

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
 Data File : BE091549.D
 Acq On : 28 Mar 2016 22:16
 Operator : UM/SJ
 Sample : H1855-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-5A

Manual Integrations
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Quant Time: Mar 29 01:31:11 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 19:00:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	42058	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	221015	5.00	ng	0.00
10) Acenaphthene-d10	14.43	164	135663	5.00	ng	-0.01
16) Phenanthrene-d10	17.17	188	325893	5.00	ng	0.00
22) Chrysene-d12	21.34	240	321878	5.00	ng	0.00
28) Perylene-d12	23.78	264	368941	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	63874	7.79	ng	-0.02
5) Phenol-d6	6.97	99	100195	8.95	ng	-0.02
7) Nitrobenzene-d5	8.97	82	40940	4.26	ng	-0.01
11) 2,4,6-Tribromophenol	15.91	330	28376	12.30	ng	-0.01
12) 2-Fluorobiphenyl	13.06	172	135583	3.55	ng	-0.01
24) Terphenyl-d14	19.78	244	216333	4.09	ng	0.00

Target Compounds				Qvalue		
8) Naphthalene	10.63	128	4863m	0.11	ng	
9) 2-Methylnaphthalene	12.25	142	5727	0.21	ng	# 91
13) Acenaphthylene	14.15	152	19127	0.40	ng	# 89
14) Acenaphthene	14.49	154	4684	0.14	ng	90
15) Fluorene	15.47	166	6082	0.15	ng	# 94
18) Pentachlorophenol	16.81	266	1321	0.50	ng	95
19) Phenanthrene	17.20	178	190238	2.55	ng	99
20) Anthracene	17.30	178	36083	0.58	ng	99
21) Fluoranthene	19.20	202	561960	8.05	ng	99
23) Pyrene	19.57	202	542969	7.14	ng	95
25) Benzo(a)anthracene	21.31	228	291927m	3.93	ng	
26) Chrysene	21.36	228	264317m	2.71	ng	
27) Indeno(1,2,3-cd)pyrene	26.35	276	169036	2.23	ng	95
29) Benzo(b)fluoranthene	23.02	252	372829m	4.55	ng	
30) Benzo(k)fluoranthene	23.07	252	137493m	1.68	ng	
31) Benzo(a)pyrene	23.67	252	255865m	3.18	ng	
32) Dibenzo(a,h)anthracene	26.36	278	39474	0.54	ng	98
33) Benzo(g,h,i)perylene	27.15	276	171410	2.26	ng	98

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

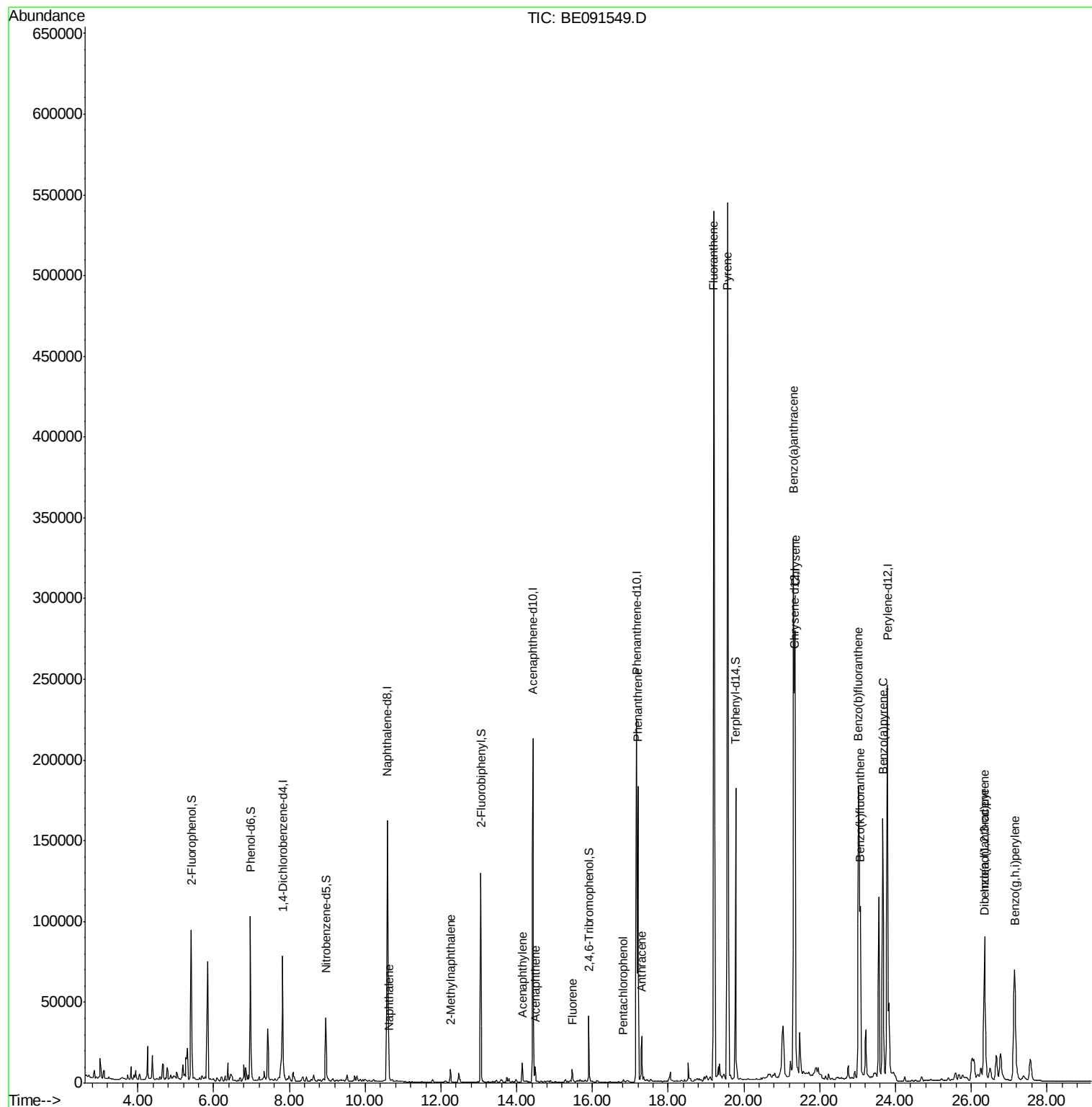
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
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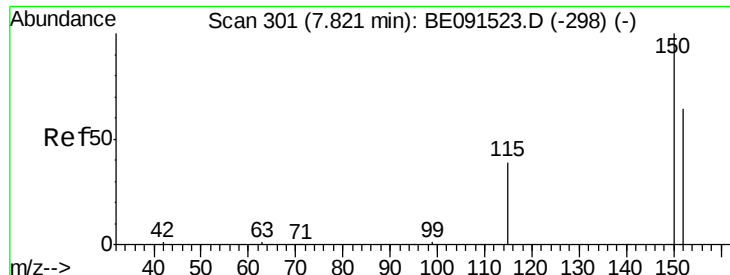
Instrument :
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Quant Time: Mar 29 01:31:11 2016
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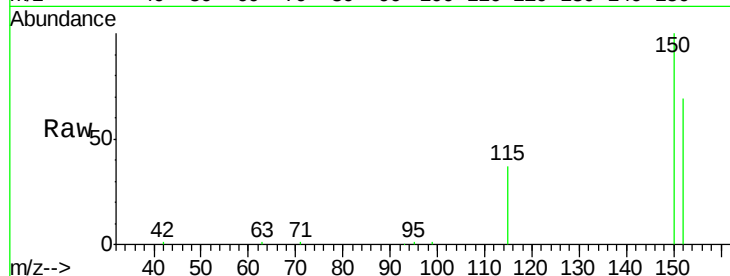




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. 0.00 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

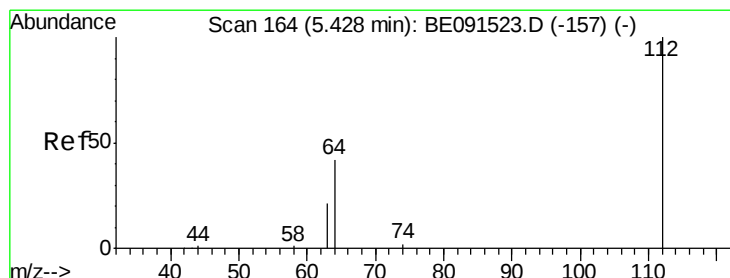
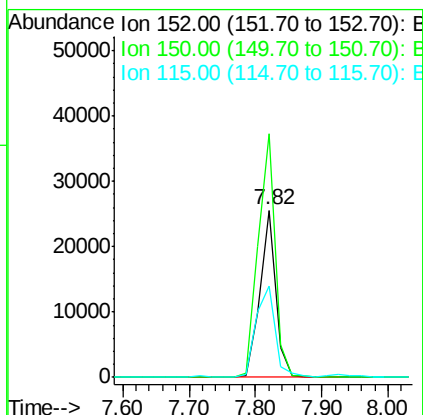
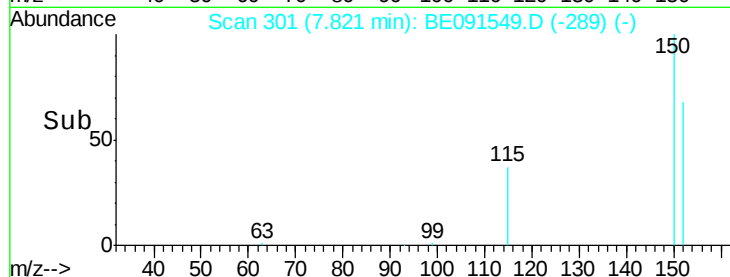
Instrument :
BNA_E
ClientSampleId :
SB-5A



Tgt Ion	Ratio	Lower	Upper
152	100		
150	145.9	122.2	183.2
115	54.6	45.9	68.9

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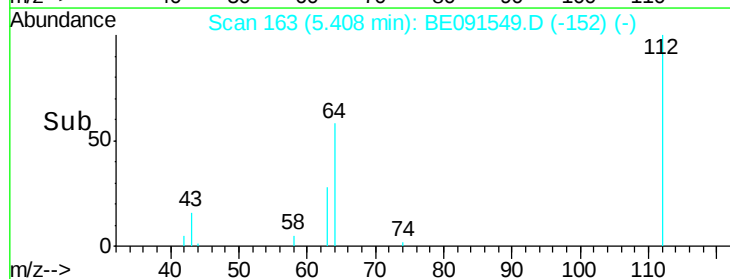
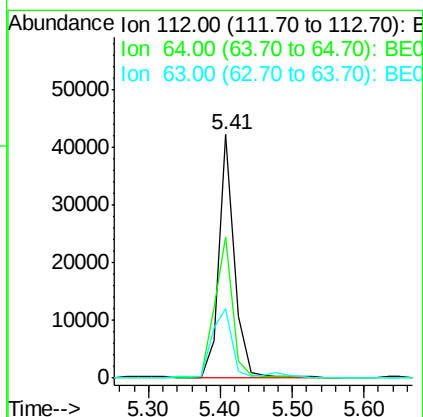
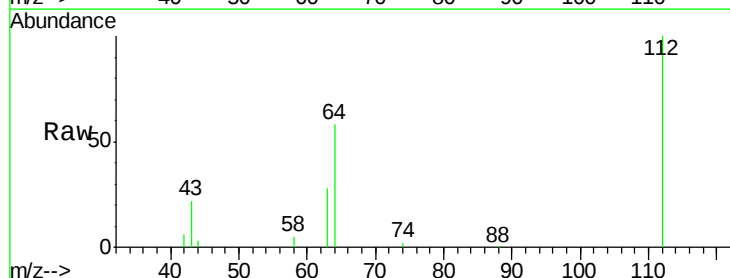
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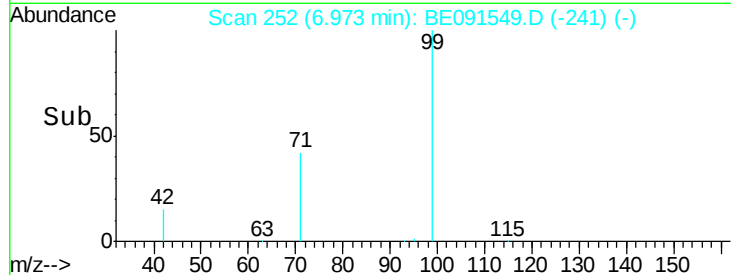
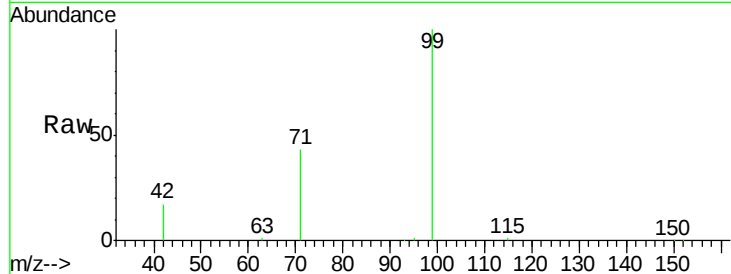
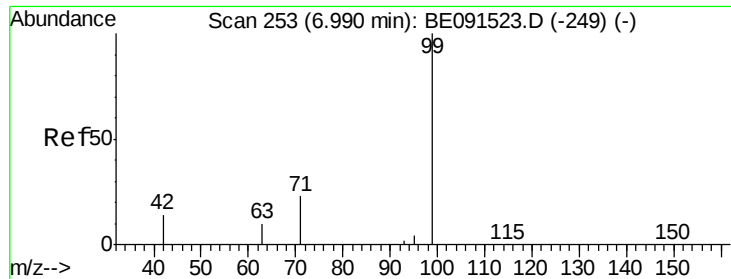


#4

2-Fluorophenol
Concen: 7.79 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.02 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	53.3	79.9
63	36.6	29.8	44.8





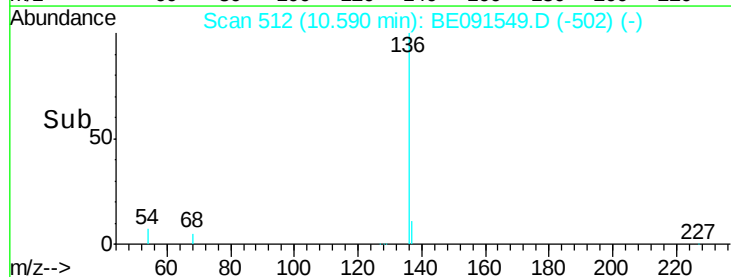
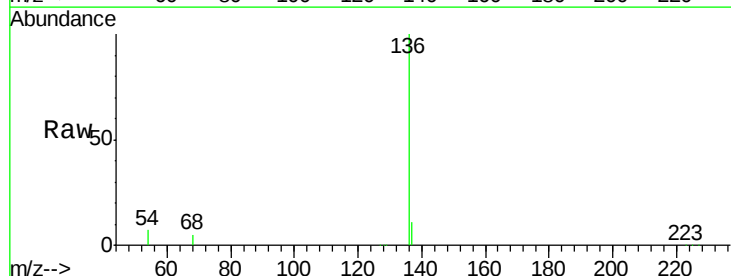
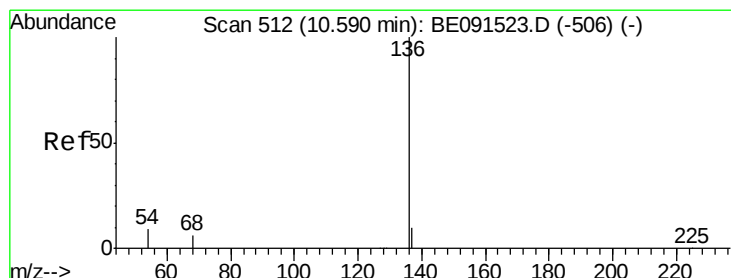
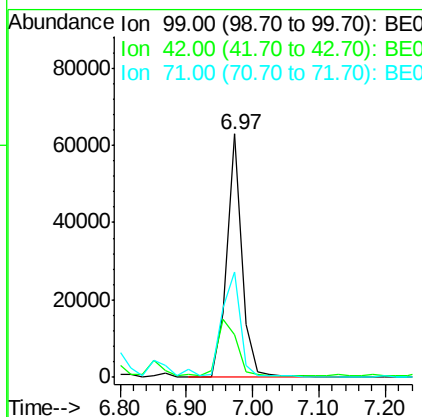
#5
Phenol-d6
Concen: 8.95 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.02 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

Instrument :
BNA_E
ClientSampleId :
SB-5A

Tgt Ion	Ratio	Resp Lower	Resp Upper
99	100		
42	28.4	20.6	30.8
71	50.4	29.0	43.4

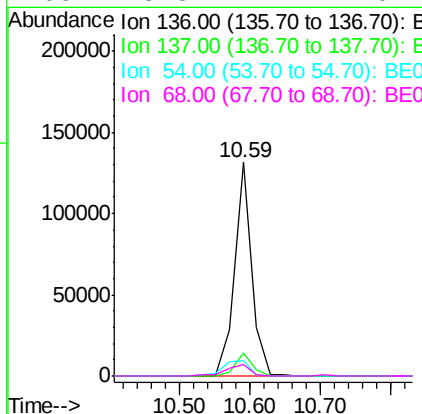
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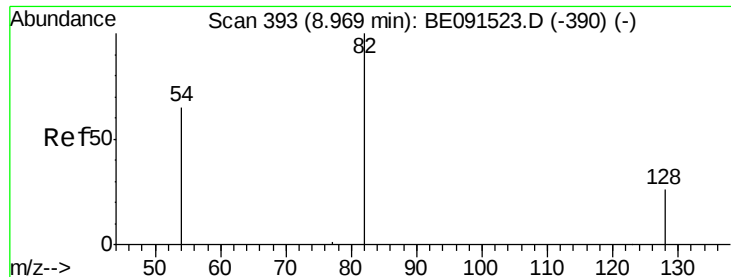
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#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.9	8.8	13.2
54	7.1	5.2	7.8
68	5.3	4.1	6.1





#7

Nitrobenzene-d5

Concen: 4.26 ng

RT: 8.97 min Scan# 393

Delta R.T. -0.01 min

Lab File: BE091549.D

Acq: 28 Mar 2016 22:16

Instrument :

BNA_E

ClientSampled :

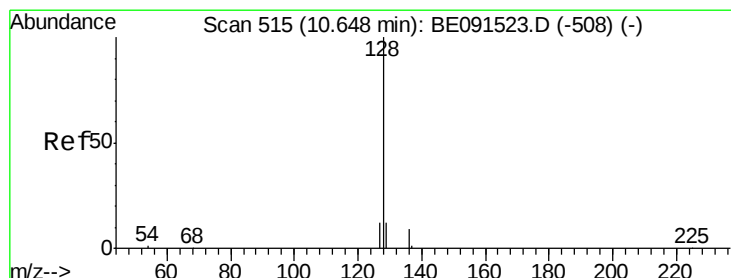
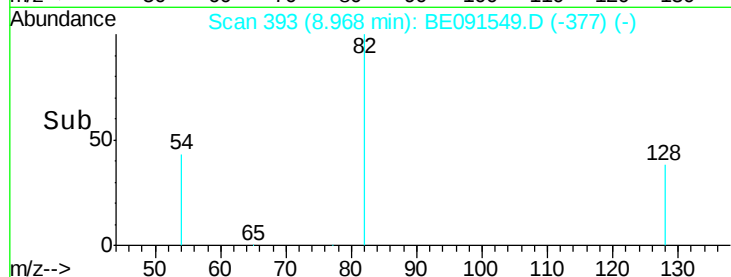
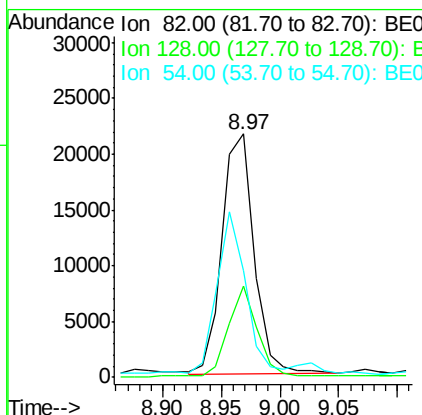
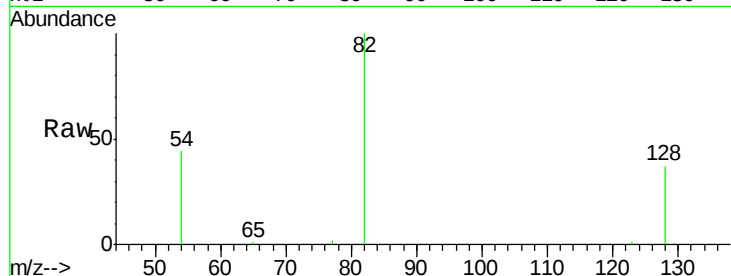
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Tgt Ion	82	Resp	40940
Ion Ratio	Lower	Upper	
82	100		
128	37.4	23.5	35.3#
54	43.7	52.4	78.6#



#8

Naphthalene

Concen: 0.11 ng m

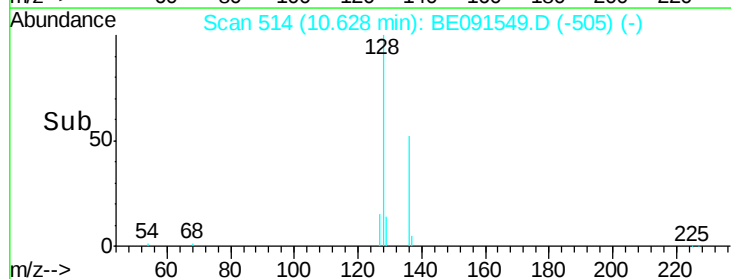
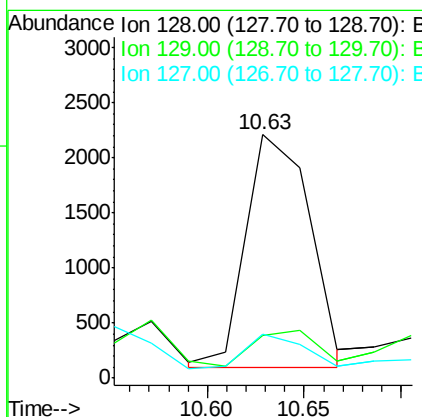
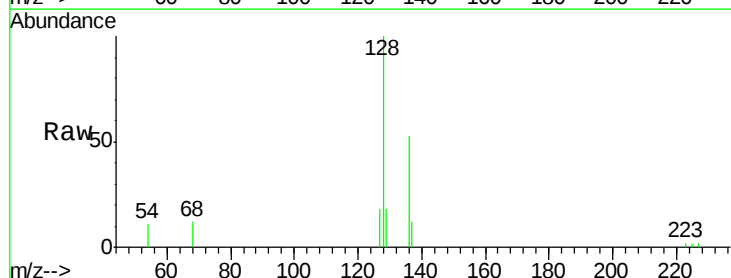
RT: 10.63 min Scan# 514

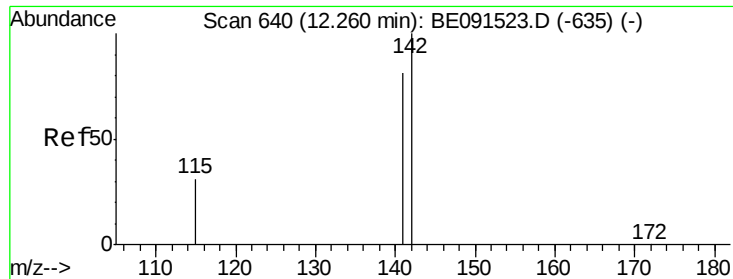
Delta R.T. -0.02 min

Lab File: BE091549.D

Acq: 28 Mar 2016 22:16

Tgt Ion	128	Resp	4863
Ion Ratio	Lower	Upper	
128	100		
129	17.6	8.2	12.2#
127	18.0	11.8	17.8#





#9

2-Methylnaphthalene

Concen: 0.21 ng

RT: 12.25 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE091549.D

Acq: 28 Mar 2016 22:16

Instrument :

BNA_E

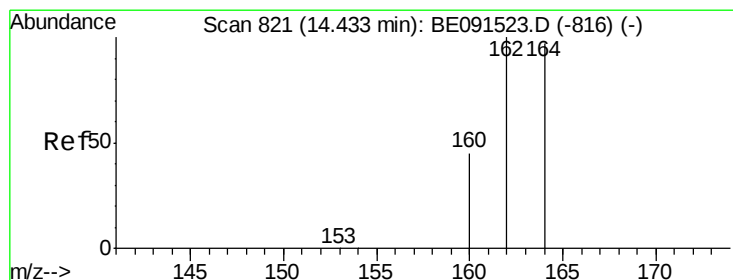
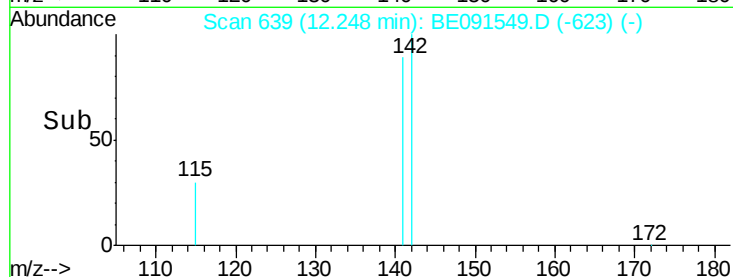
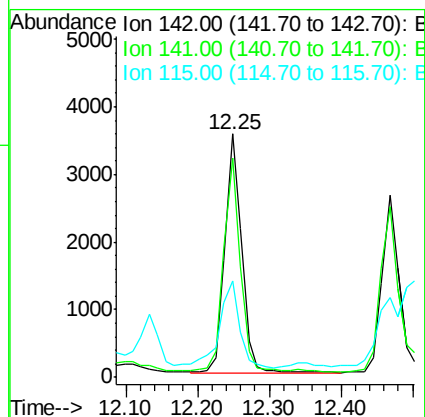
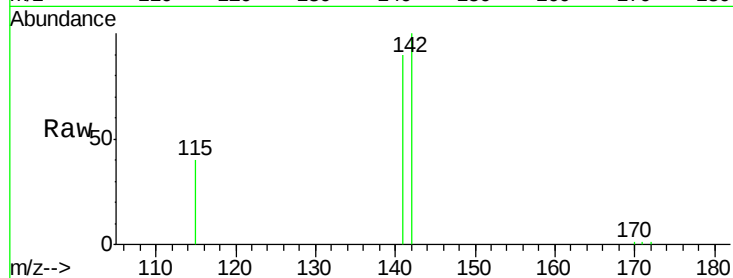
ClientSampleId :

SB-5A

Tgt Ion:	142	Resp:	5727
Ion Ratio	Lower	Upper	
142	100		
141	90.1	66.9	100.3
115	39.6	25.1	37.7#

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#10

Acenaphthene-d10

Concen: 5.00 ng

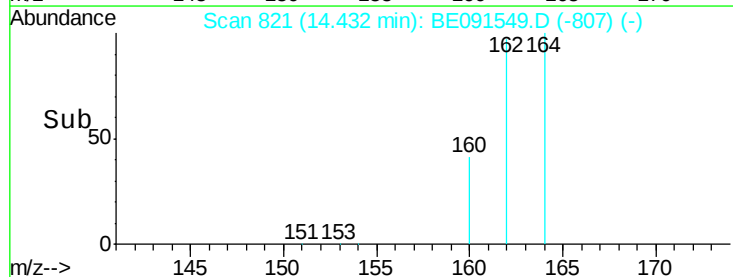
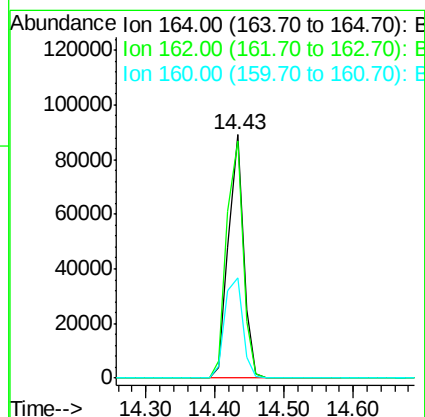
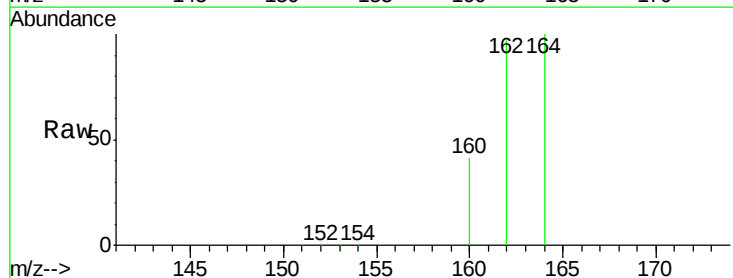
RT: 14.43 min Scan# 821

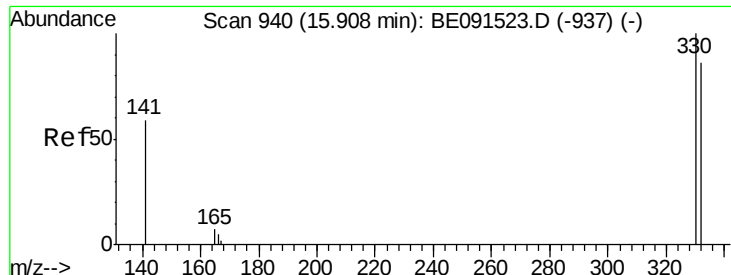
Delta R.T. -0.01 min

Lab File: BE091549.D

Acq: 28 Mar 2016 22:16

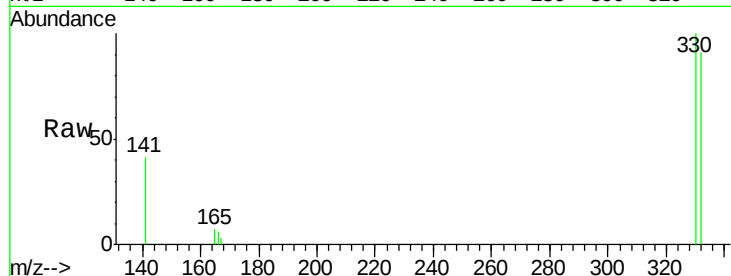
Tgt Ion:	164	Resp:	135663
Ion Ratio	Lower	Upper	
164	100		
162	97.3	84.4	126.6
160	41.2	37.7	56.5





#11
 2,4,6-Tribromophenol
 Concen: 12.30 ng
 RT: 15.91 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: BE091549.D
 Acq: 28 Mar 2016 22:16

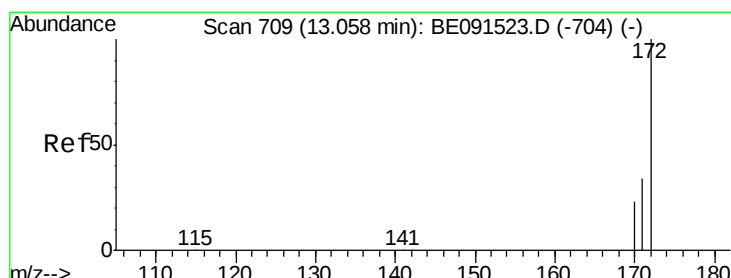
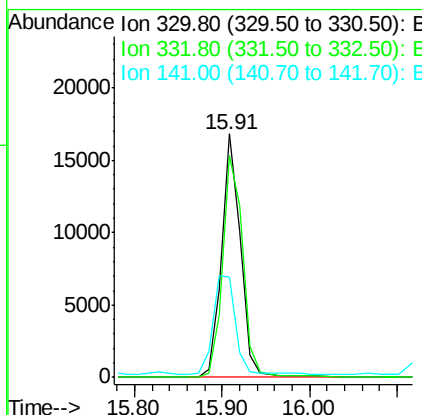
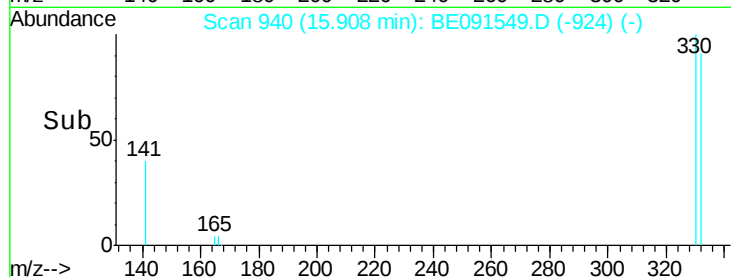
Instrument :
 BNA_E
 ClientSampleId :
 SB-5A



Tgt Ion: 330 Resp: 28376
 Ion Ratio Lower Upper
 330 100
 332 97.1 79.2 118.8
 141 41.5 28.1 42.1

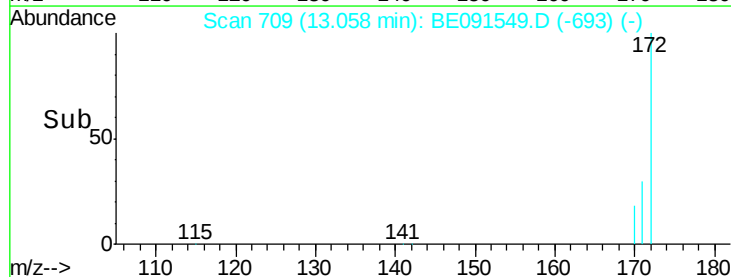
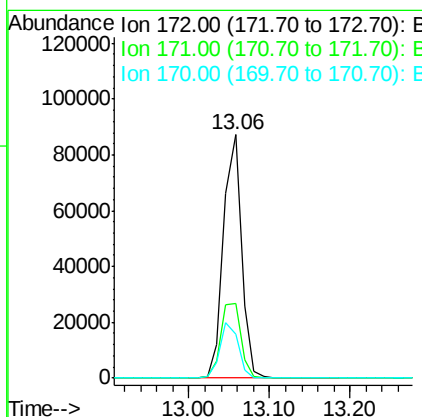
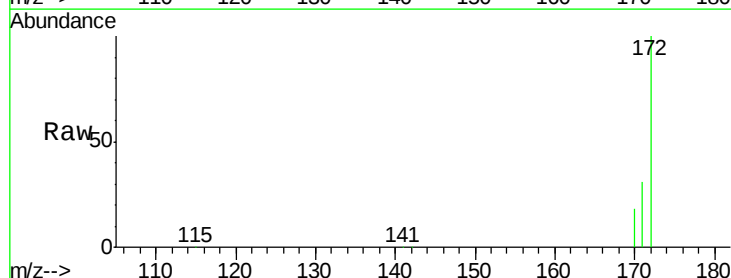
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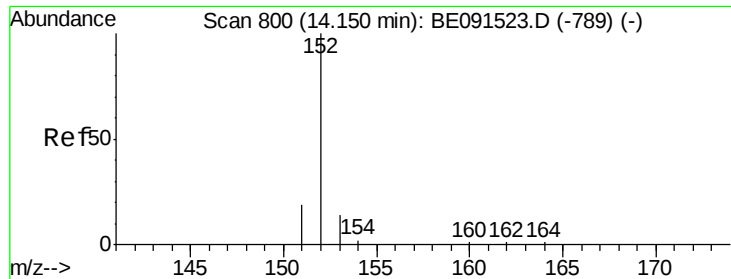
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#12
 2-Fluorobiphenyl
 Concen: 3.55 ng
 RT: 13.06 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: BE091549.D
 Acq: 28 Mar 2016 22:16

Tgt Ion: 172 Resp: 135583
 Ion Ratio Lower Upper
 172 100
 171 30.5 29.8 44.8
 170 18.2 21.4 32.2#





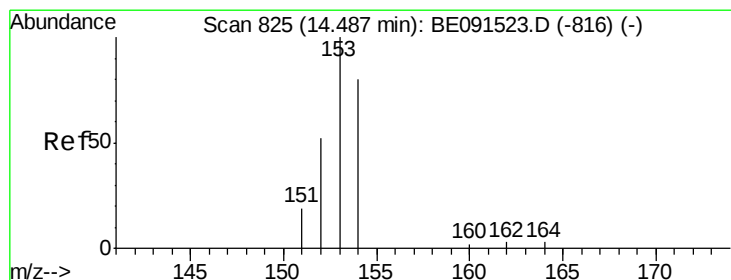
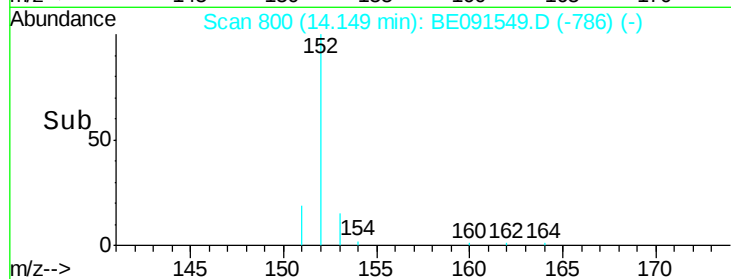
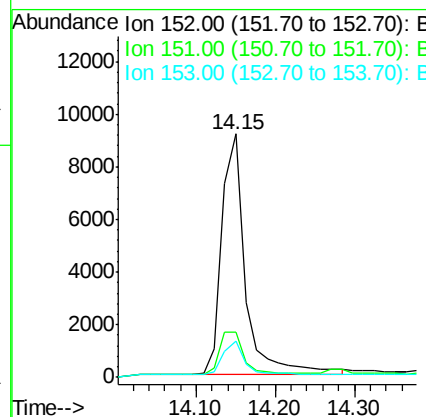
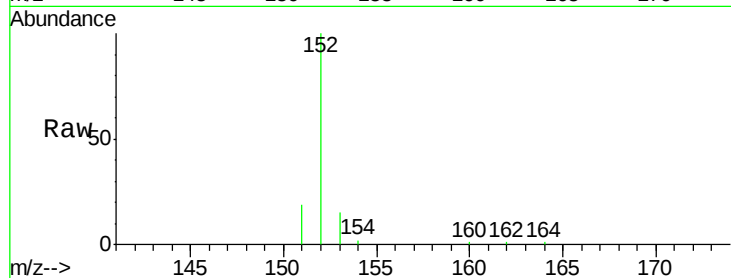
#13
Acenaphthylene
Concen: 0.40 ng
RT: 14.15 min Scan# 800
Delta R.T. 0.00 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

Instrument :
BNA_E
ClientSampleId :
SB-5A

Tgt Ion	Ratio	Lower	Upper
152	100		
151	28.1	16.3	24.5#
153	15.2	11.1	16.7

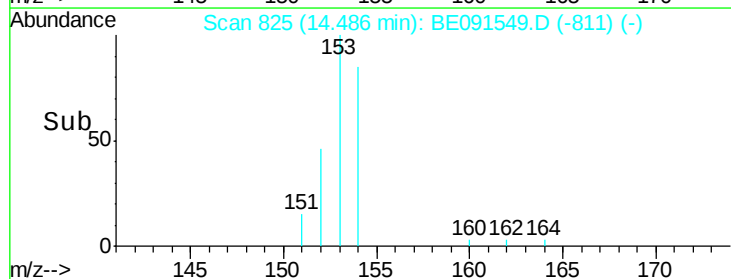
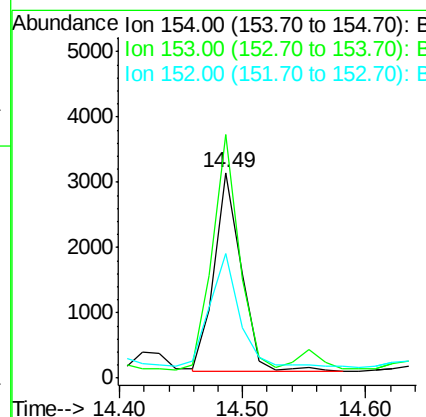
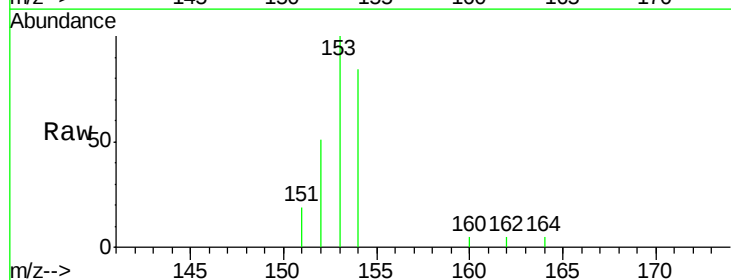
Manual Integrations
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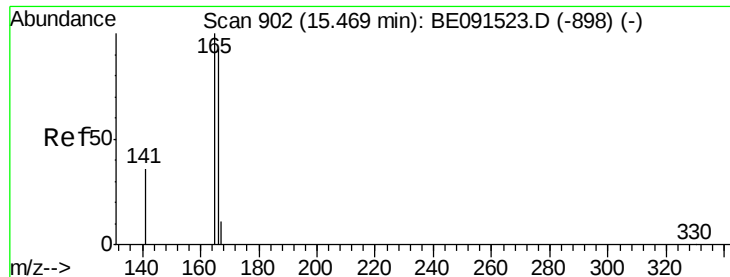
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#14
Acenaphthene
Concen: 0.14 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.4	87.3	130.9
152	63.7	42.9	64.3





#15

Fluorene

Concen: 0.15 ng

RT: 15.47 min Scan# 902

Delta R.T. -0.01 min

Lab File: BE091549.D

Acq: 28 Mar 2016 22:16

Instrument :

BNA_E

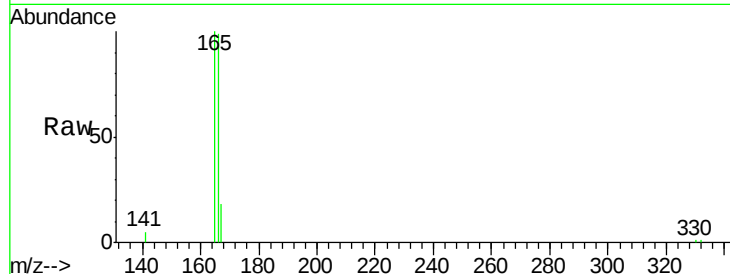
ClientSampleId :

SB-5A

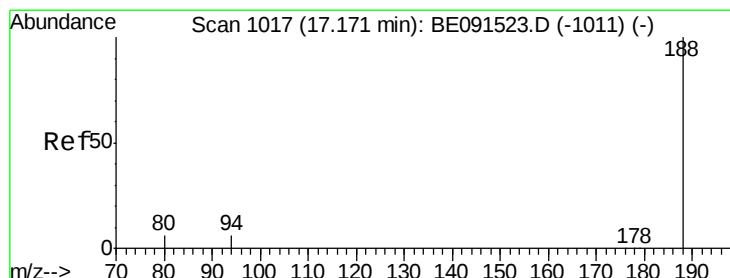
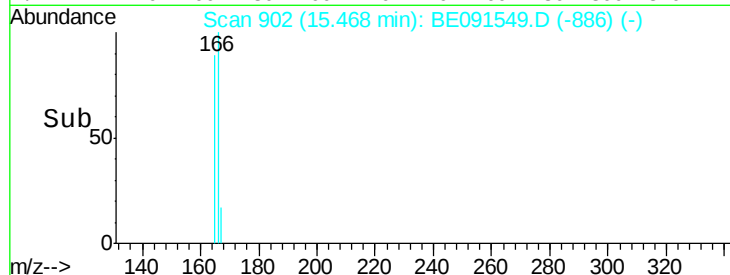
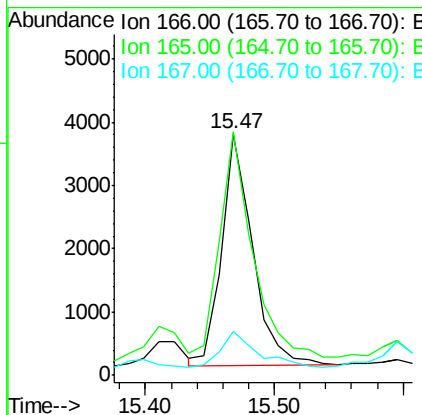
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Tgt Ion:	166	Resp:	6082
Ion Ratio	Lower	Upper	
166	100		
165	104.0	79.2	118.8
167	18.3	10.8	16.2#



#16

Phenanthrene-d10

Concen: 5.00 ng

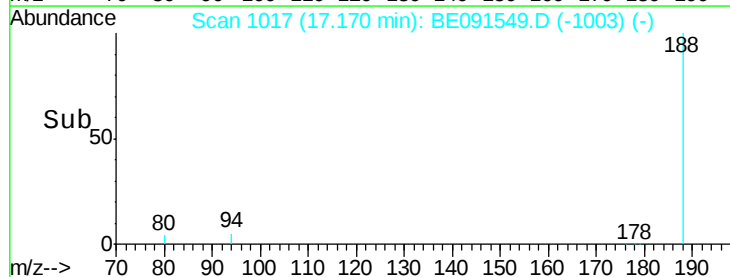
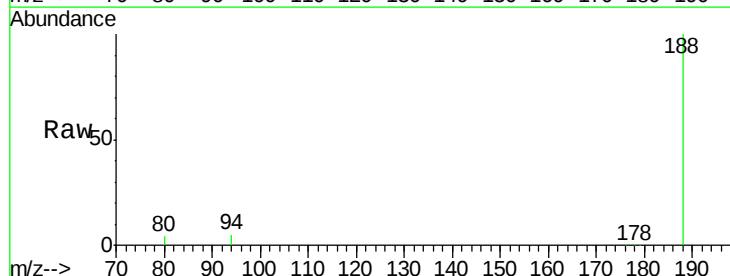
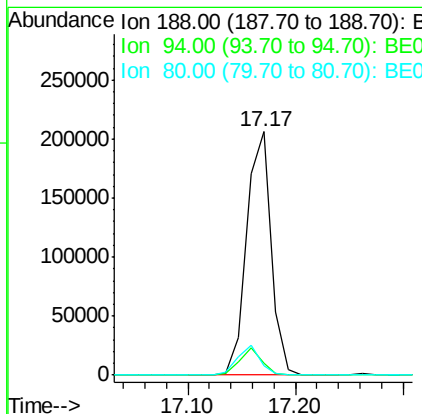
RT: 17.17 min Scan# 1017

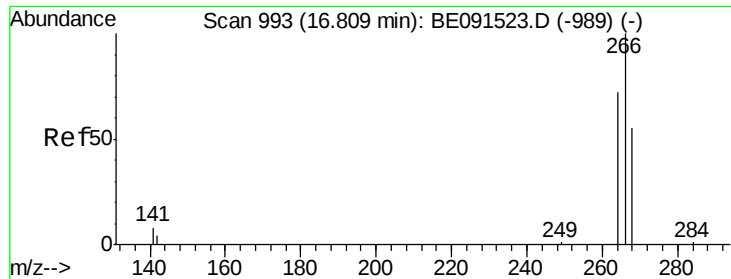
Delta R.T. -0.00 min

Lab File: BE091549.D

Acq: 28 Mar 2016 22:16

Tgt Ion:	188	Resp:	325893
Ion Ratio	Lower	Upper	
188	100		
94	4.8	5.4	8.2#
80	4.1	5.0	7.4#





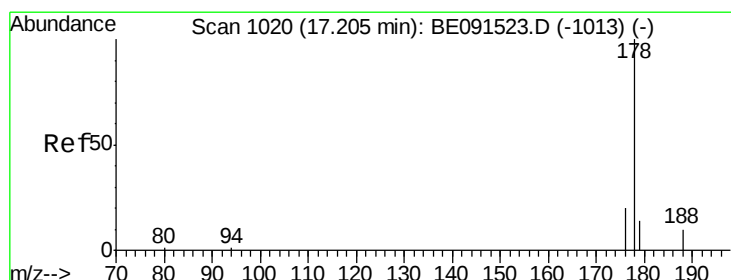
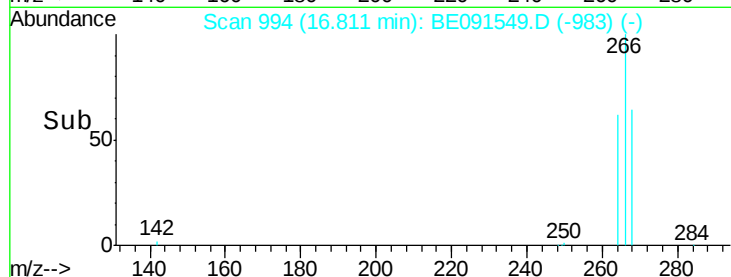
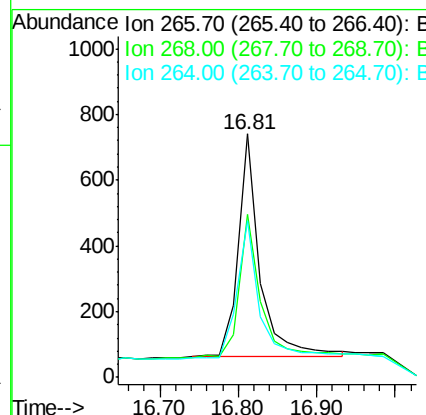
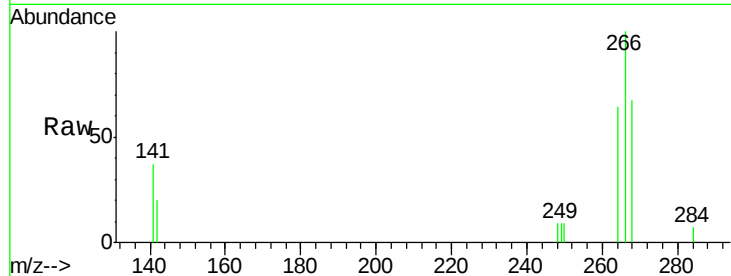
#18
 Pentachlorophenol
 Concen: 0.50 ng
 RT: 16.81 min Scan# 994
 Delta R.T. -0.02 min
 Lab File: BE091549.D
 Acq: 28 Mar 2016 22:16

Instrument :
 BNA_E
 ClientSampleId :
 SB-5A

Tgt Ion:	266	Resp:	1321
Ion Ratio	Lower	Upper	
266	100		
268	66.7	48.2	72.2
264	64.4	52.1	78.1

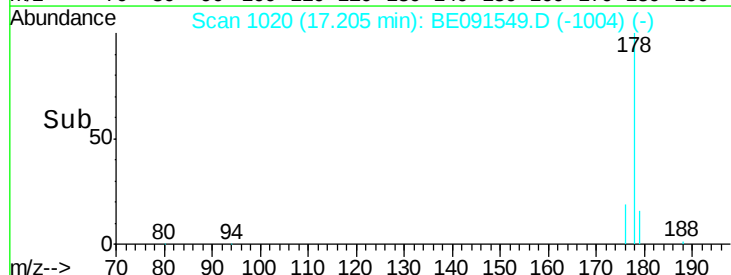
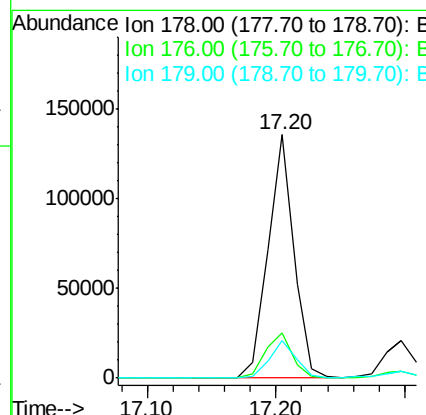
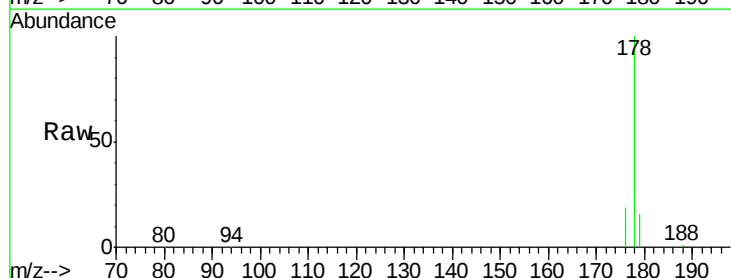
Manual Integrations
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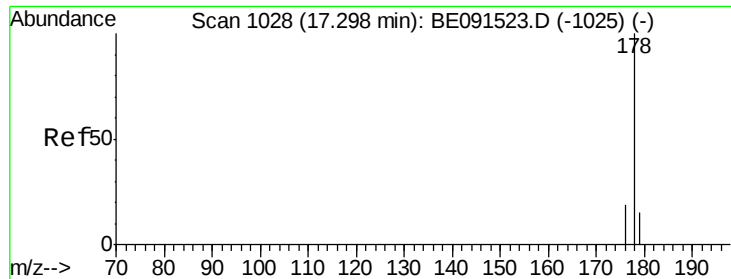
Sohil
 3/29/2016 5:05:54 PM



#19
 Phenanthrene
 Concen: 2.55 ng
 RT: 17.20 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BE091549.D
 Acq: 28 Mar 2016 22:16

Tgt Ion:	178	Resp:	190238
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.5	23.3
179	15.7	13.1	19.7





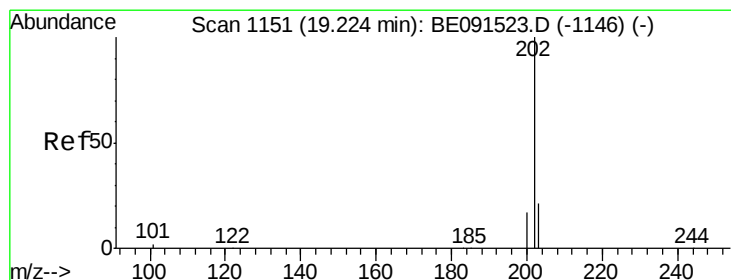
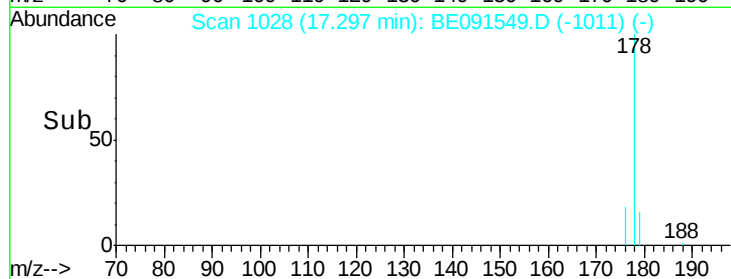
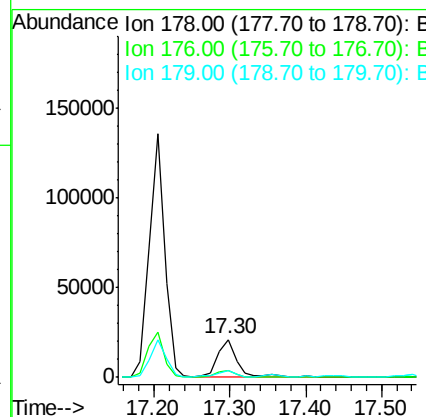
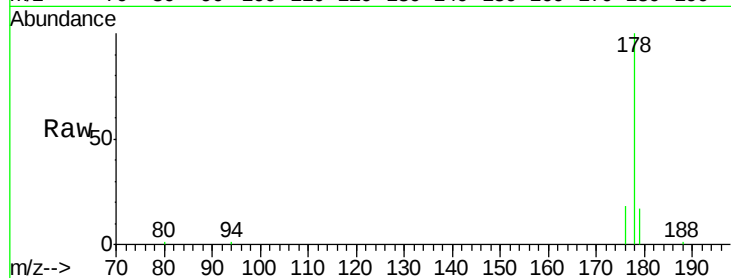
#20
 Anthracene
 Concen: 0.58 ng
 RT: 17.30 min Scan# 1028
 Delta R.T. -0.00 min
 Lab File: BE091549.D
 Acq: 28 Mar 2016 22:16

Instrument :
 BNA_E
 ClientSampleId :
 SB-5A

Tgt Ion:178 Resp: 36083
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.9 22.3
 179 15.7 12.2 18.4

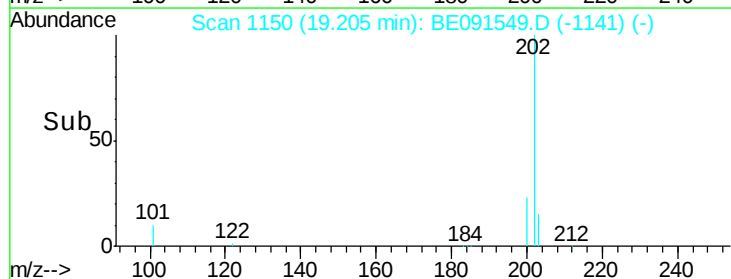
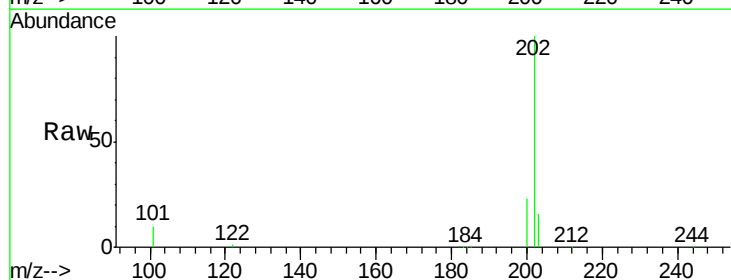
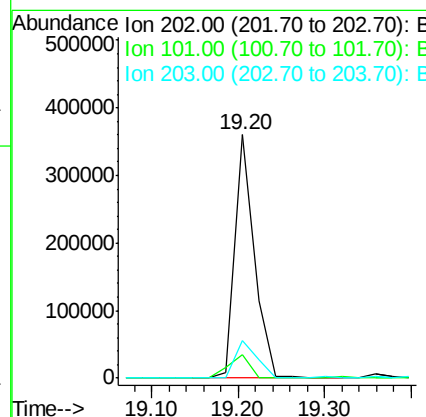
Manual Integrations
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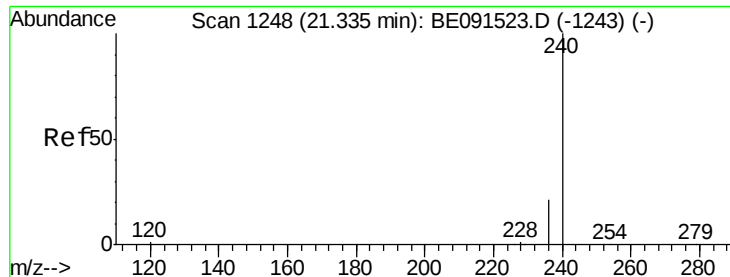
Sohil
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#21
 Fluoranthene
 Concen: 8.05 ng
 RT: 19.20 min Scan# 1150
 Delta R.T. -0.02 min
 Lab File: BE091549.D
 Acq: 28 Mar 2016 22:16

Tgt Ion:202 Resp: 561960
 Ion Ratio Lower Upper
 202 100
 101 10.7 8.3 12.5
 203 17.1 13.9 20.9





#22

Chrysene-d12

Concen: 5.00 ng

RT: 21.34 min Scan# 1248

Delta R.T. -0.00 min

Lab File: BE091549.D

Acq: 28 Mar 2016 22:16

Instrument :

BNA_E

ClientSampleId :

SB-5A

Tgt Ion: 240 Resp: 321878
Ion Ratio Lower Upper

240 100

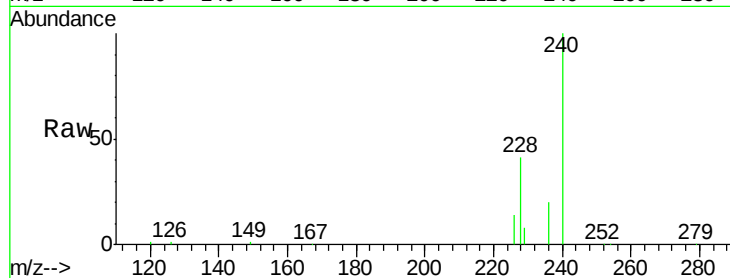
120 0.9 4.0 6.0#

236 20.1 23.0 34.4#

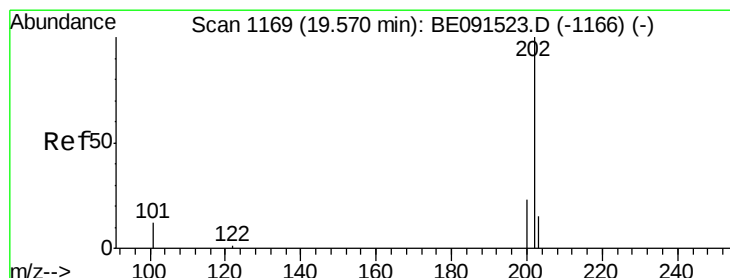
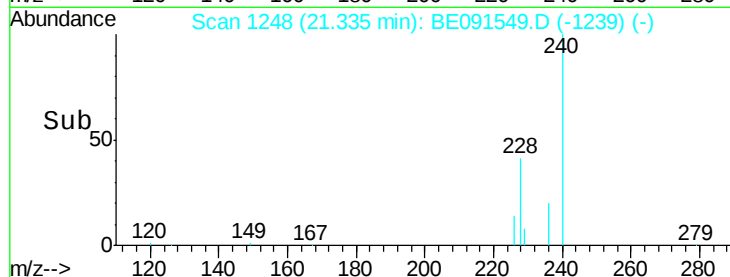
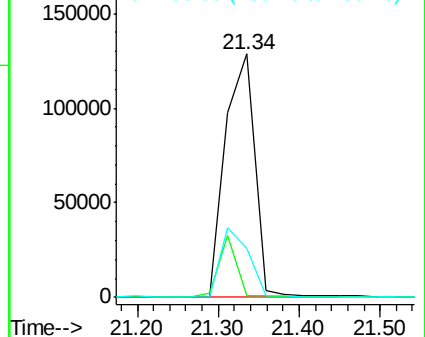
Manual Integrations
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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#23

Pyrene

Concen: 7.14 ng

RT: 19.57 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BE091549.D

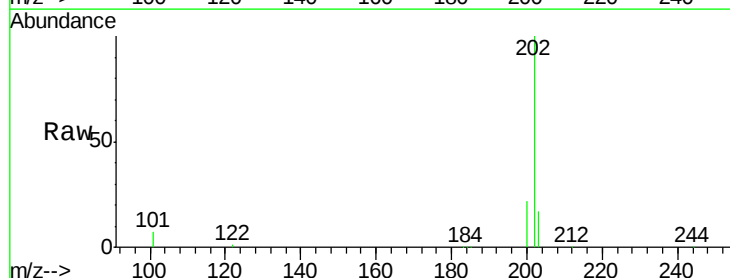
Acq: 28 Mar 2016 22:16

Tgt Ion: 202 Resp: 542969
Ion Ratio Lower Upper

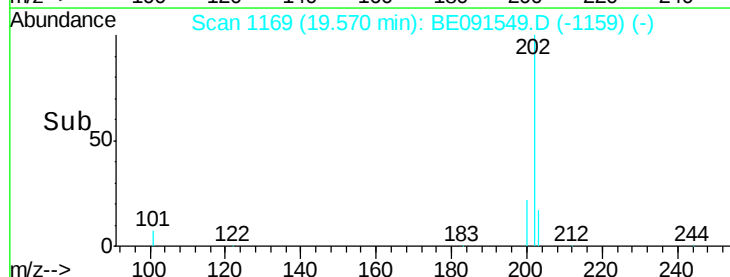
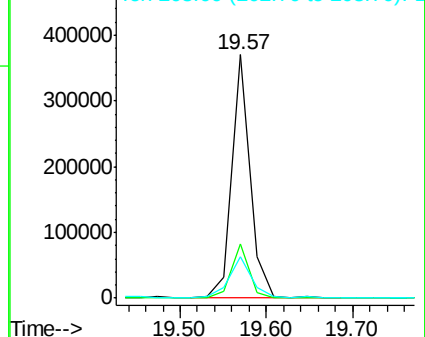
202 100

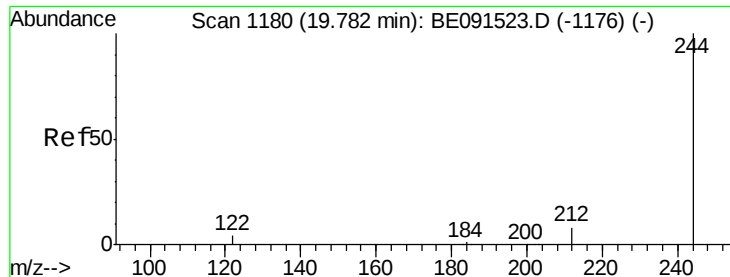
200 21.6 16.4 24.6

203 21.6 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





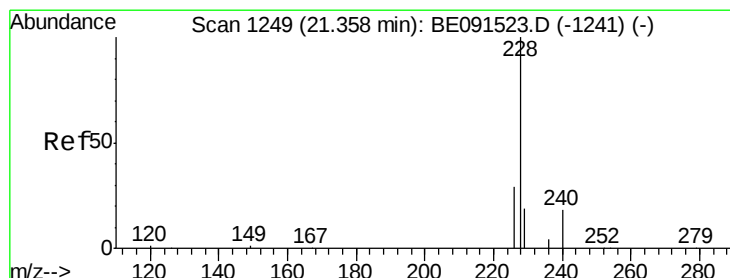
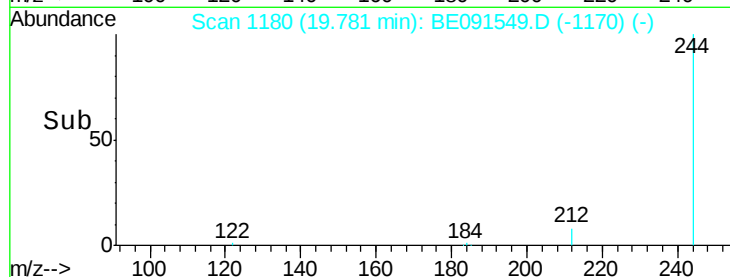
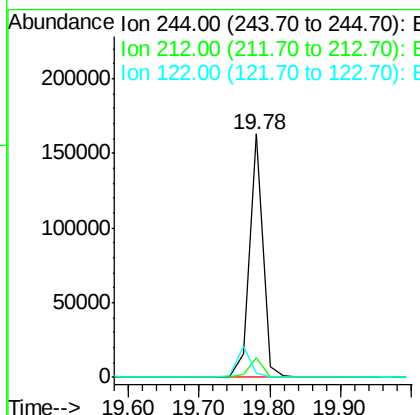
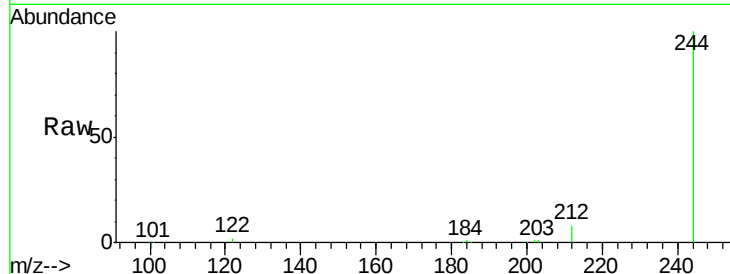
#24
 Terphenyl-d14
 Concen: 4.09 ng
 RT: 19.78 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BE091549.D
 Acq: 28 Mar 2016 22:16

Instrument :
 BNA_E
 ClientSampleId :
 SB-5A

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.9	5.8	8.8
122	1.6	1.8	2.8#

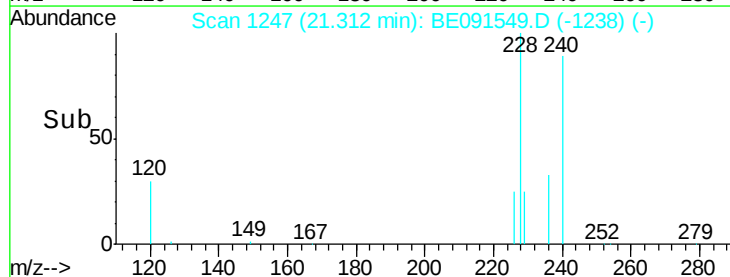
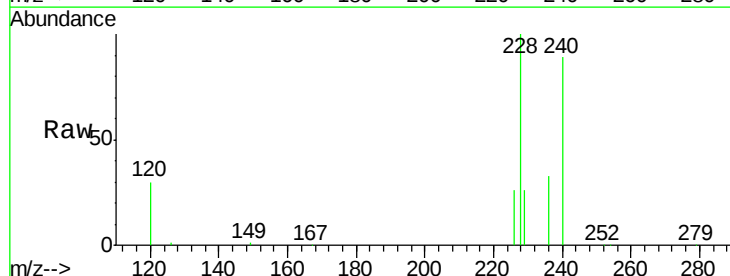
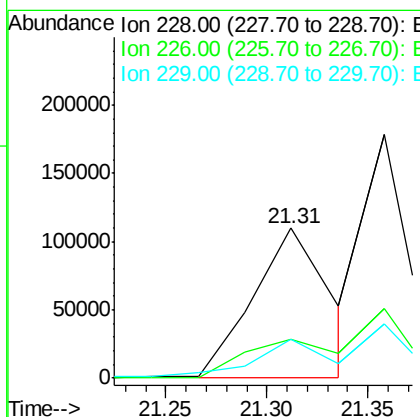
Manual Integrations
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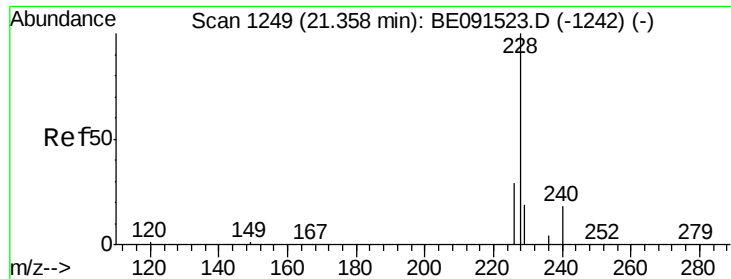
Sohil
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#25
 Benzo(a)anthracene
 Concen: 3.93 ng m
 RT: 21.31 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: BE091549.D
 Acq: 28 Mar 2016 22:16

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.0	24.0	36.0
229	26.1	13.8	20.6#





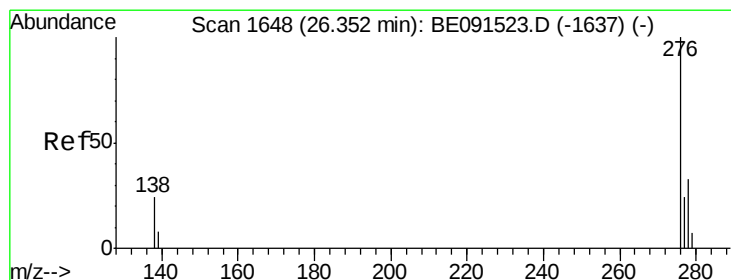
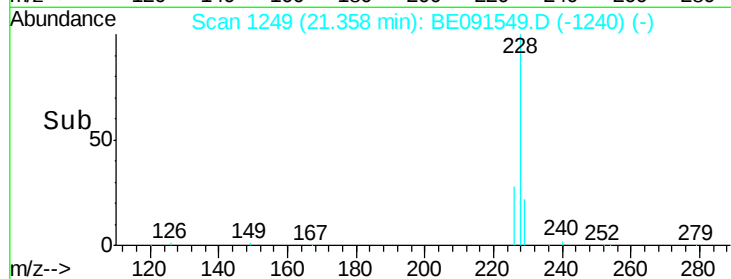
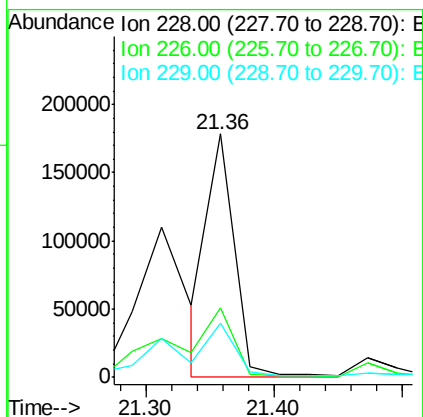
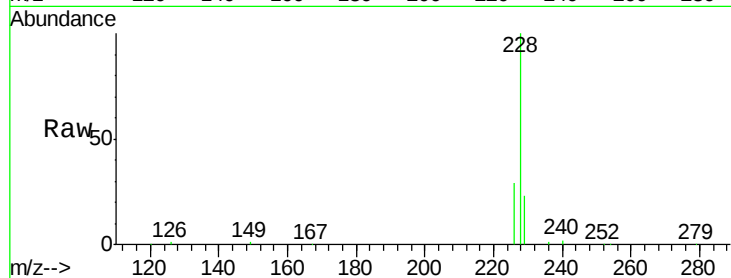
#26
Chrysene
Concen: 2.71 ng m
RT: 21.36 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

Instrument :
BNA_E
ClientSampleId :
SB-5A

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	18.9	28.3#
229	22.5	19.1	28.7

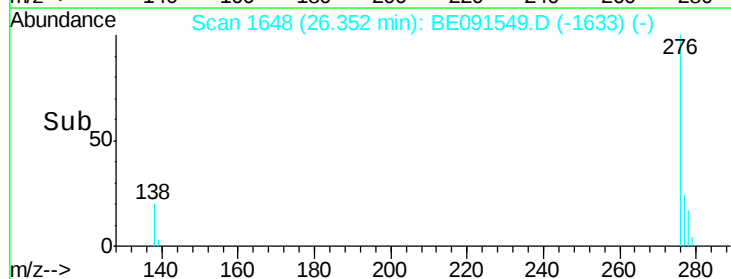
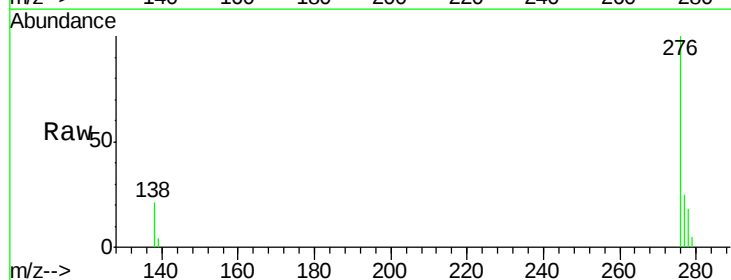
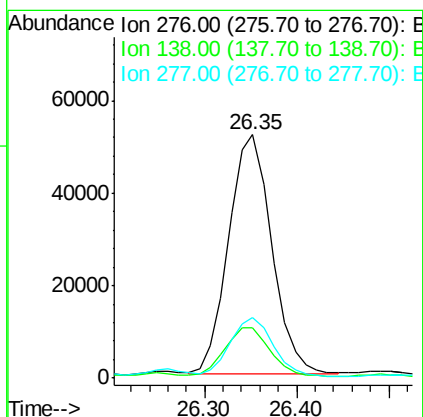
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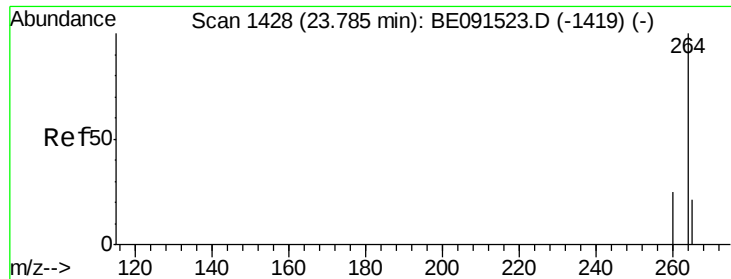
Sohil
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#27
Indeno(1,2,3-cd)pyrene
Concen: 2.23 ng
RT: 26.35 min Scan# 1648
Delta R.T. -0.02 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.9	20.2	30.4
277	24.1	19.8	29.8





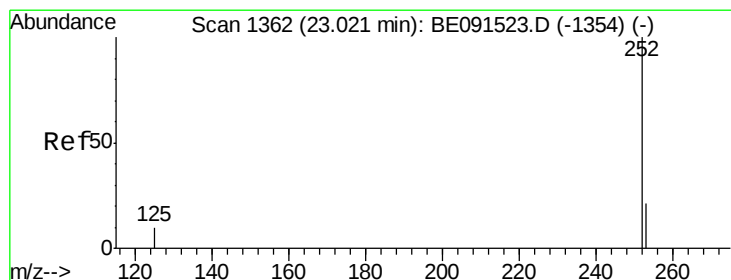
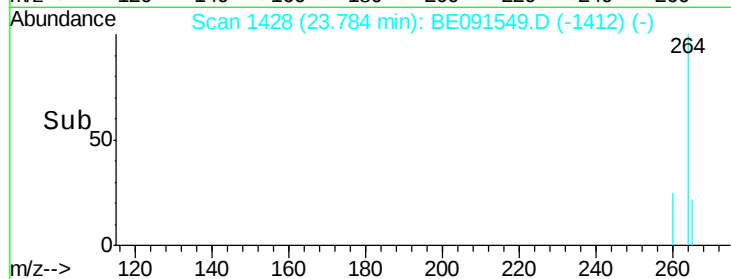
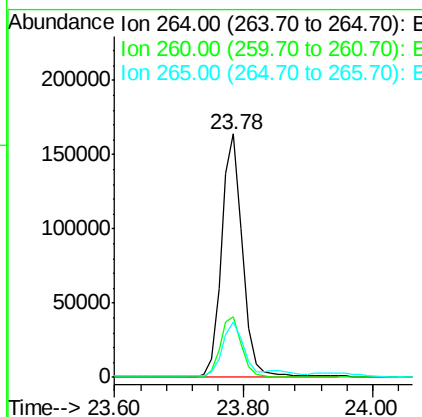
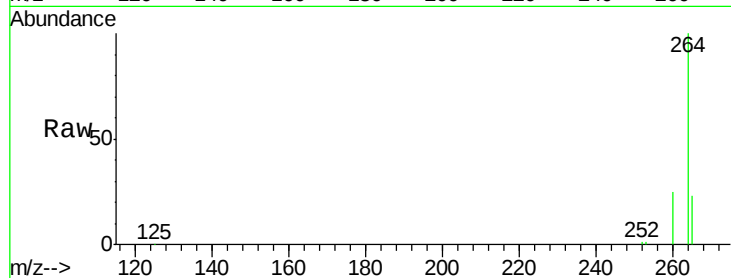
#28
Perylene-d12
Concen: 5.00 ng
RT: 23.78 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

Instrument :
BNA_E
ClientSampleId :
SB-5A

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	368941		
260	25.0	20.1	30.1	
265	22.9	18.3	27.5	

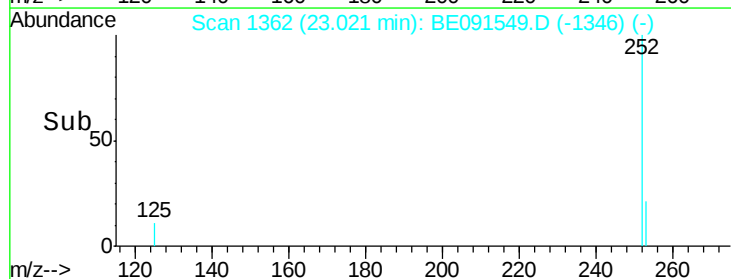
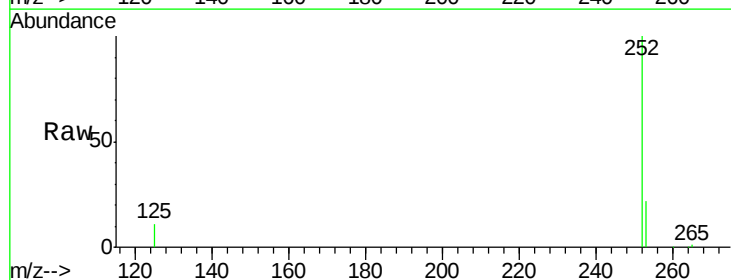
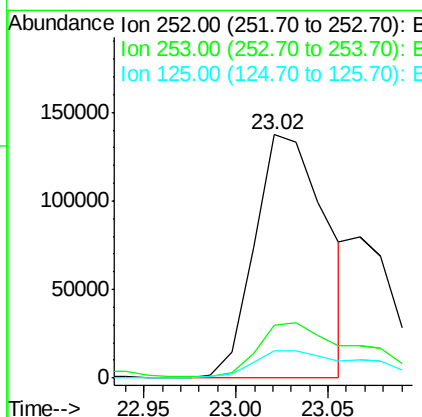
Manual Integrations
APPROVED

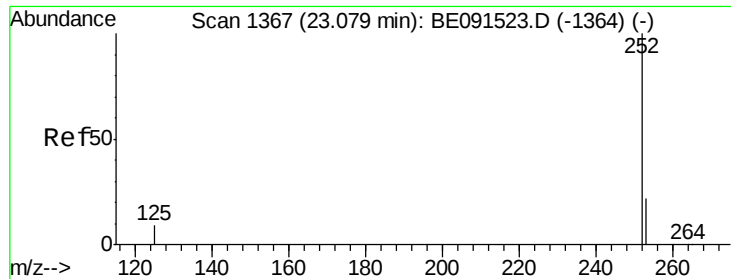
Sohil
3/29/2016 5:05:54 PM



#29
Benzo(b)fluoranthene
Concen: 4.55 ng m
RT: 23.02 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	372829		
253	21.8	18.7	28.1	
125	11.2	9.8	14.6	





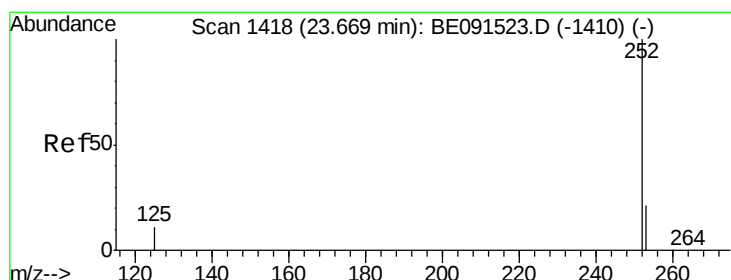
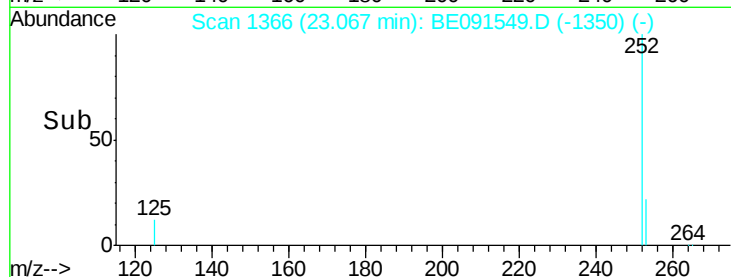
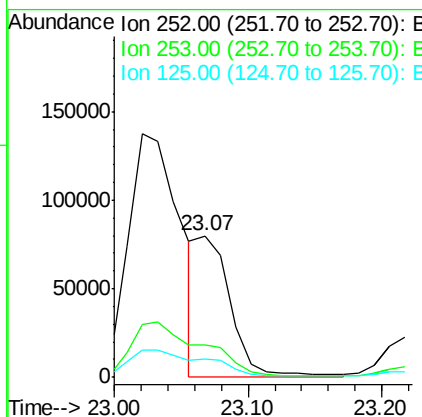
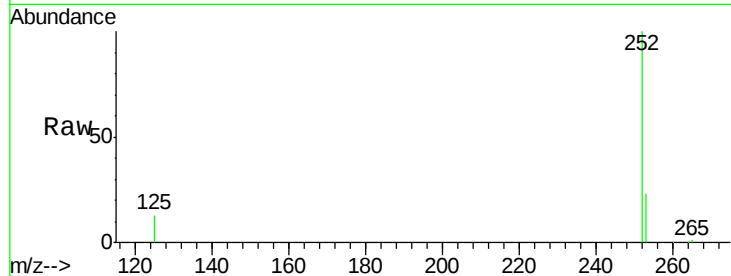
#30
Benzo(k)fluoranthene
Concen: 1.68 ng m
RT: 23.07 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

Instrument :
BNA_E
ClientSampled :
SB-5A

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	20.2	30.4
125	12.7	9.4	14.2

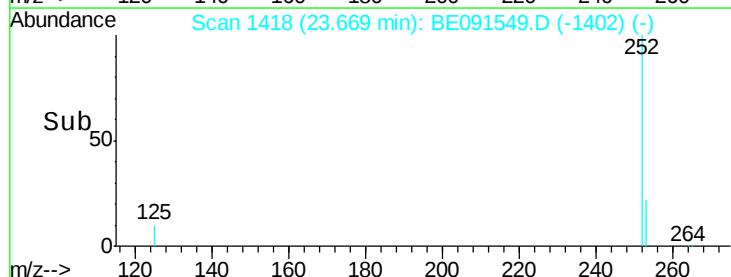
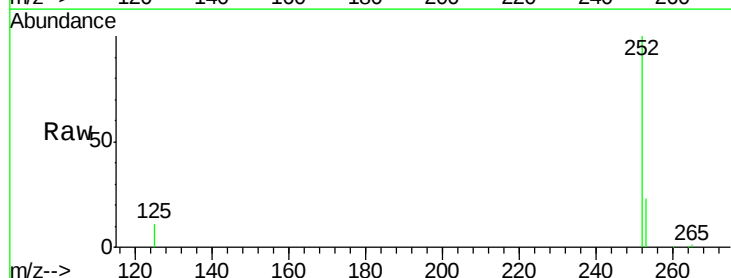
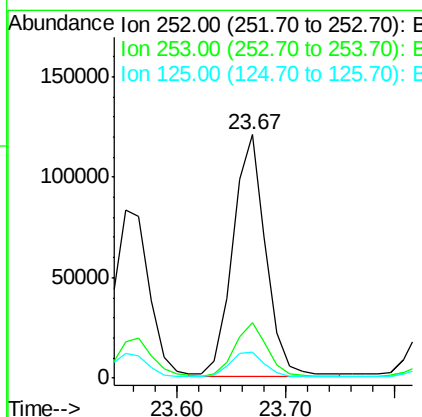
Manual Integrations
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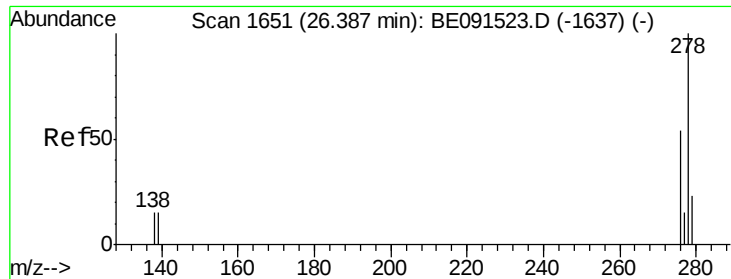
Sohil
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#31
Benzo(a)pyrene
Concen: 3.18 ng m
RT: 23.67 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.4	29.0
125	10.8	11.4	17.2#





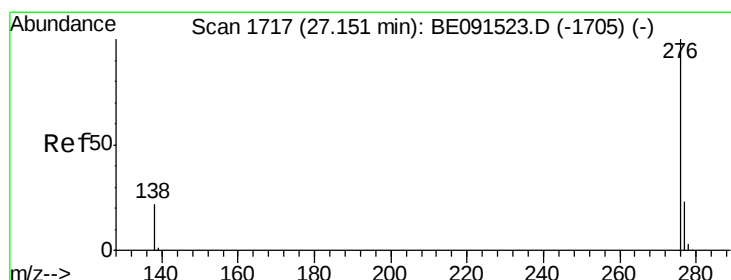
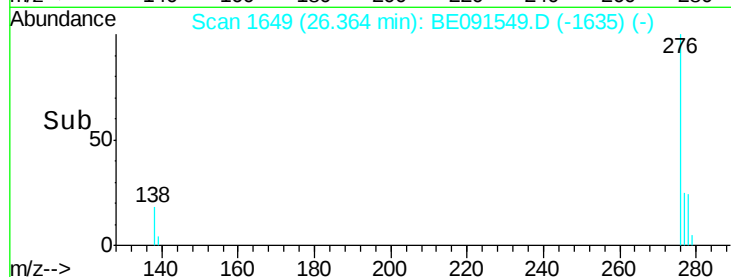
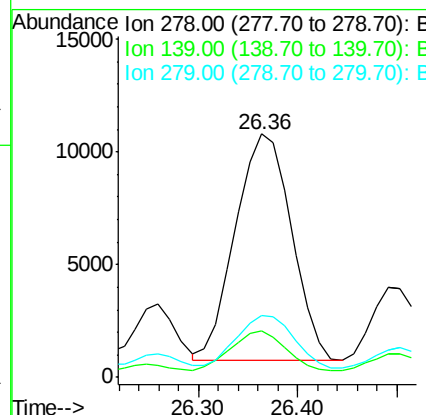
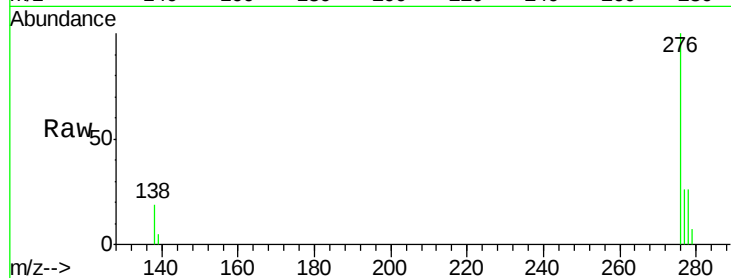
#32
Dibenzo(a,h)anthracene
Concen: 0.54 ng
RT: 26.36 min Scan# 1649
Delta R.T. -0.03 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

Instrument :
BNA_E
ClientSampleId :
SB-5A

Tgt Ion:	278	Resp:	39474
Ion Ratio	Lower	Upper	
278	100		
139	18.9	14.2	21.4
279	25.2	19.6	29.4

Manual Integrations
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3/29/2016 5:05:54 PM



#33
Benzo(g,h,i)perylene
Concen: 2.26 ng
RT: 27.15 min Scan# 1717
Delta R.T. -0.01 min
Lab File: BE091549.D
Acq: 28 Mar 2016 22:16

Tgt Ion:	276	Resp:	171410
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.4	29.2
138	20.8	18.2	27.4

