

Data Path : Z:\HPCHEM1\BNA E\DATA\BE011917\
 Data File : BE092659.D
 Acq On : 19 Jan 2017 16:14
 Operator : UM/SJ
 Sample : I1305-30
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 0048

Manual Integrations
 APPROVED

mohammad
 1/20/2017 2:05:19 PM

Quant Time: Jan 19 16:55:45 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	9076	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	39478	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	22746	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	49603	5.00	ng	0.00
24) Chrysene-d12	21.72	240	60204	5.00	ng	0.00
31) Perylene-d12	24.06	264	63602	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.63	112	21574	10.65	ng	-0.02
5) Phenol-d6	7.29	99	27455	11.05	ng	-0.04
8) Nitrobenzene-d5	9.32	82	12307	4.80	ng	-0.02
13) 2,4,6-Tribromophenol	16.29	330	6415	9.53	ng	-0.01
14) 2-Fluorobiphenyl	13.41	172	26991	4.83	ng	-0.01
26) Terphenyl-d14	20.16	244	38193	4.49	ng	0.00
Target Compounds						
9) Naphthalene	10.95	128	53342	6.47	ng	Qvalue # 95
15) Acenaphthylene	14.49	152	576833	18.40	ng	99
16) Acenaphthene	14.85	154	34922	6.95	ng	94
17) Fluorene	15.83	166	11610	1.84	ng	99
21) Phenanthrene	17.58	178	28334	2.59	ng	95
22) Anthracene	17.67	178	44738	4.43	ng	99
23) Fluoranthene	19.58	202	33637	0.69	ng	100
25) Pyrene	19.93	202	68450	1.15	ng	100
27) Benzo(a)anthracene	21.70	228	173255m	2.92	ng	
28) Chrysene	21.75	228	259914m	3.90	ng	
30) Indeno(1,2,3-cd)pyrene	26.53	276	263666	3.66	ng	97
32) Benzo(b)fluoranthene	23.34	252	59980	3.90	ng	96
33) Benzo(k)fluoranthene	23.38	252	23425	1.52	ng	94
34) Benzo(a)pyrene	23.96	252	11961	0.83	ng	97
35) Dibenzo(a,h)anthracene	26.57	278	13916	0.98	ng	97
36) Benzo(g,h,i)perylene	27.30	276	104736	1.75	ng	98

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

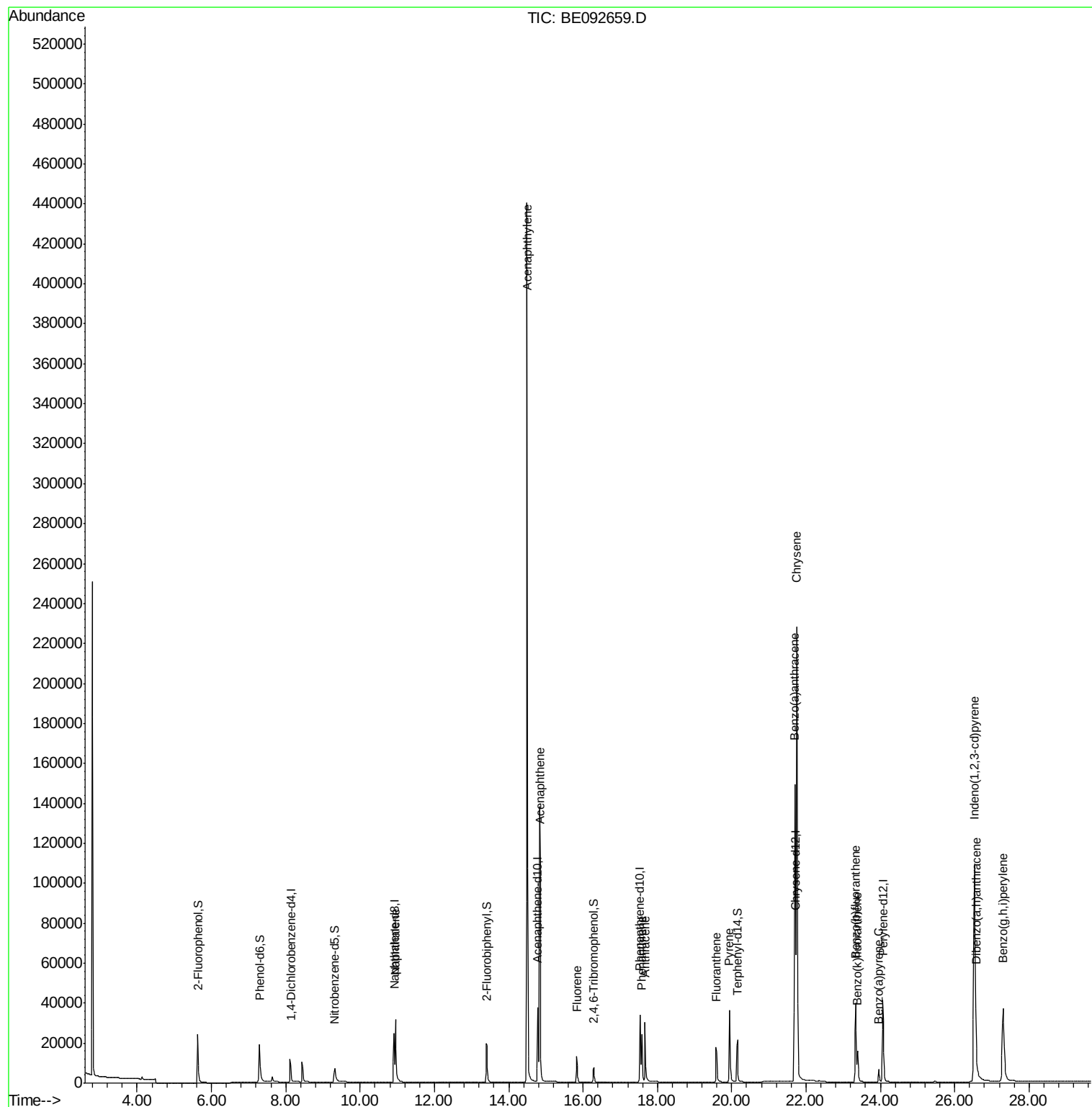
Data Path : Z:\HPCHEM1\BNA E\DATA\BE011917\
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ALS Vial : 3 Sample Multiplier: 1

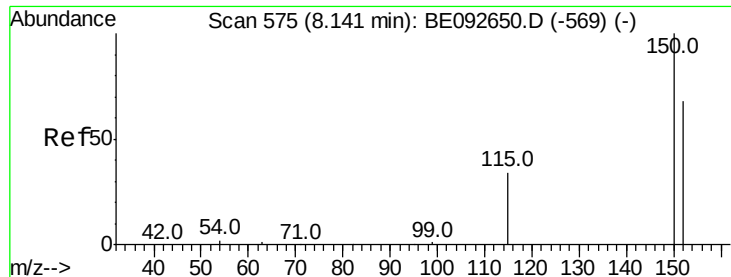
Instrument :
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Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

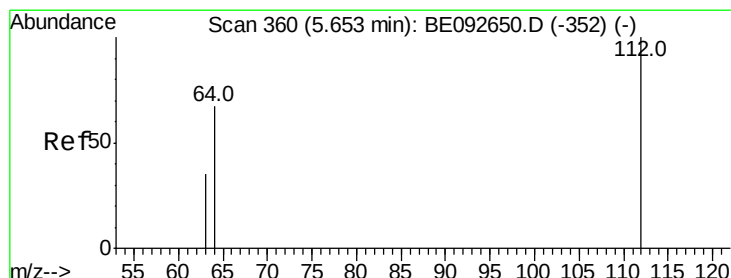
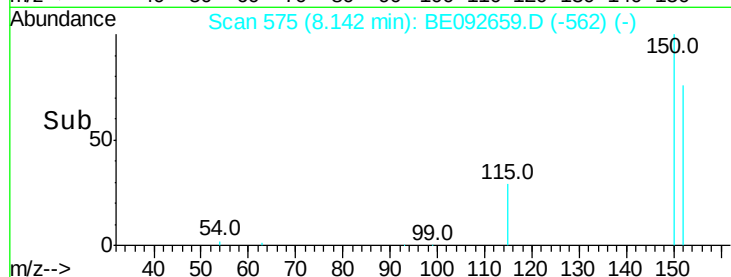
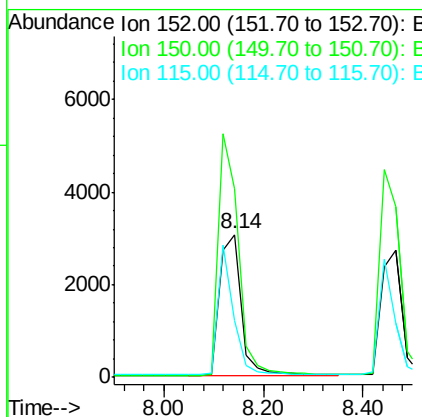
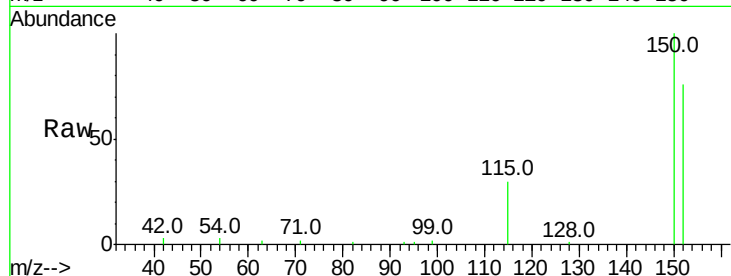
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.14 min Scan# 575
Delta R.T. 0.00 min
Lab File: BE092659.D
Acq: 19 Jan 2017 16:14

Instrument :
BNA_E
ClientSampleId :
0048

Tot Ion	Ratio	Lower	Upper
152	100		
150	131.4	106.0	159.0
115	39.5	31.2	46.8

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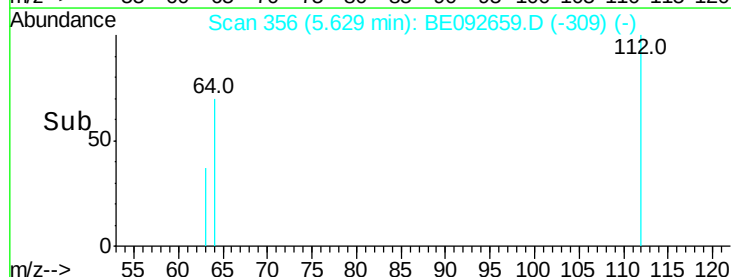
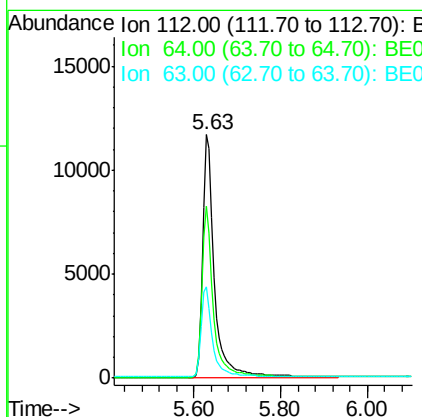
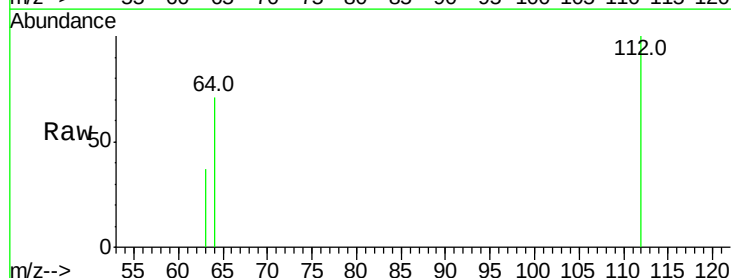
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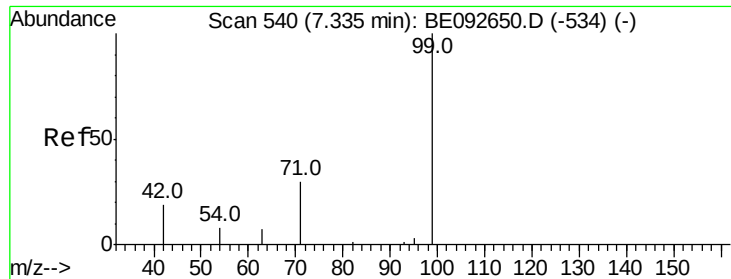


#4

2-Fluorophenol
Concen: 10.65 ng
RT: 5.63 min Scan# 356
Delta R.T. -0.02 min
Lab File: BE092659.D
Acq: 19 Jan 2017 16:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.3	53.5	80.3
63	37.1	27.9	41.9





#5

Phenol-d6

Concen: 11.05 ng

RT: 7.29 min Scan# 538

Delta R.T. -0.04 min

Lab File: BE092659.D

Acq: 19 Jan 2017 16:14

Instrument :

BNA_E

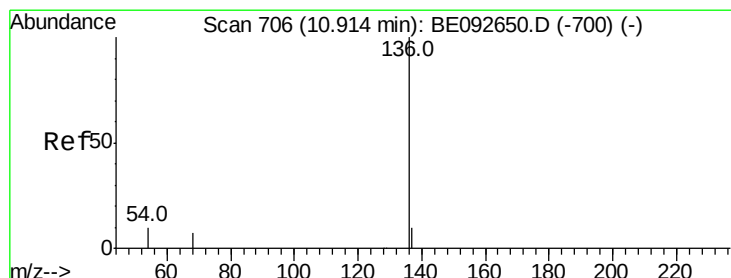
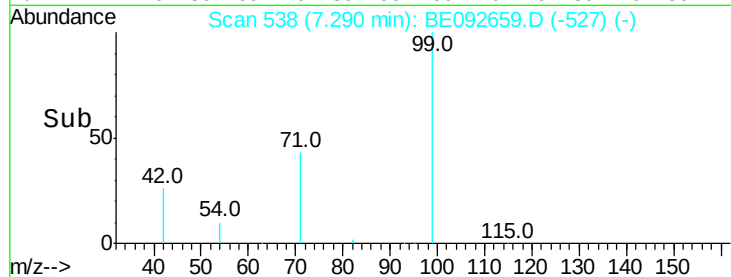
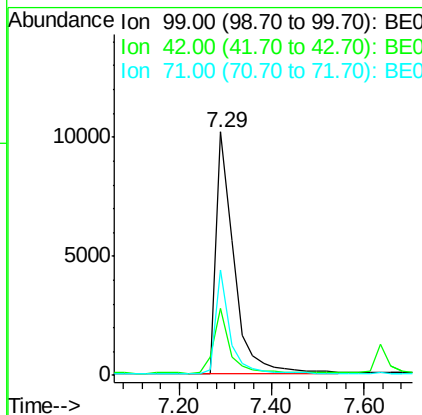
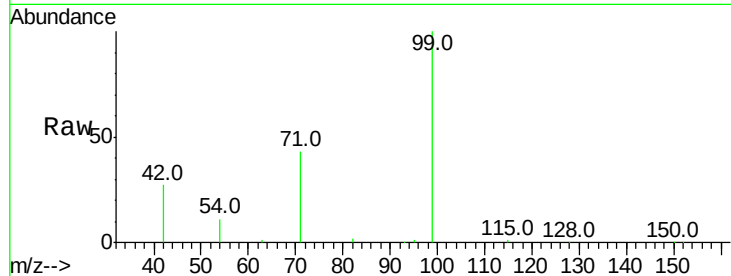
ClientSampled :

0048

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		27455		
42	24.4	16.0	24.0#		
71	35.3	30.6	45.8		

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#7

Naphthalene-d8

Concen: 5.00 ng

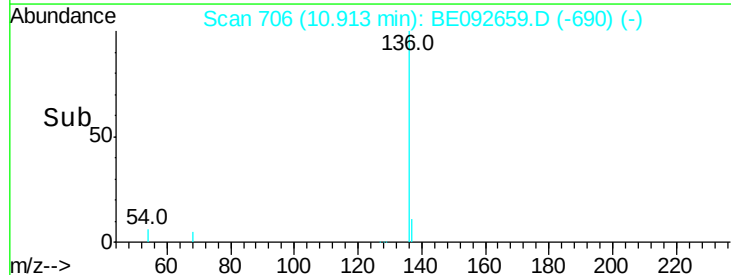
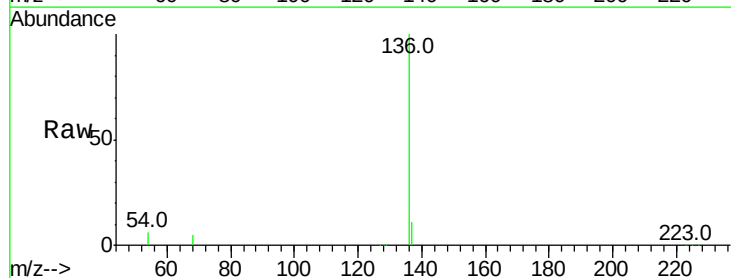
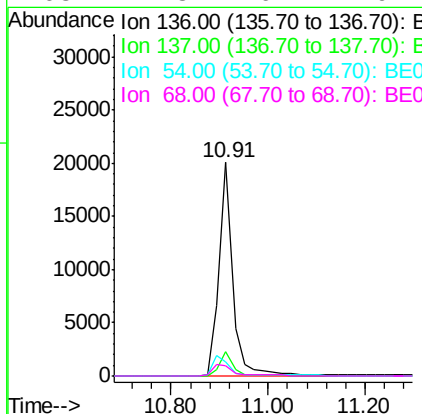
RT: 10.91 min Scan# 706

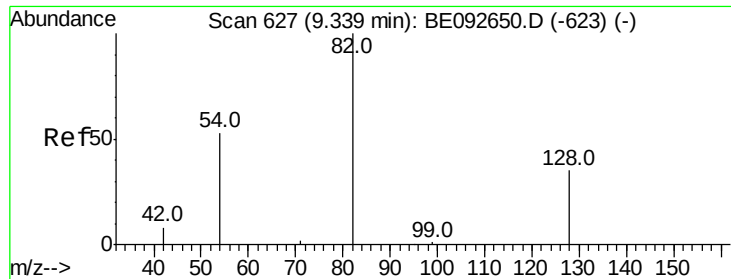
Delta R.T. -0.00 min

Lab File: BE092659.D

Acq: 19 Jan 2017 16:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		39478		
137	11.4	8.2	12.4		
54	6.4	9.6	14.4#		
68	4.8	6.7	10.1#		





#8

Nitrobenzene-d5

Concen: 4.80 ng

RT: 9.32 min Scan# 626

Delta R.T. -0.02 min

Lab File: BE092659.D

Acq: 19 Jan 2017 16:14

Instrument :

BNA_E

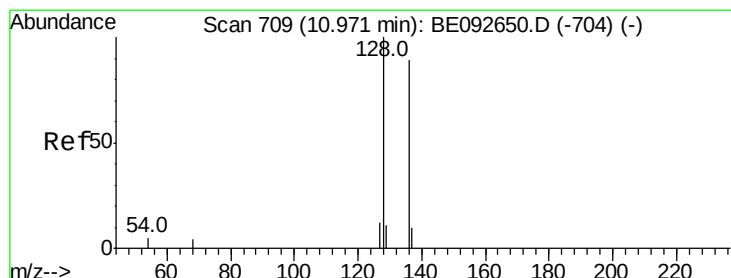
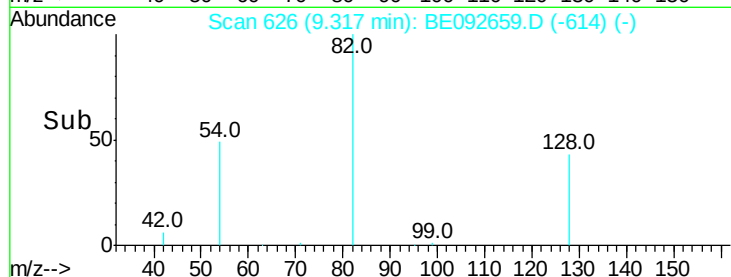
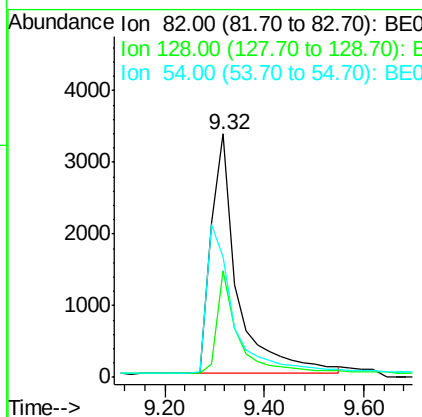
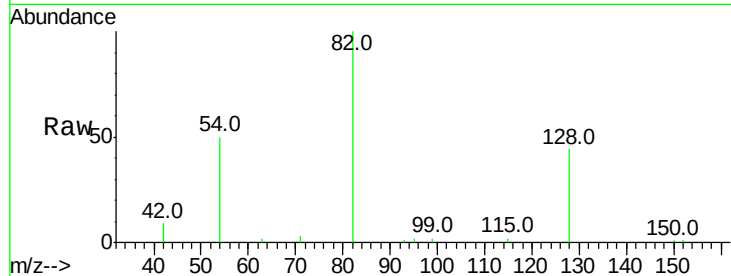
ClientSampleId :

0048

Tot Ion:	82	Resp:	12307
Ion Ratio	Lower	Upper	
82	100		
128	44.0	39.0	58.4
54	49.7	44.8	67.2

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#9

Naphthalene

Concen: 6.47 ng

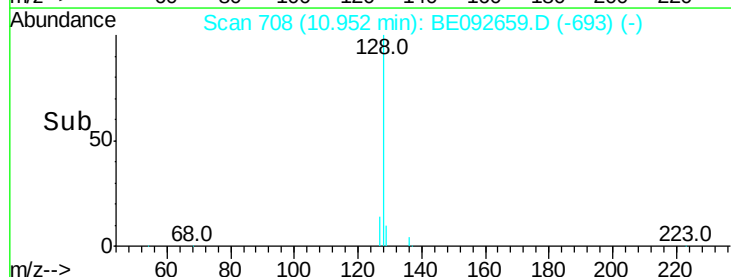
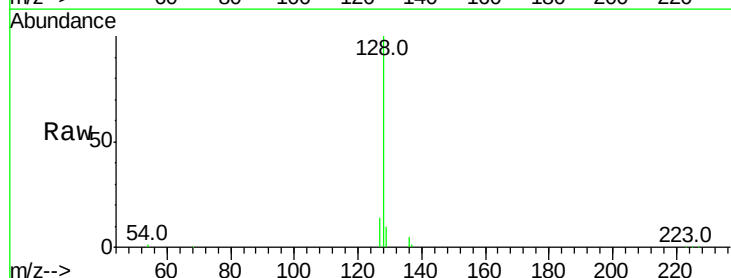
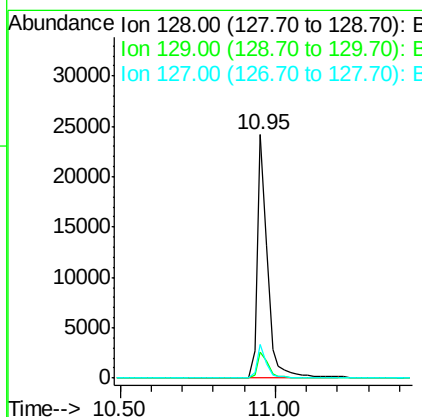
RT: 10.95 min Scan# 708

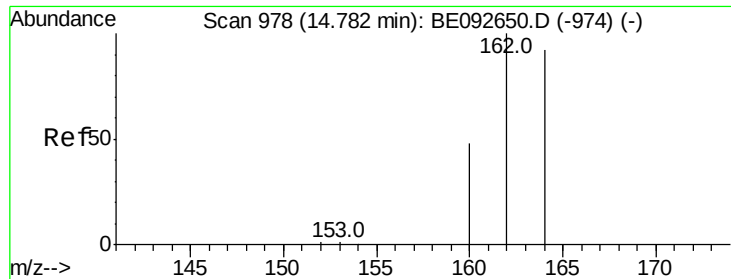
Delta R.T. -0.02 min

Lab File: BE092659.D

Acq: 19 Jan 2017 16:14

Tgt Ion:	128	Resp:	53342
Ion Ratio	Lower	Upper	
128	100		
129	10.4	11.2	16.8#
127	13.7	11.6	17.4





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 978

Delta R.T. -0.00 min

Lab File: BE092659.D

Acq: 19 Jan 2017 16:14

Instrument :

BNA_E

ClientSampleId :

0048

Tot Ion:164 Resp: 22746

Ion Ratio Lower Upper

164 100

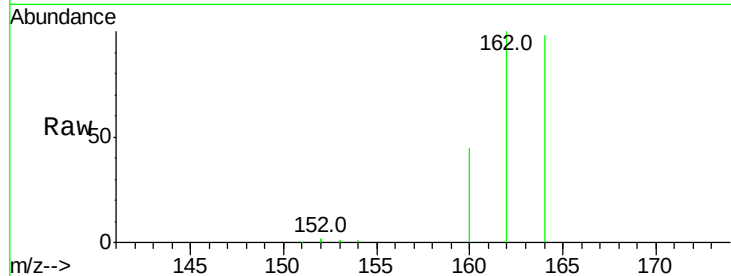
162 102.0 71.4 107.0

160 45.9 27.4 41.2#

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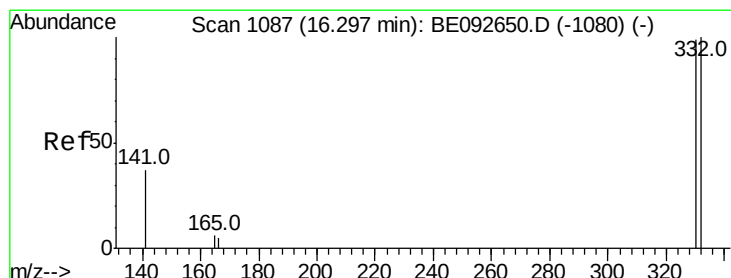
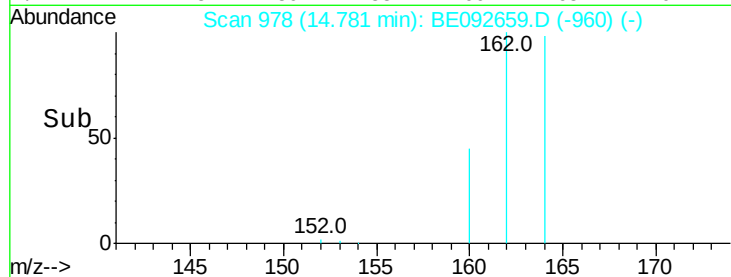
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.78

Time-->



#13

2,4,6-Tribromophenol

Concen: 9.53 ng

RT: 16.29 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE092659.D

Acq: 19 Jan 2017 16:14

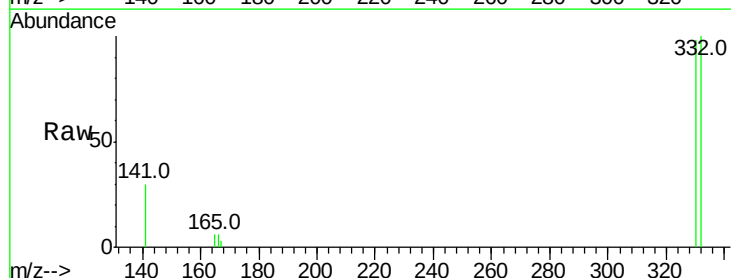
Tgt Ion:330 Resp: 6415

Ion Ratio Lower Upper

330 100

332 96.9 75.4 113.0

141 46.0 31.0 46.6



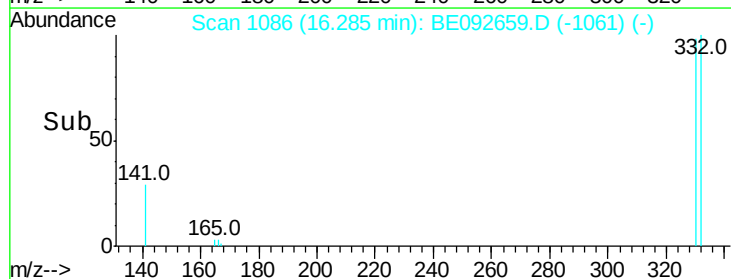
Abundance Ion 329.80 (329.50 to 330.50): E

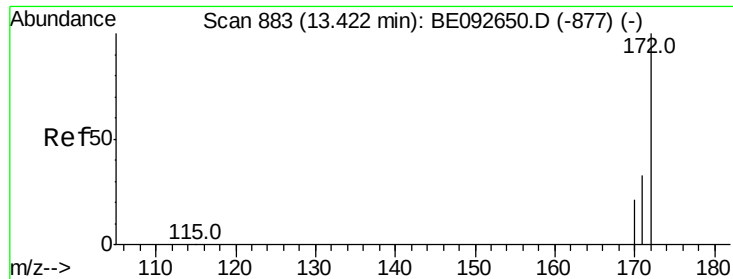
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

16.29

Time-->





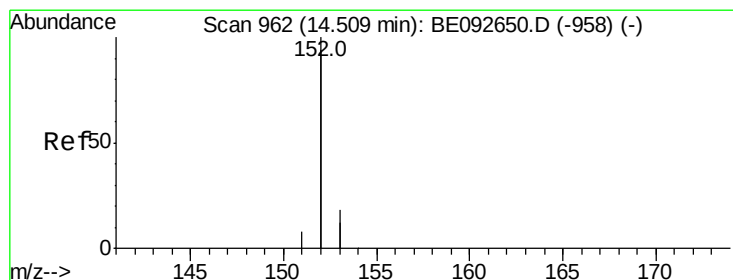
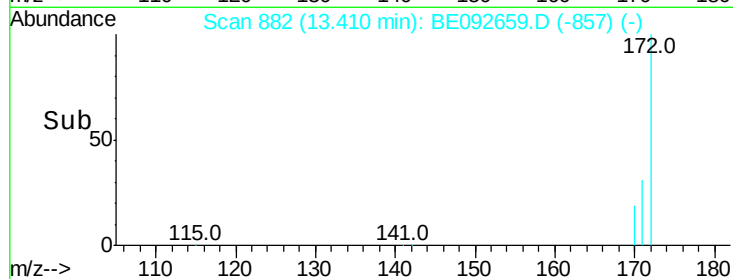
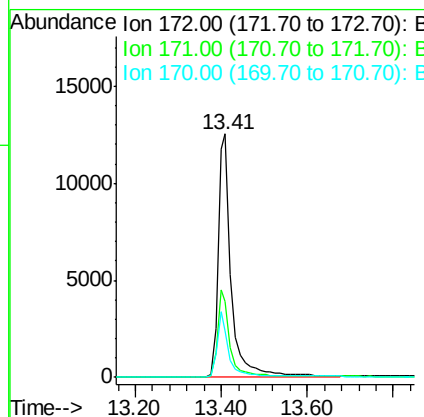
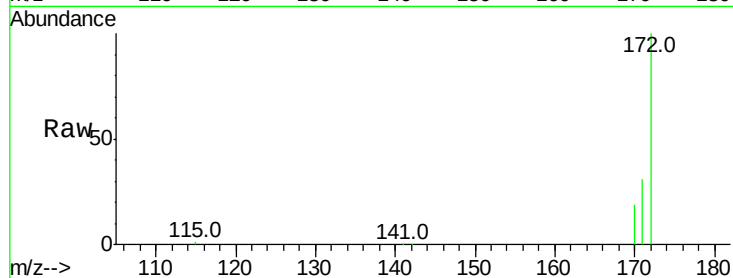
#14
2-Fluorobiphenyl
Concen: 4.83 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.01 min
Lab File: BE092659.D
Acq: 19 Jan 2017 16:14

Instrument :
BNA_E
ClientSampleId :
0048

Tot Ion	Ratio	Lower	Upper
172	100		
171	31.0	30.1	45.1
170	19.3	21.8	32.6

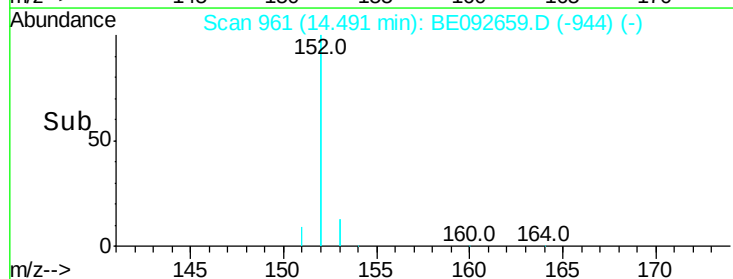
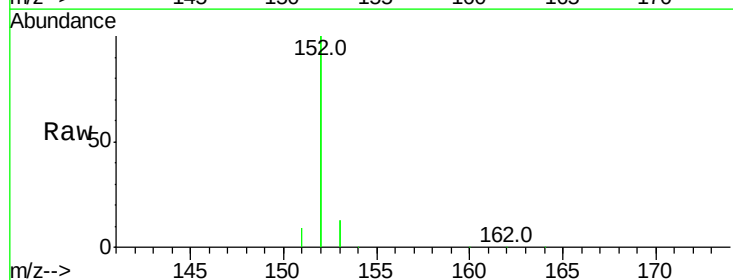
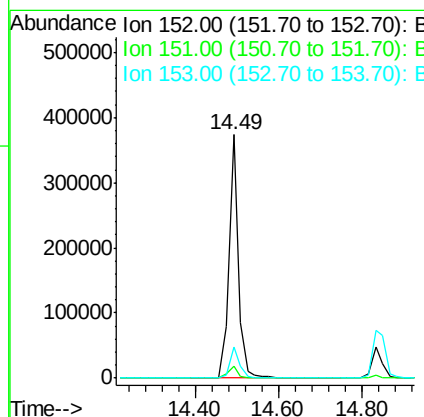
Manual Integrations
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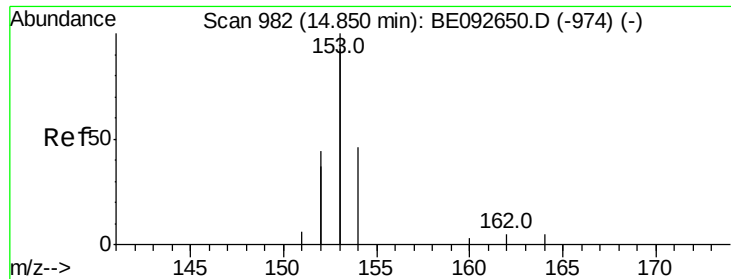
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#15
Acenaphthylene
Concen: 18.40 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.02 min
Lab File: BE092659.D
Acq: 19 Jan 2017 16:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.4	10.4	15.6





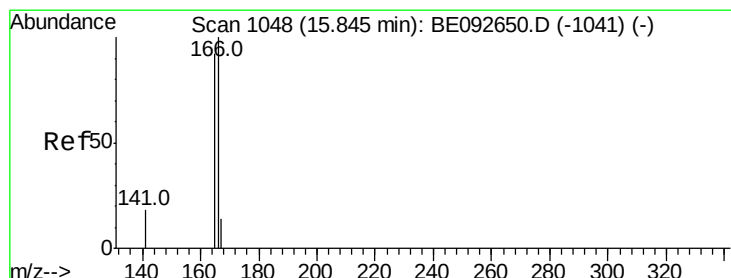
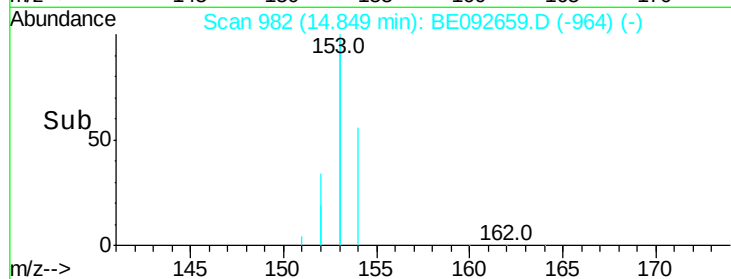
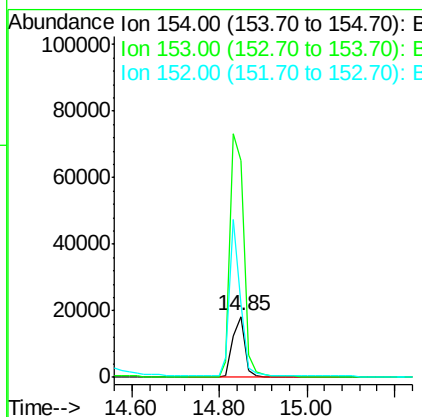
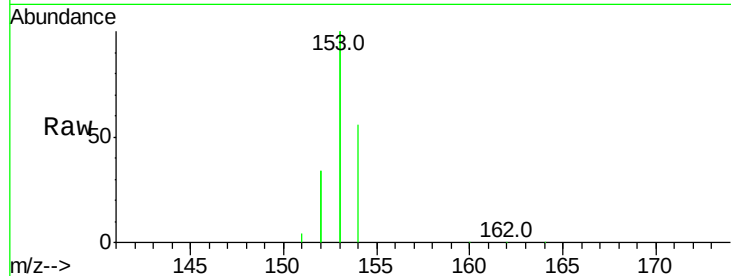
#16
Acenaphthene
Concen: 6.95 ng
RT: 14.85 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE092659.D
Acq: 19 Jan 2017 16:14

Instrument :
BNA_E
ClientSampleId :
0048

Tot Ion	Ratio	Lower	Upper
154	100		
153	445.7	350.8	526.2
152	231.9	171.1	256.7

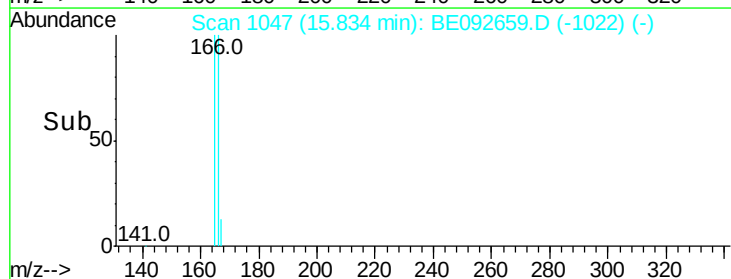
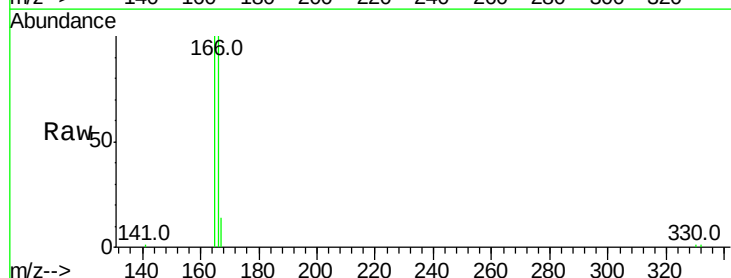
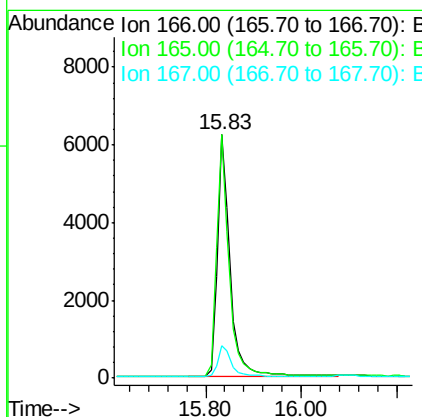
Manual Integrations
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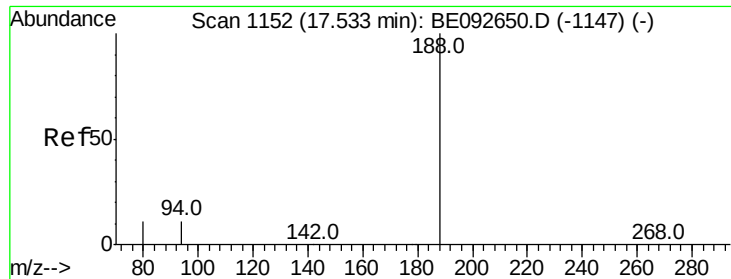
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#17
Fluorene
Concen: 1.84 ng
RT: 15.83 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BE092659.D
Acq: 19 Jan 2017 16:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.2	117.4
167	13.3	11.0	16.4





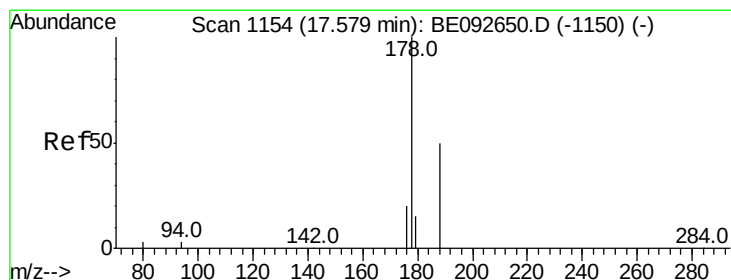
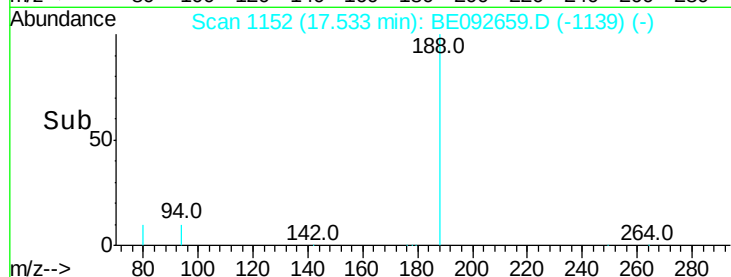
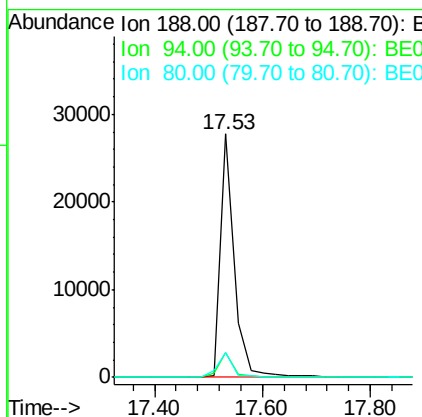
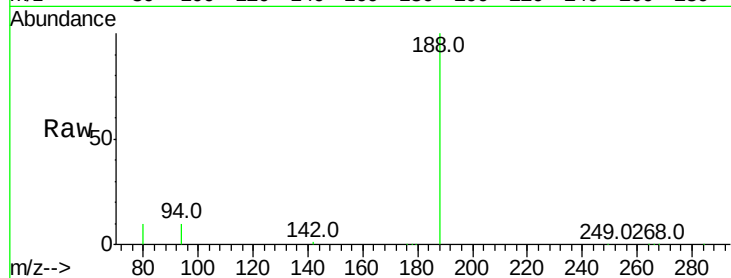
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE092659.D
Acq: 19 Jan 2017 16:14

Instrument :
BNA_E
ClientSampleId :
0048

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.2	3.2	4.8#
80	10.2	2.6	3.8#

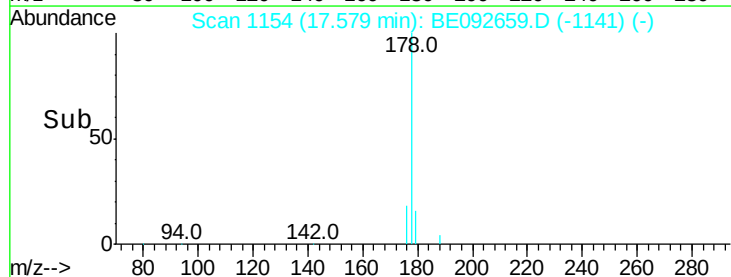
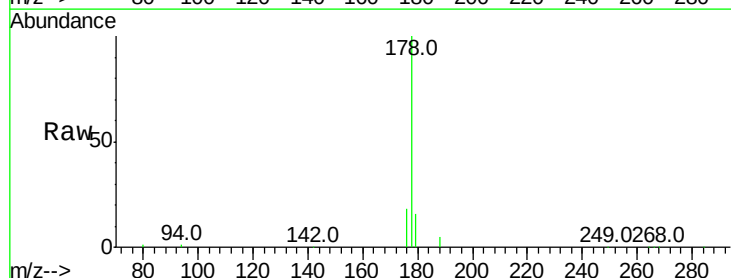
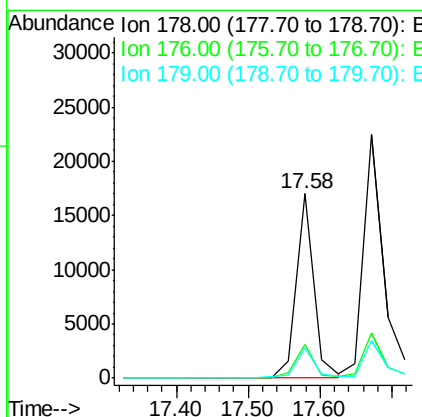
Manual Integrations
APPROVED

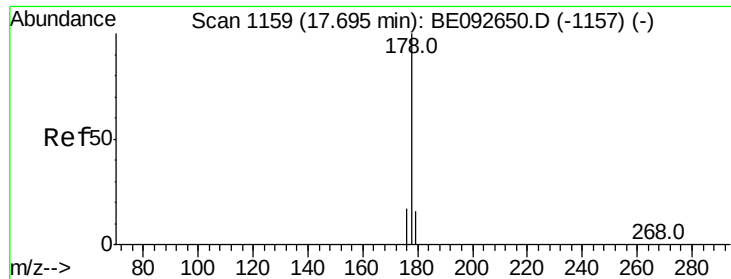
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#21
Phenanthrene
Concen: 2.59 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092659.D
Acq: 19 Jan 2017 16:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	16.0	16.0	24.0





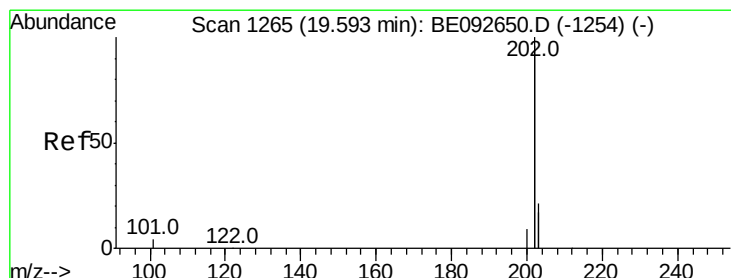
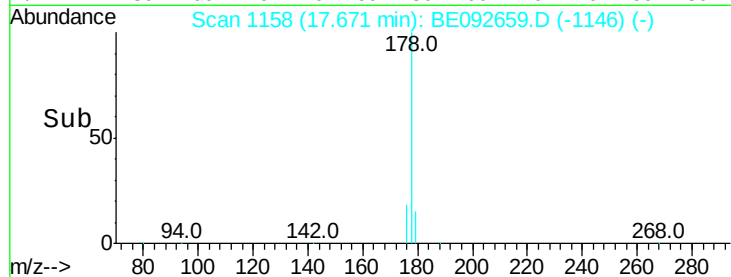
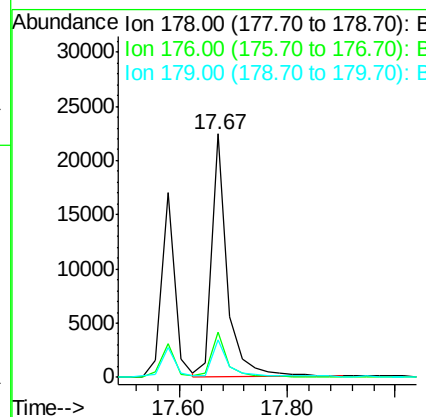
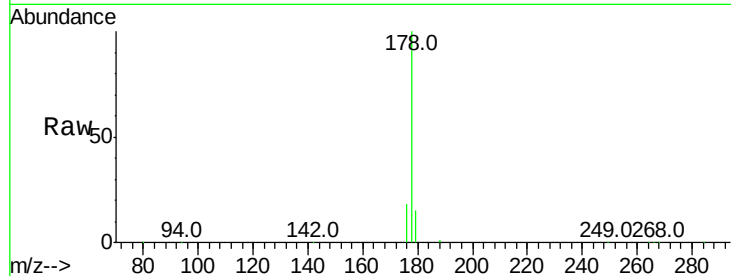
#22
 Anthracene
 Concen: 4.43 ng
 RT: 17.67 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: BE092659.D
 Acq: 19 Jan 2017 16:14

Instrument :
 BNA_E
 ClientSampleId :
 0048

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.9	12.2	18.2

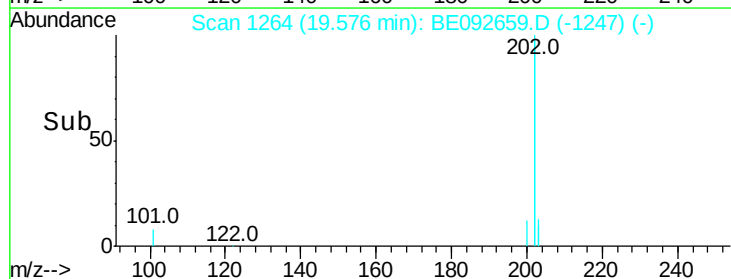
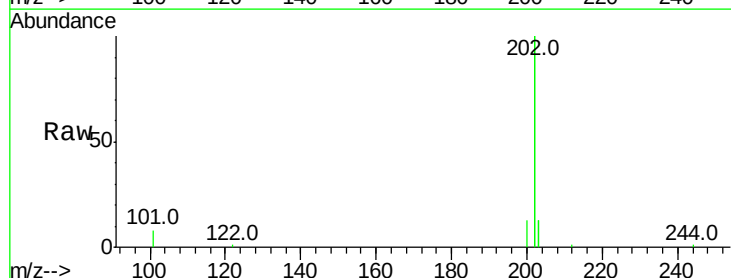
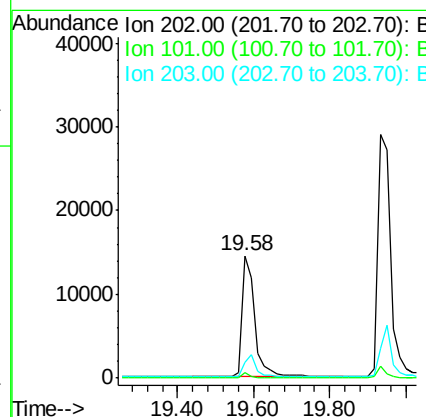
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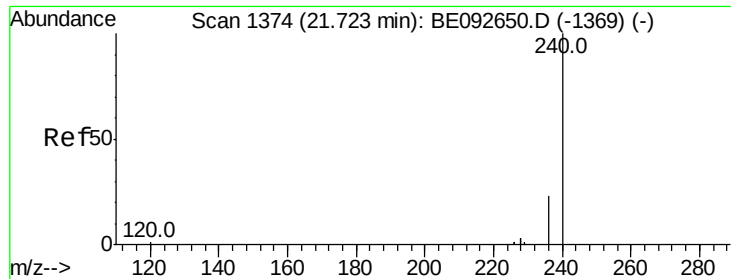
mohammad
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#23
 Fluoranthene
 Concen: 0.69 ng
 RT: 19.58 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BE092659.D
 Acq: 19 Jan 2017 16:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.0	2.2	3.4
203	17.1	13.7	20.5





#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE092659.D

Acq: 19 Jan 2017 16:14

Instrument :

BNA_E

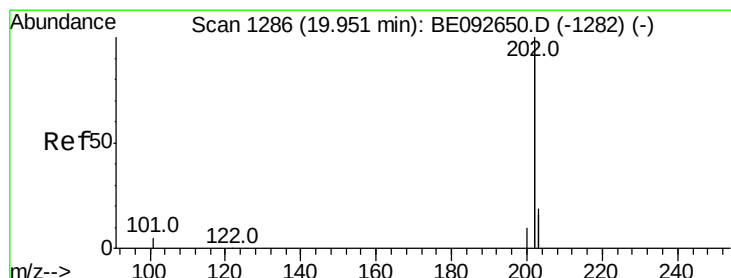
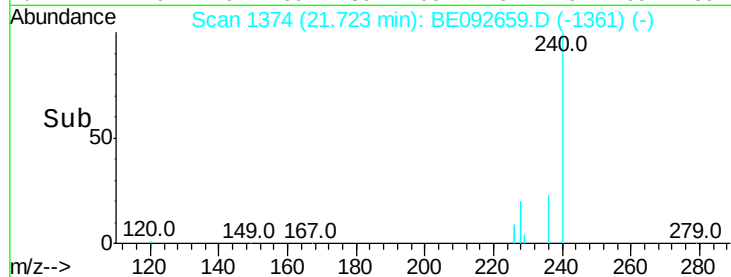
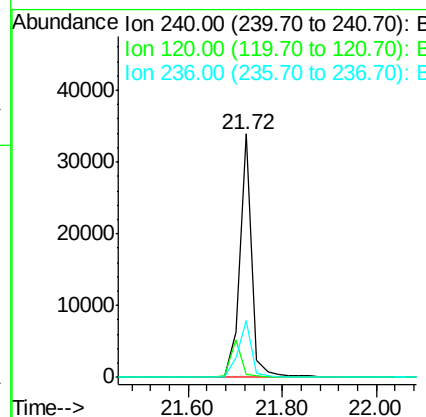
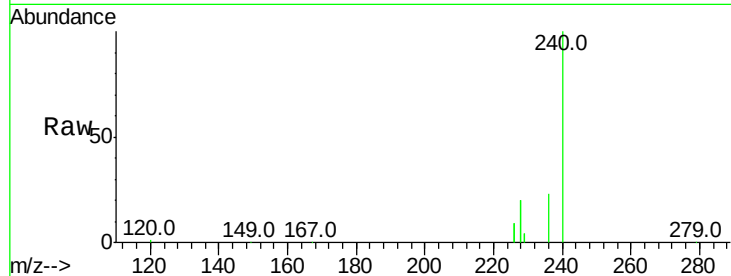
ClientSampleId :

0048

Tot Ion:240 Resp: 60204
 Ion Ratio Lower Upper
 240 100
 120 1.4 2.6 4.0#
 236 23.1 24.6 37.0#

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#25

Pyrene

Concen: 1.15 ng

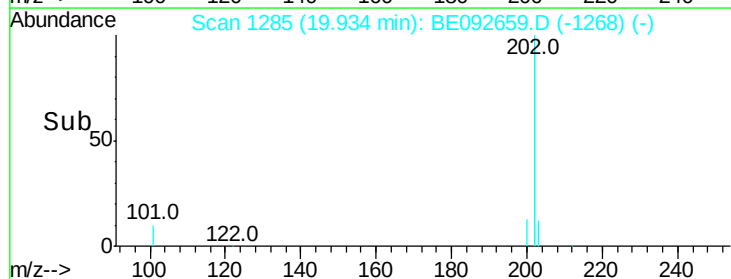
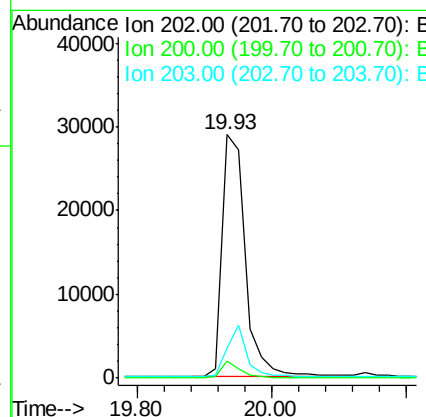
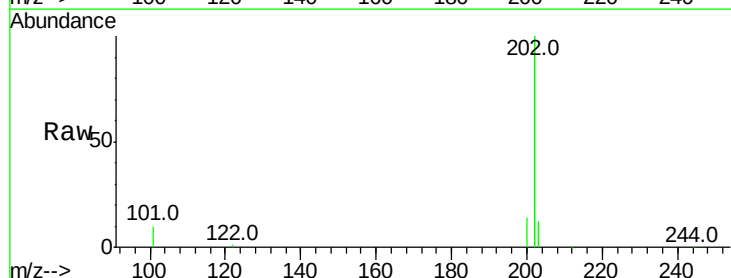
RT: 19.93 min Scan# 1285

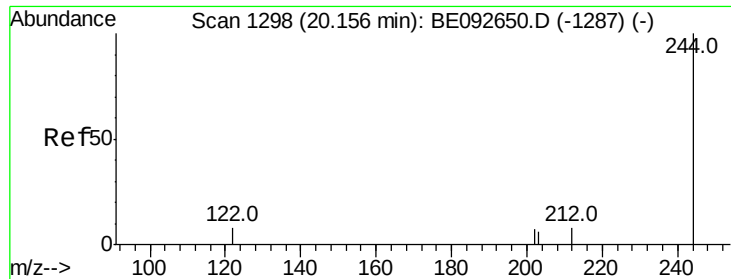
Delta R.T. -0.02 min

Lab File: BE092659.D

Acq: 19 Jan 2017 16:14

Tgt Ion:202 Resp: 68450
 Ion Ratio Lower Upper
 202 100
 200 5.5 4.2 6.4
 203 17.6 13.9 20.9





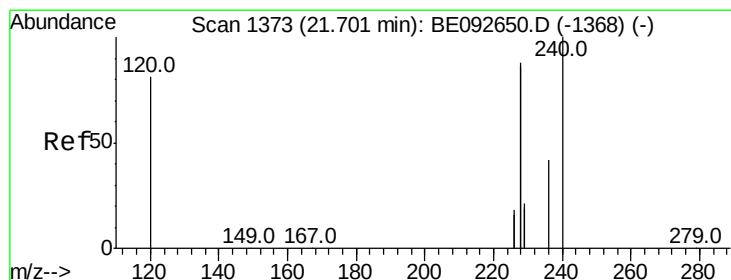
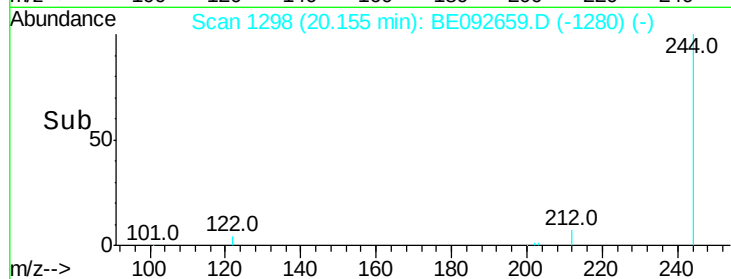
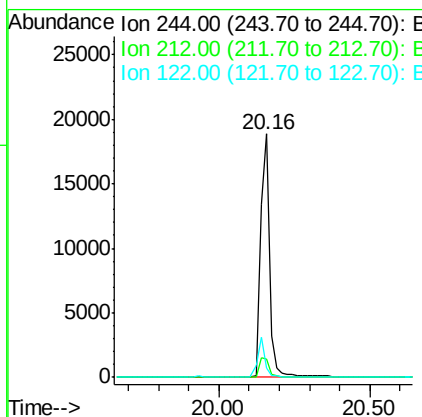
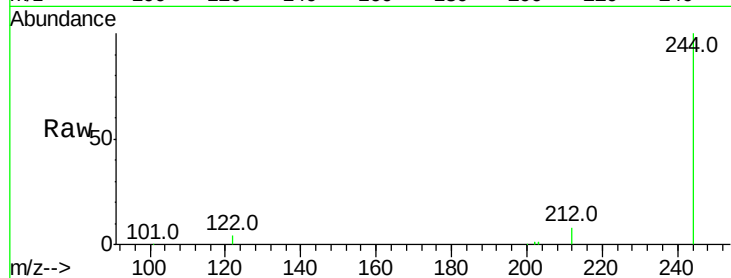
#26
 Terphenyl-d14
 Concen: 4.49 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. -0.00 min
 Lab File: BE092659.D
 Acq: 19 Jan 2017 16:14

Instrument :
 BNA_E
 ClientSampled :
 0048

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.7	10.1
122	3.8	3.6	5.4

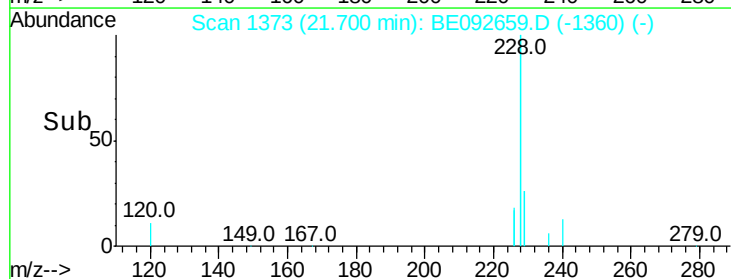
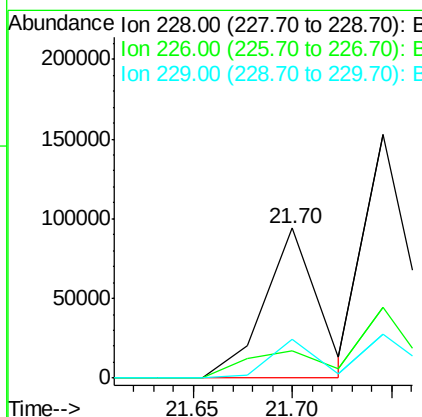
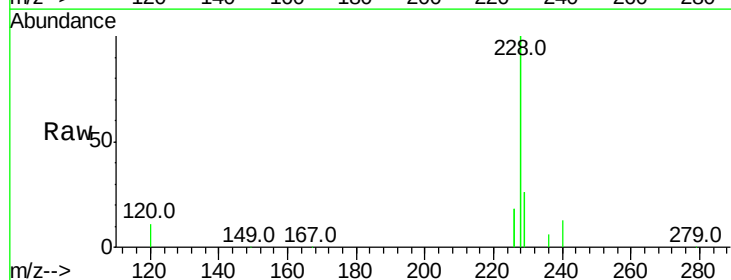
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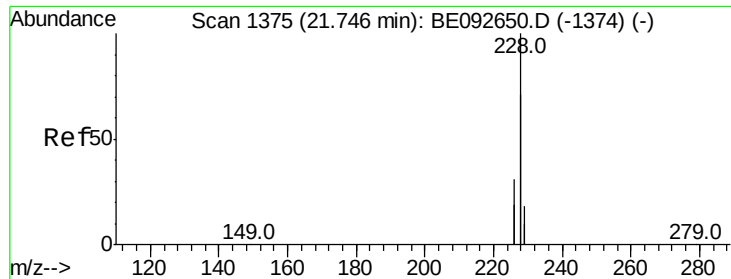
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#27
 Benzo(a)anthracene
 Concen: 2.92 ng m
 RT: 21.70 min Scan# 1373
 Delta R.T. -0.00 min
 Lab File: BE092659.D
 Acq: 19 Jan 2017 16:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	17.8	23.6	35.4#
229	25.9	13.3	19.9#





#28

Chrysene

Concen: 3.90 ng/mL

RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092659.D

Acq: 19 Jan 2017 16:14

Instrument :

BNA_E

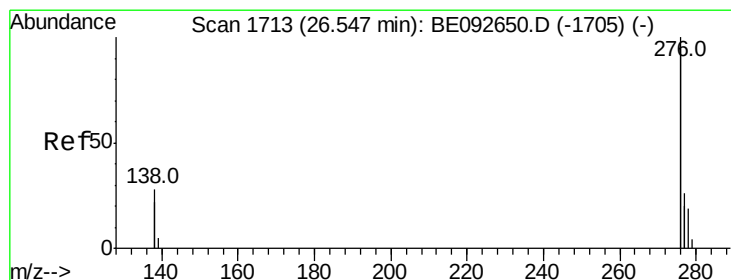
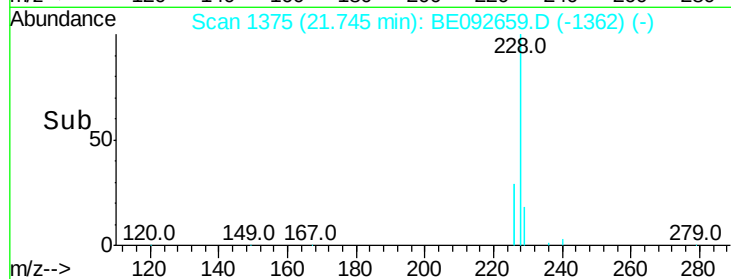
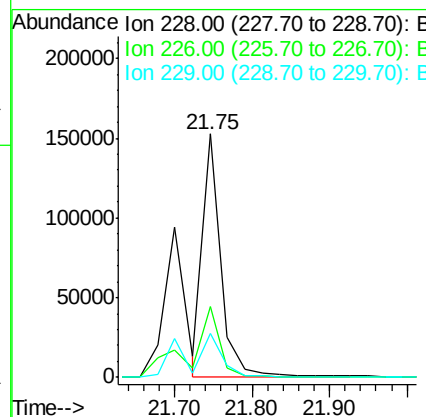
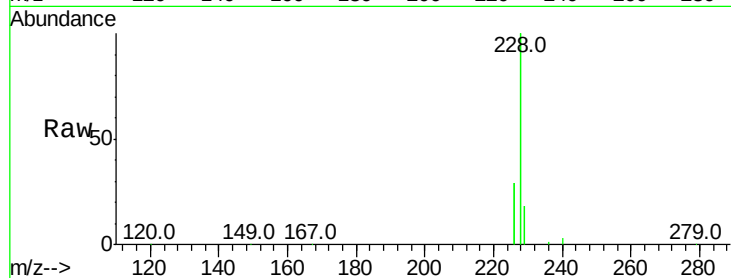
ClientSampleId :

0048

Tot Ion:	228	Resp:	259914
Ion Ratio	Lower	Upper	
228	100		
226	28.9	36.3	54.5#
229	18.2	10.6	16.0#

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#30

Indeno(1,2,3-cd)pyrene

Concen: 3.66 ng/mL

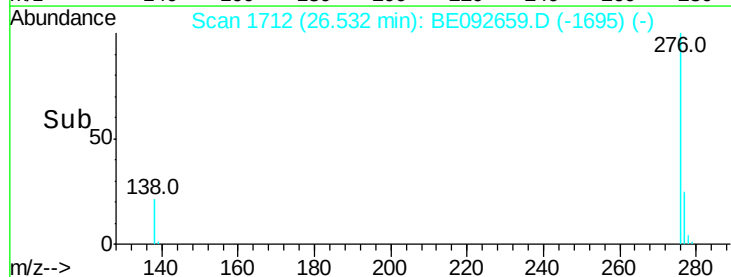
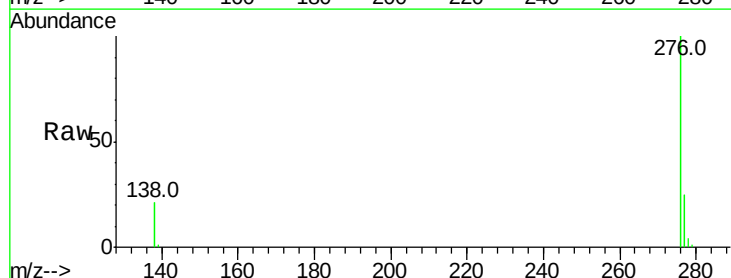
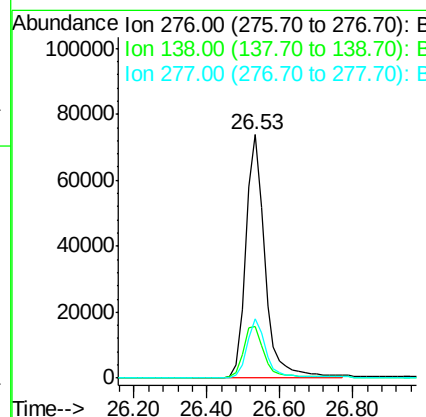
RT: 26.53 min Scan# 1712

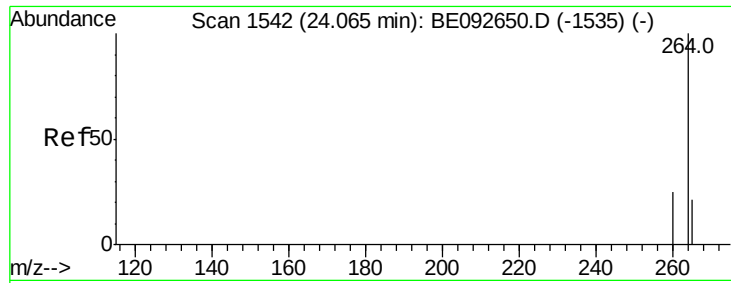
Delta R.T. -0.02 min

Lab File: BE092659.D

Acq: 19 Jan 2017 16:14

Tgt Ion:	276	Resp:	263666
Ion Ratio	Lower	Upper	
276	100		
138	23.1	20.3	30.5
277	24.0	19.7	29.5





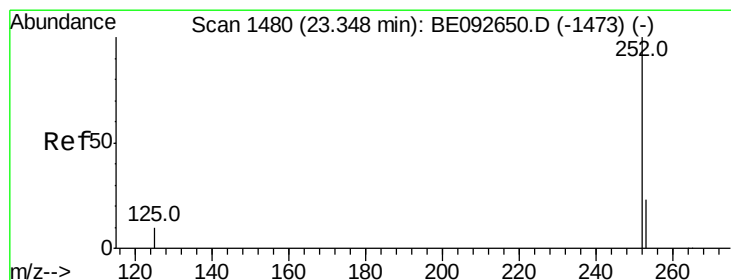
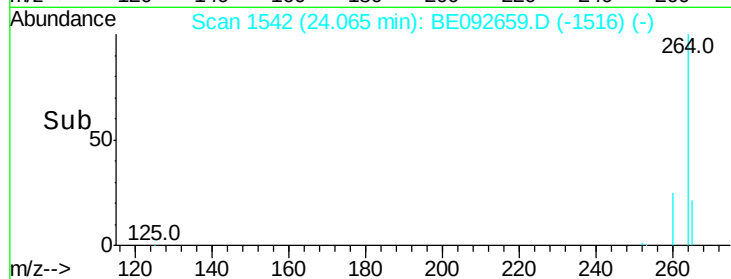
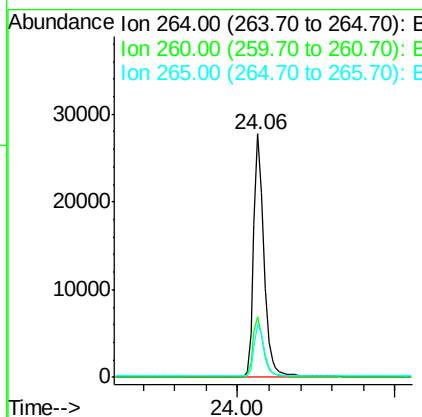
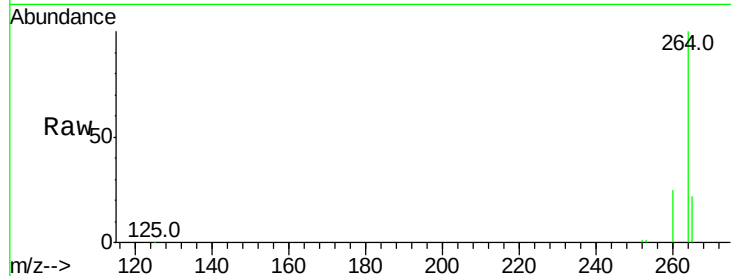
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.06 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BE092659.D
Acq: 19 Jan 2017 16:14

Instrument :
BNA_E
ClientSampleId :
0048

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.1	30.1
265	21.7	17.9	26.9

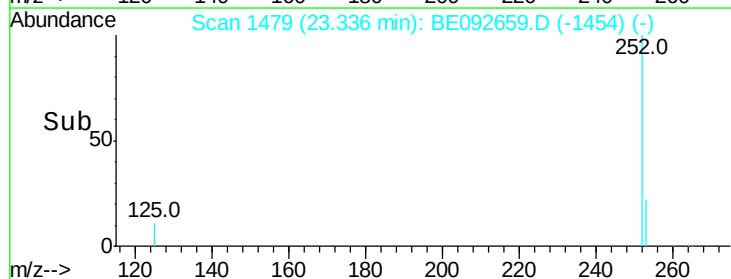
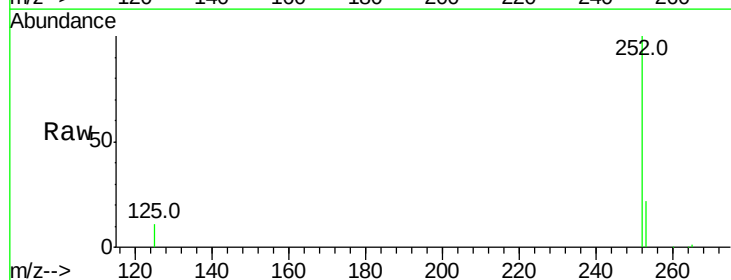
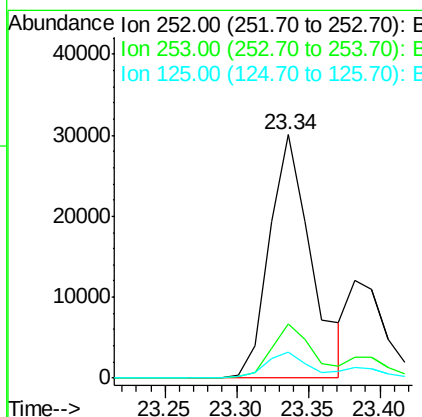
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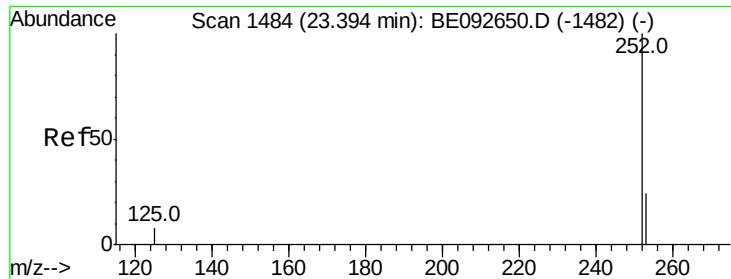
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#32
Benzo(b)fluoranthene
Concen: 3.90 ng
RT: 23.34 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BE092659.D
Acq: 19 Jan 2017 16:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.7	28.1
125	10.7	10.5	15.7





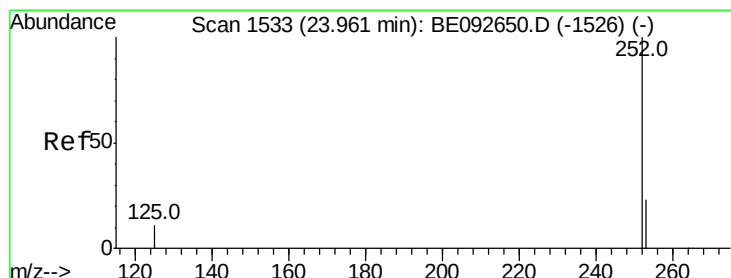
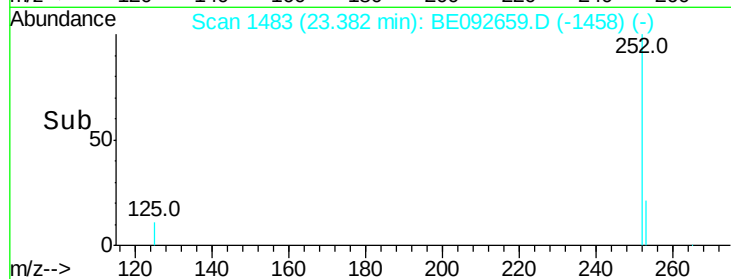
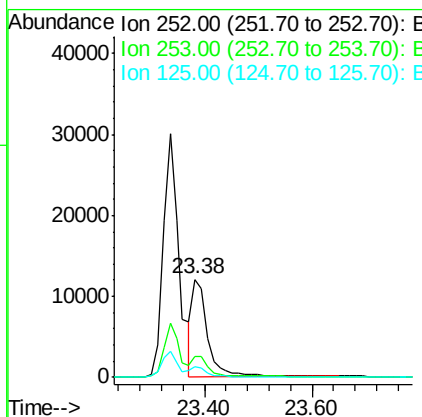
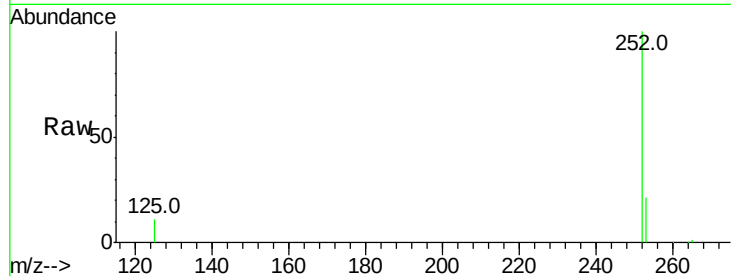
#33
Benzo(k)fluoranthene
Concen: 1.52 ng
RT: 23.38 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE092659.D
Acq: 19 Jan 2017 16:14

Instrument :
BNA_E
ClientSampleId :
0048

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	20.3	30.5
125	11.4	9.6	14.4

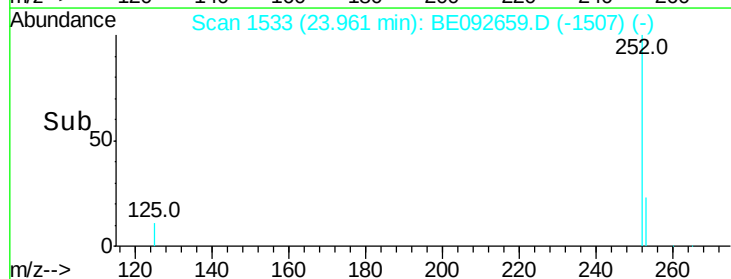
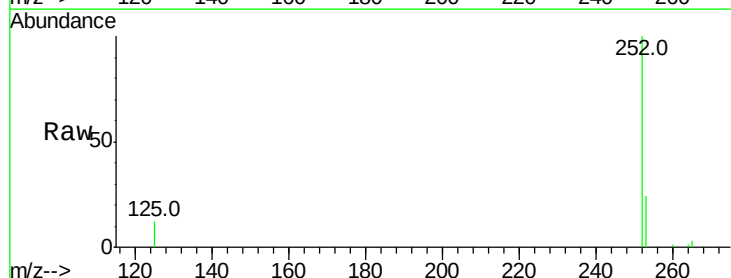
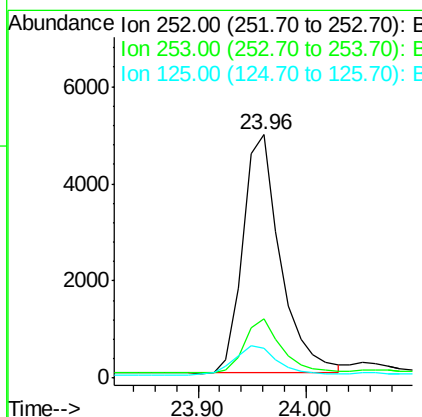
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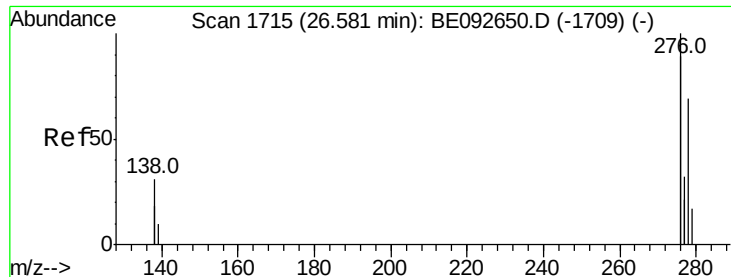
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#34
Benzo(a)pyrene
Concen: 0.83 ng
RT: 23.96 min Scan# 1533
Delta R.T. -0.00 min
Lab File: BE092659.D
Acq: 19 Jan 2017 16:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.0	28.6
125	12.3	11.8	17.8





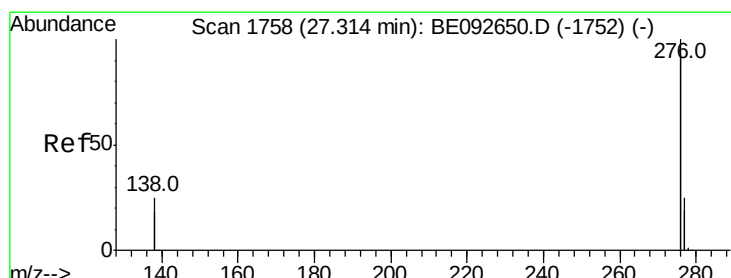
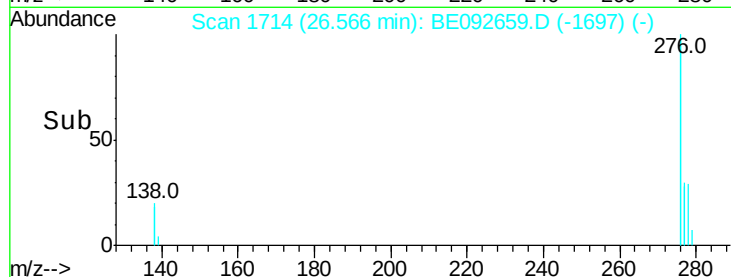
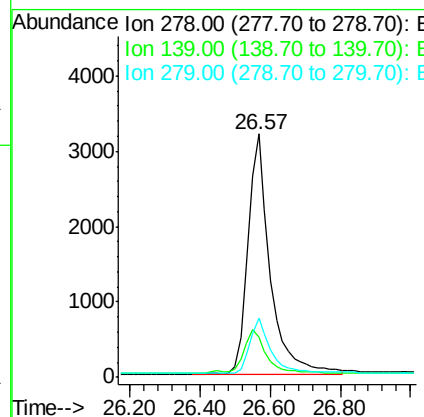
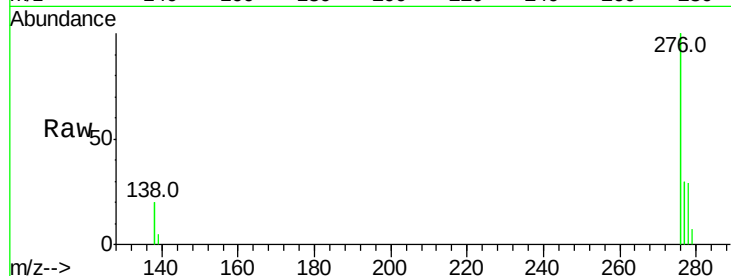
#35
 Dibenzo(a,h)anthracene
 Concen: 0.98 ng
 RT: 26.57 min Scan# 1714
 Delta R.T. -0.02 min
 Lab File: BE092659.D
 Acq: 19 Jan 2017 16:14

Instrument :
 BNA_E
 ClientSampleId :
 0048

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	13.8	20.8
279	24.4	21.4	32.2

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#36
 Benzo(g,h,i)perylene
 Concen: 1.75 ng
 RT: 27.30 min Scan# 1757
 Delta R.T. -0.02 min
 Lab File: BE092659.D
 Acq: 19 Jan 2017 16:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.8	29.8
138	23.7	19.8	29.6

