

Data Path : Z:\HPCHEM1\BNA E\DATA\BE011917\
 Data File : BE092666.D
 Acq On : 19 Jan 2017 20:42
 Operator : UM/SJ
 Sample : I1305-30DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 0048DL

Manual Integrations
 APPROVED

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Quant Time: Jan 20 02:15:26 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	8828	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	39898	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	27592	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	65977	5.00	ng	0.00
24) Chrysene-d12	21.72	240	70763	5.00	ng	0.00
31) Perylene-d12	24.07	264	78763	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.65	112	2876	1.46	ng	0.00
5) Phenol-d6	7.33	99	2949	1.22	ng	0.00
8) Nitrobenzene-d5	9.38	82	1533m	0.59	ng	0.05
13) 2,4,6-Tribromophenol	16.33	330	885	1.20	ng	0.03
14) 2-Fluorobiphenyl	13.43	172	4881	0.72	ng	0.01
26) Terphenyl-d14	20.16	244	8267	0.83	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.97	128	9632	1.16	ng	97
15) Acenaphthylene	14.49	152	116232	3.06	ng	100
16) Acenaphthene	14.85	154	7327	1.20	ng	92
17) Fluorene	15.87	166	2403	0.31	ng	99
21) Phenanthrene	17.58	178	6546	0.45	ng	95
22) Anthracene	17.69	178	8466	0.63	ng	99
23) Fluoranthene	19.59	202	7739	0.12	ng	99
25) Pyrene	19.95	202	16036	0.23	ng	100
27) Benzo(a)anthracene	21.70	228	38114m	0.55	ng	
28) Chrysene	21.75	228	55135m	0.70	ng	
30) Indeno(1,2,3-cd)pyrene	26.55	276	45568	0.54	ng	96
32) Benzo(b)fluoranthene	23.34	252	11270	0.59	ng	97
33) Benzo(k)fluoranthene	23.38	252	5171m	0.27	ng	
34) Benzo(a)pyrene	23.96	252	2383	0.13	ng	# 87
35) Dibenzo(a,h)anthracene	26.58	278	2415	0.14	ng	# 84
36) Benzo(g,h,i)perylene	27.31	276	18607	0.25	ng	95

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

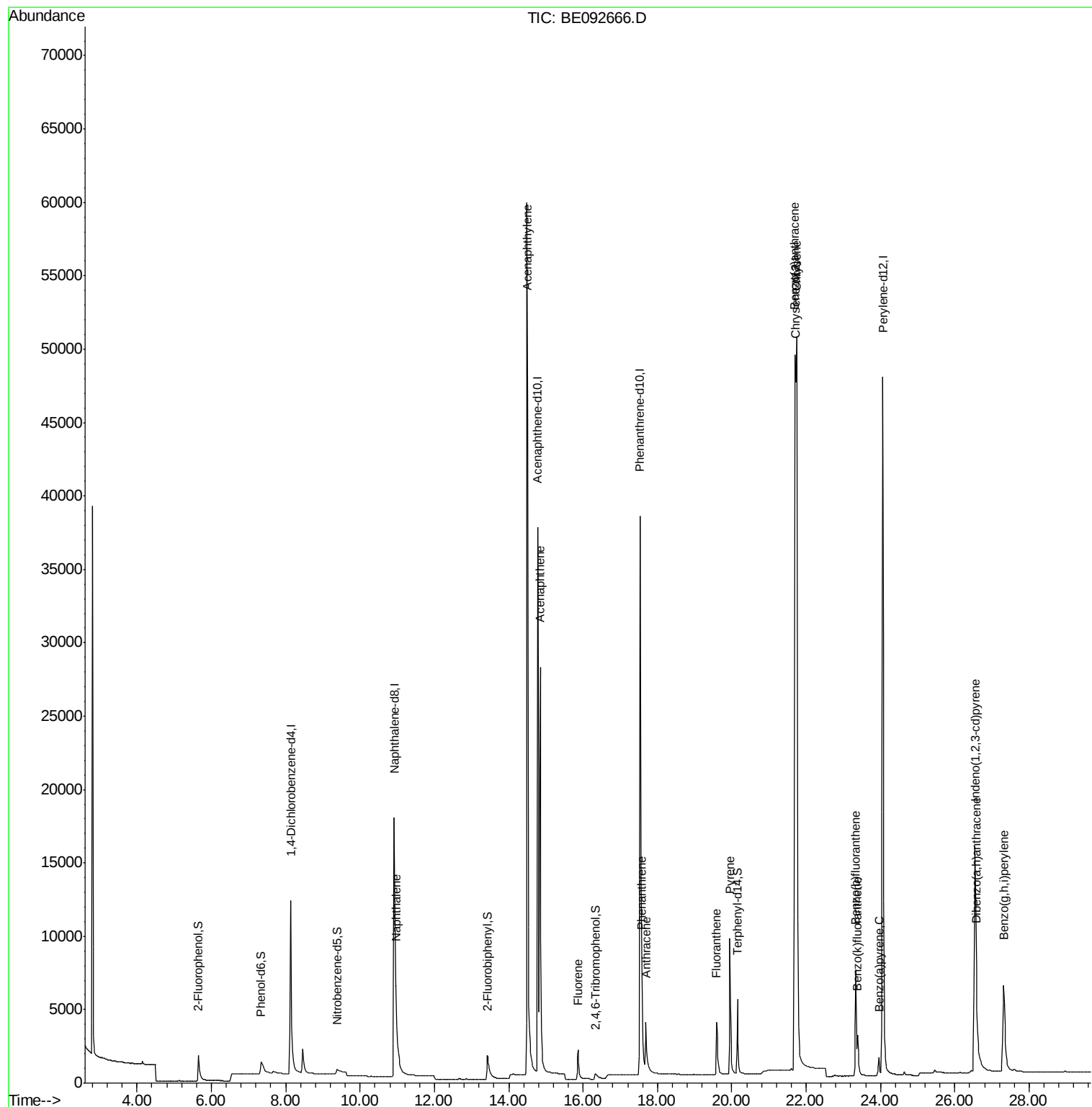
Data Path : Z:\HPCHEM1\BNA E\DATA\BE011917\
Data File : BE092666.D
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Sample : I1305-30DL 5X
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ALS Vial : 10 Sample Multiplier: 1

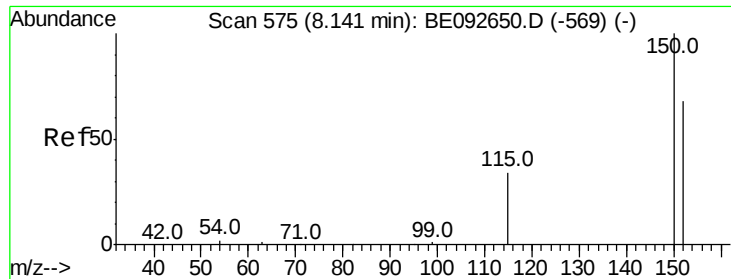
Instrument :
BNA_E
ClientSampleId :
0048DL

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Quant Time: Jan 20 02:15:26 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
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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: BE092666.D

Acq: 19 Jan 2017 20:42

Instrument :

BNA_E

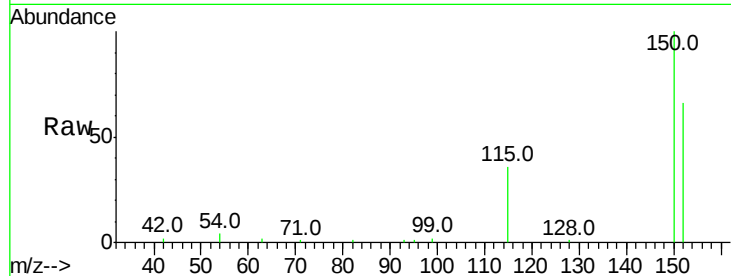
ClientSampled :

0048DL

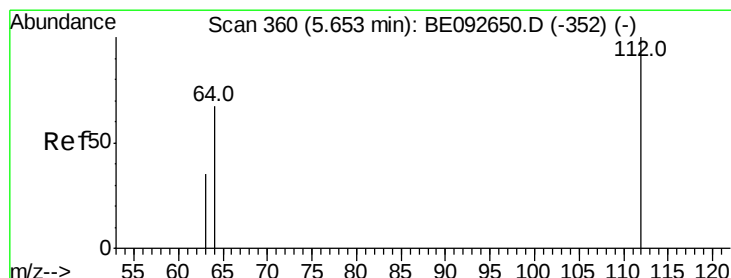
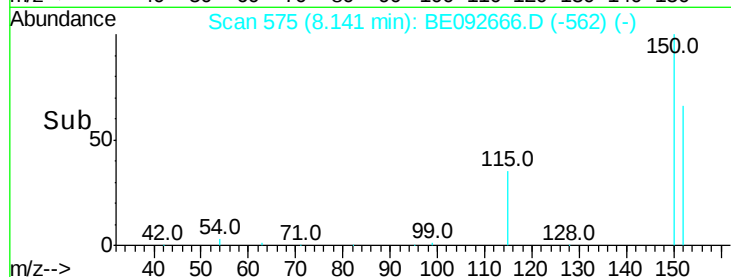
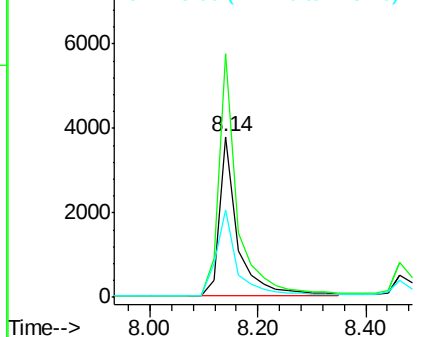
Tot Ion:	152	Resp:	8828
Ion Ratio	Lower	Upper	
152	100		
150	151.5	106.0	159.0
115	54.5	31.2	46.8#

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol

Concen: 1.46 ng

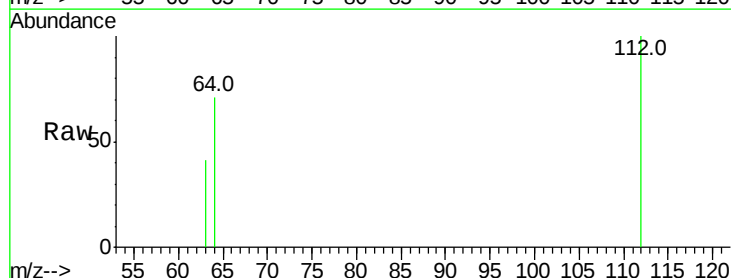
RT: 5.65 min Scan# 360

Delta R.T. -0.00 min

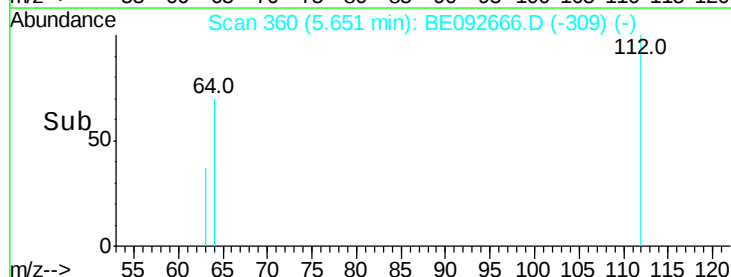
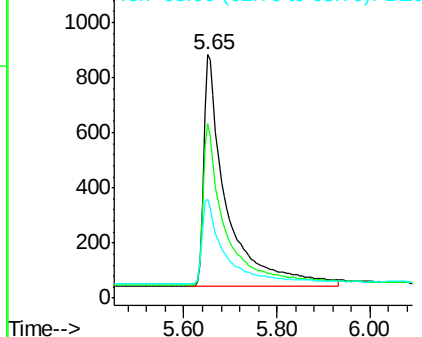
Lab File: BE092666.D

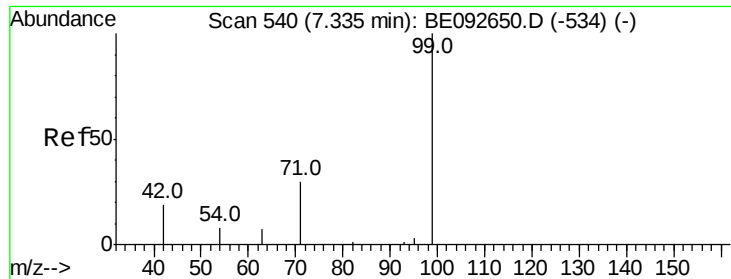
Acq: 19 Jan 2017 20:42

Tgt Ion:	112	Resp:	2876
Ion Ratio	Lower	Upper	
112	100		
64	68.8	53.5	80.3
63	36.6	27.9	41.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.22 ng

RT: 7.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: BE092666.D

Acq: 19 Jan 2017 20:42

Instrument :

BNA_E

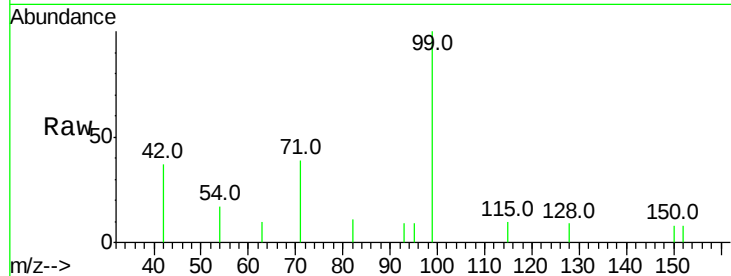
ClientSampleId :

0048DL

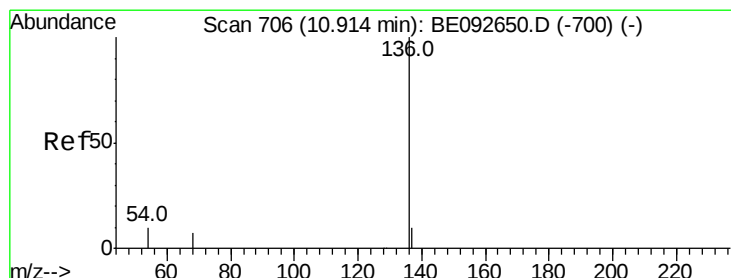
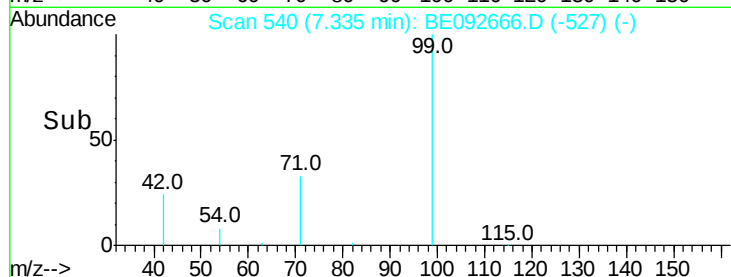
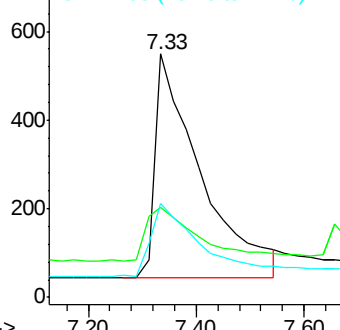
Tot Ion:	99	Resp:	2949
Ion	Ratio	Lower	Upper
99	100		
42	27.7	16.0	24.0#
71	35.6	30.6	45.8

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

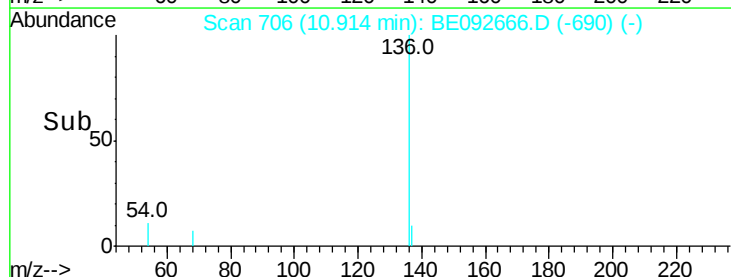
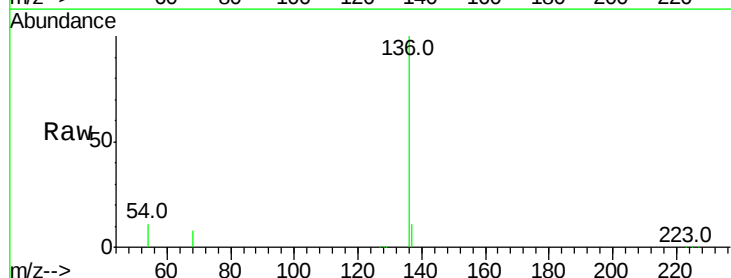
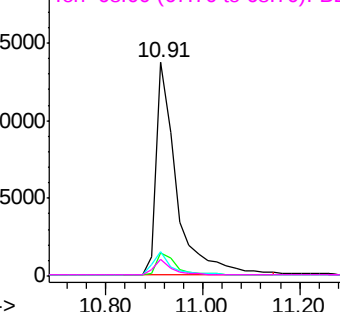
Delta R.T. 0.00 min

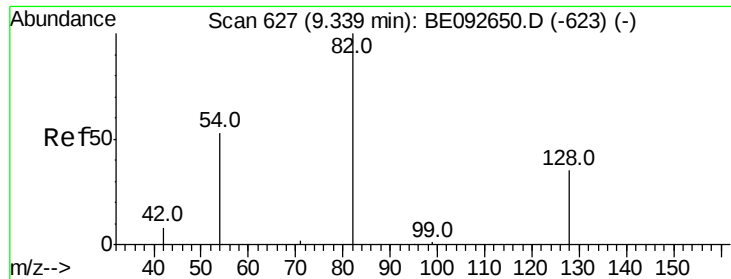
Lab File: BE092666.D

Acq: 19 Jan 2017 20:42

Tgt Ion:	136	Resp:	39898
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	11.3	9.6	14.4
68	7.6	6.7	10.1

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 0.59 ng/mL

RT: 9.38 min Scan# 629

Delta R.T. 0.05 min

Lab File: BE092666.D

Acq: 19 Jan 2017 20:42

Instrument :

BNA_E

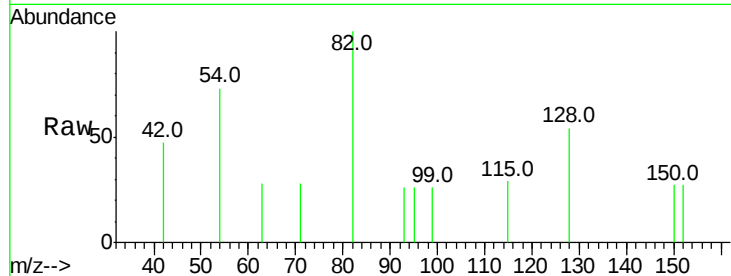
ClientSampleID :

0048DL

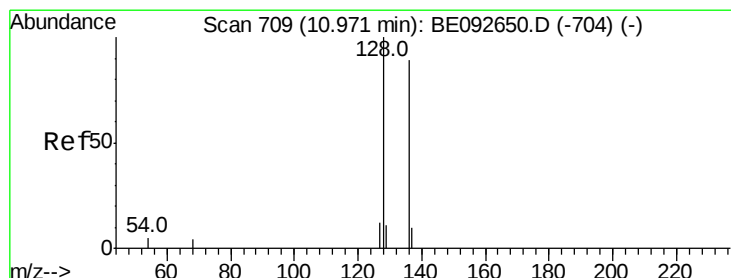
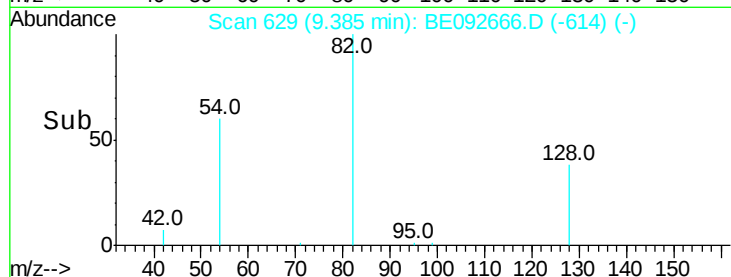
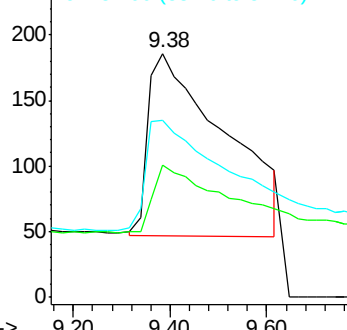
Tot Ion:	82	Resp:	1533
Ion Ratio	Lower	Upper	
82	100		
128	54.3	39.0	58.4
54	72.6	44.8	67.2

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Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): BE0
Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 1.16 ng

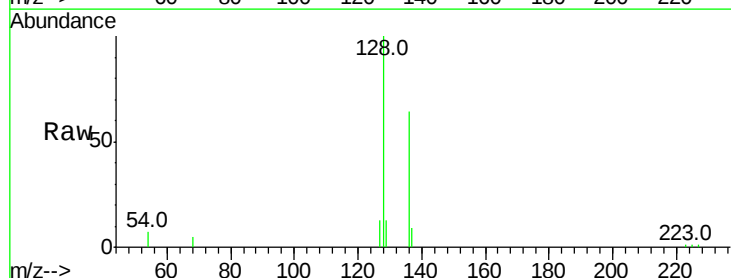
RT: 10.97 min Scan# 709

Delta R.T. 0.00 min

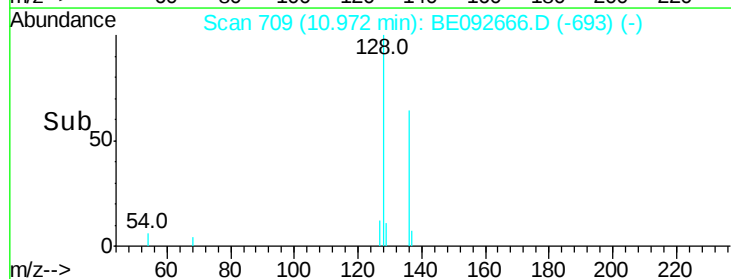
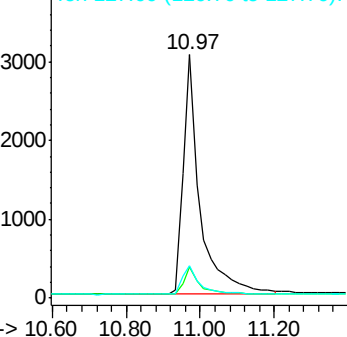
Lab File: BE092666.D

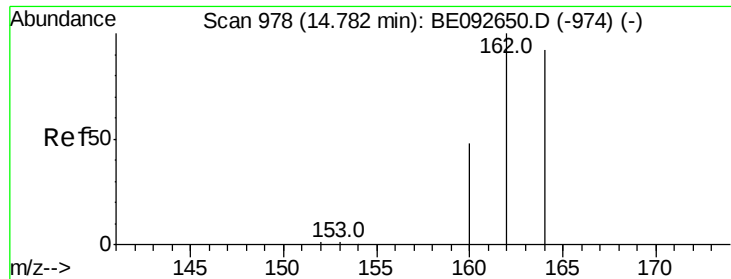
Acq: 19 Jan 2017 20:42

Tgt Ion:	128	Resp:	9632
Ion Ratio	Lower	Upper	
128	100		
129	12.7	11.2	16.8
127	13.4	11.6	17.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.78 min Scan# 978

Delta R.T. -0.00 min

Lab File: BE092666.D

Acq: 19 Jan 2017 20:42

Instrument :

BNA_E

ClientSampleId :

0048DL

Tot Ion:164 Resp: 27592

Ion Ratio Lower Upper

164 100

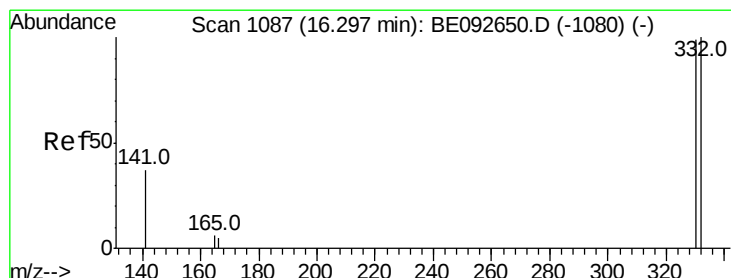
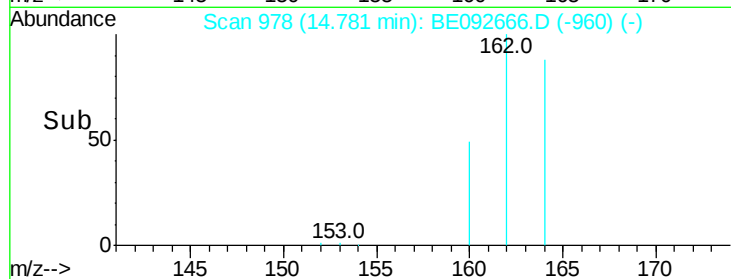
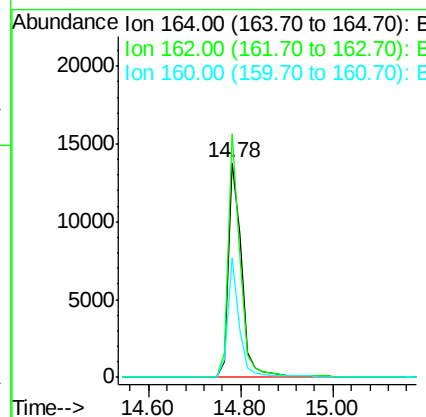
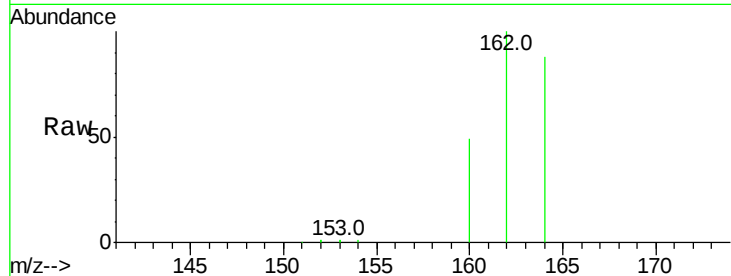
162 113.5 71.4 107.0#

160 55.7 27.4 41.2#

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#13

2,4,6-Tribromophenol

Concen: 1.20 ng

RT: 16.33 min Scan# 1090

Delta R.T. 0.03 min

Lab File: BE092666.D

Acq: 19 Jan 2017 20:42

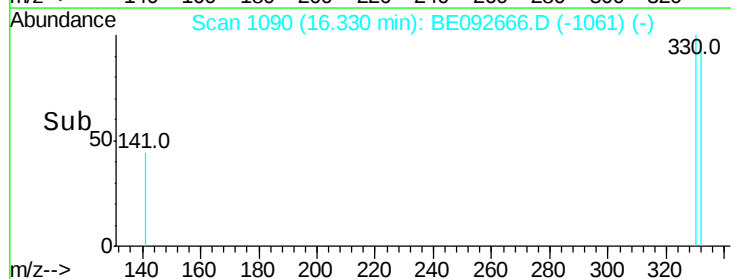
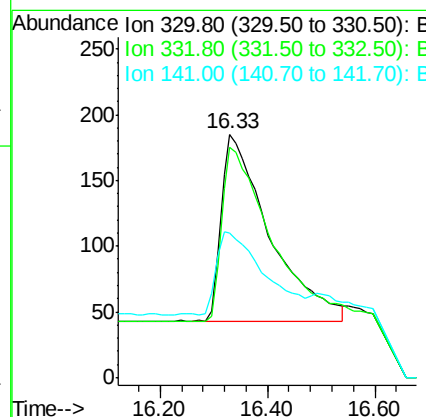
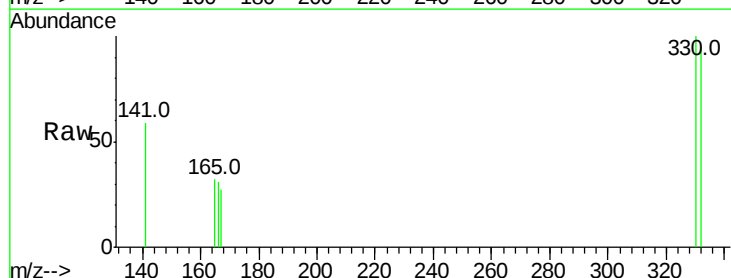
Tgt Ion:330 Resp: 885

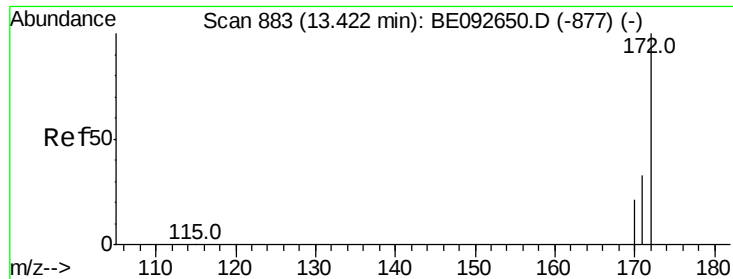
Ion Ratio Lower Upper

330 100

332 96.4 75.4 113.0

141 43.5 31.0 46.6





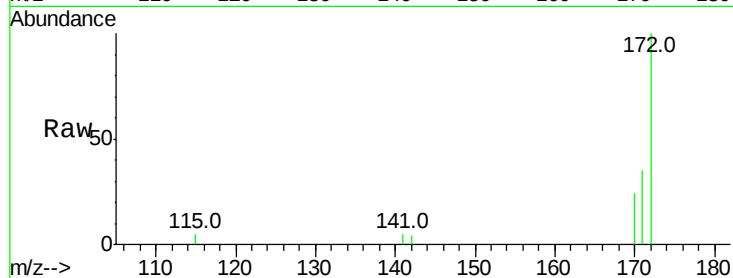
#14
2-Fluorobiphenyl
Concen: 0.72 ng
RT: 13.43 min Scan# 884
Delta R.T. 0.01 min
Lab File: BE092666.D
Acq: 19 Jan 2017 20:42

Instrument :
BNA_E
ClientSampleID :
0048DL

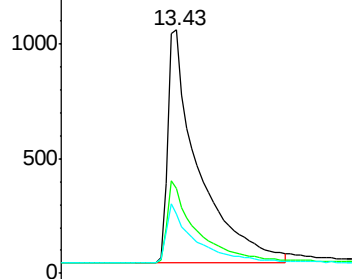
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.1	45.1
170	24.5	21.8	32.6

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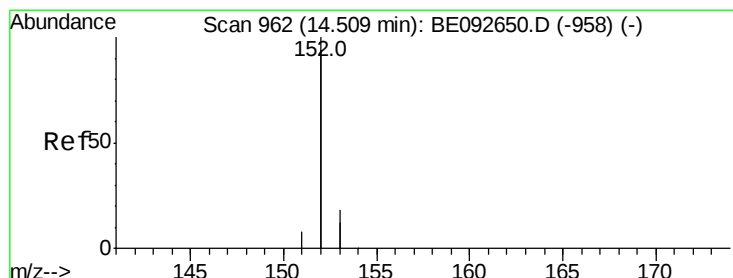
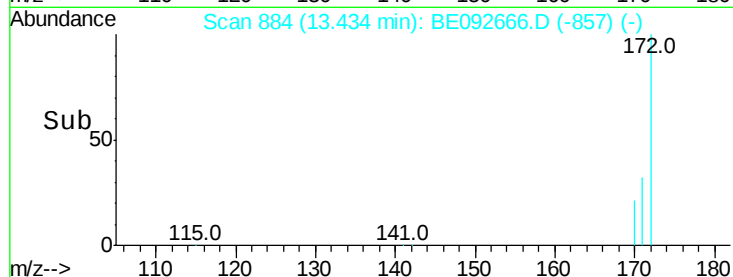
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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



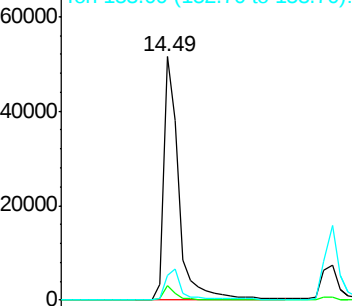
Time-->



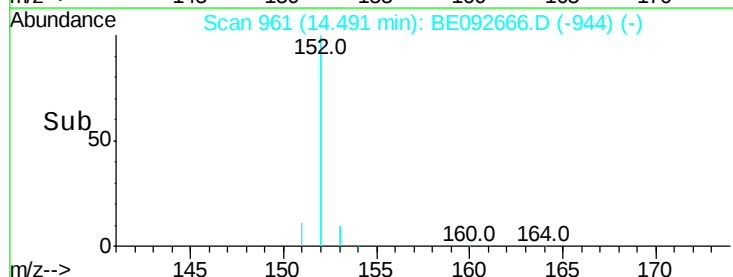
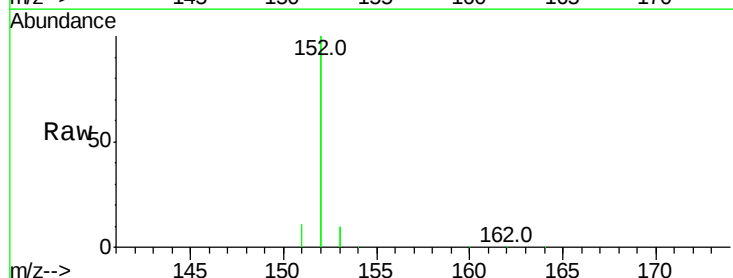
#15
Acenaphthylene
Concen: 3.06 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.02 min
Lab File: BE092666.D
Acq: 19 Jan 2017 20:42

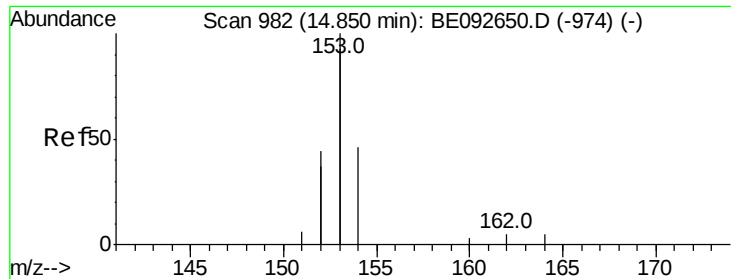
Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.0	10.4	15.6

Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->





#16

Acenaphthene

Concen: 1.20 ng

RT: 14.85 min Scan# 982

Delta R.T. -0.00 min

Lab File: BE092666.D

Acq: 19 Jan 2017 20:42

Instrument :

BNA_E

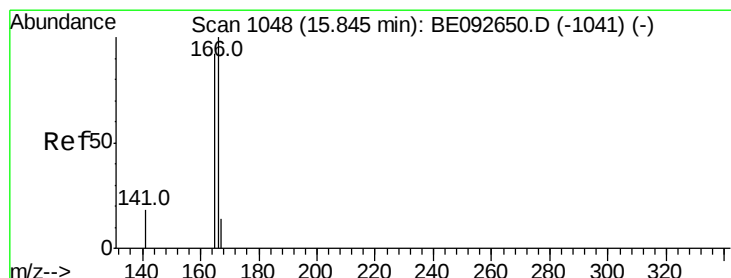
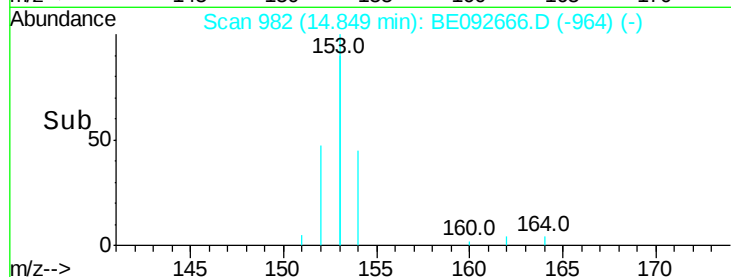
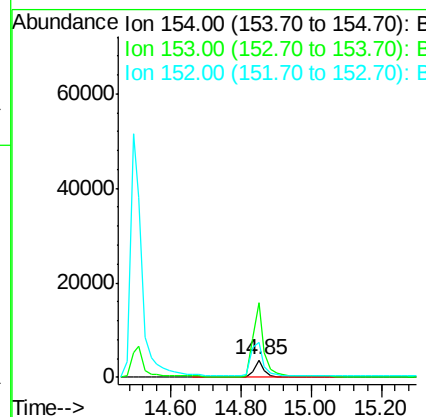
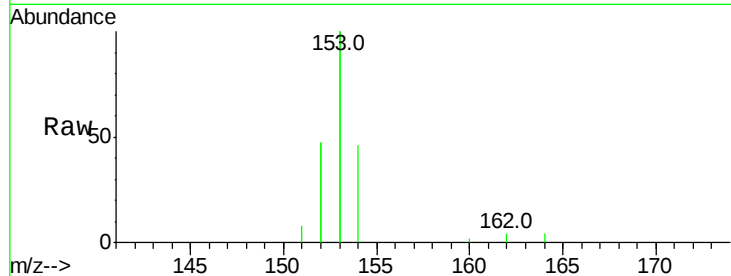
ClientSampleId :

0048DL

Tot Ion:	154	Resp:	7327
Ion	Ratio	Lower	Upper
154	100		
153	448.5	350.8	526.2
152	239.6	171.1	256.7

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#17

Fluorene

Concen: 0.31 ng

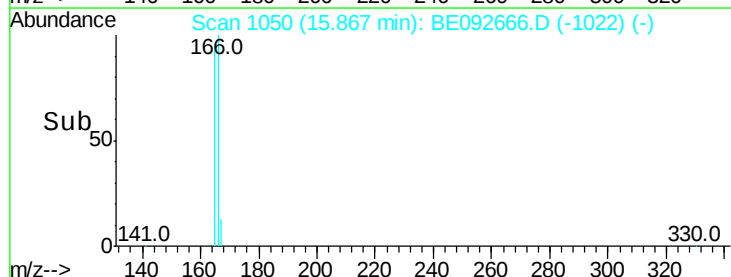
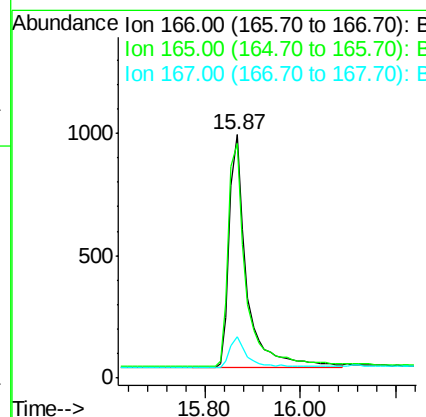
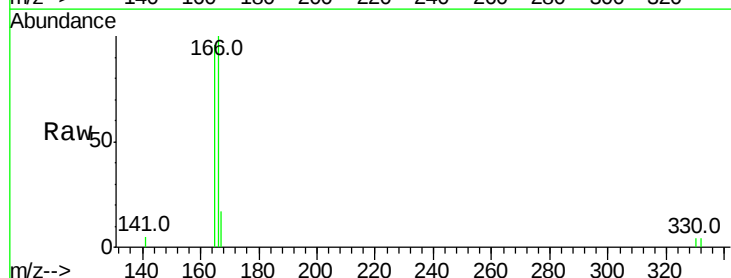
RT: 15.87 min Scan# 1050

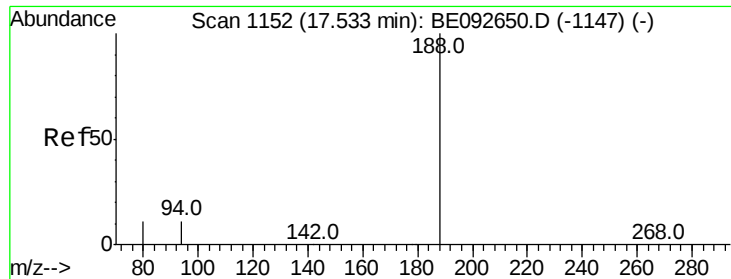
Delta R.T. 0.02 min

Lab File: BE092666.D

Acq: 19 Jan 2017 20:42

Tgt Ion:	166	Resp:	2403
Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.2	117.4
167	13.0	11.0	16.4





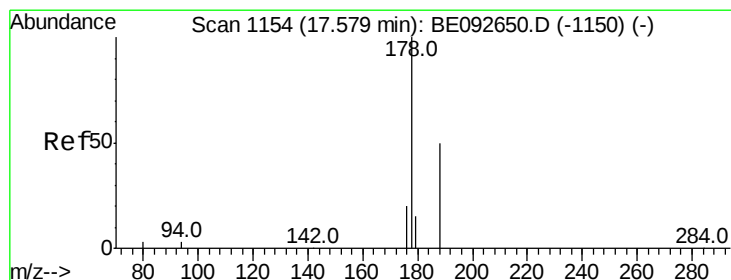
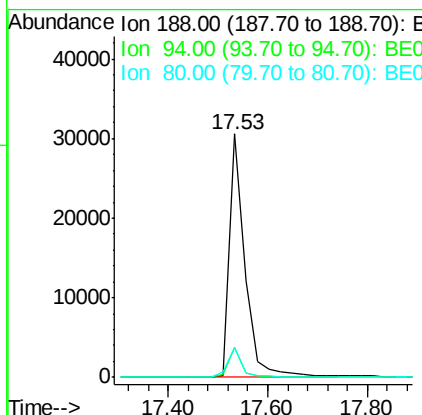
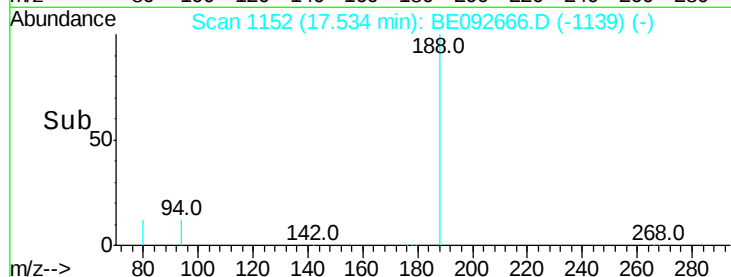
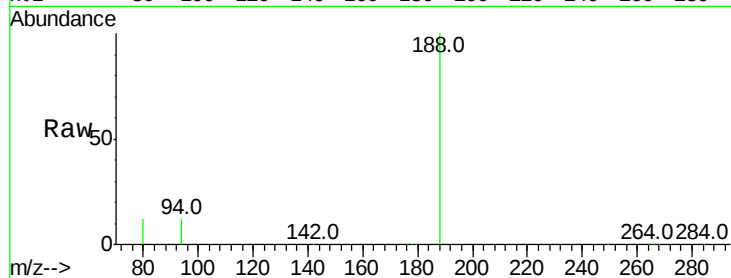
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE092666.D
Acq: 19 Jan 2017 20:42

Instrument :
BNA_E
ClientSampleId :
0048DL

Tot Ion	Ratio	Lower	Upper
188	100		
94	12.1	3.2	4.8#
80	12.4	2.6	3.8#

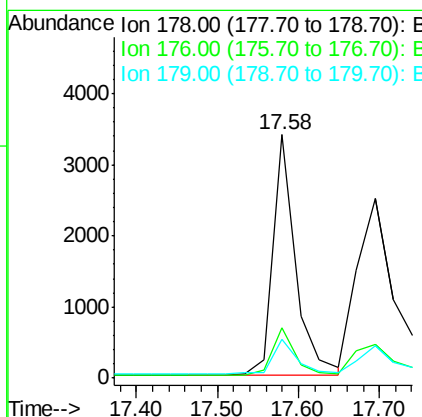
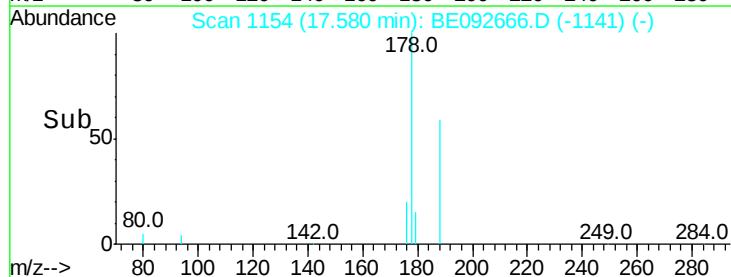
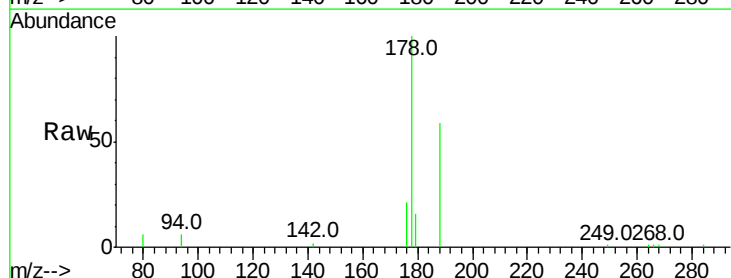
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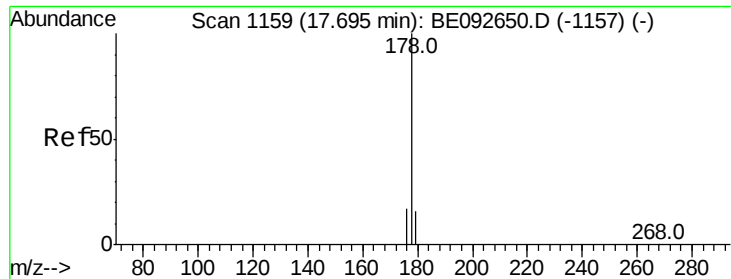
mohammad
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#21
Phenanthrene
Concen: 0.45 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092666.D
Acq: 19 Jan 2017 20:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	16.0	16.0	24.0





#22

Anthracene

Concen: 0.63 ng

RT: 17.69 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BE092666.D

Acq: 19 Jan 2017 20:42

Instrument :

BNA_E

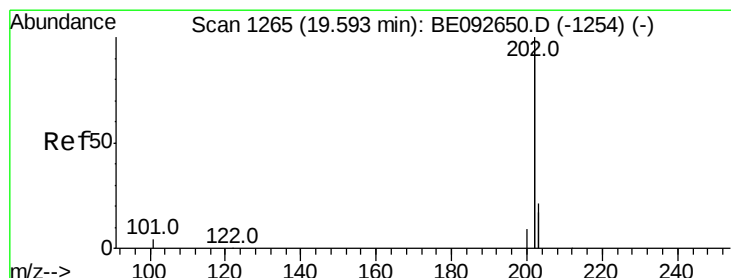
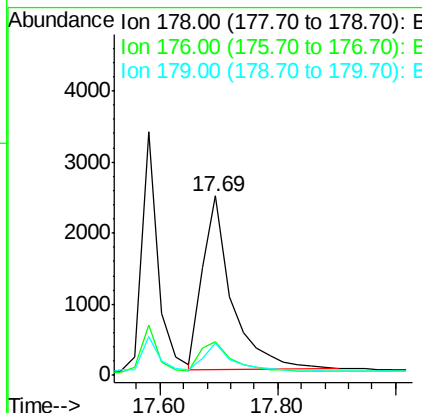
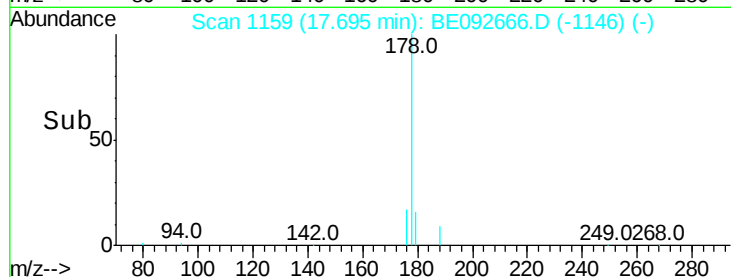
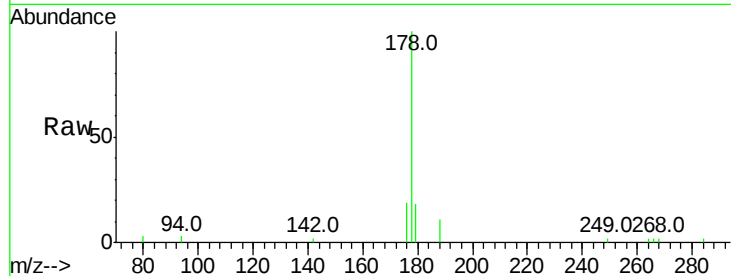
ClientSampleId :

0048DL

Tot Ion:	178	Resp:	8466
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.0	22.4
179	15.6	12.2	18.2

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#23

Fluoranthene

Concen: 0.12 ng

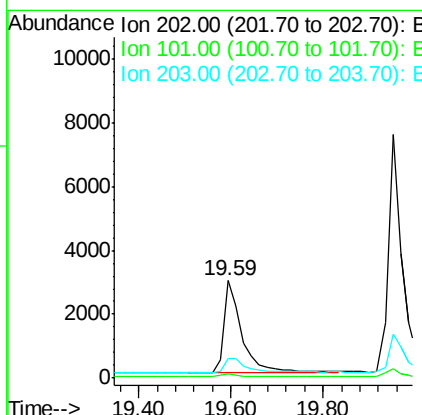
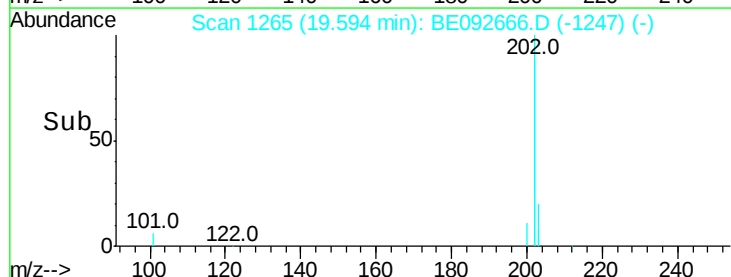
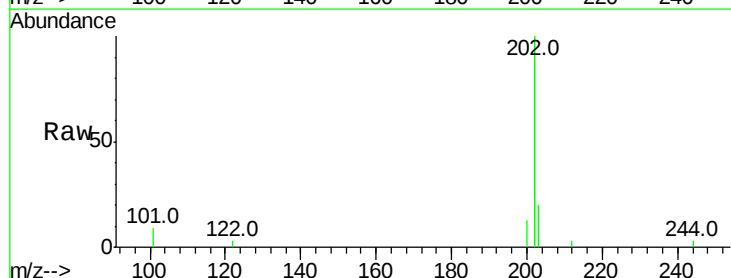
RT: 19.59 min Scan# 1265

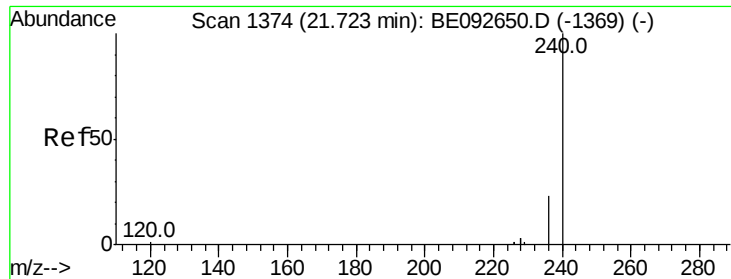
Delta R.T. 0.00 min

Lab File: BE092666.D

Acq: 19 Jan 2017 20:42

Tgt Ion:	202	Resp:	7739
Ion Ratio	Lower	Upper	
202	100		
101	3.0	2.2	3.4
203	17.7	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: BE092666.D

Acq: 19 Jan 2017 20:42

Instrument :

BNA_E

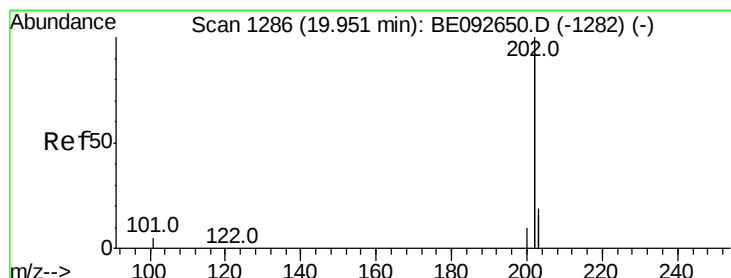
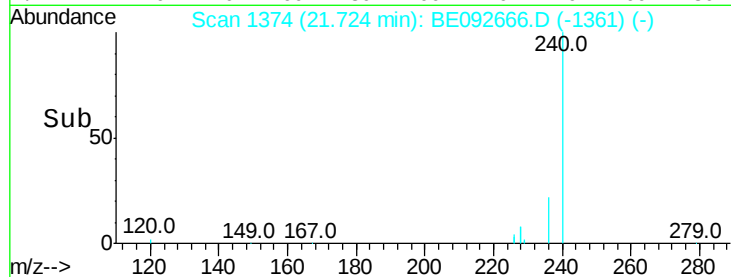
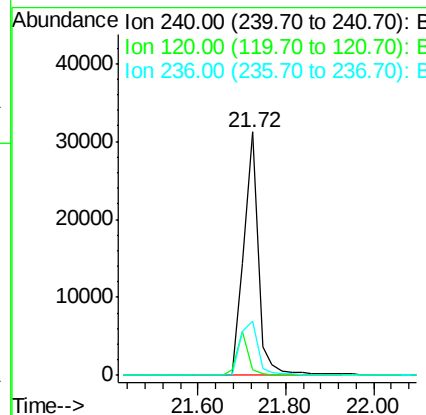
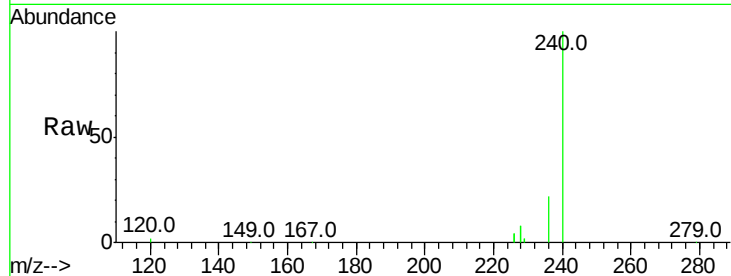
ClientSampleId :

0048DL

Tot Ion:240 Resp: 70763
 Ion Ratio Lower Upper
 240 100
 120 2.1 2.6 4.0#
 236 22.2 24.6 37.0#

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#25

Pyrene

Concen: 0.23 ng

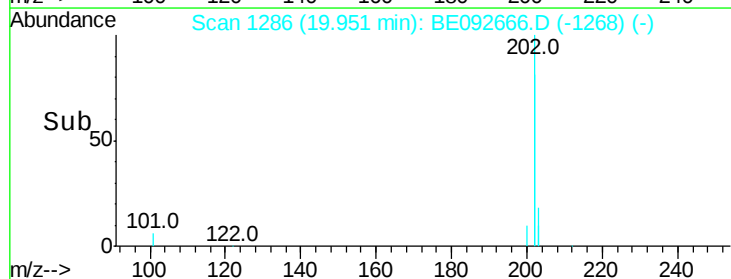
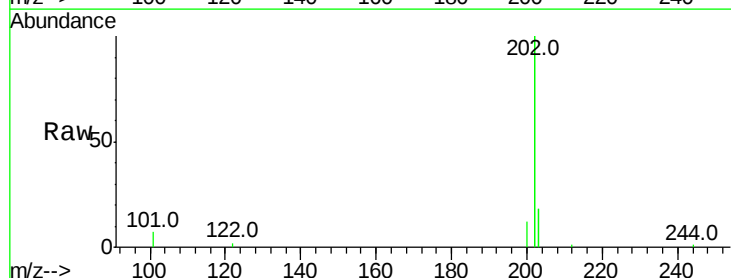
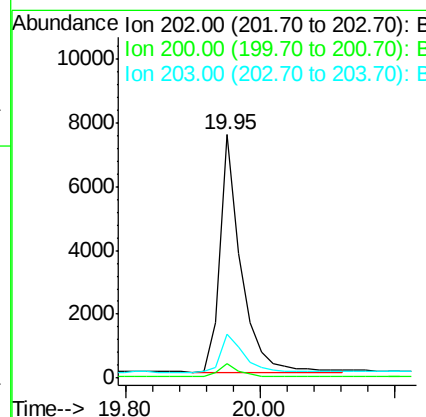
RT: 19.95 min Scan# 1286

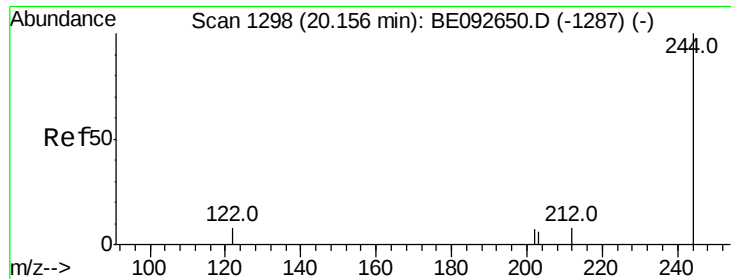
Delta R.T. 0.00 min

Lab File: BE092666.D

Acq: 19 Jan 2017 20:42

Tgt Ion:202 Resp: 16036
 Ion Ratio Lower Upper
 202 100
 200 5.3 4.2 6.4
 203 17.5 13.9 20.9





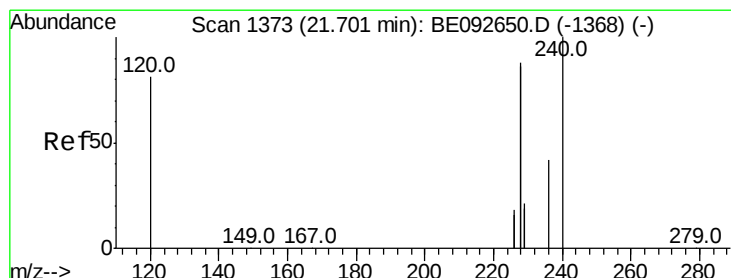
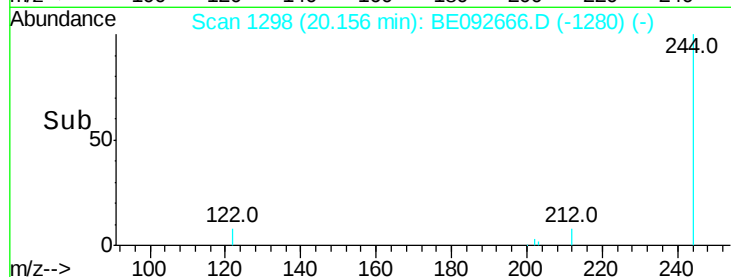
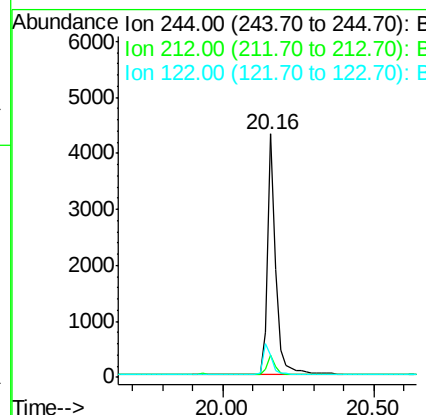
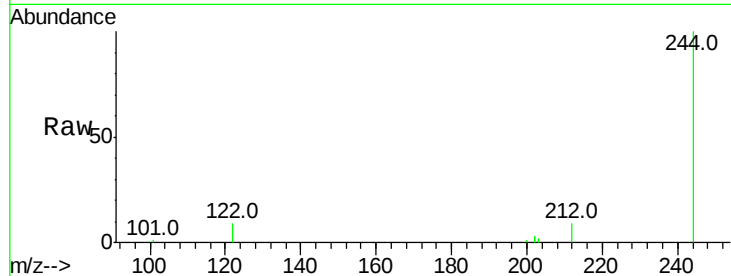
#26
 Terphenyl-d14
 Concen: 0.83 ng
 RT: 20.16 min Scan# 1298
 Delta R.T. 0.00 min
 Lab File: BE092666.D
 Acq: 19 Jan 2017 20:42

Instrument :
 BNA_E
 ClientSampleId :
 0048DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.1	6.7	10.1
122	8.9	3.6	5.4

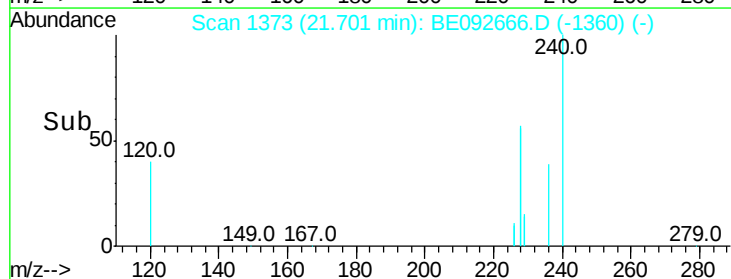
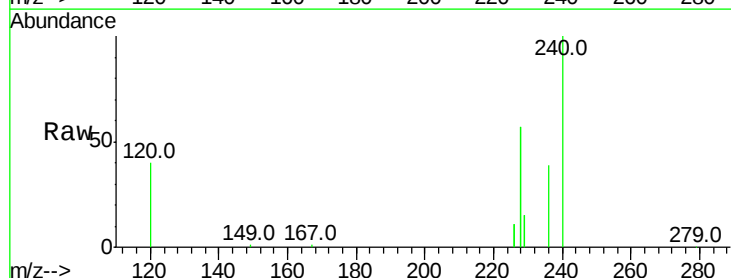
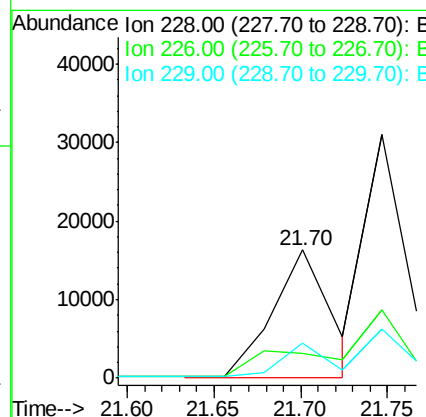
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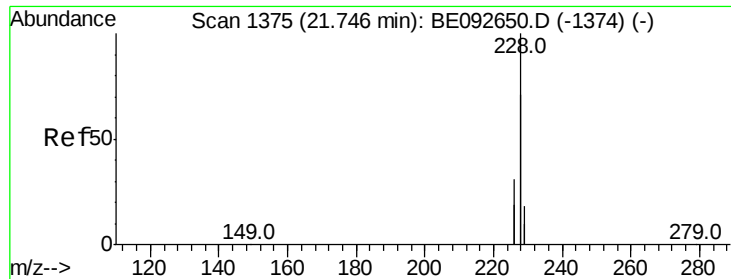
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#27
 Benzo(a)anthracene
 Concen: 0.55 ng m
 RT: 21.70 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BE092666.D
 Acq: 19 Jan 2017 20:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	18.9	23.6	35.4
229	26.9	13.3	19.9





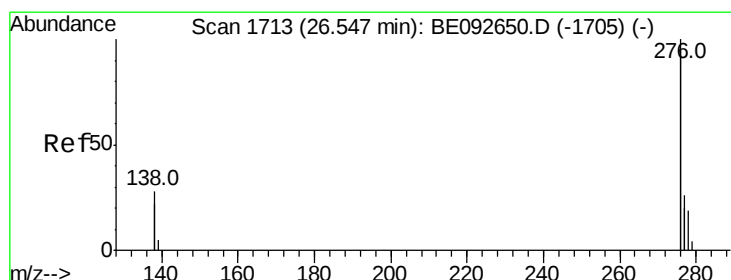
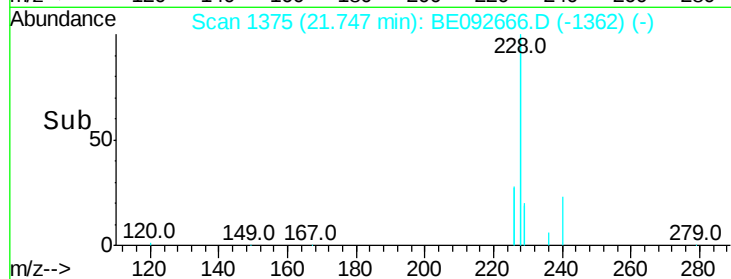
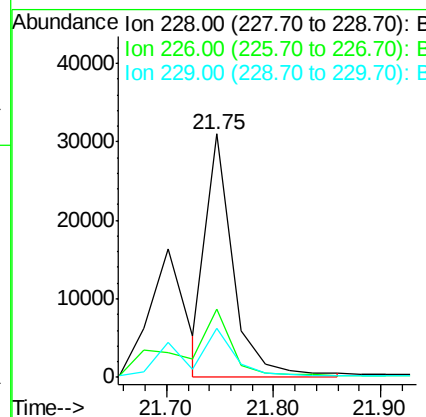
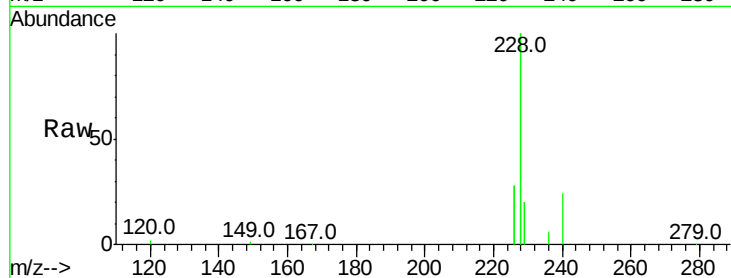
#28
 Chrysene
 Concen: 0.70 ng/ml
 RT: 21.75 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: BE092666.D
 Acq: 19 Jan 2017 20:42

Instrument :
 BNA_E
 ClientSampleID :
 0048DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	36.3	54.5#
229	20.0	10.6	16.0#

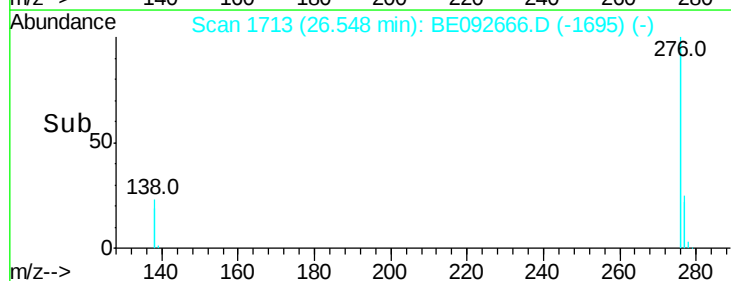
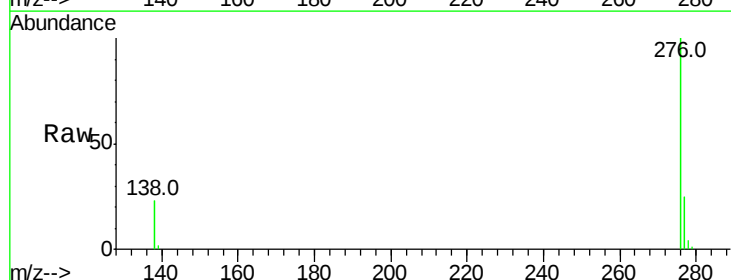
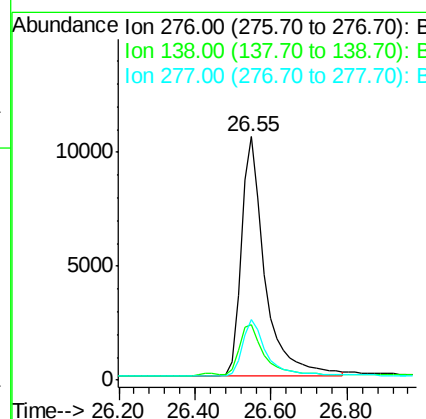
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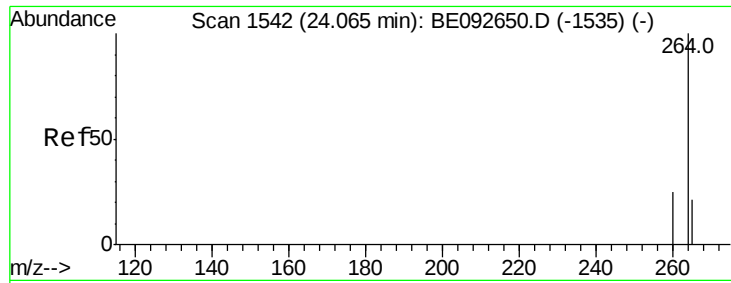
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#30
 Indeno(1,2,3-cd)pyrene
 Concen: 0.54 ng/ml
 RT: 26.55 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BE092666.D
 Acq: 19 Jan 2017 20:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.3	30.5
277	23.9	19.7	29.5





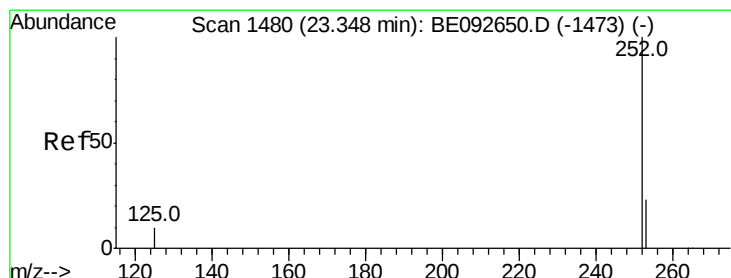
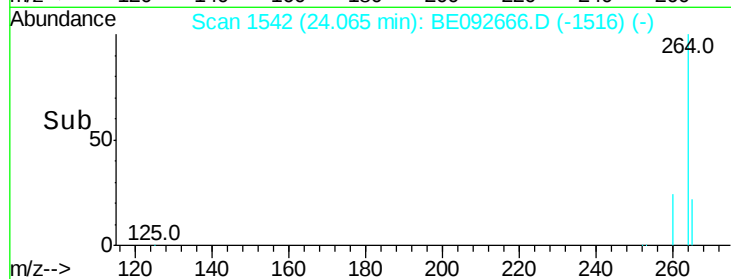
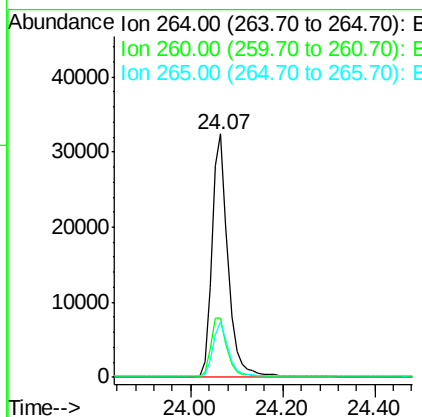
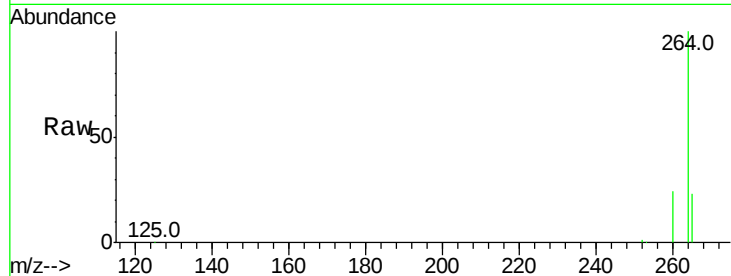
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.07 min Scan# 1542
Delta R.T. 0.00 min
Lab File: BE092666.D
Acq: 19 Jan 2017 20:42

Instrument :
BNA_E
ClientSampleId :
0048DL

Tot Ion:264 Resp: 78763
Ion Ratio Lower Upper
264 100
260 24.4 20.1 30.1
265 22.5 17.9 26.9

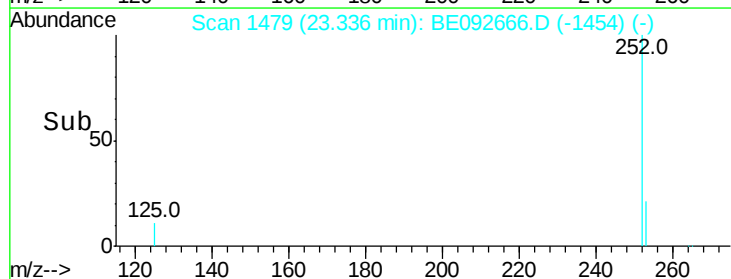
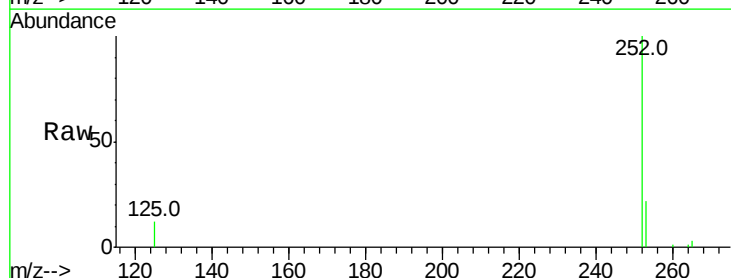
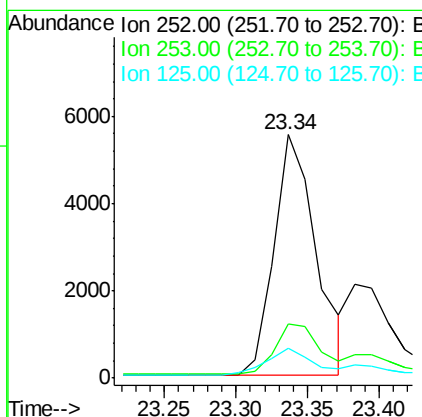
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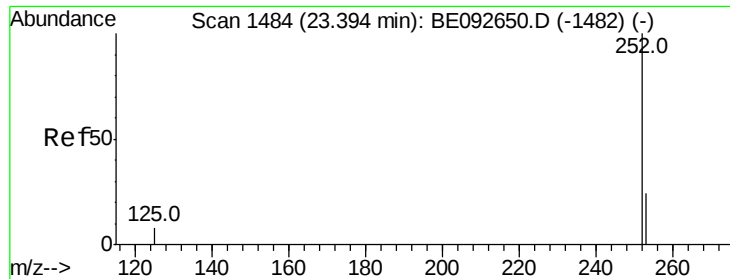
mohammad
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#32
Benzo(b)fluoranthene
Concen: 0.59 ng
RT: 23.34 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BE092666.D
Acq: 19 Jan 2017 20:42

Tgt Ion:252 Resp: 11270
Ion Ratio Lower Upper
252 100
253 22.2 18.7 28.1
125 12.1 10.5 15.7





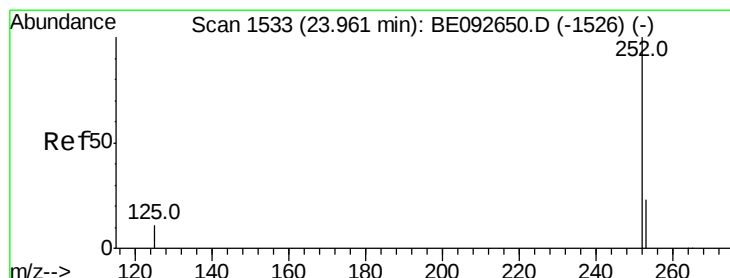
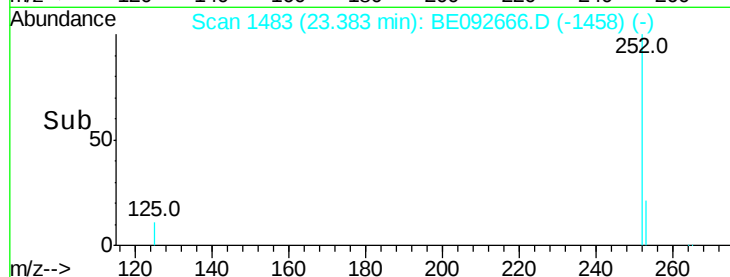
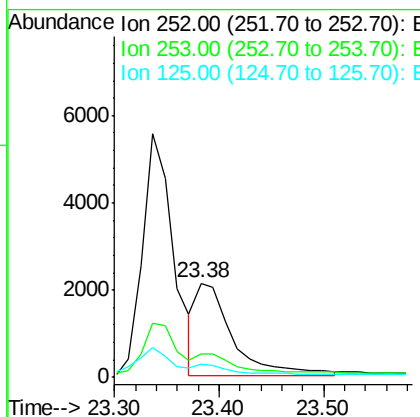
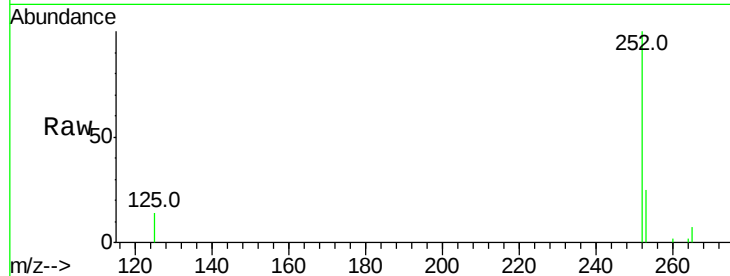
#33
Benzo(k)fluoranthene
Concen: 0.27 ng m
RT: 23.38 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE092666.D
Acq: 19 Jan 2017 20:42

Instrument :
BNA_E
ClientSampleId :
0048DL

Tot Ion:252 Resp: 5171
Ion Ratio Lower Upper
252 100
253 25.0 20.3 30.5
125 13.7 9.6 14.4

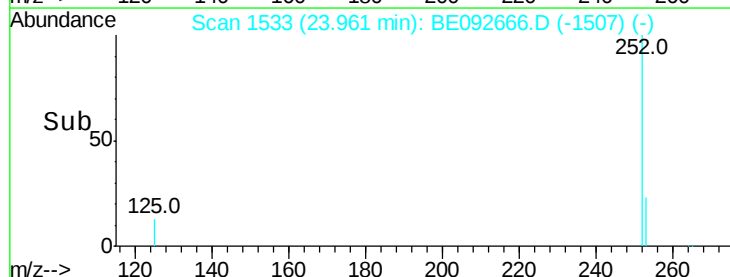
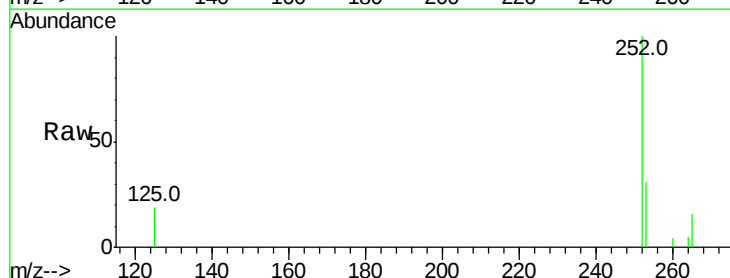
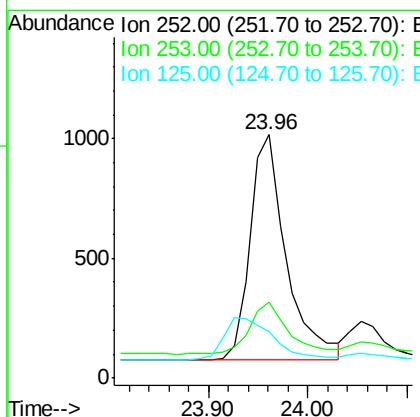
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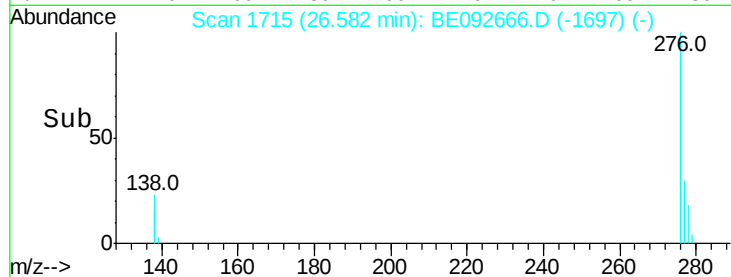
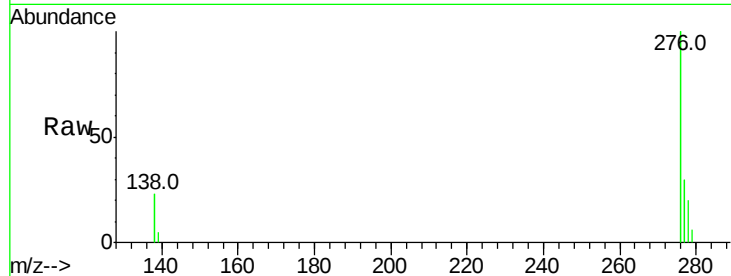
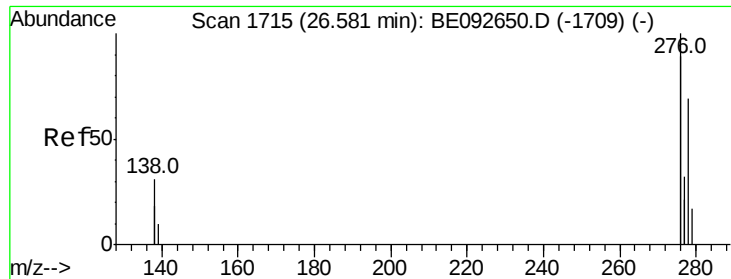
mohammad
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#34
Benzo(a)pyrene
Concen: 0.13 ng
RT: 23.96 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BE092666.D
Acq: 19 Jan 2017 20:42

Tgt Ion:252 Resp: 2383
Ion Ratio Lower Upper
252 100
253 31.3 19.0 28.6#
125 18.9 11.8 17.8#





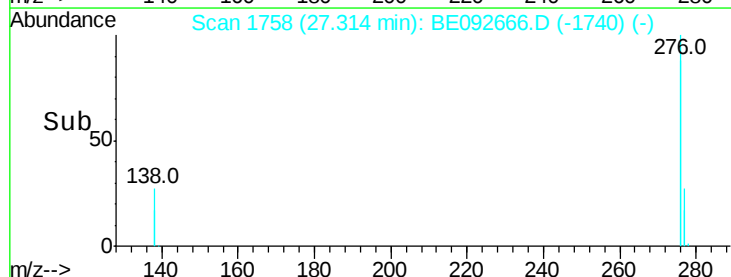
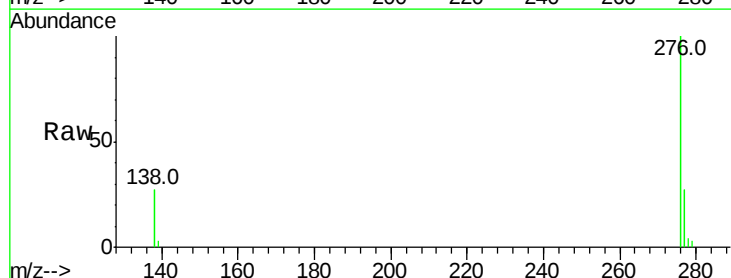
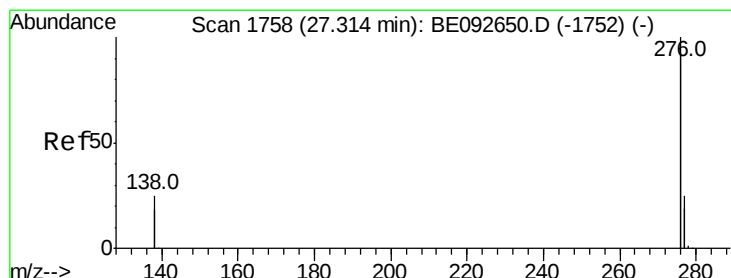
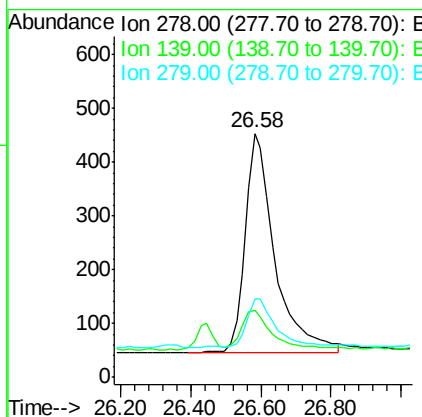
#35
 Dibenzo(a,h)anthracene
 Concen: 0.14 ng
 RT: 26.58 min Scan# 1715
 Delta R.T. 0.00 min
 Lab File: BE092666.D
 Acq: 19 Jan 2017 20:42

Tot Ion	Ratio	Resp	Lower	Upper
278	100	2415		
139	27.6	13.8	20.8#	
279	32.2	21.4	32.2#	

Instrument :
 BNA_E
 ClientSampleId :
 0048DL

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#36
 Benzo(g,h,i)perylene
 Concen: 0.25 ng
 RT: 27.31 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: BE092666.D
 Acq: 19 Jan 2017 20:42

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	18607		
277	27.2	19.8	29.8	
138	27.3	19.8	29.6	

