

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
 Data File : BE093784.D
 Acq On : 14 Aug 2017 11:21
 Operator : SJ/JU
 Sample : I4455-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AG0

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Quant Time: Aug 14 18:22:55 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 12 02:01:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2578	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	13312	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	7973	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	17757	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	19243	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	19969	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.29	152	6098	0.28	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	18281	0.33	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Fluorene	15.57	166	798	0.024	ng/ul#	91
12) Phenanthrene	17.29	178	5543	0.115	ng/ul#	91
13) Anthracene	17.38	178	2128	0.045	ng/ul#	86
15) Fluoranthene	19.30	202	14969	0.248	ng/ul	84
17) Pyrene	19.66	202	14765	0.263	ng/ul#	83
18) Benzo(a)anthracene	21.39	228	9120	0.163	ng/ul#	87
19) Chrysene	21.45	228	8681	0.162	ng/ul	97
21) Benzo(b)fluoranthene	23.14	252	10690m	0.173	ng/ul	
22) Benzo(k)fluoranthene	23.19	252	4406m	0.072	ng/ul	
23) Benzo(a)pyrene	23.80	252	8168	0.139	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	26.55	276	4594	0.071	ng/ul#	86
25) Dibenzo(a,h)anthracene	26.56	278	1299	0.024	ng/ul#	65
26) Benzo(g,h,i)perylene	27.37	276	3669	0.067	ng/ul#	90

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

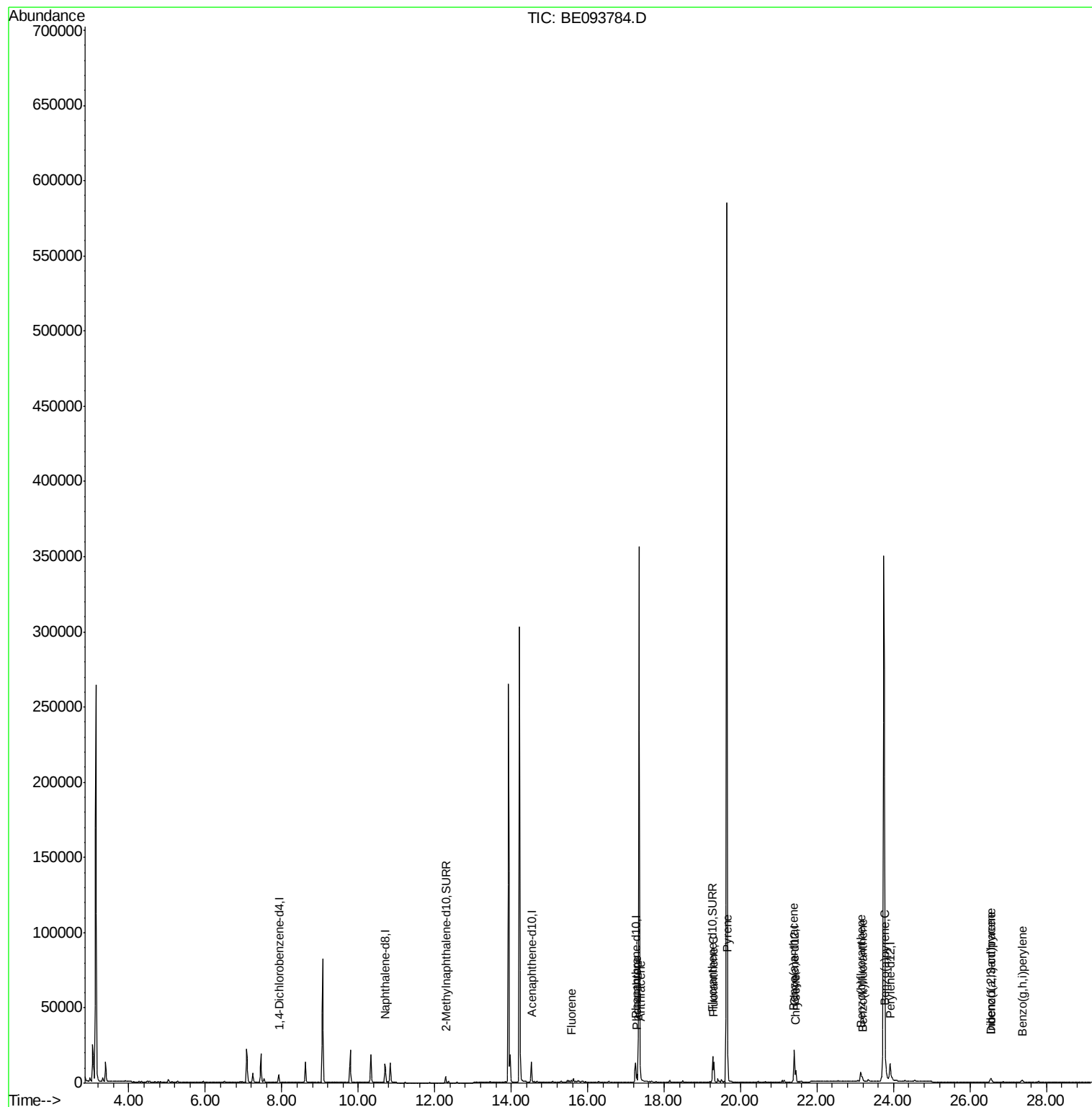
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081417\
Data File : BE093784.D
Acq On : 14 Aug 2017 11:21
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Sample : I4455-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

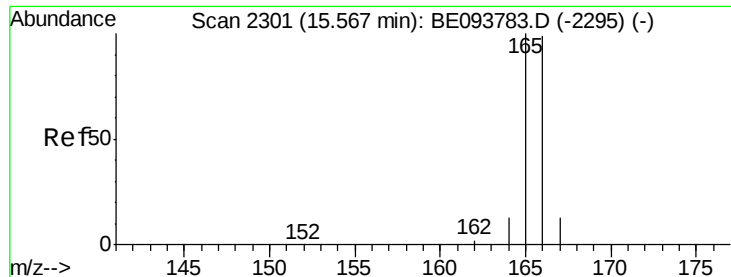
Instrument :
BNA_E
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 12 02:01:53 2017
Response via : Initial Calibration





#9

Fluorene

Concen: 0.024 ng/ul

RT: 15.57 min Scan# 2300

Delta R.T. 0.01 min

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Acq: 14 Aug 2017 11:21

Instrument :

BNA_E

ClientSampleId :

C0AG0

Tgt Ion:166 Resp: 798

Ion Ratio Lower Upper

166 100

165 99.7 73.4 110.2

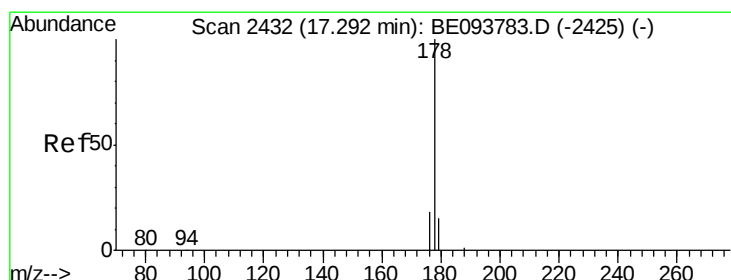
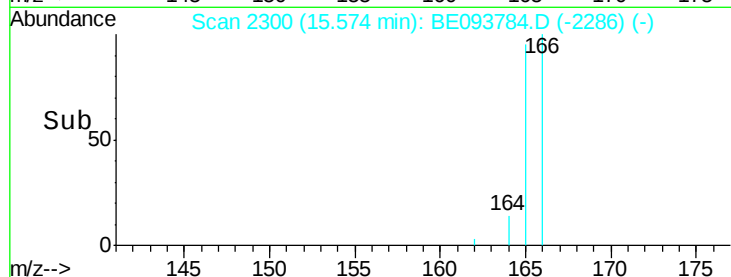
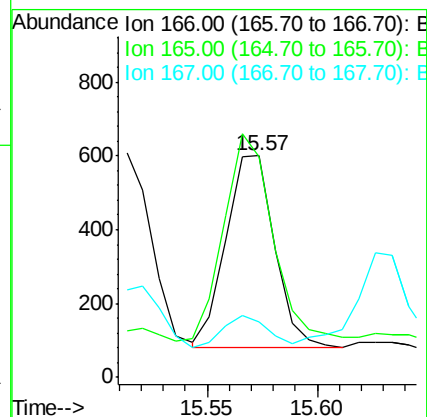
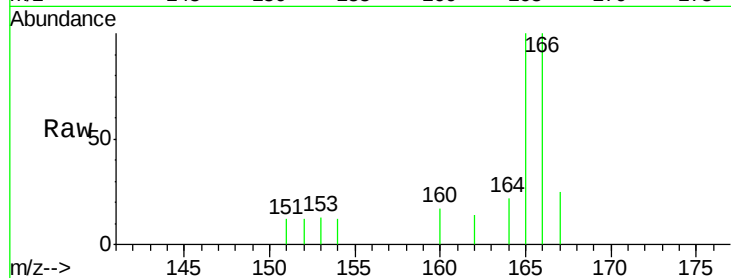
167 25.2 14.6 22.0#

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#12

Phenanthrene

Concen: 0.115 ng/ul

RT: 17.29 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BE093784.D

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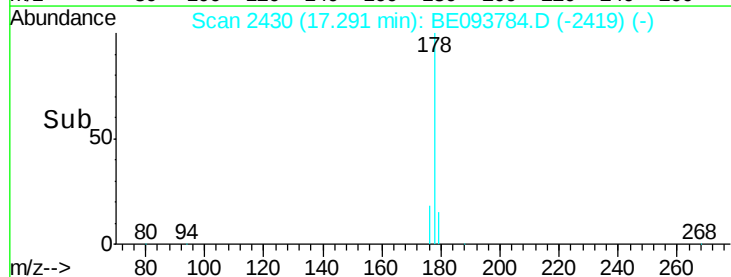
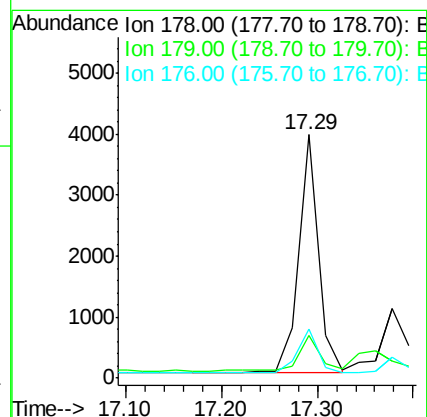
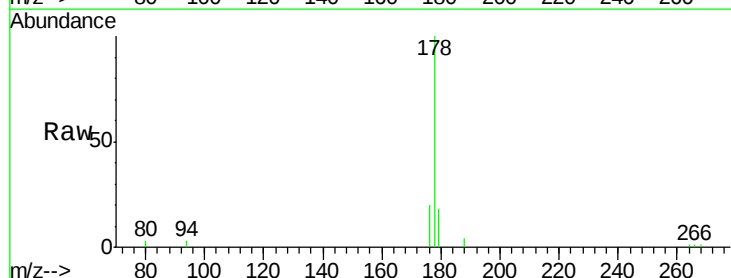
Tgt Ion:178 Resp: 5543

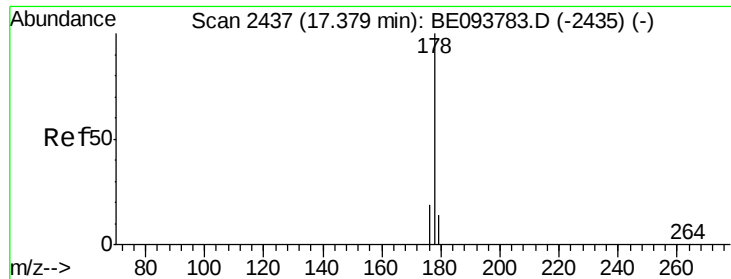
Ion Ratio Lower Upper

178 100

179 17.8 18.4 27.6#

176 19.9 13.6 20.4





#13

Anthracene

Concen: 0.045 ng/ul

RT: 17.38 min Scan# 2435

Delta R.T. -0.00 min

Lab File: BE093784.D

Acq: 14 Aug 2017 11:21

Instrument :

BNA_E

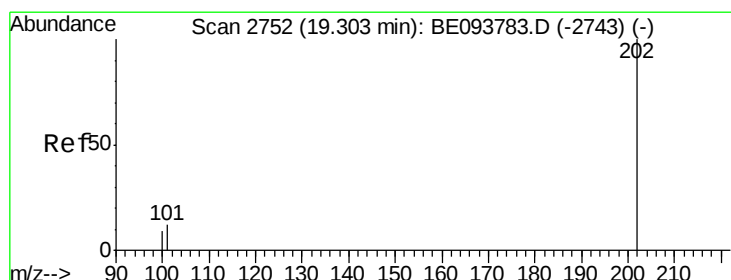
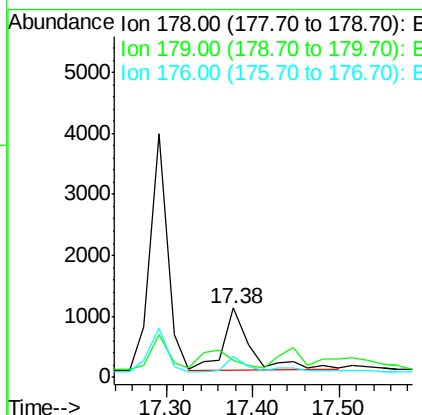
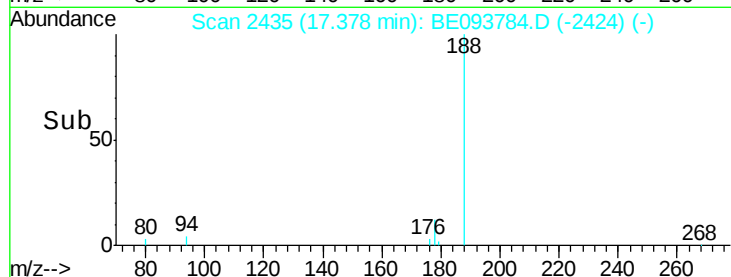
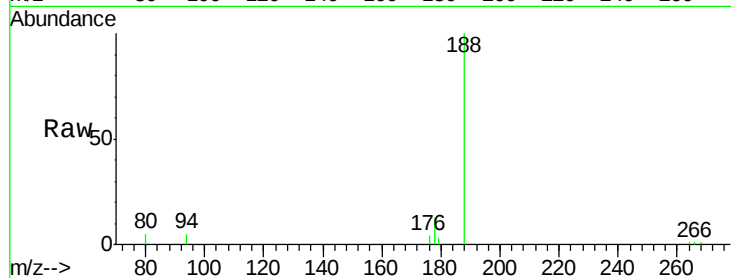
ClientSampled :

C0AG0

Tgt Ion:	178	Resp:	2128
Ion Ratio	Lower	Upper	
178	100		
179	24.6	18.1	27.1
176	30.5	14.7	22.1#

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#15

Fluoranthene

Concen: 0.248 ng/ul

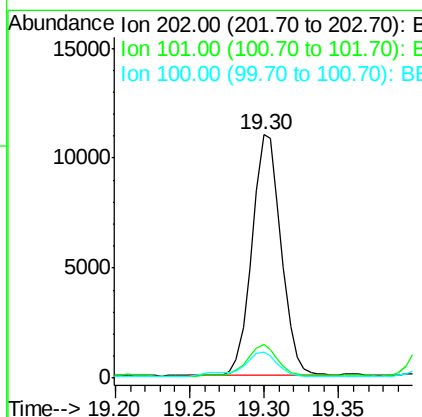
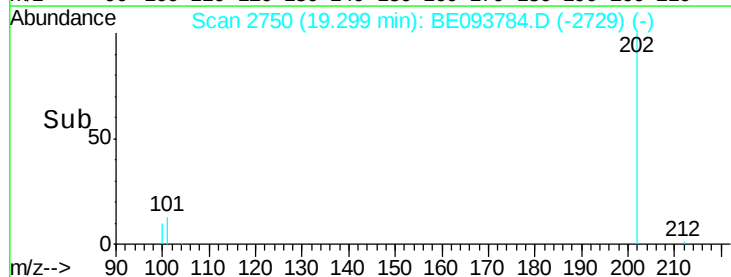
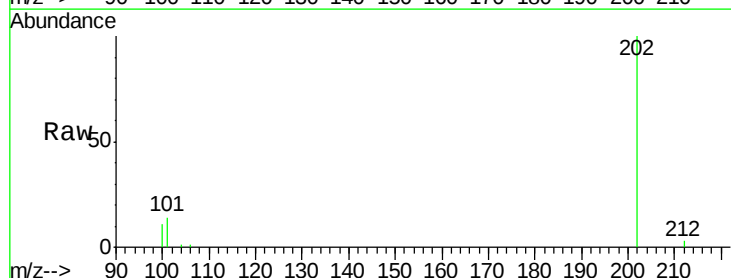
RT: 19.30 min Scan# 2750

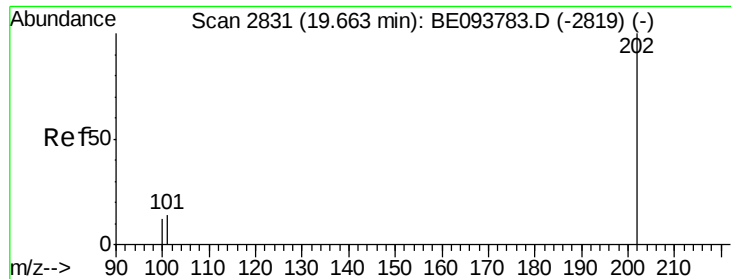
Delta R.T. -0.00 min

Lab File: BE093784.D

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Tgt Ion:	202	Resp:	14969
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	30.3
100	10.8	0.0	39.5





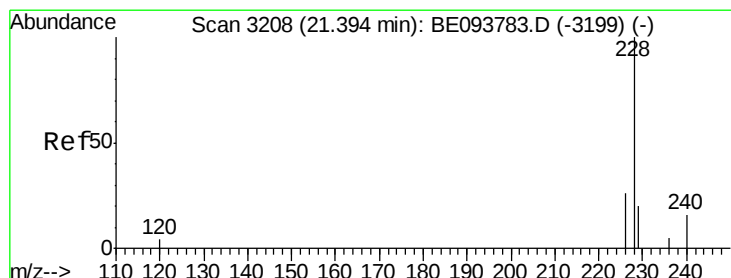
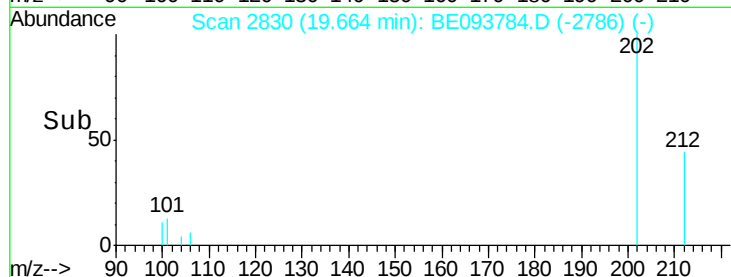
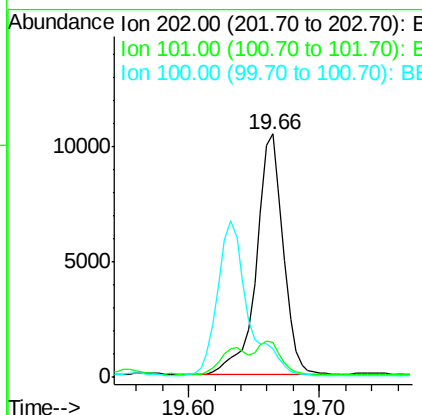
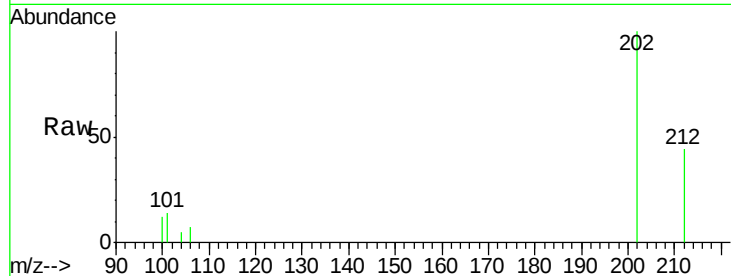
#17
Pyrene
Concen: 0.263 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. 0.00 min
Lab File: BE093784.D
Acq: 14 Aug 2017 11:21

Instrument :
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ClientSampled :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.3	18.2	27.4#
100	11.8	15.6	23.4#

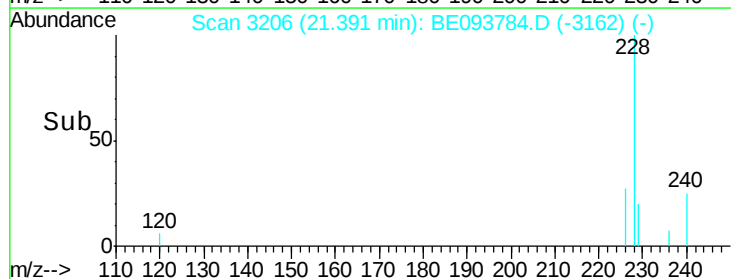
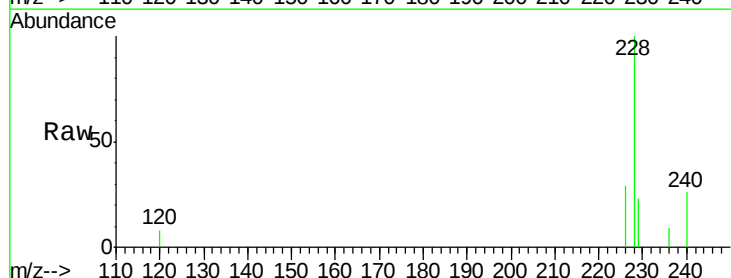
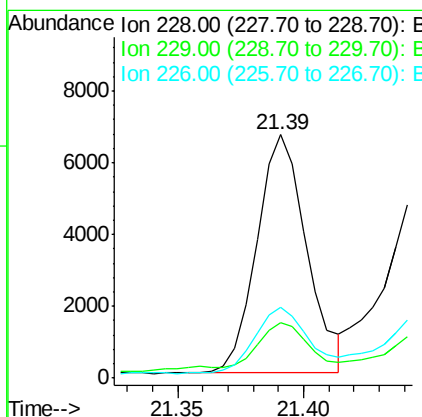
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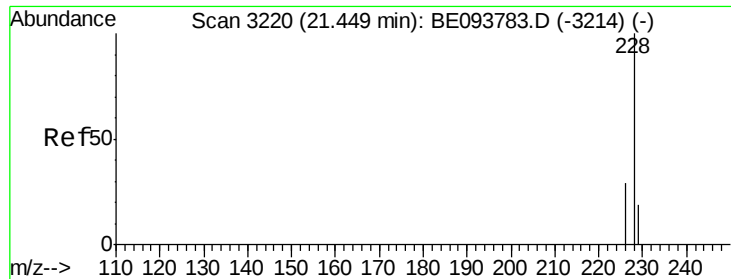
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#18
Benzo(a)anthracene
Concen: 0.163 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. 0.00 min
Lab File: BE093784.D
Acq: 14 Aug 2017 11:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
229	23.0	22.8	34.2
226	29.3	17.0	25.6#





#19

Chrysene

Concen: 0.162 ng/ul

RT: 21.45 min Scan# 3218

Delta R.T. 0.00 min

Lab File: BE093784.D

Acq: 14 Aug 2017 11:21

Instrument :

BNA_E

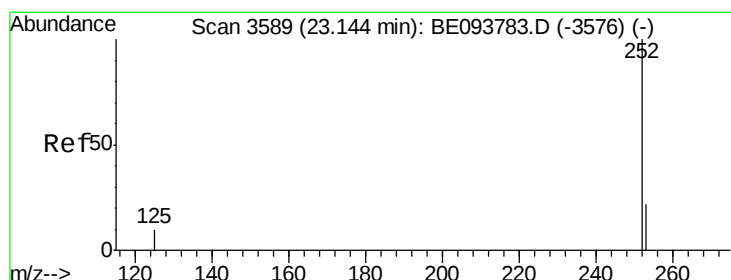
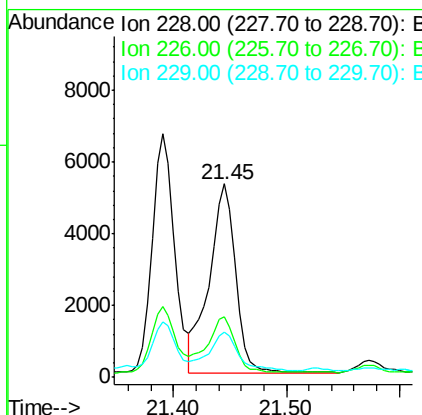
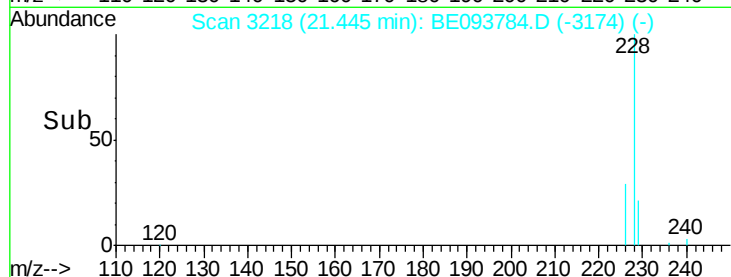
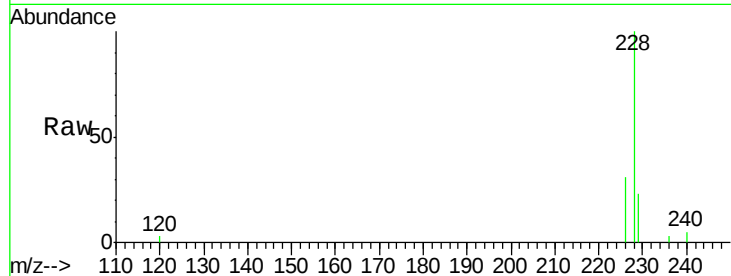
ClientSampleId :

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Tgt Ion:	228	Resp:	8681
Ion Ratio	Lower	Upper	
228	100		
226	31.1	23.4	35.0
229	23.2	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 0.173 ng/ul m

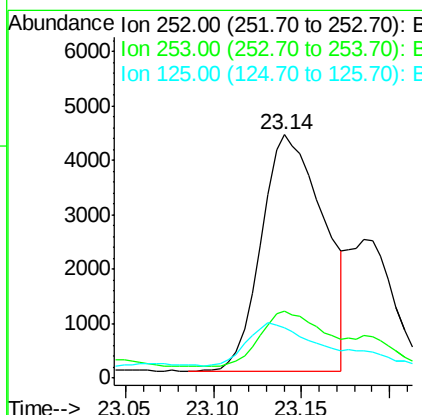
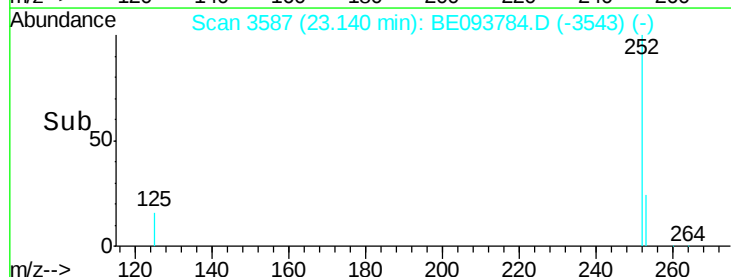
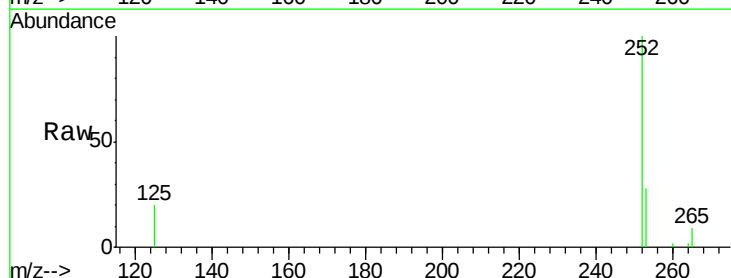
RT: 23.14 min Scan# 3587

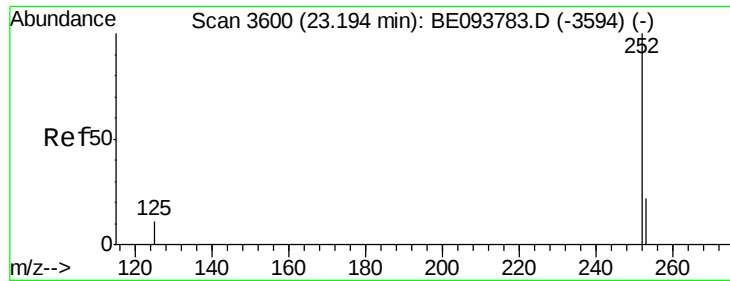
Delta R.T. 0.00 min

Lab File: BE093784.D

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Tgt Ion:	252	Resp:	10690
Ion Ratio	Lower	Upper	
252	100		
253	27.6	0.0	64.2
125	20.4	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 0.072 ng/ul

RT: 23.19 min Scan# 3597

Delta R.T. -0.00 min

Lab File: BE093784.D

Acq: 14 Aug 2017 11:21

Instrument :

BNA_E

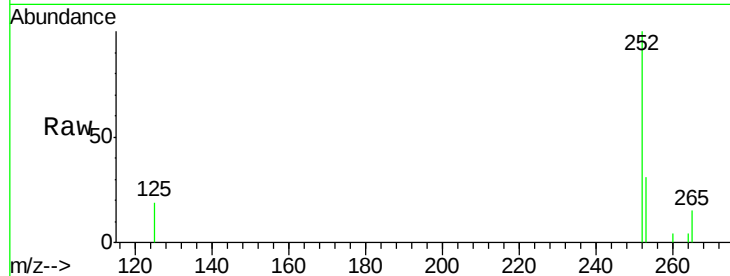
ClientSampleId :

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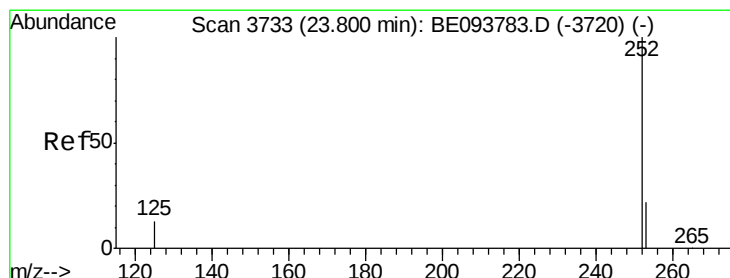
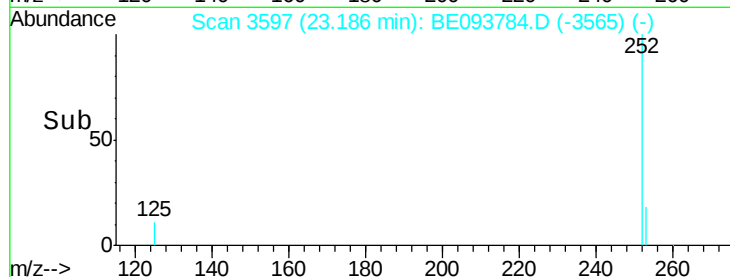
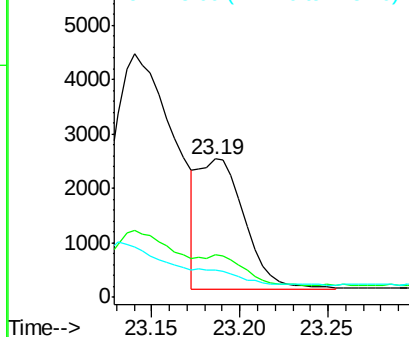
Tgt Ion:	252	Resp:	4406
Ion Ratio	Lower	Upper	
252	100		
253	30.5	24.5	36.7
125	19.5	13.7	20.5

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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: 0.139 ng/ul

RT: 23.80 min Scan# 3731

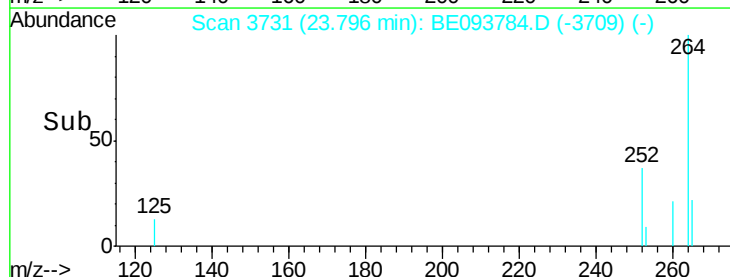
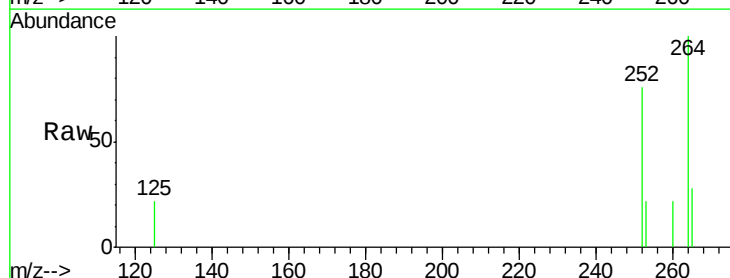
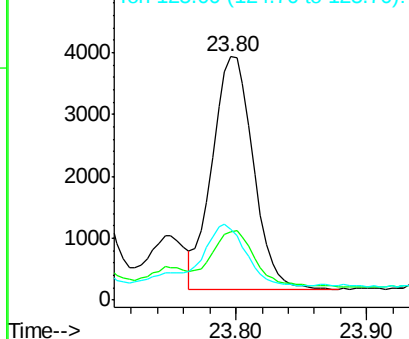
Delta R.T. 0.00 min

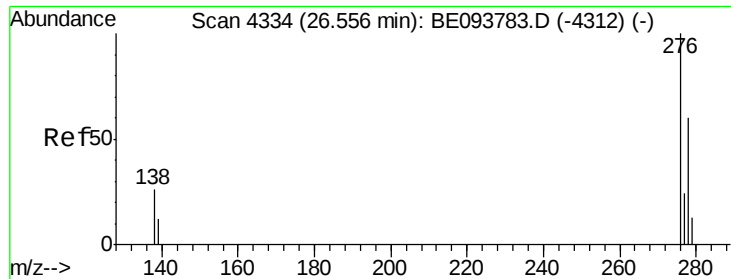
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Tgt Ion:	252	Resp:	8168
Ion Ratio	Lower	Upper	
252	100		
253	28.2	28.5	42.7#
125	29.3	18.1	27.1#

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





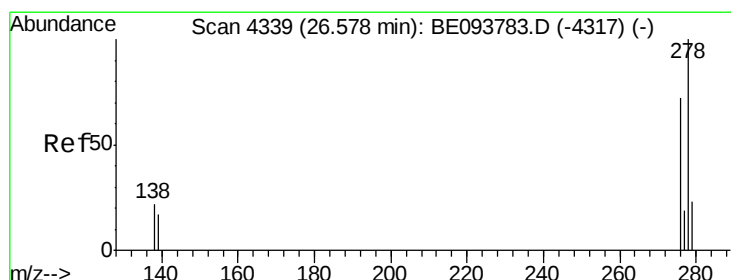
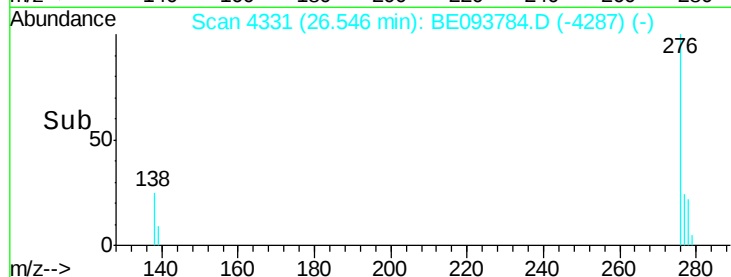
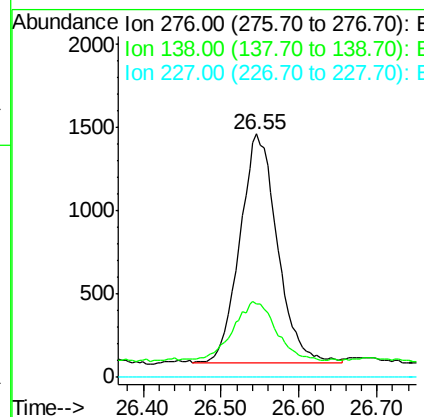
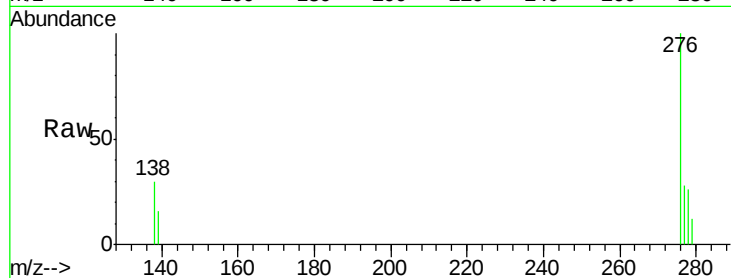
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.071 ng/ul
RT: 26.55 min Scan# 4331
Delta R.T. -0.00 min
Lab File: BE093784.D
Acq: 14 Aug 2017 11:21

Instrument :
BNA_E
ClientSampleId :
C0AG0

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	4594		
138	28.7		28.0	42.0
227	0.0		8.0	12.0

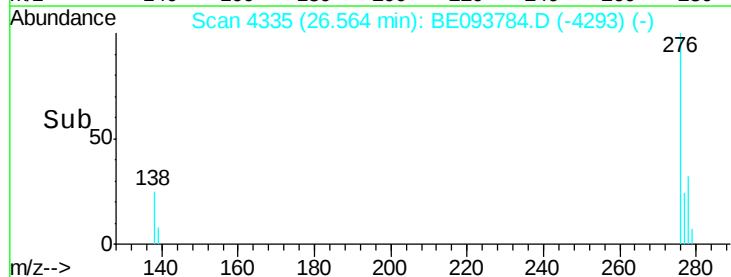
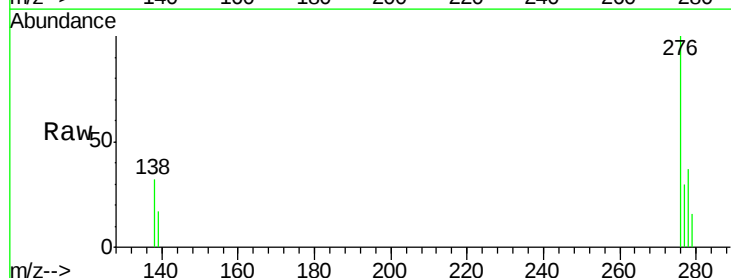
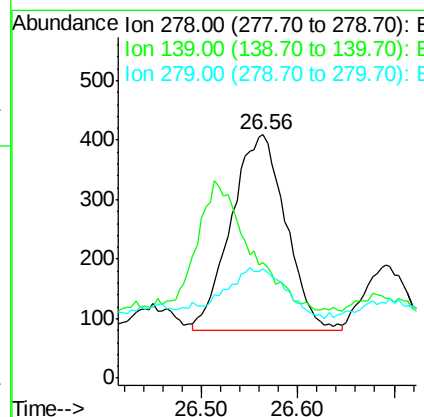
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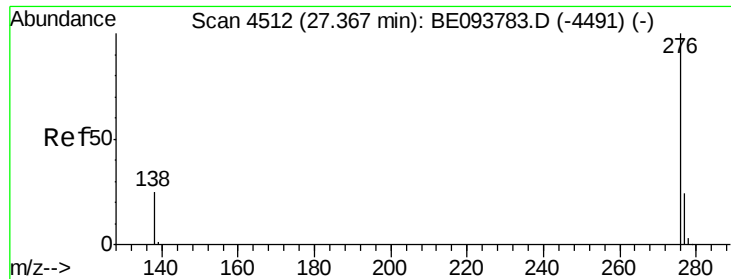
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#25
Dibenzo(a,h)anthracene
Concen: 0.024 ng/ul
RT: 26.56 min Scan# 4335
Delta R.T. -0.01 min
Lab File: BE093784.D
Acq: 14 Aug 2017 11:21

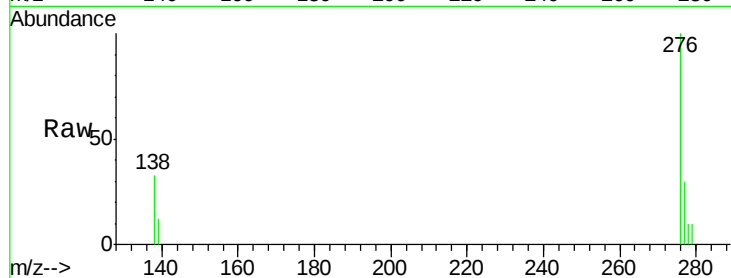
Tgt Ion	Ratio	Resp	Lower	Upper
278	100	1299		
139	47.4		17.4	26.0
279	44.7		25.9	38.9





#26
 Benzo(g,h,i)perylene
 Concen: 0.067 ng/ul
 RT: 27.37 min Scan# 4511
 Delta R.T. -0.00 min
 Lab File: BE093784.D
 Acq: 14 Aug 2017 11:21

Instrument :
 BNA_E
 ClientSampleId :
 C0AG0



Tgt	Ion	Ratio	Lower	Upper
276	100			
138	33.2	21.8	32.8#	
277	30.1	20.5	30.7	

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