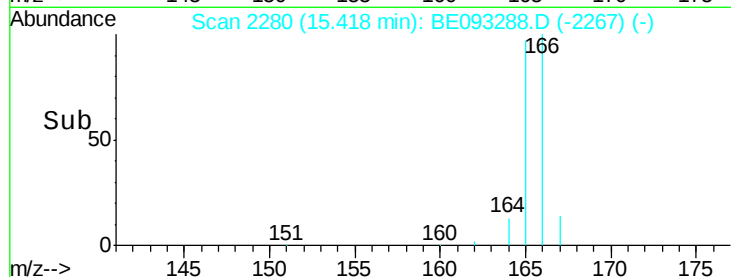
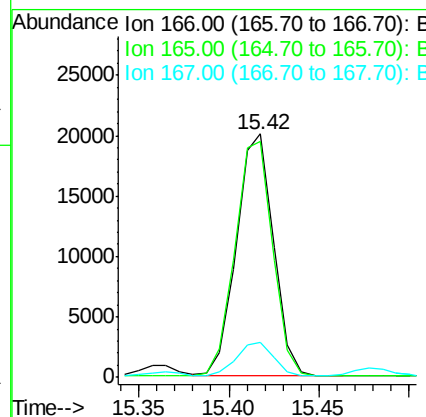
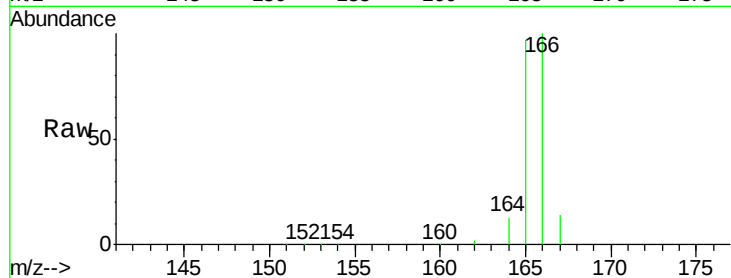
ClientSampled :

F5A92

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	73.4	110.2
167	14.5	14.6	22.0

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#12

Phenanthrene

Concen: 3.291 ng/ul

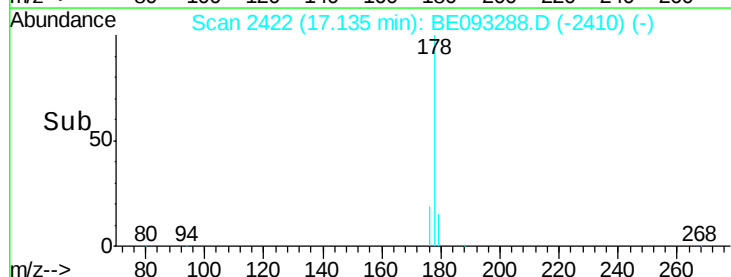
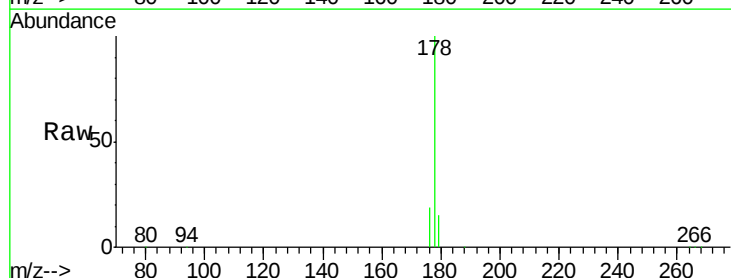
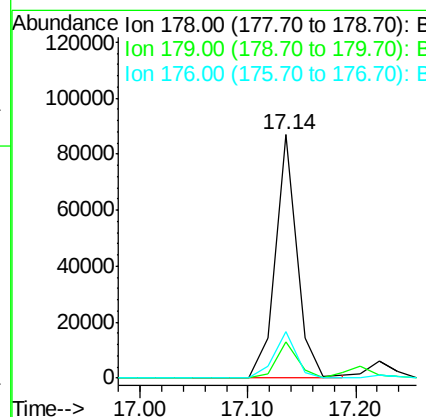
RT: 17.14 min Scan# 2422

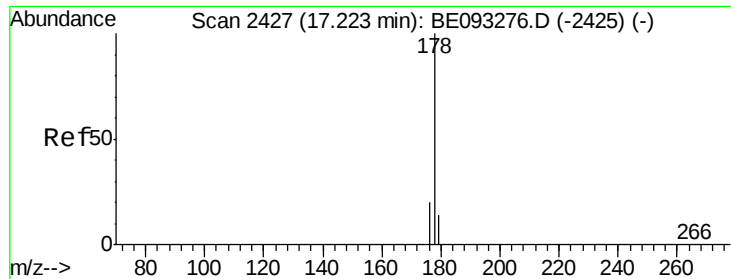
Delta R.T. -0.00 min

Lab File: BE093288.D

Acq: 20 Jun 2017 19:10

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.0	18.4	27.6
176	19.1	13.6	20.4





#13

Anthracene

Concen: 0.337 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093288.D

Acq: 20 Jun 2017 19:10

Instrument :

BNA_E

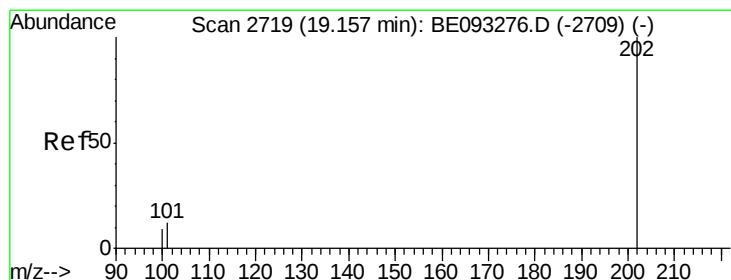
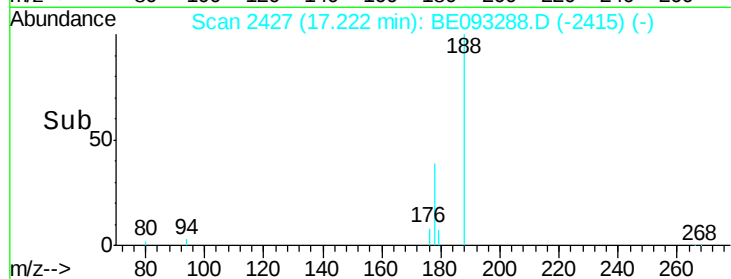
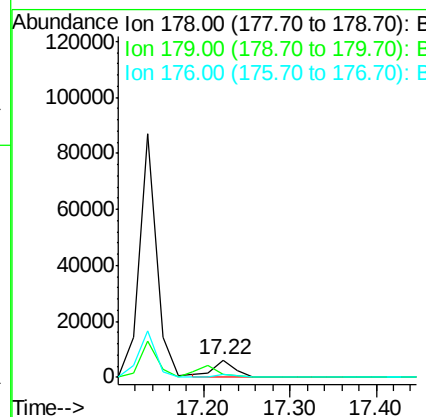
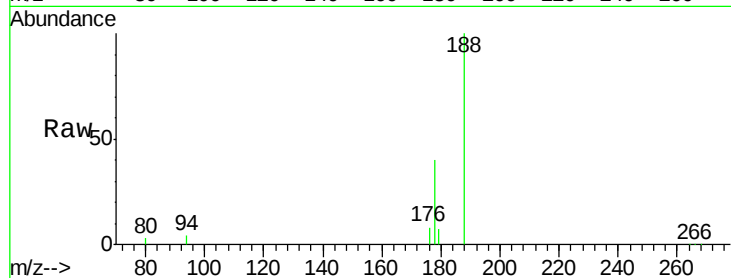
ClientSampleId :

F5A92

Tgt Ion:	178	Resp:	10818
Ion Ratio	Lower	Upper	
178	100		
179	17.8	18.1	27.1#
176	20.5	14.7	22.1

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#15

Fluoranthene

Concen: 0.500 ng/ul

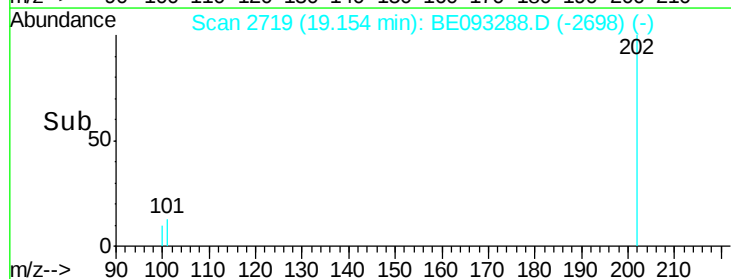
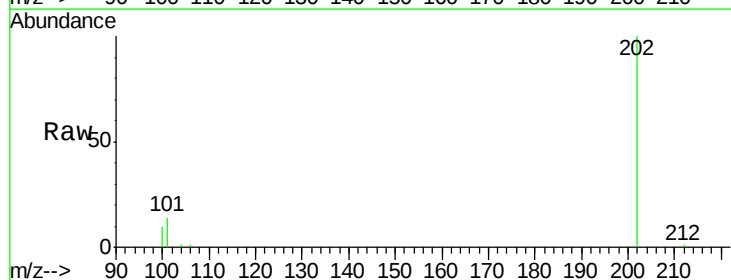
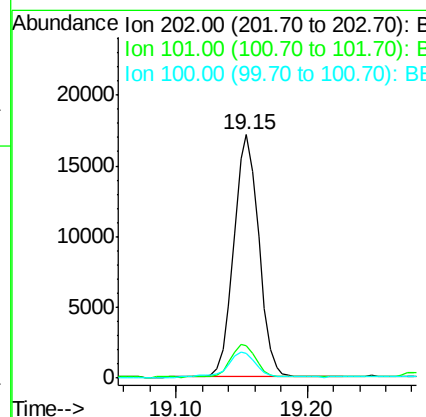
RT: 19.15 min Scan# 2719

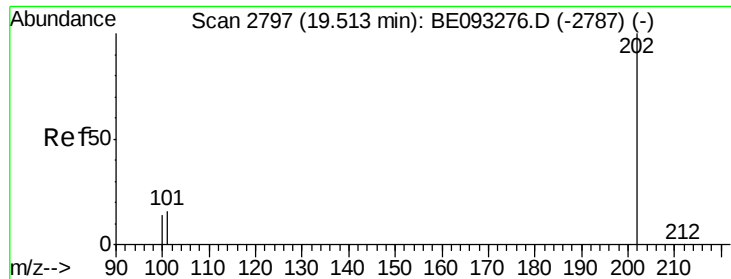
Delta R.T. -0.00 min

Lab File: BE093288.D

Acq: 20 Jun 2017 19:10

Tgt Ion:	202	Resp:	22650
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	30.3
100	10.2	0.0	39.5





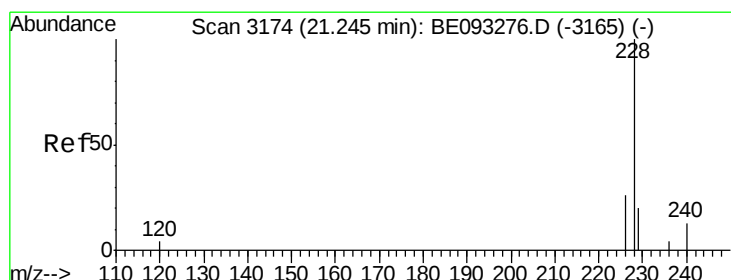
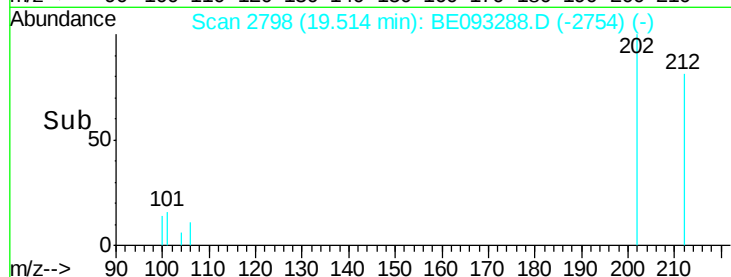
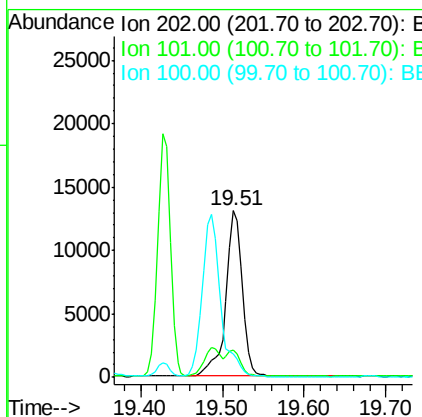
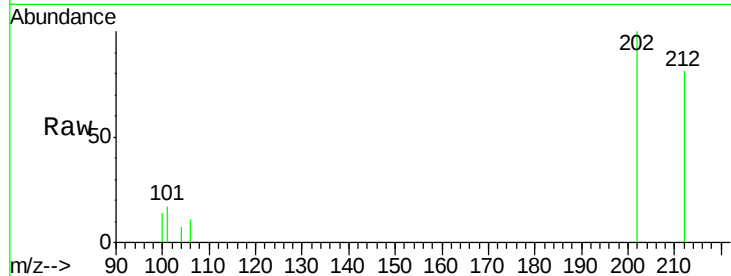
#17
Pyrene
 Concen: 0.475 ng/ul
 RT: 19.51 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BE093288.D
 Acq: 20 Jun 2017 19:10

Instrument :
 BNA_E
 ClientSampleId :
 F5A92

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	16.7	18.2	27.4#
100	14.3	15.6	23.4#

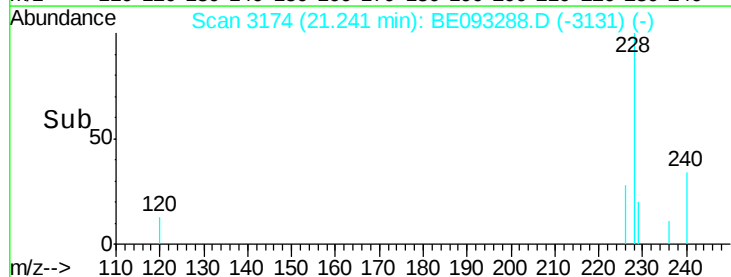
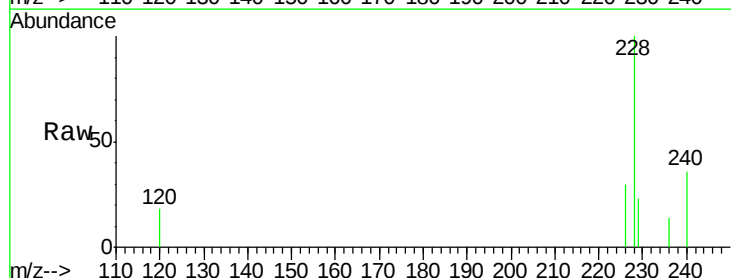
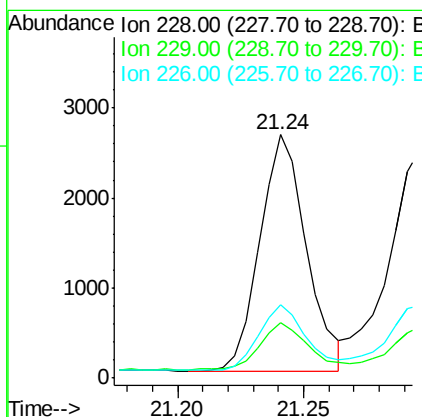
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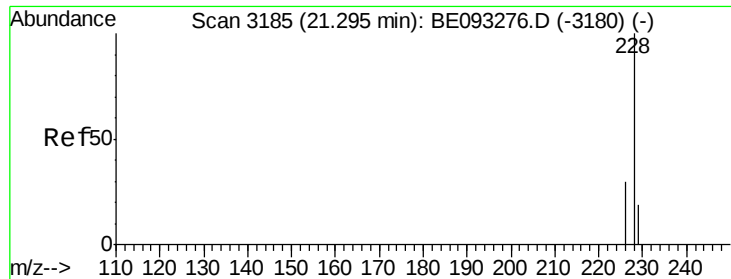
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#18
Benzo(a)anthracene
 Concen: 0.096 ng/ul
 RT: 21.24 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: BE093288.D
 Acq: 20 Jun 2017 19:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	22.9	22.8	34.2
226	30.1	17.0	25.6#





#19

Chrysene

Concen: 0.098 ng/ul

RT: 21.30 min Scan# 3186

Delta R.T. 0.00 min

Lab File: BE093288.D

Acq: 20 Jun 2017 19:10

Instrument :

BNA_E

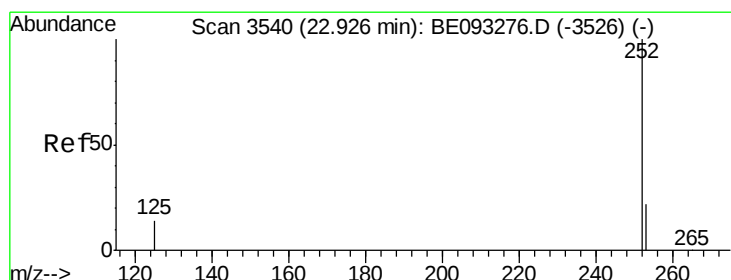
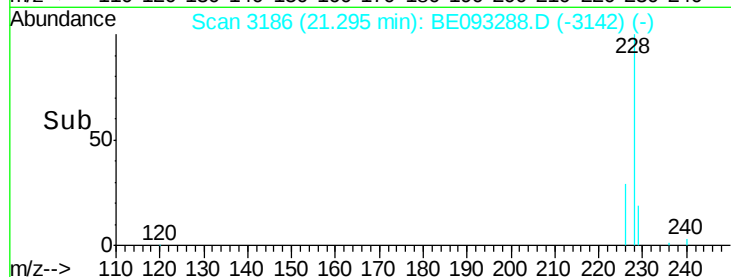
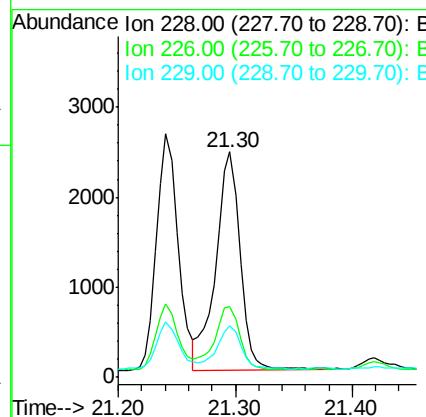
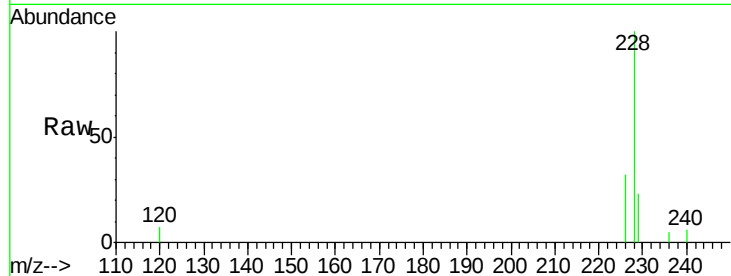
ClientSampleId :

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Tgt Ion:	228	Resp:	3544
Ion Ratio	Lower	Upper	
228	100		
226	31.6	23.4	35.0
229	22.7	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 0.073 ng/ul

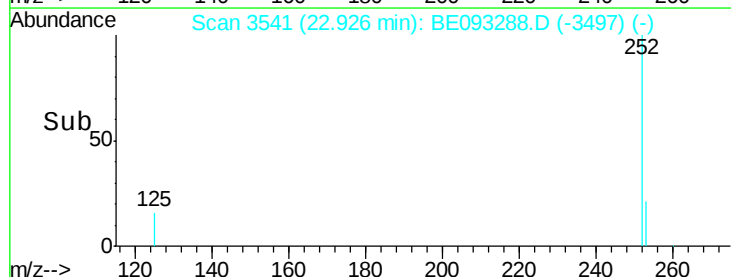
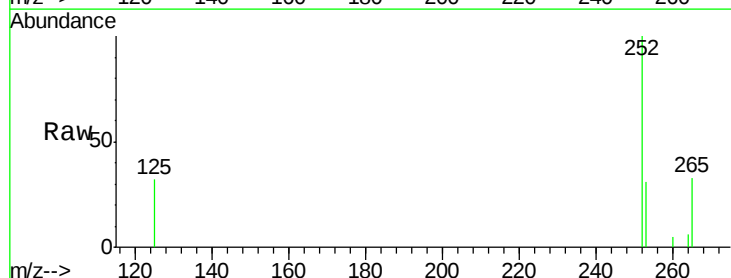
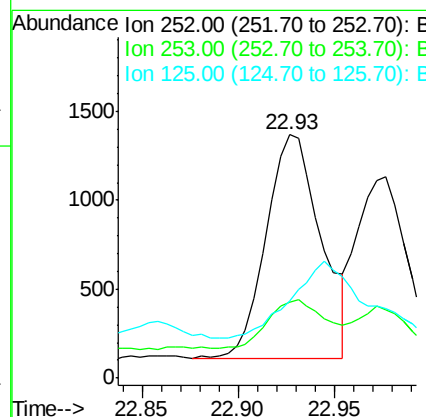
RT: 22.93 min Scan# 3541

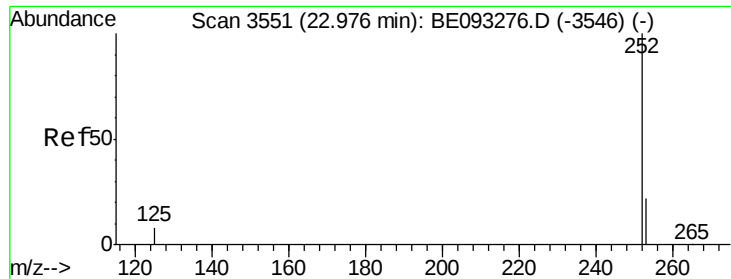
Delta R.T. 0.00 min

Lab File: BE093288.D

Acq: 20 Jun 2017 19:10

Tgt Ion:	252	Resp:	2505
Ion Ratio	Lower	Upper	
252	100		
253	31.0	0.0	64.2
125	31.9	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 0.051 ng/ul m

RT: 22.98 min Scan# 3552

Delta R.T. 0.00 min

Lab File: BE093288.D

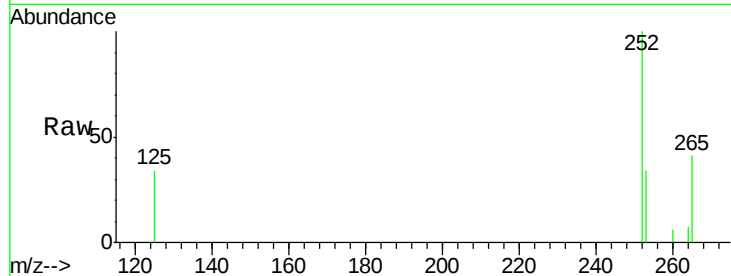
Acq: 20 Jun 2017 19:10

Instrument :

BNA_E

ClientSampleId :

F5A92



Tgt Ion: 252 Resp: 1878

Ion Ratio Lower Upper

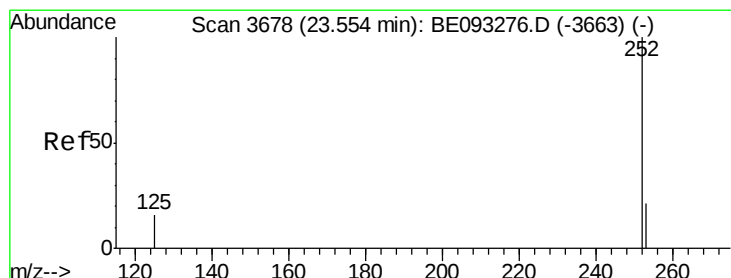
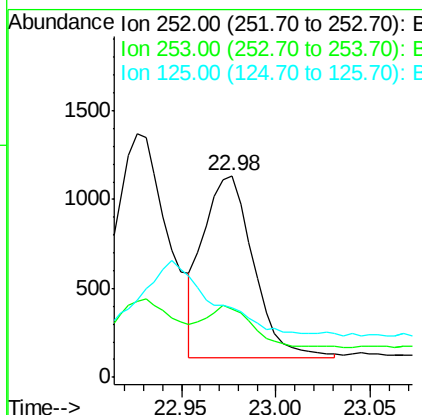
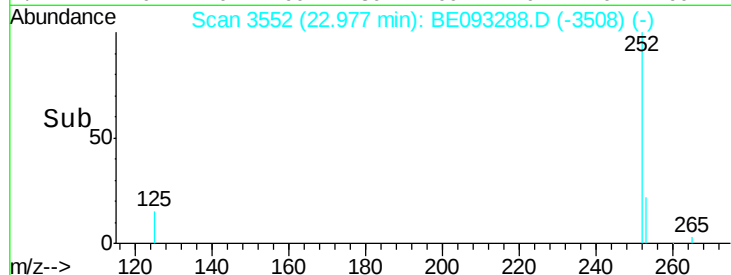
252 100

253 33.9 24.5 36.7

125 34.3 13.7 20.5#

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#23

Benzo(a)pyrene

Concen: 0.058 ng/ul m

RT: 23.55 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BE093288.D

Acq: 20 Jun 2017 19:10

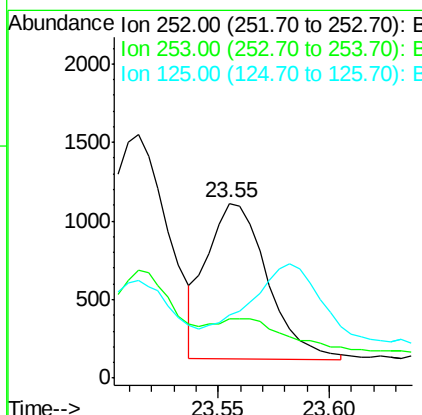
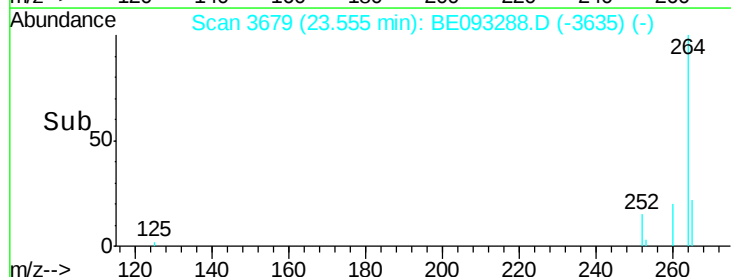
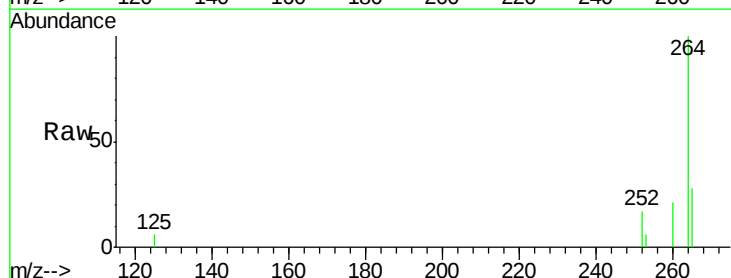
Tgt Ion: 252 Resp: 1878

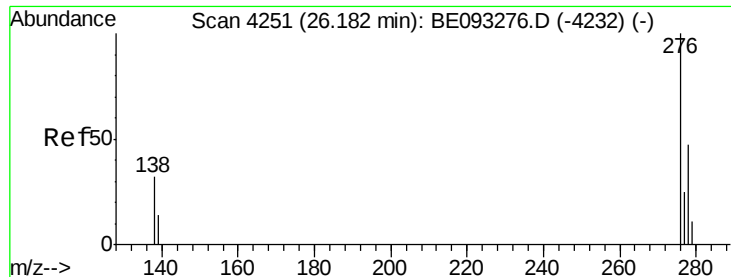
Ion Ratio Lower Upper

252 100

253 33.8 28.5 42.7

125 35.9 18.1 27.1#





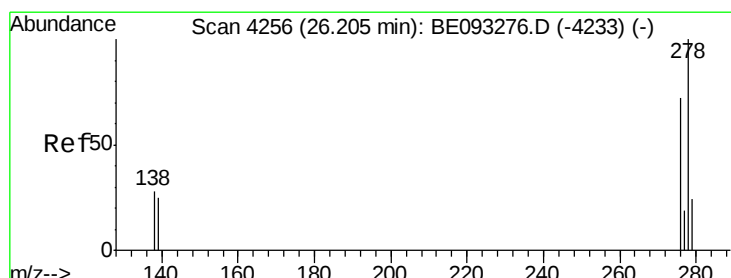
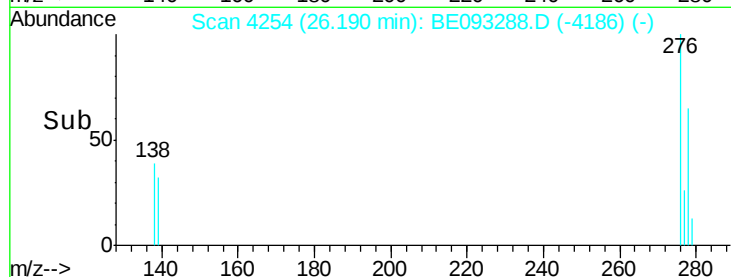
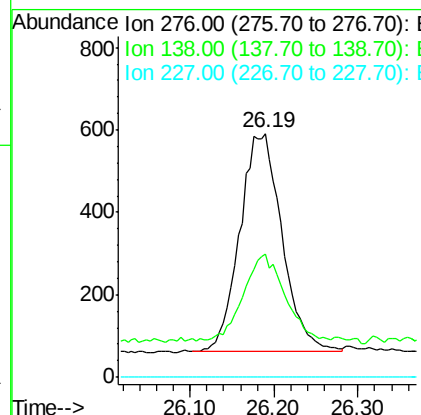
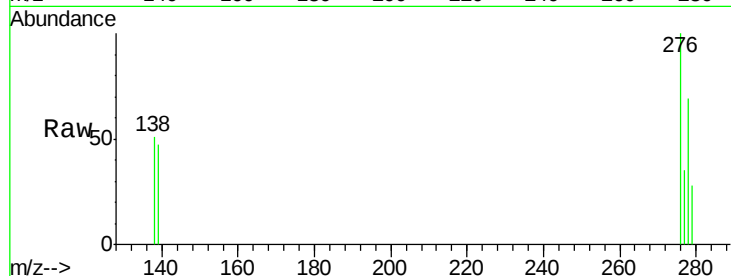
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.049 ng/u1
 RT: 26.19 min Scan# 4254
 Delta R.T. 0.01 min
 Lab File: BE093288.D
 Acq: 20 Jun 2017 19:10

Instrument :
 BNA_E
 ClientSampleId :
 F5A92

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	38.0	28.0	42.0
227	0.0	8.0	12.0

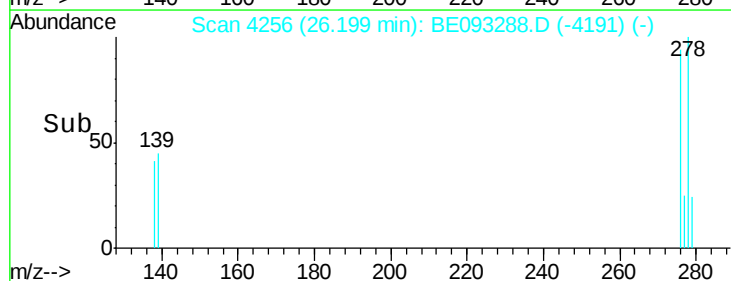
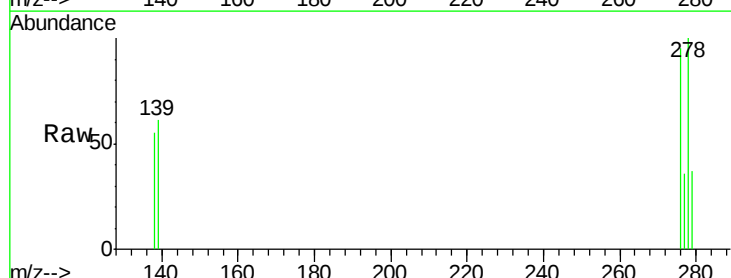
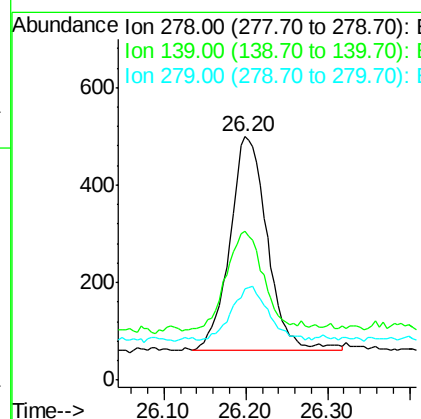
Manual Integrations
 APPROVED

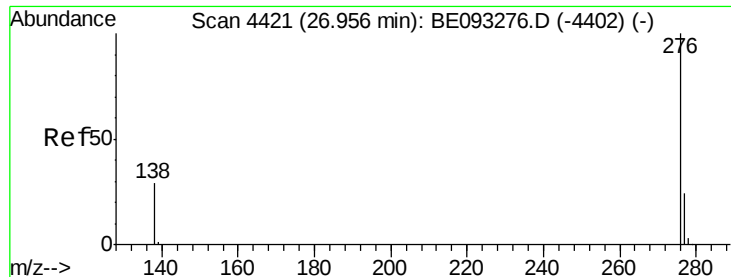
mohammad
 6/21/2017 12:18:34 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.044 ng/u1
 RT: 26.20 min Scan# 4256
 Delta R.T. -0.01 min
 Lab File: BE093288.D
 Acq: 20 Jun 2017 19:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	61.1	17.4	26.0
279	37.3	25.9	38.9





#26
Benzo(g,h,i)perylene
Concen: 0.050 ng/ul
RT: 26.95 min Scan# 4421
Delta R.T. -0.01 min
Lab File: BE093288.D
Acq: 20 Jun 2017 19:10

Instrument :
BNA_E
ClientSampleId :
F5A92

Tgt	Ion	Ratio	Lower	Upper
276	100			
138	41.2	21.8	32.8#	
277	34.7	20.5	30.7#	

Manual Integrations
APPROVED

mohammad
6/21/2017 12:18:34 PM

