

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE102618\
 Data File : BE098085.D
 Acq On : 26 Oct 2018 12:27
 Operator : SJ/JU
 Sample : J5598-14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 C0AE2

Manual Integrations
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Quant Time: Oct 26 23:54:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 26 23:15:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	1094	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	5476	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.53	164	4003	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.29	188	9346m	0.40	ng/ul	0.00
16) Chrysene-d12	21.48	240	10523m	0.40	ng/ul	0.00
20) Perylene-d12	24.03	264	12220m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.27	152	1794	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.32	212	6118m	0.20	ng/ul	0.00
Target Compounds						Qvalue
3) Naphthalene	10.73	128	13632	1.040	ng/ul	98
5) 2-Methylnaphthalene	12.34	142	4813	0.486	ng/ul	100
7) Acenaphthylene	14.26	152	39221	2.483	ng/ul	97
8) Acenaphthene	14.60	153	2675	0.227	ng/ul	95
9) Fluorene	15.59	166	2481	0.175	ng/ul#	98
12) Phenanthrene	17.33	178	55863m	2.590	ng/ul	
13) Anthracene	17.42	178	48445m	2.274	ng/ul	
15) Fluoranthene	19.36	202	910818m	33.119	ng/ul	
17) Pyrene	19.72	202	1289580	52.485	ng/ul	98
18) Benzo(a)anthracene	21.46	228	1061119m	34.296	ng/ul	
19) Chrysene	21.51	228	928089	38.777	ng/ul	98
21) Benzo(b)fluoranthene	23.27	252	1858088m	54.880	ng/ul	
22) Benzo(k)fluoranthene	23.30	252	516140m	15.574	ng/ul	
23) Benzo(a)pyrene	23.93	252	653930m	20.082	ng/ul	
24) Indeno(1,2,3-cd)pyrene	26.74	276	514598m	13.791	ng/ul	
25) Dibenzo(a,h)anthracene	26.75	278	135289m	4.350	ng/ul	
26) Benzo(g,h,i)perylene	27.57	276	384384m	12.237	ng/ul	

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

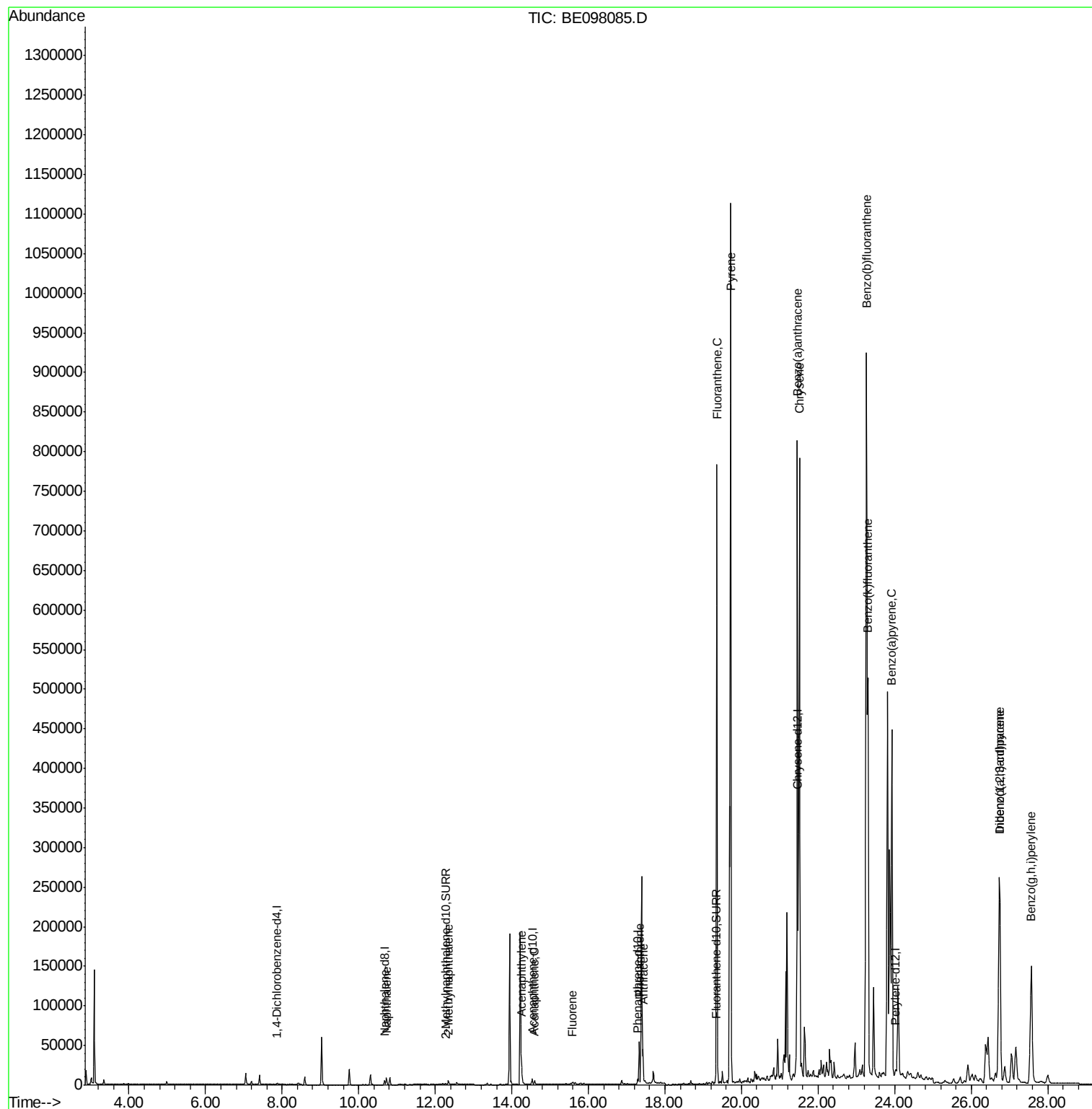
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE102618\
Data File : BE098085.D
Acq On : 26 Oct 2018 12:27
Operator : SJ/JU
Sample : J5598-14
Misc :
ALS Vial : 6 Sample Multiplier: 1

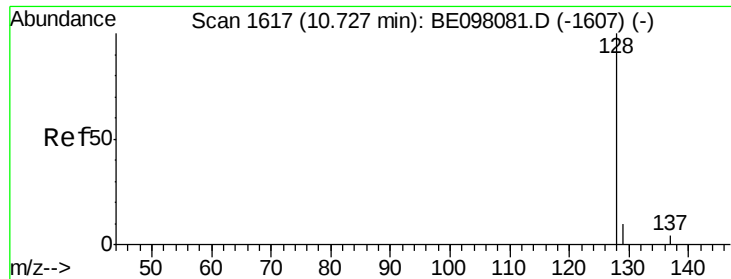
Instrument :
BNA_E
ClientSampled :
C0AE2

Quant Time: Oct 26 23:54:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE102518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 26 23:15:36 2018
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#3

Naphthalene

Concen: 1.040 ng/ul

RT: 10.73 min Scan# 1617

Delta R.T. -0.00 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Instrument :

BNA_E

ClientSampleId :

C0AE2

Tgt Ion:128 Resp: 13632

Ion Ratio Lower Upper

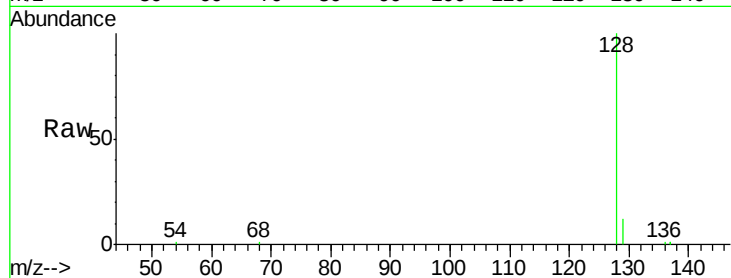
128 100

129 12.1 10.5 15.7

127 0.0 0.0 0.0

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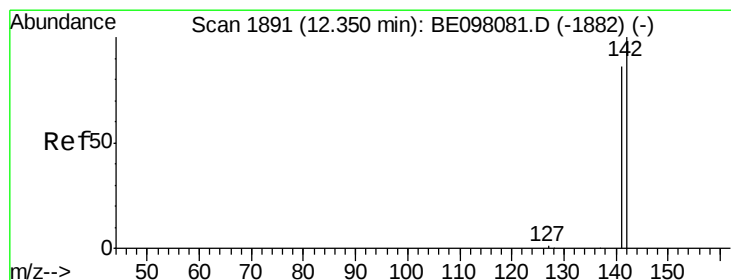
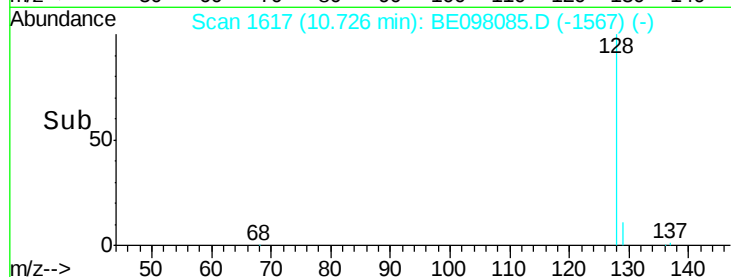
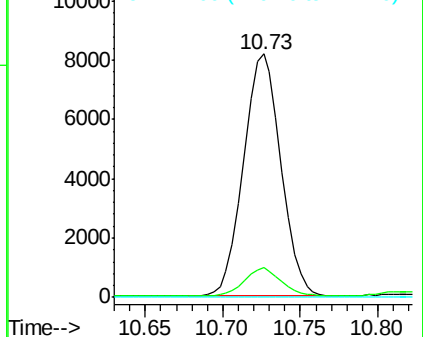
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.486 ng/ul

RT: 12.34 min Scan# 1890

Delta R.T. -0.01 min

Lab File: BE098085.D

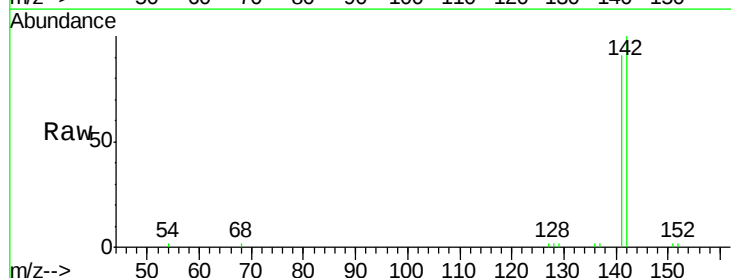
Acq: 26 Oct 2018 12:27

Tgt Ion:142 Resp: 4813

Ion Ratio Lower Upper

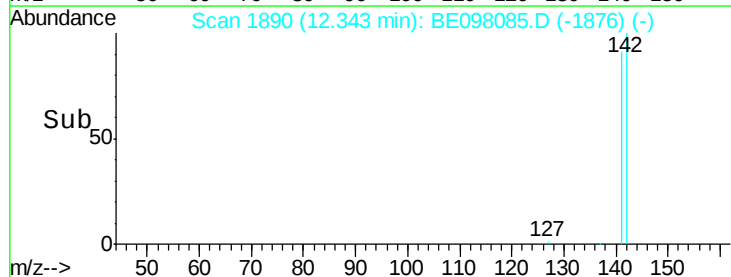
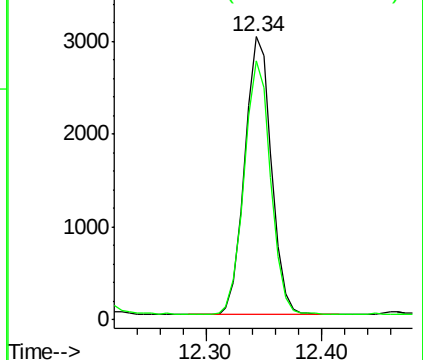
142 100

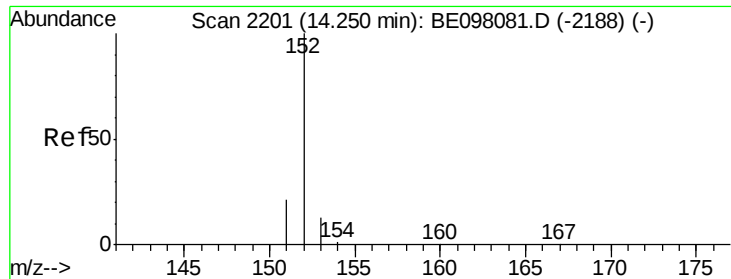
141 90.8 72.5 108.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 2.483 ng/ul

RT: 14.26 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Instrument :

BNA_E

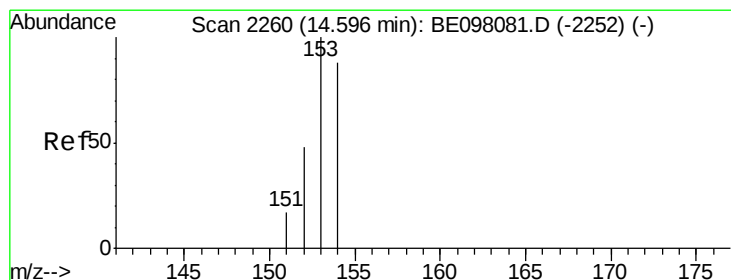
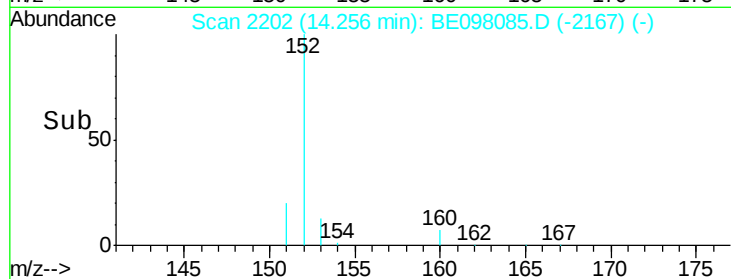
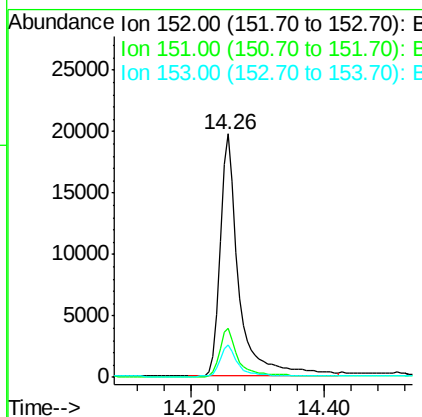
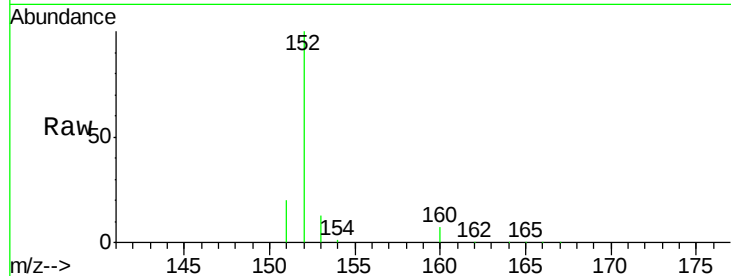
ClientSampleId :

C0AE2

Tgt Ion:	152	Resp:	39221
Ion Ratio	Lower	Upper	
152	100		
151	20.2	17.3	25.9
153	13.2	11.9	17.9

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#8

Acenaphthene

Concen: 0.227 ng/ul

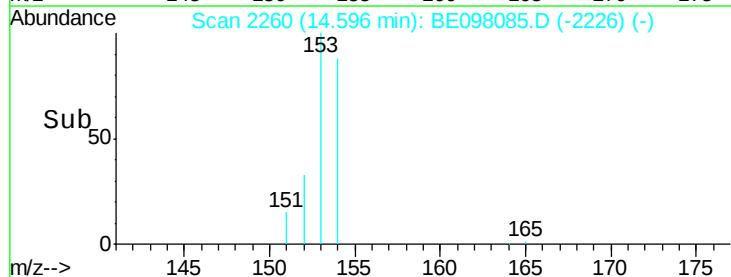
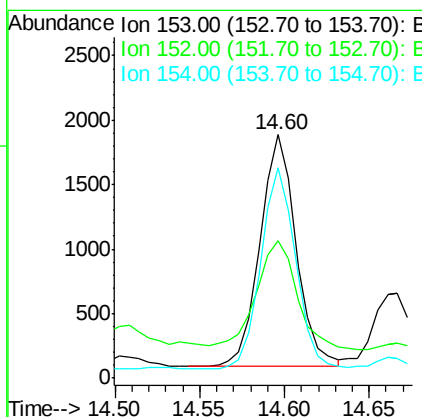
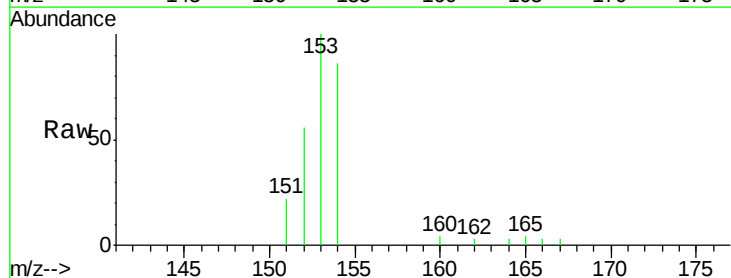
RT: 14.60 min Scan# 2260

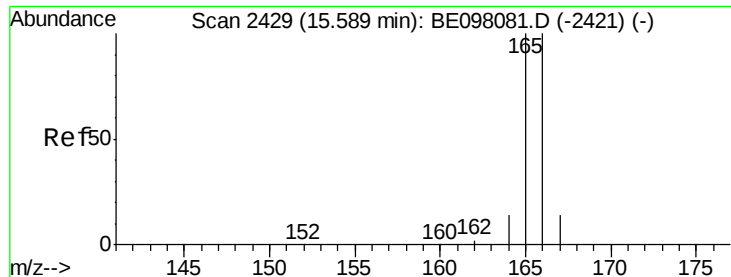
Delta R.T. -0.00 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Tgt Ion:	153	Resp:	2675
Ion Ratio	Lower	Upper	
153	100		
152	56.4	39.4	59.0
154	86.1	70.5	105.7





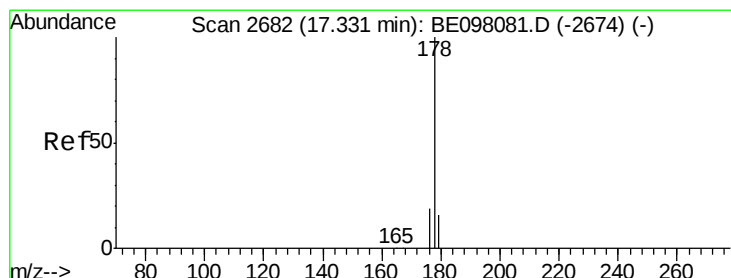
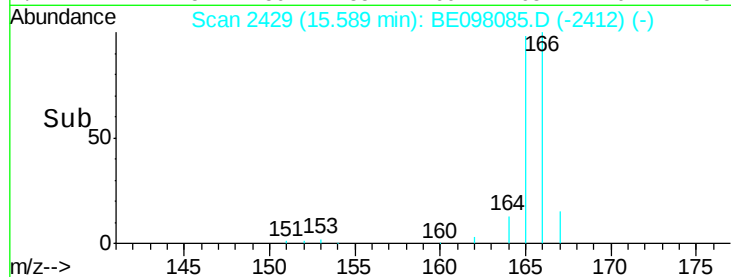
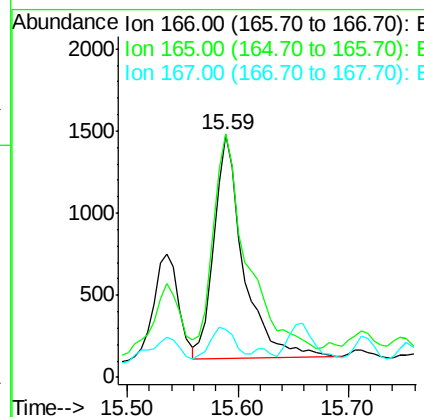
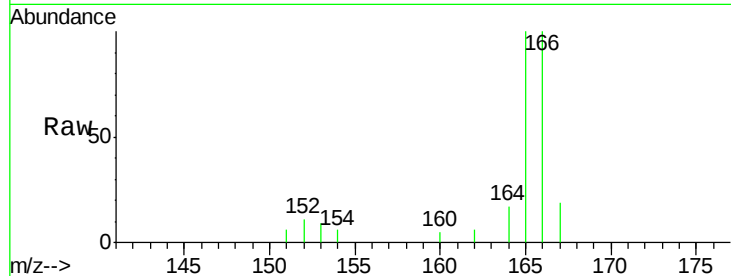
#9
Fluorene
 Concen: 0.175 ng/ul
 RT: 15.59 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: BE098085.D
 Acq: 26 Oct 2018 12:27

Instrument :
 BNA_E
 ClientSampleId :
 C0AE2

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.5	80.2	120.4
167	19.5	12.0	18.0

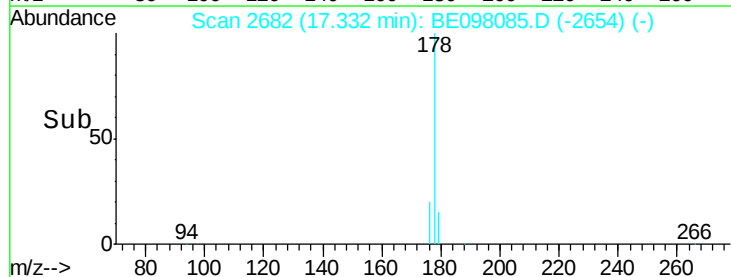
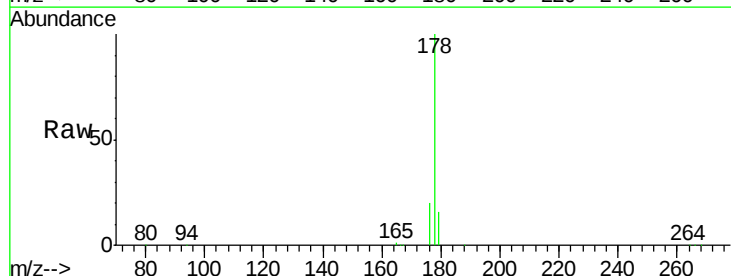
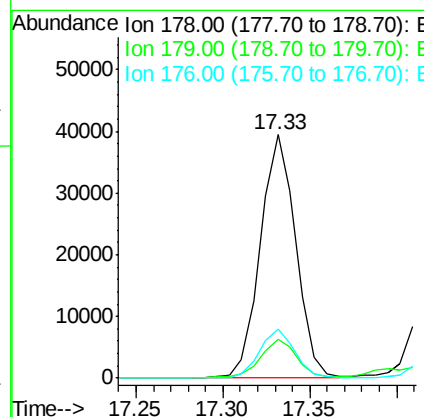
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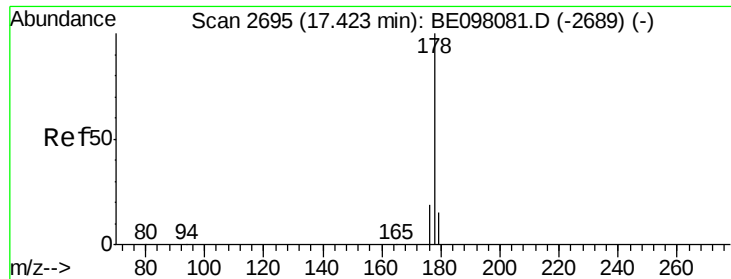
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#12
Phenanthrene
 Concen: 2.590 ng/ul m
 RT: 17.33 min Scan# 2682
 Delta R.T. 0.00 min
 Lab File: BE098085.D
 Acq: 26 Oct 2018 12:27

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	13.0	19.4
176	20.0	15.7	23.5





#13

Anthracene

Concen: 2.274 ng/ul m

RT: 17.42 min Scan# 2695

Delta R.T. 0.00 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Instrument :

BNA_E

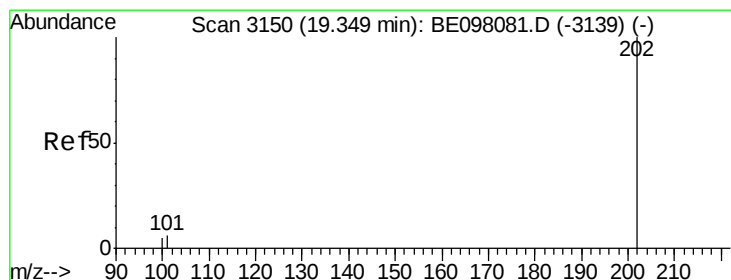
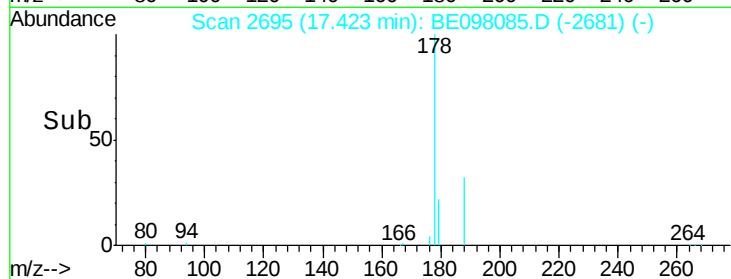
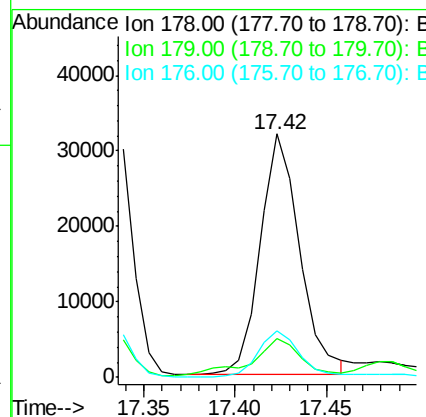
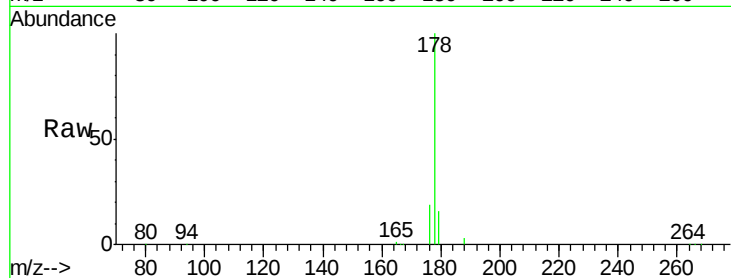
ClientSampleId :

C0AE2

Tgt Ion:	178	Resp:	48445
Ion Ratio	Lower	Upper	
178	100		
179	15.9	12.6	19.0
176	19.1	15.6	23.4

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#15

Fluoranthene

Concen: 33.119 ng/ul m

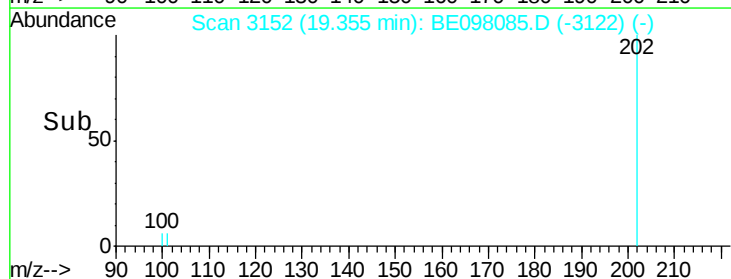
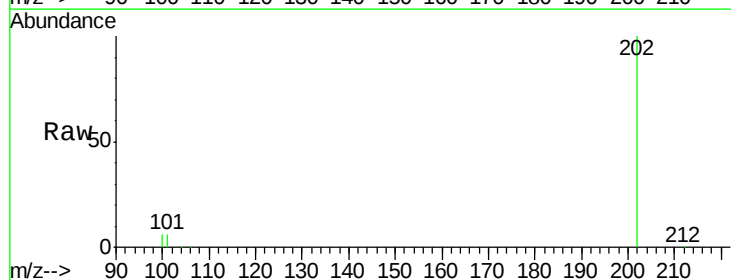
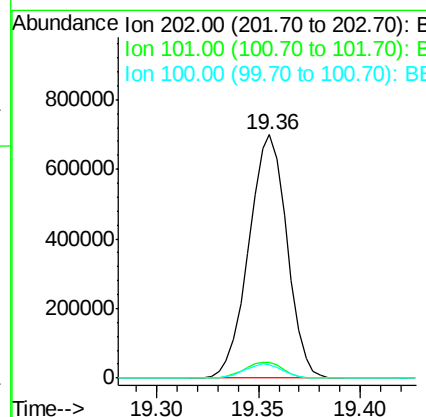
RT: 19.36 min Scan# 3152

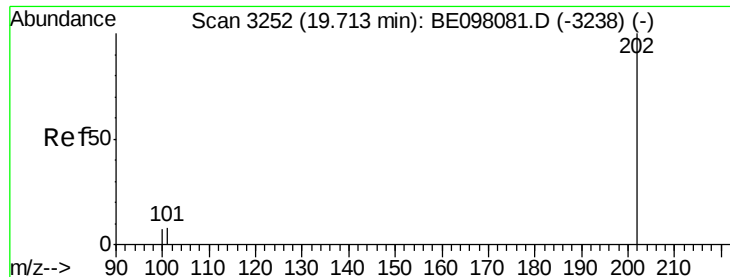
Delta R.T. 0.01 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Tgt Ion:	202	Resp:	910818
Ion Ratio	Lower	Upper	
202	100		
101	6.4	0.0	27.5
100	5.6	0.0	26.0





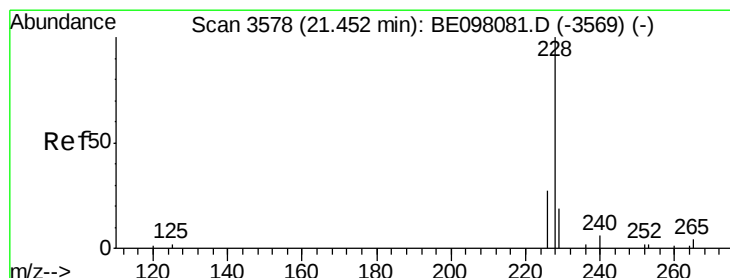
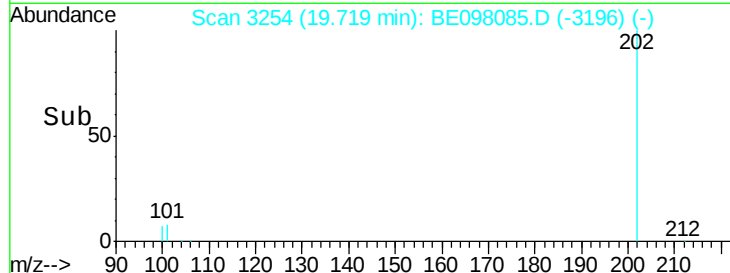
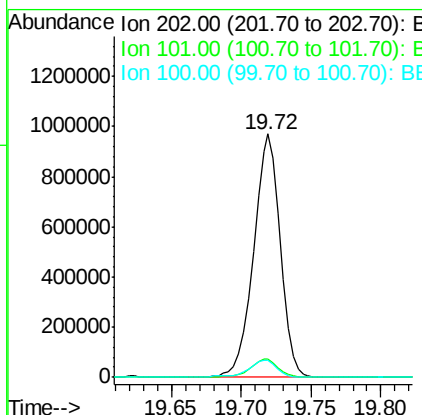
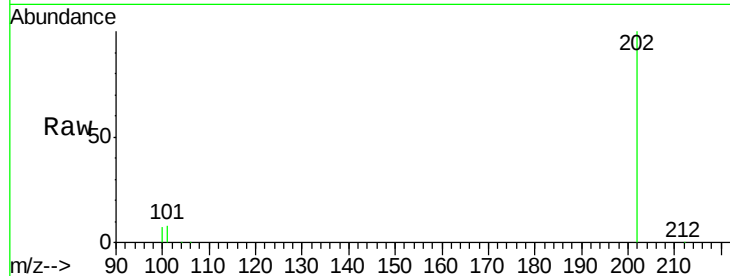
#17
Pyrene
Concen: 52.485 ng/ul
RT: 19.72 min Scan# 3254
Delta R.T. 0.01 min
Lab File: BE098085.D
Acq: 26 Oct 2018 12:27

Instrument :
BNA_E
ClientSampleId :
C0AE2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.5	6.9	10.3
100	7.0	6.0	9.0

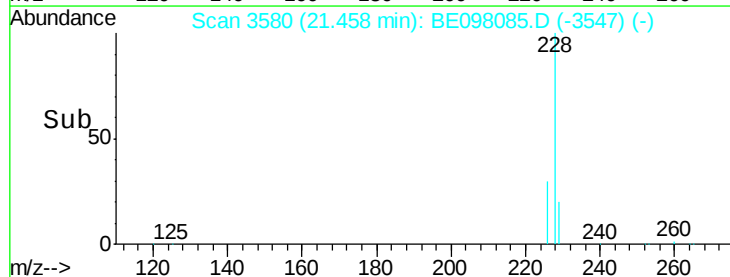
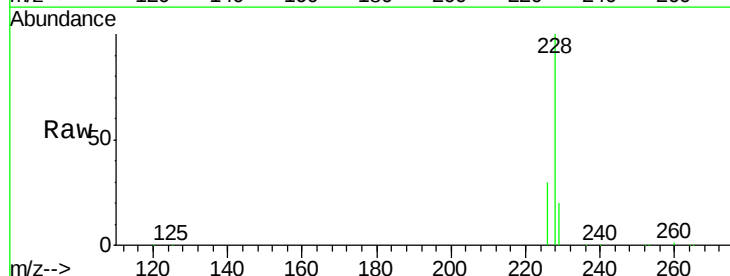
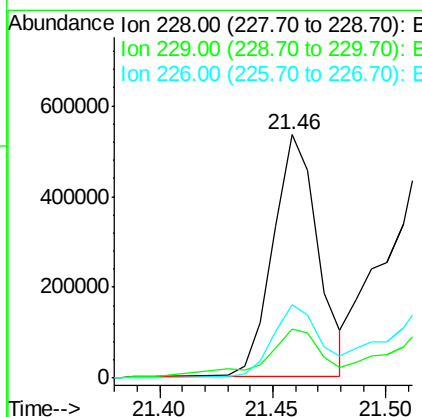
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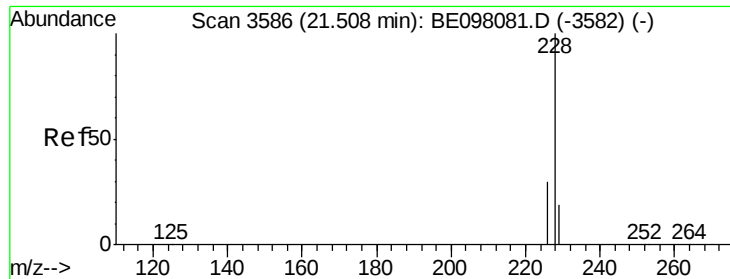
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#18
Benzo(a)anthracene
Concen: 34.296 ng/ul m
RT: 21.46 min Scan# 3580
Delta R.T. 0.01 min
Lab File: BE098085.D
Acq: 26 Oct 2018 12:27

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	16.1	24.1
226	30.0	22.2	33.4





#19

Chrysene

Concen: 38.777 ng/ul

RT: 21.51 min Scan# 3588

Delta R.T. 0.01 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Instrument :

BNA_E

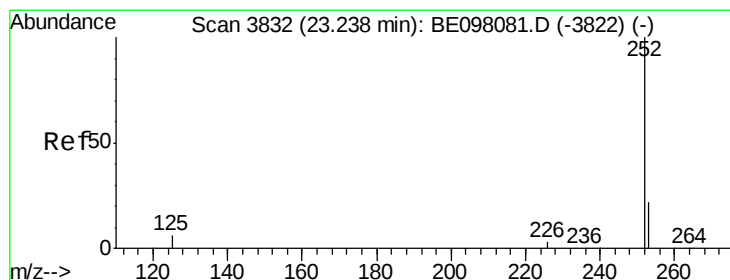
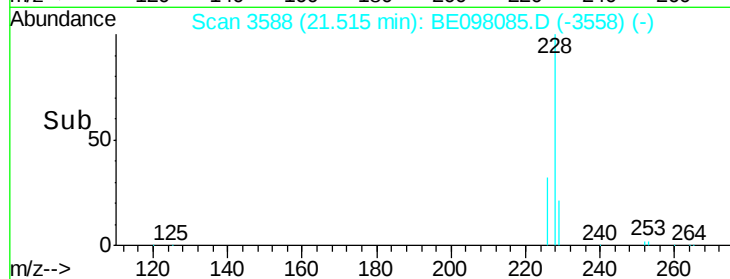
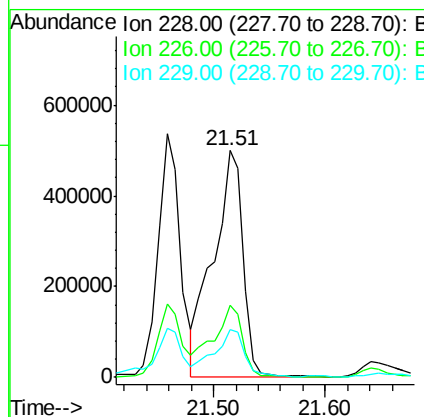
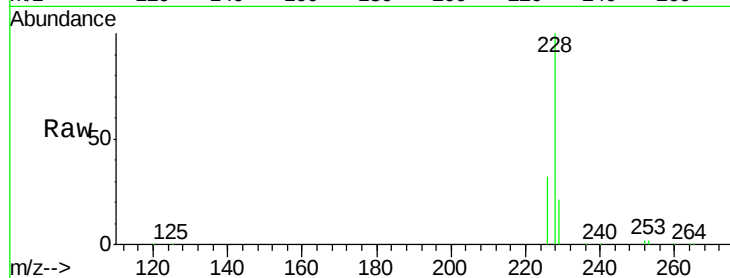
ClientSampleId :

C0AE2

Tgt Ion:	228	Resp:	928089
Ion Ratio	Lower	Upper	
228	100		
226	32.0	24.6	37.0
229	21.1	16.4	24.6

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#21

Benzo(b)fluoranthene

Concen: 54.880 ng/ul m

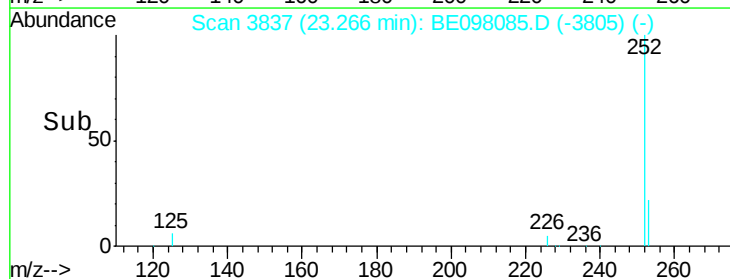
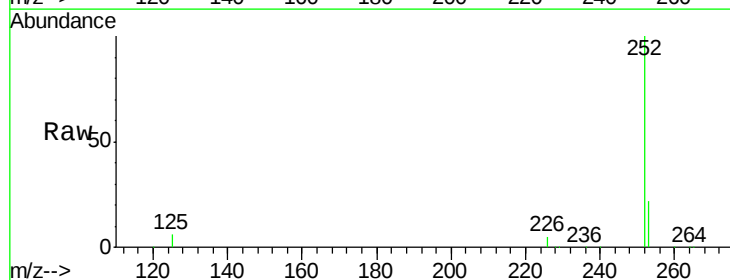
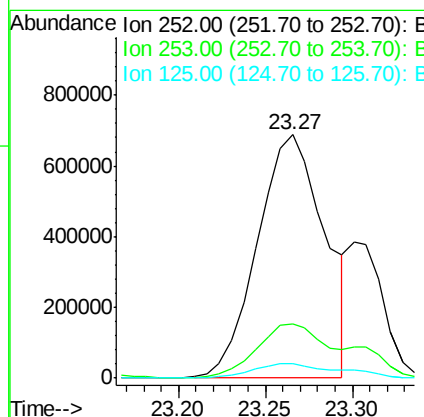
RT: 23.27 min Scan# 3837

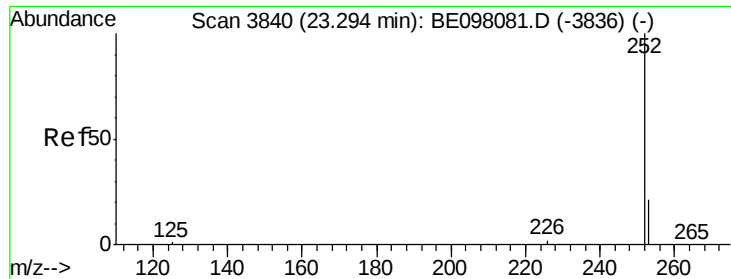
Delta R.T. 0.03 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Tgt Ion:	252	Resp:	1858088
Ion Ratio	Lower	Upper	
252	100		
253	22.3	0.0	47.8
125	5.9	0.0	16.8





#22

Benzo(k)fluoranthene

Concen: 15.574 ng/ul m

RT: 23.30 min Scan# 3842

Delta R.T. 0.01 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Instrument :

BNA_E

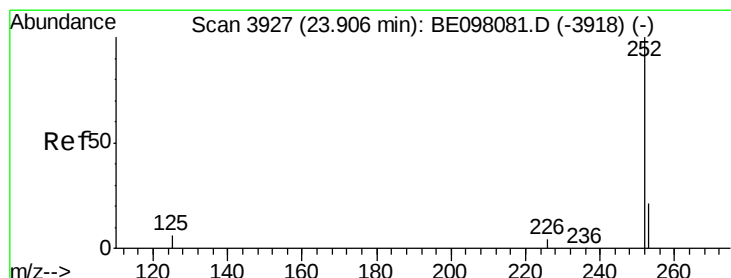
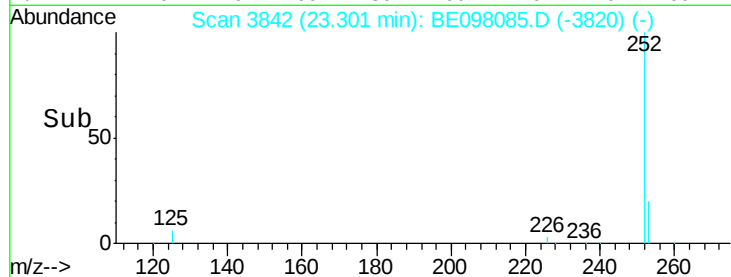
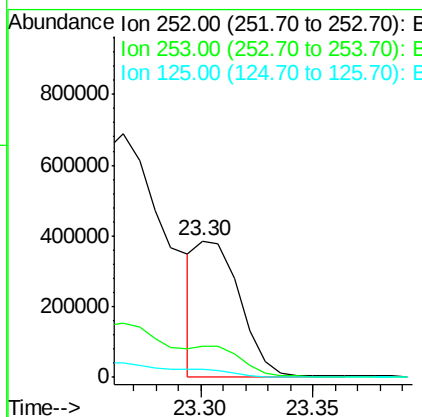
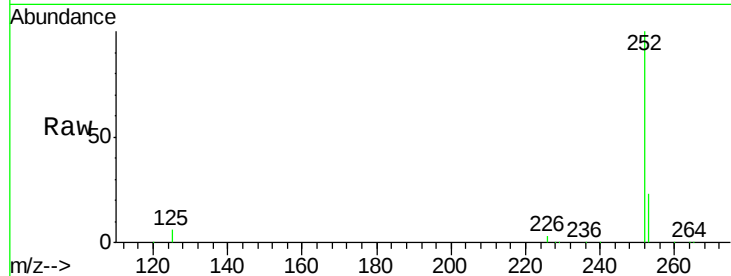
ClientSampleId :

C0AE2

Tgt Ion:	252	Resp:	516140
Ion Ratio	Lower	Upper	
252	100		
253	22.8	19.3	28.9
125	5.7	6.2	9.2#

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#23

Benzo(a)pyrene

Concen: 20.082 ng/ul m

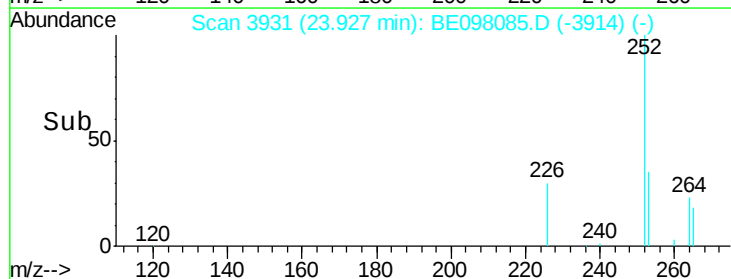
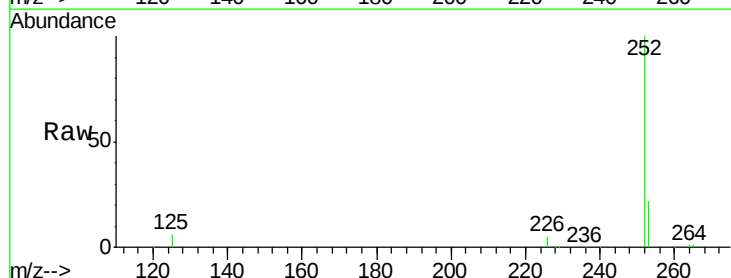
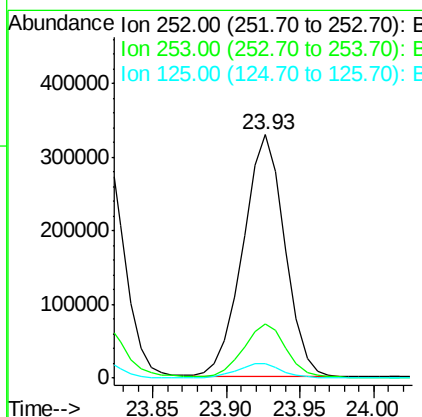
RT: 23.93 min Scan# 3931

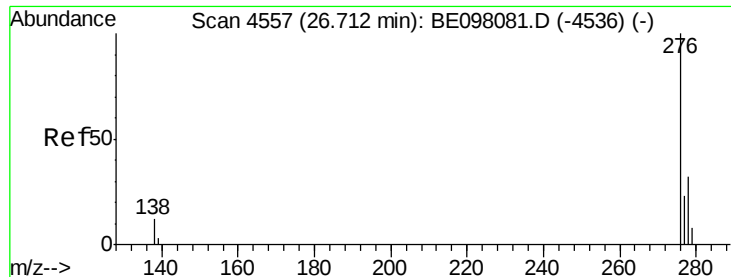
Delta R.T. 0.02 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Tgt Ion:	252	Resp:	653930
Ion Ratio	Lower	Upper	
252	100		
253	22.4	19.4	29.2
125	6.1	7.8	11.8#





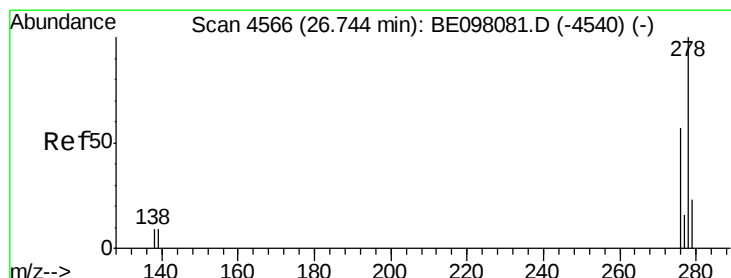
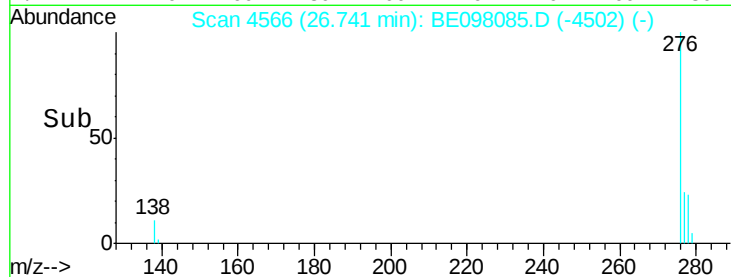
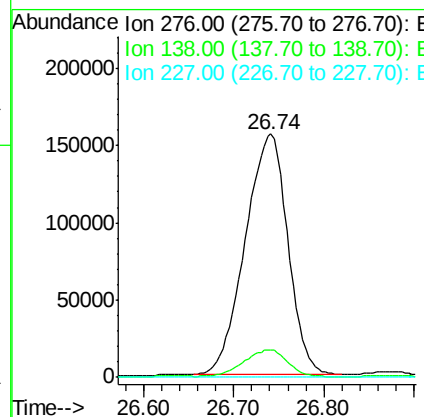
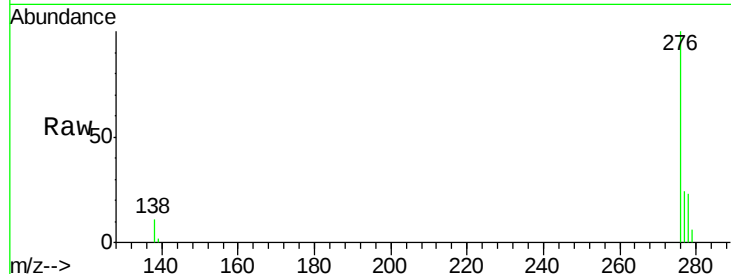
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 13.791 ng/ul m
 RT: 26.74 min Scan# 4566
 Delta R.T. 0.03 min
 Lab File: BE098085.D
 Acq: 26 Oct 2018 12:27

Instrument :
 BNA_E
 ClientSampleId :
 C0AE2

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	514598		
138	11.3		11.8	17.8#
227	0.0		0.0	0.0

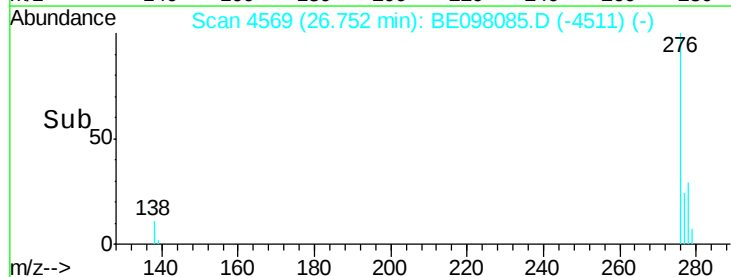
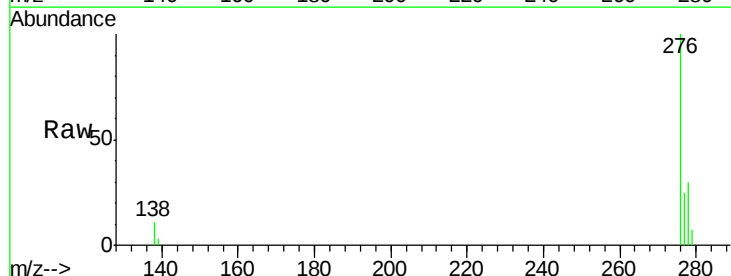
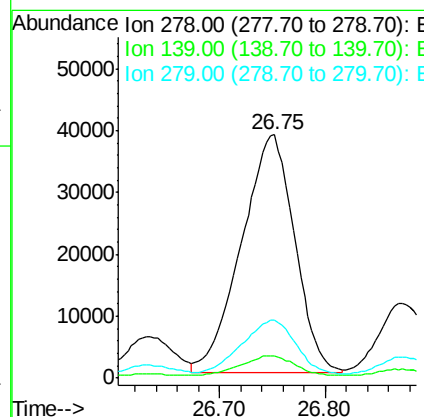
Manual Integrations
 APPROVED

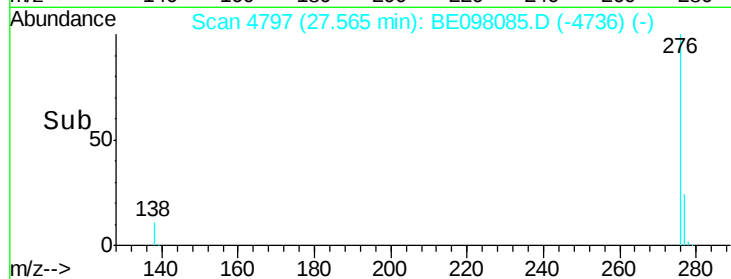
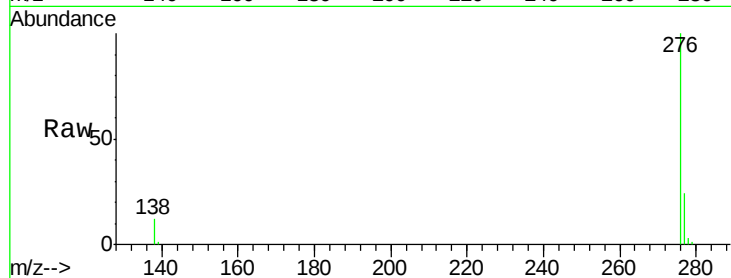
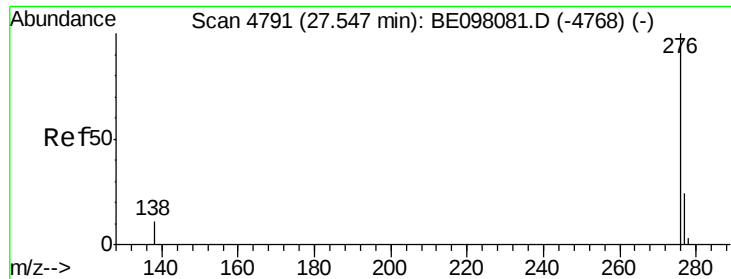
Sohil
 10/29/2018 3:09:18 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 4.350 ng/ul m
 RT: 26.75 min Scan# 4569
 Delta R.T. 0.01 min
 Lab File: BE098085.D
 Acq: 26 Oct 2018 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	135289		
139	8.9		10.0	15.0#
279	24.0		20.3	30.5





#26

Benzo(g,h,i)perylene

Concen: 12.237 ng/ul m

RT: 27.57 min Scan# 4797

Delta R.T. 0.02 min

Lab File: BE098085.D

Acq: 26 Oct 2018 12:27

Instrument :

BNA_E

ClientSampleId :

C0AE2

Tgt	Ion	276	Resp:	384384
Ion	Ratio	Lower	Upper	
276	100			
138	11.6	11.6	17.4	
277	23.9	20.8	31.2	

Manual Integrations
APPROVED

Sohil
10/29/2018 3:09:18 PM

