

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE090718\
 Data File : BE097426.D
 Acq On : 7 Sep 2018 15:49
 Operator : SJ/JU
 Sample : J4688-19MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A3Z22MS

Manual Integrations
 APPROVED

Sohil
 9/11/2018 2:42:52 PM

Quant Time: Sep 08 00:43:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 07 23:49:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	983	0.40	ng/ul	0.00
2) Naphthalene-d8	10.12	136	5488	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.01	164	4385	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.76	188	9935	0.40	ng/ul	0.00
16) Chrysene-d12	20.97	240	11003	0.40	ng/ul	0.00
20) Perylene-d12	23.20	264	11889	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.71	152	2144	0.25	ng/ul	0.00
14) Fluoranthene-d10	18.80	212	7493	0.23	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.17	128	18412	1.376	ng/ul#	92
5) 2-Methylnaphthalene	11.79	142	13361	1.580	ng/ul	99
7) Acenaphthylene	13.72	152	25351	1.587	ng/ul	99
8) Acenaphthene	14.07	153	18593	1.353	ng/ul	96
9) Fluorene	15.07	166	16922	1.075	ng/ul#	89
11) Pentachlorophenol	16.42	266	468	0.478	ng/ul	92
12) Phenanthrene	16.80	178	338278	13.227	ng/ul#	90
13) Anthracene	16.89	178	64889	3.018	ng/ul#	94
15) Fluoranthene	18.84	202	743099	22.618	ng/ul	83
17) Pyrene	19.20	202	687006	23.203	ng/ul#	79
18) Benzo(a)anthracene	20.96	228	371265	13.135	ng/ul#	85
19) Chrysene	21.00	228	429493	13.189	ng/ul	97
21) Benzo(b)fluoranthene	22.54	252	594104m	18.660	ng/ul	
22) Benzo(k)fluoranthene	22.58	252	202918m	5.715	ng/ul	
23) Benzo(a)pyrene	23.10	252	346500	11.764	ng/ul#	78
24) Indeno(1,2,3-cd)pyrene	25.50	276	262623	6.879	ng/ul#	78
25) Dibenzo(a,h)anthracene	25.51	278	72661	2.246	ng/ul	93
26) Benzo(g,h,i)perylene	26.20	276	243846	7.492	ng/ul#	90

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

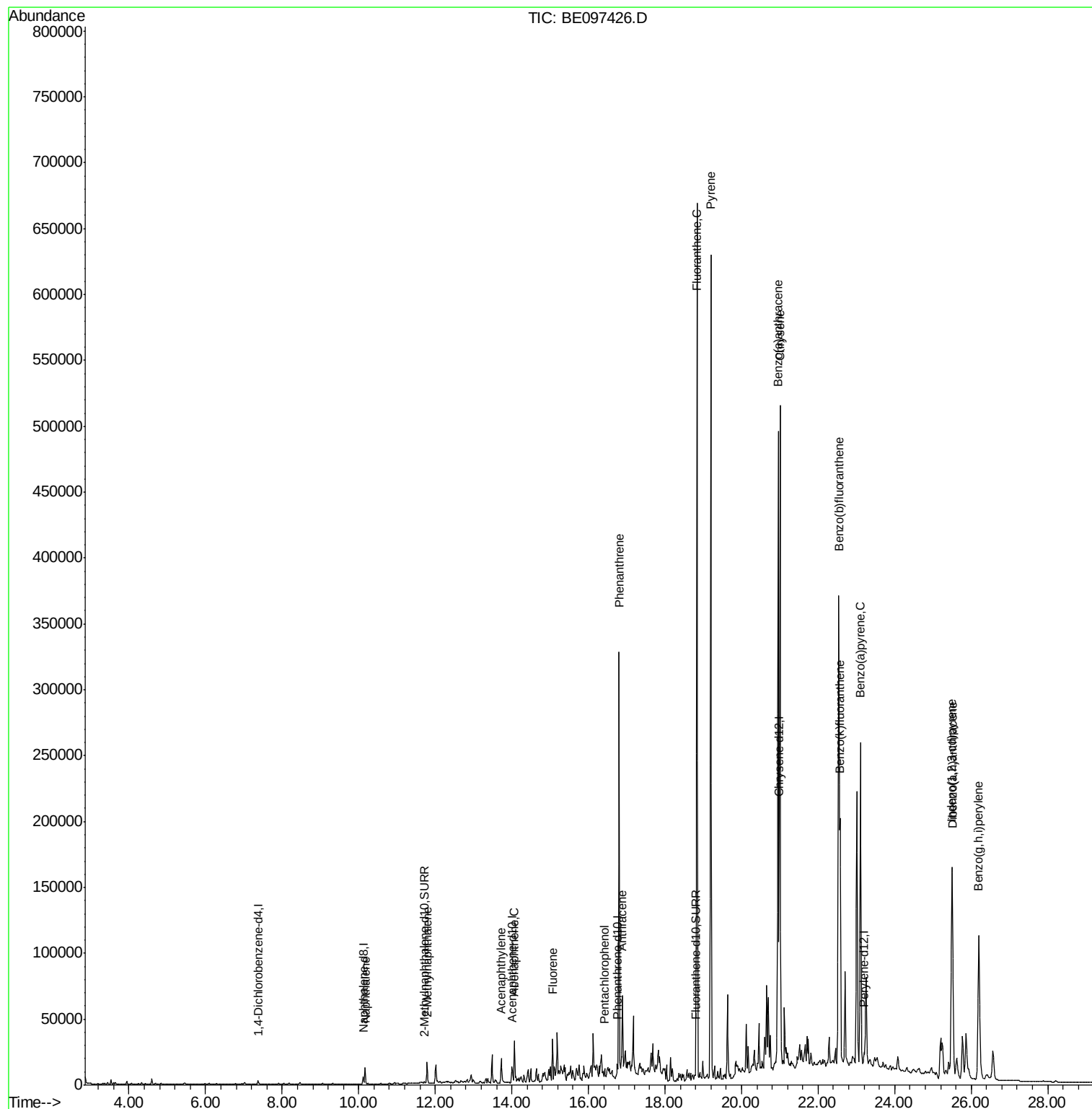
Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE090718\
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ALS Vial : 12 Sample Multiplier: 1

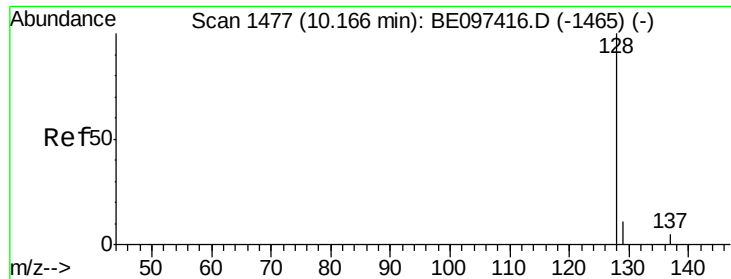
Instrument :
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Quant Time: Sep 08 00:43:48 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE082918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 07 23:49:56 2018
Response via : Initial Calibration





#3

Naphthalene

Concen: 1.376 ng/ul

RT: 10.17 min Scan# 1477

Delta R.T. -0.00 min

Lab File: BE097426.D

Acq: 7 Sep 2018 15:49

Instrument :

BNA_E

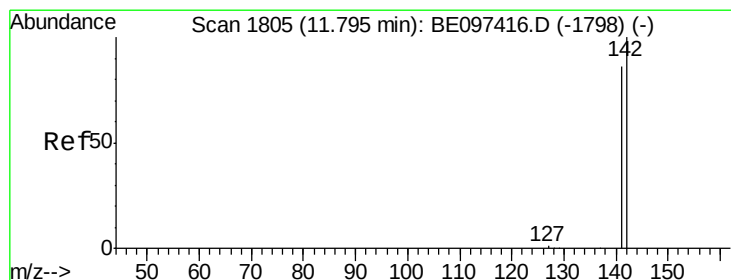
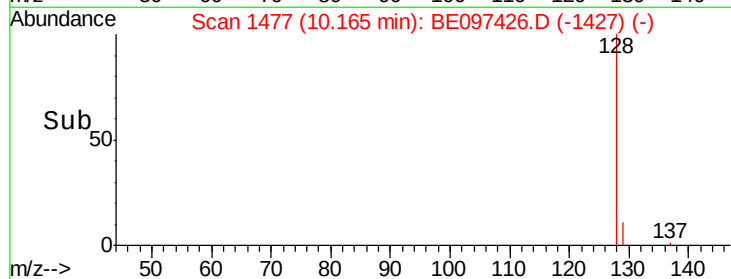
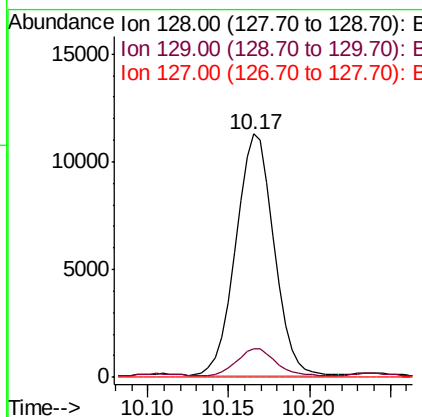
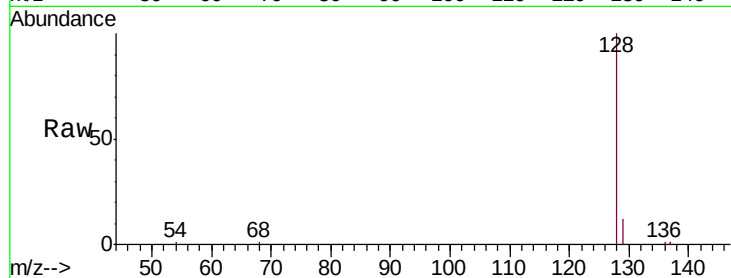
ClientSampleId :

A3Z22MS

Tgt Ion:	128	Resp:	18412
Ion Ratio	Lower	Upper	
128	100		
129	11.8	11.3	16.9
127	0.0	4.0	6.0

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#5

2-Methylnaphthalene

Concen: 1.580 ng/ul

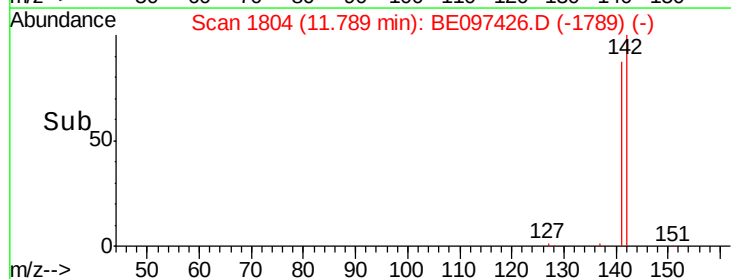
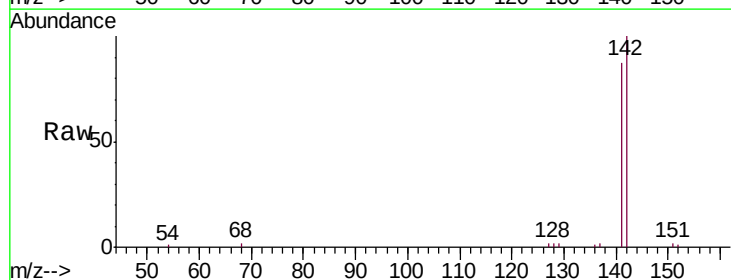
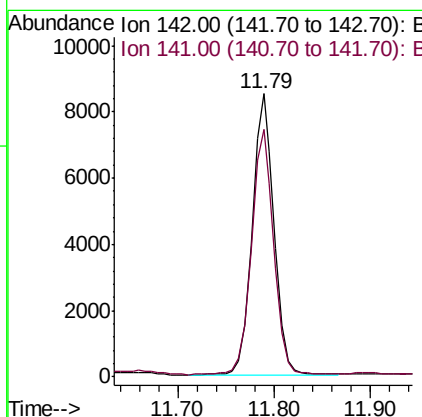
RT: 11.79 min Scan# 1804

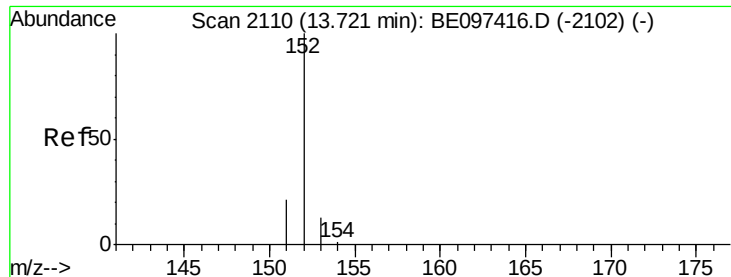
Delta R.T. -0.01 min

Lab File: BE097426.D

Acq: 7 Sep 2018 15:49

Tgt Ion:	142	Resp:	13361
Ion Ratio	Lower	Upper	
142	100		
141	89.4	72.6	108.8





#7

Acenaphthylene

Concen: 1.587 ng/ul

RT: 13.72 min Scan# 2111

Delta R.T. 0.00 min

Lab File: BE097426.D

Acq: 7 Sep 2018 15:49

Instrument :

BNA_E

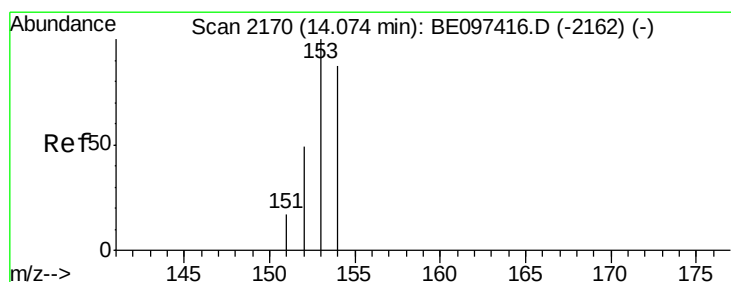
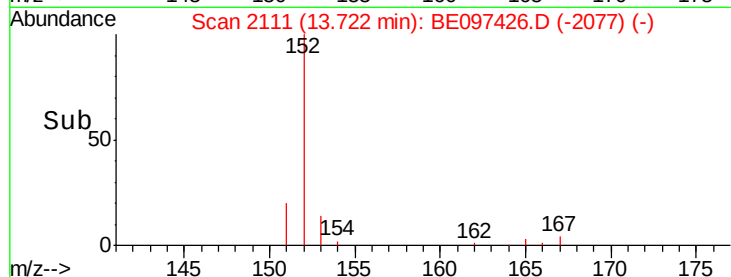
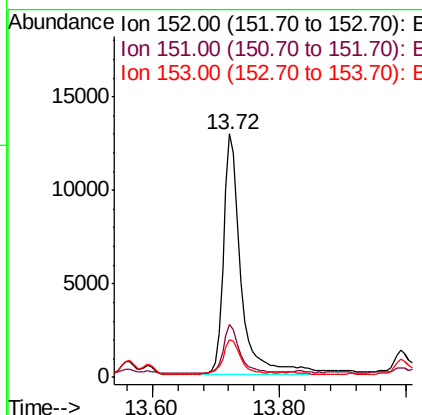
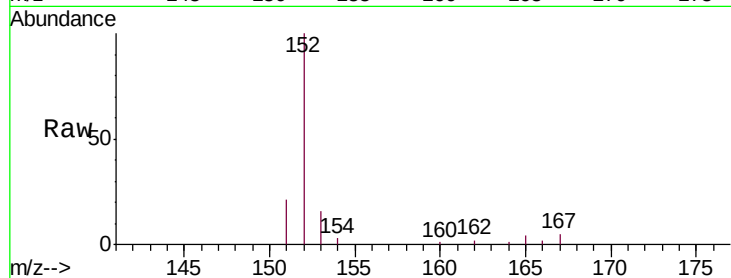
ClientSampleId :

A3Z22MS

Tgt Ion:	152	Resp:	25351
Ion Ratio	Lower	Upper	
152	100		
151	21.5	17.1	25.7
153	15.6	12.8	19.2

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#8

Acenaphthene

Concen: 1.353 ng/ul

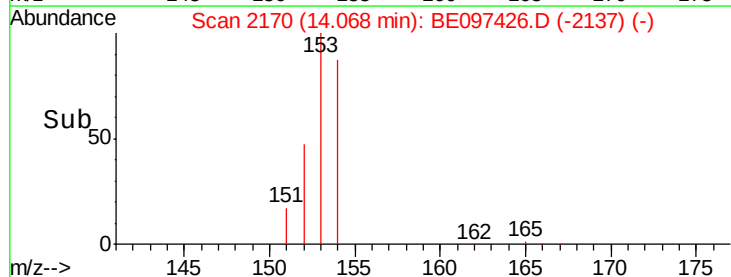
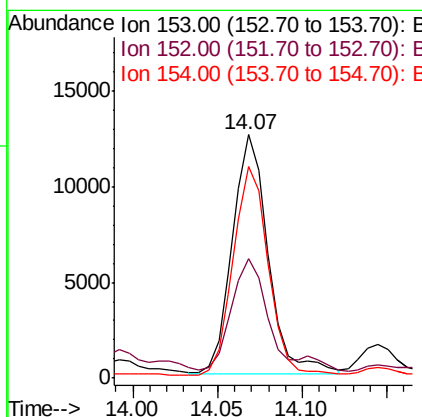
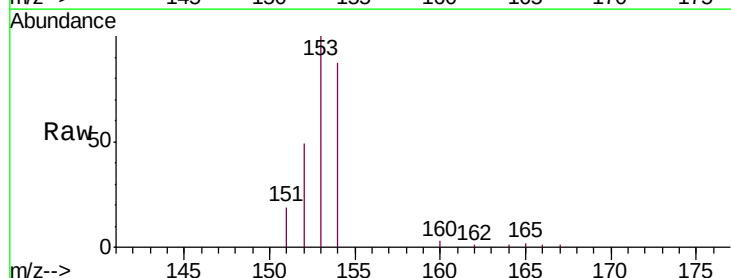
RT: 14.07 min Scan# 2170

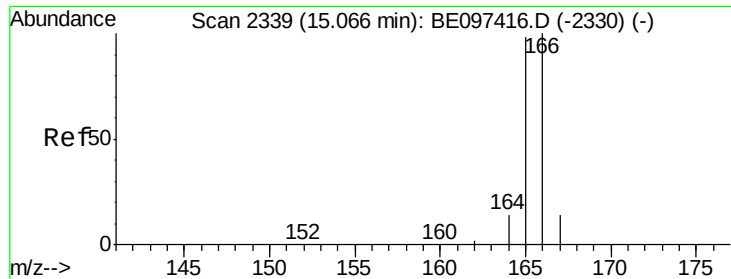
Delta R.T. -0.01 min

Lab File: BE097426.D

Acq: 7 Sep 2018 15:49

Tgt Ion:	153	Resp:	18593
Ion Ratio	Lower	Upper	
153	100		
152	49.3	36.0	54.0
154	87.0	72.0	108.0





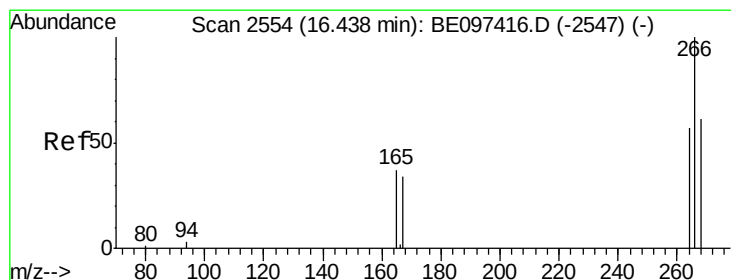
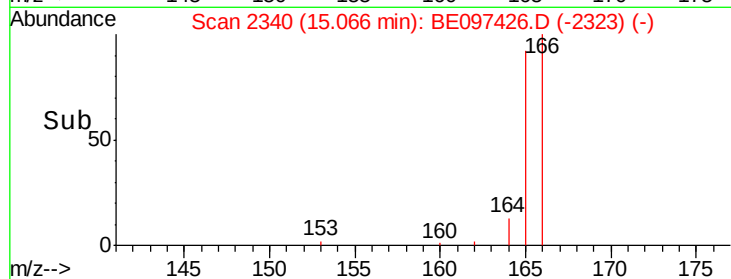
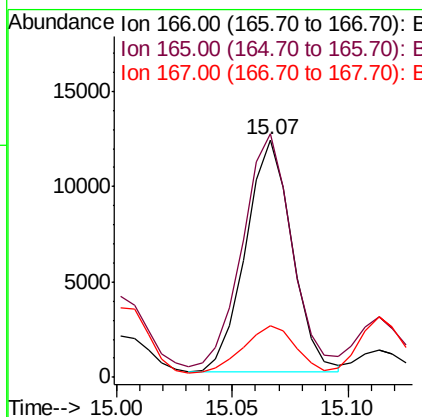
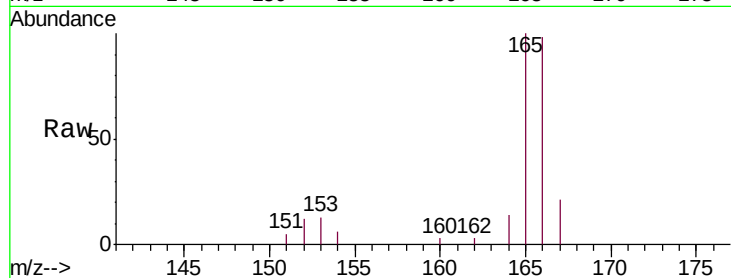
#9
Fluorene
 Concen: 1.075 ng/ul
 RT: 15.07 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: BE097426.D
 Acq: 7 Sep 2018 15:49

Instrument :
 BNA_E
 ClientSampleId :
 A3Z22MS

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.5	73.4	110.2
167	22.0	14.6	22.0#

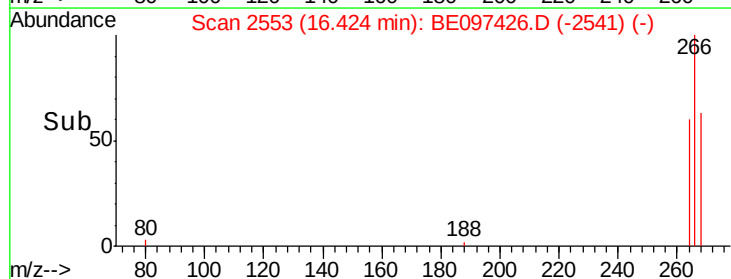
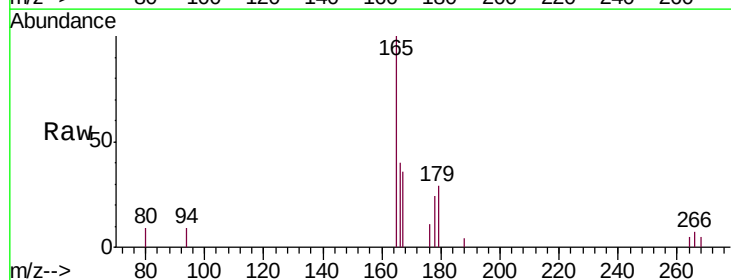
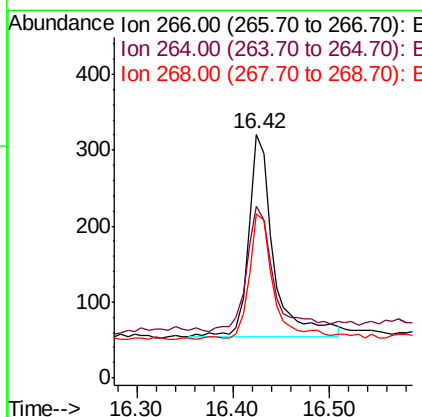
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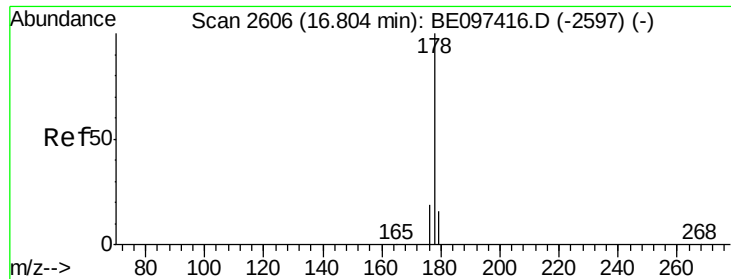
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#11
Pentachlorophenol
 Concen: 0.478 ng/ul
 RT: 16.42 min Scan# 2553
 Delta R.T. -0.01 min
 Lab File: BE097426.D
 Acq: 7 Sep 2018 15:49

Tgt Ion	Ratio	Lower	Upper
266	100		
264	69.9	47.9	71.9
268	59.6	49.8	74.8





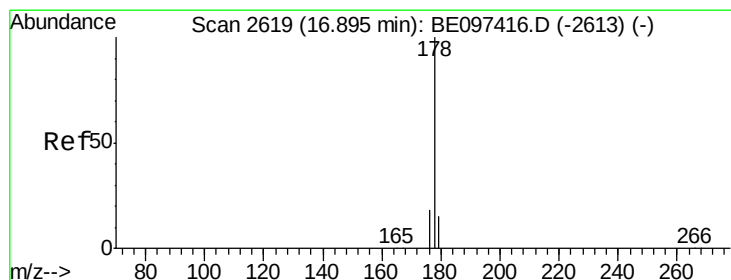
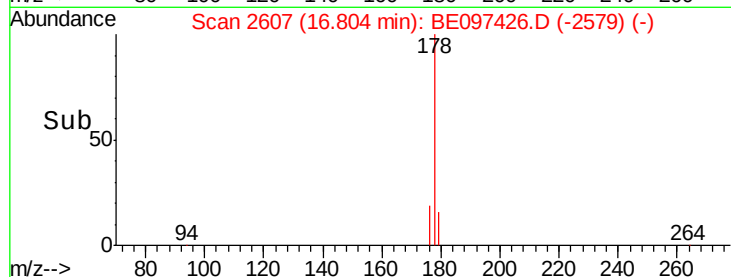
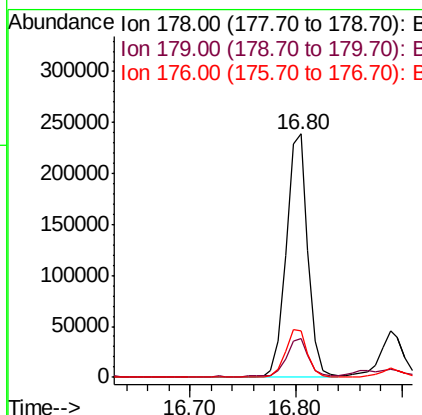
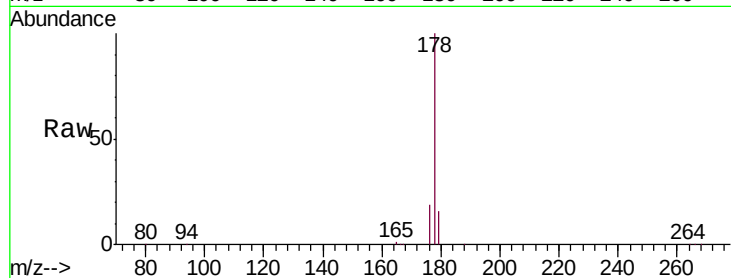
#12
Phenanthrene
Concen: 13.227 ng/ul
RT: 16.80 min Scan# 2607
Delta R.T. 0.00 min
Lab File: BE097426.D
Acq: 7 Sep 2018 15:49

Instrument :
BNA_E
ClientSampleId :
A3Z22MS

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	18.4	27.6#
176	19.2	13.6	20.4

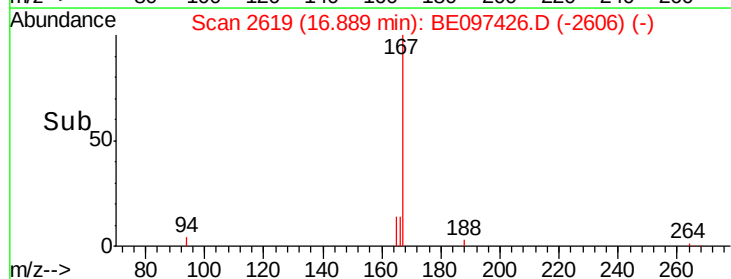
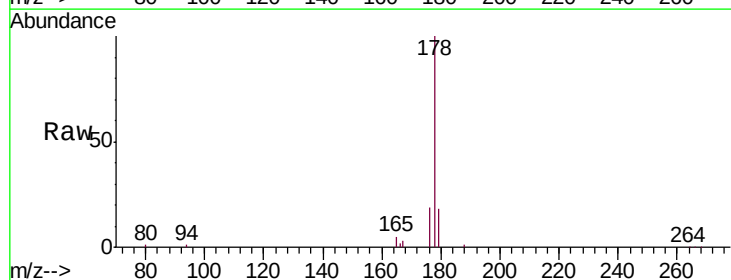
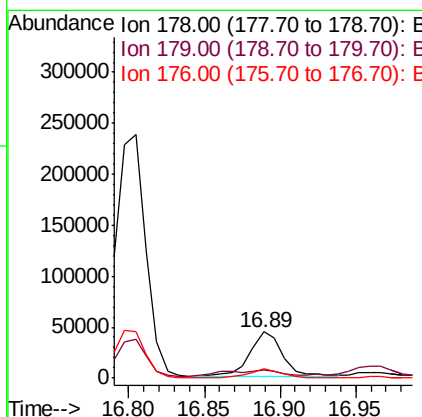
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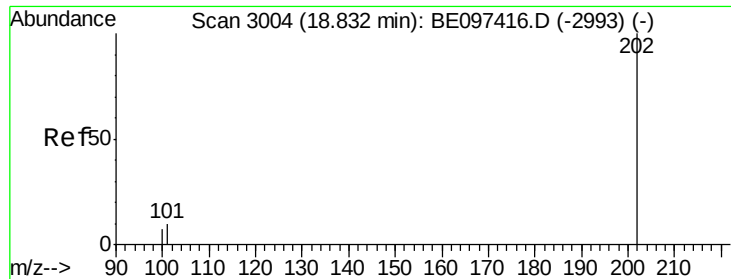
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#13
Anthracene
Concen: 3.018 ng/ul
RT: 16.89 min Scan# 2619
Delta R.T. -0.01 min
Lab File: BE097426.D
Acq: 7 Sep 2018 15:49

Tgt Ion	Ratio	Lower	Upper
178	100		
179	17.9	18.1	27.1#
176	19.3	14.7	22.1





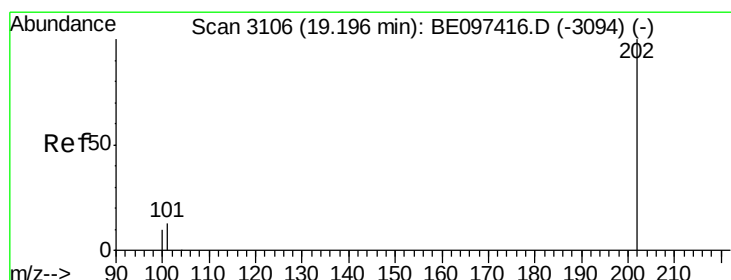
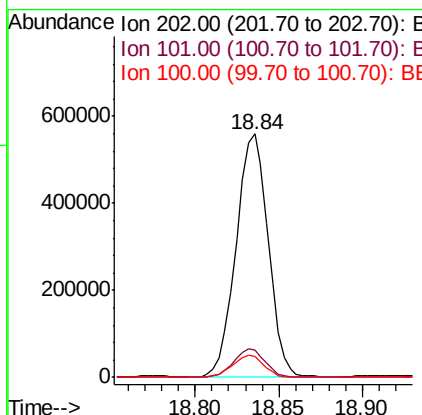
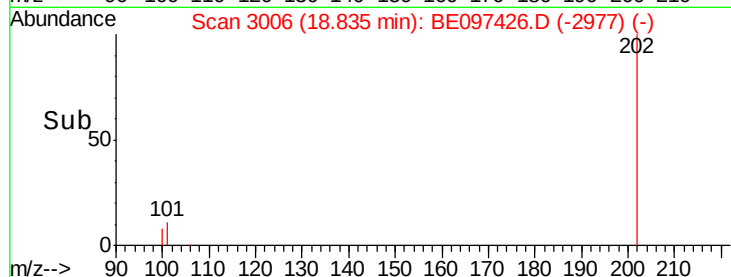
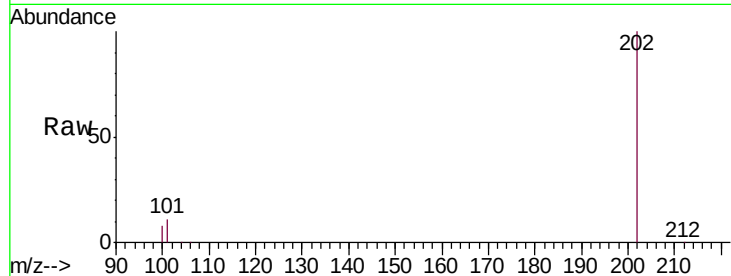
#15
Fluoranthene
Concen: 22.618 ng/ul
RT: 18.84 min Scan# 3006
Delta R.T. 0.00 min
Lab File: BE097426.D
Acq: 7 Sep 2018 15:49

Instrument :
BNA_E
ClientSampleId :
A3Z22MS

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	743099		
101	11.0	0.0	30.3	
100	8.4	0.0	39.5	

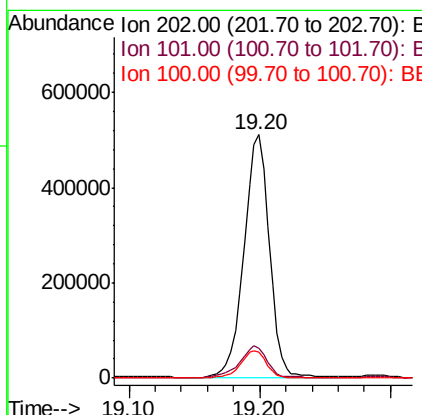
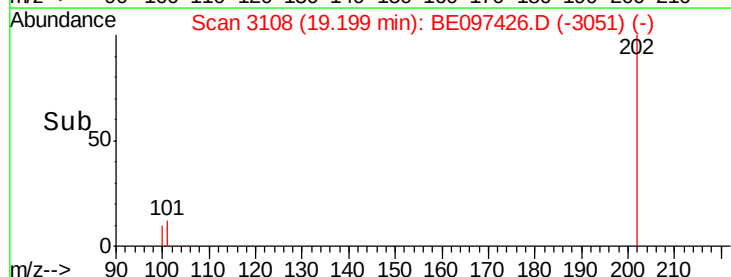
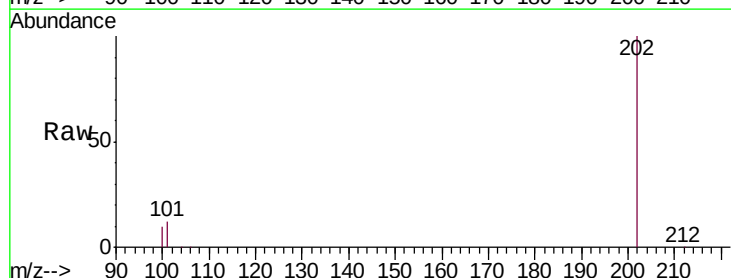
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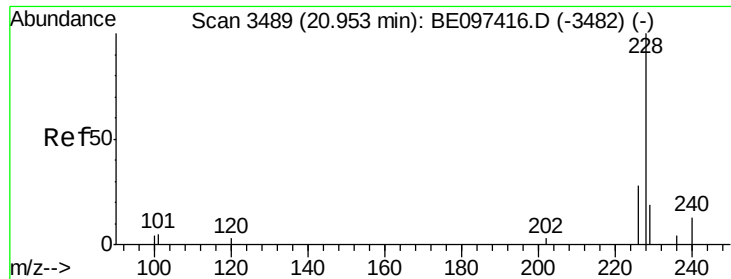
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#17
Pyrene
Concen: 23.203 ng/ul
RT: 19.20 min Scan# 3108
Delta R.T. 0.00 min
Lab File: BE097426.D
Acq: 7 Sep 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	687006		
101	12.5	18.2	27.4#	
100	10.4	15.6	23.4#	





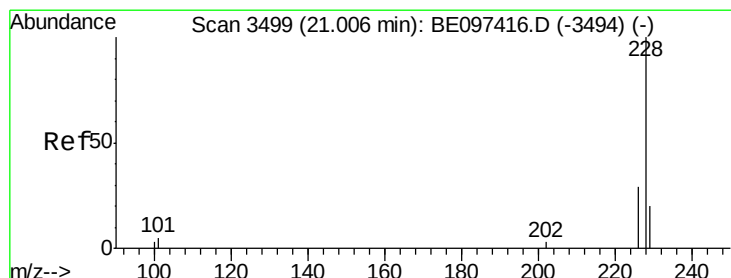
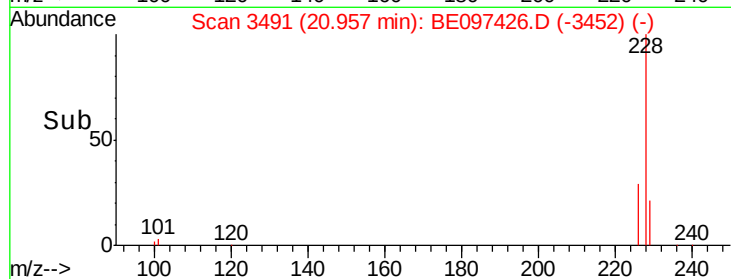
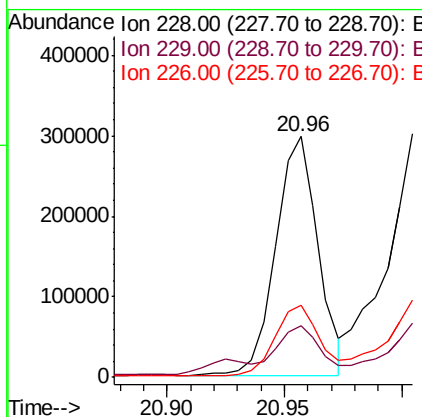
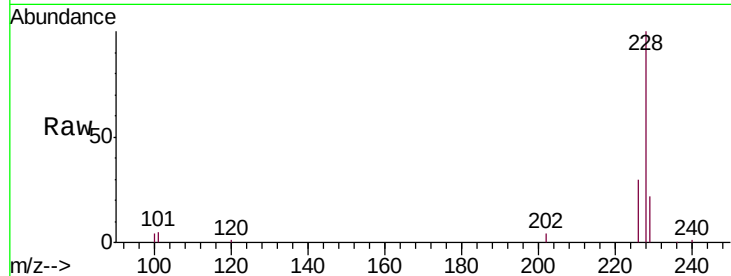
#18
Benzo(a)anthracene
Concen: 13.135 ng/ul
RT: 20.96 min Scan# 3491
Delta R.T. 0.00 min
Lab File: BE097426.D
Acq: 7 Sep 2018 15:49

Instrument :
BNA_E
ClientSampleId :
A3Z22MS

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	371265		
229	21.6	22.8	34.2#	
226	29.9	17.0	25.6#	

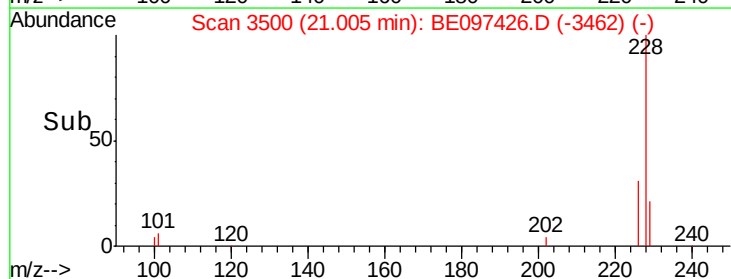
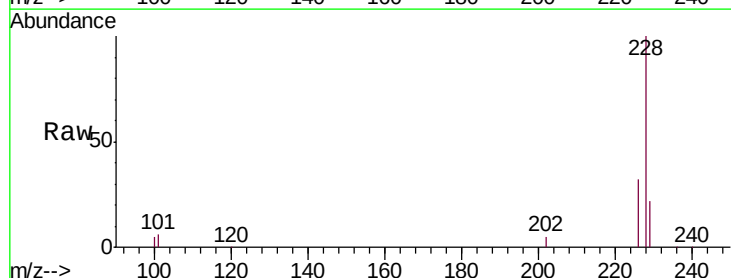
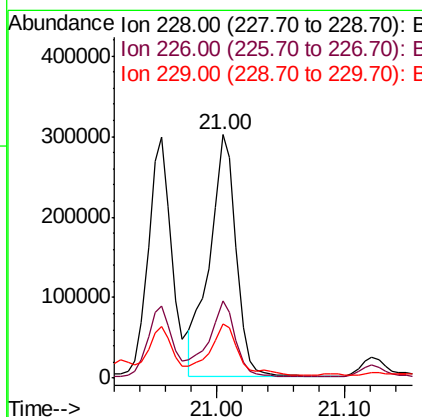
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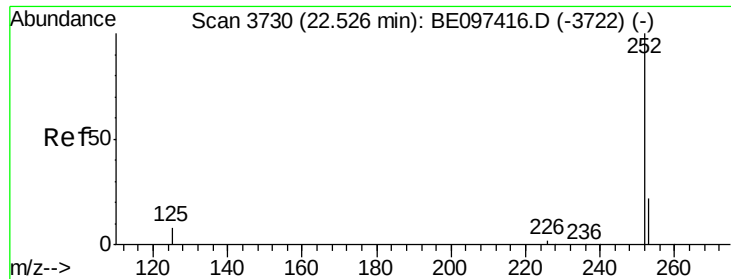
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#19
Chrysene
Concen: 13.189 ng/ul
RT: 21.00 min Scan# 3500
Delta R.T. -0.00 min
Lab File: BE097426.D
Acq: 7 Sep 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	429493		
226	31.5	23.4	35.0	
229	22.3	17.7	26.5	





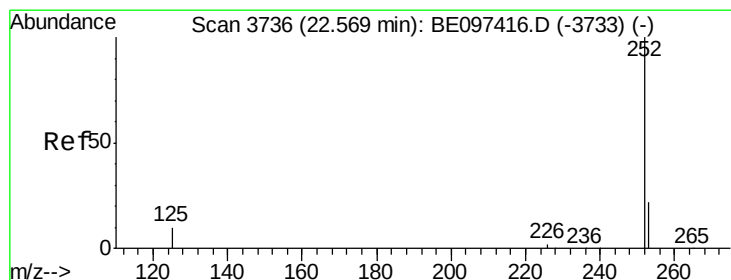
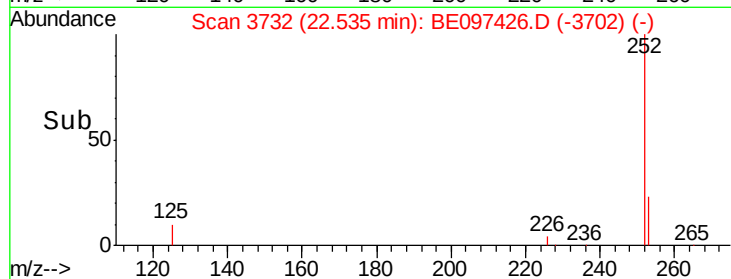
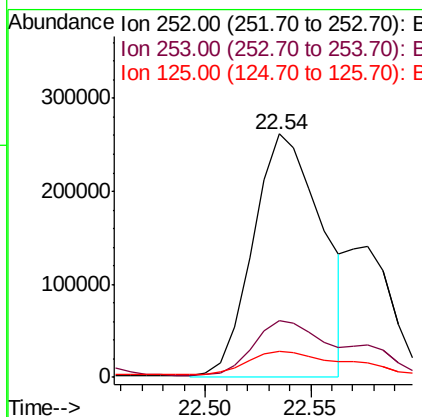
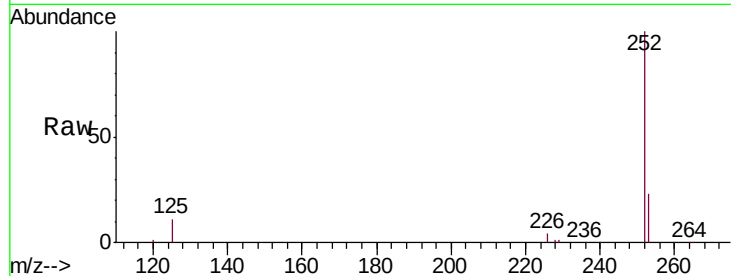
#21
Benzo(b)fluoranthene
Concen: 18.660 ng/ul m
RT: 22.54 min Scan# 3732
Delta R.T. 0.01 min
Lab File: BE097426.D
Acq: 7 Sep 2018 15:49

Instrument :
BNA_E
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A3Z22MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.3	0.0	64.2
125	10.8	0.0	35.0

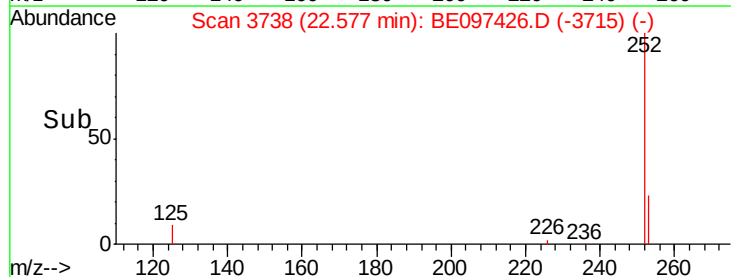
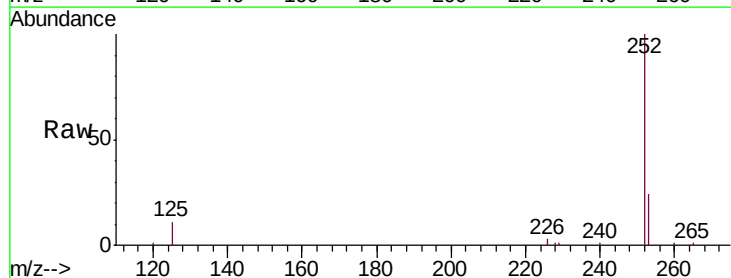
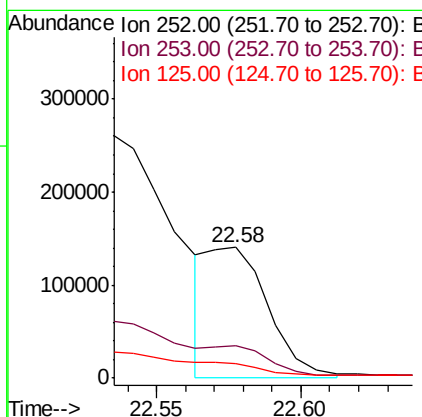
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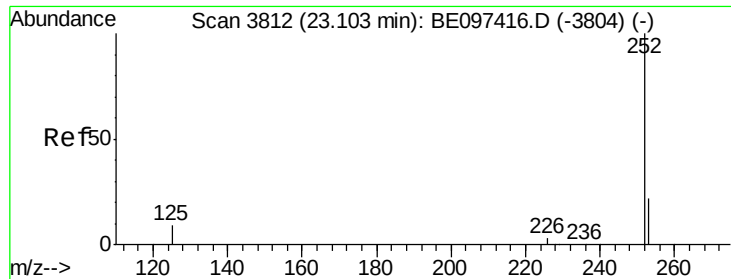
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#22
Benzo(k)fluoranthene
Concen: 5.715 ng/ul m
RT: 22.58 min Scan# 3738
Delta R.T. 0.01 min
Lab File: BE097426.D
Acq: 7 Sep 2018 15:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.5	24.5	36.7#
125	11.1	13.7	20.5#





#23

Benzo(a)pyrene

Concen: 11.764 ng/ul

RT: 23.10 min Scan# 3813

Delta R.T. 0.00 min

Lab File: BE097426.D

Acq: 7 Sep 2018 15:49

Instrument :

BNA_E

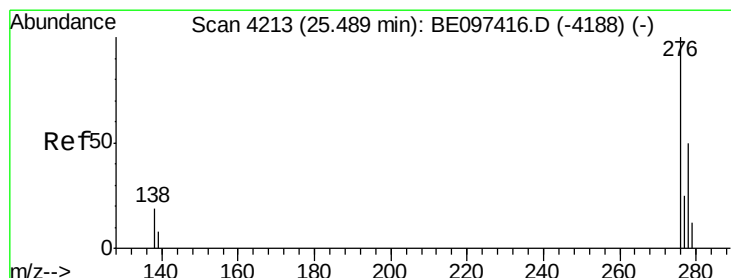
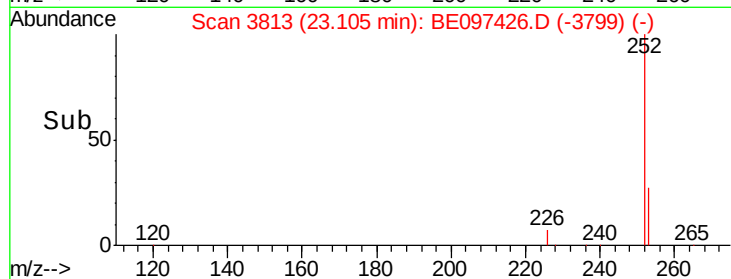
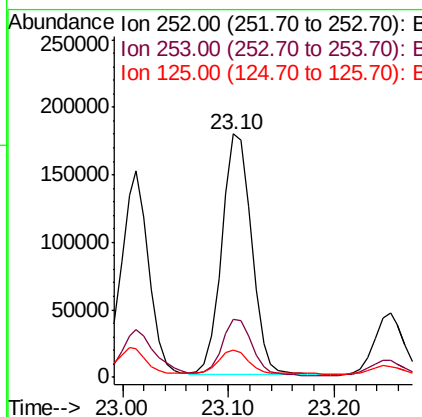
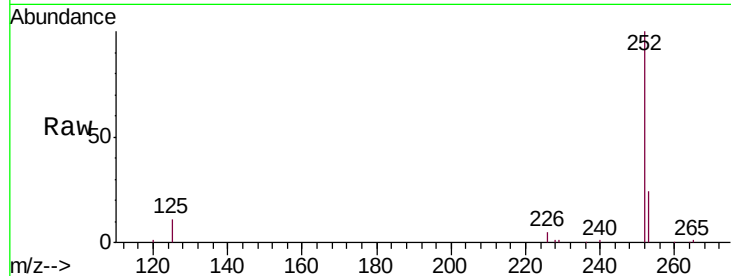
ClientSampleId :

A3Z22MS

Tgt Ion:	252	Resp:	346500
Ion Ratio	Lower	Upper	
252	100		
253	23.6	28.5	42.7#
125	11.3	18.1	27.1#

Manual Integrations
APPROVED

Sohil
9/11/2018 2:42:52 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 6.879 ng/ul

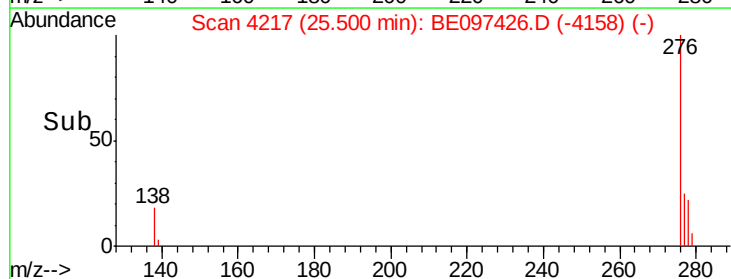
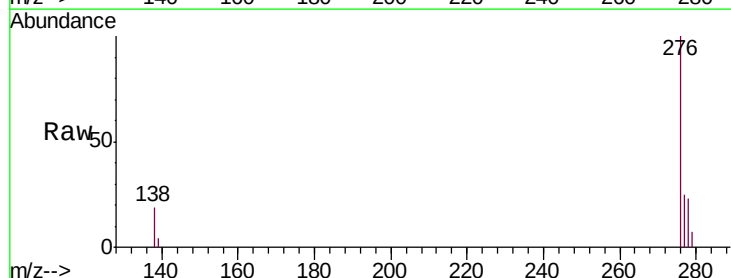
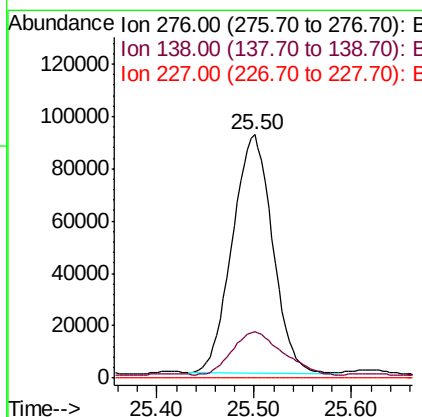
RT: 25.50 min Scan# 4217

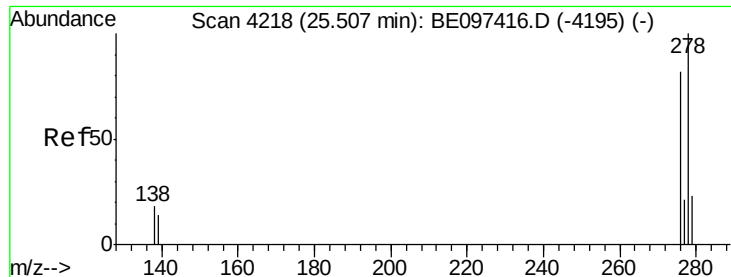
Delta R.T. 0.01 min

Lab File: BE097426.D

Acq: 7 Sep 2018 15:49

Tgt Ion:	276	Resp:	262623
Ion Ratio	Lower	Upper	
276	100		
138	23.2	28.0	42.0#
227	0.0	8.0	12.0#





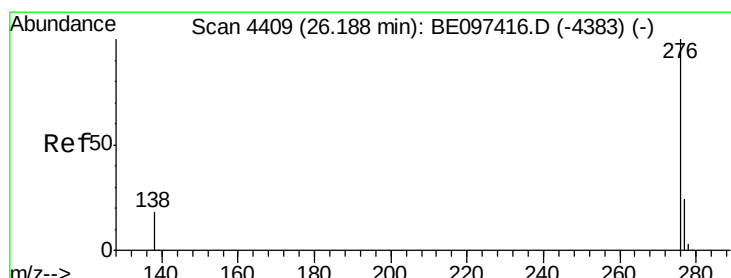
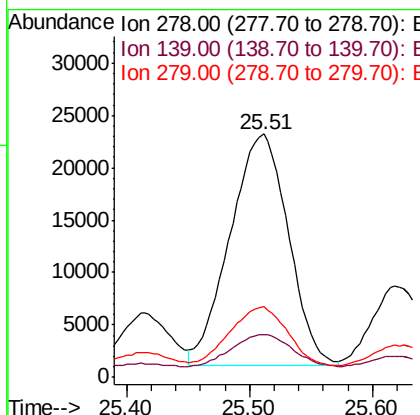
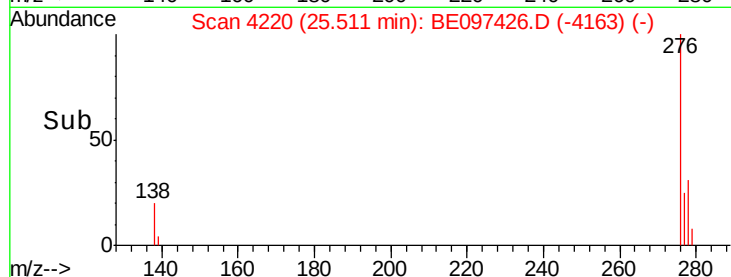
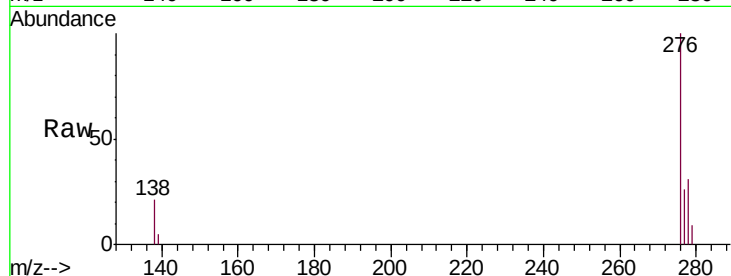
#25
Dibenzo(a,h)anthracene
Concen: 2.246 ng/ul
RT: 25.51 min Scan# 4220
Delta R.T. 0.00 min
Lab File: BE097426.D
Acq: 7 Sep 2018 15:49

Instrument :
BNA_E
ClientSampleId :
A3Z22MS

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.7	17.4	26.0
279	28.9	25.9	38.9

Manual Integrations
APPROVED

Sohil
9/11/2018 2:42:52 PM



#26
Benzo(g,h,i)perylene
Concen: 7.492 ng/ul
RT: 26.20 min Scan# 4412
Delta R.T. 0.01 min
Lab File: BE097426.D
Acq: 7 Sep 2018 15:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	21.8	32.8#
277	24.3	20.5	30.7

