

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
 Data File : BE093850.D
 Acq On : 16 Aug 2017 21:17
 Operator : SJ/JU
 Sample : I4672-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AG2

Manual Integrations
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Sohil
 8/17/2017 5:59:43 PM

Quant Time: Aug 17 04:18:18 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 17 02:52:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	2369	0.40	ng/ul	0.00
2) Naphthalene-d8	10.70	136	12619	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	7892	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.26	188	17024	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	17916	0.40	ng/ul	0.00
20) Perylene-d12	23.91	264	15931m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.28	152	3335	0.16	ng/ul	0.00
14) Fluoranthene-d10	19.27	212	9563	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.76	128	53390	1.739	ng/ul#	91
5) 2-Methylnaphthalene	12.35	142	37256	1.664	ng/ul	99
7) Acenaphthylene	14.24	152	24753	0.750	ng/ul	99
8) Acenaphthene	14.58	153	9463	0.364	ng/ul	96
9) Fluorene	15.57	166	14282	0.435	ng/ul	92
12) Phenanthrene	17.29	178	588167	12.686	ng/ul#	89
13) Anthracene	17.38	178	156321	3.462	ng/ul#	89
15) Fluoranthene	19.30	202	895871	15.451	ng/ul	84
17) Pyrene	19.66	202	774202	14.804	ng/ul#	84
18) Benzo(a)anthracene	21.39	228	465607	8.964	ng/ul#	84
19) Chrysene	21.45	228	536920	10.777	ng/ul	99
21) Benzo(b)fluoranthene	23.15	252	710511	14.418	ng/ul	85
22) Benzo(k)fluoranthene	23.19	252	305340m	6.283	ng/ul	
23) Benzo(a)pyrene	23.80	252	384826m	8.210	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.56	276	282774m	5.464	ng/ul	
25) Dibenzo(a,h)anthracene	26.57	278	76712m	1.774	ng/ul	
26) Benzo(a,h,i)perylene	27.38	276	217340m	4.984	ng/ul	

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

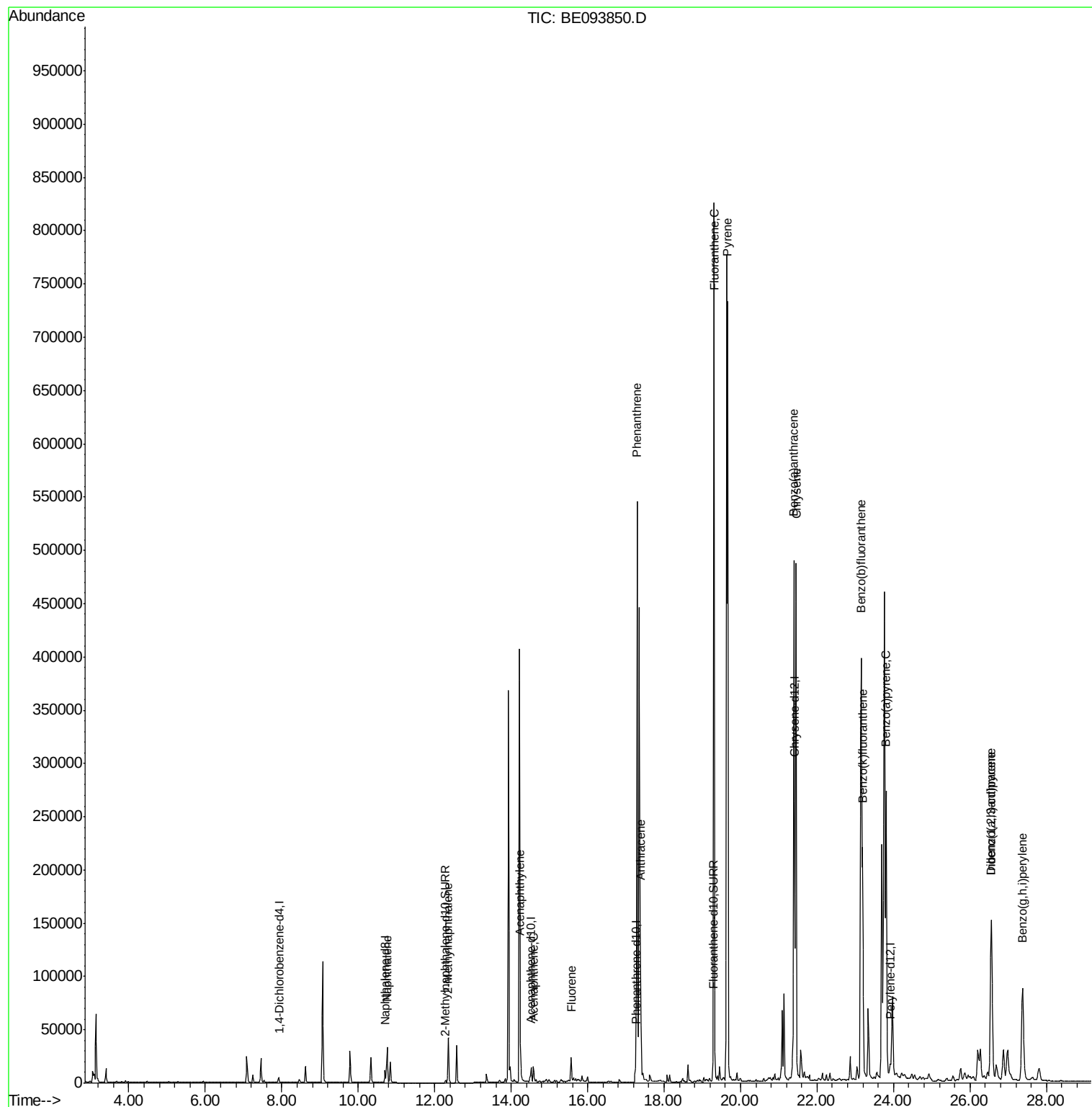
Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
Data File : BE093850.D
Acq On : 16 Aug 2017 21:17
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Sample : I4672-18
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ALS Vial : 18 Sample Multiplier: 1

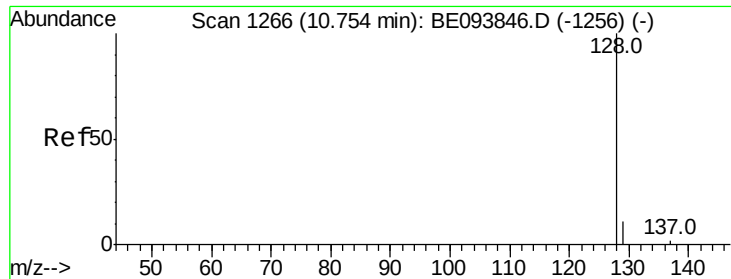
Instrument :
BNA_E
ClientSampled :
C0AG2

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Quant Time: Aug 17 04:18:18 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
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QLast Update : Thu Aug 17 02:52:40 2017
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#3

Naphthalene

Concen: 1.739 ng/ul

RT: 10.76 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE093850.D

Acq: 16 Aug 2017 21:17

Instrument :

BNA_E

ClientSampleId :

C0AG2

Tot Ion:128 Resp: 53390

Ion Ratio Lower Upper

128 100

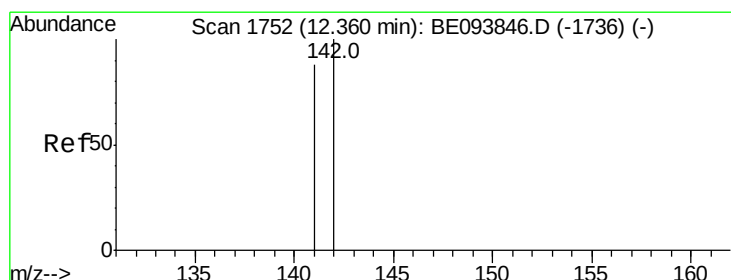
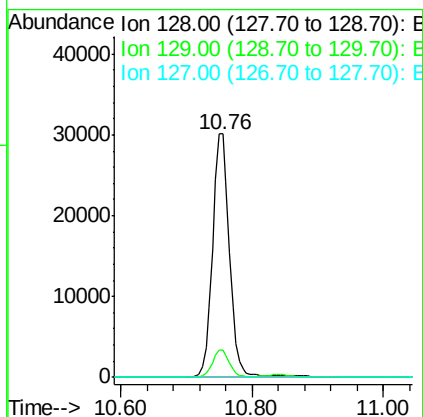
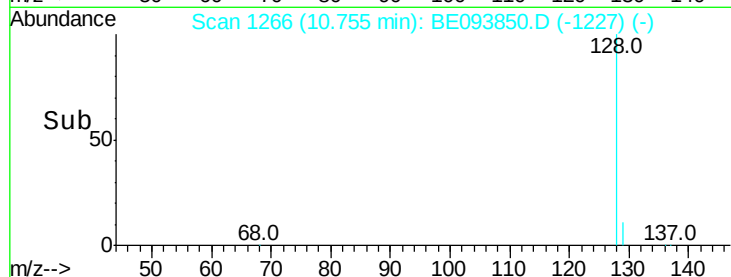
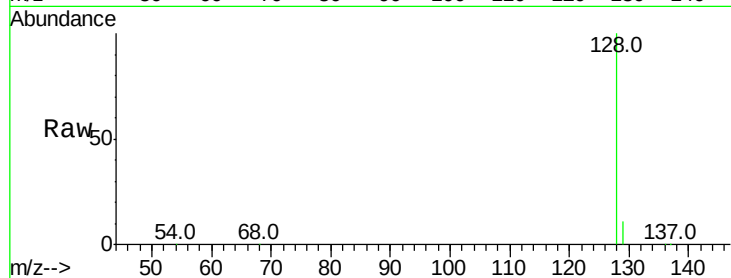
129 11.3 11.3 16.9

127 0.0 4.0 6.0#

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#5

2-Methylnaphthalene

Concen: 1.664 ng/ul

RT: 12.35 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BE093850.D

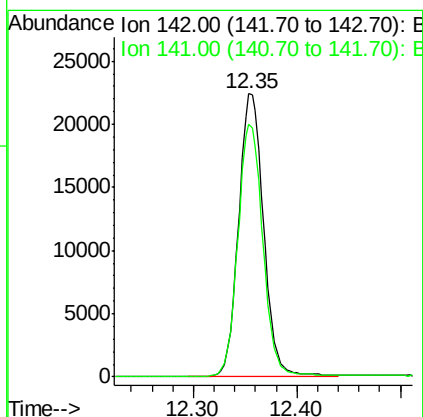
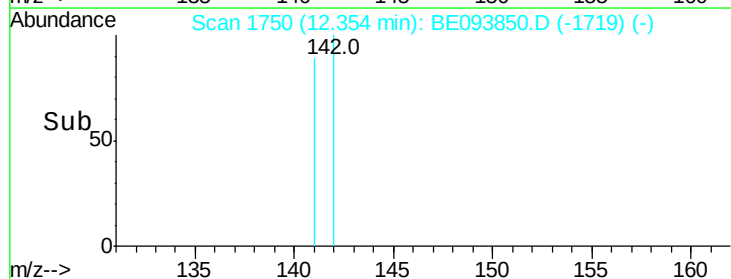
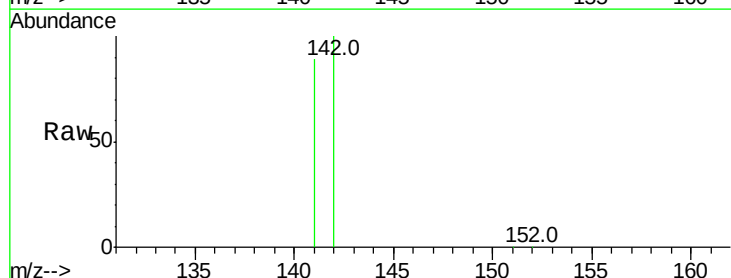
Acq: 16 Aug 2017 21:17

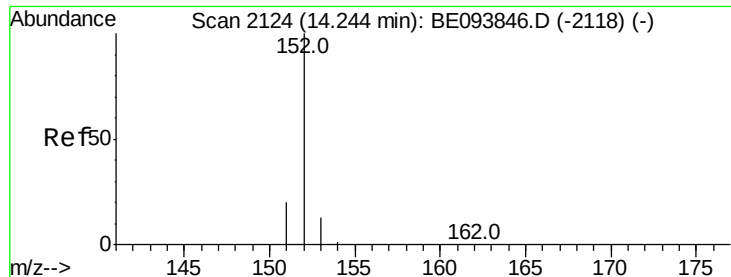
Tgt Ion:142 Resp: 37256

Ion Ratio Lower Upper

142 100

141 89.4 72.6 108.8





#7

Acenaphthylene

Concen: 0.750 ng/ul

RT: 14.24 min Scan# 2123

Delta R.T. -0.00 min

Lab File: BE093850.D

Acq: 16 Aug 2017 21:17

Instrument :

BNA_E

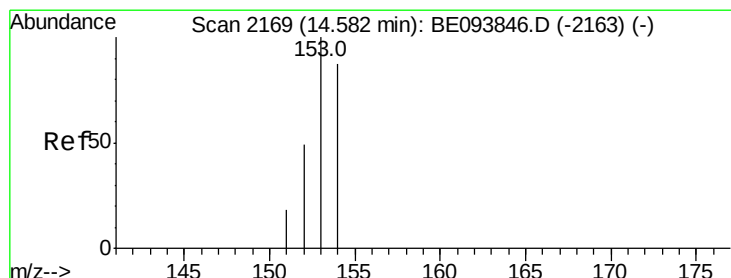
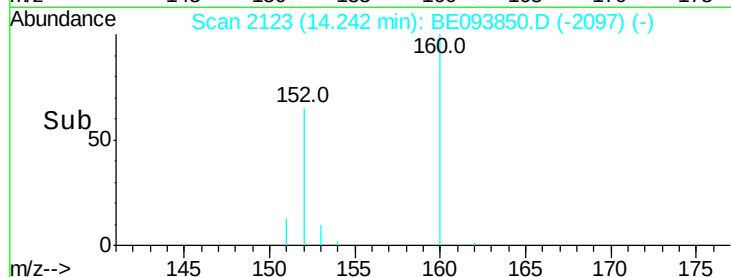
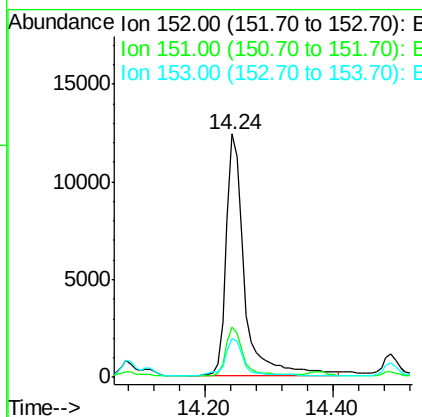
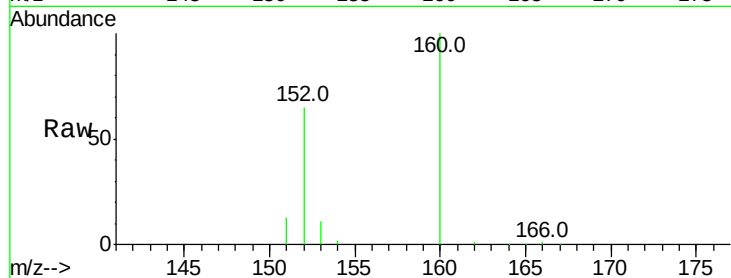
ClientSampleId :

C0AG2

Tot Ion:	152	Resp:	24753
Ion Ratio	Lower	Upper	
152	100		
151	20.6	17.1	25.7
153	16.2	12.8	19.2

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#8

Acenaphthene

Concen: 0.364 ng/ul

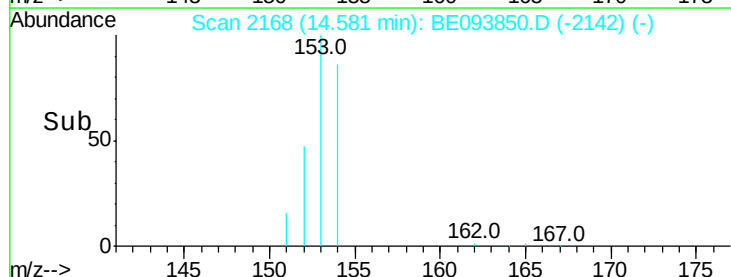
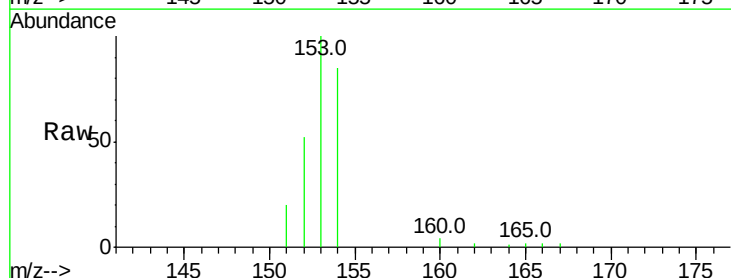
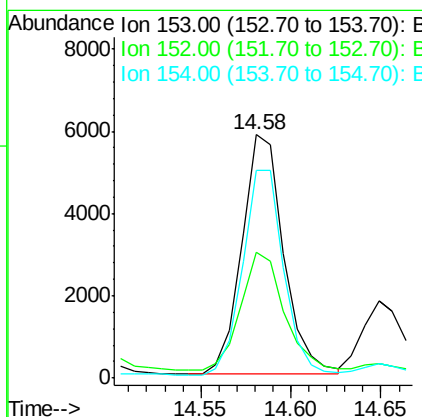
RT: 14.58 min Scan# 2168

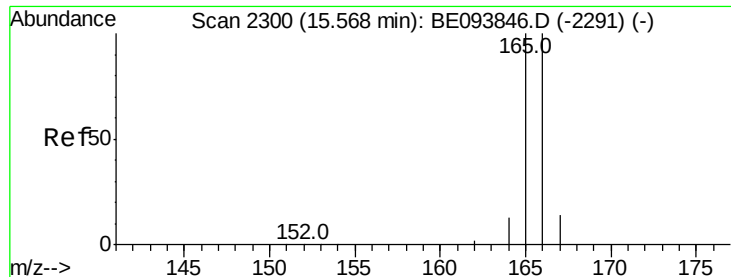
Delta R.T. -0.00 min

Lab File: BE093850.D

Acq: 16 Aug 2017 21:17

Tgt Ion:	153	Resp:	9463
Ion Ratio	Lower	Upper	
153	100		
152	51.8	40.3	60.5
154	85.2	71.4	107.2





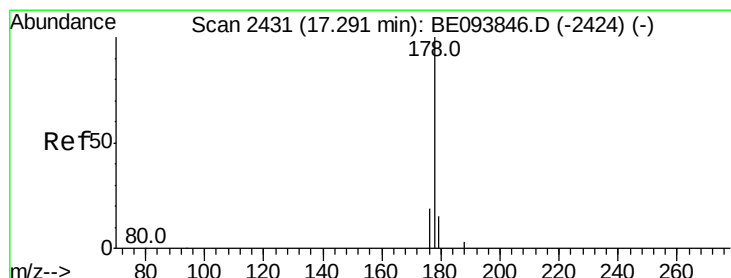
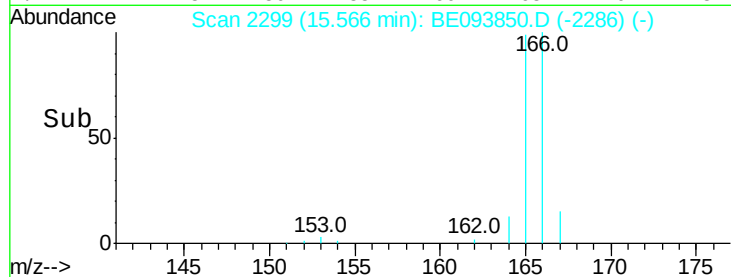
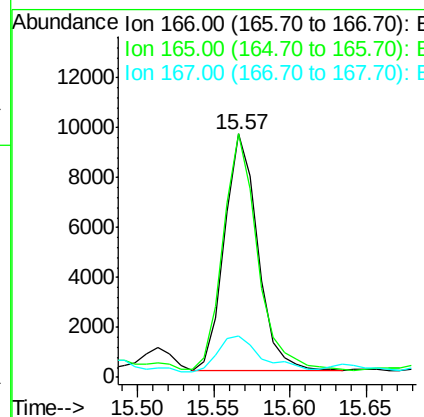
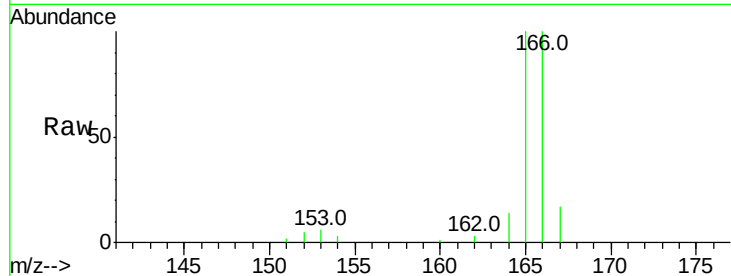
#9
Fluorene
 Concen: 0.435 ng/ul
 RT: 15.57 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: BE093850.D
 Acq: 16 Aug 2017 21:17

Instrument :
 BNA_E
 ClientSampleId :
 C0AG2

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.9	73.4	110.2
167	16.9	14.6	22.0

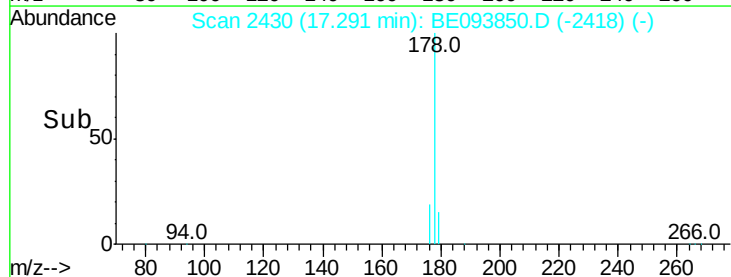
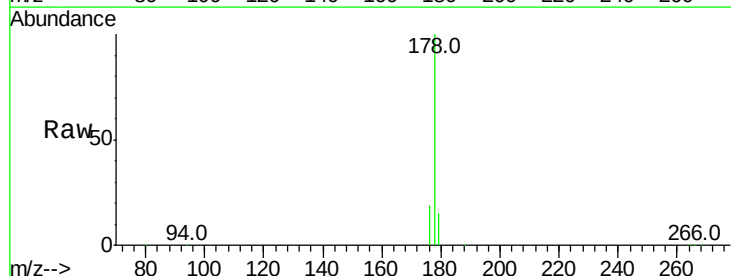
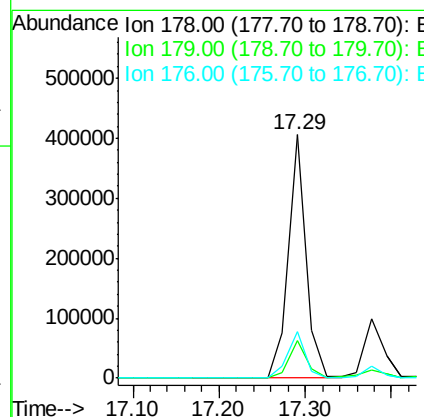
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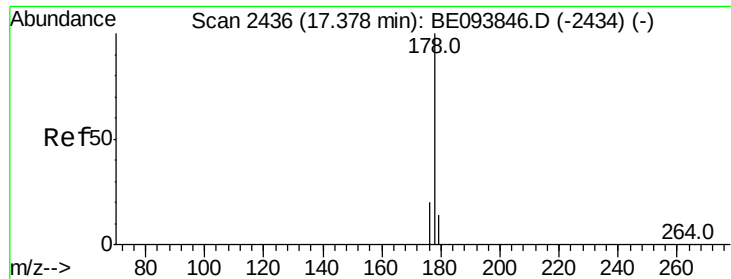
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#12
Phenanthrene
 Concen: 12.686 ng/ul
 RT: 17.29 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BE093850.D
 Acq: 16 Aug 2017 21:17

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	18.4	27.6#
176	19.1	13.6	20.4





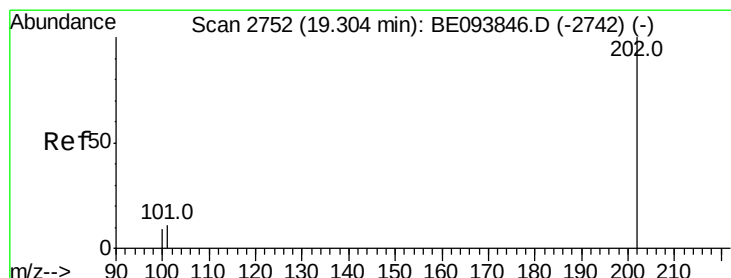
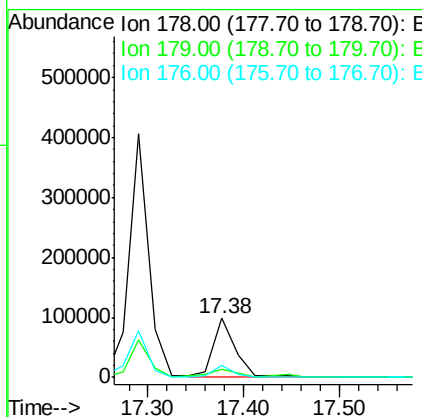
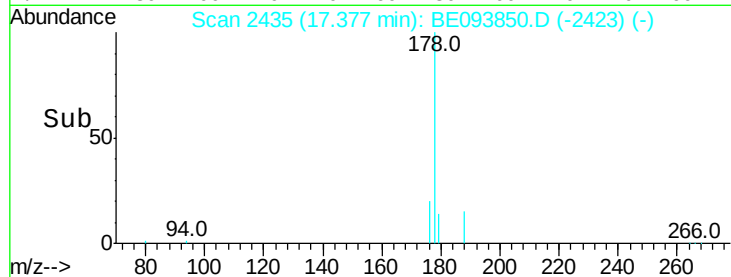
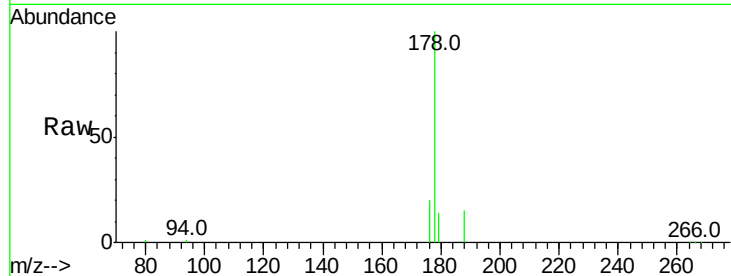
#13
 Anthracene
 Concen: 3.462 ng/ul
 RT: 17.38 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: BE093850.D
 Acq: 16 Aug 2017 21:17

Instrument :
 BNA_E
 ClientSampled :
 C0AG2

Tot Ion	Ratio	Lower	Upper
178	100		
179	14.3	18.1	27.1#
176	19.9	14.7	22.1

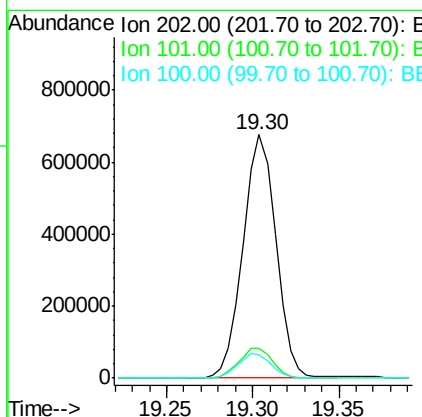
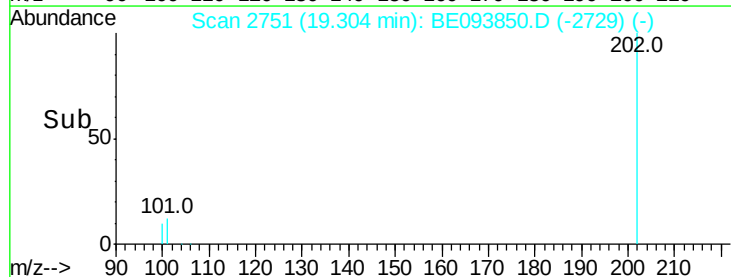
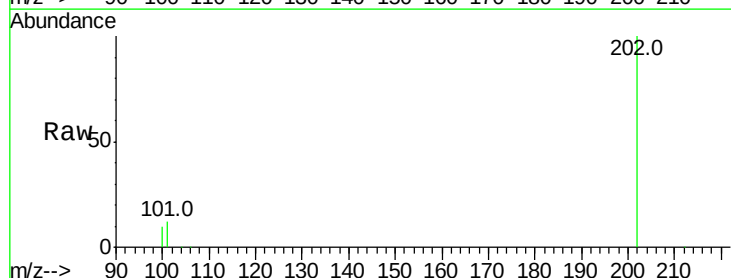
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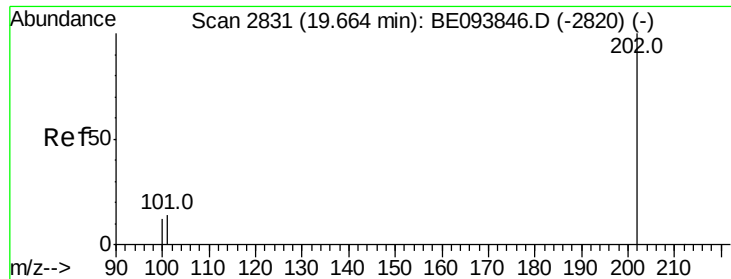
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#15
 Fluoranthene
 Concen: 15.451 ng/ul
 RT: 19.30 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: BE093850.D
 Acq: 16 Aug 2017 21:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	30.3
100	9.7	0.0	39.5





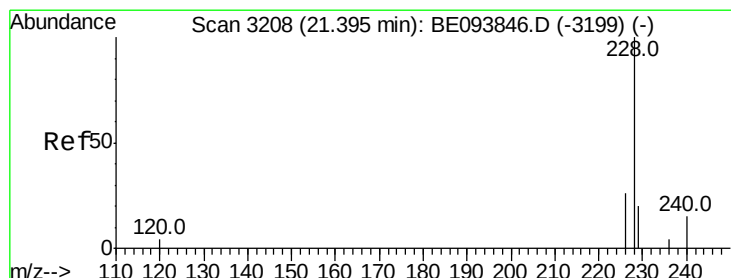
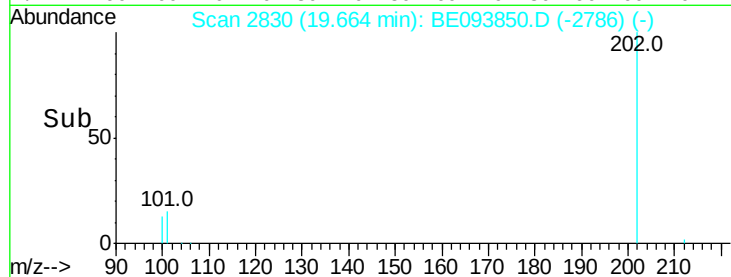
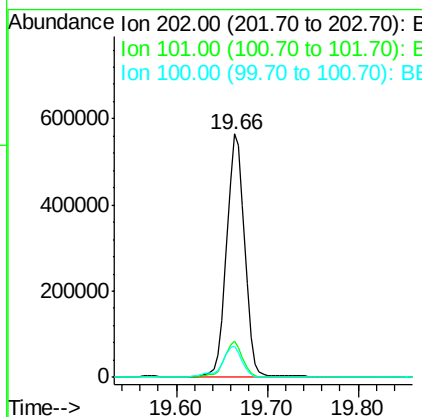
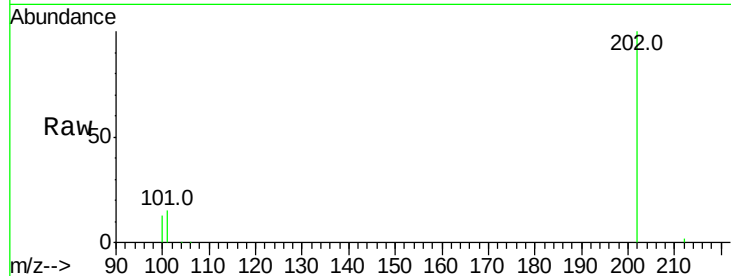
#17
Pvrene
Concen: 14.804 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. 0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

Instrument :
BNA_E
ClientSampleId :
C0AG2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.7	18.2	27.4#
100	12.8	15.6	23.4#

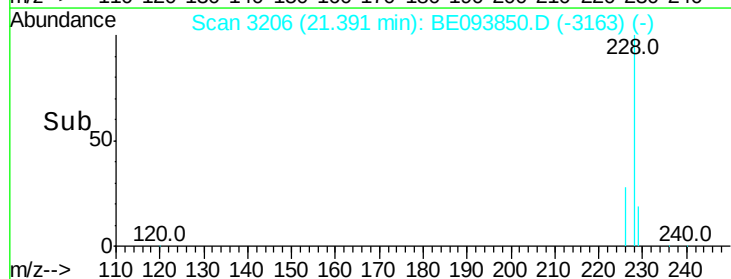
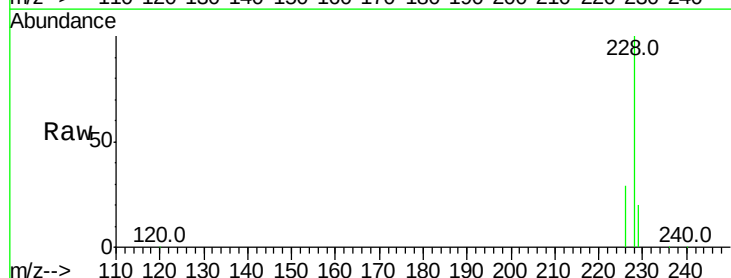
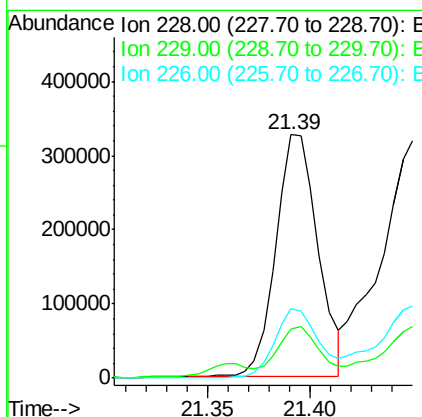
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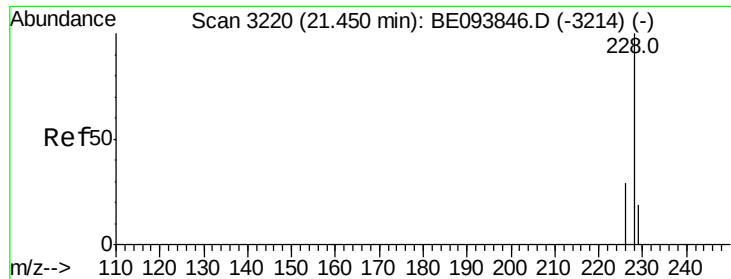
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#18
Benzo(a)anthracene
Concen: 8.964 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. -0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
229	20.0	22.8	34.2#
226	28.7	17.0	25.6#





#19

Chrysene

Concen: 10.777 ng/ul

RT: 21.45 min Scan# 3219

Delta R.T. -0.00 min

Lab File: BE093850.D

Acq: 16 Aug 2017 21:17

Instrument :

BNA_E

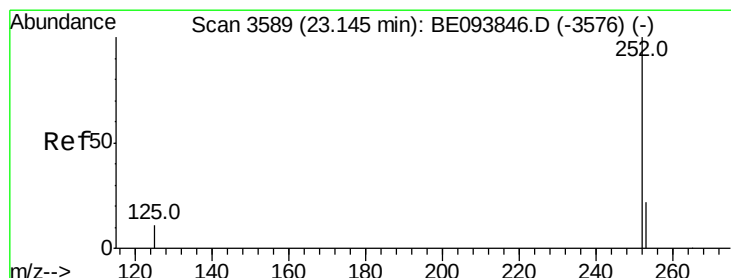
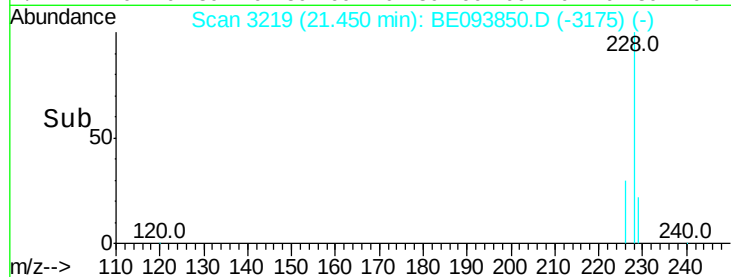
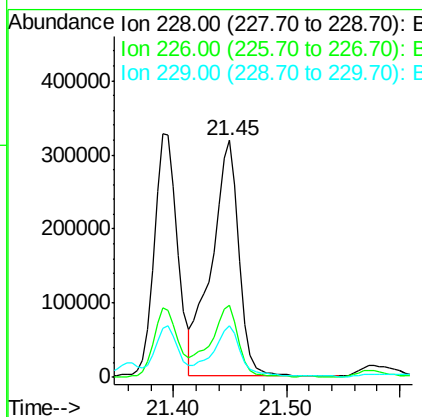
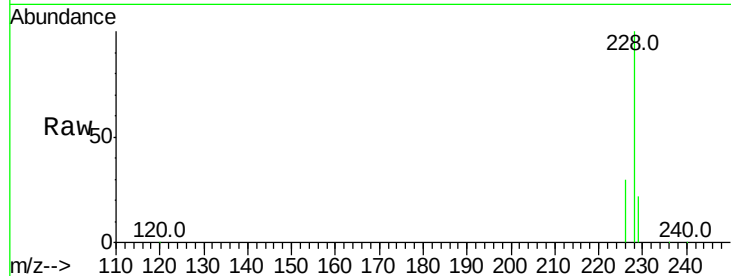
ClientSampleId :

C0AG2

Tot Ion:	228	Resp:	536920
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.4	35.0
229	21.8	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 14.418 ng/ul

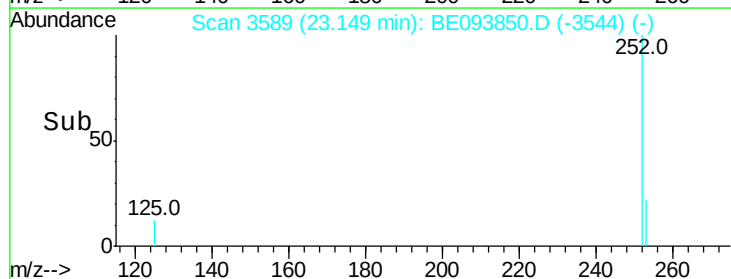
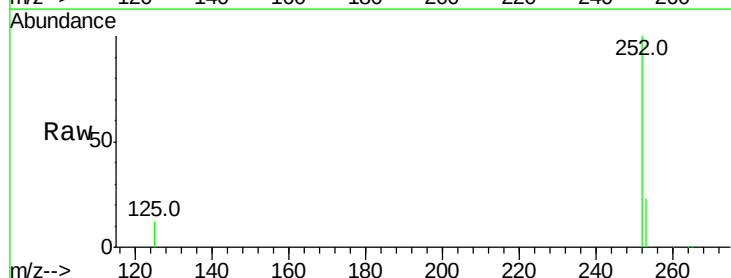
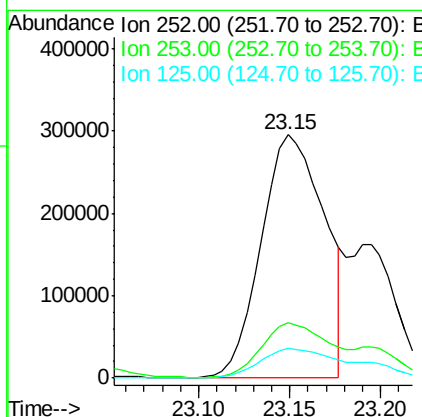
RT: 23.15 min Scan# 3589

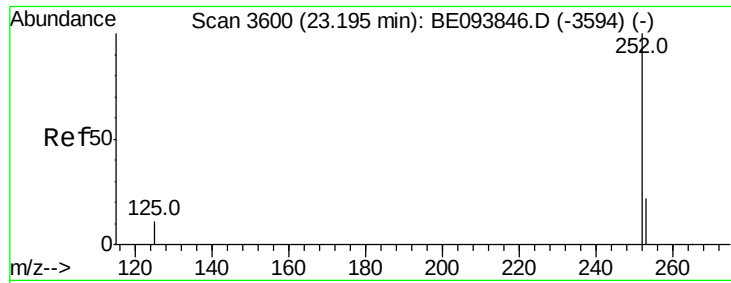
Delta R.T. 0.00 min

Lab File: BE093850.D

Acq: 16 Aug 2017 21:17

Tgt Ion:	252	Resp:	710511
Ion Ratio	Lower	Upper	
252	100		
253	22.6	0.0	64.2
125	12.0	0.0	35.0





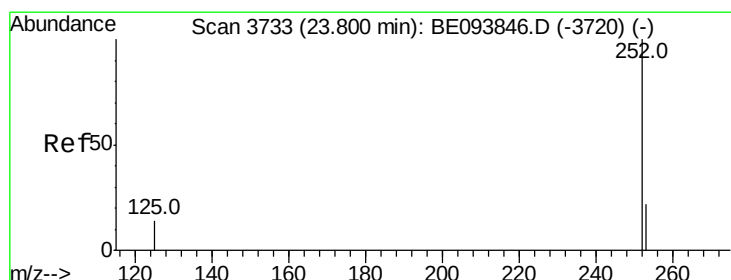
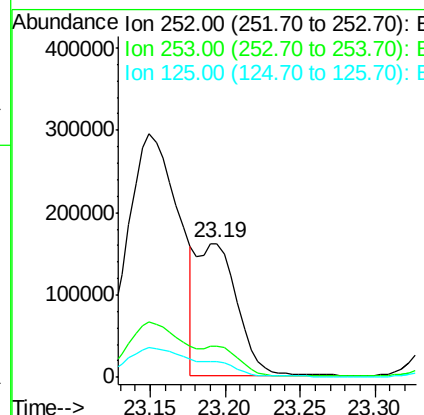
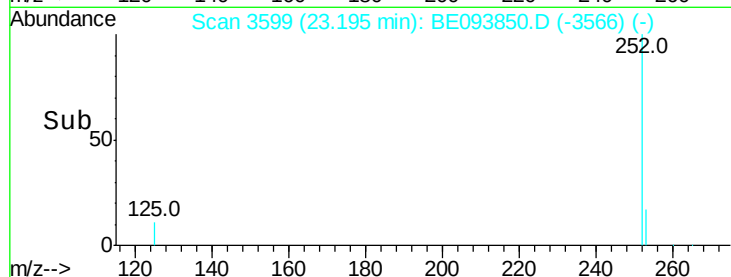
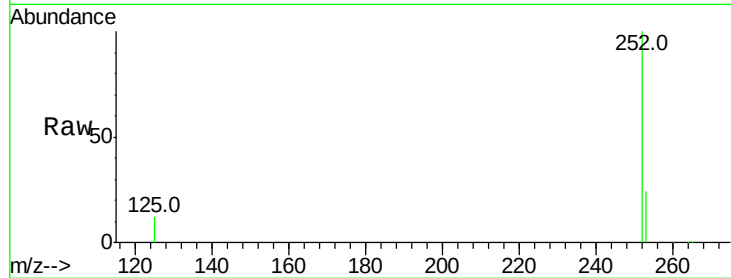
#22
Benzo(k)fluoranthene
Concen: 6.283 ng/ul m
RT: 23.19 min Scan# 3599
Delta R.T. -0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

Instrument :
BNA_E
ClientSampleId :
C0AG2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	24.5	36.7#
125	11.7	13.7	20.5#

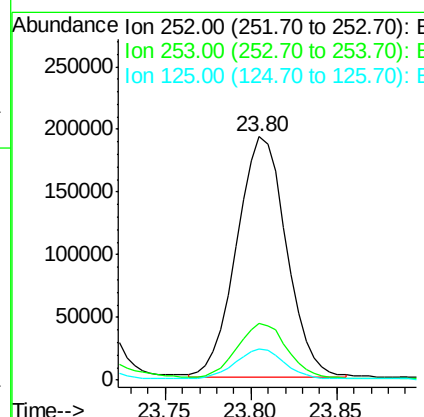
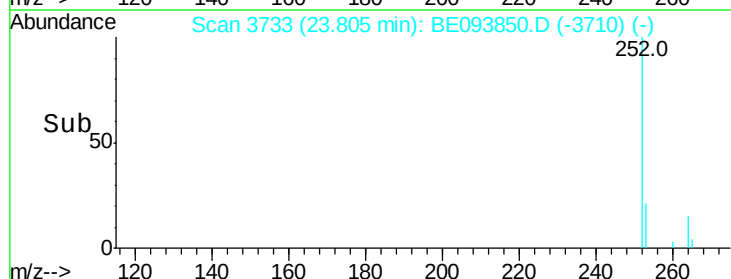
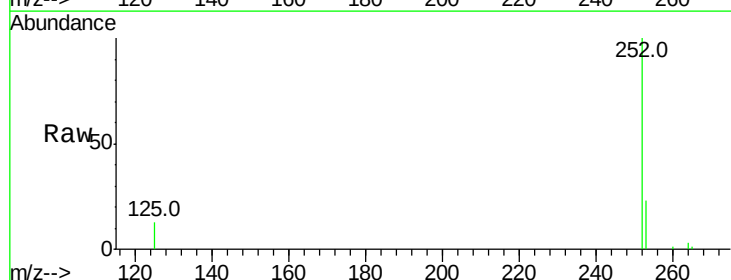
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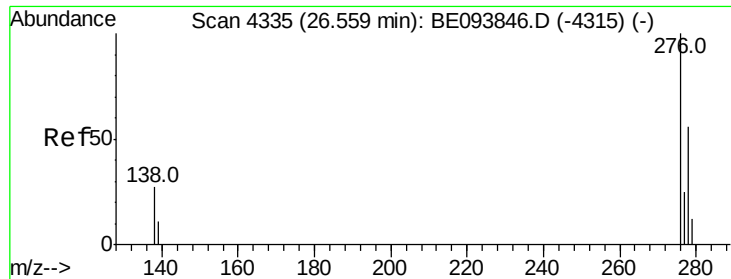
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#23
Benzo(a)pyrene
Concen: 8.210 ng/ul m
RT: 23.80 min Scan# 3733
Delta R.T. 0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	28.5	42.7#
125	12.8	18.1	27.1#





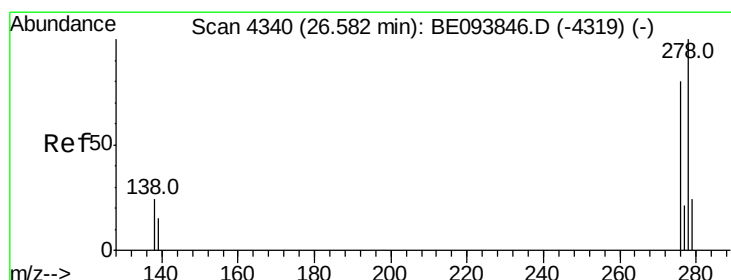
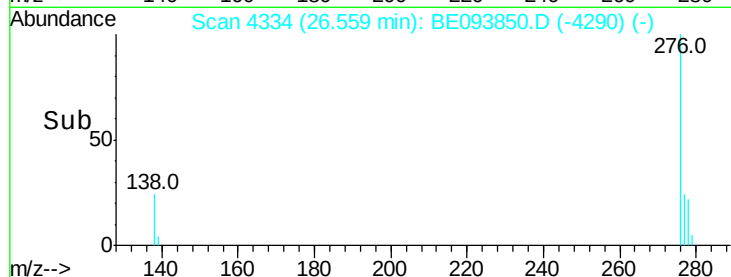
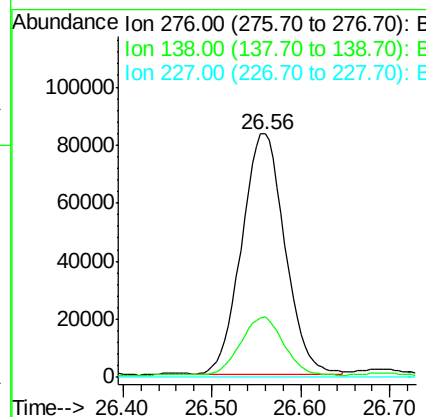
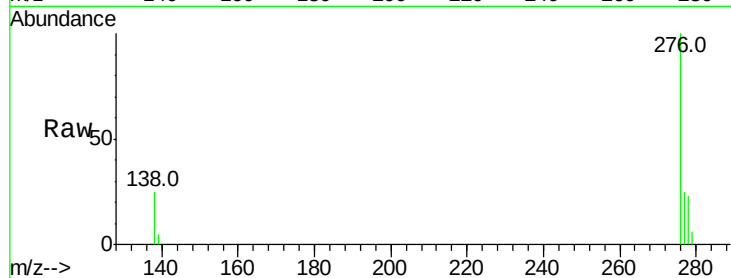
#24
Indeno(1,2,3-cd)pyrene
Concen: 5.464 ng/ul m
RT: 26.56 min Scan# 4334
Delta R.T. 0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

Instrument :
BNA_E
ClientSampled :
C0AG2

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

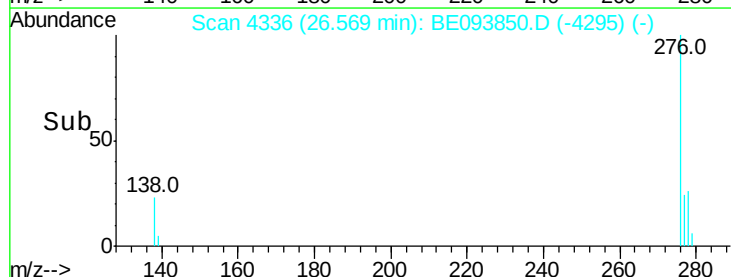
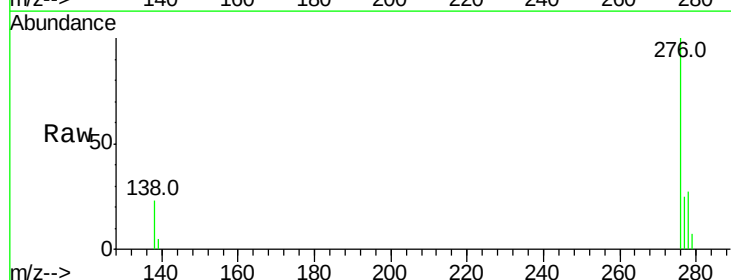
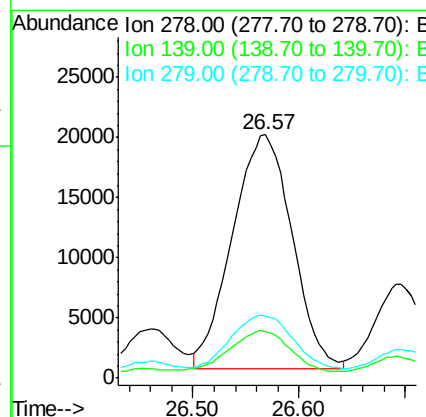
Manual Integrations
APPROVED

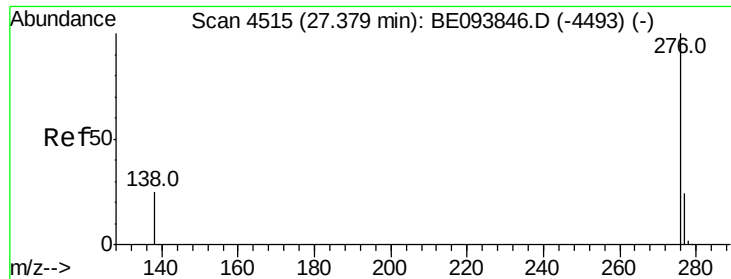
Sohil
8/17/2017 5:59:43 PM



#25
Dibenzo(a,h)anthracene
Concen: 1.774 ng/ul m
RT: 26.57 min Scan# 4336
Delta R.T. -0.01 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	19.2	17.4	26.0
279	25.4	25.9	38.9#





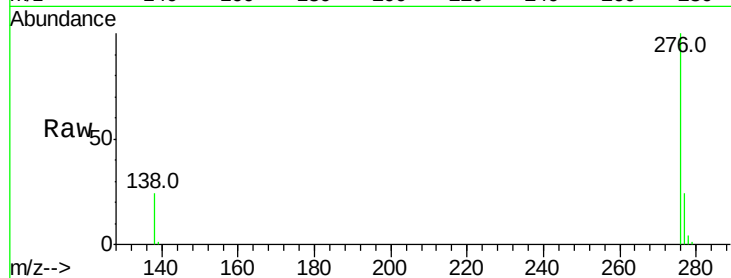
#26
 Benzo(a,h,i)perylene
 Concen: 4.984 ng/ul m
 RT: 27.38 min Scan# 4514
 Delta R.T. 0.00 min
 Lab File: BE093850.D
 Acq: 16 Aug 2017 21:17

Instrument :
 BNA_E
 ClientSampleId :
 C0AG2

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	21.8	32.8
277	24.3	20.5	30.7

Manual Integrations
 APPROVED

Sohil
 8/17/2017 5:59:43 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

