

Data Path : Z:\HPCHEM1\BNA E\DATA\BE011917\
 Data File : BE092664.D
 Acq On : 19 Jan 2017 19:25
 Operator : UM/SJ
 Sample : PB96128BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB96128BS

Manual Integrations
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Quant Time: Jan 20 02:13:39 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	7951	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	35313	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	21164	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	45433	5.00	ng	0.00
24) Chrysene-d12	21.72	240	45081	5.00	ng	0.00
31) Perylene-d12	24.06	264	55992	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.64	112	16744	9.43	ng	-0.01
5) Phenol-d6	7.31	99	20802	9.56	ng	-0.02
8) Nitrobenzene-d5	9.29	82	10675	4.66	ng	-0.04
13) 2,4,6-Tribromophenol	16.27	330	5449	8.71	ng	-0.02
14) 2-Fluorobiphenyl	13.40	172	22756	4.37	ng	-0.02
26) Terphenyl-d14	20.14	244	28627	4.49	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	4285	4.00	ng	# 59
3) n-Nitrosodimethylamine	3.73	42	6437	4.49	ng	# 93
6) bis(2-Chloroethyl)ether	7.54	93	10091	4.37	ng	94
9) Naphthalene	10.95	128	30622	4.15	ng	# 95
10) Hexachlorobutadiene	11.24	225	4525	4.15	ng	99
11) 2-Methylnaphthalene	12.59	142	19605	4.28	ng	95
15) Acenaphthylene	14.49	152	129281	4.43	ng	100
16) Acenaphthene	14.85	154	19206	4.11	ng	91
17) Fluorene	15.83	166	24940	4.25	ng	99
19) Hexachlorobenzene	16.87	284	6594m	4.44	ng	
20) Pentachlorophenol	17.21	266	5660	12.12	ng	# 87
21) Phenanthrene	17.58	178	41846	4.17	ng	95
22) Anthracene	17.67	178	41307	4.46	ng	99
23) Fluoranthene	19.58	202	193937	4.36	ng	99
25) Pyrene	19.93	202	204938	4.61	ng	100
27) Benzo(a)anthracene	21.70	228	204829	4.61	ng	# 72
28) Chrysene	21.75	228	218607m	4.38	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	30541	3.55	ng	# 70
30) Indeno(1,2,3-cd)pyrene	26.53	276	285119	5.28	ng	98
32) Benzo(b)fluoranthene	23.34	252	60354	4.46	ng	# 97
33) Benzo(k)fluoranthene	23.38	252	58772	4.32	ng	95
34) Benzo(a)pyrene	23.95	252	58831	4.63	ng	# 94
35) Dibenzo(a,h)anthracene	26.55	278	59299	4.76	ng	95
36) Benzo(g,h,i)perylene	27.28	276	256963	4.88	ng	98

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

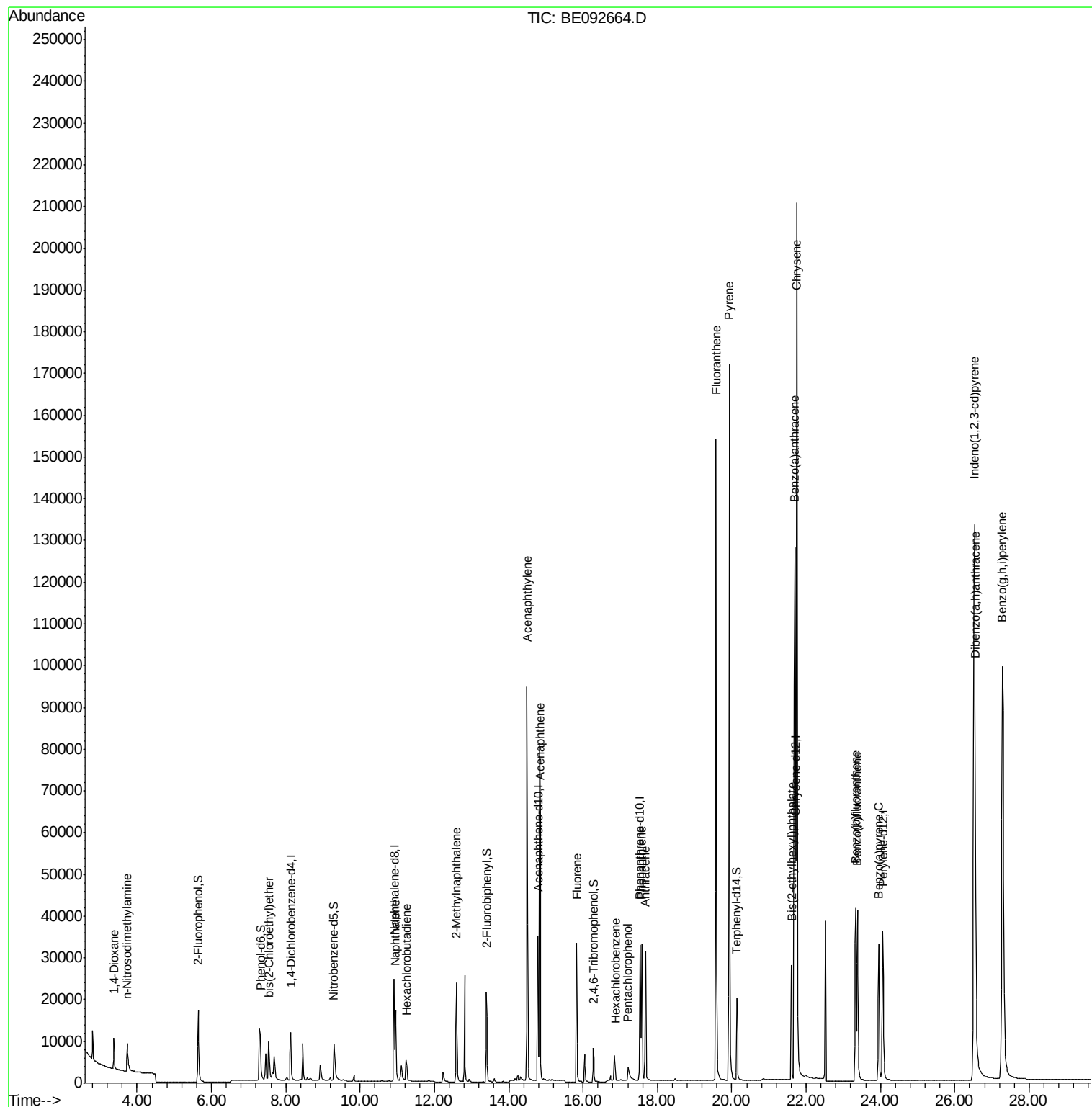
Data Path : Z:\HPCHEM1\BNA E\DATA\BE011917\
Data File : BE092664.D
Acq On : 19 Jan 2017 19:25
Operator : UM/SJ
Sample : PB96128BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

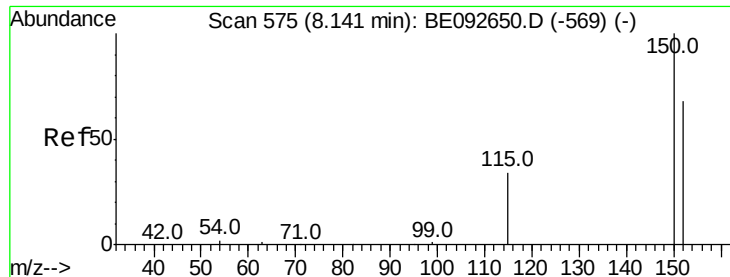
Instrument :
BNA_E
ClientSampleId :
PB96128BS

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Quant Time: Jan 20 02:13:39 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: BE092664.D

Acq: 19 Jan 2017 19:25

Instrument :

BNA_E

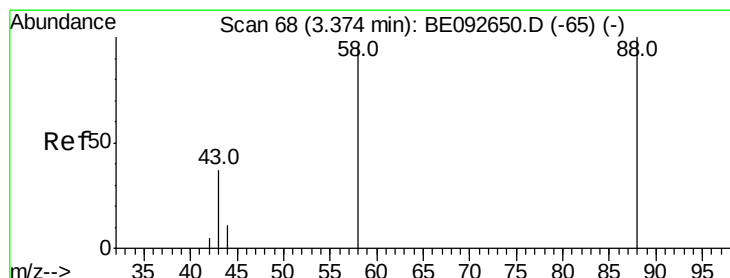
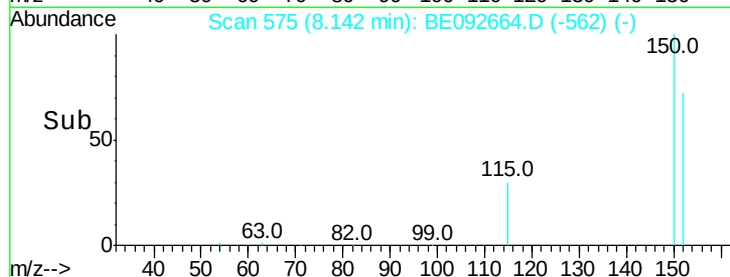
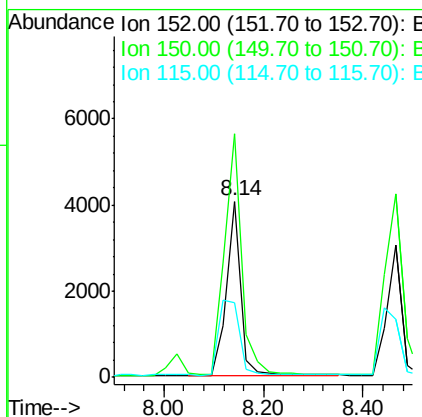
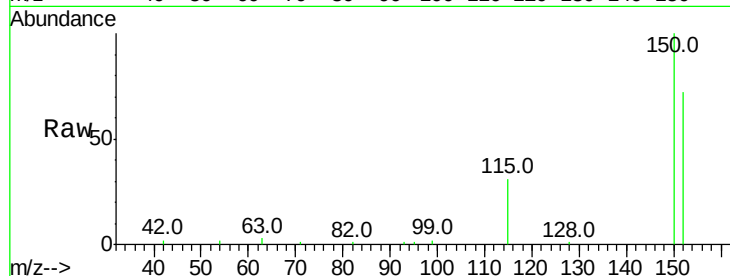
ClientSampleId :

PB96128BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	138.5	106.0	159.0
115	42.5	31.2	46.8

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#2

1,4-Dioxane

Concen: 4.00 ng

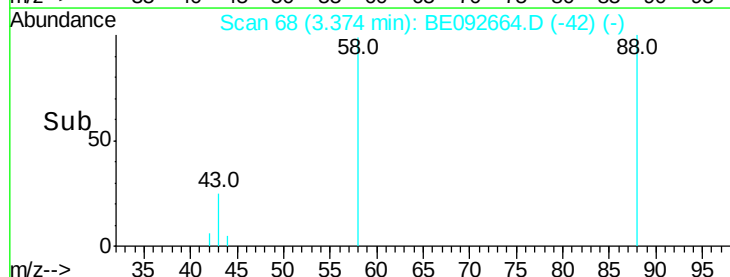
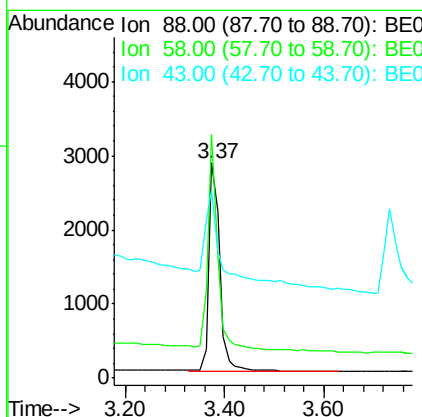
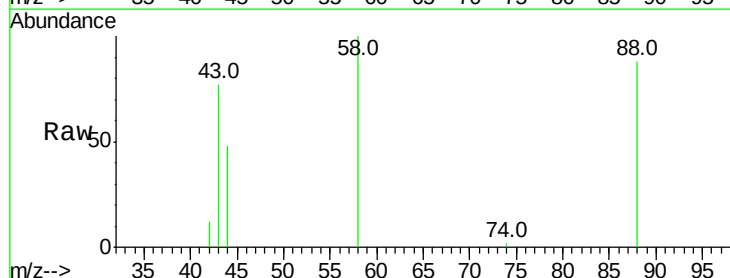
RT: 3.37 min Scan# 68

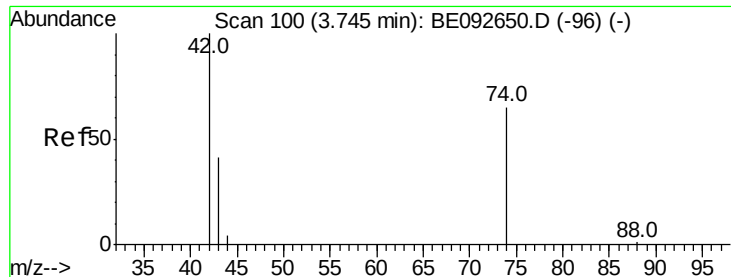
Delta R.T. 0.00 min

Lab File: BE092664.D

Acq: 19 Jan 2017 19:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	100.3	63.6	95.4#
43	80.8	28.0	42.0#





#3

n-Nitrosodimethylamine

Concen: 4.49 ng

RT: 3.73 min Scan# 99

Delta R.T. -0.01 min

Lab File: BE092664.D

Acq: 19 Jan 2017 19:25

Instrument :

BNA_E

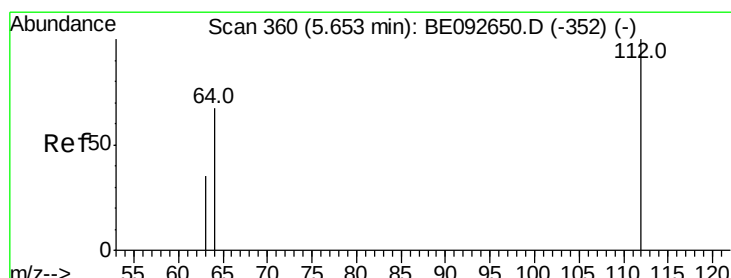
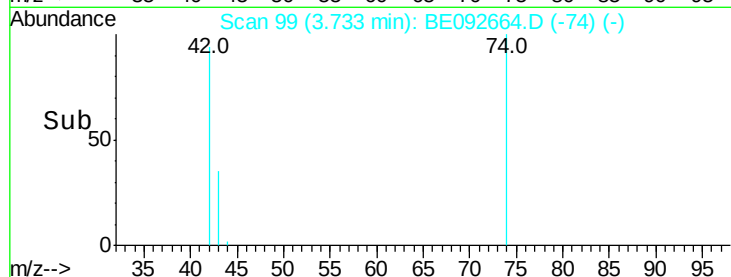
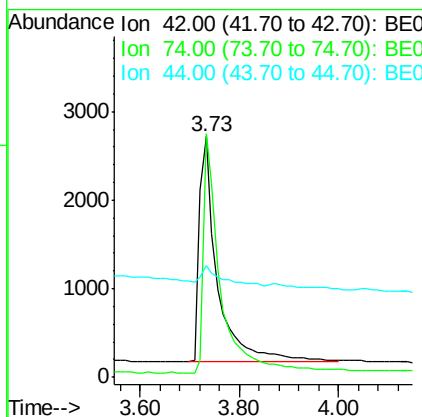
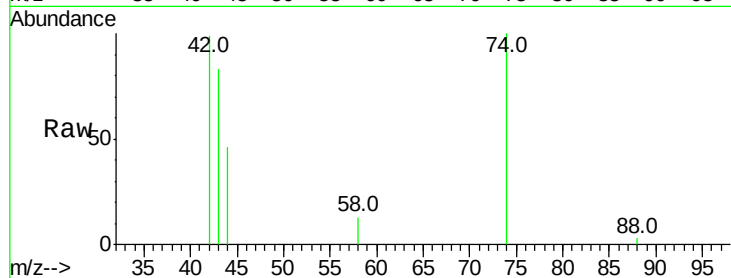
ClientSampleId :

PB96128BS

Tot Ion:	42	Resp:	6437
Ion Ratio	Lower	Upper	
42	100		
74	100.2	86.0	129.0
44	9.1	5.1	7.7#

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#4

2-Fluorophenol

Concen: 9.43 ng

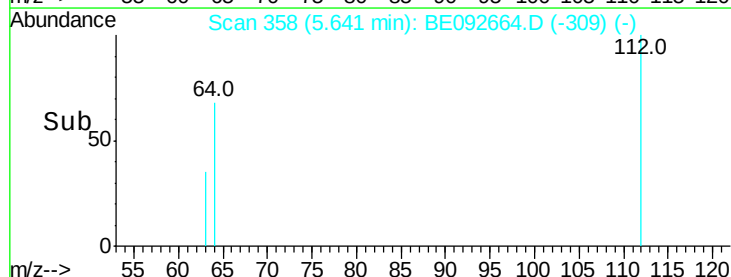
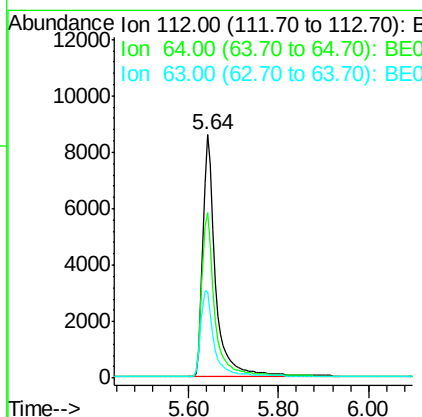
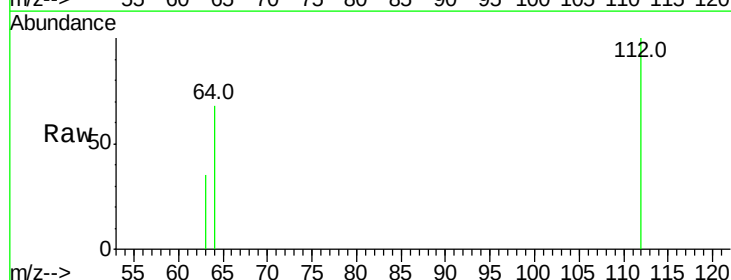
RT: 5.64 min Scan# 358

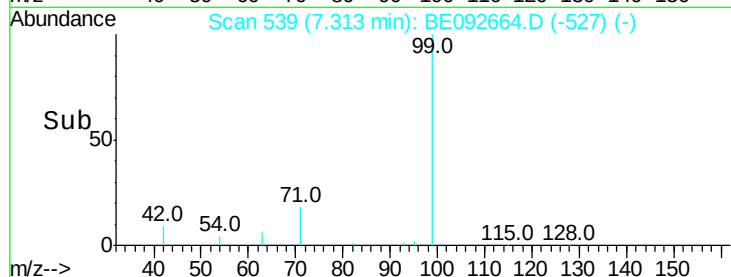
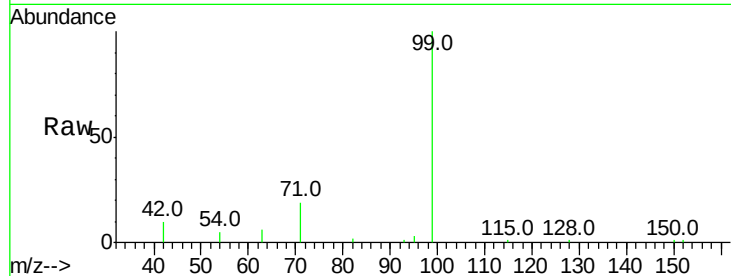
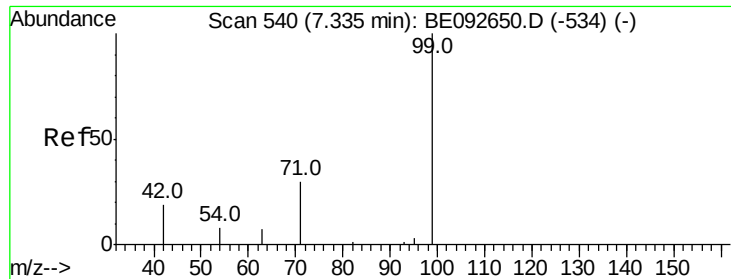
Delta R.T. -0.01 min

Lab File: BE092664.D

Acq: 19 Jan 2017 19:25

Tgt Ion:	112	Resp:	16744
Ion Ratio	Lower	Upper	
112	100		
64	68.6	53.5	80.3
63	36.8	27.9	41.9





#5

Phenol-d6

Concen: 9.56 ng

RT: 7.31 min Scan# 539

Delta R.T. -0.02 min

Lab File: BE092664.D

Acq: 19 Jan 2017 19:25

Tot Ion:	99	Resp:	20802
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

Instrument :

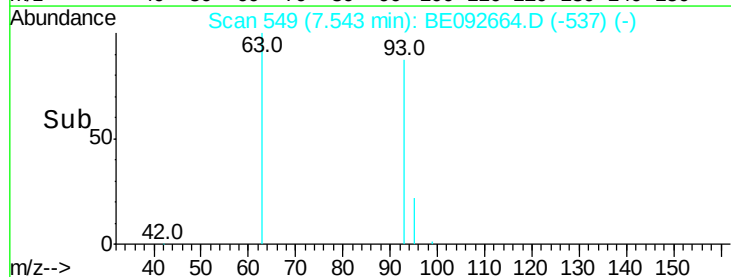
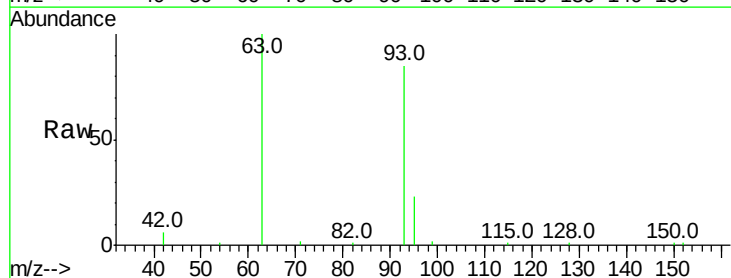
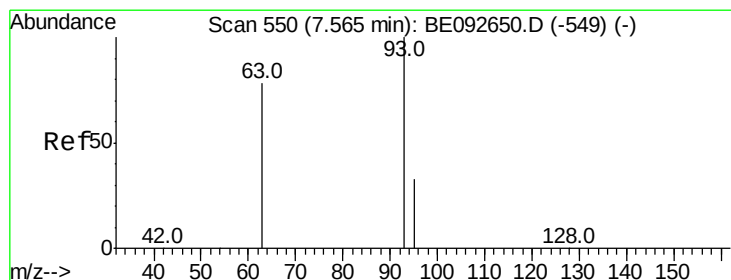
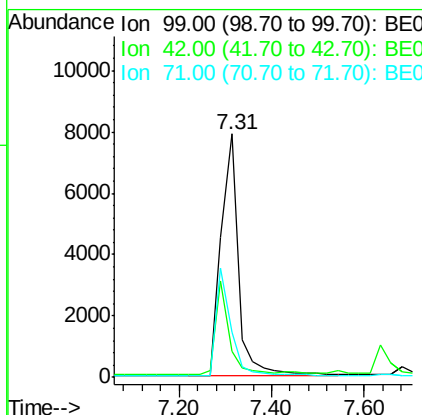
BNA_E

ClientSampled :

PB96128BS

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#6

bis(2-Chloroethyl)ether

Concen: 4.37 ng

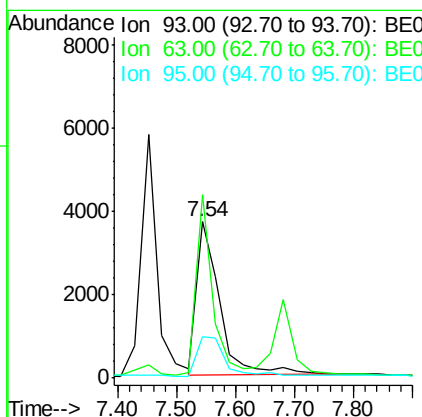
RT: 7.54 min Scan# 549

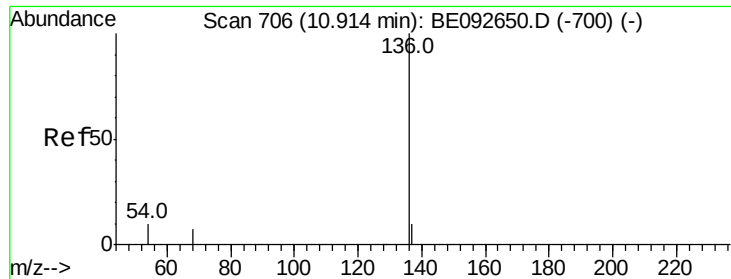
Delta R.T. -0.02 min

Lab File: BE092664.D

Acq: 19 Jan 2017 19:25

Tgt Ion:	93	Resp:	10091
Ion Ratio	Lower	Upper	
93	100		
63	82.7	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: BE092664.D

Acq: 19 Jan 2017 19:25

Instrument :

BNA_E

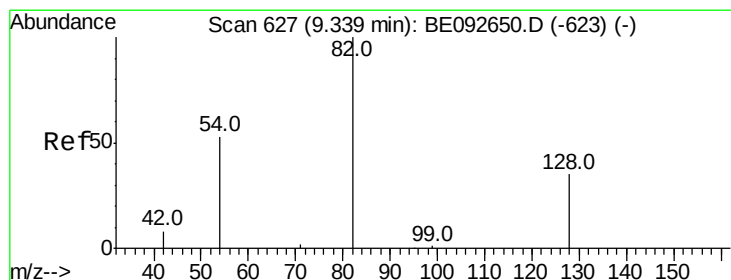
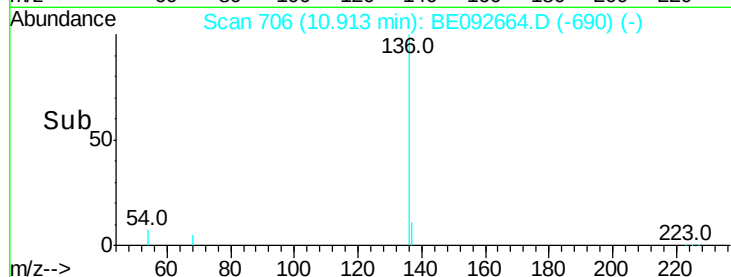
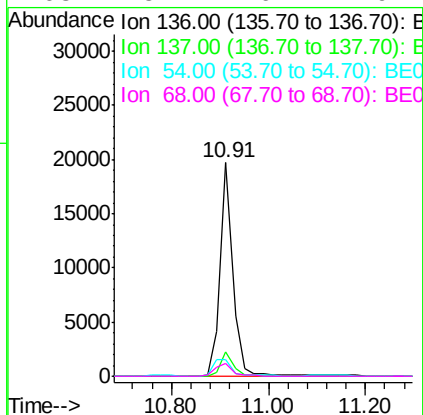
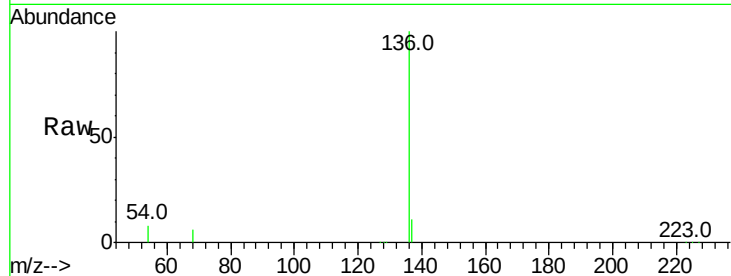
ClientSampleId :

PB96128BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.2	12.4	
54	7.7	9.6	14.4	
68	5.7	6.7	10.1	

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#8

Nitrobenzene-d5

Concen: 4.66 ng

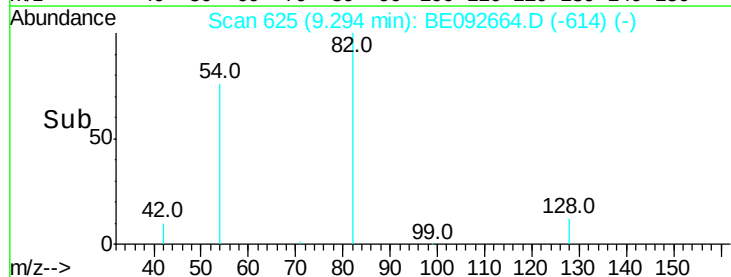
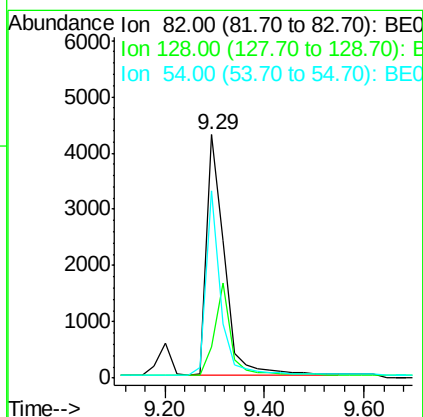
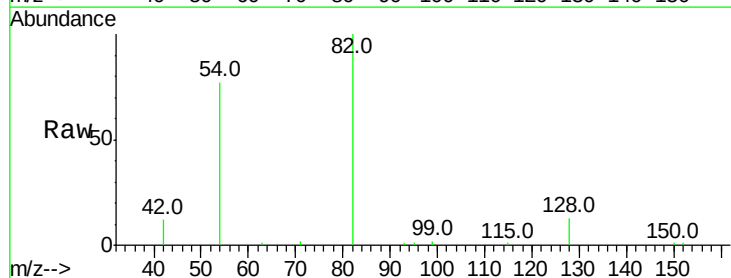
RT: 9.29 min Scan# 625

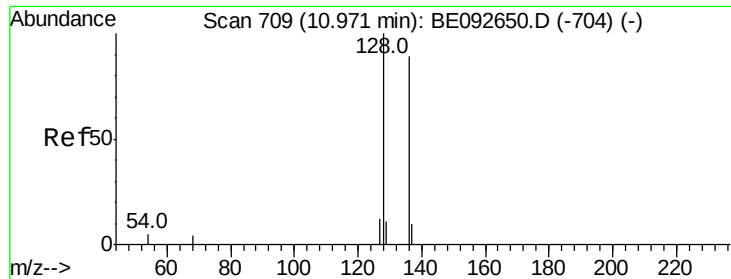
Delta R.T. -0.04 min

Lab File: BE092664.D

Acq: 19 Jan 2017 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	12.7	39.0	58.4	
54	76.9	44.8	67.2	





#9

Naphthalene

Concen: 4.15 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092664.D

Acq: 19 Jan 2017 19:25

Instrument :

BNA_E

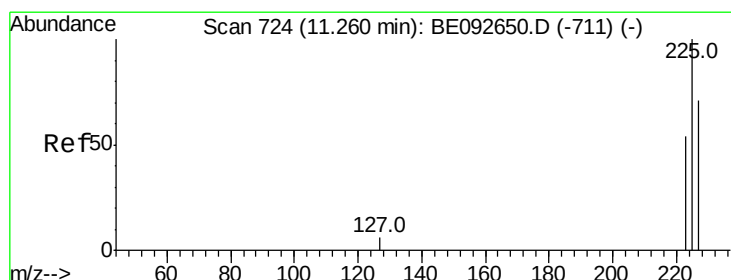
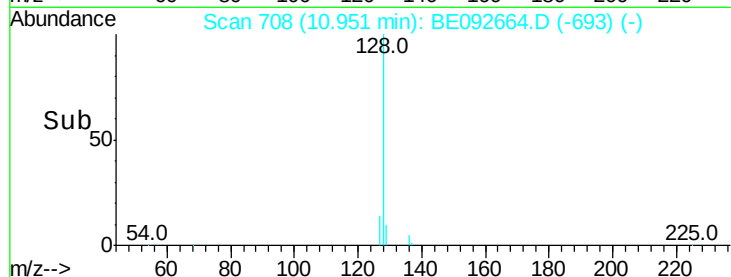
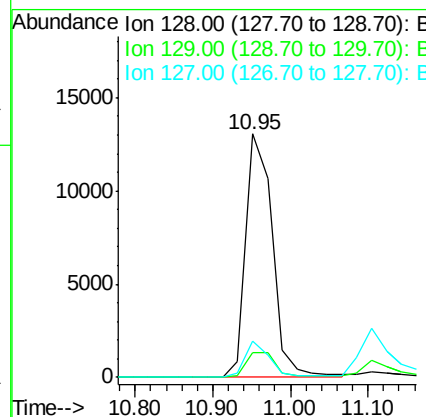
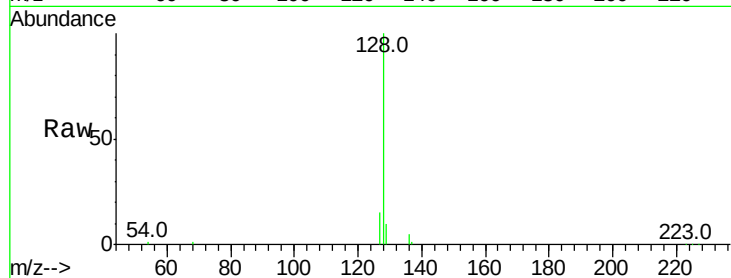
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
128	100		
129	10.2	11.2	16.8#
127	14.7	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 4.15 ng

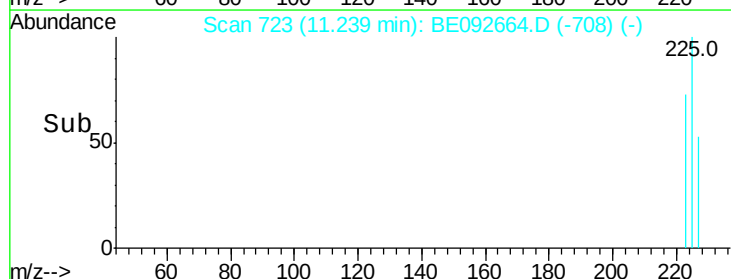
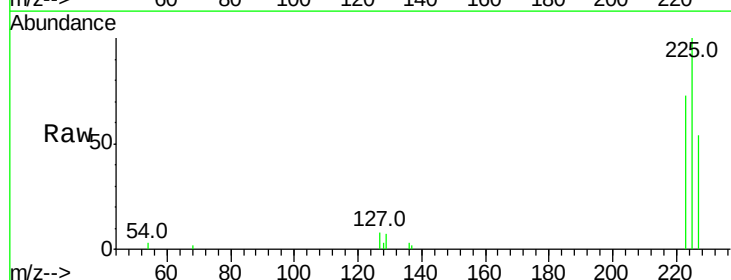
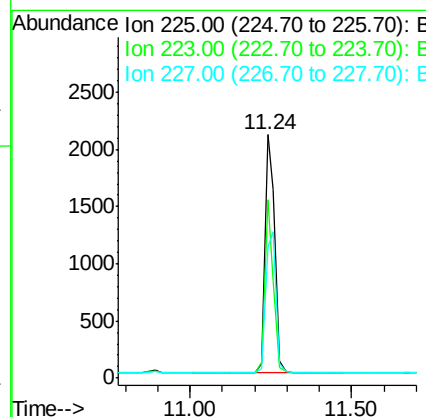
RT: 11.24 min Scan# 723

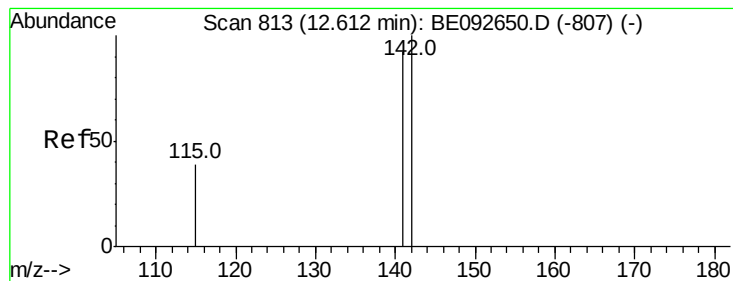
Delta R.T. -0.02 min

Lab File: BE092664.D

Acq: 19 Jan 2017 19:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.6	76.0
227	63.3	51.4	77.0





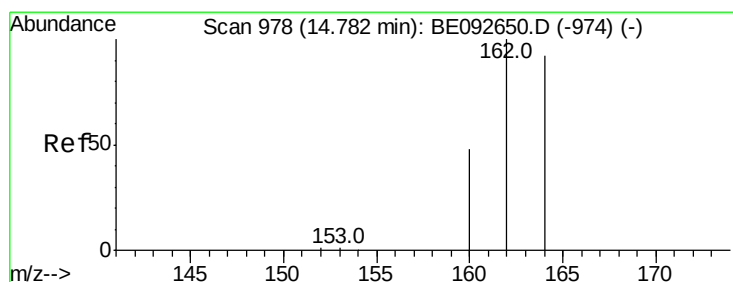
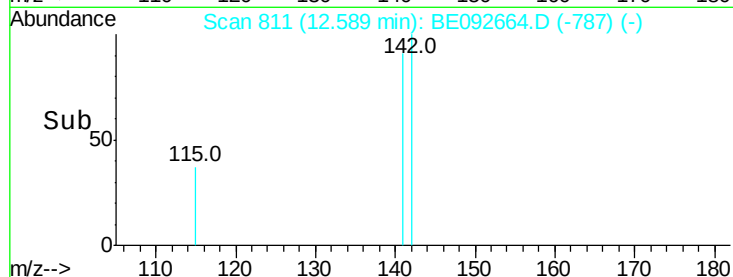
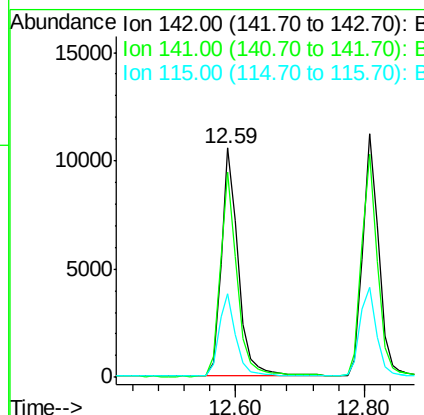
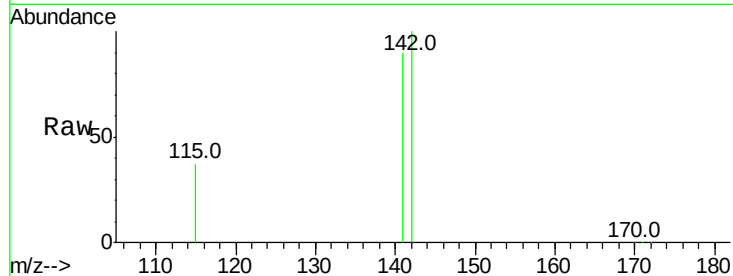
#11
2-Methylnaphthalene
Concen: 4.28 ng
RT: 12.59 min Scan# 811
Delta R.T. -0.02 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Instrument :
BNA_E
ClientSampleId :
PB96128BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	73.7	110.5
115	36.6	34.0	51.0

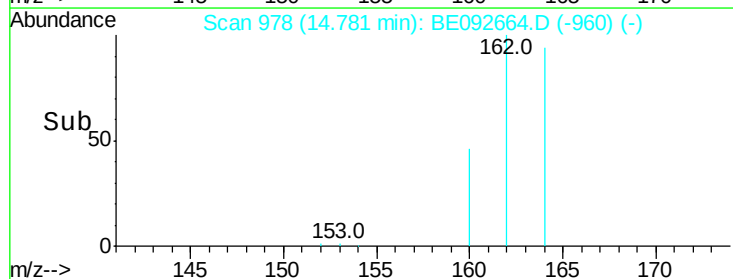
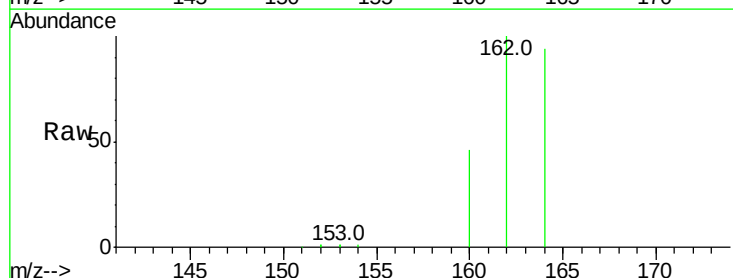
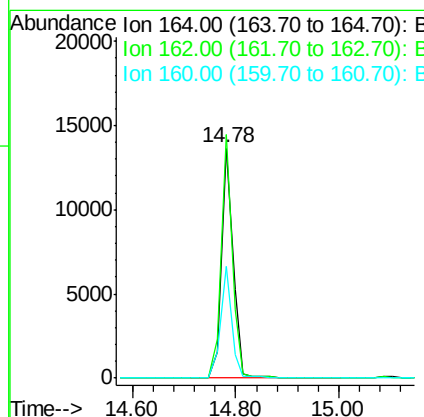
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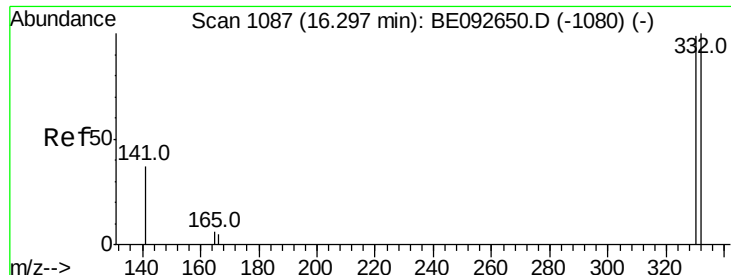
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 978
Delta R.T. -0.00 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	71.4	107.0
160	48.6	27.4	41.2





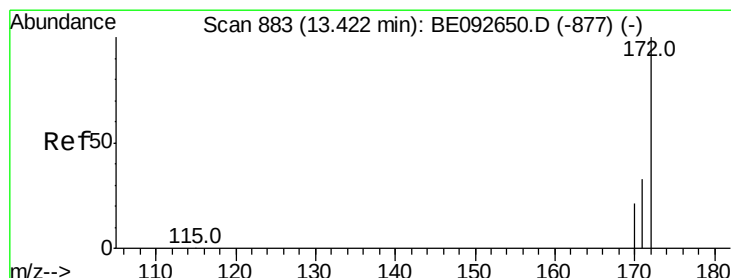
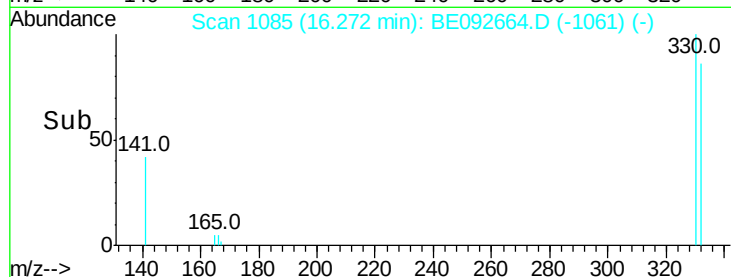
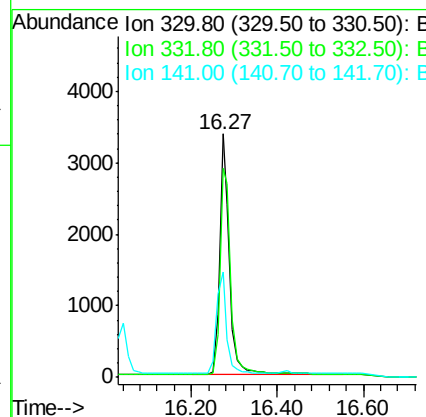
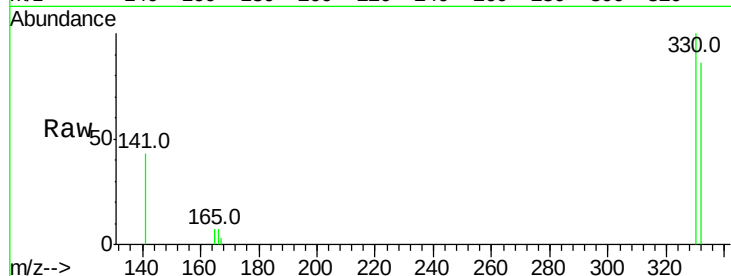
#13
 2,4,6-Tribromophenol
 Concen: 8.71 ng
 RT: 16.27 min Scan# 1085
 Delta R.T. -0.02 min
 Lab File: BE092664.D
 Acq: 19 Jan 2017 19:25

Instrument :
 BNA_E
 ClientSampleId :
 PB96128BS

Tot Ion:330 Resp: 5449
 Ion Ratio Lower Upper
 330 100
 332 96.1 75.4 113.0
 141 44.2 31.0 46.6

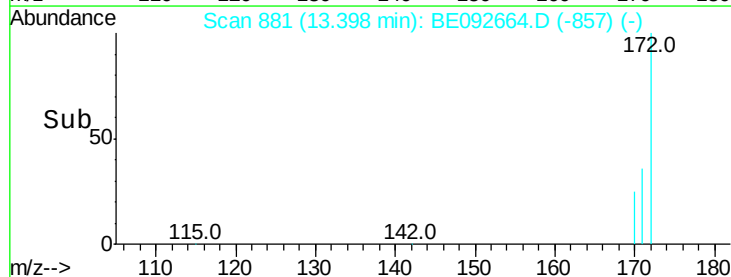
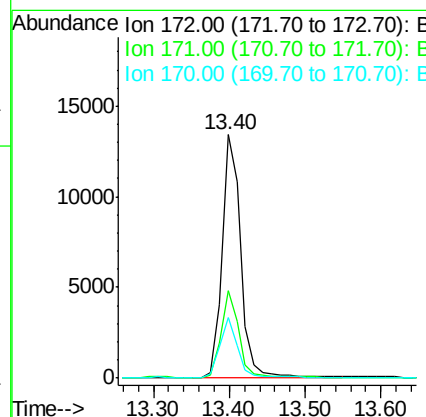
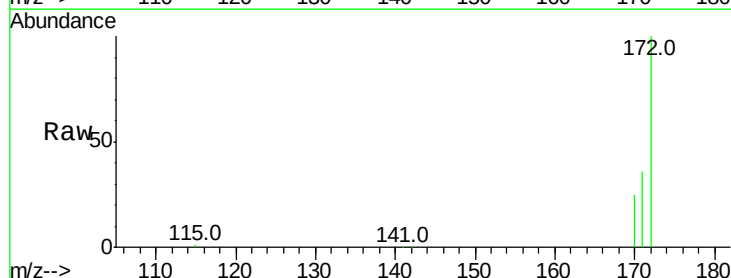
Manual Integrations
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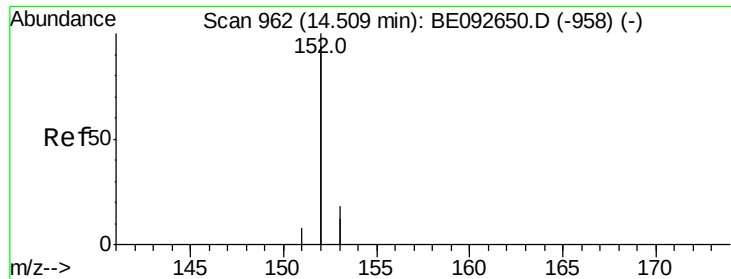
mohammad
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#14
 2-Fluorobiphenyl
 Concen: 4.37 ng
 RT: 13.40 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BE092664.D
 Acq: 19 Jan 2017 19:25

Tgt Ion:172 Resp: 22756
 Ion Ratio Lower Upper
 172 100
 171 35.9 30.1 45.1
 170 25.1 21.8 32.6





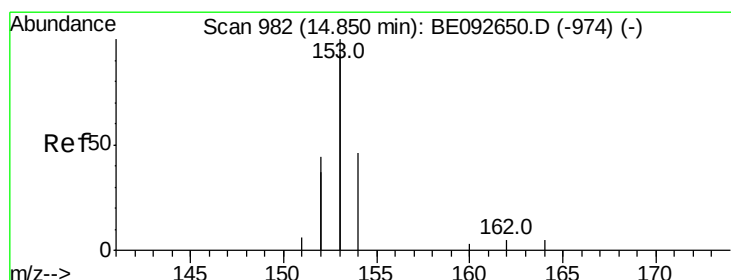
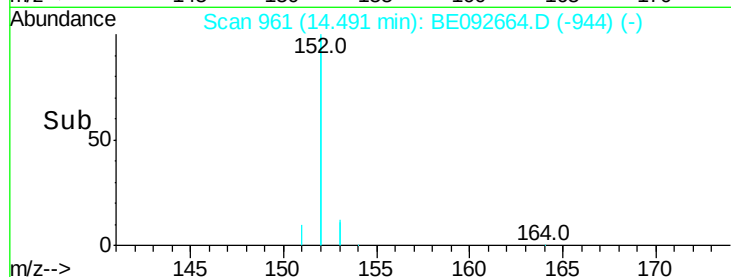
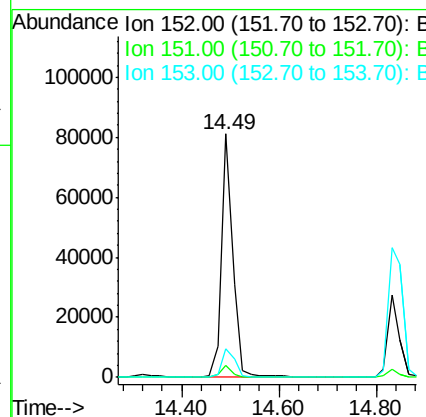
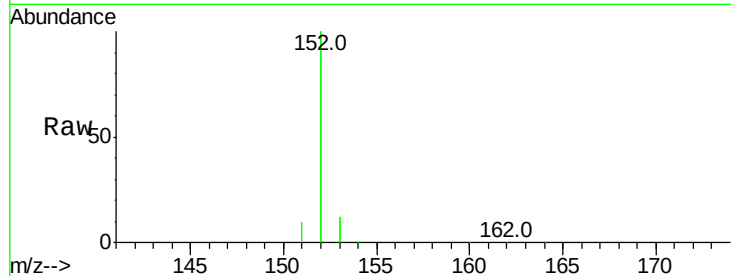
#15
Acenaphthylene
Concen: 4.43 ng
RT: 14.49 min Scan# 961
Delta R.T. -0.02 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Instrument :
BNA_E
ClientSampleId :
PB96128BS

Tot Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	13.0	10.4	15.6

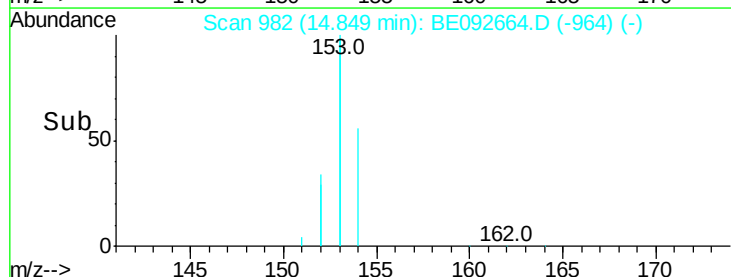
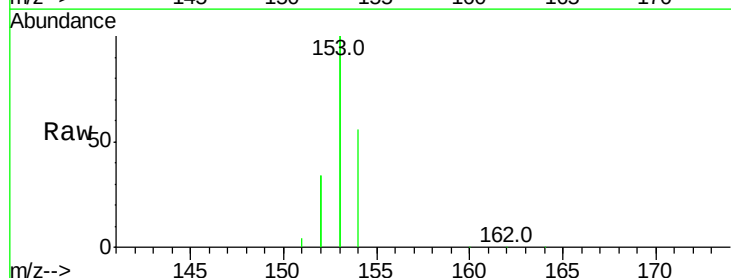
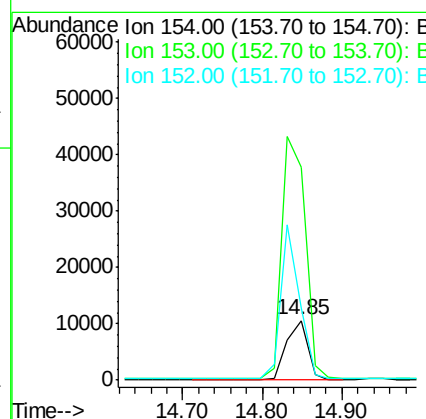
Manual Integrations
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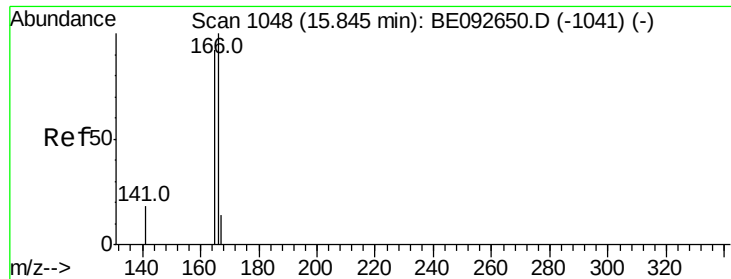
mohammad
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#16
Acenaphthene
Concen: 4.11 ng
RT: 14.85 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Tgt Ion	Ratio	Lower	Upper
154	100		
153	456.5	350.8	526.2
152	232.6	171.1	256.7





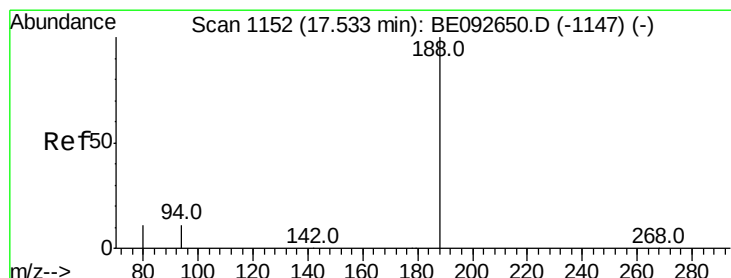
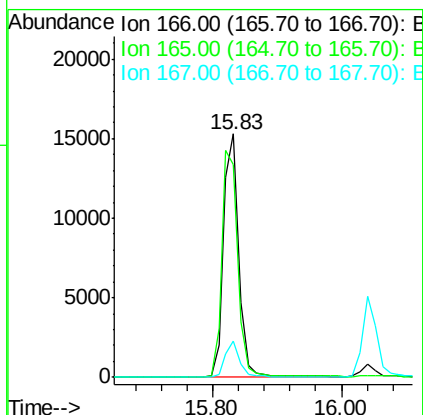
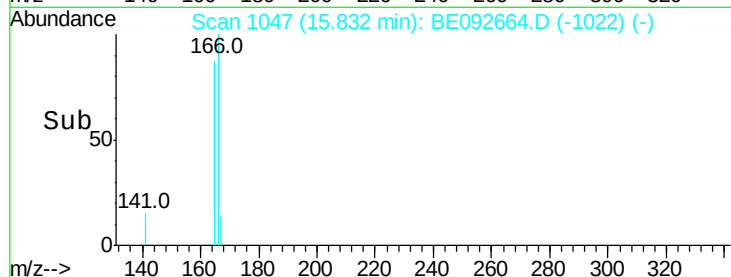
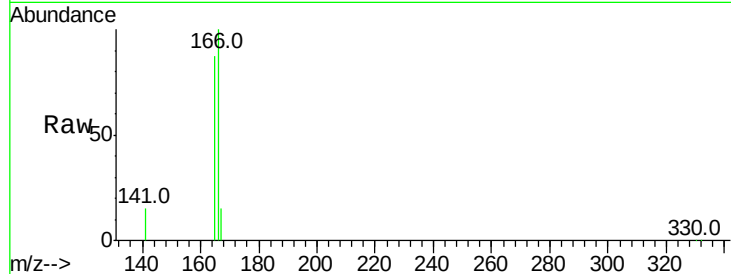
#17
Fluorene
Concen: 4.25 ng
RT: 15.83 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Instrument :
BNA_E
ClientSampleId :
PB96128BS

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.6	78.2	117.4
167	13.5	11.0	16.4

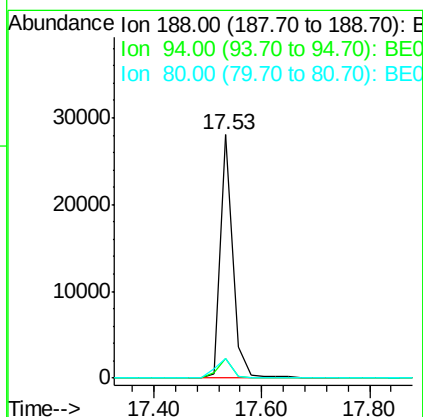
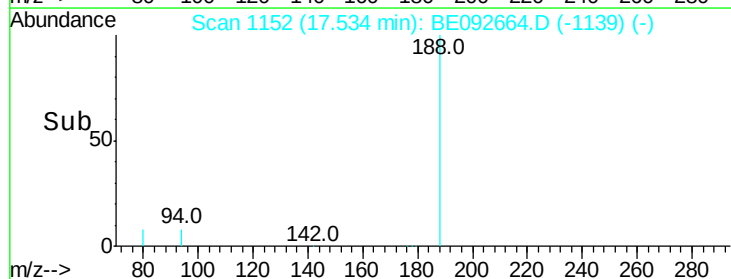
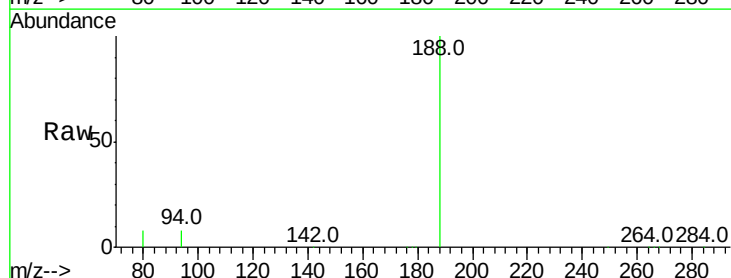
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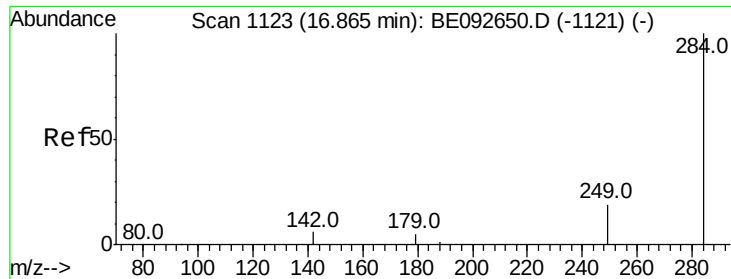
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#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	3.2	4.8#
80	7.9	2.6	3.8#





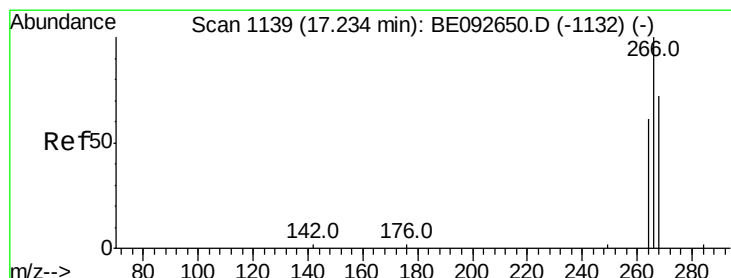
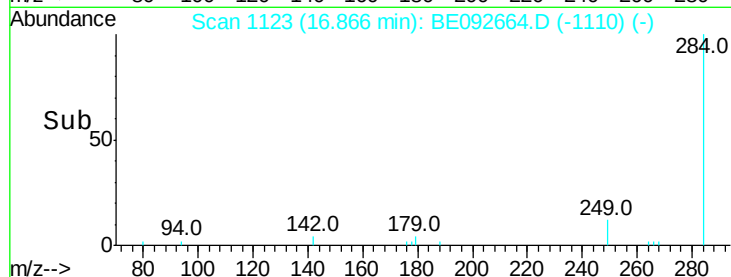
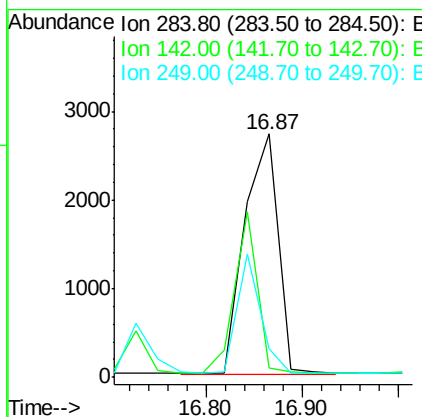
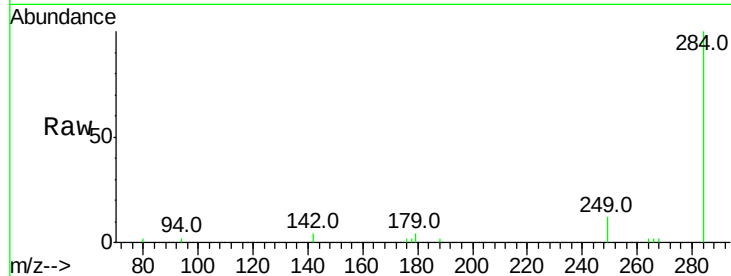
#19
Hexachlorobenzene
Concen: 4.44 ng/ml
RT: 16.87 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Instrument :
BNA_E
ClientSampleId :
PB96128BS

Tot Ion:	284	Resp:	6594
Ion Ratio	Lower	Upper	
284	100		
142	0.0	29.1	43.7#
249	0.0	27.9	41.9#

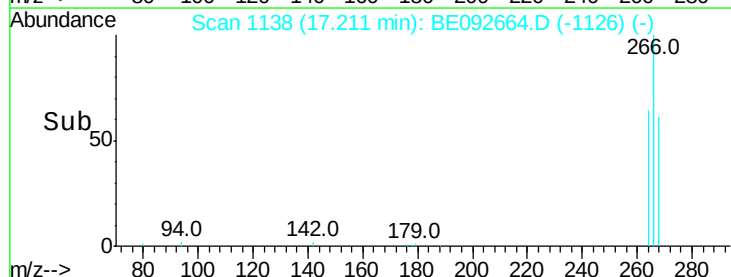
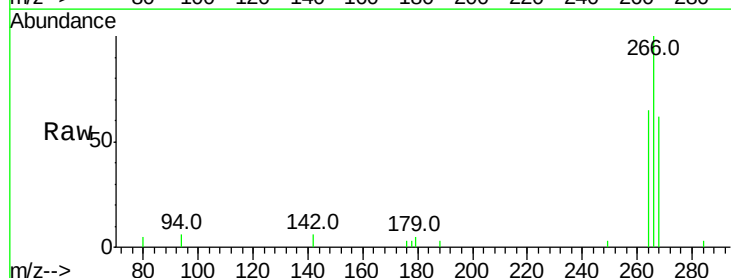
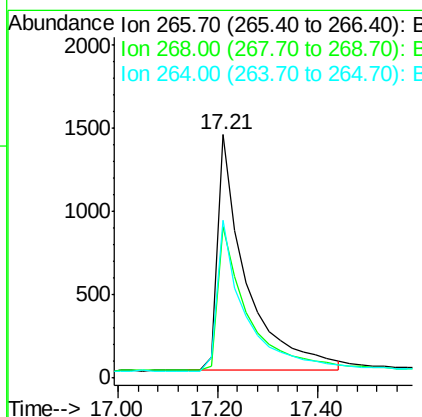
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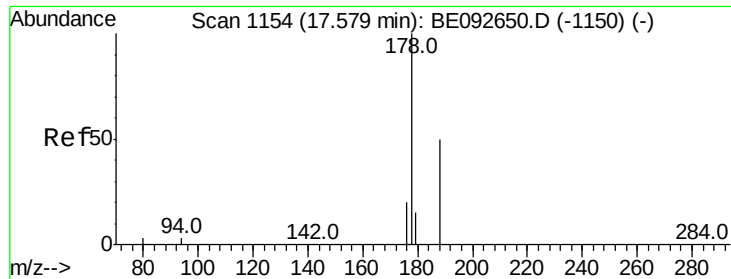
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#20
Pentachlorophenol
Concen: 12.12 ng/ml
RT: 17.21 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Tgt Ion:	266	Resp:	5660
Ion Ratio	Lower	Upper	
266	100		
268	62.4	62.5	93.7#
264	65.0	57.2	85.8





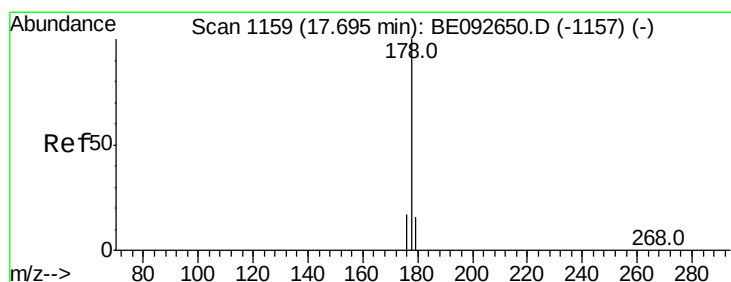
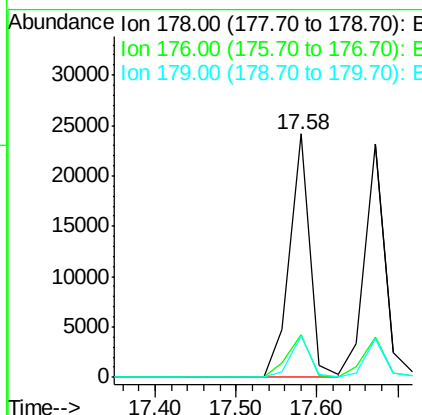
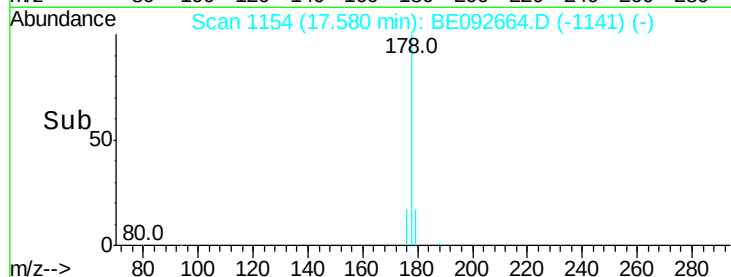
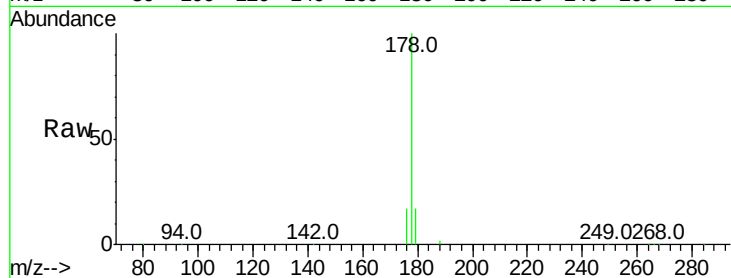
#21
Phenanthrene
Concen: 4.17 ng
RT: 17.58 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Instrument :
BNA_E
ClientSampleId :
PB96128BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.0	16.0	24.0

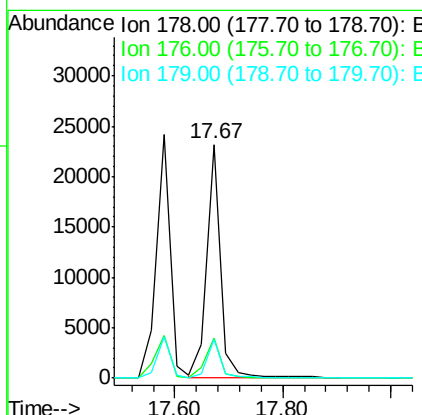
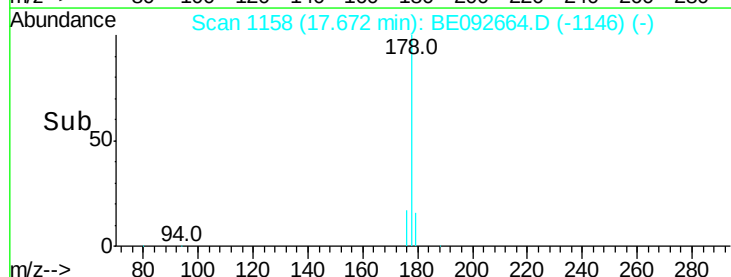
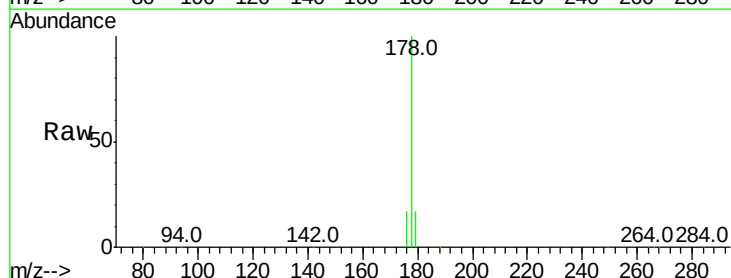
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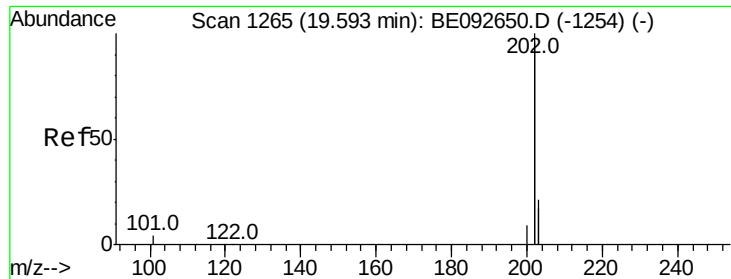
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#22
Anthracene
Concen: 4.46 ng
RT: 17.67 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	16.0	12.2	18.2





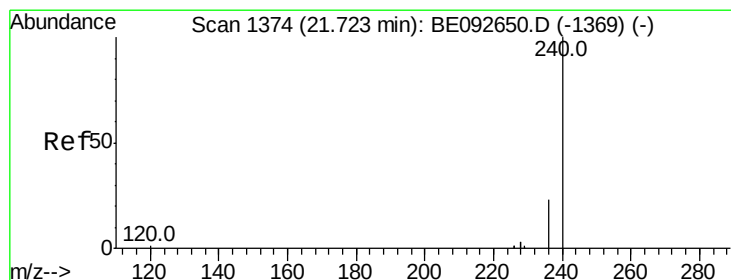
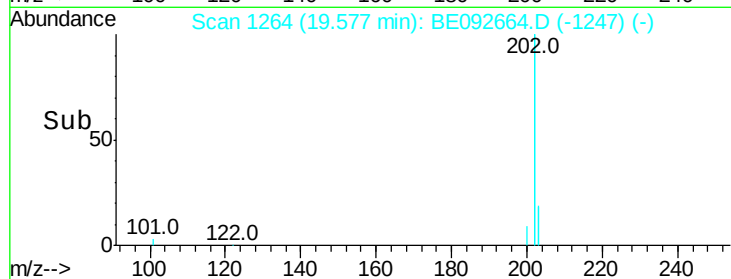
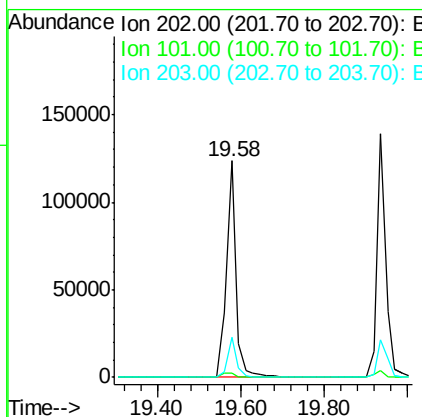
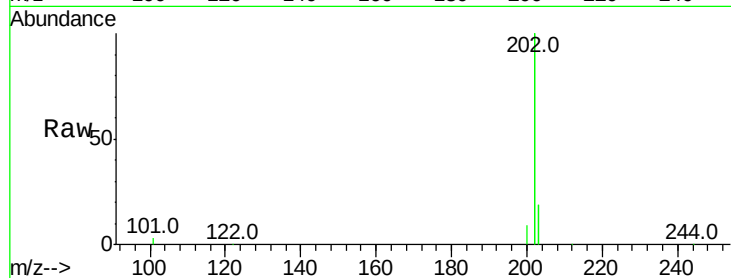
#23
 Fluoranthene
 Concen: 4.36 ng
 RT: 19.58 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BE092664.D
 Acq: 19 Jan 2017 19:25

Instrument :
 BNA_E
 ClientSampleId :
 PB96128BS

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.6	13.7	20.5

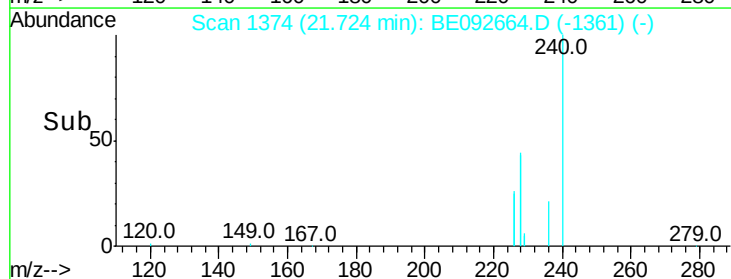
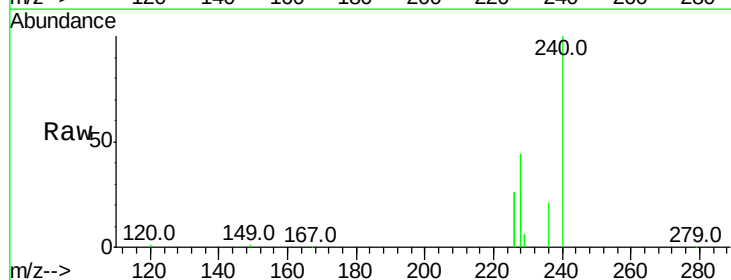
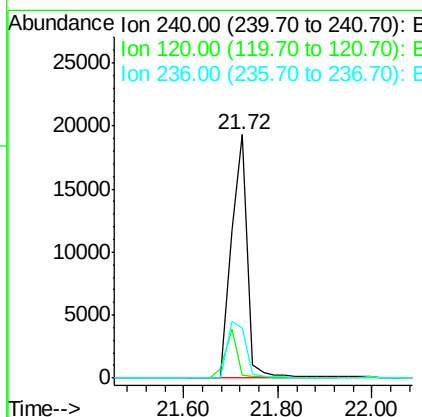
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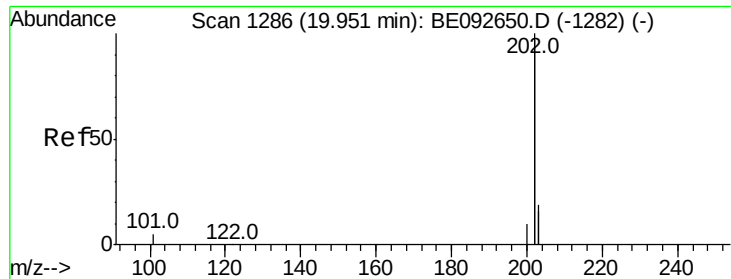
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#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.72 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: BE092664.D
 Acq: 19 Jan 2017 19:25

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	1.2	2.6	4.0#
236	20.7	24.6	37.0#





#25

Pvrene

Concen: 4.61 ng

RT: 19.93 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BE092664.D

Acq: 19 Jan 2017 19:25

Instrument :

BNA_E

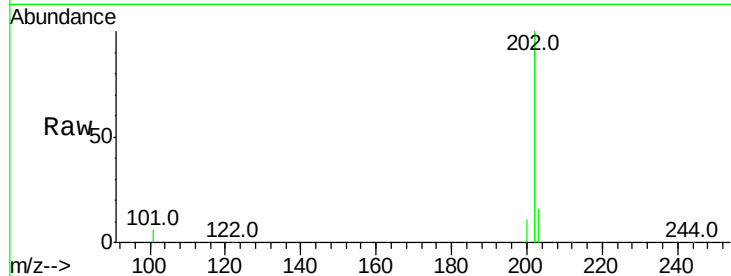
ClientSampleId :

PB96128BS

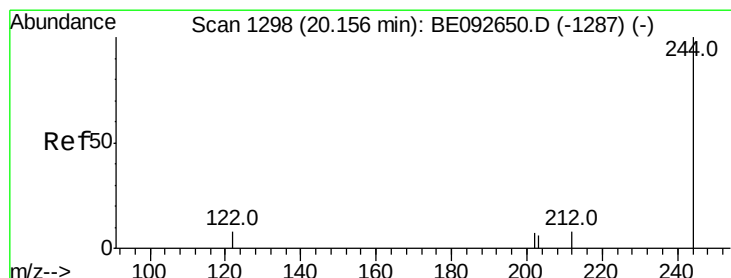
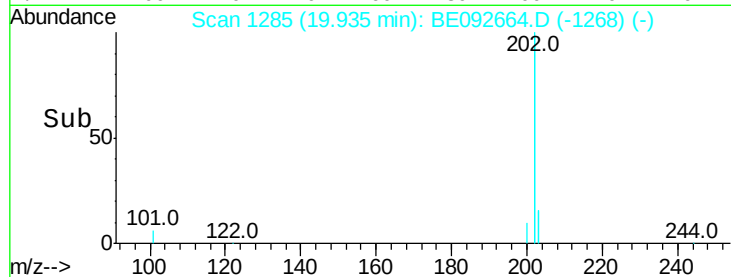
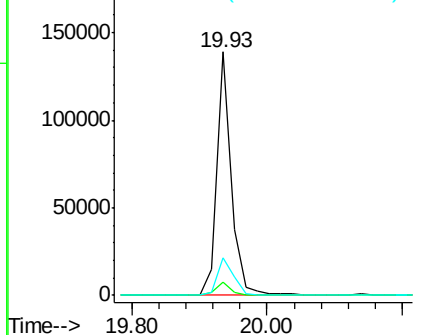
Tot Ion:	202	Resp:	204938
Ion Ratio	Lower	Upper	
202	100		
200	5.3	4.2	6.4
203	17.7	13.9	20.9

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



#26

Terphenyl-d14

Concen: 4.49 ng

RT: 20.14 min Scan# 1297

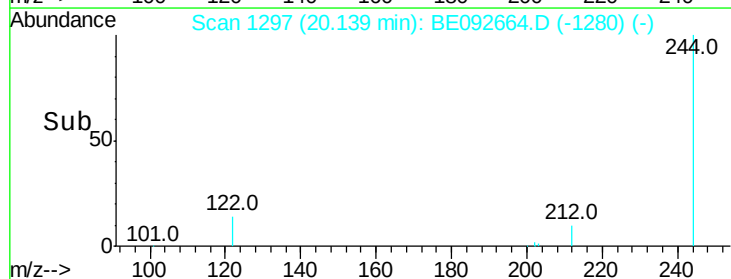
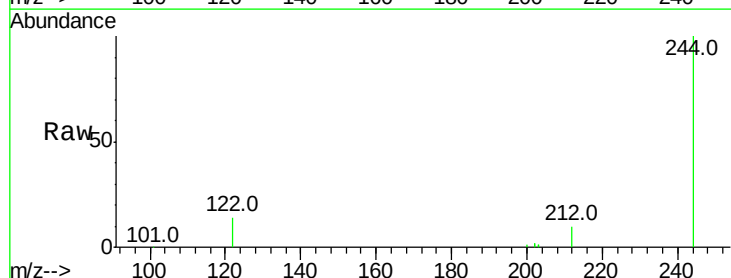
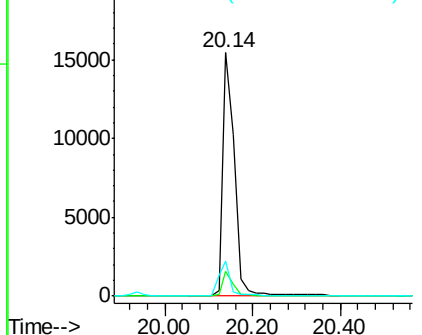
Delta R.T. -0.02 min

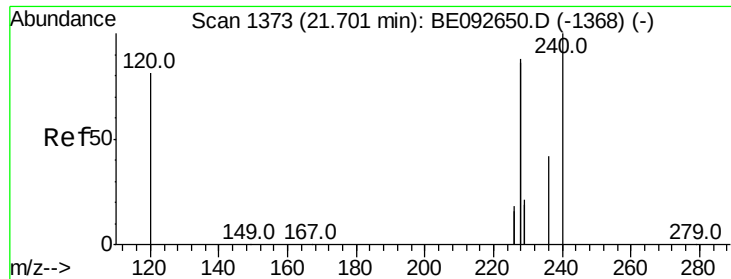
Lab File: BE092664.D

Acq: 19 Jan 2017 19:25

Tgt Ion:	244	Resp:	28627
Ion Ratio	Lower	Upper	
244	100		
212	10.3	6.7	10.1#
122	14.3	3.6	5.4#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#27

Benzo(a)anthracene

Concen: 4.61 ng

RT: 21.70 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE092664.D

Acq: 19 Jan 2017 19:25

Instrument :

BNA_E

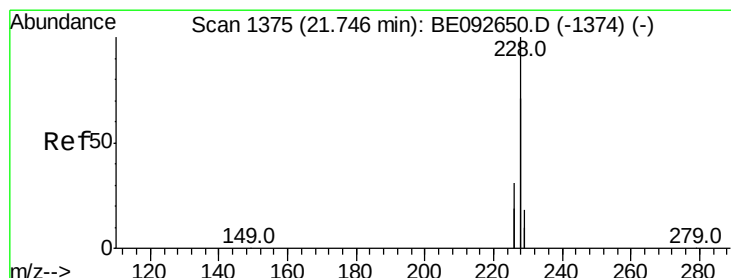
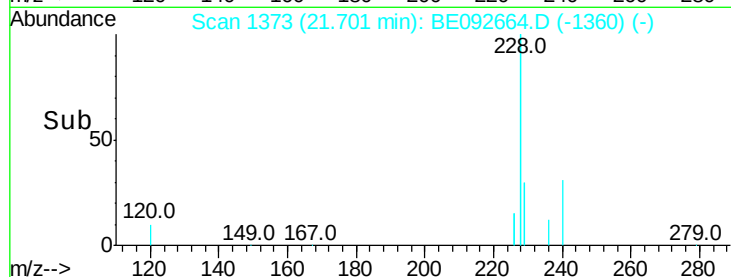
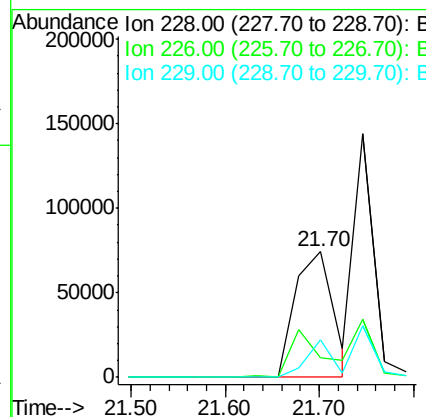
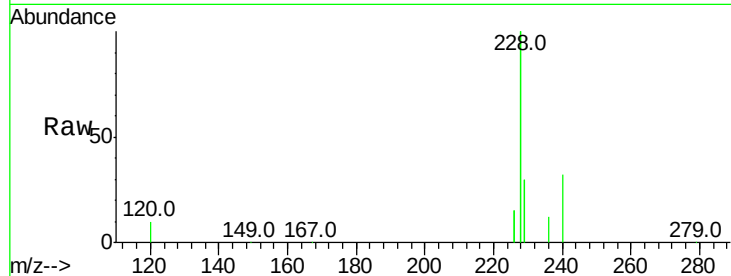
ClientSampleId :

PB96128BS

Tot Ion:	228	Resp:	204829
Ion Ratio	Lower	Upper	
228	100		
226	15.3	23.6	35.4#
229	30.1	13.3	19.9#

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#28

Chrysene

Concen: 4.38 ng m

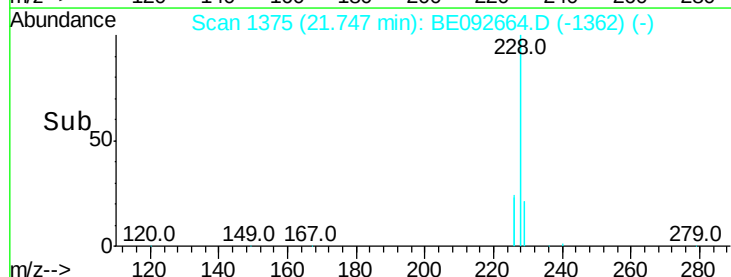
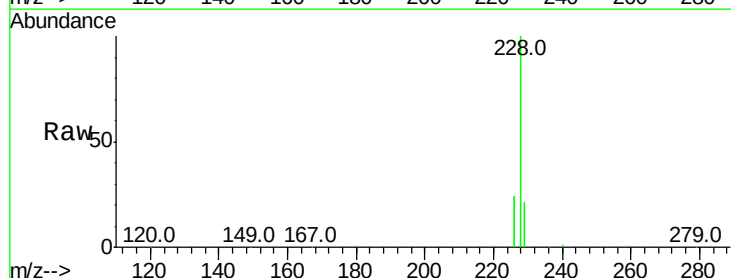
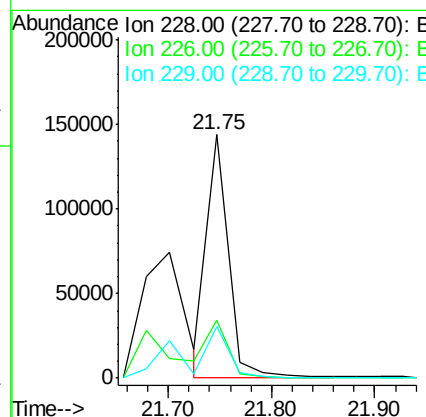
RT: 21.75 min Scan# 1375

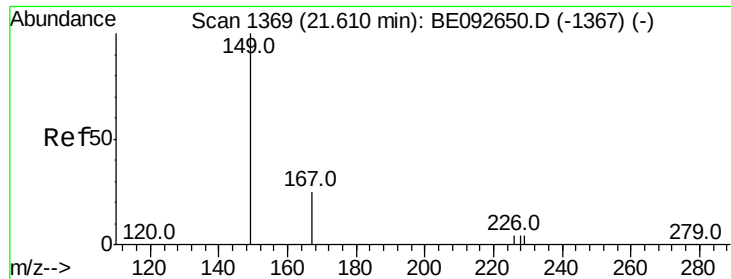
Delta R.T. 0.00 min

Lab File: BE092664.D

Acq: 19 Jan 2017 19:25

Tgt Ion:	228	Resp:	218607
Ion Ratio	Lower	Upper	
228	100		
226	23.8	36.3	54.5#
229	21.5	10.6	16.0#





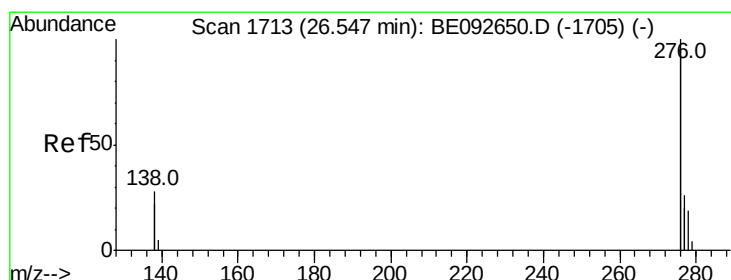
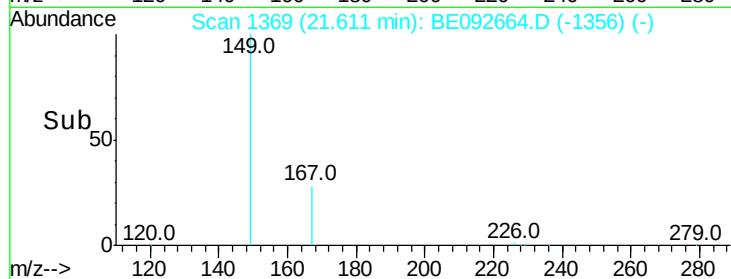
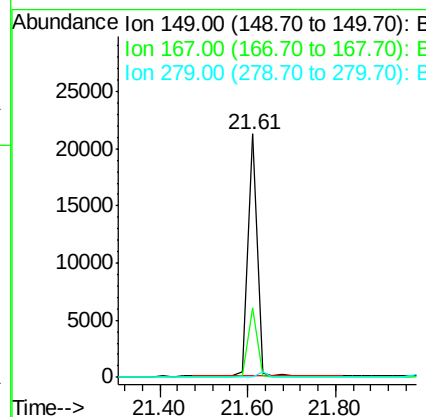
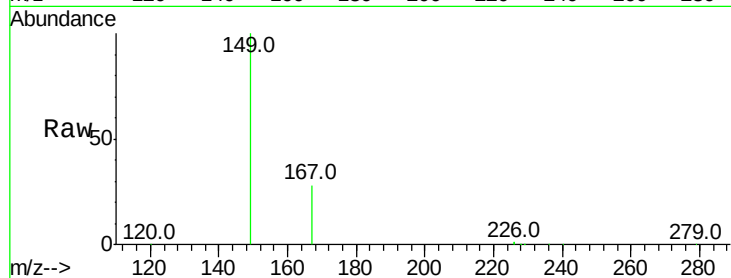
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 3.55 ng
 RT: 21.61 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: BE092664.D
 Acq: 19 Jan 2017 19:25

Instrument :
 BNA_E
 ClientSampleId :
 PB96128BS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	30541		
167	27.6	16.0	24.0#	
279	0.0	16.0	24.0#	

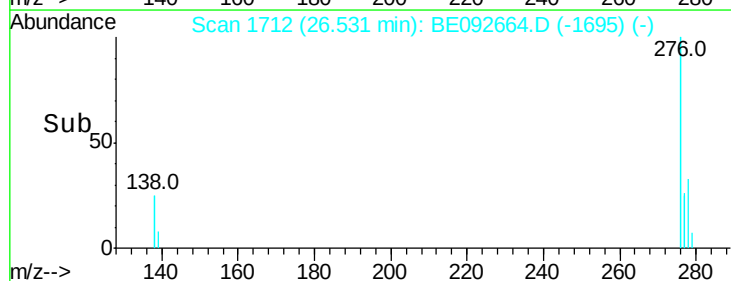
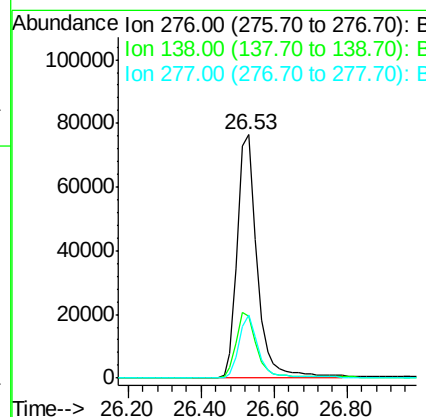
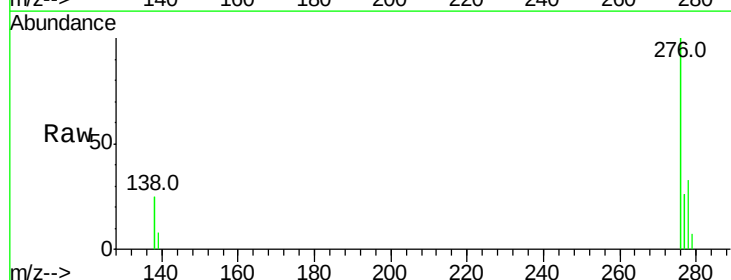
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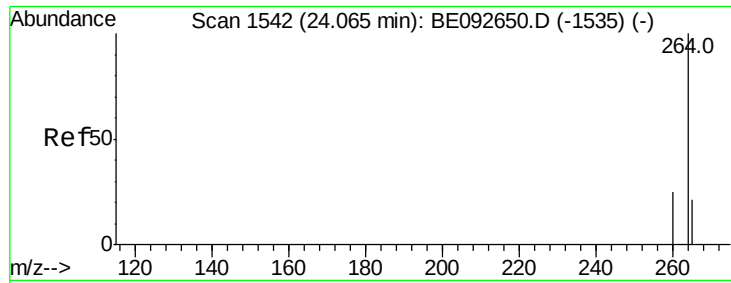
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#30
 Indeno(1,2,3-cd)pyrene
 Concen: 5.28 ng
 RT: 26.53 min Scan# 1712
 Delta R.T. -0.02 min
 Lab File: BE092664.D
 Acq: 19 Jan 2017 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	285119		
138	27.6	20.3	30.5	
277	24.8	19.7	29.5	





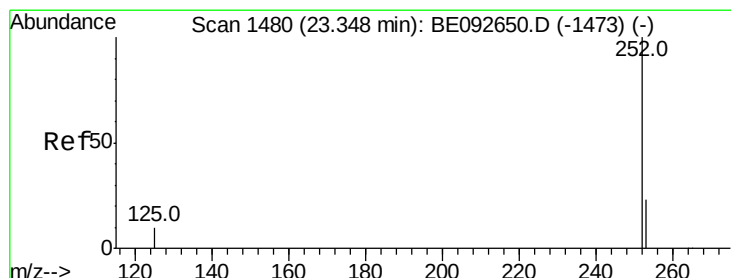
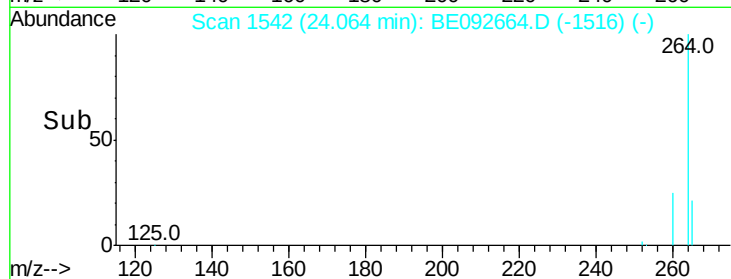
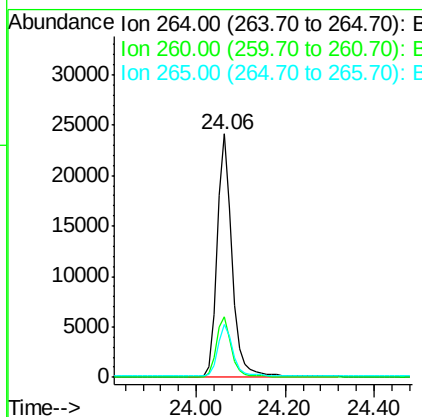
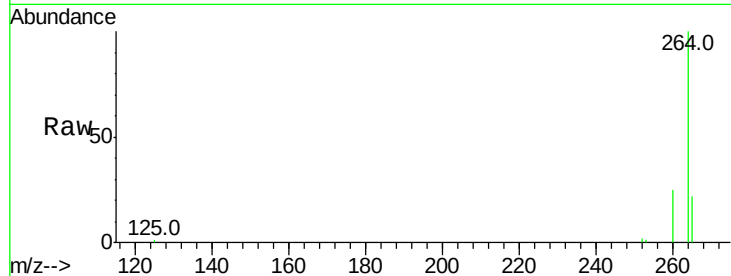
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.06 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Instrument :
BNA_E
ClientSampleId :
PB96128BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.1	30.1
265	22.0	17.9	26.9

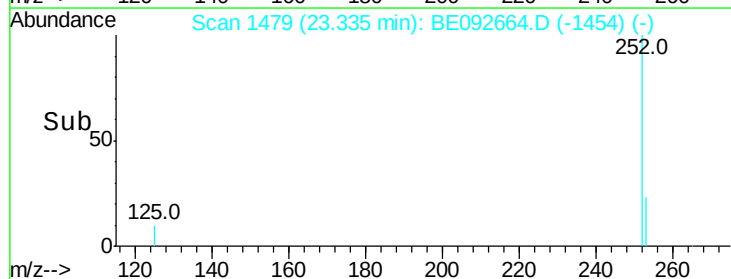
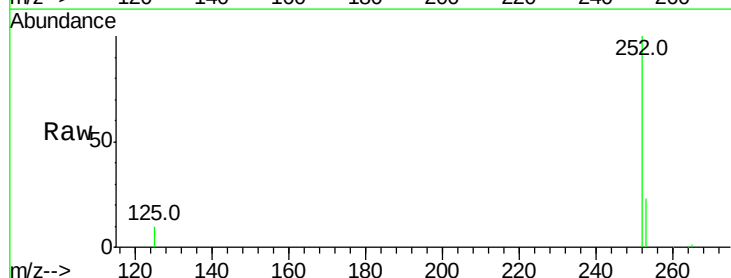
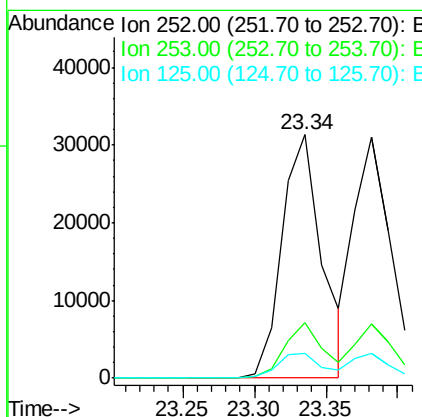
Manual Integrations
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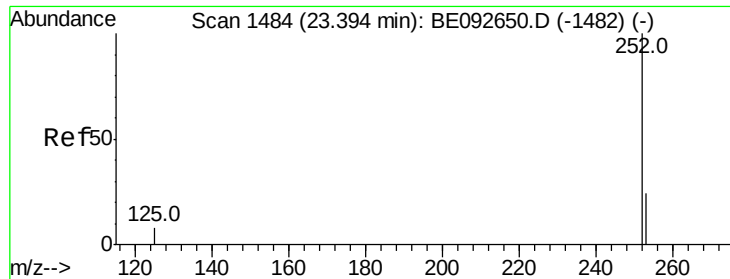
mohammad
1/20/2017 2:05:28 PM



#32
Benzo(b)fluoranthene
Concen: 4.46 ng
RT: 23.34 min Scan# 1479
Delta R.T. -0.01 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.7	28.1
125	9.9	10.5	15.7#





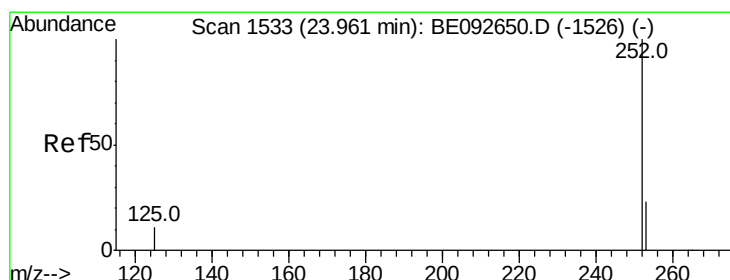
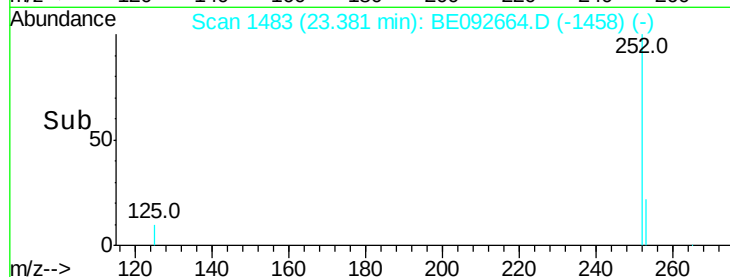
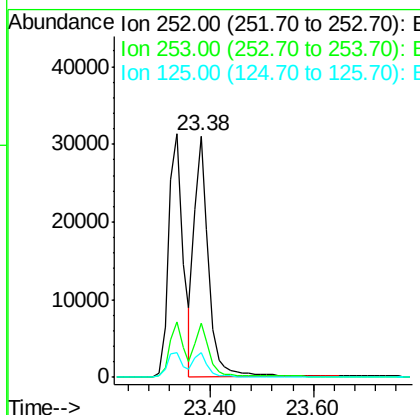
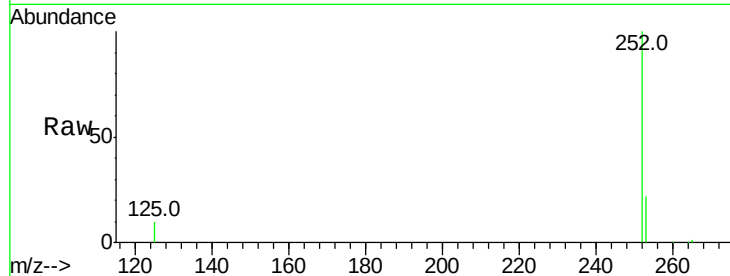
#33
Benzo(k)fluoranthene
Concen: 4.32 ng
RT: 23.38 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Instrument :
BNA_E
ClientSampleId :
PB96128BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	20.3	30.5
125	10.4	9.6	14.4

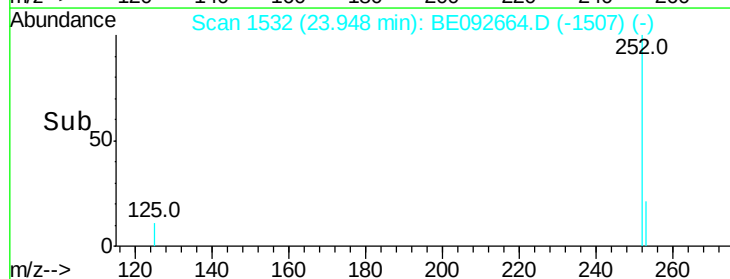
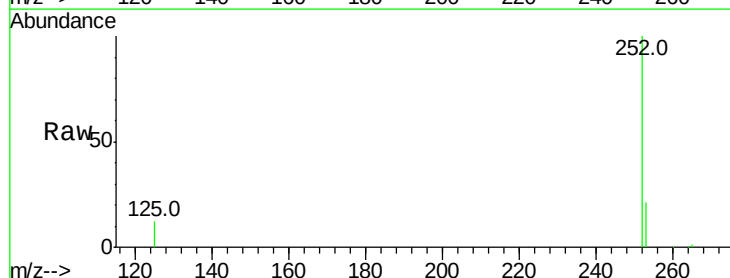
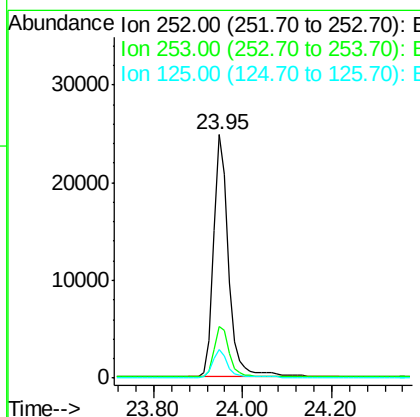
Manual Integrations
APPROVED

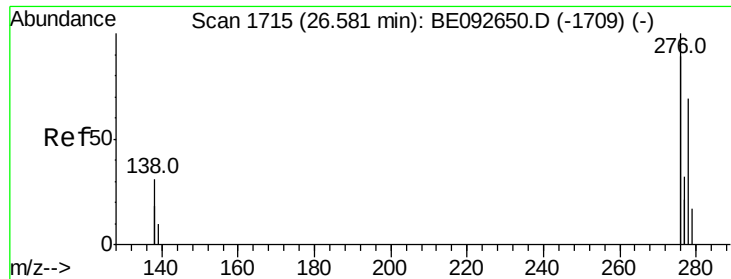
mohammad
1/20/2017 2:05:28 PM



#34
Benzo(a)pyrene
Concen: 4.63 ng
RT: 23.95 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	19.0	28.6
125	11.7	11.8	17.8





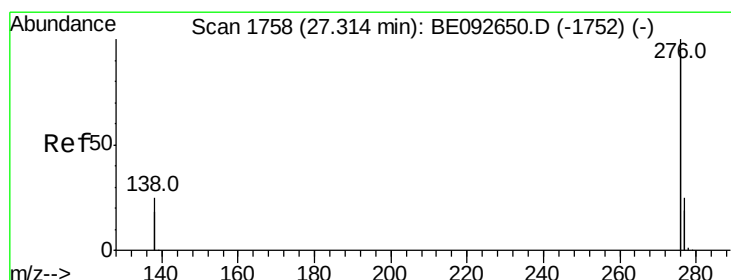
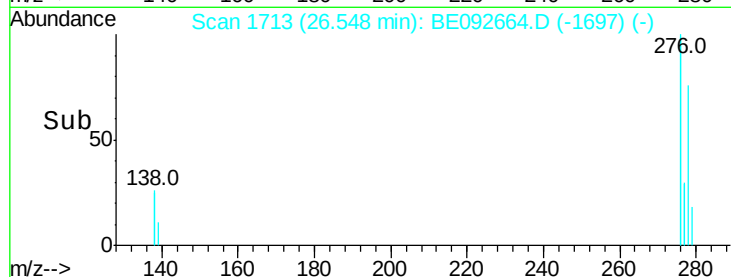
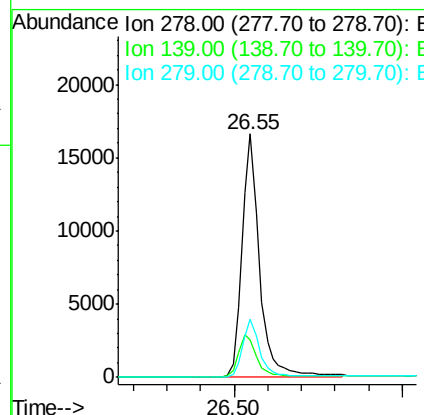
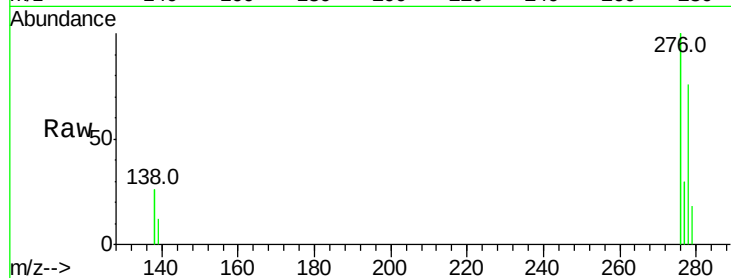
#35
Dibenzo(a,h)anthracene
Concen: 4.76 ng
RT: 26.55 min Scan# 1713
Delta R.T. -0.03 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Instrument :
BNA_E
ClientSampleId :
PB96128BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.4	13.8	20.8
279	23.8	21.4	32.2

Manual Integrations
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mohammad
1/20/2017 2:05:28 PM



#36
Benzo(g,h,i)perylene
Concen: 4.88 ng
RT: 27.28 min Scan# 1756
Delta R.T. -0.03 min
Lab File: BE092664.D
Acq: 19 Jan 2017 19:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.8	29.8
138	24.5	19.8	29.6

