

Data File : BE093366.D
Acq On : 24 Jun 2017 17:45
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTD0.425

Quant Time: Jun 26 01:15:37 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 26 01:13:30 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	1545	0.40	ng/ul	0.00
2) Naphthalene-d8	10.51	136	7813	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.36	164	4533	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.10	188	11803	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	13302	0.40	ng/ul	0.00
20) Perylene-d12	23.66	264	11243	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	4742	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.12	212	13195	0.41	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.56	128	7707	0.40	ng/ul#	92
5) 2-Methylnaphthalene	12.18	142	5515	0.42	ng/ul	98
7) Acenaphthylene	14.08	152	8346	0.43	ng/ul	97
8) Acenaphthene	14.42	153	6185	0.39	ng/ul	99
9) Fluorene	15.42	166	7123	0.39	ng/ul	96
11) Pentachlorophenol	16.76	266	821	0.47	ng/ul	98
12) Phenanthrene	17.14	178	12765	0.39	ng/ul#	91
13) Anthracene	17.22	178	12697	0.45	ng/ul#	91
15) Fluoranthene	19.15	202	15984	0.40	ng/ul	84
17) Pyrene	19.51	202	17284	0.44	ng/ul#	89
18) Benzo(a)anthracene	21.24	228	15357	0.43	ng/ul#	85
19) Chrysene	21.29	228	14327	0.39	ng/ul	98
21) Benzo(b)fluoranthene	22.92	252	14074	0.41	ng/ul	89
22) Benzo(k)fluoranthene	22.97	252	13664	0.38	ng/ul#	90
23) Benzo(a)pyrene	23.55	252	13297	0.41	ng/ul#	85
24) Indeno(1,2,3-cd)pyrene	26.18	276	15159	0.41	ng/ul#	93
25) Dibenzo(a,h)anthracene	26.20	278	12663	0.40	ng/ul#	86
26) Benzo(g,h,i)perylene	26.95	276	12511	0.39	ng/ul	96

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

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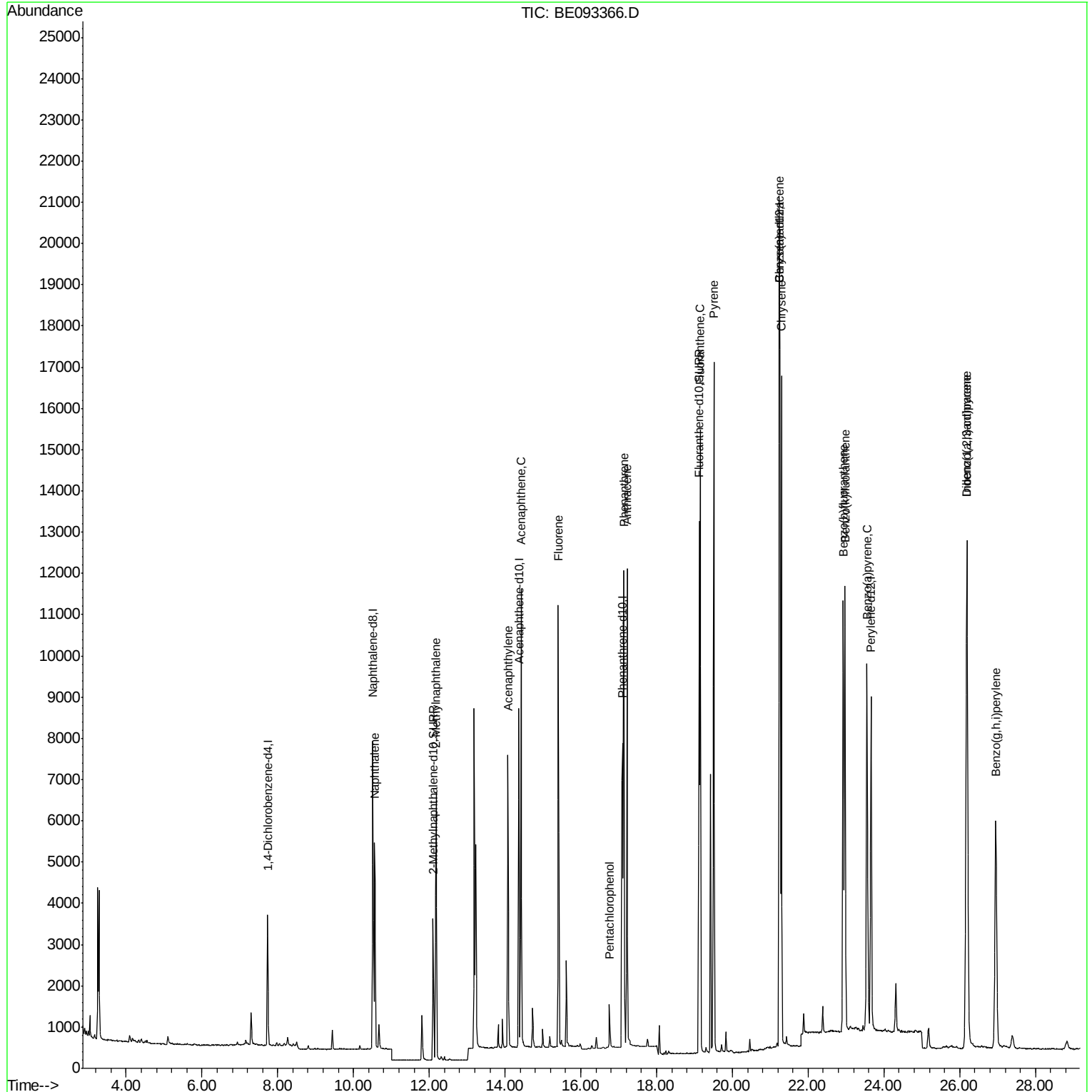
Quant Time: Jun 26 01:15:37 2017

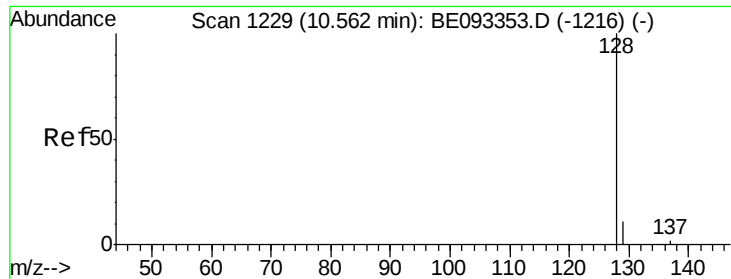
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.56 min Scan# 1228

Delta R.T. -0.00 min

Lab File: BE093366.D

Acq: 24 Jun 2017 17:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.425

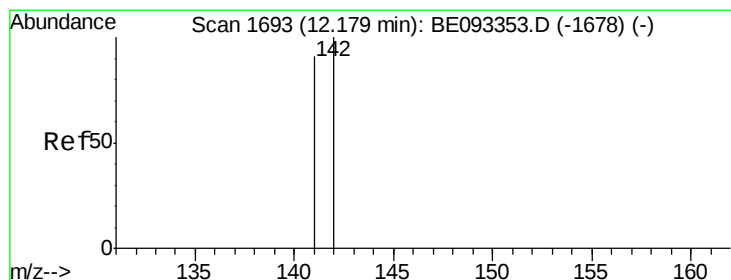
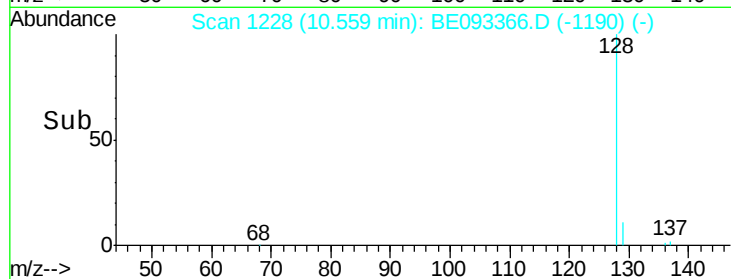
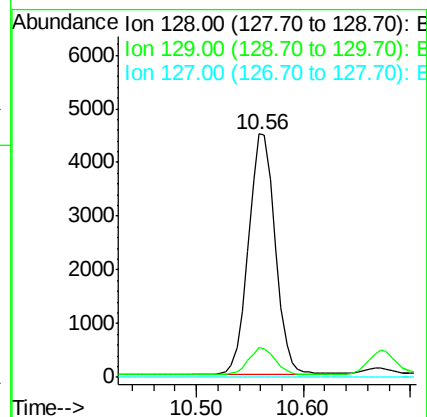
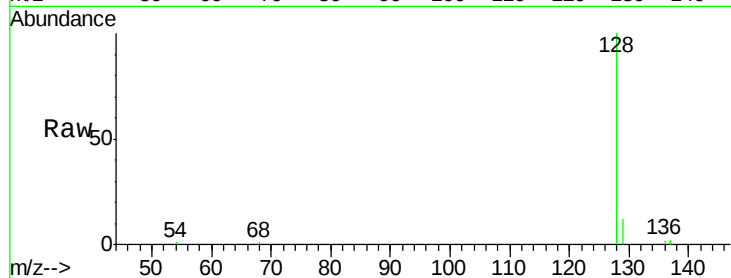
Tgt Ion:128 Resp: 7707

Ion Ratio Lower Upper

128 100

129 12.0 11.3 16.9

127 0.0 4.0 6.0#



#5

2-Methylnaphthalene

Concen: 0.42 ng/ul

RT: 12.18 min Scan# 1693

Delta R.T. -0.00 min

Lab File: BE093366.D

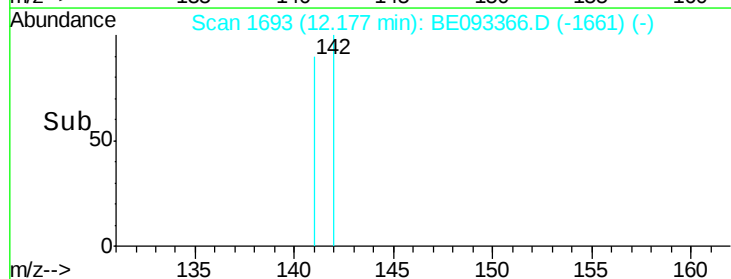
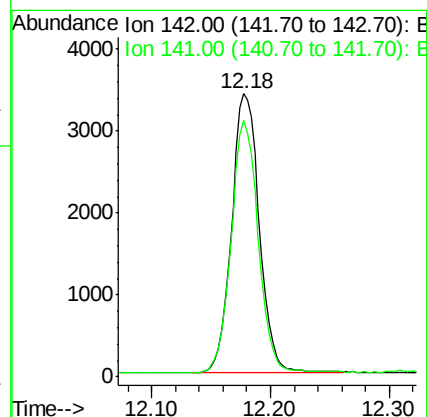
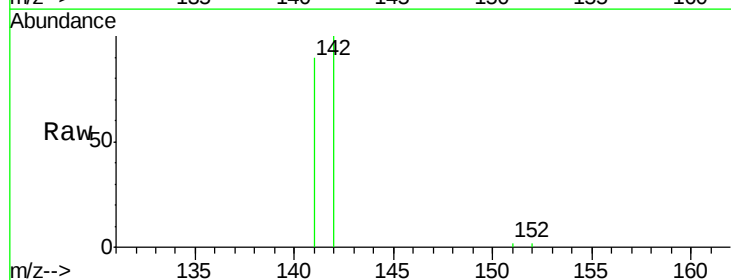
Acq: 24 Jun 2017 17:45

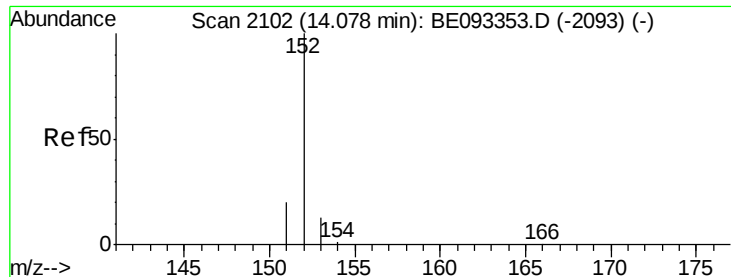
Tgt Ion:142 Resp: 5515

Ion Ratio Lower Upper

142 100

141 88.9 72.6 108.8





#7

Acenaphthylene

Concen: 0.43 ng/ul

RT: 14.08 min Scan# 2102

Delta R.T. -0.00 min

Lab File: BE093366.D

Acq: 24 Jun 2017 17:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.425

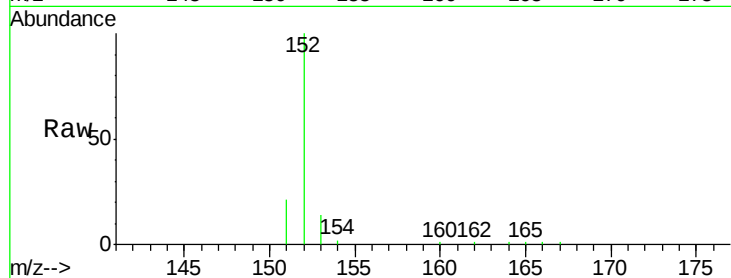
Tgt Ion:152 Resp: 8346

Ion Ratio Lower Upper

152 100

151 20.6 17.1 25.7

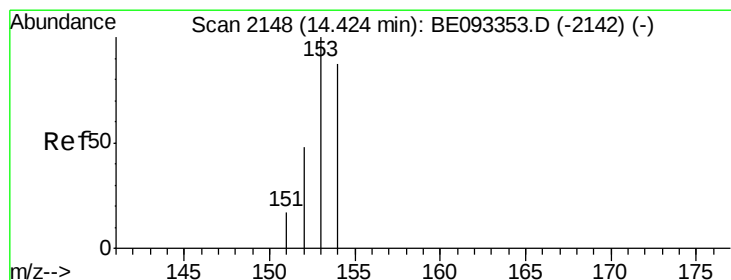
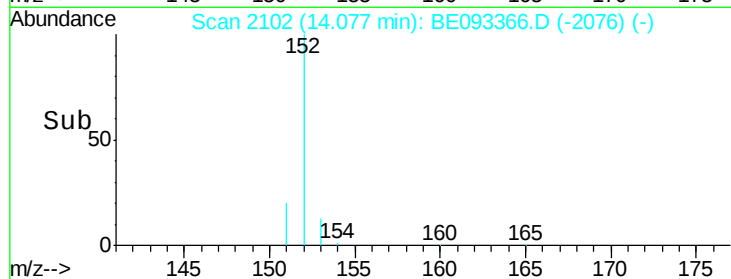
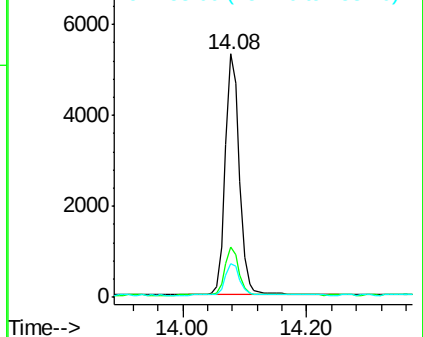
153 13.8 12.8 19.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#8

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.42 min Scan# 2148

Delta R.T. -0.00 min

Lab File: BE093366.D

Acq: 24 Jun 2017 17:45

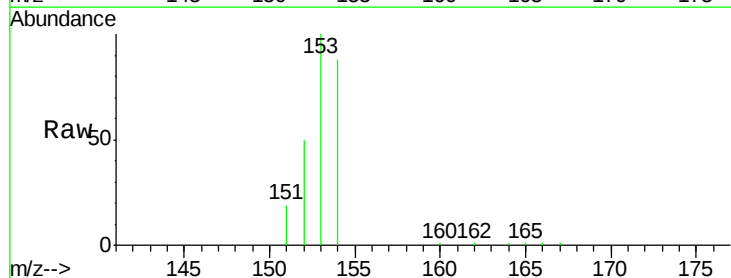
Tgt Ion:153 Resp: 6185

Ion Ratio Lower Upper

153 100

152 49.8 40.3 60.5

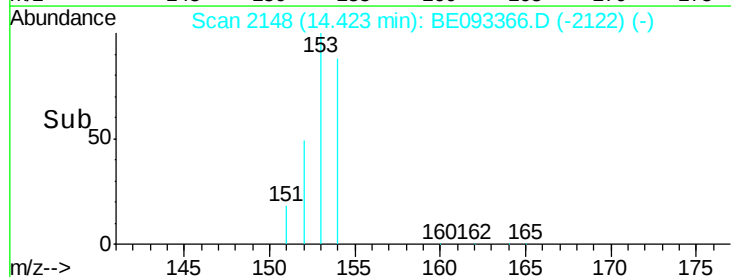
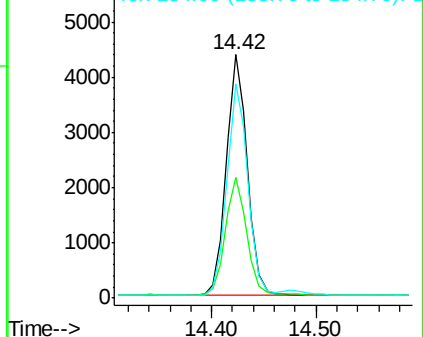
154 87.7 71.4 107.2

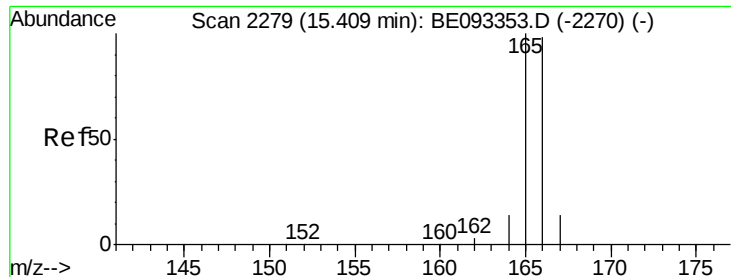


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.42 min Scan# 2280

Delta R.T. 0.01 min

Lab File: BE093366.D

Acq: 24 Jun 2017 17:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.425

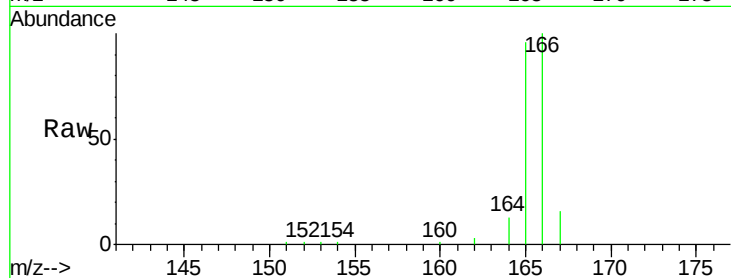
Tgt Ion:166 Resp: 7123

Ion Ratio Lower Upper

166 100

165 95.7 73.4 110.2

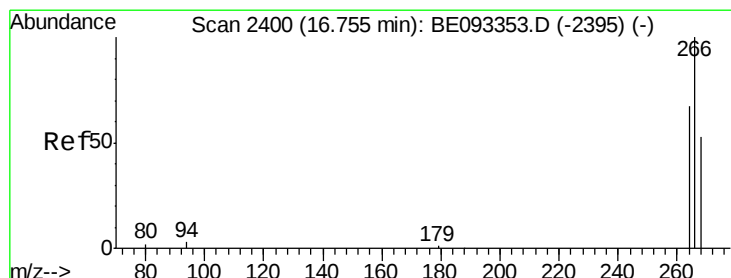
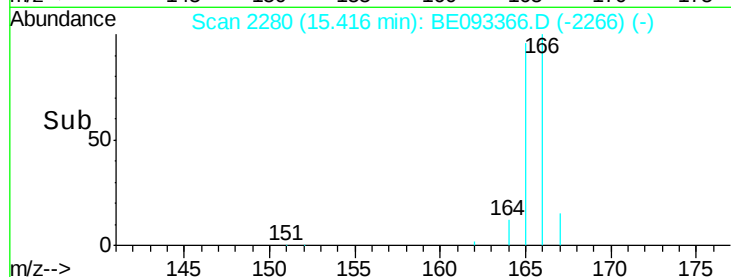
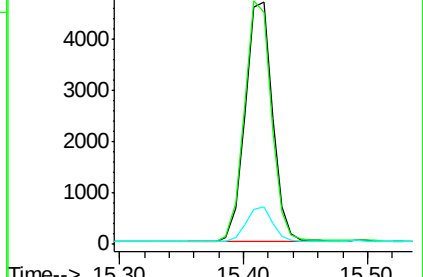
167 15.6 14.6 22.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.47 ng/ul

RT: 16.76 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BE093366.D

Acq: 24 Jun 2017 17:45

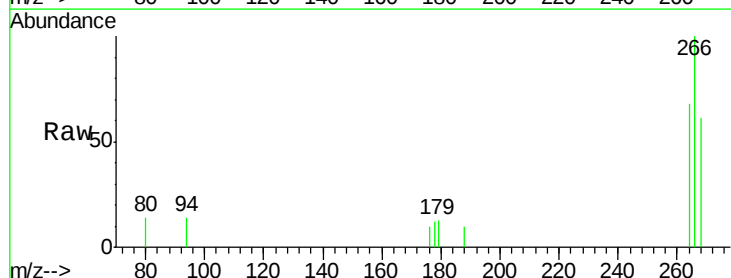
Tgt Ion:266 Resp: 821

Ion Ratio Lower Upper

266 100

264 62.2 47.9 71.9

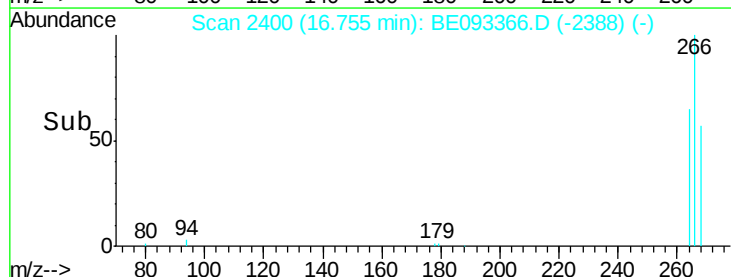
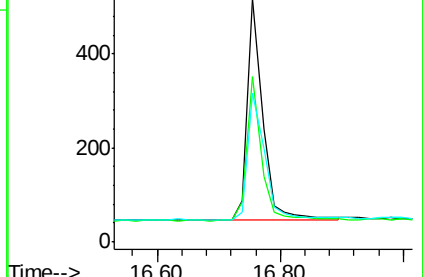
268 63.2 49.8 74.8

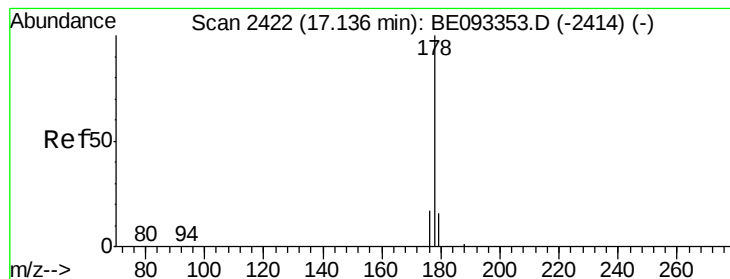


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.14 min Scan# 2422

Delta R.T. -0.00 min

Lab File: BE093366.D

Acq: 24 Jun 2017 17:45

Instrument :

BNA_E

ClientSampleId :

SSTD0.425

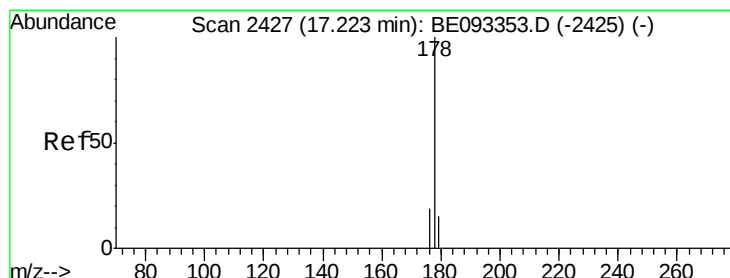
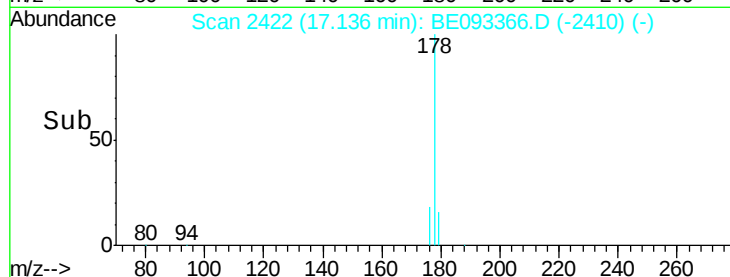
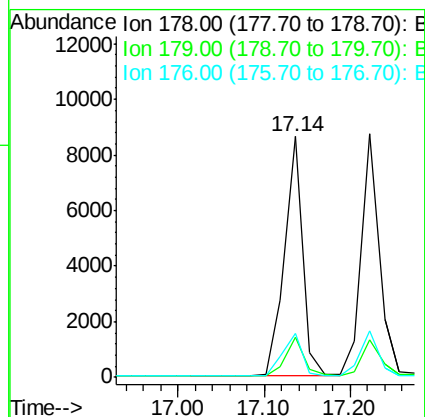
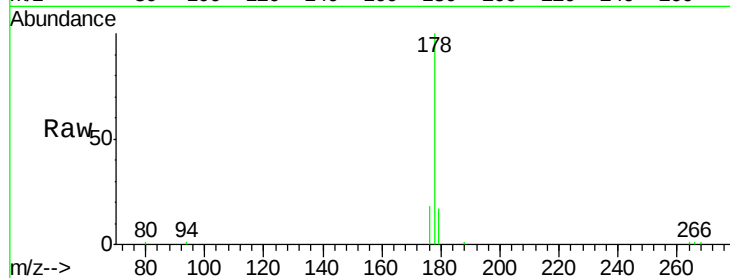
Tgt Ion:178 Resp: 12765

Ion Ratio Lower Upper

178 100

179 16.7 18.4 27.6#

176 18.2 13.6 20.4



#13

Anthracene

Concen: 0.45 ng/ul

RT: 17.22 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BE093366.D

Acq: 24 Jun 2017 17:45

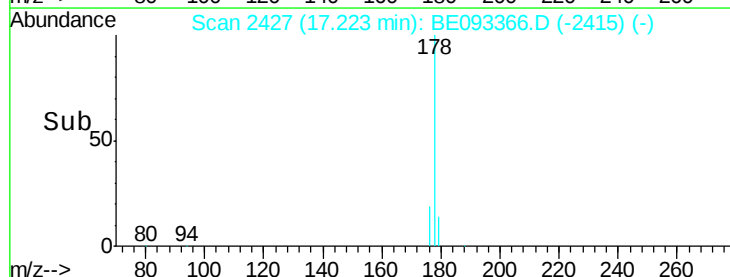
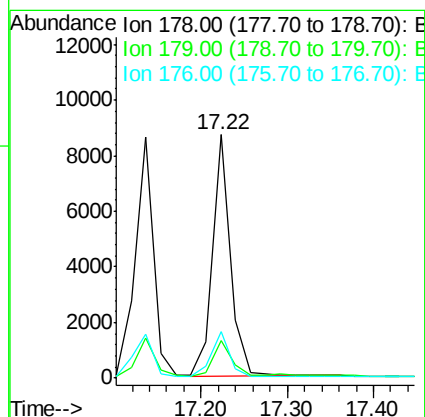
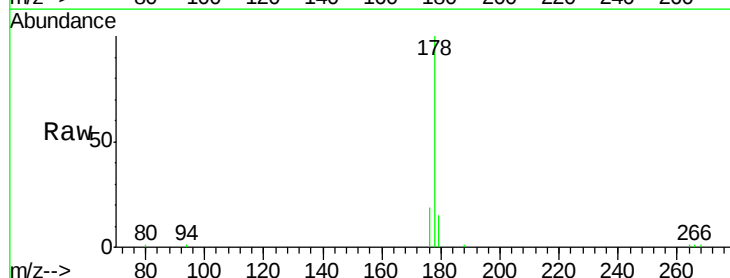
Tgt Ion:178 Resp: 12697

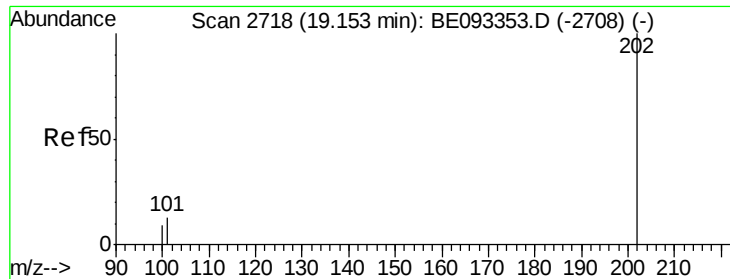
Ion Ratio Lower Upper

178 100

179 15.2 18.1 27.1#

176 19.3 14.7 22.1

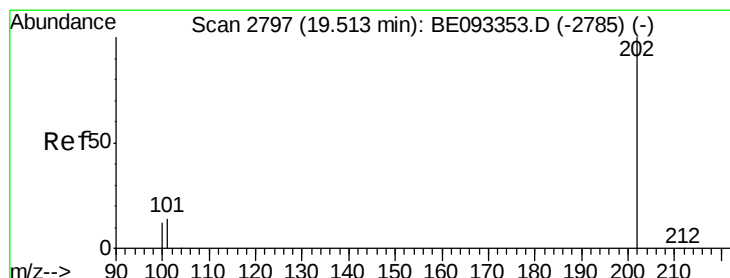
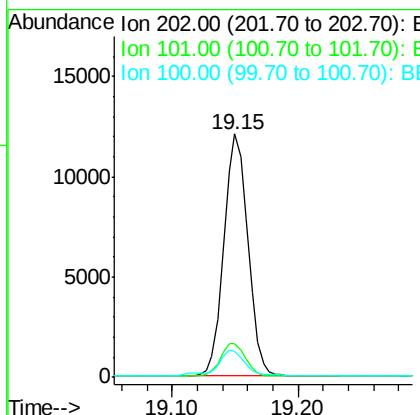
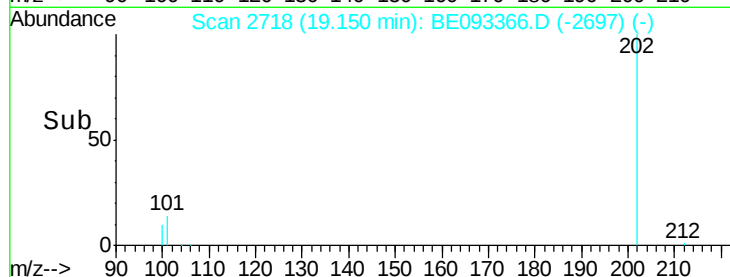
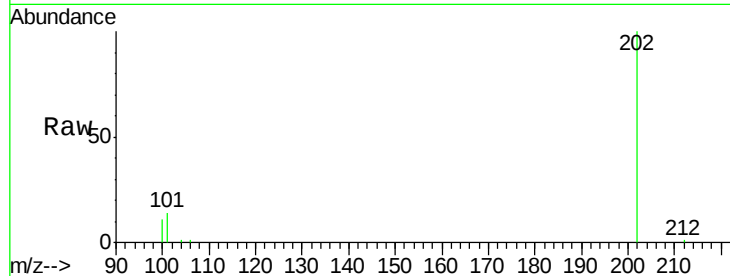




#15
Fluoranthene
Concen: 0.40 ng/ul
RT: 19.15 min Scan# 2718
Delta R.T. -0.00 min
Lab File: BE093366.D
Acq: 24 Jun 2017 17:45

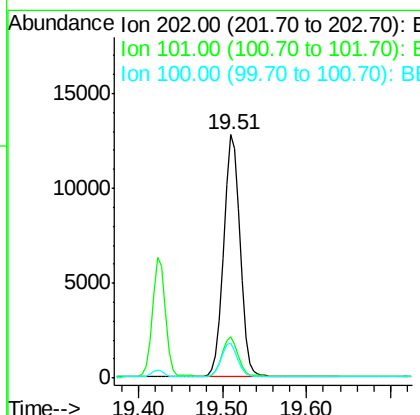
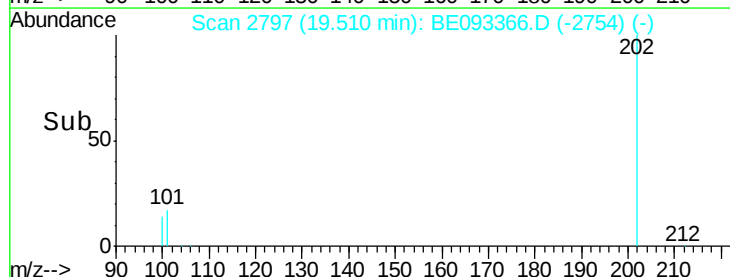
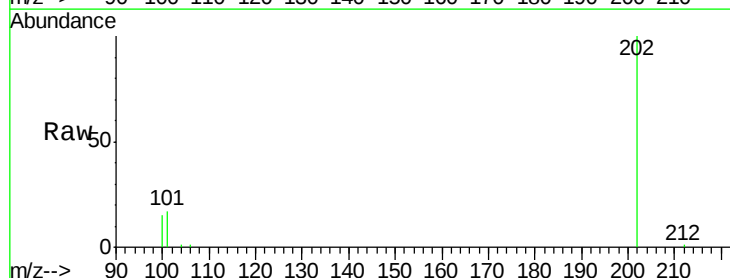
Instrument :
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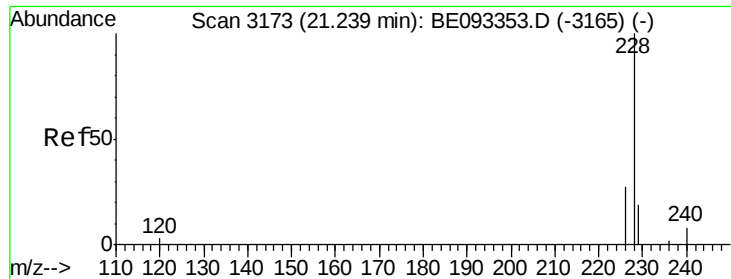
Tgt Ion:202 Resp: 15984
Ion Ratio Lower Upper
202 100
101 14.0 0.0 30.3
100 10.9 0.0 39.5



#17
Pyrene
Concen: 0.44 ng/ul
RT: 19.51 min Scan# 2797
Delta R.T. -0.00 min
Lab File: BE093366.D
Acq: 24 Jun 2017 17:45

Tgt Ion:202 Resp: 17284
Ion Ratio Lower Upper
202 100
101 17.1 18.2 27.4#
100 14.5 15.6 23.4#





#18

Benzo(a)anthracene

Concen: 0.43 ng/ul

RT: 21.24 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE093366.D

Acq: 24 Jun 2017 17:45

Instrument :

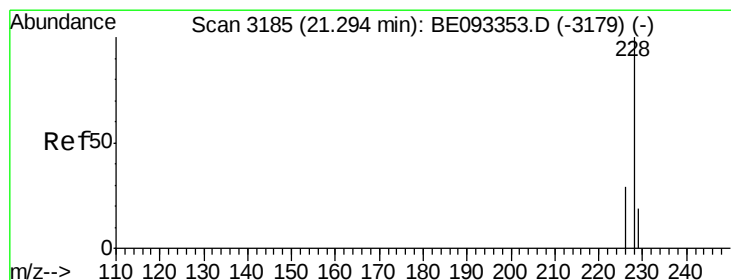
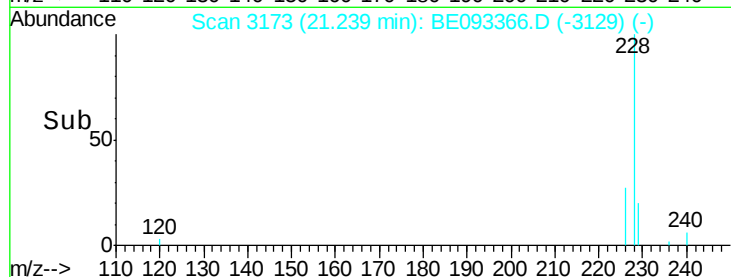
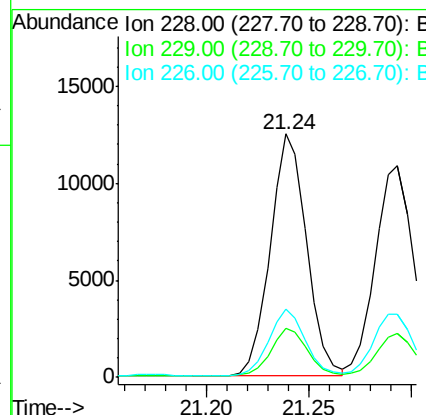
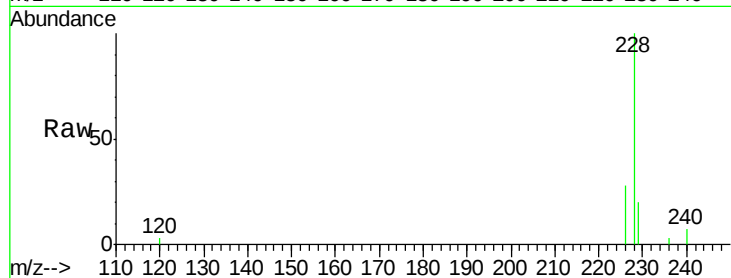
BNA_E

ClientSampleId :

SSTD0.425

Tgt Ion:228 Resp: 15357

Ion	Ratio	Lower	Upper
228	100		
229	20.2	22.8	34.2#
226	28.0	17.0	25.6#



#19

Chrysene

Concen: 0.39 ng/ul

RT: 21.29 min Scan# 3185

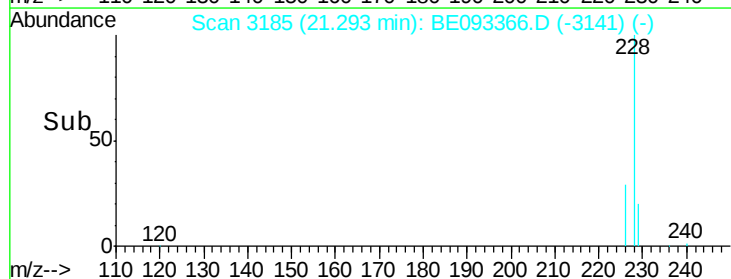
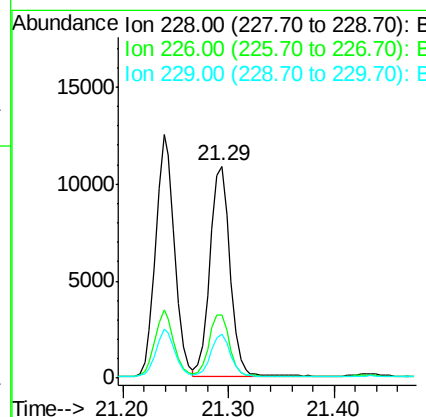
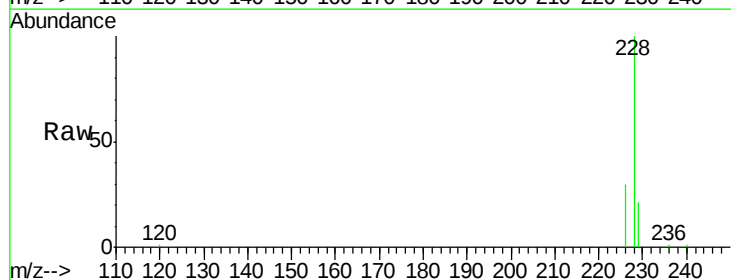
Delta R.T. -0.00 min

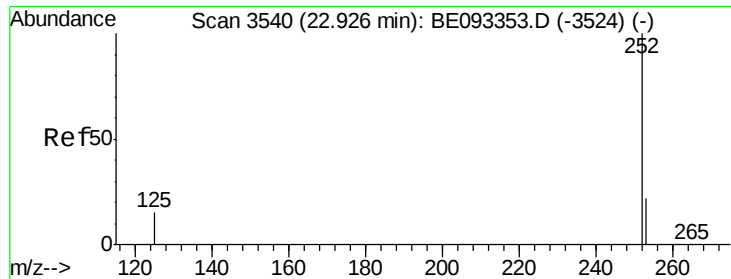
Lab File: BE093366.D

Acq: 24 Jun 2017 17:45

Tgt Ion:228 Resp: 14327

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.0
229	20.8	17.7	26.5





#21

Benzo(b)fluoranthene

Concen: 0.41 ng/u1

RT: 22.92 min Scan# 3539

Delta R.T. -0.00 min

Lab File: BE093366.D

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Instrument :

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ClientSampleId :

SSTD0.425

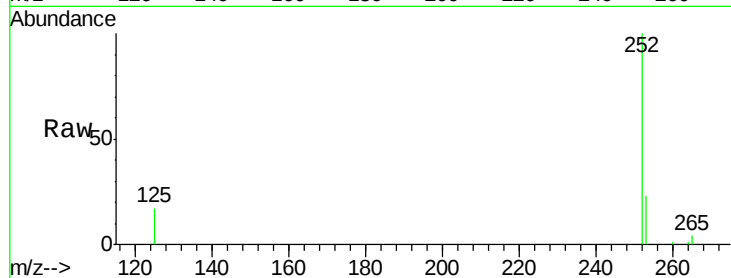
Tgt Ion:252 Resp: 14074

Ion Ratio Lower Upper

252 100

253 22.8 0.0 64.2

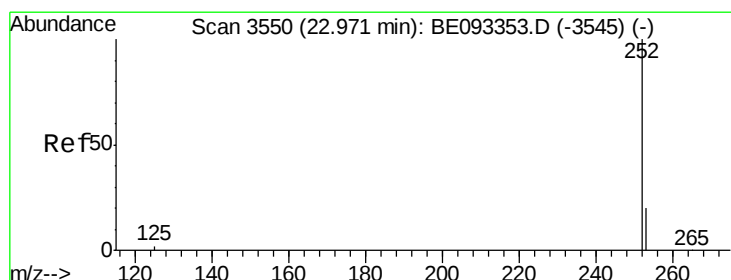
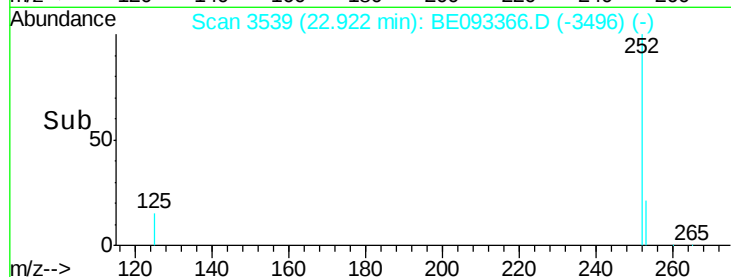
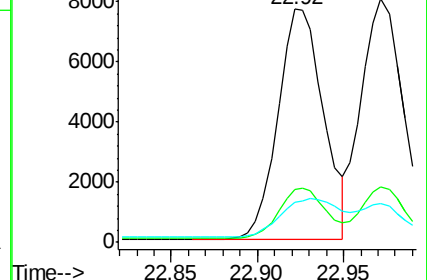
125 17.0 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.38 ng/u1

RT: 22.97 min Scan# 3550

Delta R.T. 0.00 min

Lab File: BE093366.D

Acq: 24 Jun 2017 17:45

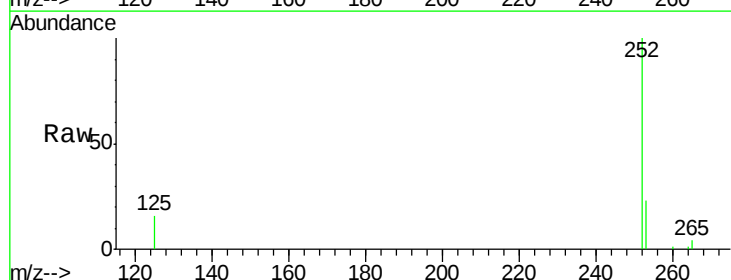
Tgt Ion:252 Resp: 13664

Ion Ratio Lower Upper

252 100

253 22.8 24.5 36.7#

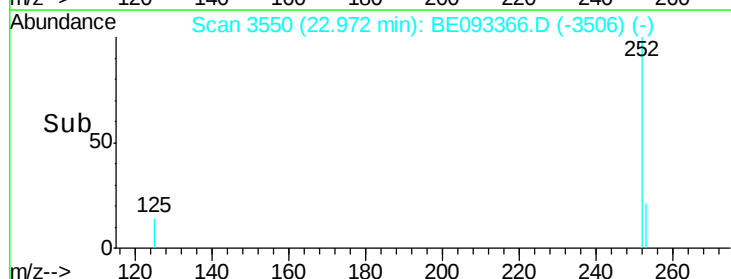
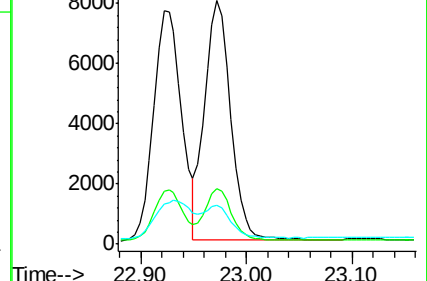
125 16.1 13.7 20.5

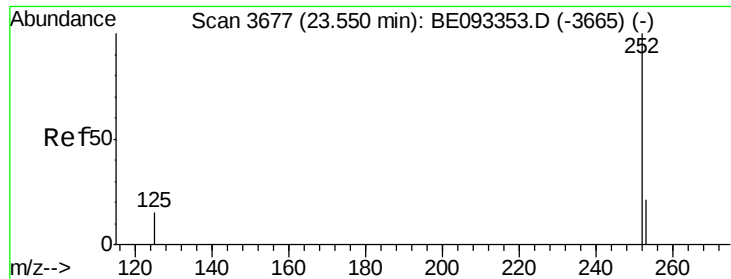


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 23.55 min Scan# 3678

Delta R.T. 0.01 min

Lab File: BE093366.D

Acq: 24 Jun 2017 17:45

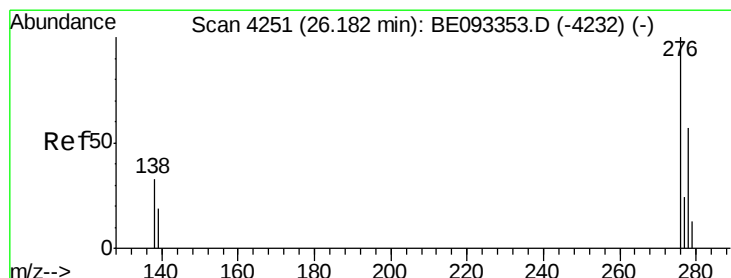
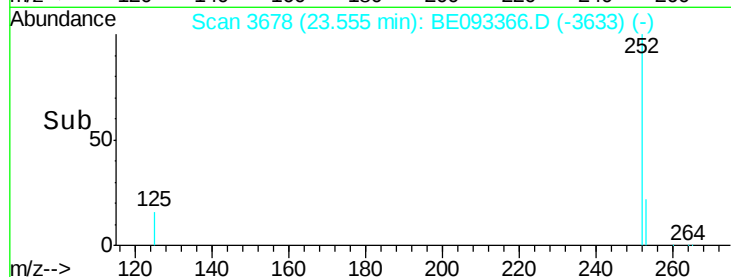
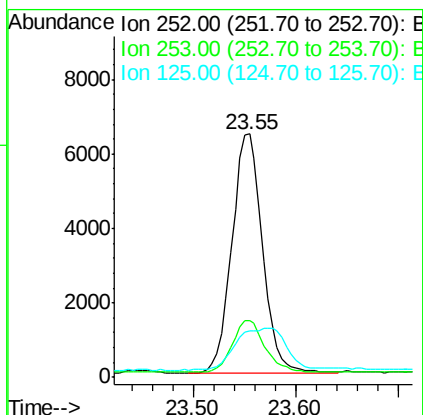
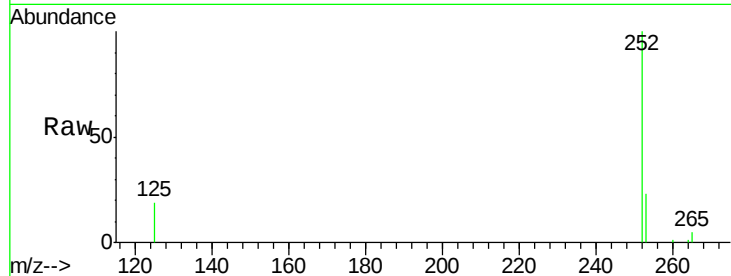
Instrument :

BNA_E

ClientSampleId :

SSTD0.425

Tgt Ion:	252	Resp:	13297
Ion	Ratio	Lower	Upper
252	100		
253	23.4	28.5	42.7#
125	19.3	18.1	27.1



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.41 ng/ul

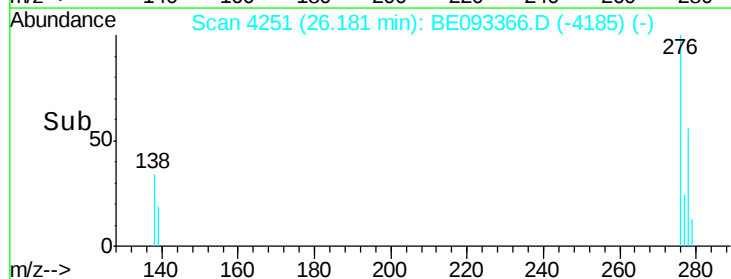
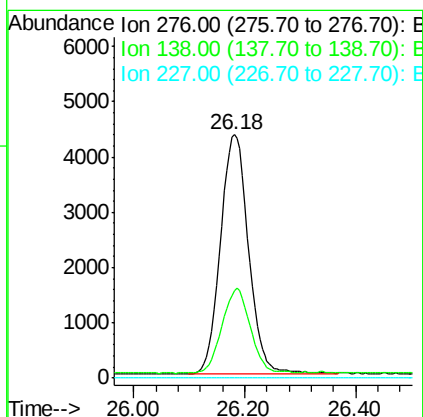
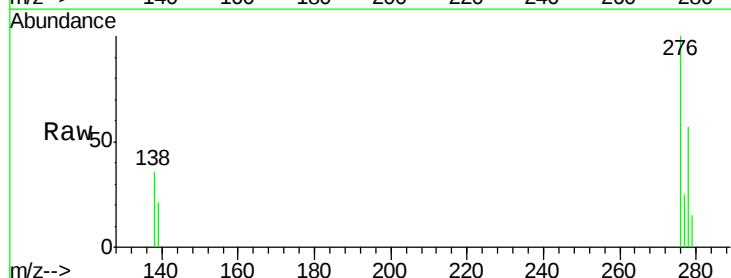
RT: 26.18 min Scan# 4251

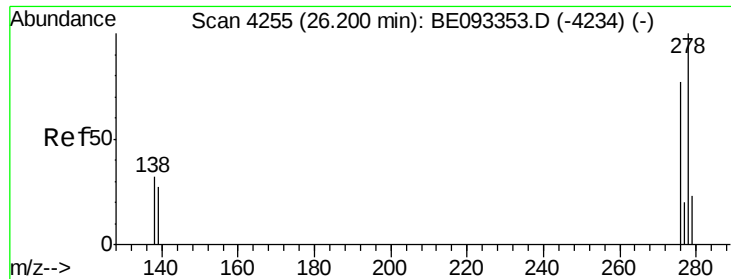
Delta R.T. -0.00 min

Lab File: BE093366.D

Acq: 24 Jun 2017 17:45

Tgt Ion:	276	Resp:	15159
Ion	Ratio	Lower	Upper
276	100		
138	35.4	28.0	42.0
227	0.0	8.0	12.0#

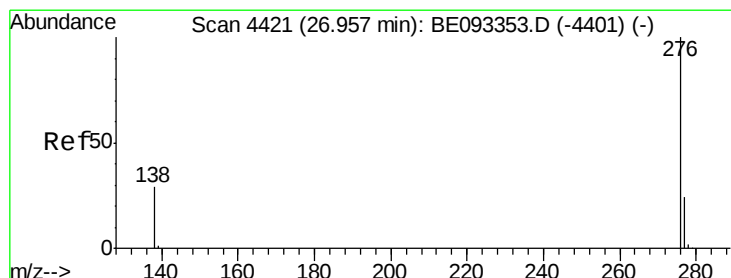
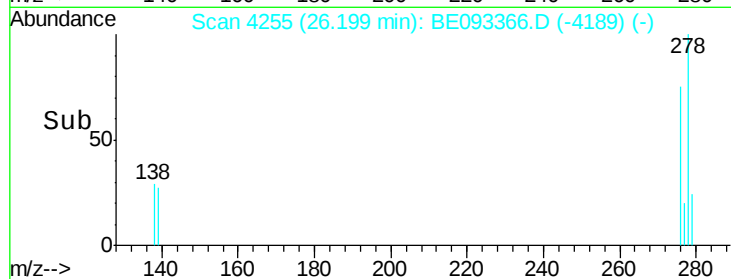
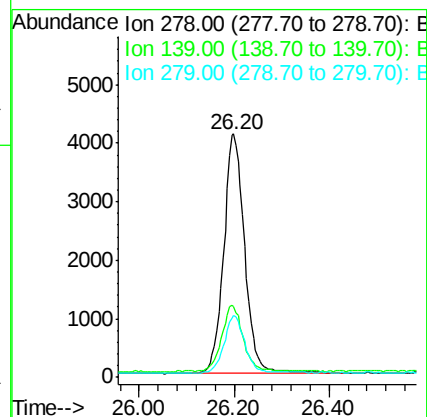
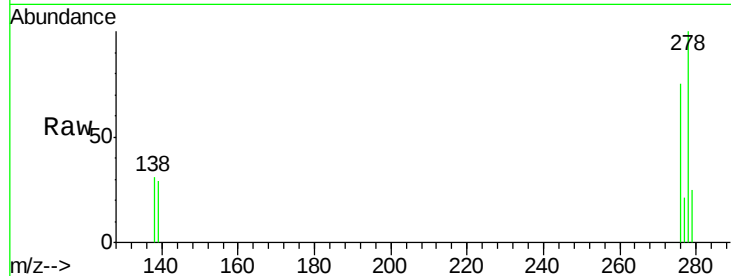




#25
Dibenzo(a,h)anthracene
Concen: 0.40 ng/ul
RT: 26.20 min Scan# 4255
Delta R.T. -0.00 min
Lab File: BE093366.D
Acq: 24 Jun 2017 17:45

Instrument :
BNA_E
ClientSampleId :
SSTD0.425

Tgt Ion: 278 Resp: 12663
Ion Ratio Lower Upper
278 100
139 28.8 17.4 26.0#
279 25.4 25.9 38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.39 ng/ul
RT: 26.95 min Scan# 4420
Delta R.T. -0.01 min
Lab File: BE093366.D
Acq: 24 Jun 2017 17:45

Tgt Ion: 276 Resp: 12511
Ion Ratio Lower Upper
276 100
138 30.7 21.8 32.8
277 24.9 20.5 30.7

