

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040418\
 Data File : BE095946.D
 Acq On : 4 Apr 2018 14:26
 Operator : SJ/JU
 Sample : J2148-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-2B

Manual Integrations
 APPROVED

Sohil
 4/5/2018 8:38:10 AM

Quant Time: Apr 05 03:44:34 2018
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 12:41:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.42	152	644	0.40	ng	0.00
7) Naphthalene-d8	11.26	136	2522	0.40	ng	0.00
13) Acenaphthene-d10	14.99	164	1375	0.40	ng	-0.01
19) Phenanthrene-d10	17.70	188	3050	0.40	ng	-0.01
27) Chrysene-d12	21.79	240	3415	0.40	ng	-0.01
34) Perylene-d12	24.42	264	3422	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.91	112	1530	0.72	ng	0.00
5) Phenol-d6	7.56	99	2318	0.79	ng	0.00
8) Nitrobenzene-d5	9.59	82	2271	0.76	ng	0.00
11) 2-Methylnaphthalene-d10	12.79	152	2877	0.68	ng	0.00
14) 2,4,6-Tribromophenol	16.46	330	565	0.71	ng	-0.01
15) 2-Fluorobiphenyl	13.63	172	4246	0.73	ng	-0.01
25) Fluoranthene-d10	19.68	212	24066	0.53	ng	0.00
29) Terphenyl-d14	20.24	244	4035	0.56	ng	0.00
Target Compounds						
9) Naphthalene	11.29	128	2072	0.072	ng	# 92
12) 2-Methylnaphthalene	12.86	142	115	0.023	ng	# 81
16) Acenaphthylene	14.73	152	331	0.042	ng	98
23) Phenanthrene	17.74	178	655	0.072	ng	# 93
24) Anthracene	17.82	178	185	0.020	ng	# 76
26) Fluoranthene	19.71	202	1141	0.090	ng	95
28) Pyrene	20.06	202	1422	0.102	ng	96
30) Benzo(a)anthracene	21.78	228	553	0.047	ng	# 63
31) Chrysene	21.83	228	705m	0.065	ng	
32) Bis(2-ethylhexyl)phthalate	21.64	149	15039	0.415	ng	99
33) Indeno(1,2,3-cd)pyrene	27.22	276	868m	0.075	ng	
39) Benzo(a,h,i)perylene	28.10	276	1192	0.118	ng	# 69

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

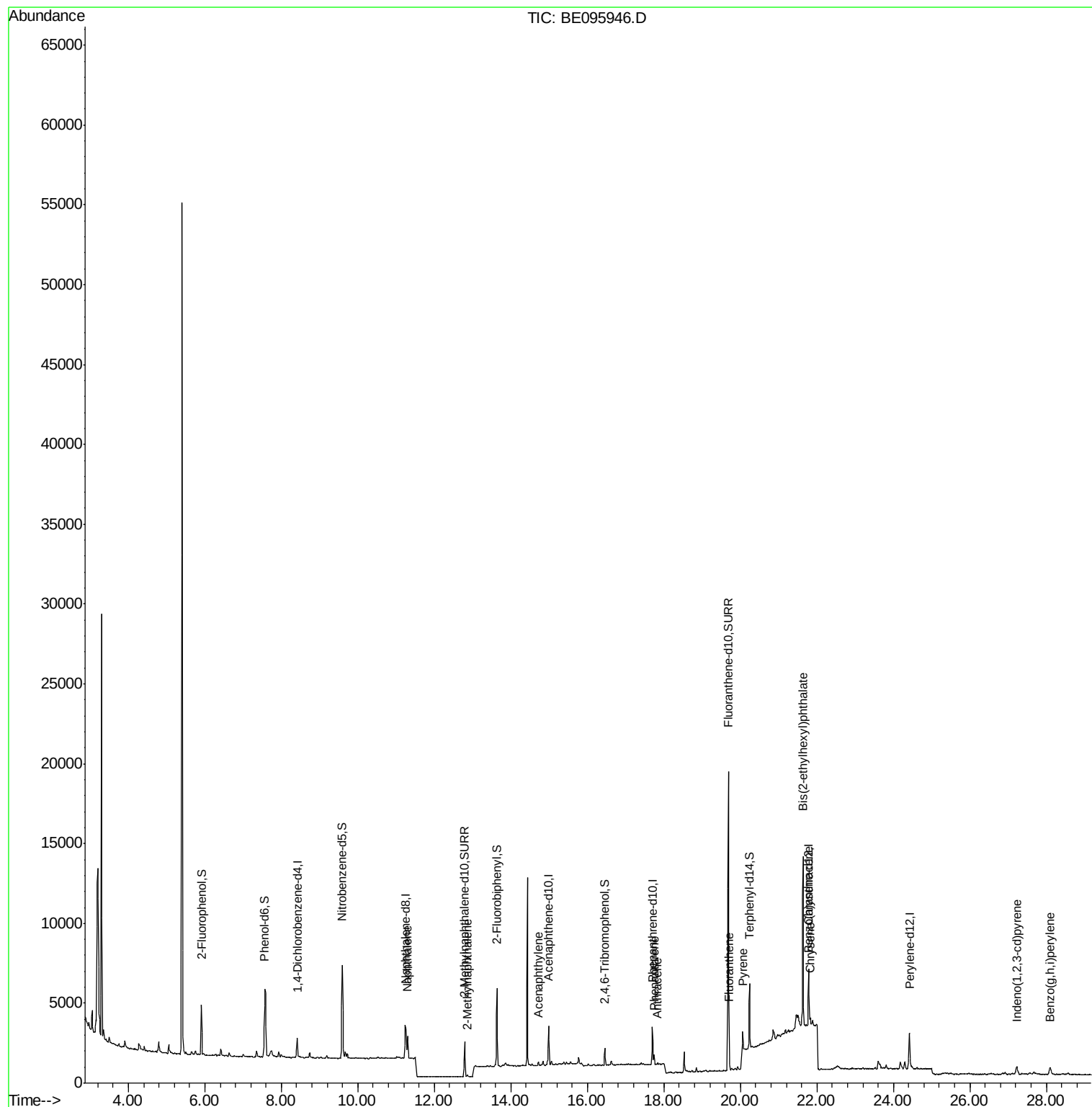
Data Path : Z:\HPCHEM1\BNA E\DATA\BE040418\
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ALS Vial : 9 Sample Multiplier: 1

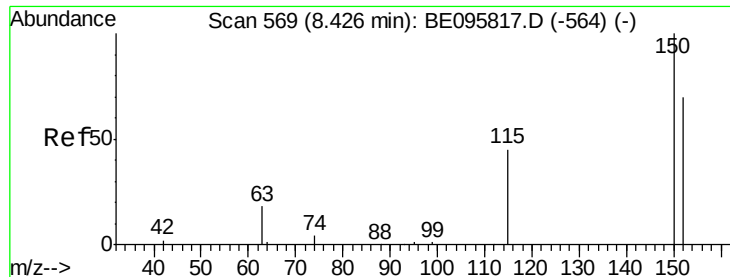
Instrument :
BNA_E
ClientSampleId :
SB-2B

Manual Integrations
APPROVED

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Quant Time: Apr 05 03:44:34 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE032318.M
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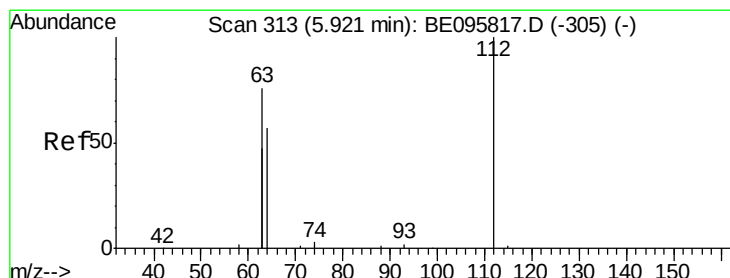
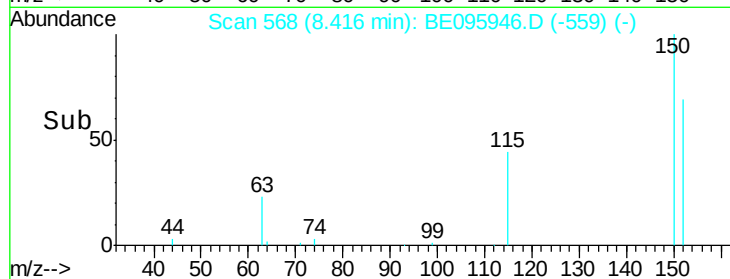
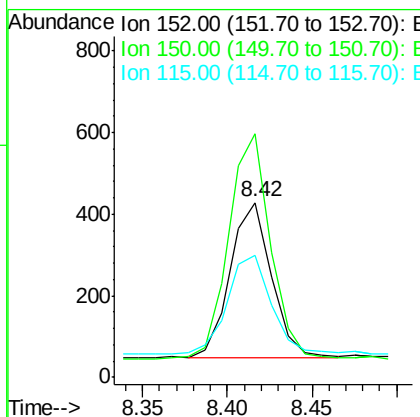
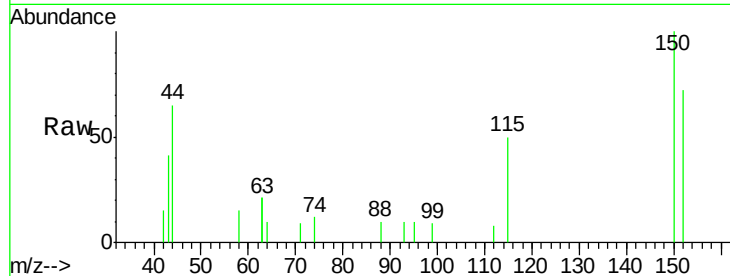
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.42 min Scan# 568
 Delta R.T. -0.01 min
 Lab File: BE095946.D
 Acq: 4 Apr 2018 14:26

Instrument :
 BNA_E
 ClientSampled :
 SB-2B

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.5	117.2	175.8
115	70.1	57.0	85.6

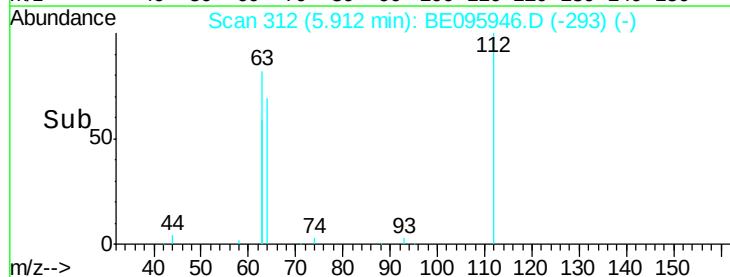
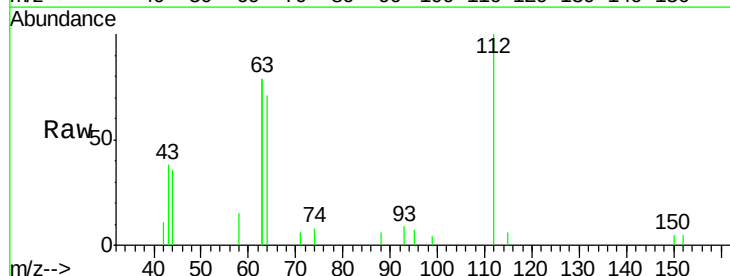
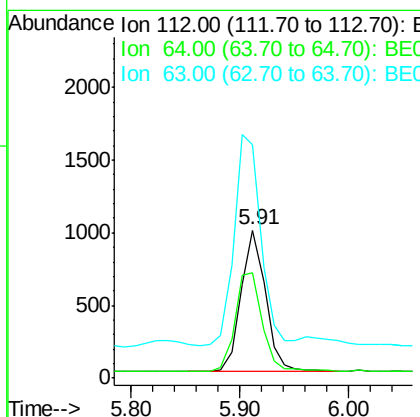
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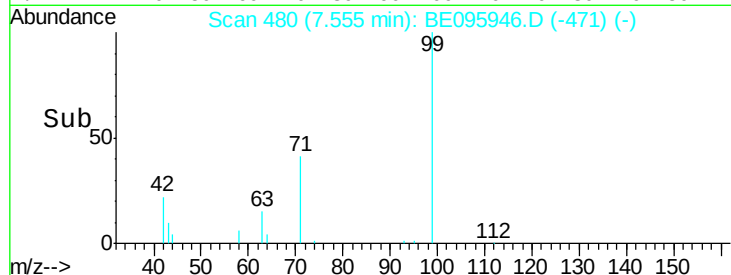
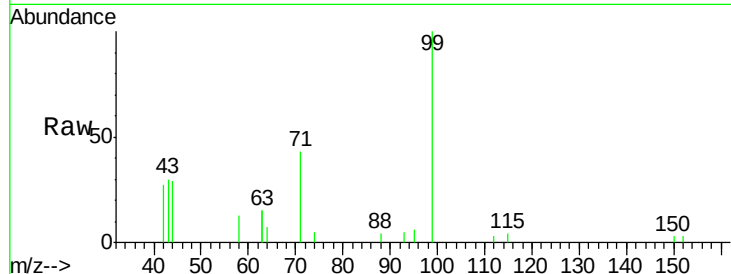
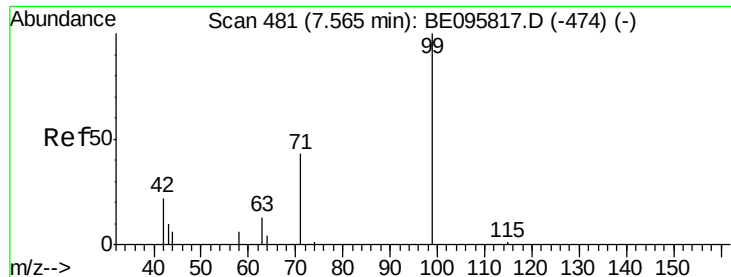
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#4
 2-Fluorophenol
 Concen: 0.721 ng
 RT: 5.91 min Scan# 312
 Delta R.T. -0.01 min
 Lab File: BE095946.D
 Acq: 4 Apr 2018 14:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.3	60.1	90.1
63	162.4	116.8	175.2





#5

Phenol-d6

Concen: 0.794 ng

RT: 7.56 min Scan# 480

Delta R.T. -0.01 min

Lab File: BE095946.D

Acq: 4 Apr 2018 14:26

Tot Ion:	99	Resp:	2318
Ion	Ratio	Lower	Upper
99	100		
42	31.4	20.2	30.2#
71	42.1	28.4	42.6

Instrument :

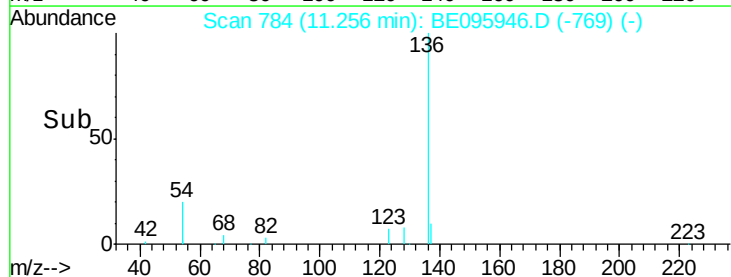
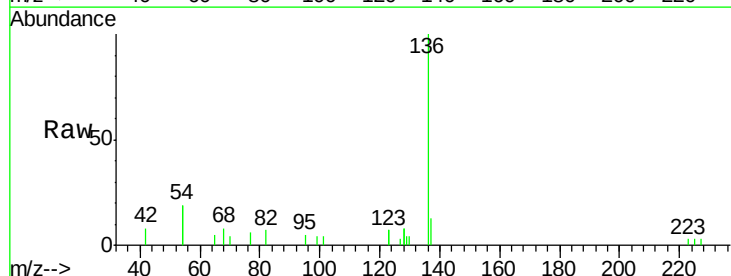
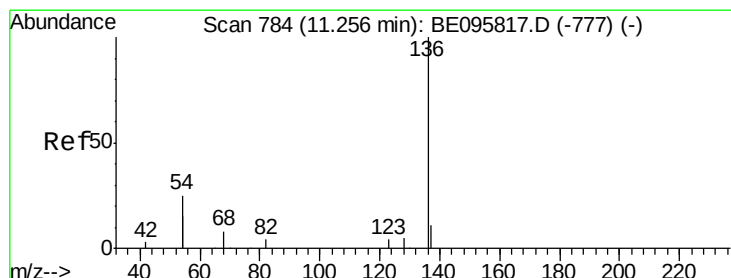
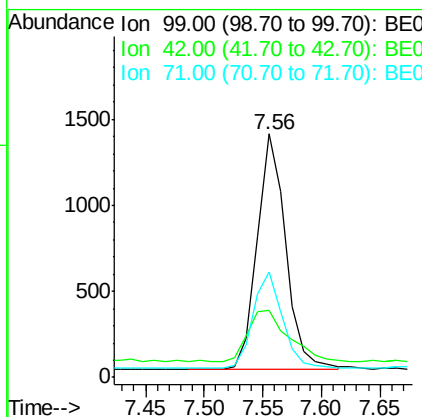
BNA_E

ClientSampleId :

SB-2B

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

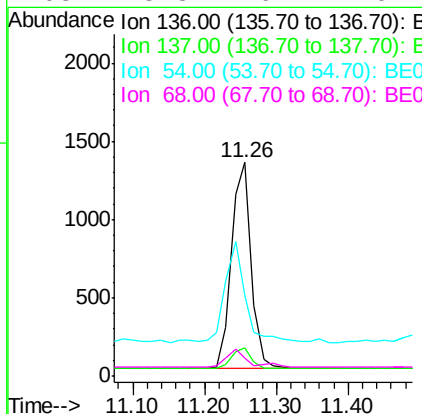
RT: 11.26 min Scan# 784

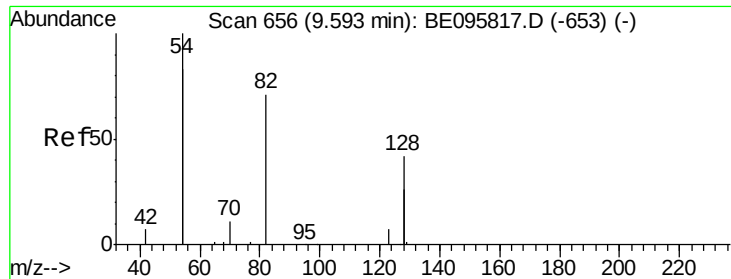
Delta R.T. -0.00 min

Lab File: BE095946.D

Acq: 4 Apr 2018 14:26

Tgt Ion:	136	Resp:	2522
Ion	Ratio	Lower	Upper
136	100		
137	13.3	9.5	14.3
54	37.9	29.1	43.7
68	8.3	6.2	9.2





#8

Nitrobenzene-d5

Concen: 0.762 ng

RT: 9.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE095946.D

Acq: 4 Apr 2018 14:26

Instrument :

BNA_E

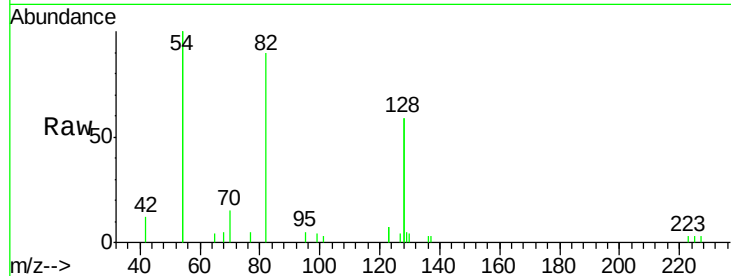
ClientSampled :

SB-2B

Tot Ion	Ratio	Lower	Upper
82	100		
128	130.4	150.0	225.0#
54	221.8	154.2	231.4

Manual Integrations
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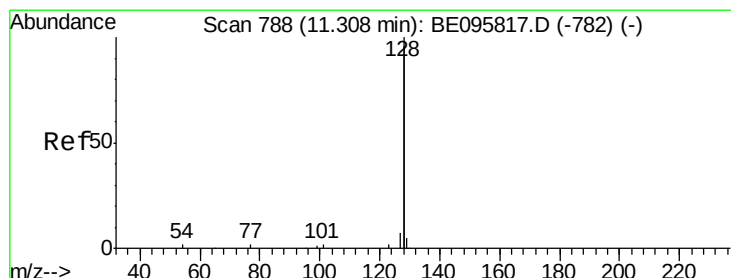
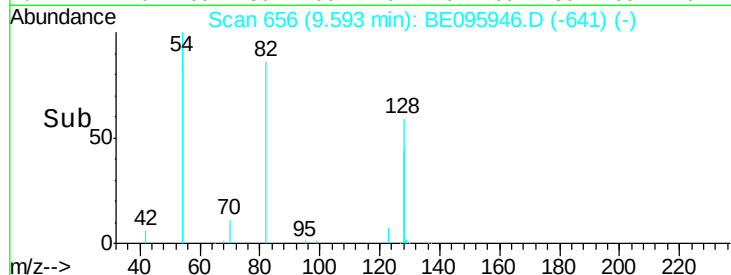
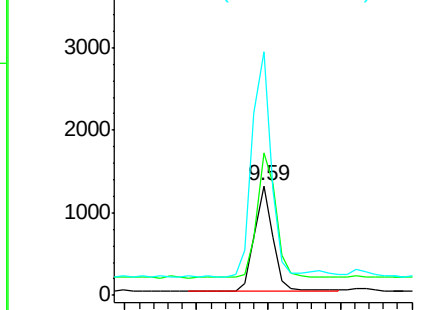
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Abundance Ion 82.00 (81.70 to 82.70): BE095817.D (-653) (-)

Ion 128.00 (127.70 to 128.70): BE095817.D (-653) (-)

Ion 54.00 (53.70 to 54.70): BE095817.D (-653) (-)



#9

Naphthalene

Concen: 0.072 ng

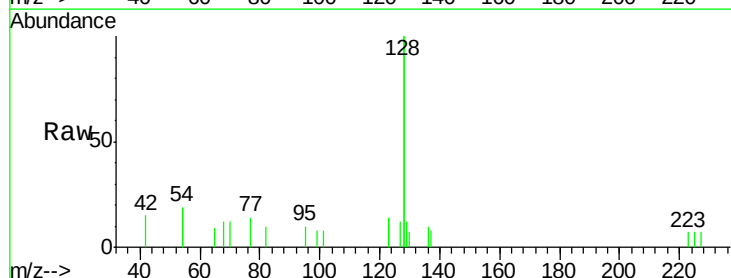
RT: 11.29 min Scan# 787

Delta R.T. -0.01 min

Lab File: BE095946.D

Acq: 4 Apr 2018 14:26

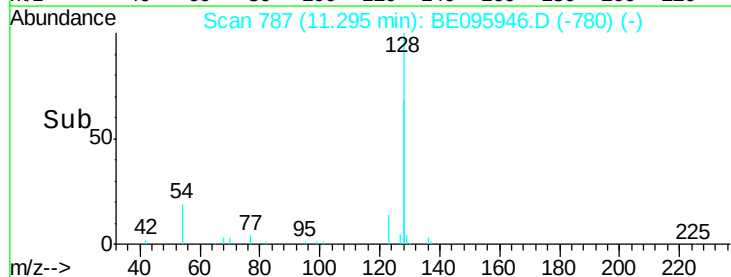
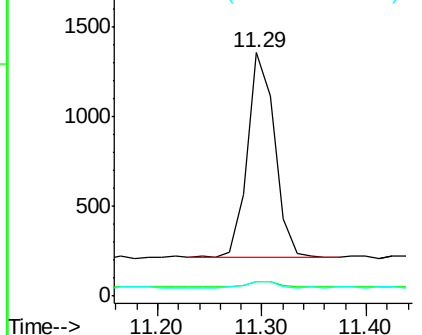
Tgt Ion	Ratio	Lower	Upper
128	100		
129	6.0	2.6	3.8#
127	6.0	2.8	4.2#

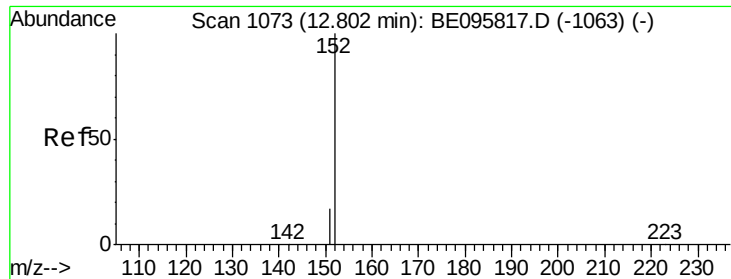


Abundance Ion 128.00 (127.70 to 128.70): BE095817.D (-782) (-)

Ion 129.00 (128.70 to 129.70): BE095817.D (-782) (-)

Ion 127.00 (126.70 to 127.70): BE095817.D (-782) (-)





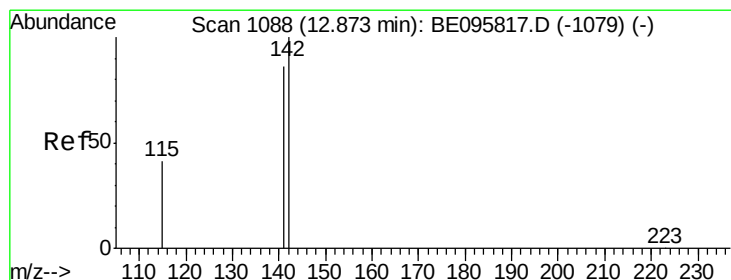
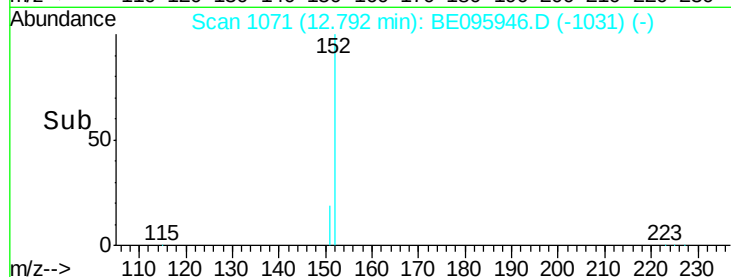
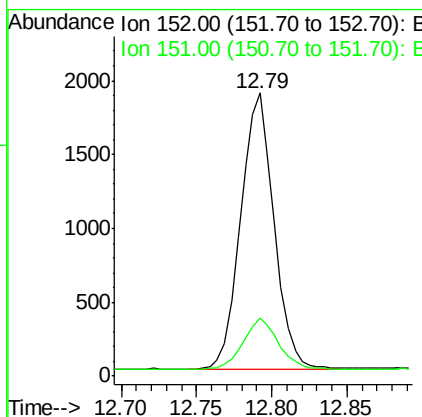
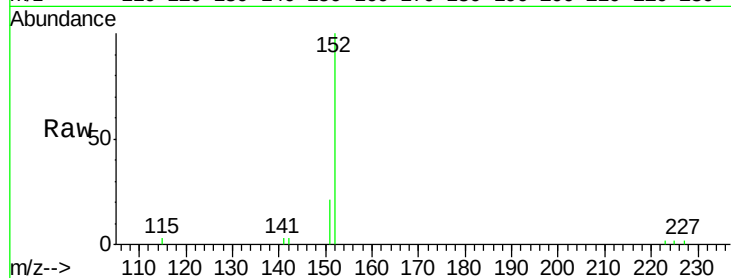
#11
2-Methylnaphthalene-d10
Concen: 0.683 ng
RT: 12.79 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BE095946.D
Acq: 4 Apr 2018 14:26

Instrument :
BNA_E
ClientSampleId :
SB-2B

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.0

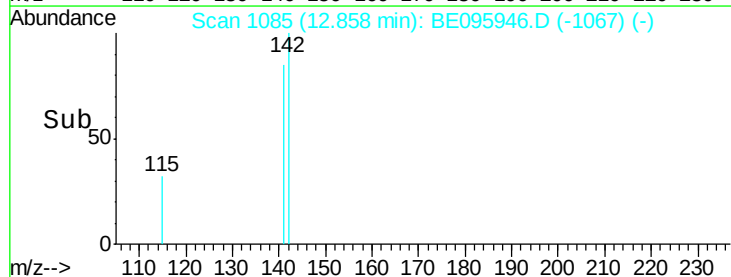
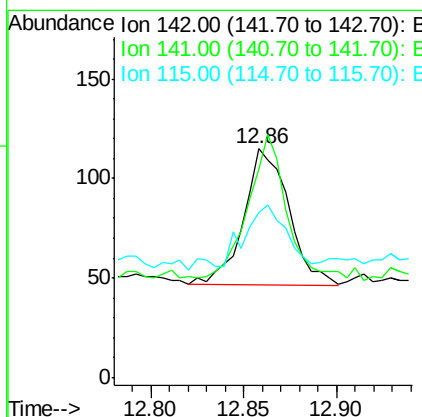
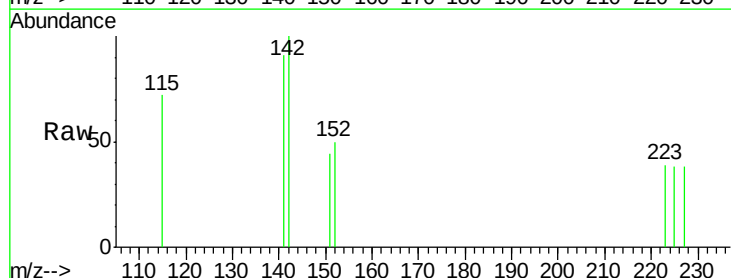
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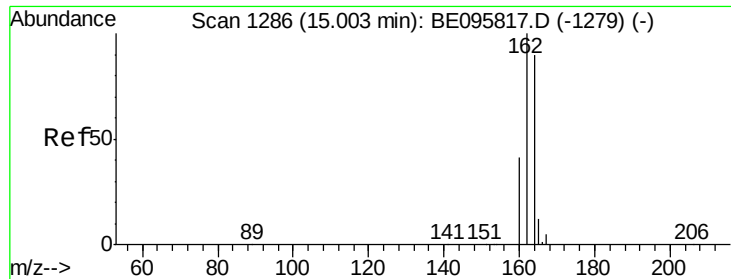
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#12
2-Methylnaphthalene
Concen: 0.023 ng
RT: 12.86 min Scan# 1085
Delta R.T. -0.01 min
Lab File: BE095946.D
Acq: 4 Apr 2018 14:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.4	105.6
115	72.2	31.7	47.5#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.99 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BE095946.D

Acq: 4 Apr 2018 14:26

Instrument :

BNA_E

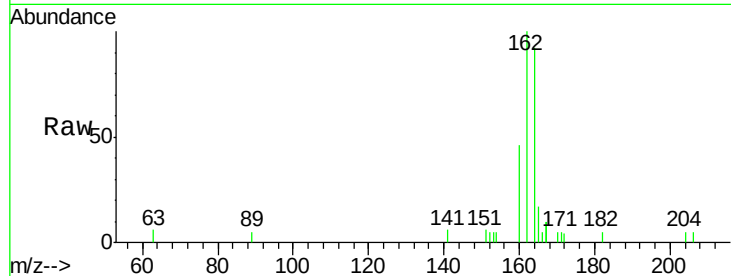
ClientSampled :

SB-2B

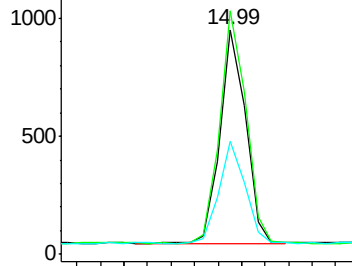
Tot Ion:	164	Resp:	1375
Ion	Ratio	Lower	Upper
164	100		
162	108.4	83.1	124.7
160	50.1	37.1	55.7

Manual Integrations
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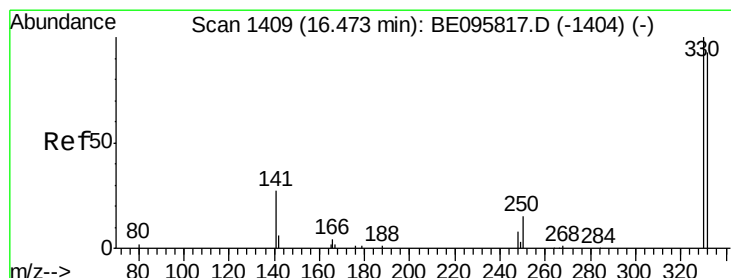
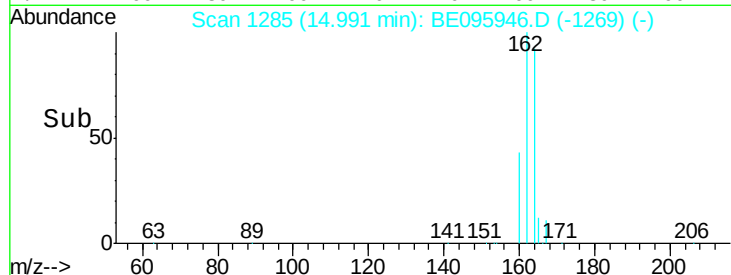
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



Time-->



#14

2,4,6-Tribromophenol

Concen: 0.712 ng

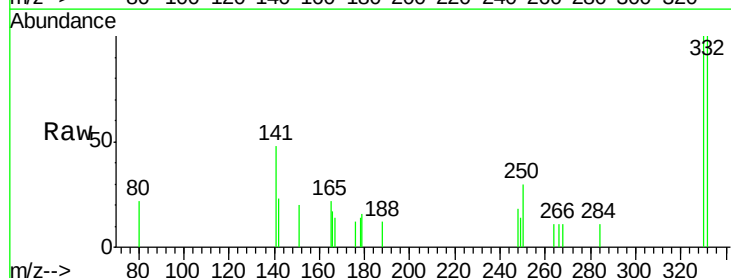
RT: 16.46 min Scan# 1408

Delta R.T. -0.01 min

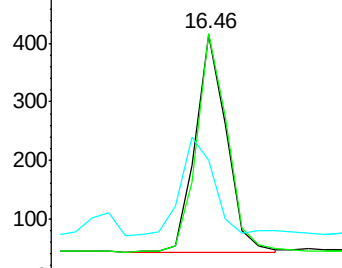
Lab File: BE095946.D

Acq: 4 Apr 2018 14:26

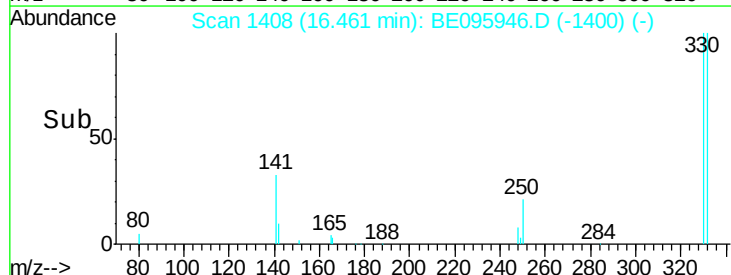
Tgt Ion:	330	Resp:	565
Ion	Ratio	Lower	Upper
330	100		
332	98.2	152.7	229.1#
141	47.6	33.7	50.5

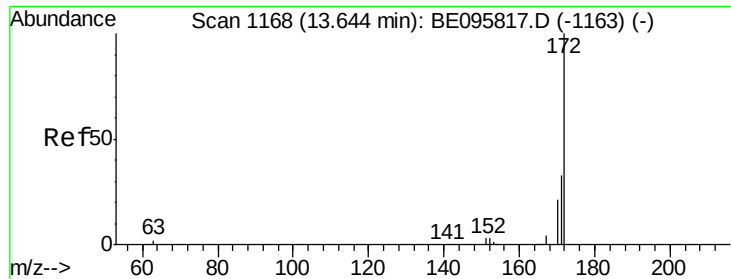


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->





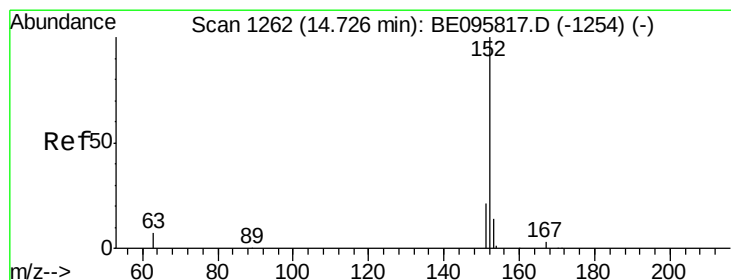
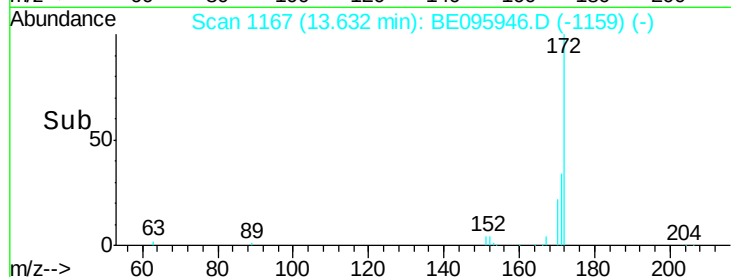
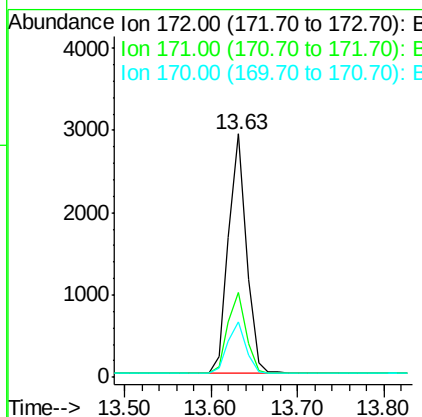
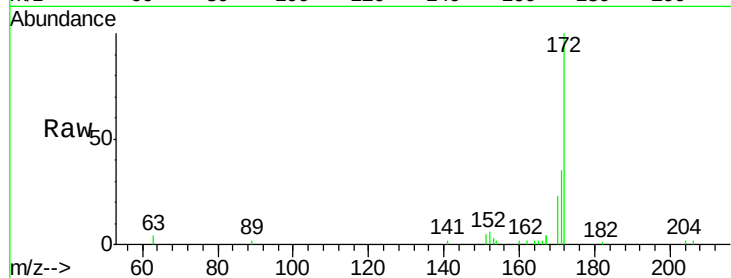
#15
2-Fluorobiphenyl
Concen: 0.733 ng
RT: 13.63 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BE095946.D
Acq: 4 Apr 2018 14:26

Instrument :
BNA_E
ClientSampleId :
SB-2B

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.9	44.9
170	22.9	21.8	32.8

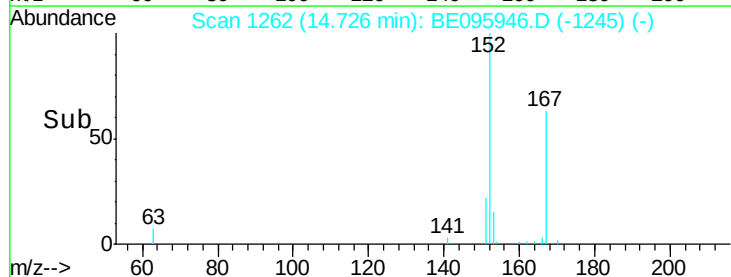
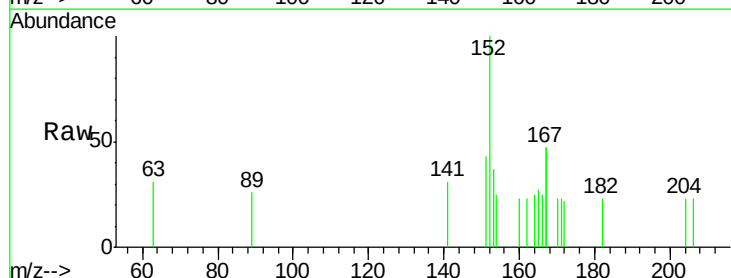
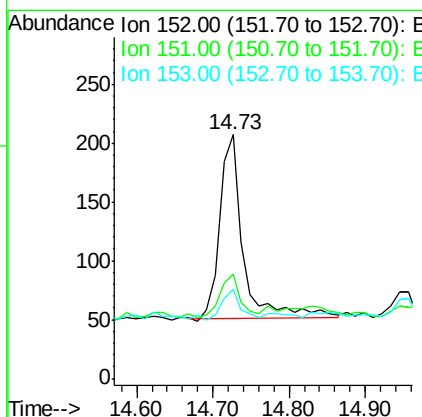
Manual Integrations
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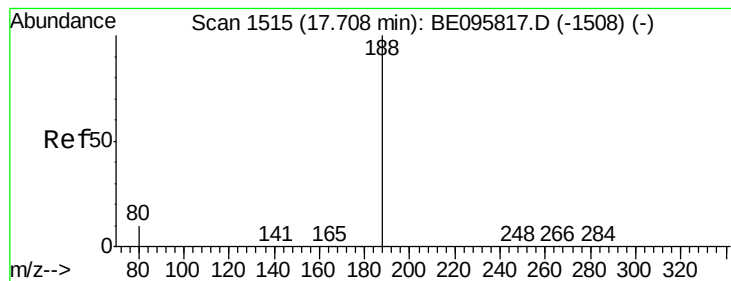
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#16
Acenaphthylene
Concen: 0.042 ng
RT: 14.73 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE095946.D
Acq: 4 Apr 2018 14:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.7	23.5
153	13.3	10.5	15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.70 min Scan# 1514

Delta R.T. -0.01 min

Lab File: BE095946.D

Acq: 4 Apr 2018 14:26

Instrument :

BNA_E

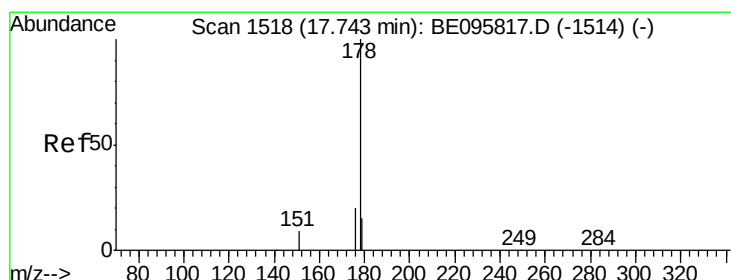
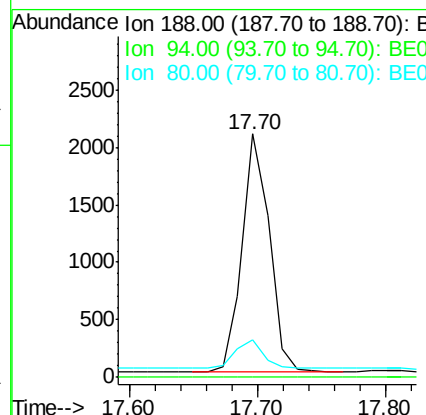
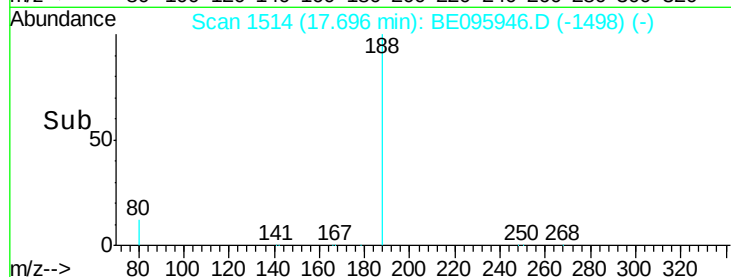
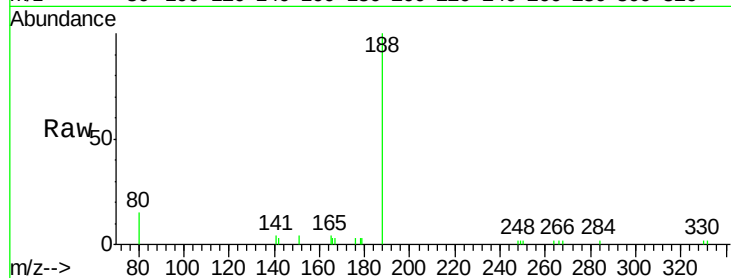
ClientSampled :

SB-2B

Tot Ion:	188	Resp:	3050
Ion Ratio	Lower	Upper	
188	100		
94	0.0	3.9	5.9#
80	15.5	3.6	5.4#

Manual Integrations
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#23

Phenanthrene

Concen: 0.072 ng

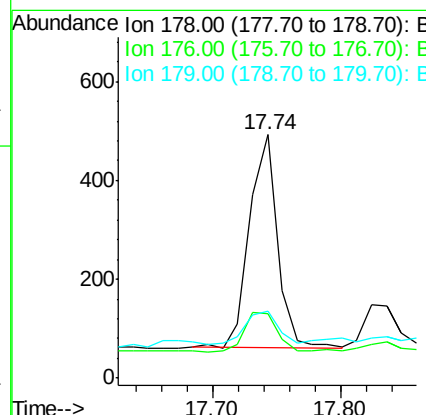
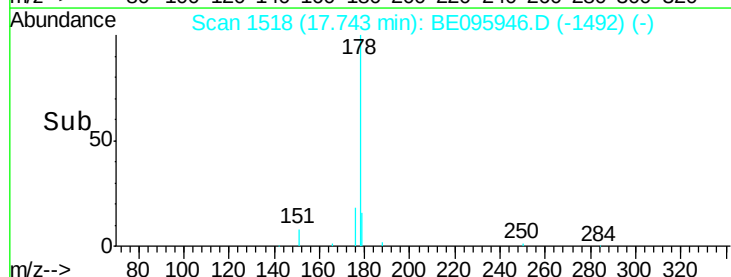
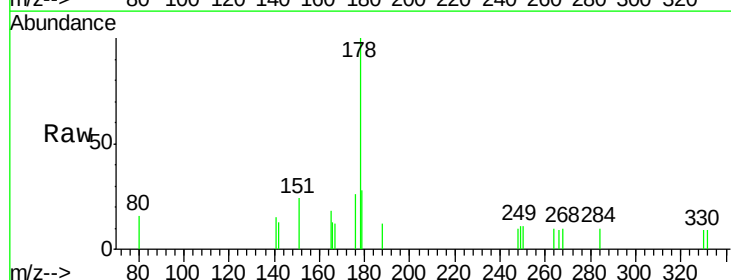
RT: 17.74 min Scan# 1518

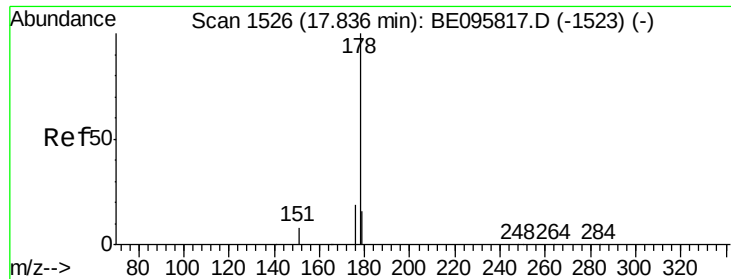
Delta R.T. -0.00 min

Lab File: BE095946.D

Acq: 4 Apr 2018 14:26

Tgt Ion:	178	Resp:	655
Ion Ratio	Lower	Upper	
178	100		
176	21.5	15.1	22.7
179	18.3	11.8	17.6#





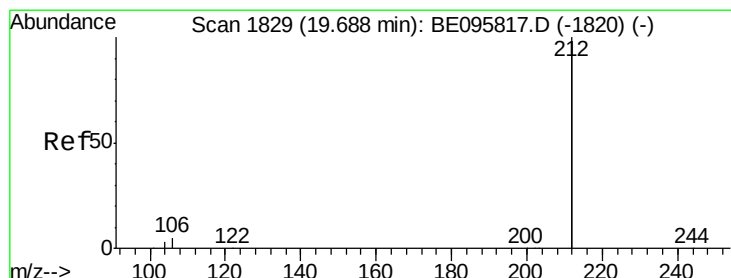
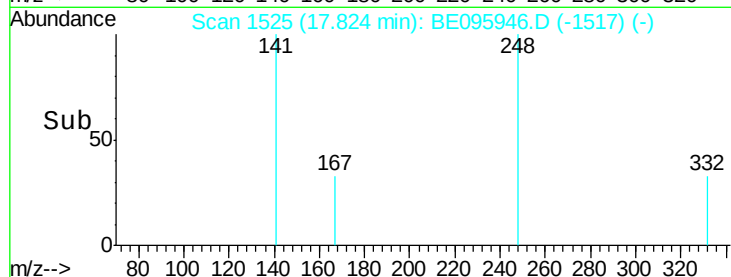
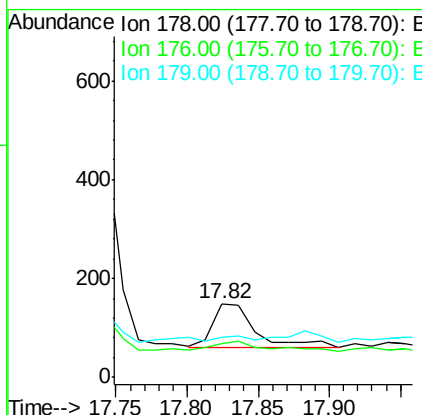
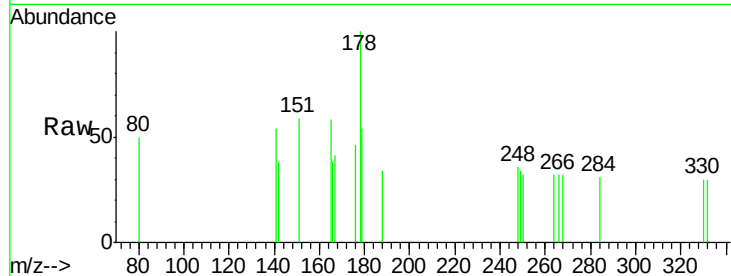
#24
 Anthracene
 Concen: 0.020 ng
 RT: 17.82 min Scan# 1525
 Delta R.T. -0.01 min
 Lab File: BE095946.D
 Acq: 4 Apr 2018 14:26

Instrument :
 BNA_E
 ClientSampled :
 SB-2B

Tot Ion	Ratio	Lower	Upper
178	100		
176	28.1	12.8	19.2#
179	8.1	13.0	19.6#

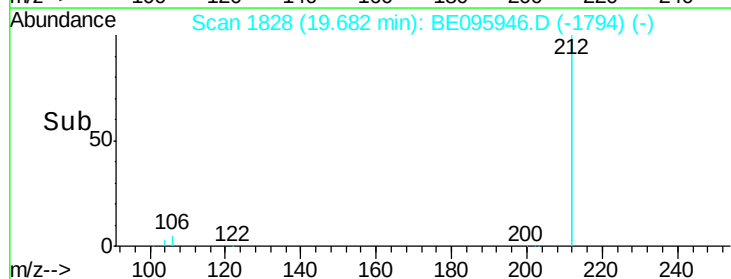
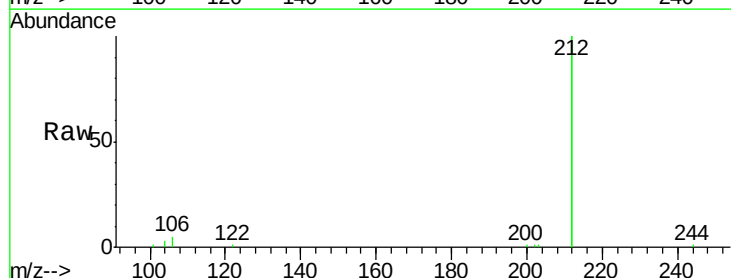
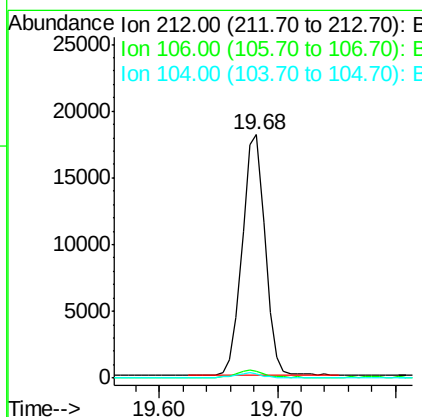
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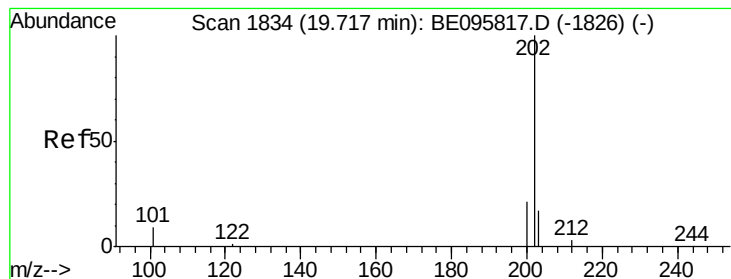
Sohil
 4/5/2018 8:38:10 AM



#25
 Fluoranthene-d10
 Concen: 0.531 ng
 RT: 19.68 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BE095946.D
 Acq: 4 Apr 2018 14:26

Tgt Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.8	4.2
104	1.9	1.6	2.4





#26

Fluoranthene

Concen: 0.090 ng

RT: 19.71 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BE095946.D

Acq: 4 Apr 2018 14:26

Instrument :

BNA_E

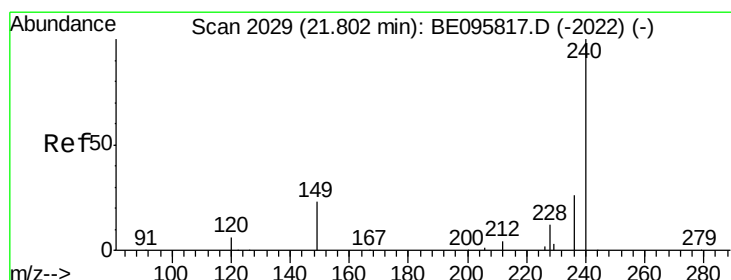
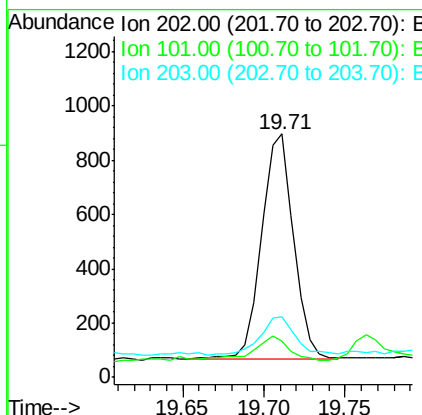
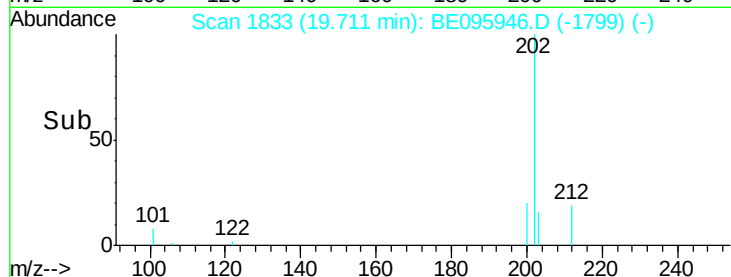
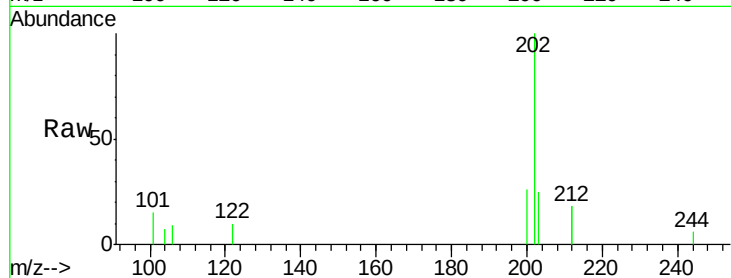
ClientSampled :

SB-2B

Tot Ion:	202	Resp:	1141
Ion Ratio	Lower	Upper	
202	100		
101	10.7	9.8	14.8
203	19.7	13.7	20.5

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#27

Chrysene-d12

Concen: 0.400 ng

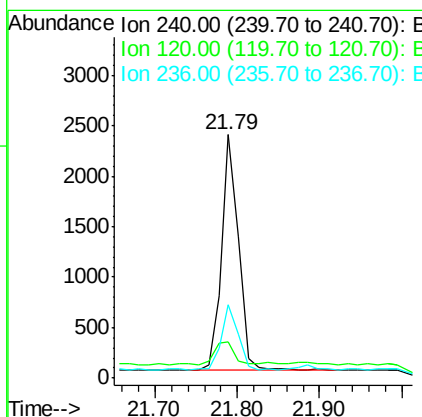
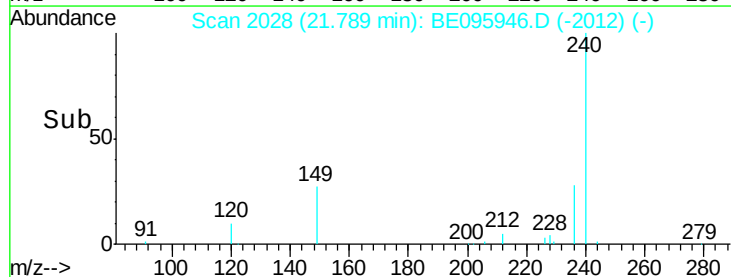
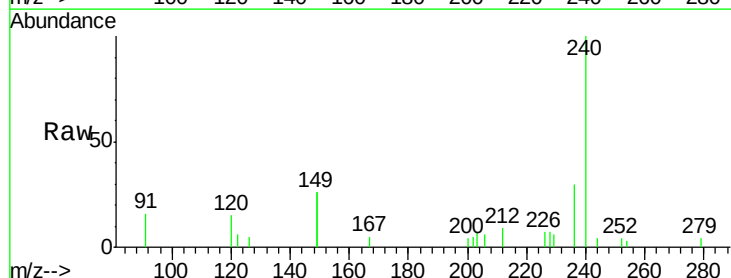
RT: 21.79 min Scan# 2028

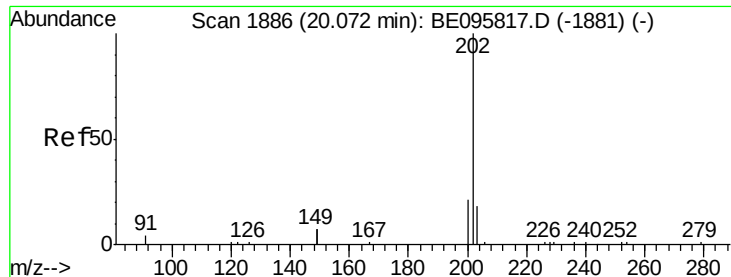
Delta R.T. -0.01 min

Lab File: BE095946.D

Acq: 4 Apr 2018 14:26

Tgt Ion:	240	Resp:	3415
Ion Ratio	Lower	Upper	
240	100		
120	14.9	5.5	8.3#
236	30.3	20.7	31.1





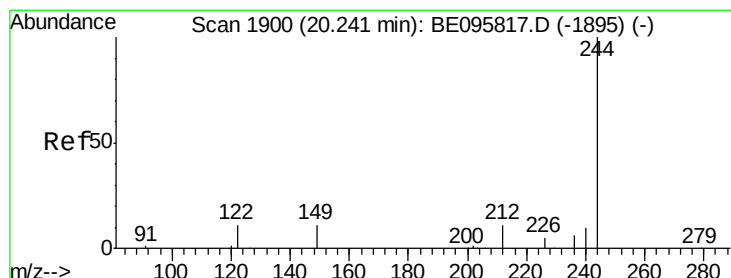
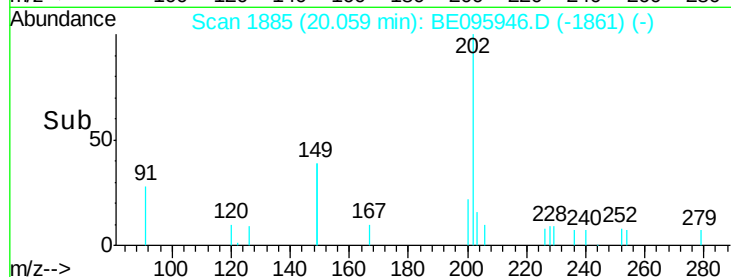
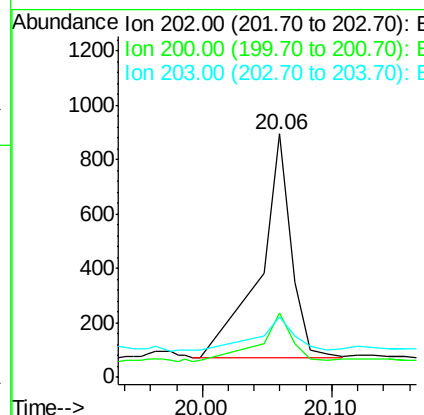
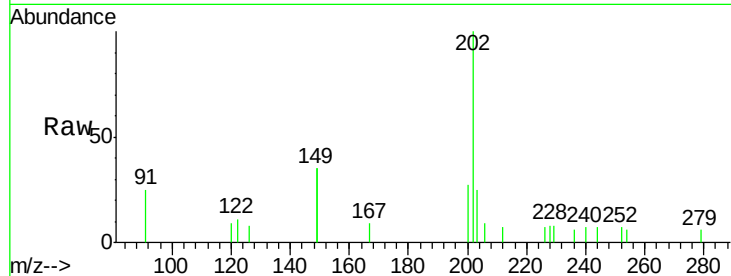
#28
Pvrene
Concen: 0.102 ng
RT: 20.06 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BE095946.D
Acq: 4 Apr 2018 14:26

Instrument :
BNA_E
ClientSampled :
SB-2B

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.1	16.6	25.0
203	18.2	13.8	20.8

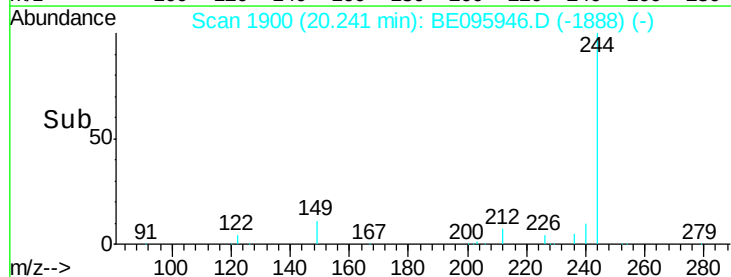
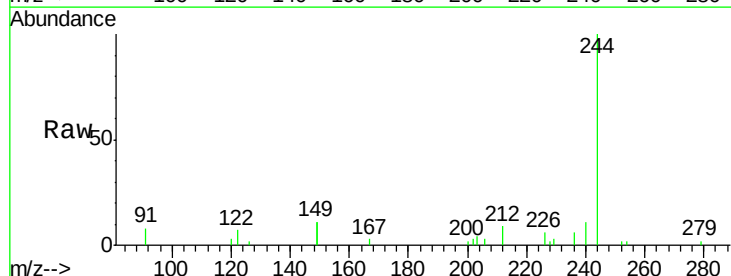
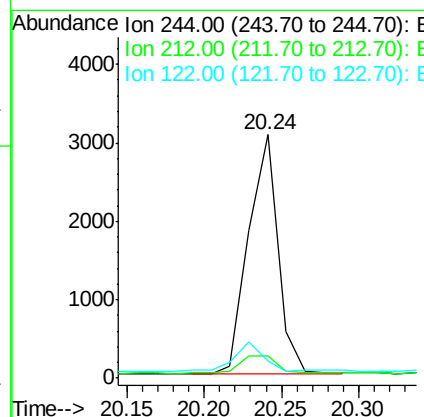
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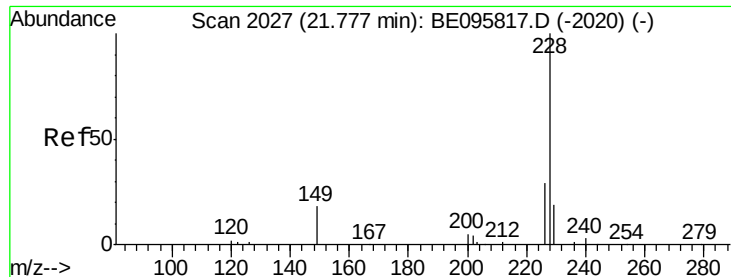
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#29
Terphenyl-d14
Concen: 0.556 ng
RT: 20.24 min Scan# 1900
Delta R.T. -0.00 min
Lab File: BE095946.D
Acq: 4 Apr 2018 14:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.4	25.4	38.0#
122	7.2	8.1	12.1#





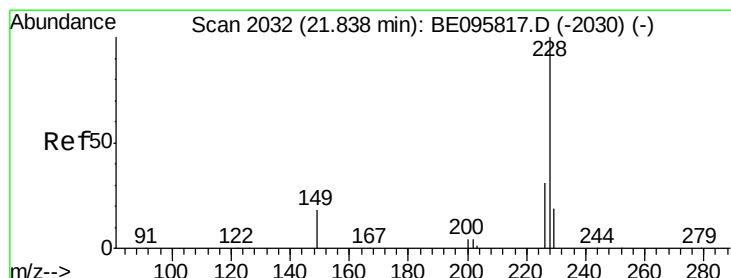
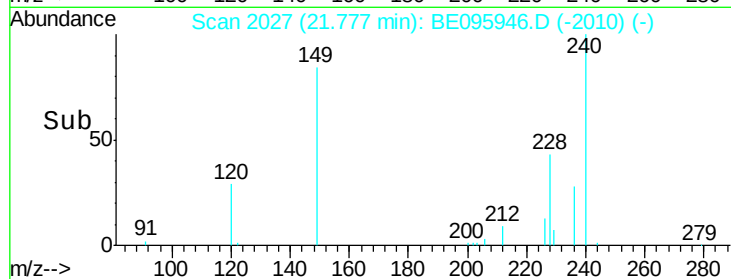
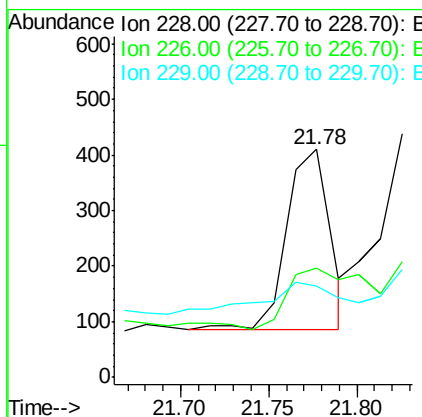
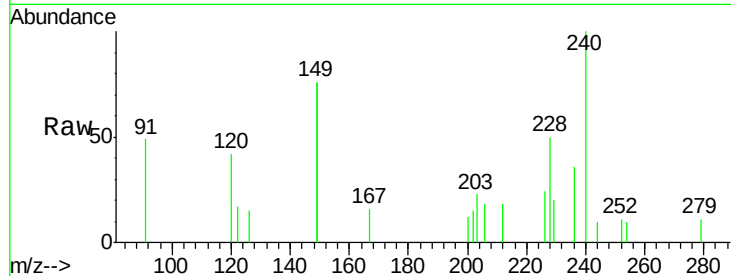
#30
Benzo(a)anthracene
Concen: 0.047 ng
RT: 21.78 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE095946.D
Acq: 4 Apr 2018 14:26

Instrument :
BNA_E
ClientSampled :
SB-2B

Tot Ion	Ratio	Lower	Upper
228	100		
226	47.8	24.0	36.0#
229	40.2	16.0	24.0#

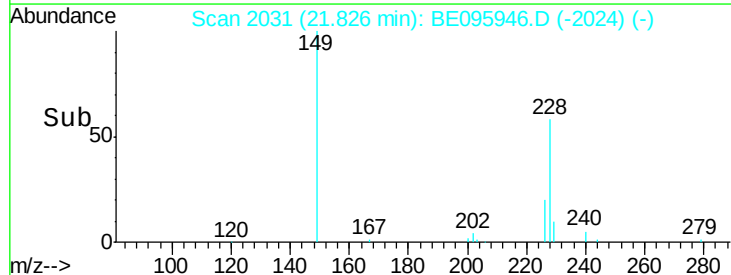
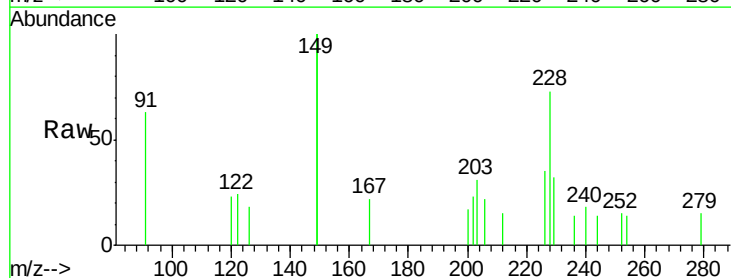
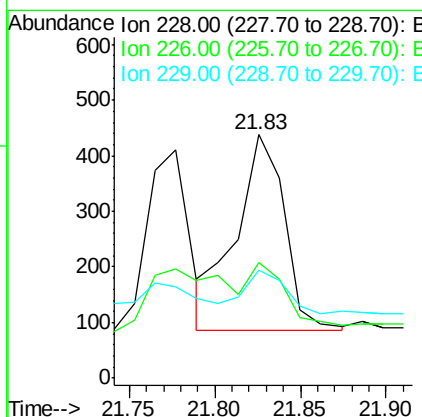
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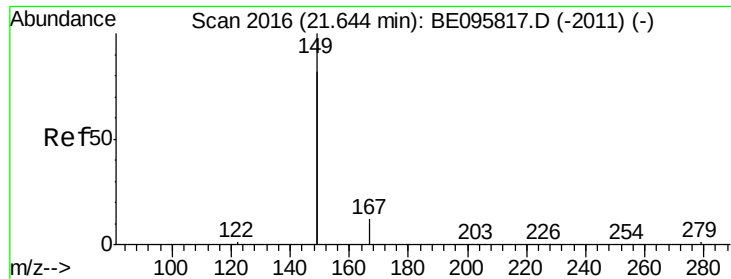
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#31
Chrysene
Concen: 0.065 ng m
RT: 21.83 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BE095946.D
Acq: 4 Apr 2018 14:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	47.3	24.0	36.0#
229	44.3	16.0	24.0#





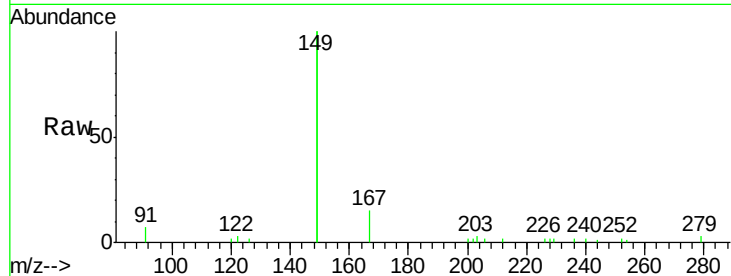
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.415 ng
 RT: 21.64 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BE095946.D
 Acq: 4 Apr 2018 14:26

Instrument :
 BNA_E
 ClientSampled :
 SB-2B

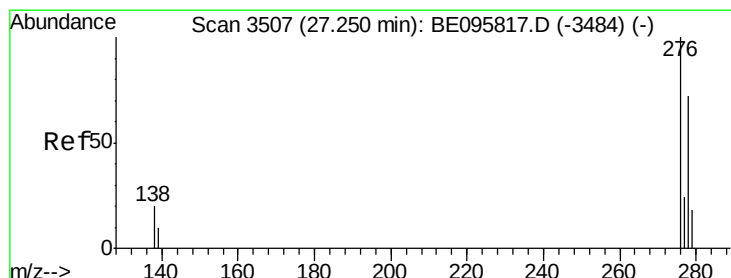
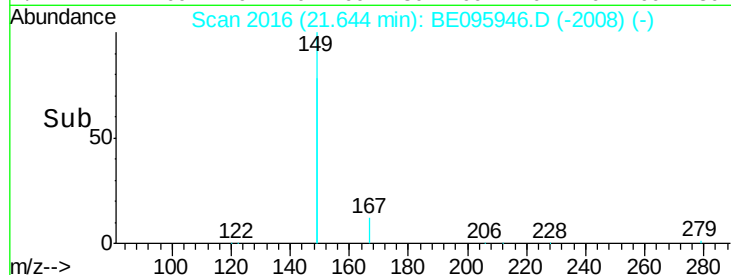
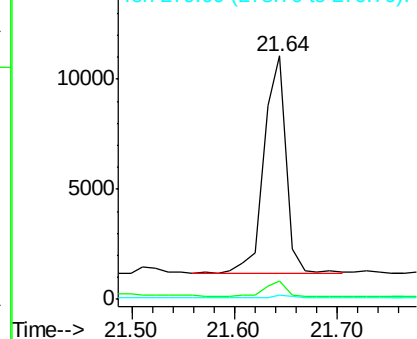
Tot Ion	Ratio	Lower	Upper
149	100		
167	6.2	5.4	8.0
279	0.8	0.7	1.1

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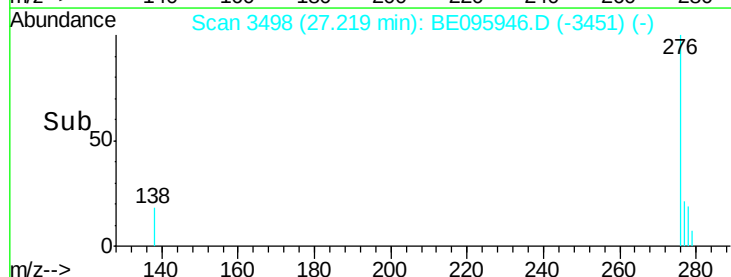
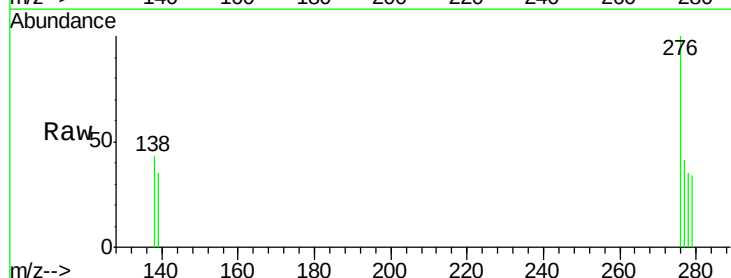
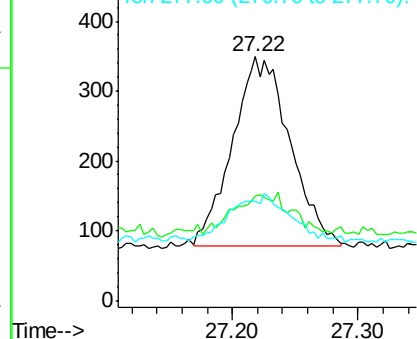
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

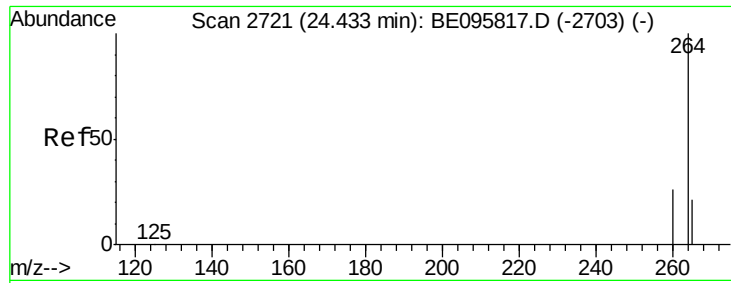


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.075 ng m
 RT: 27.22 min Scan# 3498
 Delta R.T. -0.03 min
 Lab File: BE095946.D
 Acq: 4 Apr 2018 14:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.2	22.5	33.7#
277	26.3	19.9	29.9

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





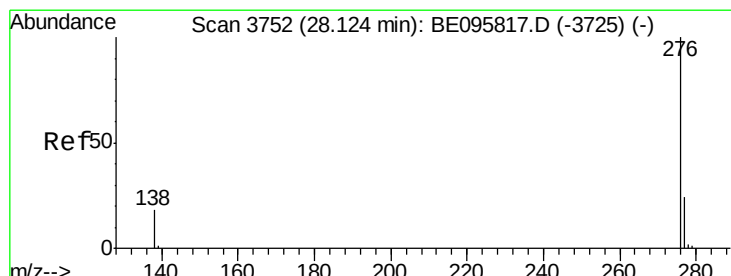
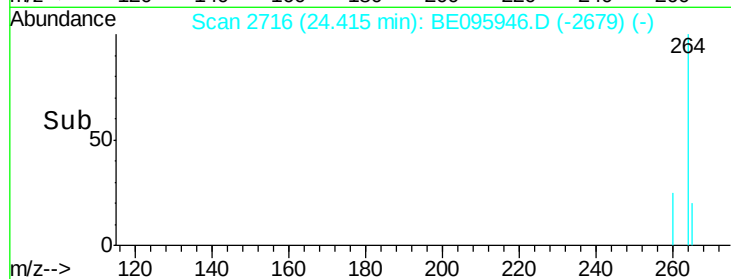
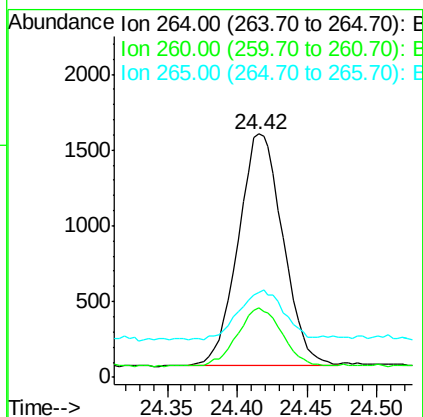
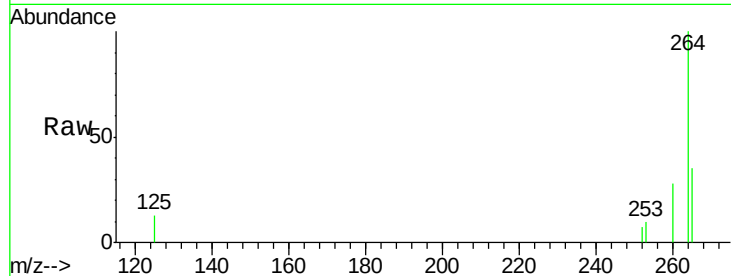
#34
Pervlene-d12
Concen: 0.400 ng
RT: 24.42 min Scan# 2716
Delta R.T. -0.02 min
Lab File: BE095946.D
Acq: 4 Apr 2018 14:26

Instrument :
BNA_E
ClientSampleId :
SB-2B

Tot Ion	Ratio	Lower	Upper
264	100		
260	28.3	20.5	30.7
265	35.1	22.8	34.2

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#39
Benzo(g,h,i)perylene
Concen: 0.118 ng
RT: 28.10 min Scan# 3745
Delta R.T. -0.02 min
Lab File: BE095946.D
Acq: 4 Apr 2018 14:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	38.0	16.0	24.0
138	37.0	20.0	30.0

