

Data Path : Z:\HPCHEM1\BNA E\DATA\BE011917\
 Data File : BE092665.D
 Acq On : 19 Jan 2017 20:03
 Operator : UM/SJ
 Sample : PB96128BSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB96128BSD

Manual Integrations
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Quant Time: Jan 20 02:14:12 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	9257	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	40294	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	23788	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	50760	5.00	ng	0.00
24) Chrysene-d12	21.72	240	48972	5.00	ng	0.00
31) Perylene-d12	24.06	264	57126	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.64	112	19067	9.23	ng	-0.01
5) Phenol-d6	7.31	99	23491	9.27	ng	-0.02
8) Nitrobenzene-d5	9.29	82	12342	4.72	ng	-0.04
13) 2,4,6-Tribromophenol	16.27	330	5769	8.21	ng	-0.02
14) 2-Fluorobiphenyl	13.40	172	25099	4.29	ng	-0.02
26) Terphenyl-d14	20.14	244	29794	4.30	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.39	88	4768	3.82	ng	# 68
3) n-Nitrosodimethylamine	3.73	42	7397	4.43	ng	# 91
6) bis(2-Chloroethyl)ether	7.54	93	11498	4.28	ng	96
9) Naphthalene	10.95	128	34787	4.13	ng	# 96
10) Hexachlorobutadiene	11.24	225	5245	4.22	ng	99
11) 2-Methylnaphthalene	12.59	142	22334	4.28	ng	93
15) Acenaphthylene	14.49	152	141457	4.32	ng	100
16) Acenaphthene	14.85	154	21620	4.11	ng	93
17) Fluorene	15.83	166	27562	4.18	ng	100
19) Hexachlorobenzene	16.87	284	7192	4.33	ng	# 39
20) Pentachlorophenol	17.21	266	6185	11.85	ng	# 87
21) Phenanthrene	17.58	178	44721	3.99	ng	94
22) Anthracene	17.67	178	44951	4.35	ng	99
23) Fluoranthene	19.58	202	202857	4.08	ng	99
25) Pyrene	19.93	202	214102	4.44	ng	99
27) Benzo(a)anthracene	21.70	228	198439	4.11	ng	# 72
28) Chrysene	21.75	228	214038m	3.94	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	31845	3.42	ng	# 71
30) Indeno(1,2,3-cd)pyrene	26.51	276	304941	5.20	ng	98
32) Benzo(b)fluoranthene	23.34	252	62223	4.50	ng	# 96
33) Benzo(k)fluoranthene	23.38	252	58689	4.23	ng	95
34) Benzo(a)pyrene	23.95	252	60347	4.65	ng	# 95
35) Dibenzo(a,h)anthracene	26.55	278	62995	4.96	ng	95
36) Benzo(g,h,i)perylene	27.28	276	262972	4.90	ng	98

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

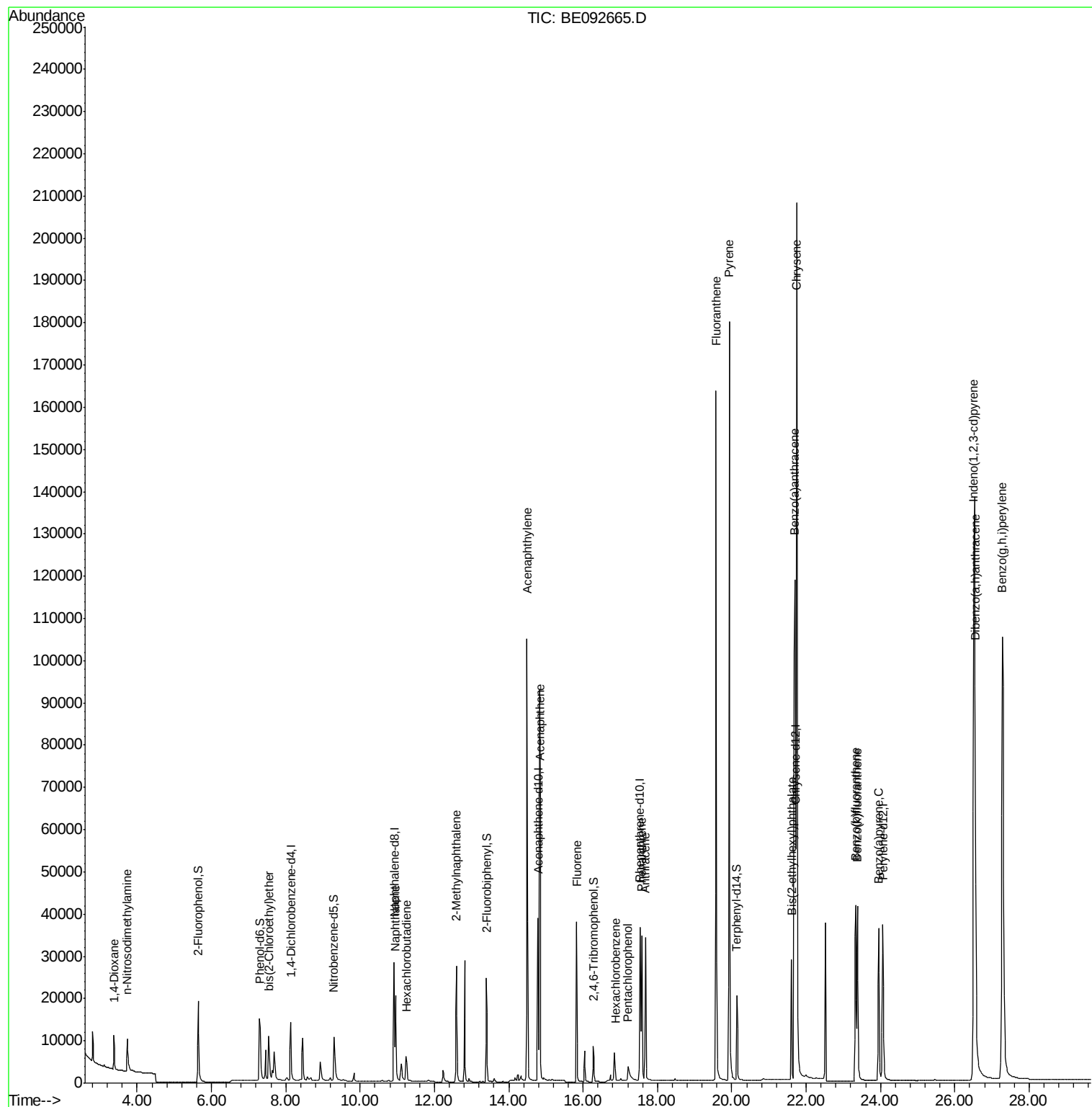
Data Path : Z:\HPCHEM1\BNA E\DATA\BE011917\
Data File : BE092665.D
Acq On : 19 Jan 2017 20:03
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Sample : PB96128BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

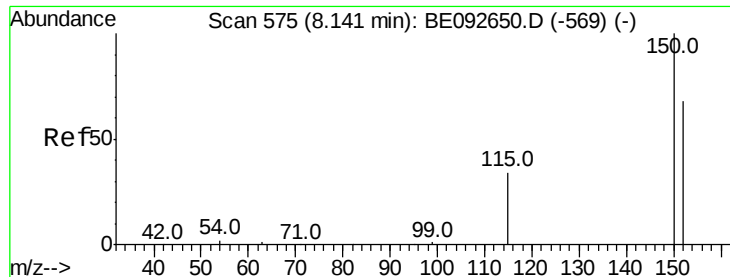
Instrument :
BNA_E
ClientSampleId :
PB96128BSD

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Quant Time: Jan 20 02:14:12 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Instrument :

BNA_E

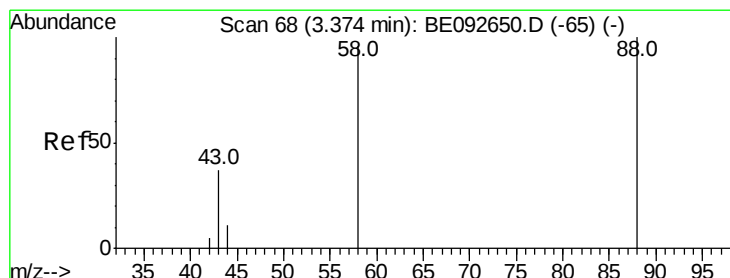
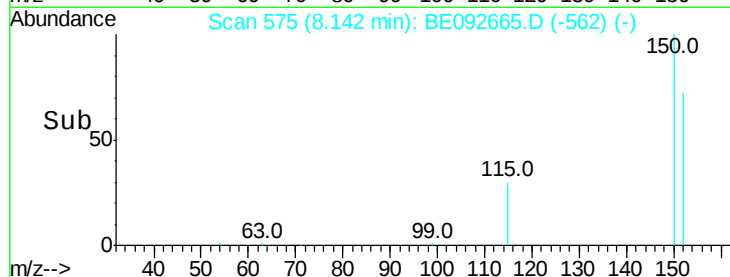
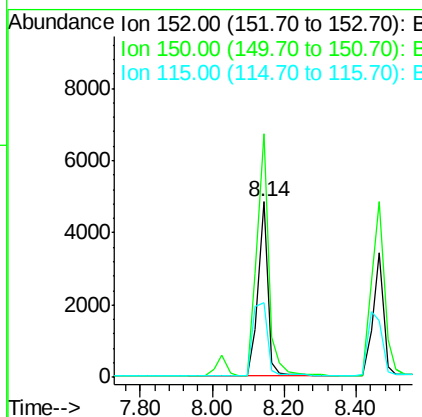
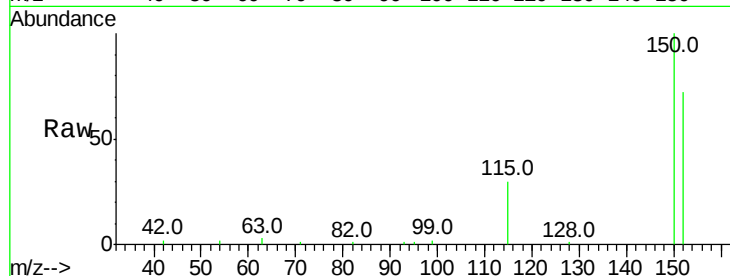
ClientSampleId :

PB96128BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.7	106.0	159.0
115	42.3	31.2	46.8

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#2

1,4-Dioxane

Concen: 3.82 ng

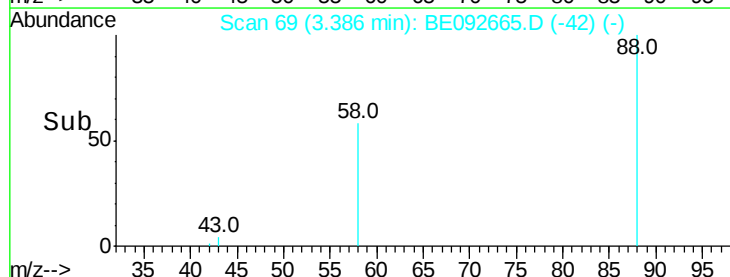
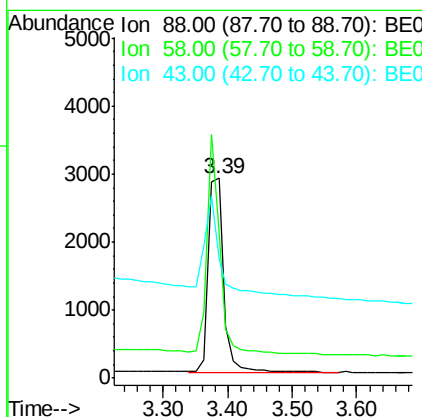
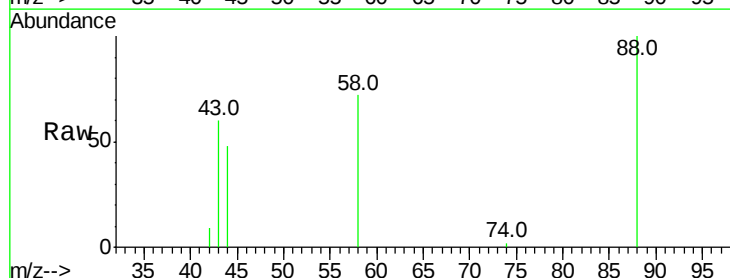
RT: 3.39 min Scan# 69

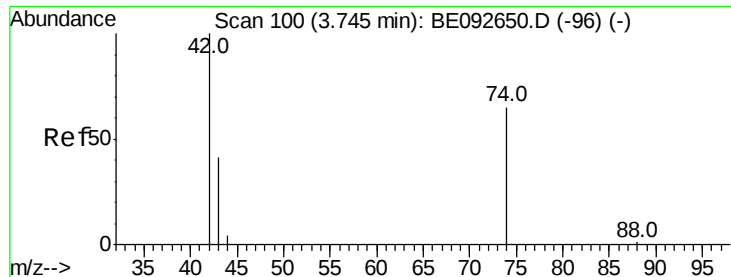
Delta R.T. 0.01 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Tgt Ion	Ratio	Lower	Upper
88	100		
58	95.4	63.6	95.4#
43	71.5	28.0	42.0#





#3

n-Nitrosodimethylamine

Concen: 4.43 ng

RT: 3.73 min Scan# 99

Delta R.T. -0.01 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Instrument :

BNA_E

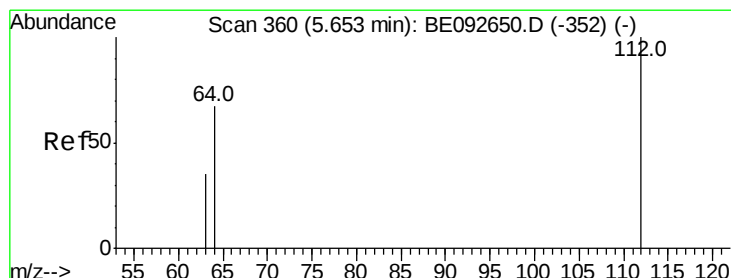
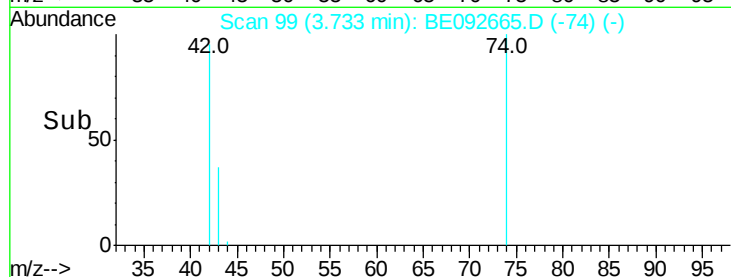
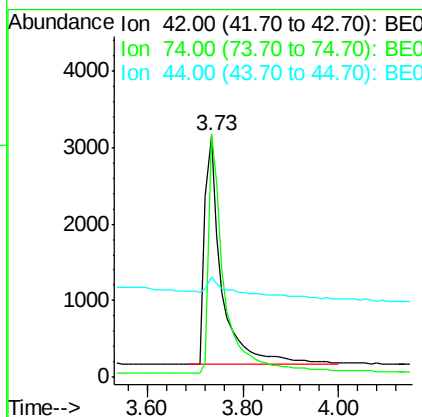
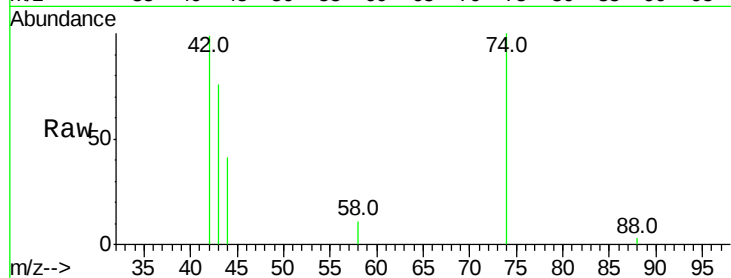
ClientSampleId :

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Tot Ion:	42	Resp:	7397
Ion Ratio	Lower	Upper	
42	100		
74	99.6	86.0	129.0
44	15.9	5.1	7.7#

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#4

2-Fluorophenol

Concen: 9.23 ng

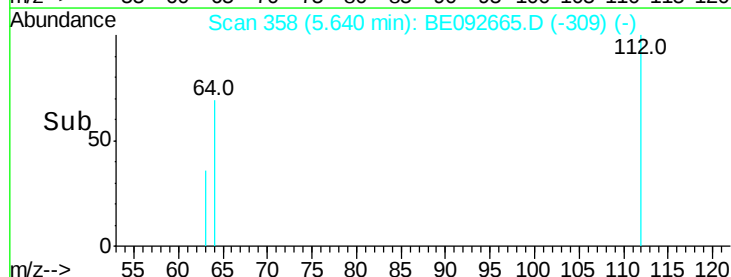
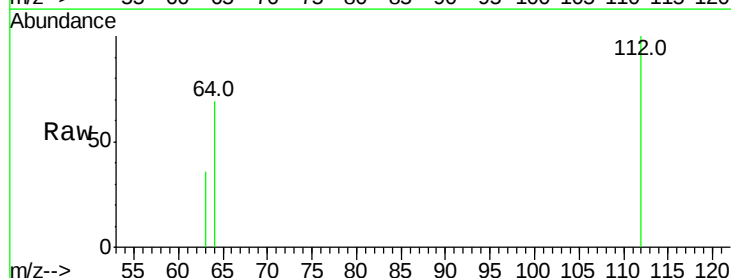
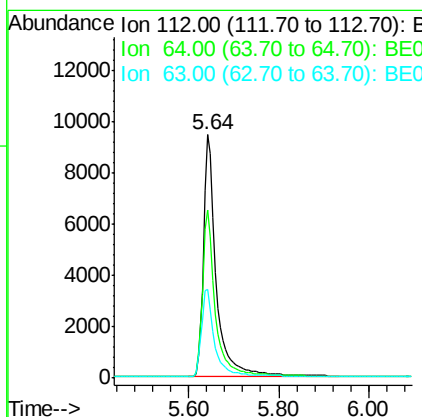
RT: 5.64 min Scan# 358

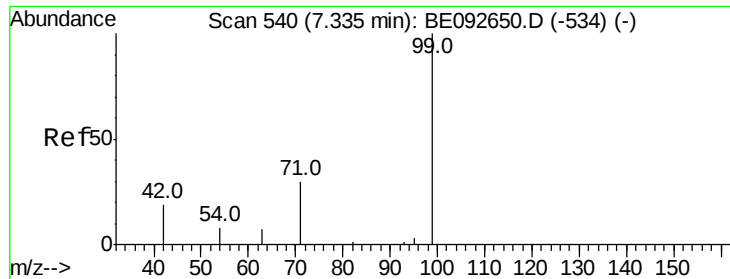
Delta R.T. -0.01 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Tgt Ion:	112	Resp:	19067
Ion Ratio	Lower	Upper	
112	100		
64	69.0	53.5	80.3
63	37.0	27.9	41.9





#5

Phenol-d6

Concen: 9.27 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Instrument :

BNA_E

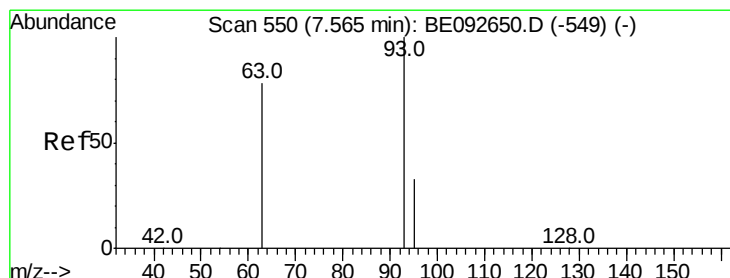
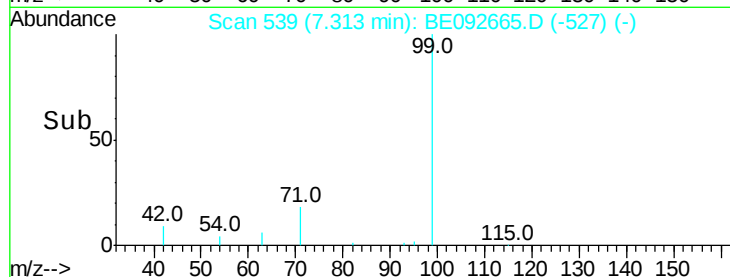
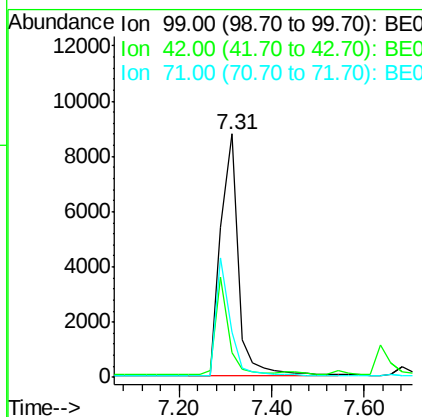
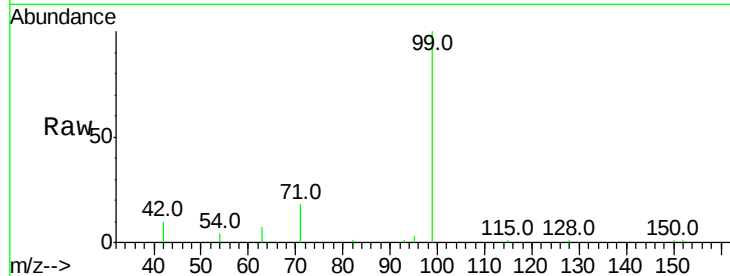
ClientSampleId :

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Tot Ion:	99	Resp:	23491
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

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#6

bis(2-Chloroethyl)ether

Concen: 4.28 ng

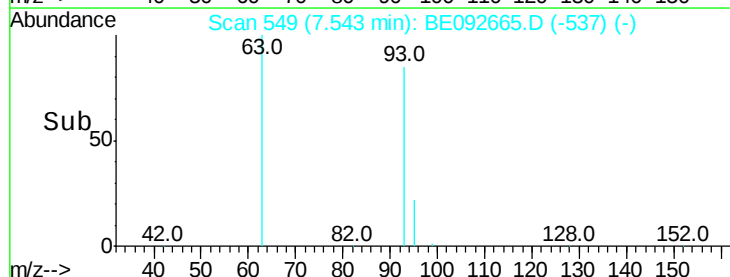
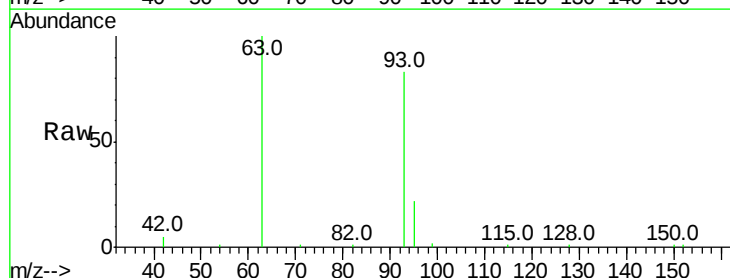
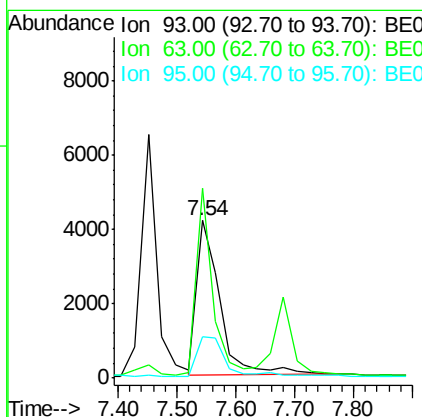
RT: 7.54 min Scan# 549

Delta R.T. -0.02 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Tgt Ion:	93	Resp:	11498
Ion Ratio	Lower	Upper	
93	100		
63	84.7	71.6	107.4
95	30.9	24.0	36.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.91 min Scan# 706

Delta R.T. -0.00 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Instrument :

BNA_E

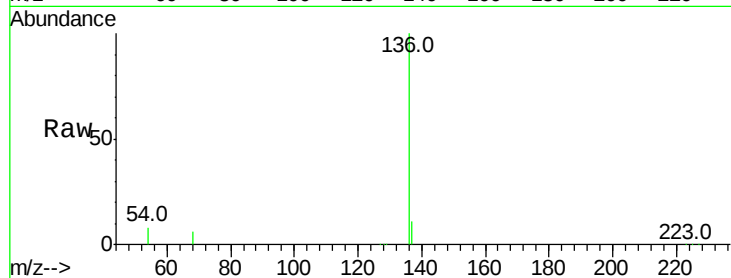
ClientSampleId :

PB96128BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.2	12.4	
54	7.8	9.6	14.4	
68	5.7	6.7	10.1	

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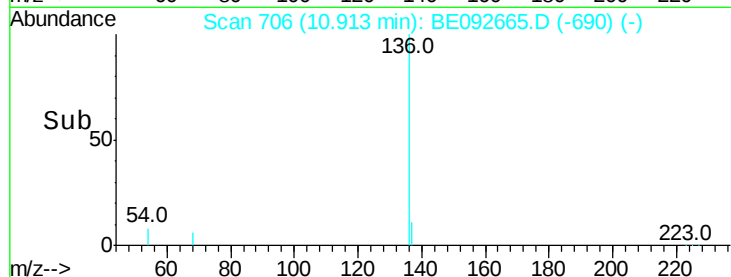
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

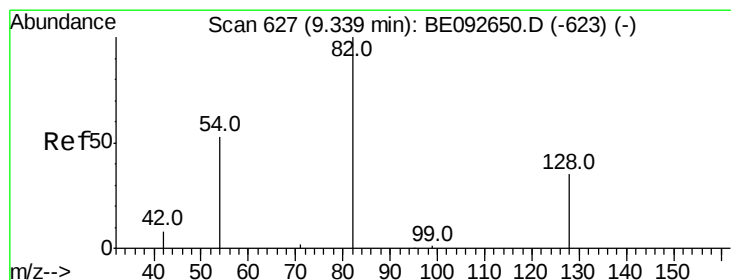
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 4.72 ng

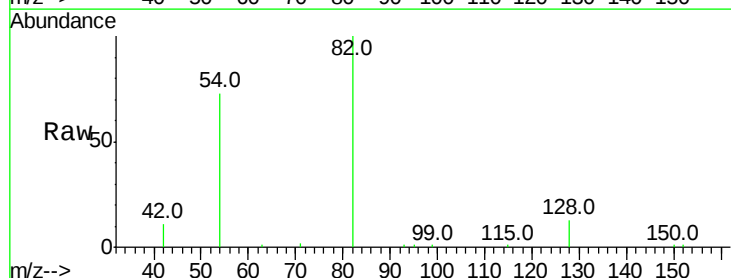
RT: 9.29 min Scan# 625

Delta R.T. -0.04 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	13.0	39.0	58.4	
54	72.6	44.8	67.2	

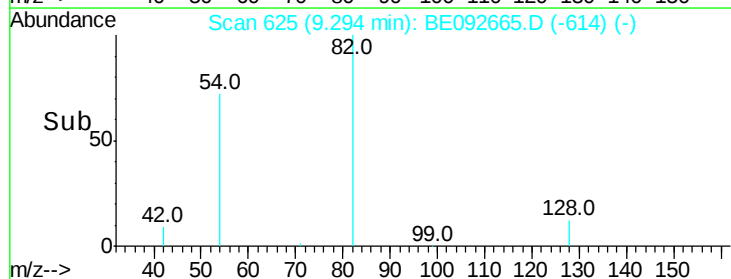


Abundance Ion 82.00 (81.70 to 82.70): BE0

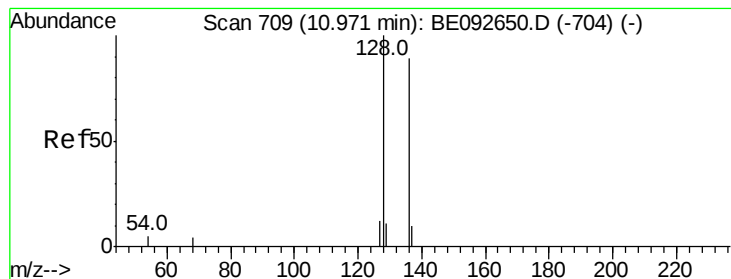
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



#9

Naphthalene

Concen: 4.13 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Instrument :

BNA_E

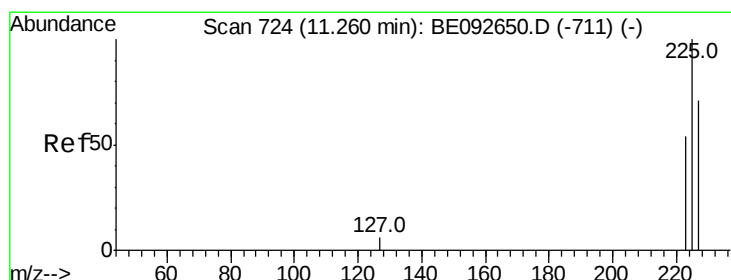
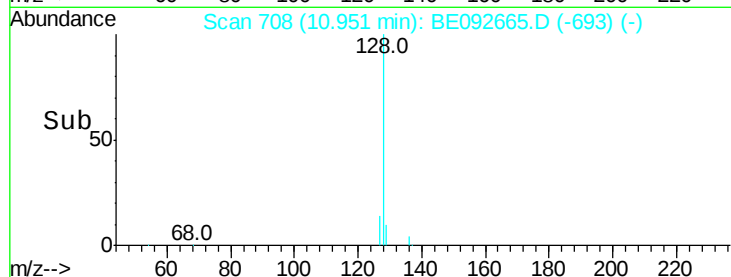
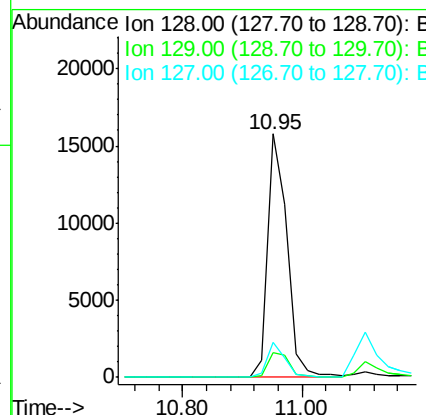
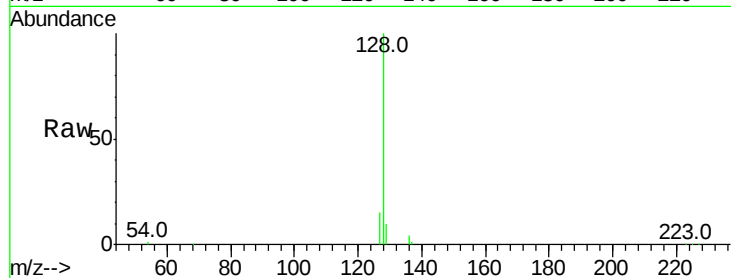
ClientSampleId :

PB96128BSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.3	11.2	16.8#
127	14.5	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 4.22 ng

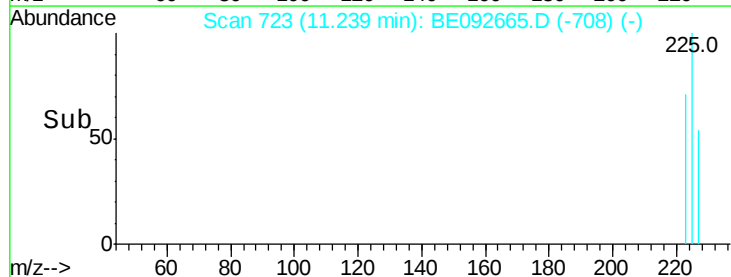
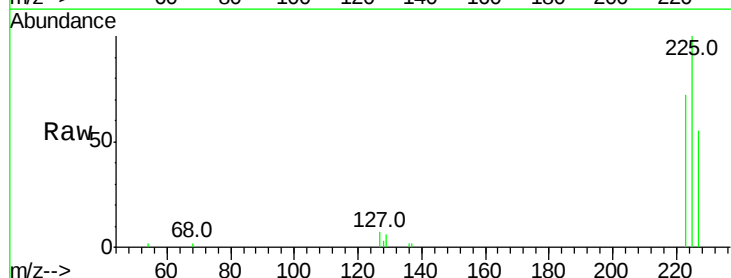
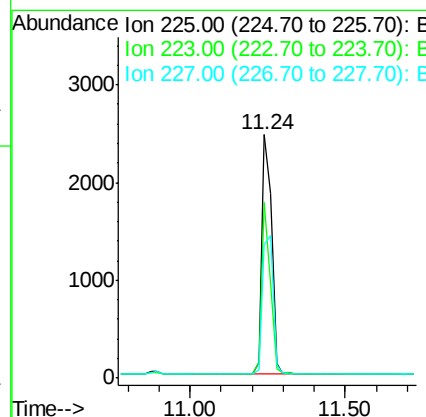
RT: 11.24 min Scan# 723

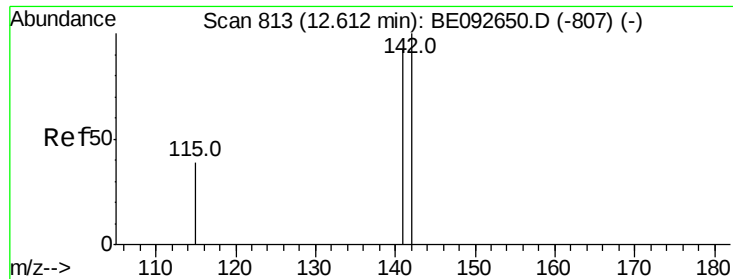
Delta R.T. -0.02 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	63.7	51.4	77.0





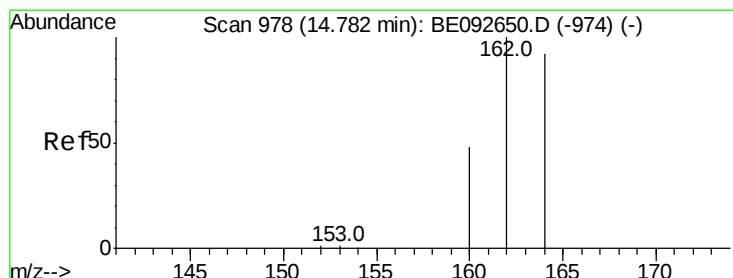
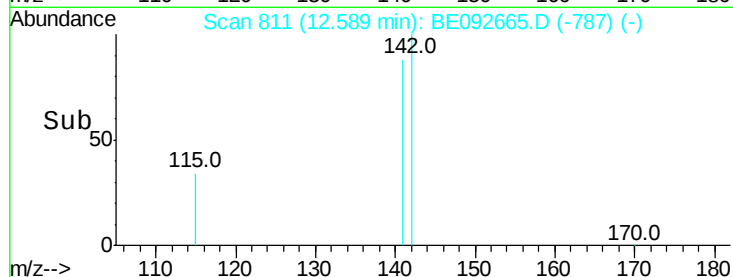
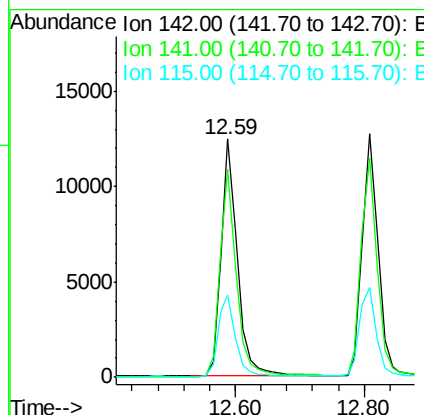
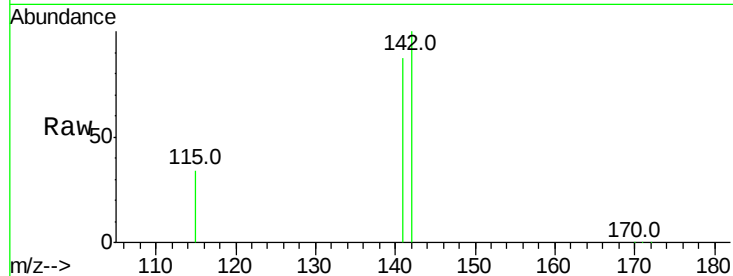
#11
2-Methylnaphthalene
Concen: 4.28 ng
RT: 12.59 min Scan# 811
Delta R.T. -0.02 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

Instrument :
BNA_E
ClientSampleId :
PB96128BSD

Tot Ion:142 Resp: 22334
Ion Ratio Lower Upper
142 100
141 87.3 73.7 110.5
115 34.4 34.0 51.0

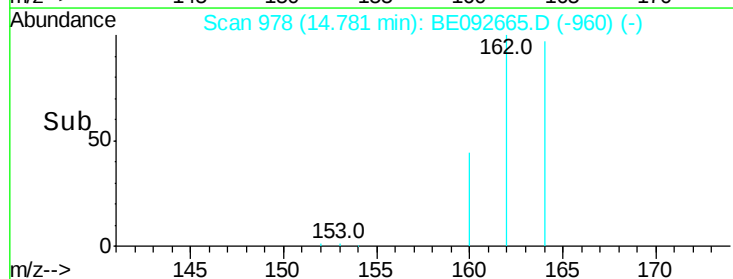
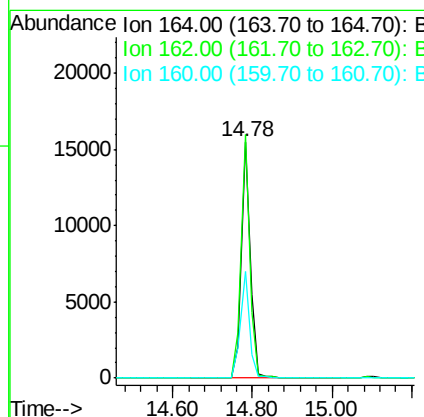
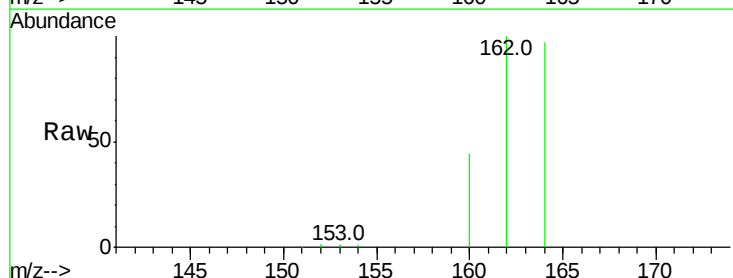
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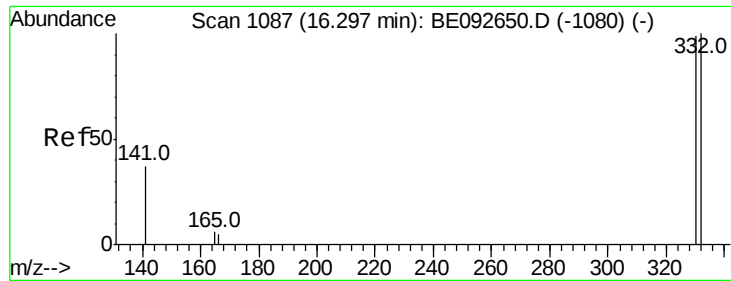
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 978
Delta R.T. -0.00 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

Tgt Ion:164 Resp: 23788
Ion Ratio Lower Upper
164 100
162 103.1 71.4 107.0
160 45.2 27.4 41.2#





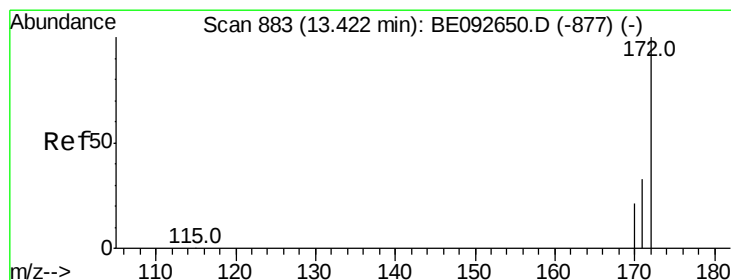
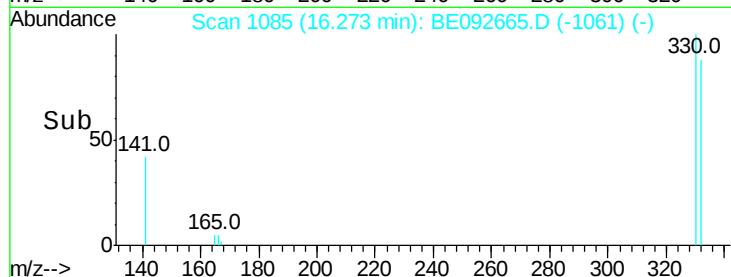
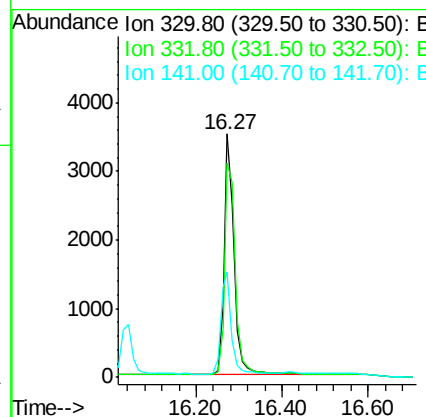
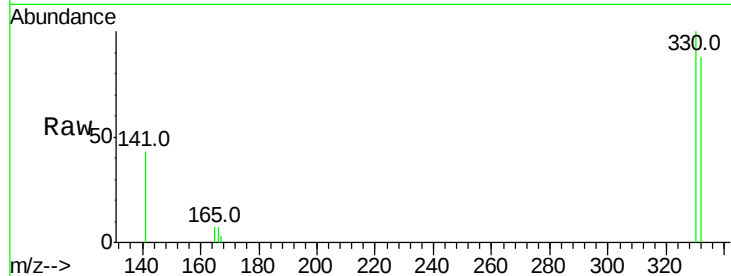
#13
 2,4,6-Tribromophenol
 Concen: 8.21 ng
 RT: 16.27 min Scan# 1085
 Delta R.T. -0.02 min
 Lab File: BE092665.D
 Acq: 19 Jan 2017 20:03

Instrument :
 BNA_E
 ClientSampleId :
 PB96128BSD

Tot Ion:330 Resp: 5769
 Ion Ratio Lower Upper
 330 100
 332 96.3 75.4 113.0
 141 44.8 31.0 46.6

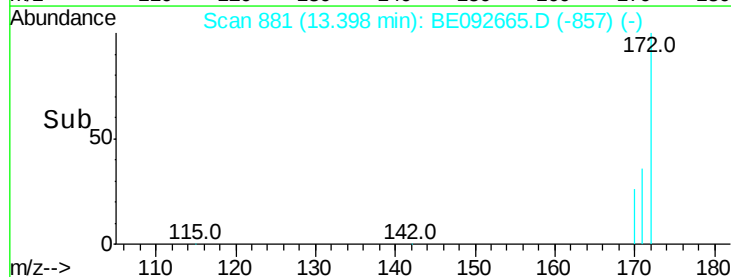
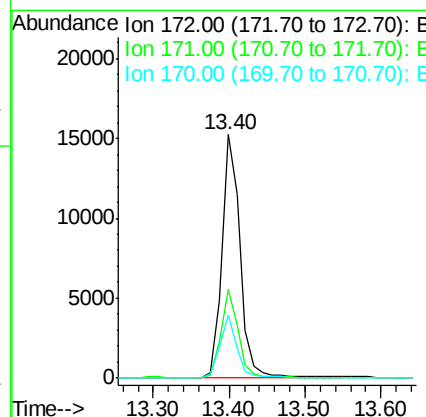
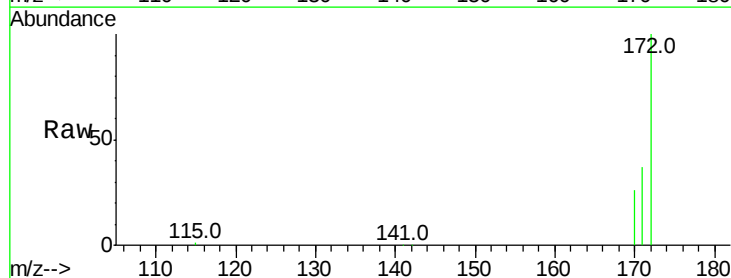
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#14
 2-Fluorobiphenyl
 Concen: 4.29 ng
 RT: 13.40 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BE092665.D
 Acq: 19 Jan 2017 20:03

Tgt Ion:172 Resp: 25099
 Ion Ratio Lower Upper
 172 100
 171 36.6 30.1 45.1
 170 25.8 21.8 32.6





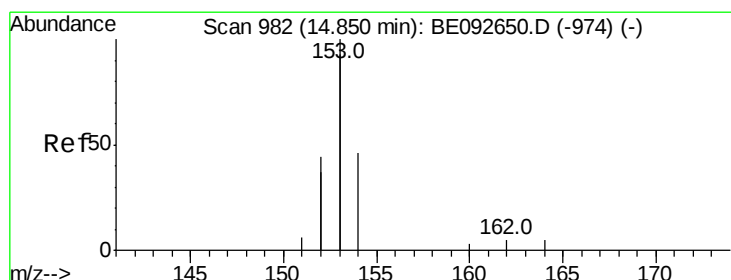
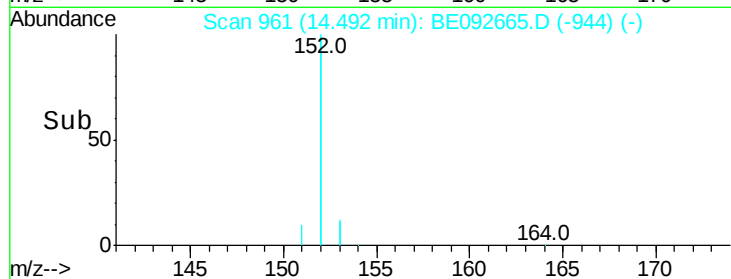
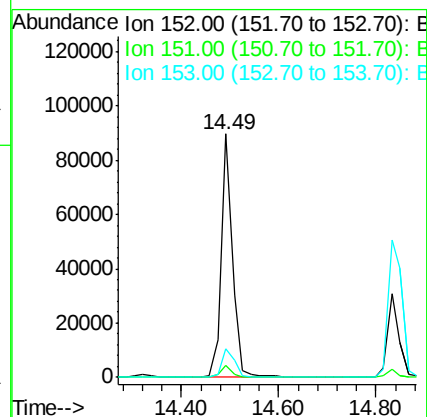
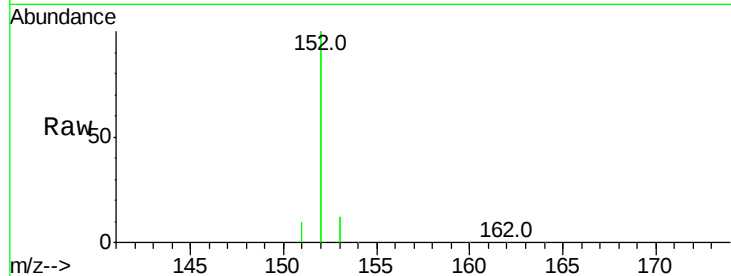
#15
Acenaphthylene
Concen: 4.32 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.02 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

Instrument :
BNA_E
ClientSampleId :
PB96128BSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.2	10.4	15.6

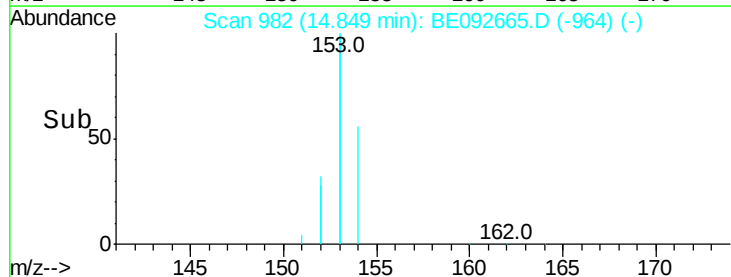
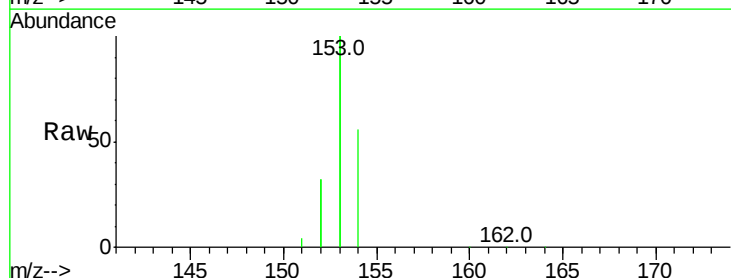
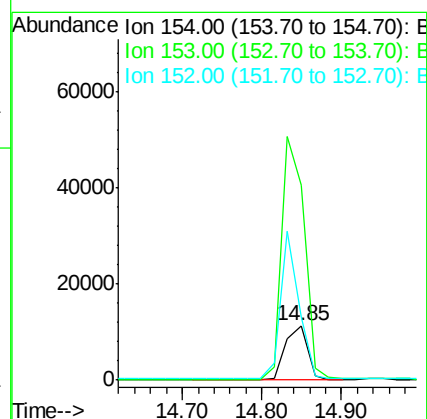
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#16
Acenaphthene
Concen: 4.11 ng
RT: 14.85 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

Tgt Ion	Ratio	Lower	Upper
154	100		
153	455.8	350.8	526.2
152	227.1	171.1	256.7





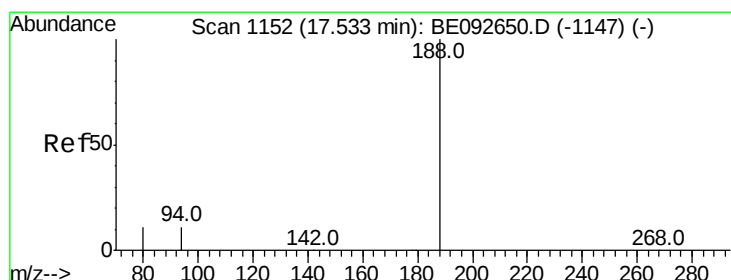
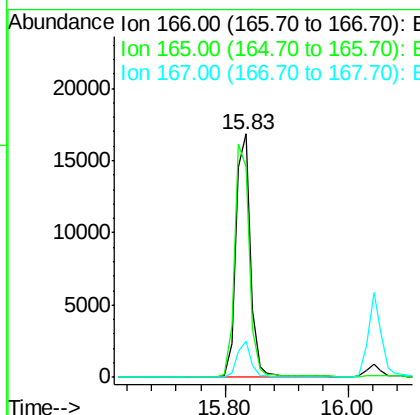
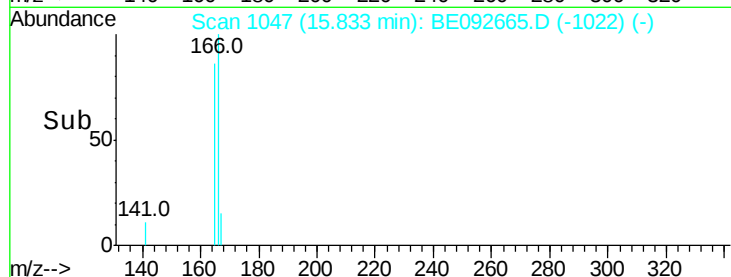
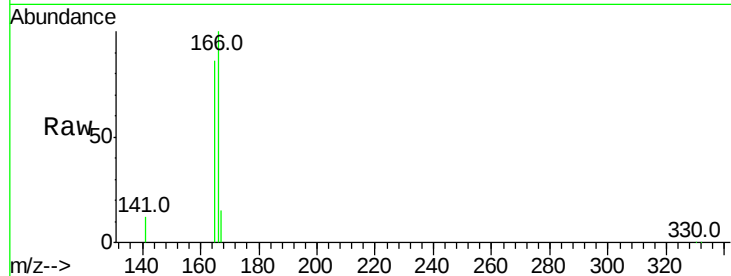
#17
Fluorene
 Concen: 4.18 ng
 RT: 15.83 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BE092665.D
 Acq: 19 Jan 2017 20:03

Instrument :
 BNA_E
 ClientSampleId :
 PB96128BSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.2	117.4
167	13.7	11.0	16.4

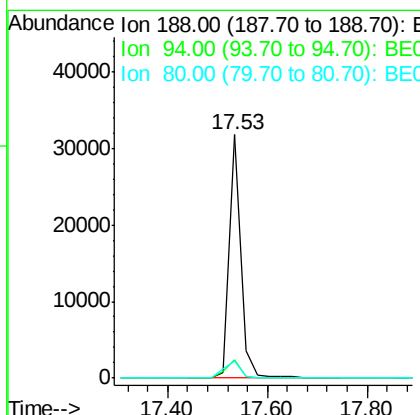
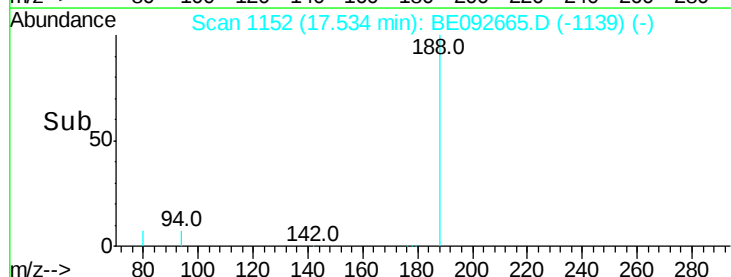
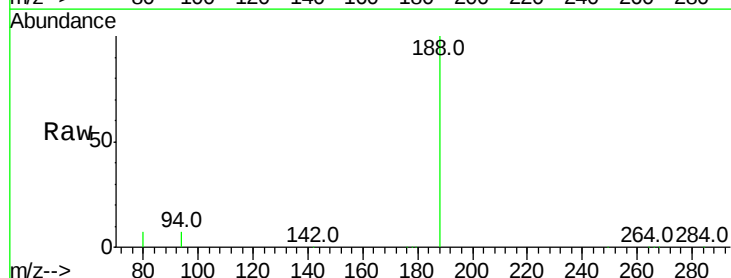
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.53 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BE092665.D
 Acq: 19 Jan 2017 20:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	3.2	4.8#
80	6.9	2.6	3.8#





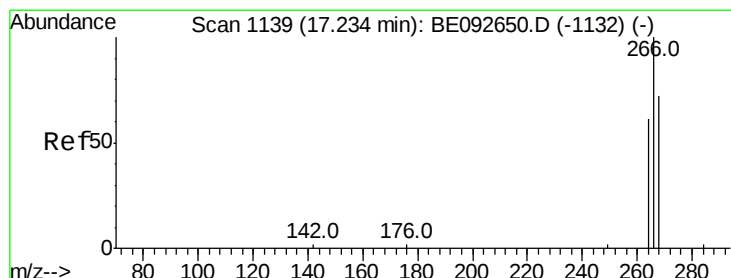
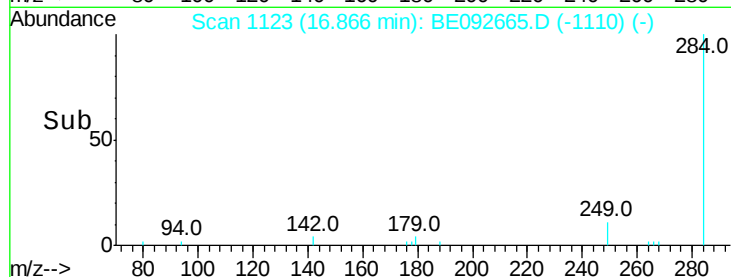
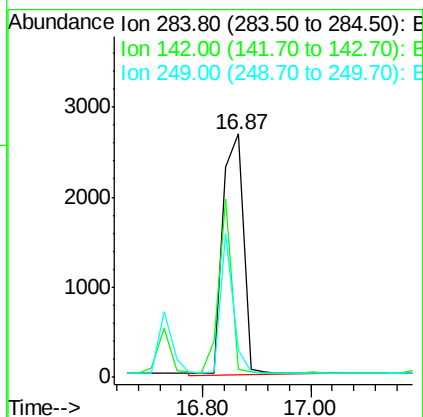
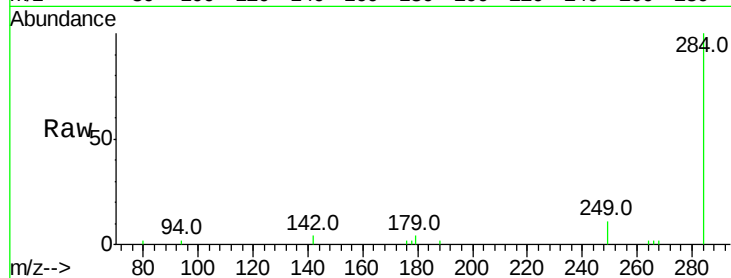
#19
Hexachlorobenzene
Concen: 4.33 ng
RT: 16.87 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

Instrument :
BNA_E
ClientSampleId :
PB96128BSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	0.0	27.9	41.9#

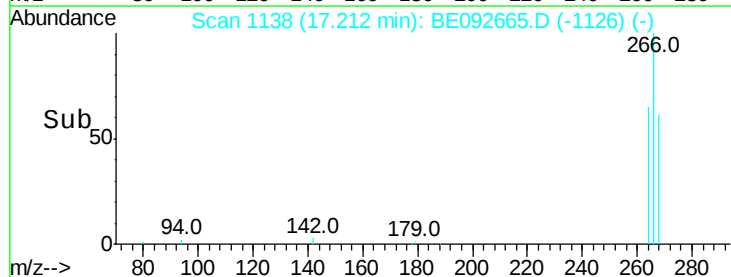
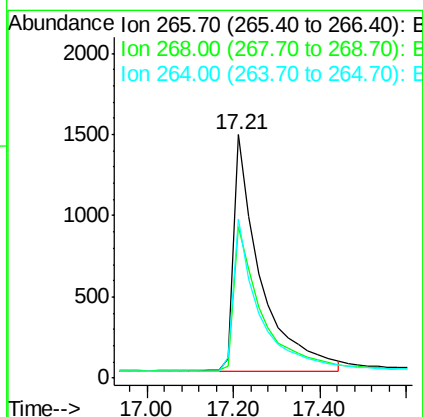
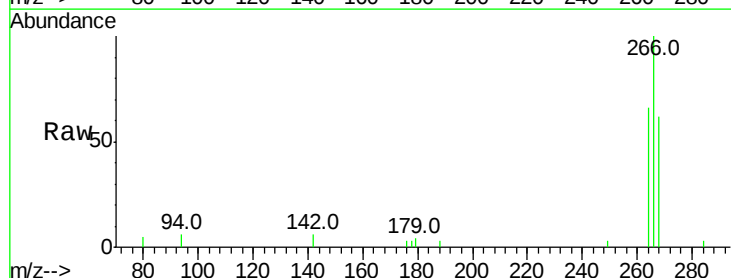
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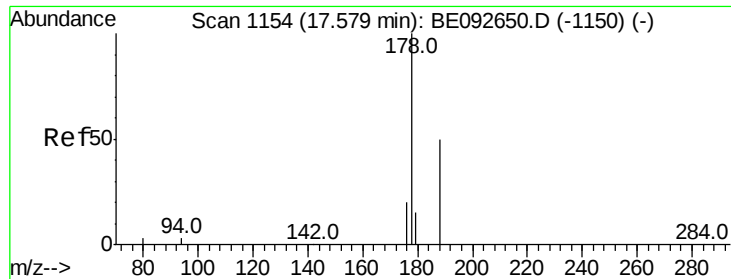
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#20
Pentachlorophenol
Concen: 11.85 ng
RT: 17.21 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.3	62.5	93.7#
264	65.5	57.2	85.8





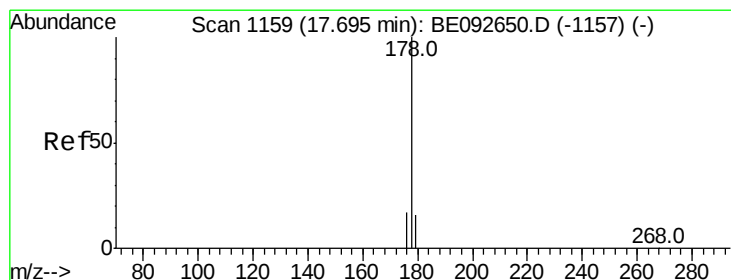
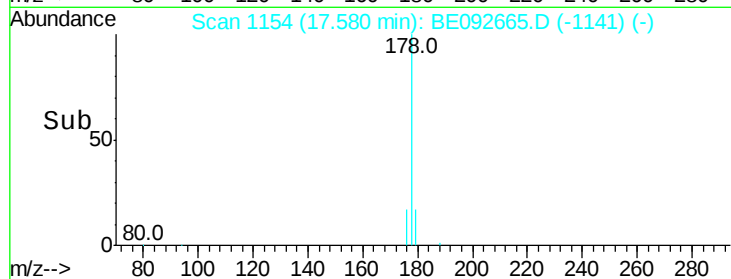
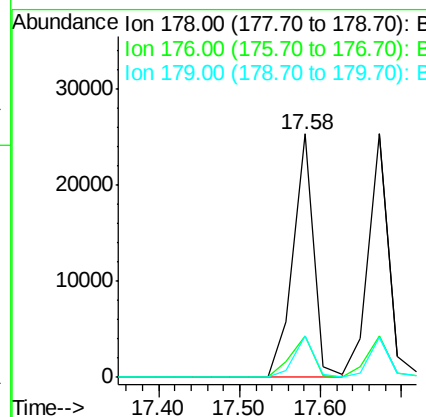
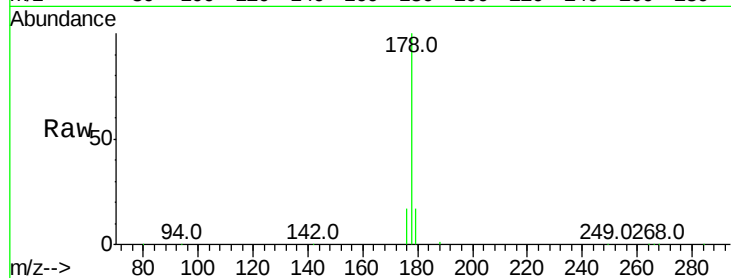
#21
Phenanthrene
Concen: 3.99 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

Instrument :
BNA_E
ClientSampleId :
PB96128BSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	16.0	16.0	24.0

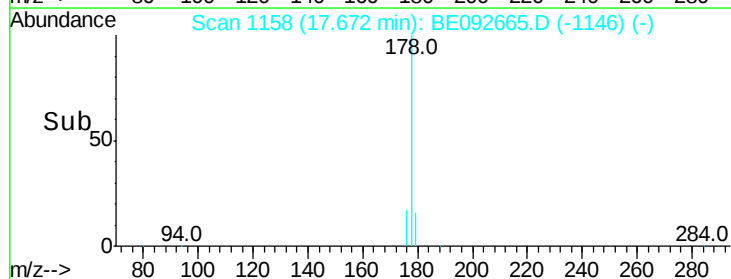
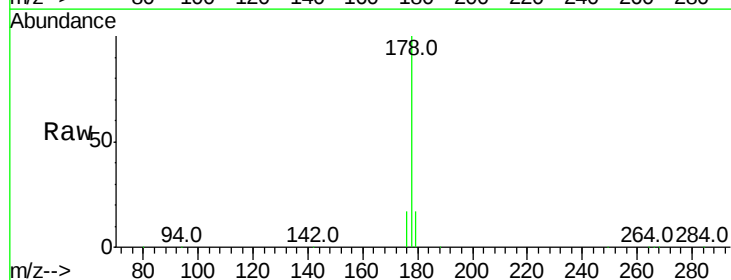
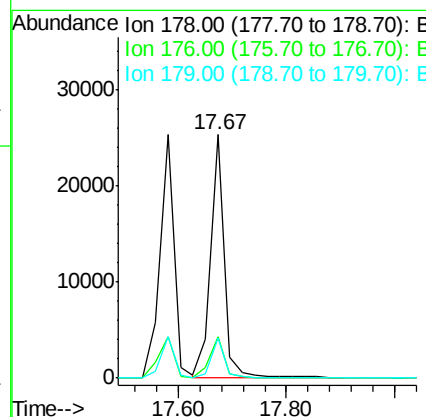
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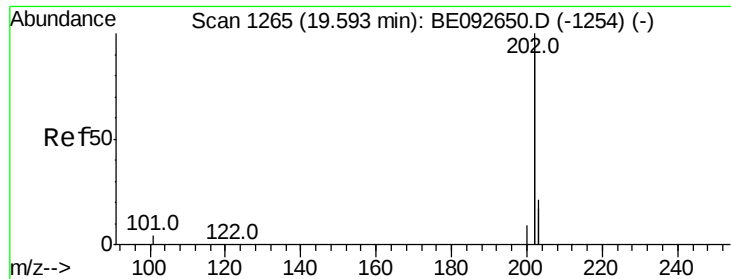
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#22
Anthracene
Concen: 4.35 ng
RT: 17.67 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

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





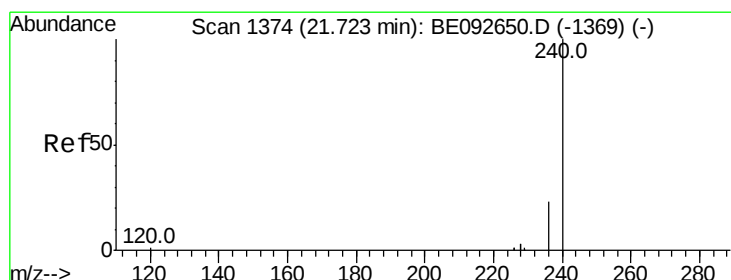
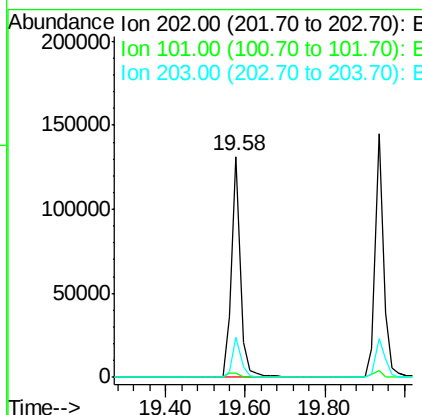
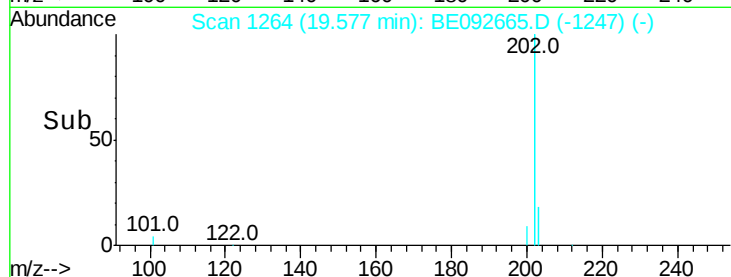
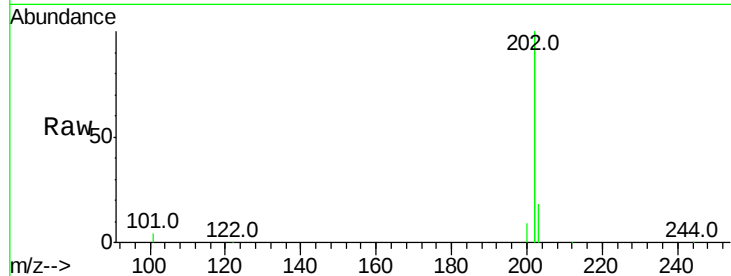
#23
 Fluoranthene
 Concen: 4.08 ng
 RT: 19.58 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BE092665.D
 Acq: 19 Jan 2017 20:03

Instrument :
 BNA_E
 ClientSampleId :
 PB96128BSD

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.5	13.7	20.5

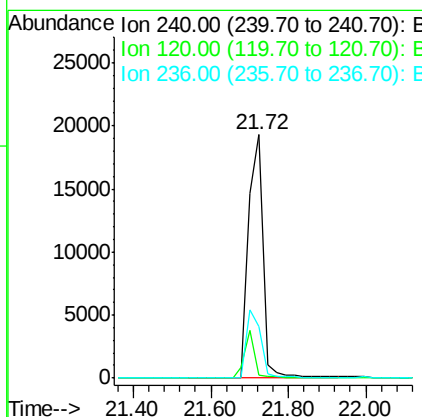
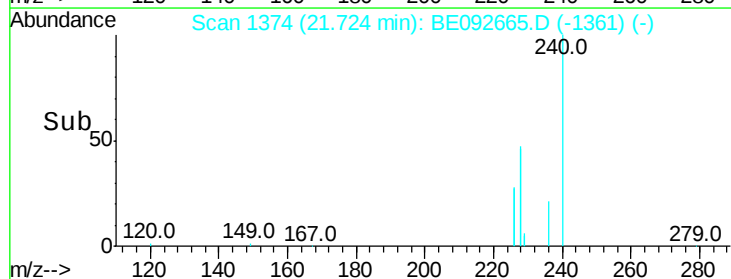
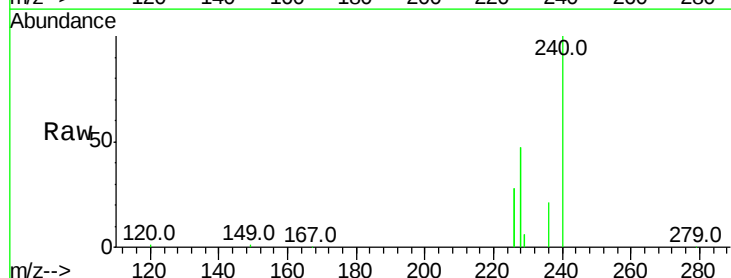
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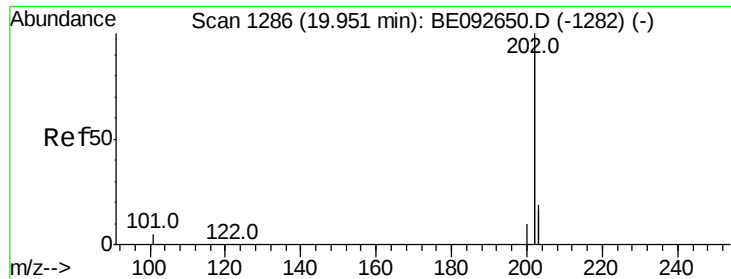
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#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: BE092665.D
 Acq: 19 Jan 2017 20:03

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	1.2	2.6	4.0#
236	21.1	24.6	37.0#





#25

Pvrene

Concen: 4.44 ng

RT: 19.93 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Instrument :

BNA_E

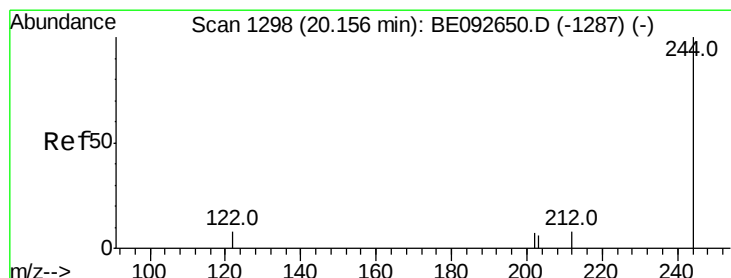
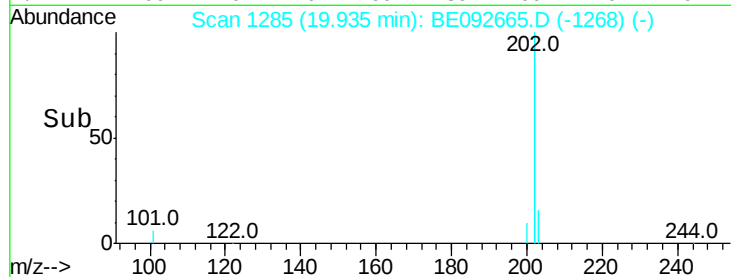
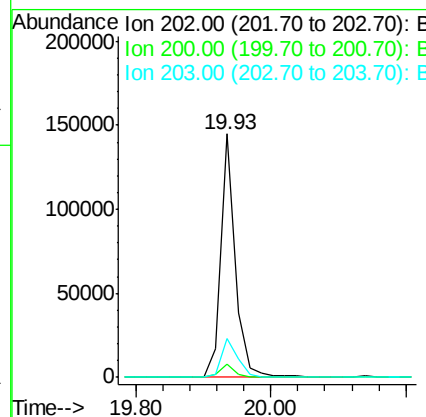
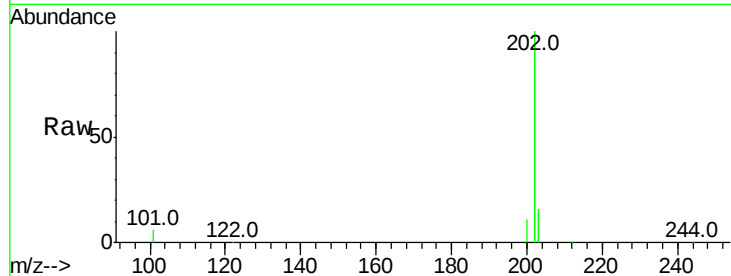
ClientSampleId :

PB96128BSD

Tot Ion:	202	Resp:	214102
Ion Ratio	Lower	Upper	
202	100		
200	5.3	4.2	6.4
203	18.1	13.9	20.9

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#26

Terphenyl-d14

Concen: 4.30 ng

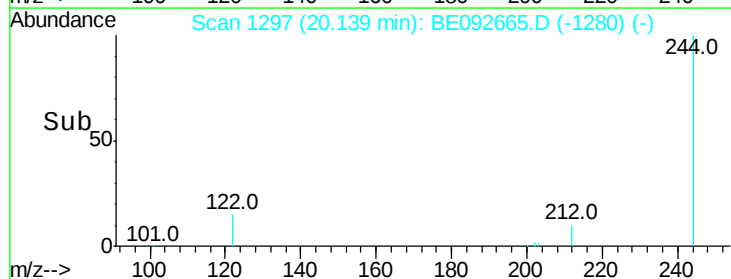
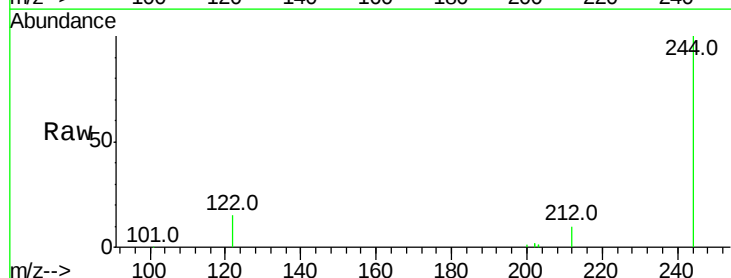
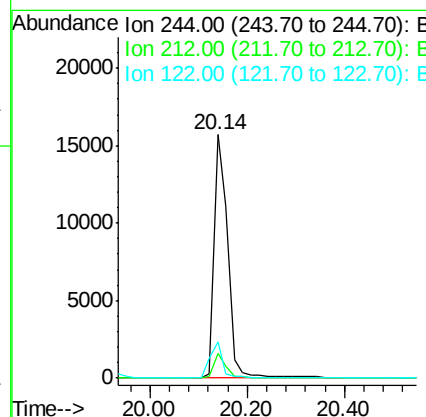
RT: 20.14 min Scan# 1297

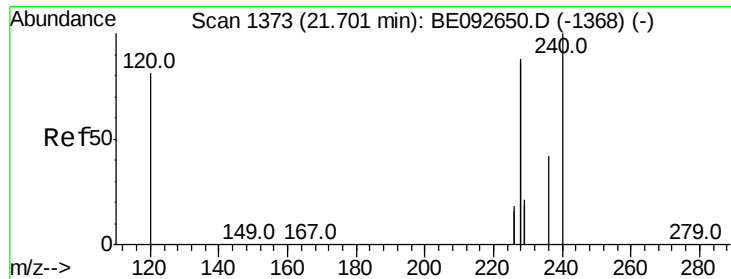
Delta R.T. -0.02 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Tgt Ion:	244	Resp:	29794
Ion Ratio	Lower	Upper	
244	100		
212	10.2	6.7	10.1#
122	14.8	3.6	5.4#





#27

Benzo(a)anthracene

Concen: 4.11 ng

RT: 21.70 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Instrument :

BNA_E

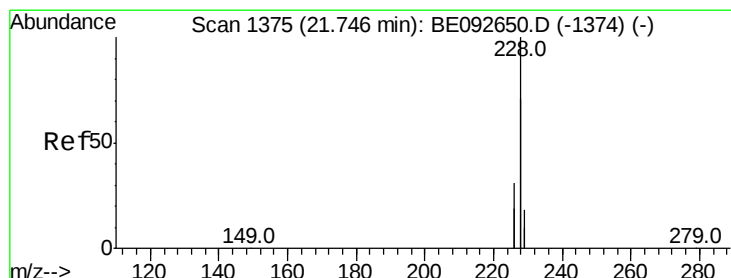
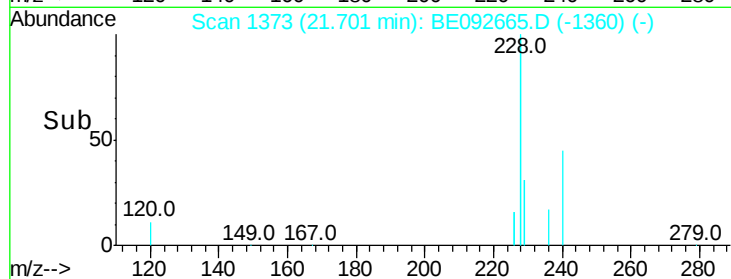
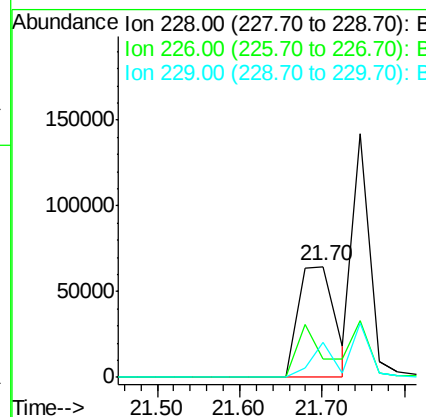
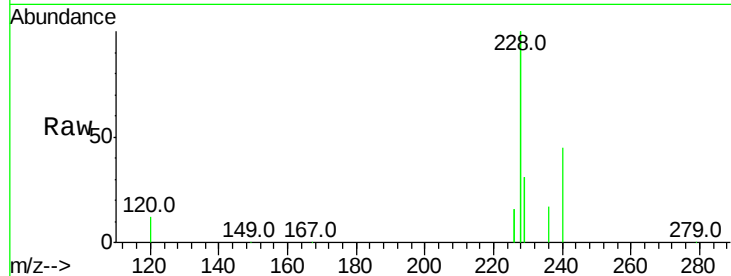
ClientSampleId :

PB96128BSD

Tot Ion:	228	Resp:	198439
Ion Ratio	Lower	Upper	
228	100		
226	16.1	23.6	35.4#
229	31.1	13.3	19.9#

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#28

Chrysene

Concen: 3.94 ng m

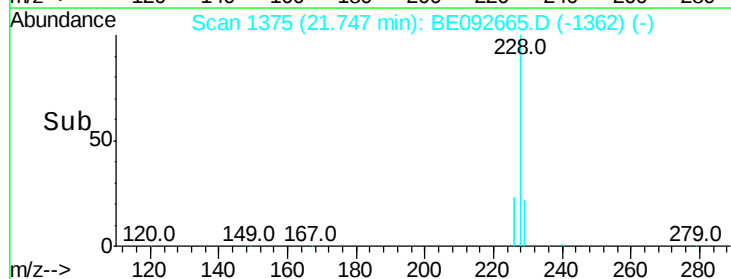
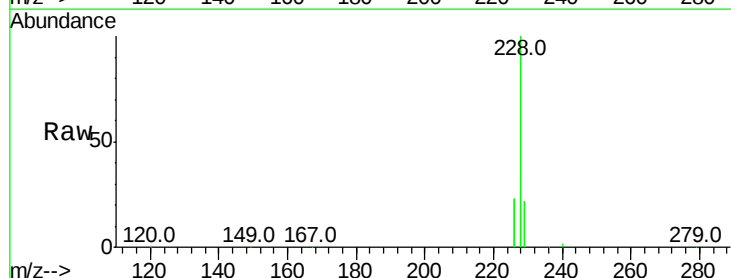
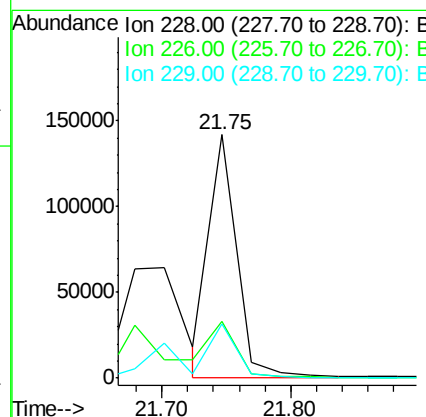
RT: 21.75 min Scan# 1375

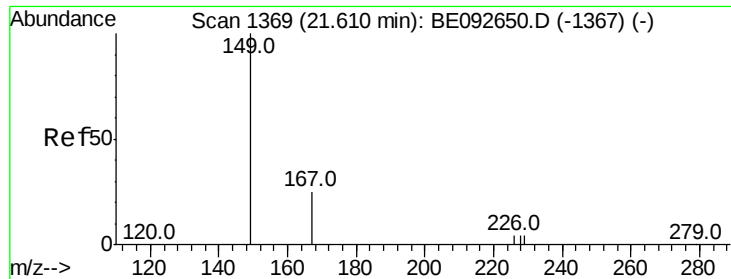
Delta R.T. 0.00 min

Lab File: BE092665.D

Acq: 19 Jan 2017 20:03

Tgt Ion:	228	Resp:	214038
Ion Ratio	Lower	Upper	
228	100		
226	23.4	36.3	54.5#
229	22.1	10.6	16.0#





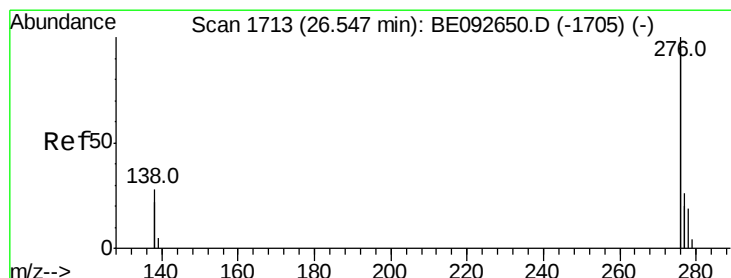
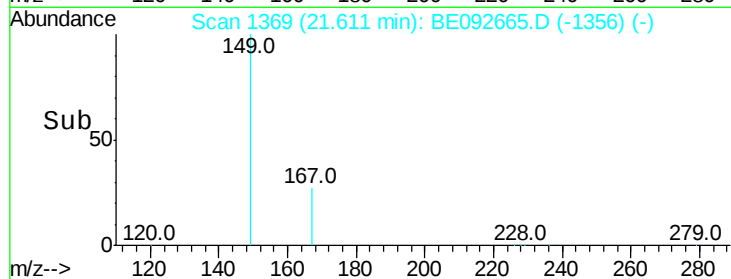
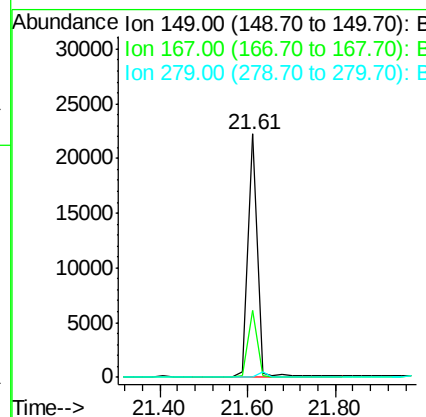
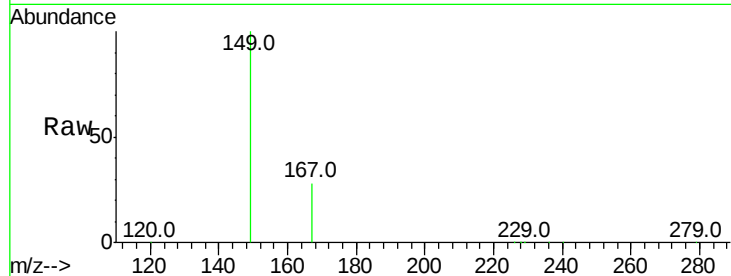
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 3.42 ng
 RT: 21.61 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: BE092665.D
 Acq: 19 Jan 2017 20:03

Instrument :
 BNA_E
 ClientSampleId :
 PB96128BSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.9	16.0	24.0#
279	0.0	16.0	24.0#

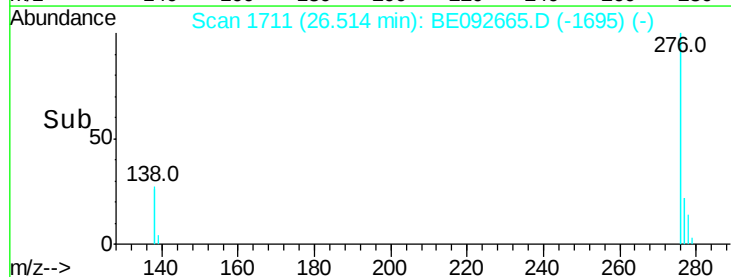
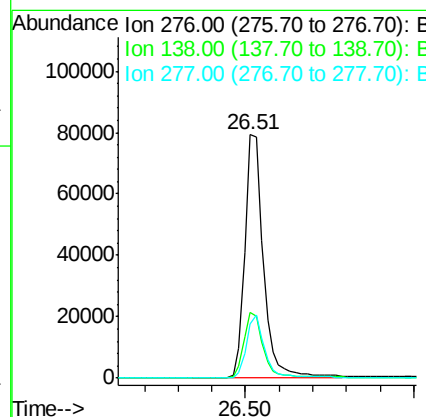
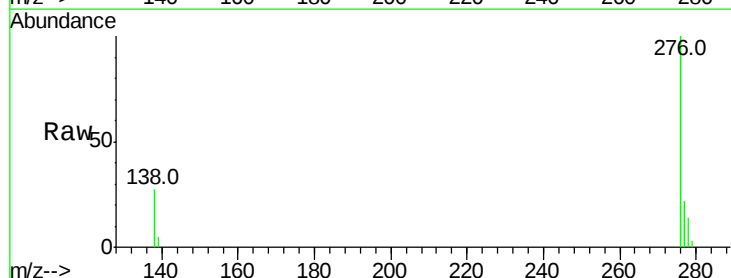
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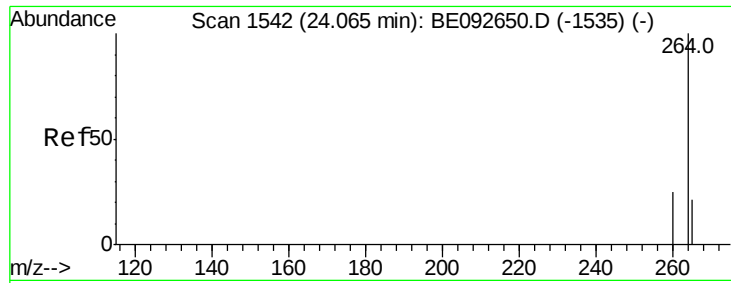
mohammad
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#30
 Indeno(1,2,3-cd)pyrene
 Concen: 5.20 ng
 RT: 26.51 min Scan# 1711
 Delta R.T. -0.03 min
 Lab File: BE092665.D
 Acq: 19 Jan 2017 20:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	20.3	30.5
277	24.6	19.7	29.5





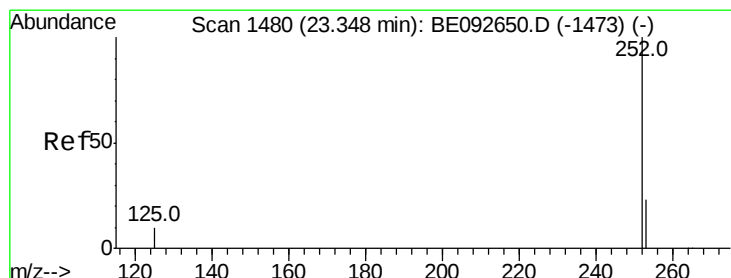
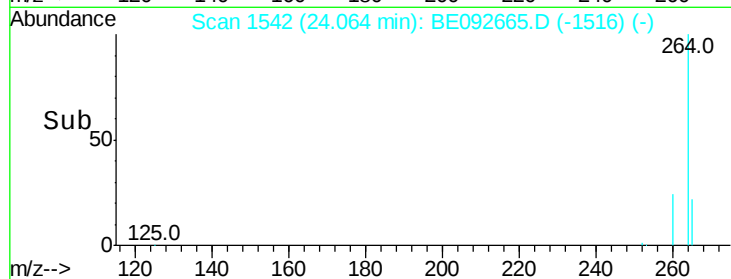
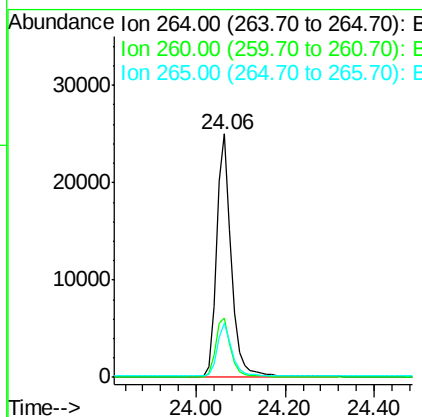
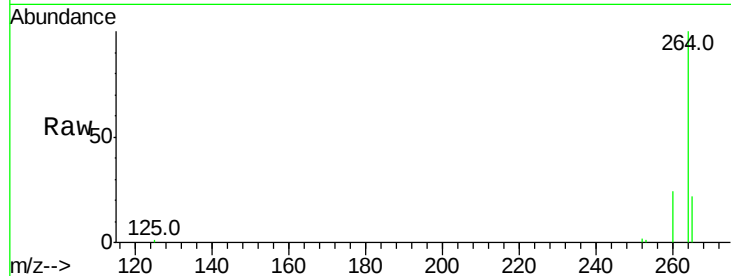
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.06 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

Instrument :
BNA_E
ClientSampleId :
PB96128BSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.1	30.1
265	22.3	17.9	26.9

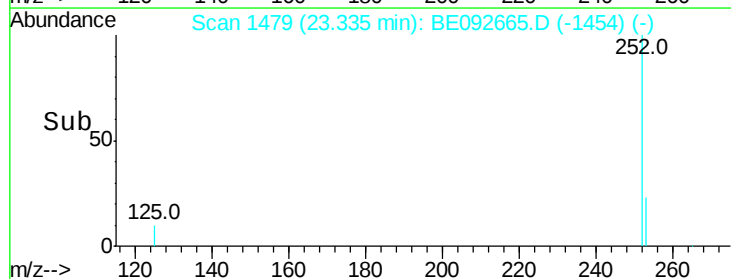
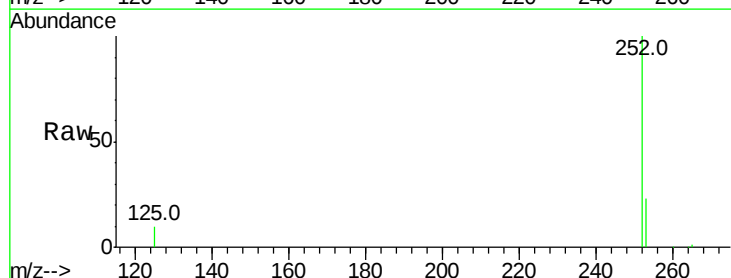
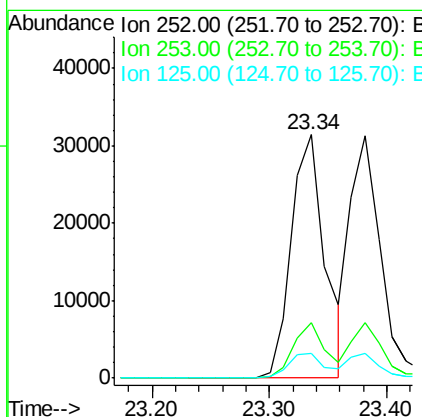
Manual Integrations
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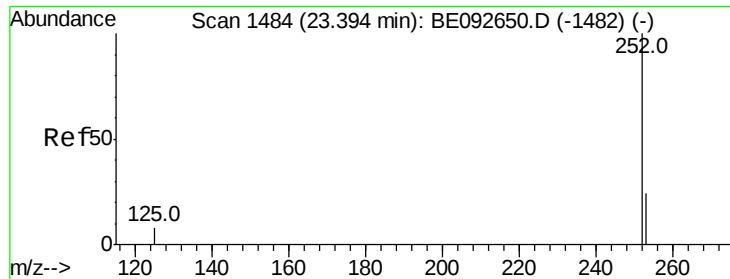
mohammad
1/20/2017 2:05:32 PM



#32
Benzo(b)fluoranthene
Concen: 4.50 ng
RT: 23.34 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.7	28.1
125	10.0	10.5	15.7#





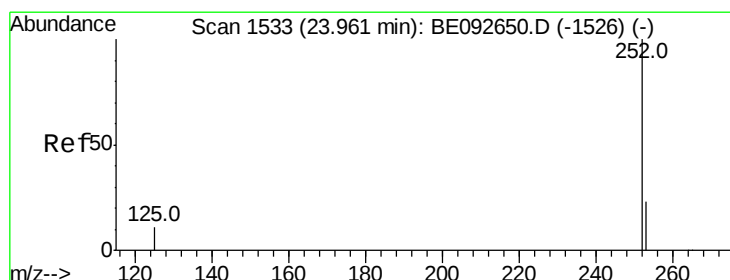
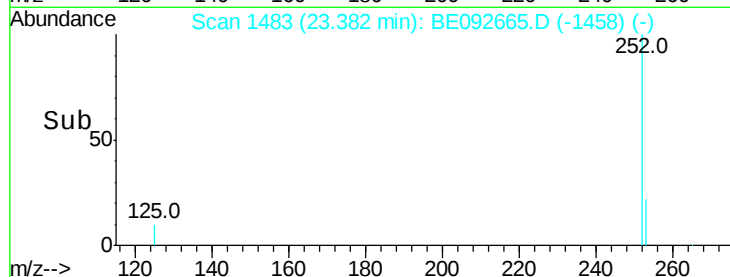
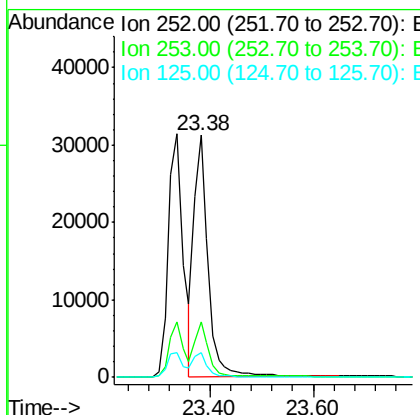
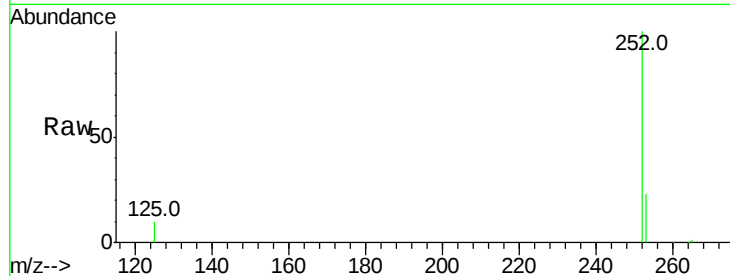
#33
Benzo(k)fluoranthene
Concen: 4.23 ng
RT: 23.38 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

Instrument :
BNA_E
ClientSampleId :
PB96128BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	20.3	30.5
125	10.3	9.6	14.4

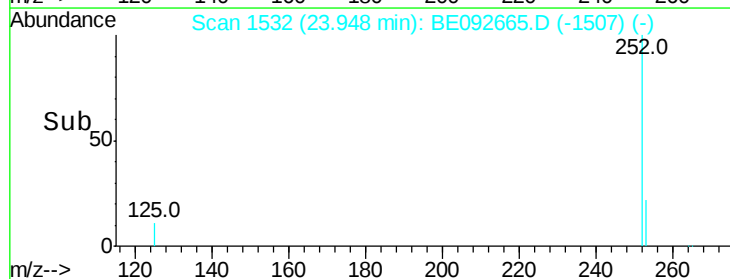
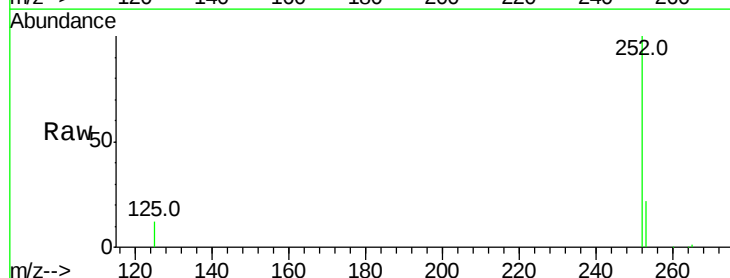
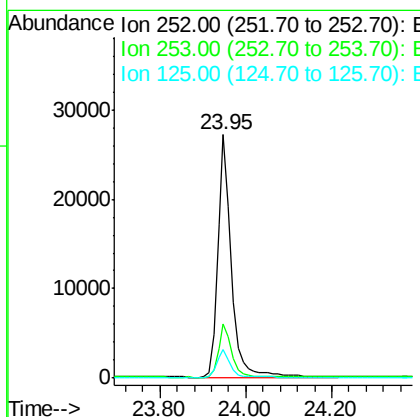
Manual Integrations
APPROVED

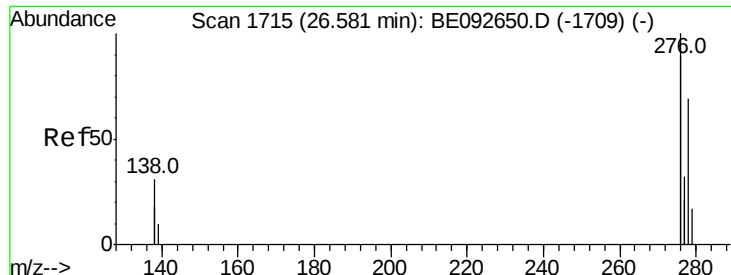
mohammad
1/20/2017 2:05:32 PM



#34
Benzo(a)pyrene
Concen: 4.65 ng
RT: 23.95 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.0	28.6
125	11.7	11.8	17.8





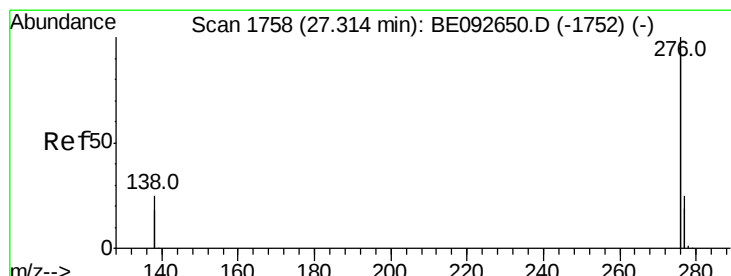
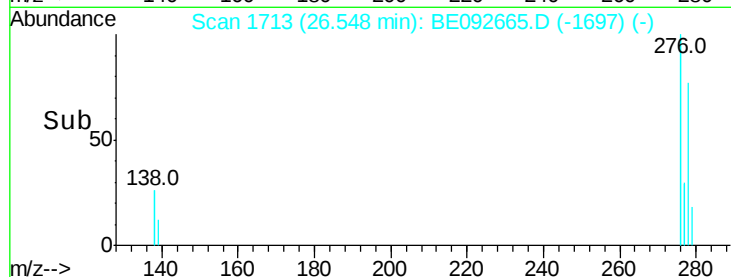
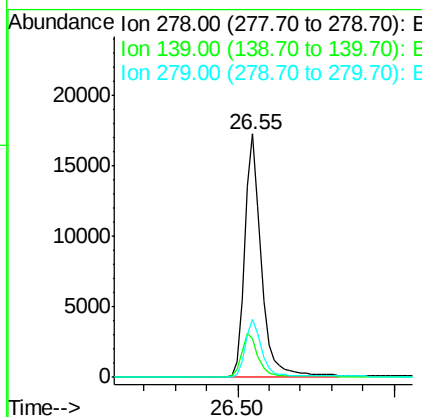
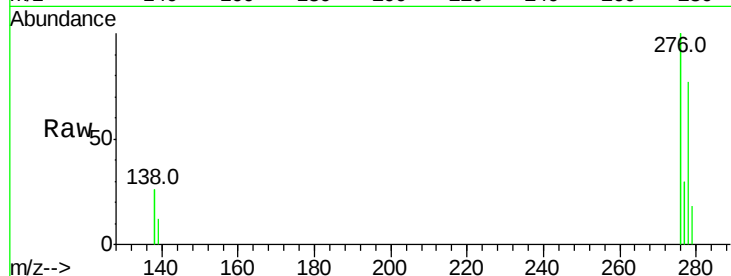
#35
Dibenzo(a,h)anthracene
Concen: 4.96 ng
RT: 26.55 min Scan# 1713
Delta R.T. -0.03 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

Instrument :
BNA_E
ClientSampleId :
PB96128BSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.8	13.8	20.8
279	23.8	21.4	32.2

Manual Integrations
APPROVED

mohammad
1/20/2017 2:05:32 PM



#36
Benzo(g,h,i)perylene
Concen: 4.90 ng
RT: 27.28 min Scan# 1756
Delta R.T. -0.03 min
Lab File: BE092665.D
Acq: 19 Jan 2017 20:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.8	29.8
138	24.8	19.8	29.6

