

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072716\
 Data File : BE092067.D
 Acq On : 28 Jul 2016 5:06
 Operator : UM/SJ
 Sample : H4107-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004

Manual Integrations
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Quant Time: Jul 28 12:45:25 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 17:13:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	19996	5.00	ng	-0.02
8) Naphthalene-d8	10.99	136	97926	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	48117	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	141334	5.00	ng	0.00
31) Chrysene-d12	21.76	240	102709	5.00	ng	0.00
40) Perylene-d12	24.15	264	128409	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	27957	6.27	ng	-0.02
5) Phenol-d6	7.35	99	43760	7.36	ng	0.00
9) Nitrobenzene-d5	9.35	82	24771	3.40	ng	-0.02
16) 2,4,6-Tribromophenol	16.33	330	12838	5.78	ng	-0.02
17) 2-Fluorobiphenyl	13.47	172	61016	3.16	ng	0.00
34) Terphenyl-d14	20.20	244	88796	4.64	ng	0.00
Target Compounds						Qvalue
12) Naphthalene	11.04	128	1476	0.07	ng	# 90
14) 2-Methylnaphthalene	12.66	142	343	0.02	ng	# 81
22) Fluorene	15.90	166	3450	0.17	ng	99
28) Phenanthrene	17.63	178	48514	1.35	ng	99
29) Anthracene	17.72	178	13543m	0.41	ng	
30) Fluoranthene	19.63	202	288379	1.80	ng	99
33) Pyrene	19.99	202	264626	2.00	ng	# 89
35) Benzo(a)anthracene	21.73	228	45547m	1.04	ng	
37) Chrysene	21.79	228	23299m	0.55	ng	
38) Bis(2-ethylhexyl)phthalate	21.64	149	11248	0.18	ng	# 96
39) Indeno(1,2,3-cd)pyrene	26.65	276	58937	0.49	ng	94
41) Benzo(b)fluoranthene	23.41	252	36119m	1.02	ng	
42) Benzo(k)fluoranthene	23.46	252	12482m	0.31	ng	
43) Benzo(a)pyrene	24.04	252	24966	0.76	ng	98
44) Dibenzo(a,h)anthracene	26.67	278	3490	0.12	ng	# 76
45) Benzo(g,h,i)perylene	27.43	276	61790	0.52	ng	97

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

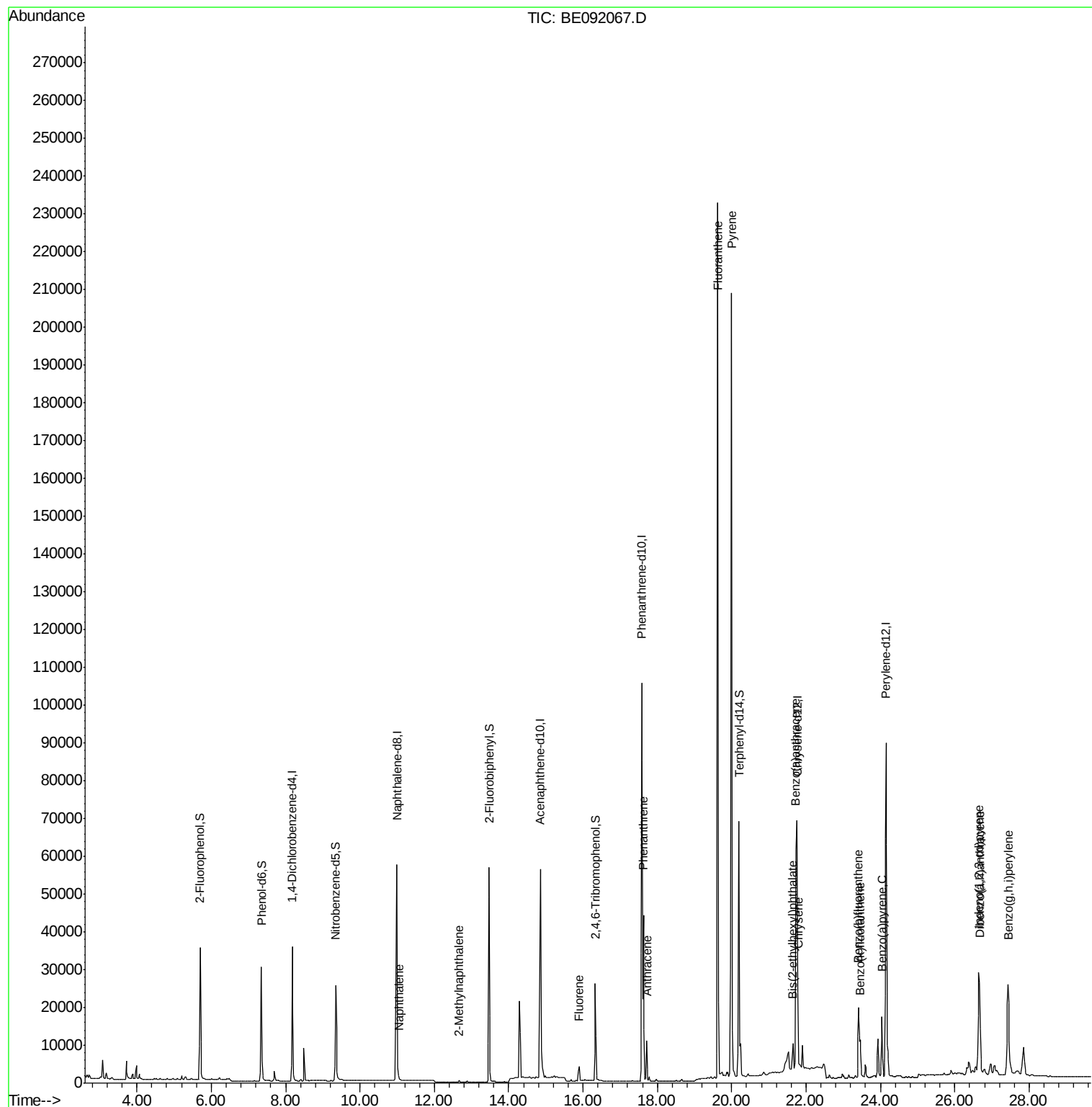
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072716\
Data File : BE092067.D
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Operator : UM/SJ
Sample : H4107-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

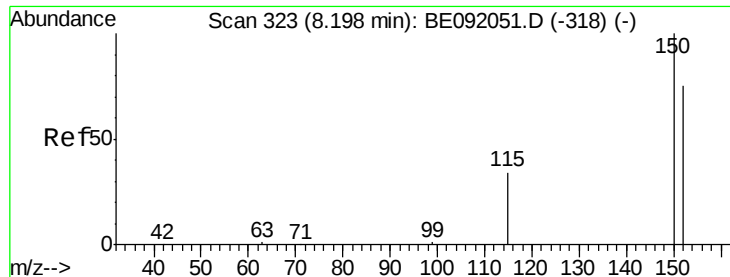
Instrument :
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TILCON-MH-SF-004

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

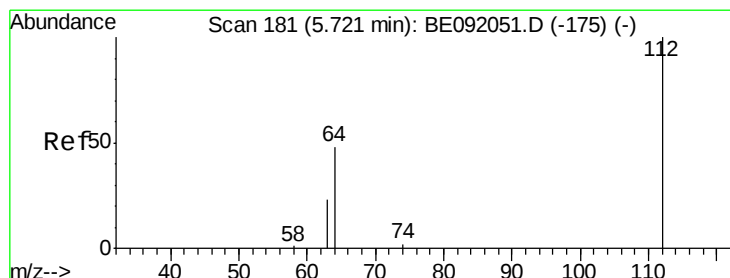
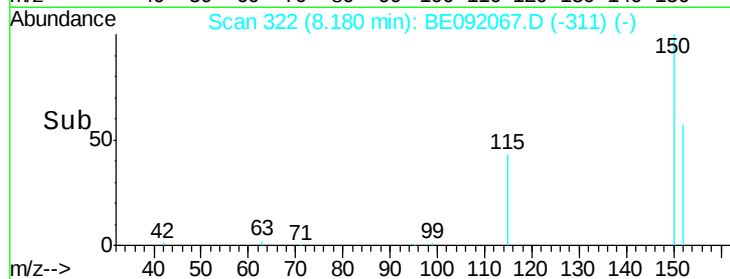
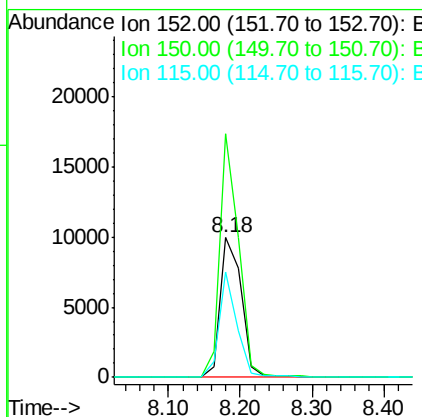
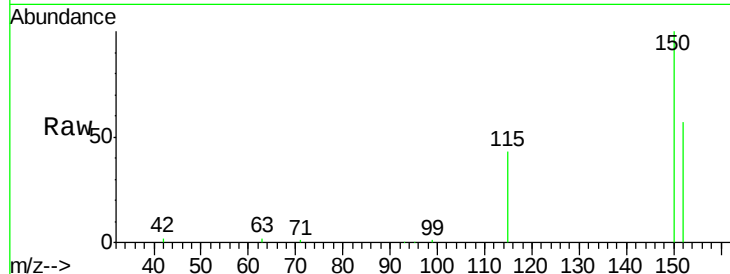
1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.18 min Scan# 322
 Delta R.T. -0.02 min
 Lab File: BE092067.D
 Acq: 28 Jul 2016 5:06

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004

Tgt Ion	Ratio	Lower	Upper
152	100		
150	174.2	106.0	159.0#
115	75.6	36.9	55.3#

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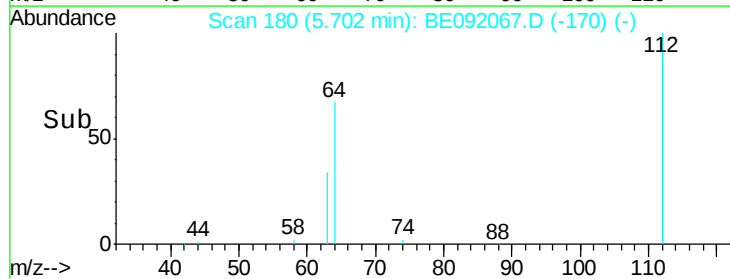
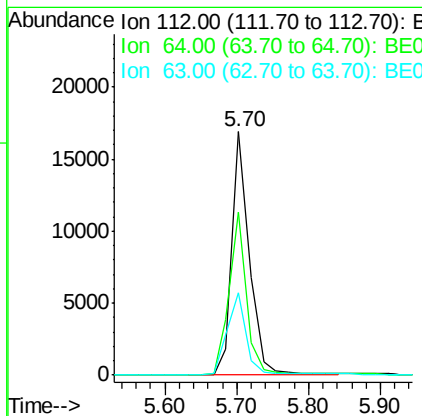
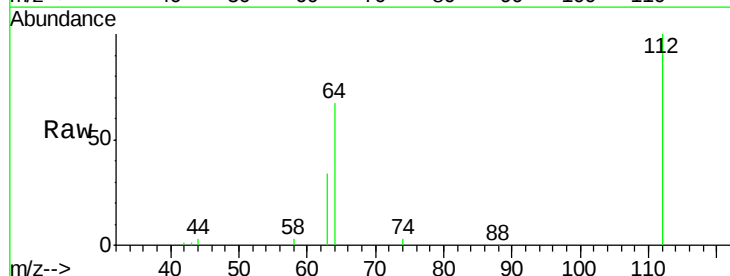
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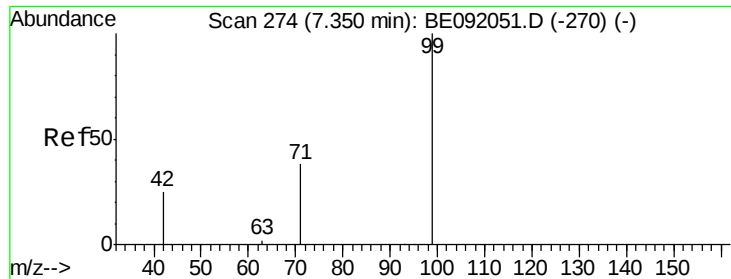


#4

2-Fluorophenol
 Concen: 6.27 ng
 RT: 5.70 min Scan# 180
 Delta R.T. -0.02 min
 Lab File: BE092067.D
 Acq: 28 Jul 2016 5:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	55.9	83.9
63	36.2	31.1	46.7





#5

Phenol-d6

Concen: 7.36 ng

RT: 7.35 min Scan# 274

Delta R.T. -0.00 min

Lab File: BE092067.D

Acq: 28 Jul 2016 5:06

Instrument :

BNA_E

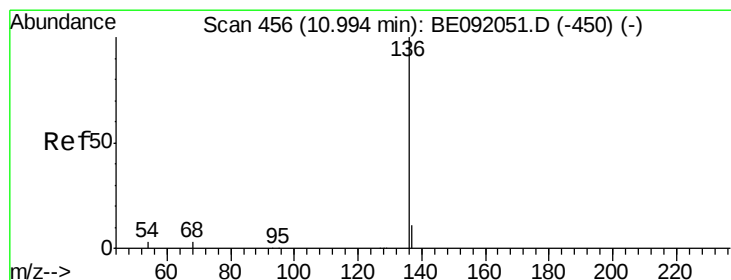
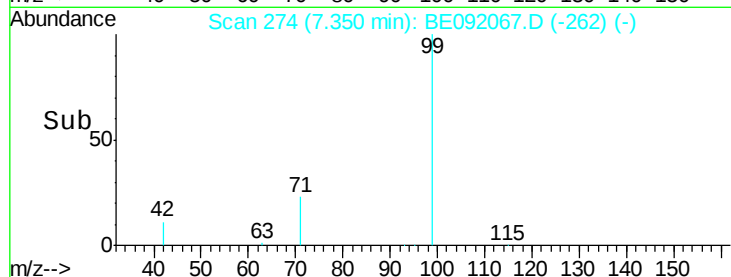
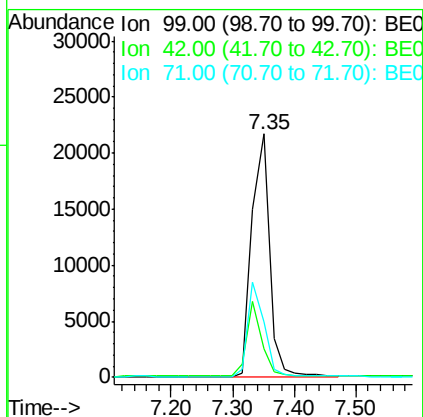
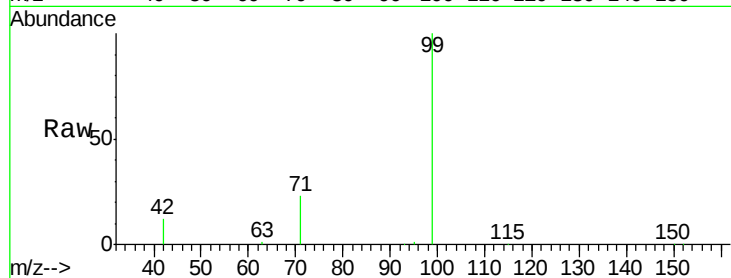
ClientSampleId :

TILCON-MH-SF-004

Tgt Ion:	99	Resp:	43760
Ion Ratio	Lower	Upper	
99	100		
42	26.0	22.4	33.6
71	36.2	28.9	43.3

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#8

Naphthalene-d8

Concen: 5.00 ng

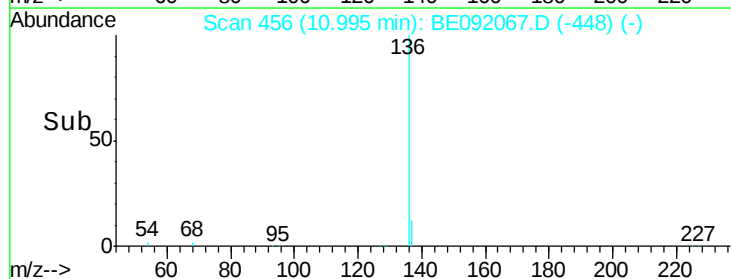
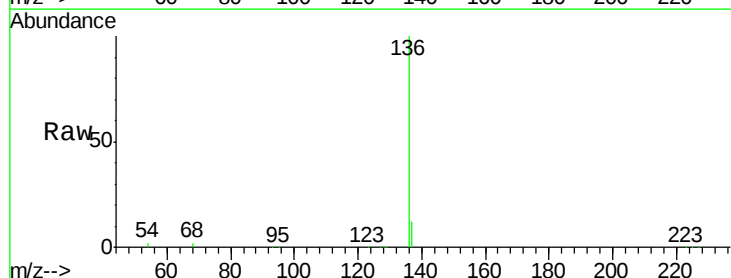
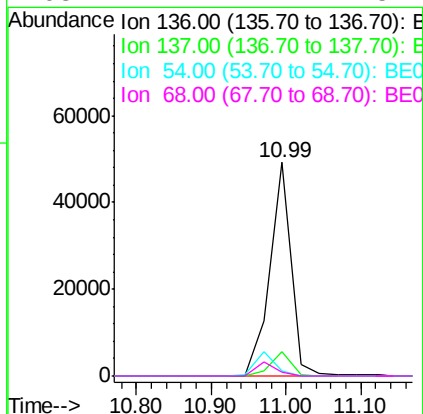
RT: 10.99 min Scan# 456

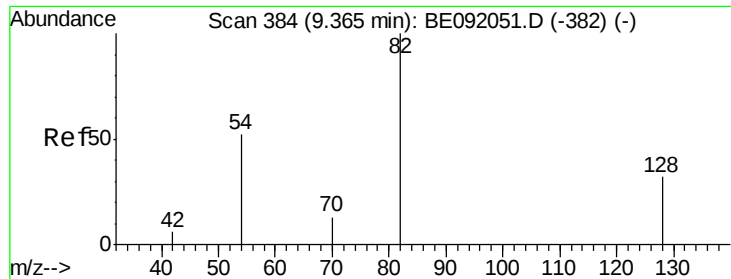
Delta R.T. 0.00 min

Lab File: BE092067.D

Acq: 28 Jul 2016 5:06

Tgt Ion:	136	Resp:	97926
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.1	13.7
54	2.5	2.7	4.1#
68	2.1	2.2	3.4#





#9

Nitrobenzene-d5

Concen: 3.40 ng

RT: 9.35 min Scan# 383

Delta R.T. -0.02 min

Lab File: BE092067.D

Acq: 28 Jul 2016 5:06

Instrument :

BNA_E

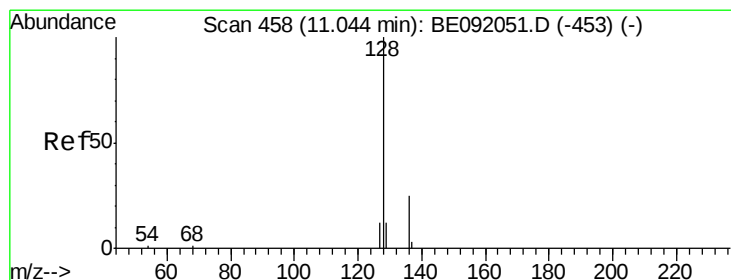
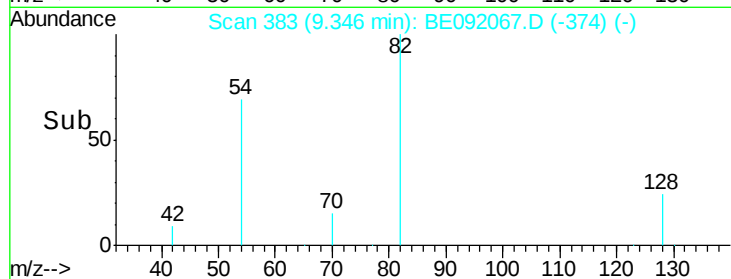
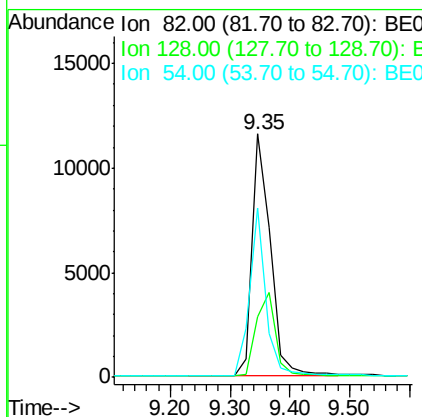
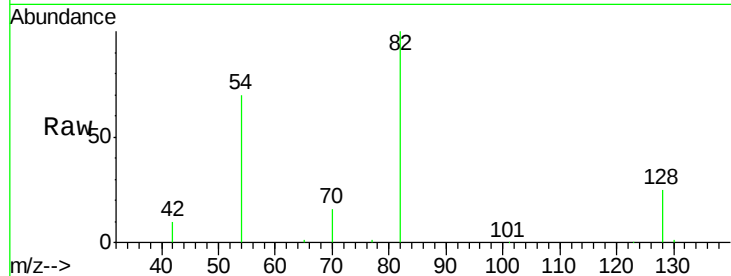
ClientSampleId :

TILCON-MH-SF-004

Tgt Ion:	82	Resp:	24771
Ion Ratio	Lower	Upper	
82	100		
128	24.7	33.0	49.4#
54	69.6	42.6	63.8#

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#12

Naphthalene

Concen: 0.07 ng

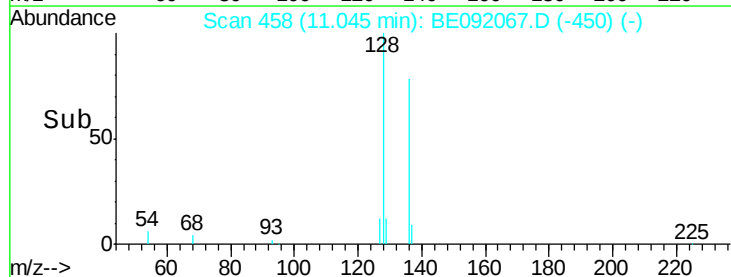
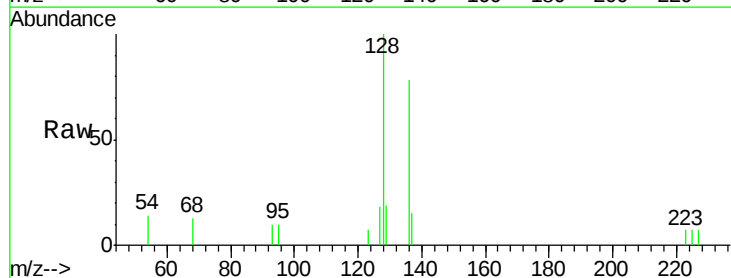
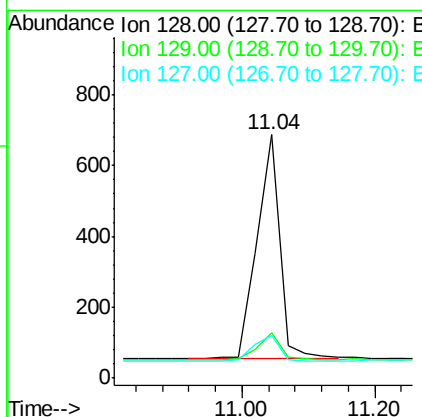
RT: 11.04 min Scan# 458

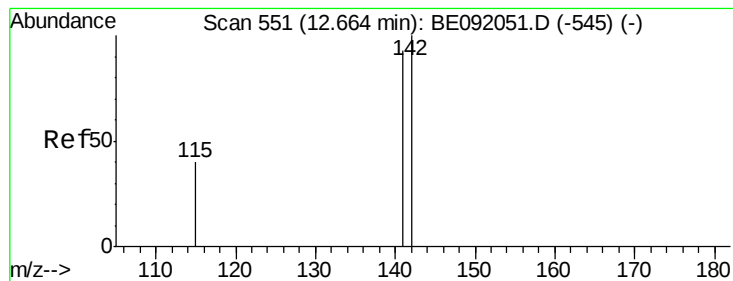
Delta R.T. 0.00 min

Lab File: BE092067.D

Acq: 28 Jul 2016 5:06

Tgt Ion:	128	Resp:	1476
Ion Ratio	Lower	Upper	
128	100		
129	18.8	11.1	16.7#
127	17.7	11.3	16.9#





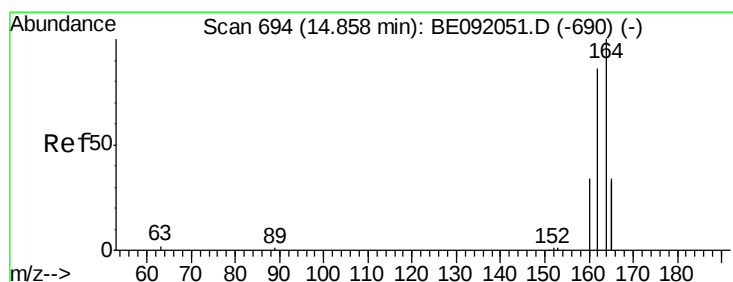
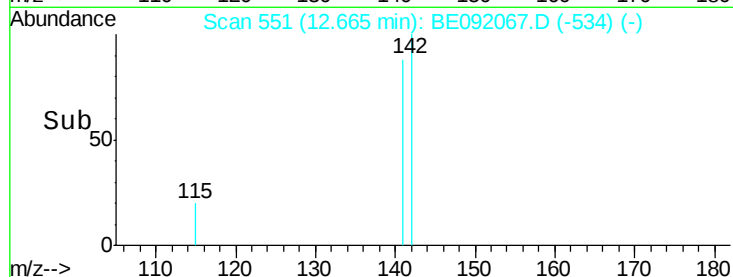
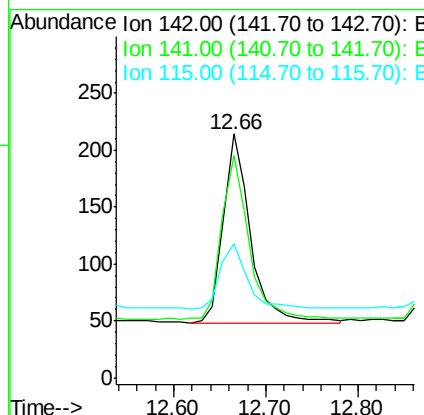
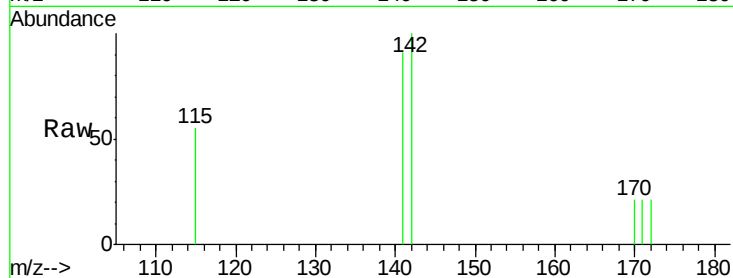
#14
2-Methylnaphthalene
Concen: 0.02 ng
RT: 12.66 min Scan# 551
Delta R.T. 0.00 min
Lab File: BE092067.D
Acq: 28 Jul 2016 5:06

Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.1	65.1	97.7
115	55.1	27.0	40.4

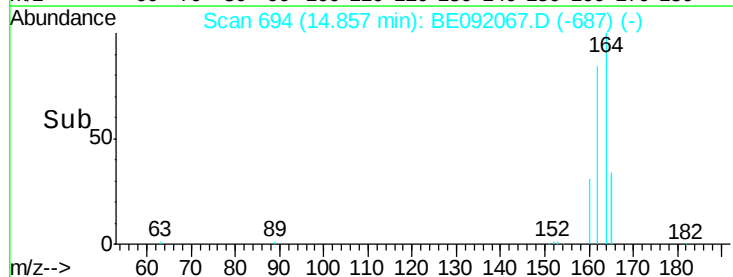
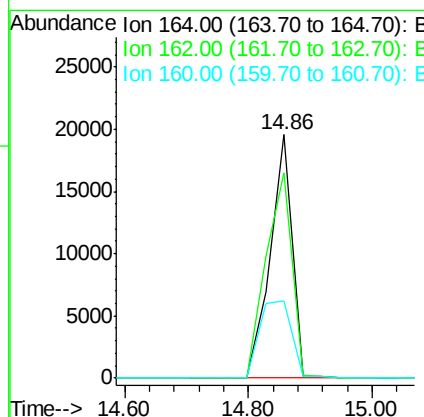
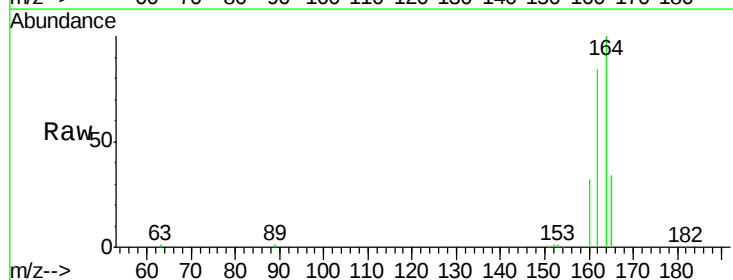
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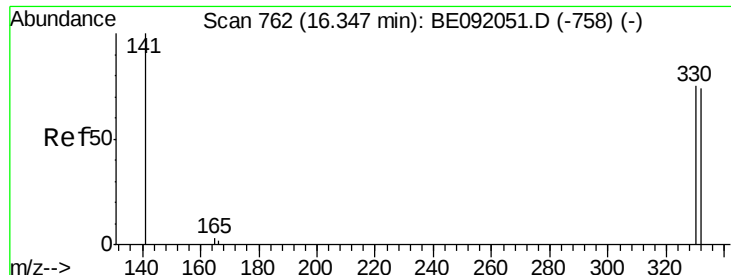
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#15
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.86 min Scan# 694
Delta R.T. -0.00 min
Lab File: BE092067.D
Acq: 28 Jul 2016 5:06

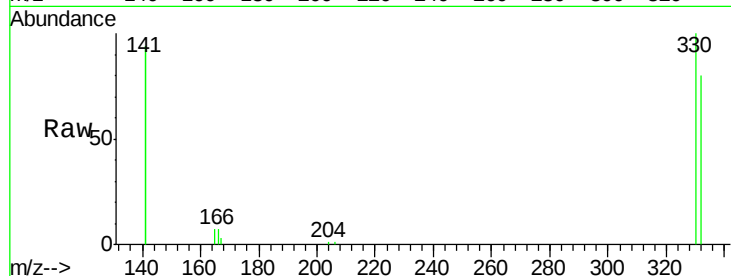
Tgt Ion	Ratio	Lower	Upper
164	100		
162	84.1	69.5	104.3
160	31.6	27.6	41.4





#16
 2,4,6-Tribromophenol
 Concen: 5.78 ng
 RT: 16.33 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: BE092067.D
 Acq: 28 Jul 2016 5:06

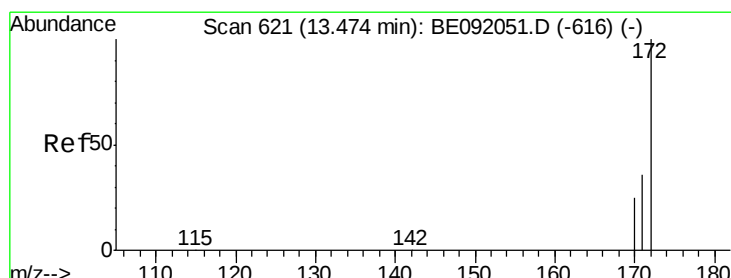
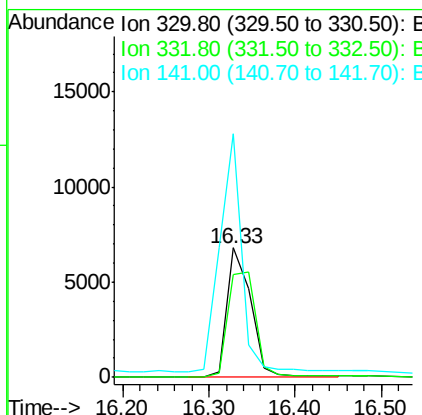
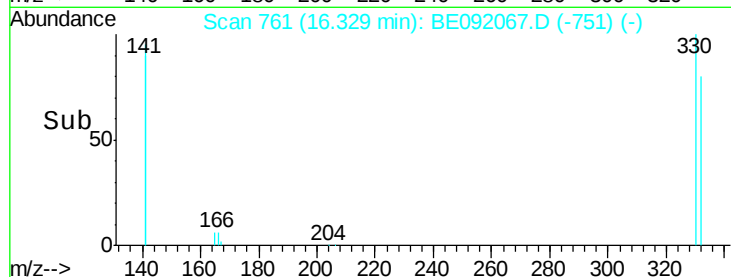
Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004



Tgt Ion: 330 Resp: 12838
 Ion Ratio Lower Upper
 330 100
 332 95.7 74.2 111.4
 141 172.9 139.8 209.8

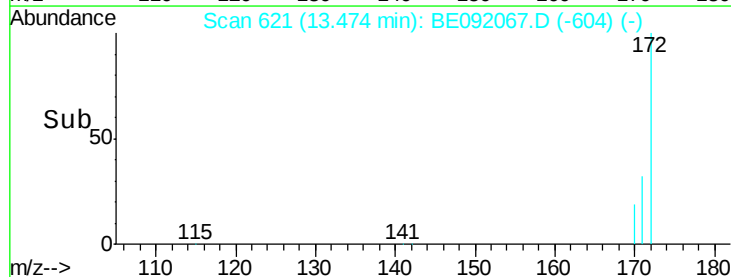
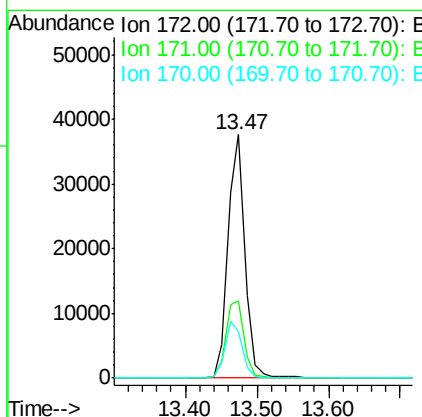
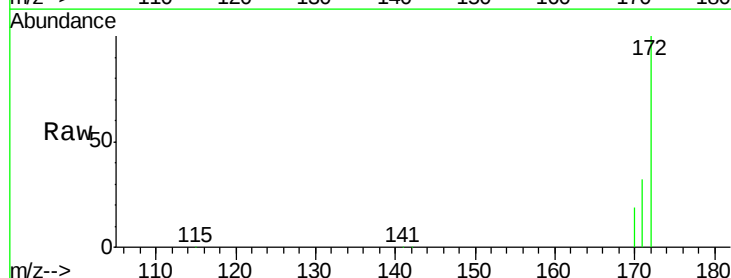
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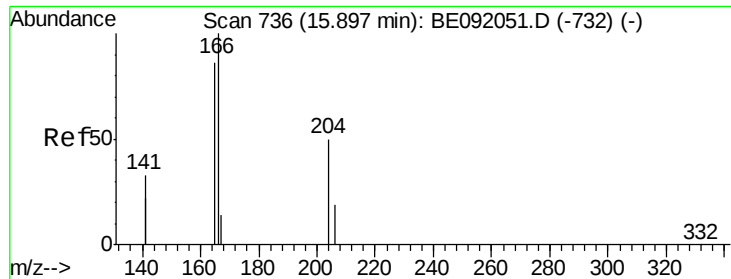
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#17
 2-Fluorobiphenyl
 Concen: 3.16 ng
 RT: 13.47 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BE092067.D
 Acq: 28 Jul 2016 5:06

Tgt Ion: 172 Resp: 61016
 Ion Ratio Lower Upper
 172 100
 171 31.6 30.3 45.5
 170 19.3 21.6 32.4#





#22

Fluorene

Concen: 0.17 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE092067.D

Acq: 28 Jul 2016 5:06

Instrument :

BNA_E

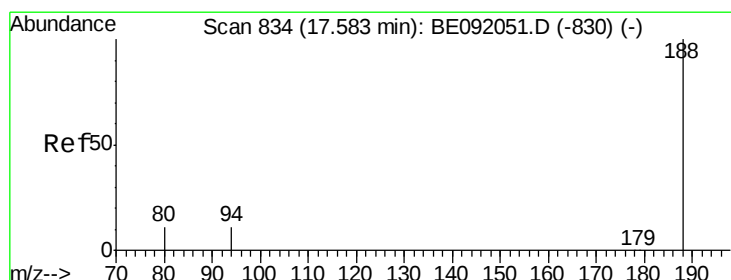
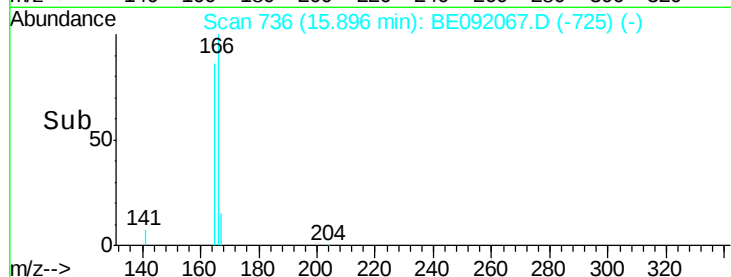
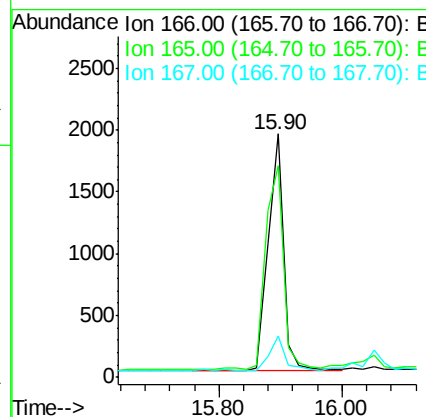
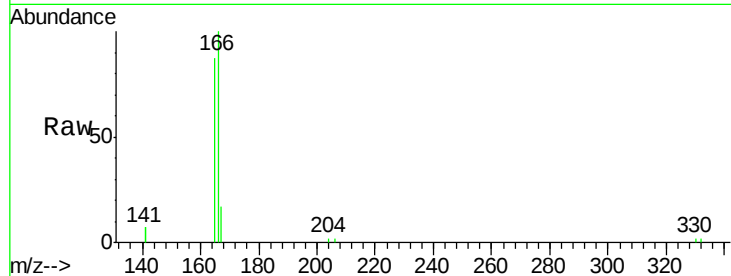
ClientSampleId :

TILCON-MH-SF-004

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.6	118.0
167	15.0	11.1	16.7

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#24

Phenanthrene-d10

Concen: 5.00 ng

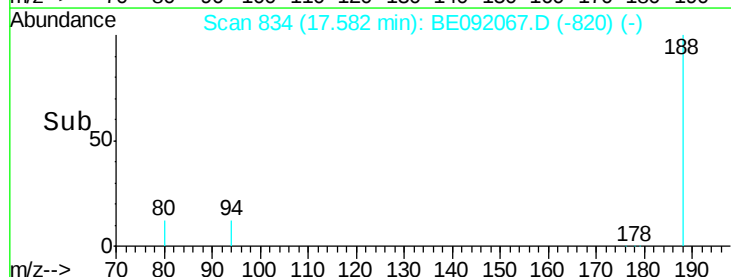
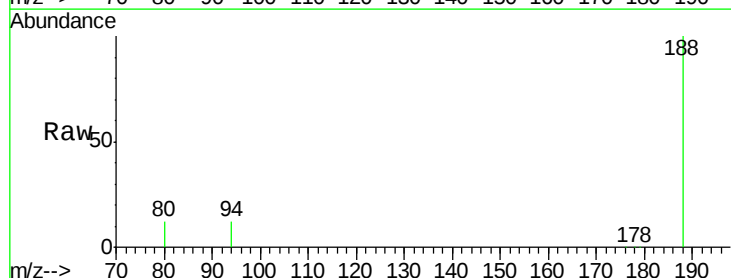
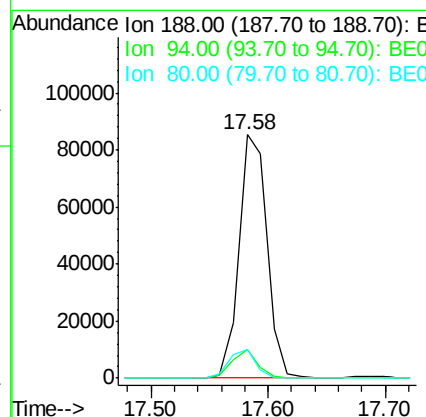
RT: 17.58 min Scan# 834

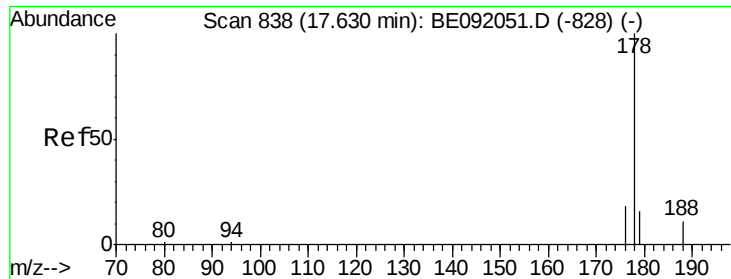
Delta R.T. -0.00 min

Lab File: BE092067.D

Acq: 28 Jul 2016 5:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	3.9	5.9#
80	11.9	3.4	5.0#





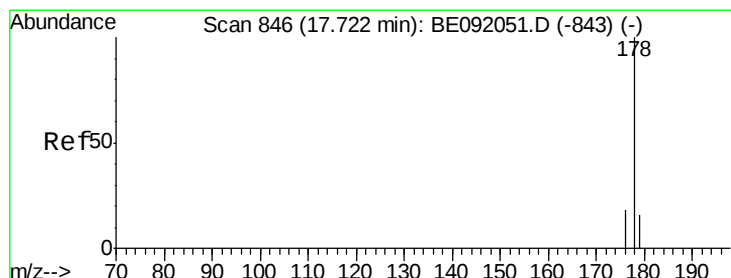
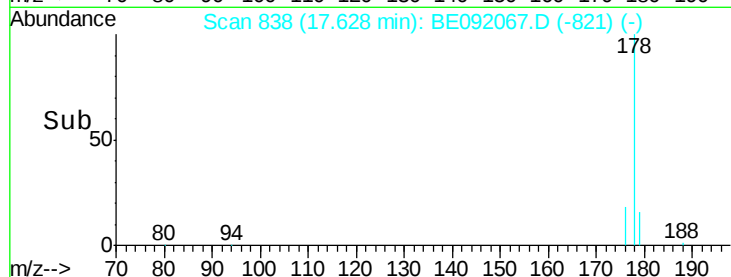
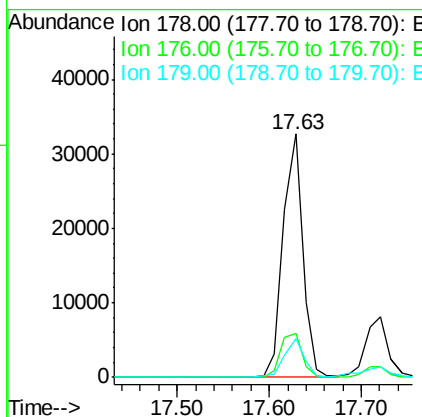
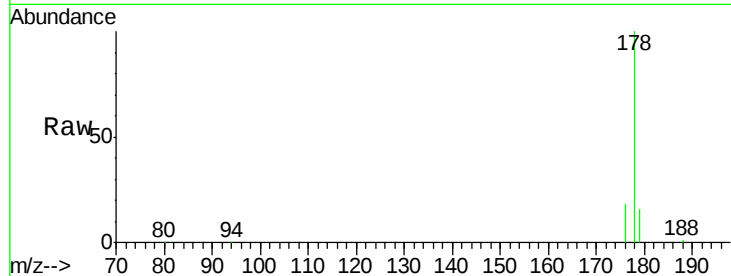
#28
Phenanthrene
Concen: 1.35 ng
RT: 17.63 min Scan# 838
Delta R.T. -0.00 min
Lab File: BE092067.D
Acq: 28 Jul 2016 5:06

Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004

Tgt Ion:178 Resp: 48514
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.5 12.7 19.1

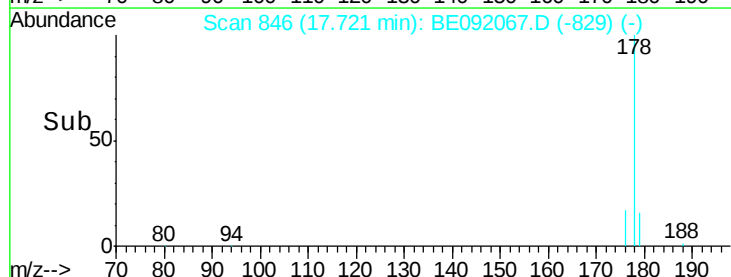
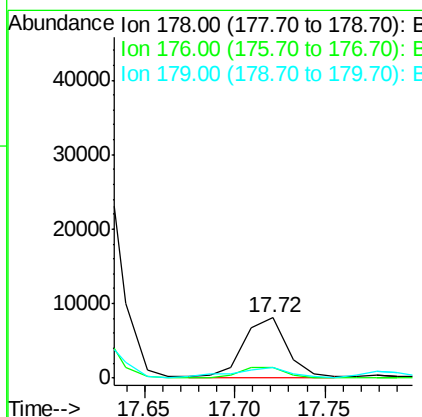
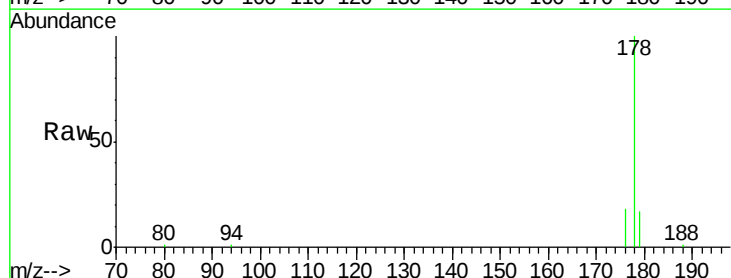
Manual Integrations
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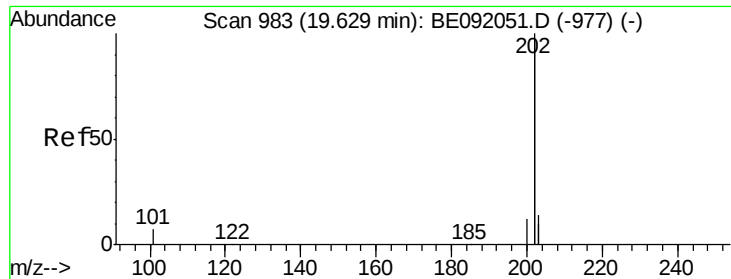
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#29
Anthracene
Concen: 0.41 ng m
RT: 17.72 min Scan# 846
Delta R.T. -0.00 min
Lab File: BE092067.D
Acq: 28 Jul 2016 5:06

Tgt Ion:178 Resp: 13543
Ion Ratio Lower Upper
178 100
176 70.1 15.2 22.8#
179 55.6 12.2 18.4#





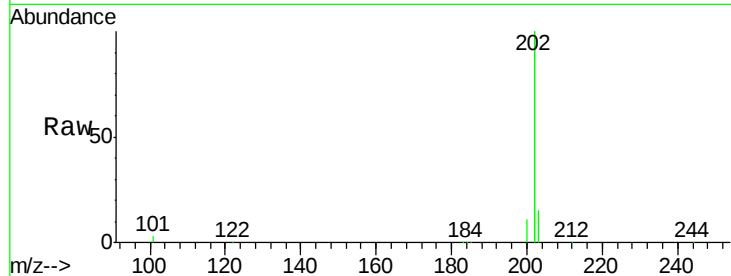
#30
Fluoranthene
Concen: 1.80 ng
RT: 19.63 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE092067.D
Acq: 28 Jul 2016 5:06

Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004

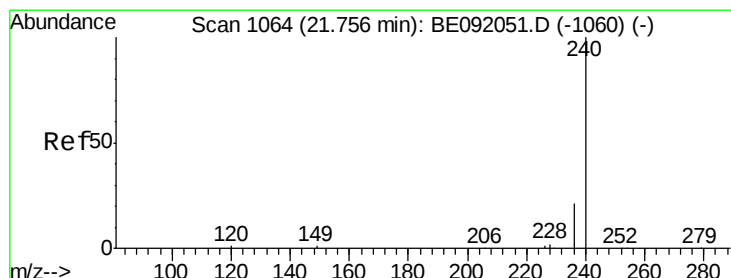
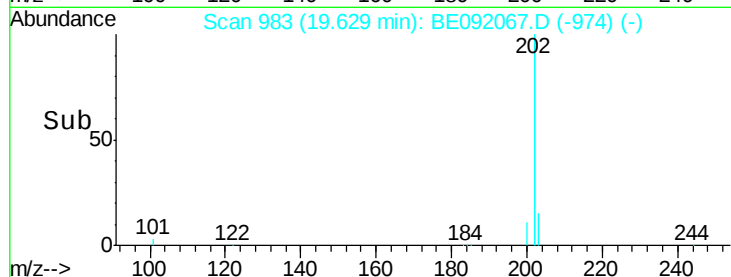
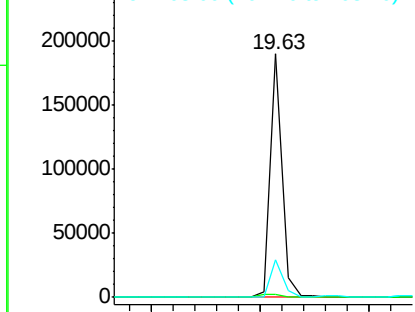
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	2.3	2.2	3.2
203	16.6	13.0	19.4

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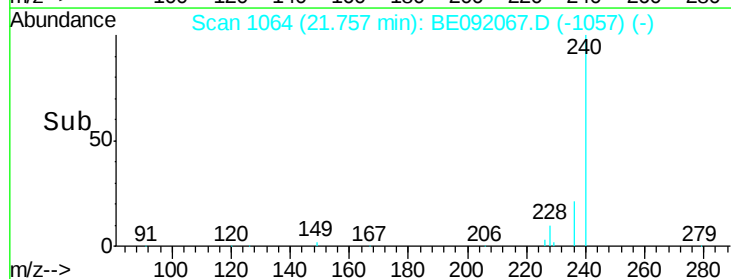
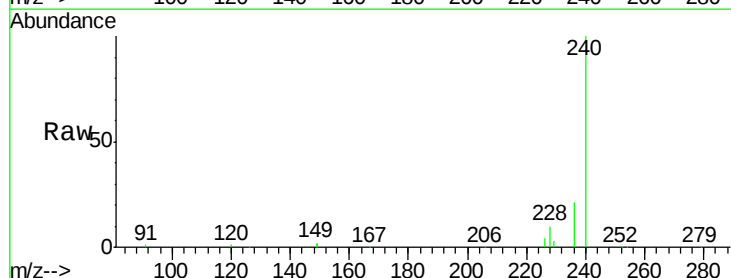
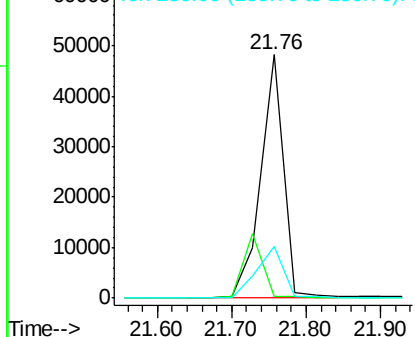
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

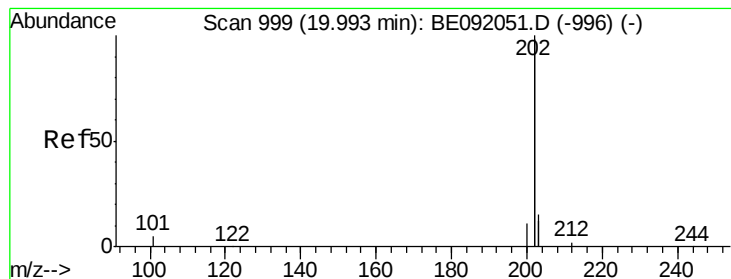


#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BE092067.D
Acq: 28 Jul 2016 5:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	0.8	0.6	1.0
236	21.0	18.2	27.4

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





#33

Pyrene

Concen: 2.00 ng

RT: 19.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: BE092067.D

Acq: 28 Jul 2016 5:06

Instrument :

BNA_E

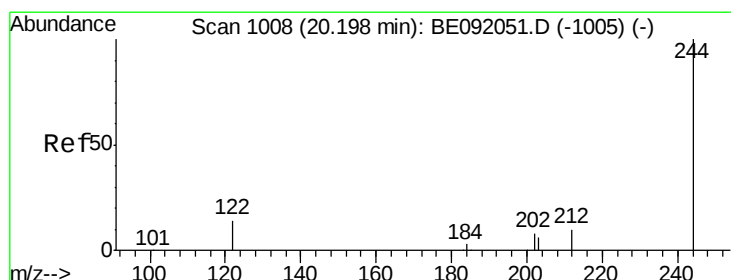
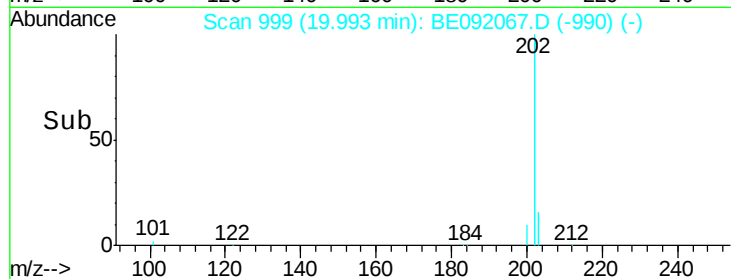
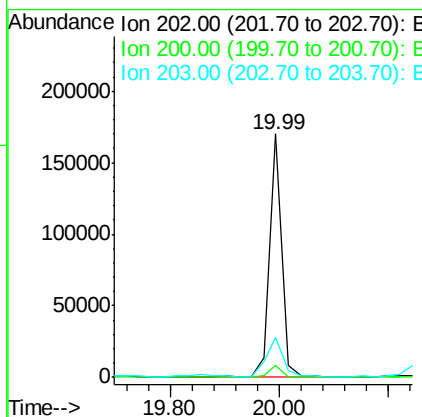
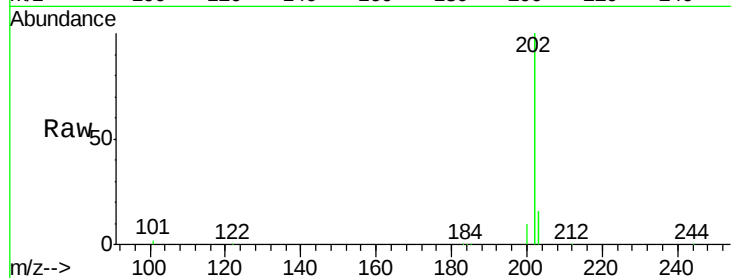
ClientSampleId :

TILCON-MH-SF-004

Tgt Ion:	202	Resp:	264626
Ion Ratio	Lower	Upper	
202	100		
200	5.2	4.4	6.6
203	22.8	13.4	20.0#

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#34

Terphenyl-d14

Concen: 4.64 ng

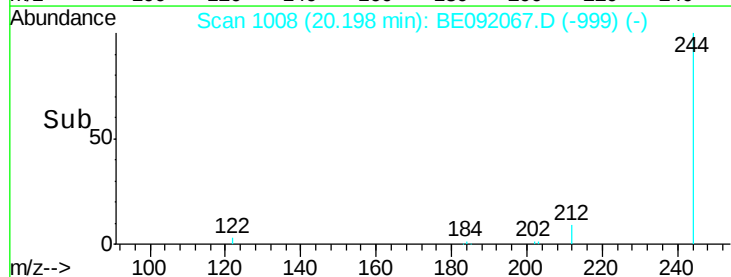
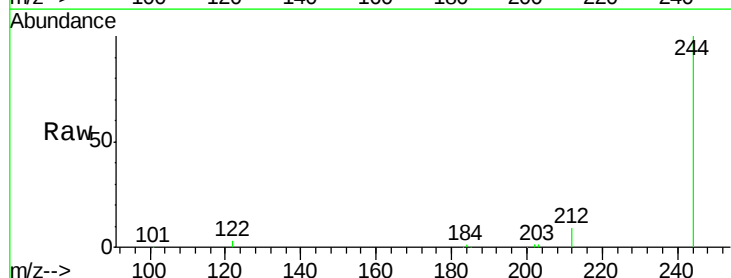
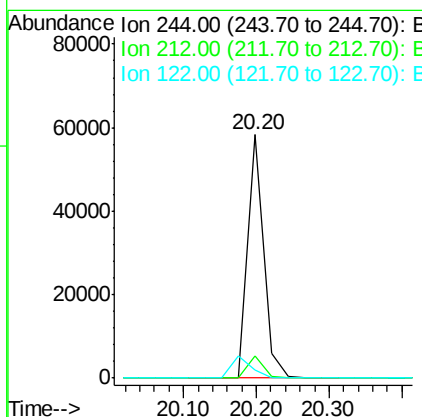
RT: 20.20 min Scan# 1008

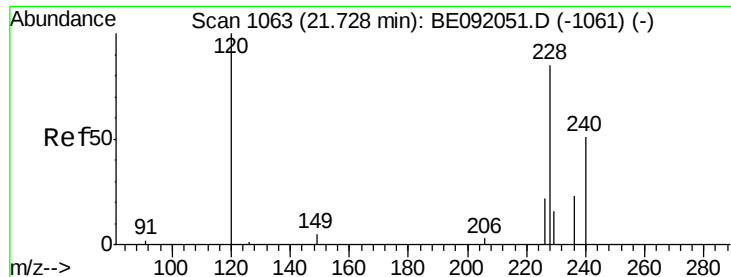
Delta R.T. 0.00 min

Lab File: BE092067.D

Acq: 28 Jul 2016 5:06

Tgt Ion:	244	Resp:	88796
Ion Ratio	Lower	Upper	
244	100		
212	9.2	9.1	13.7
122	3.4	11.0	16.4#





#35

Benzo(a)anthracene

Concen: 1.04 ng m

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092067.D

Acq: 28 Jul 2016 5:06

Instrument :

BNA_E

ClientSampleId :

TILCON-MH-SF-004

Tgt Ion: 228 Resp: 45547

Ion Ratio Lower Upper

228 100

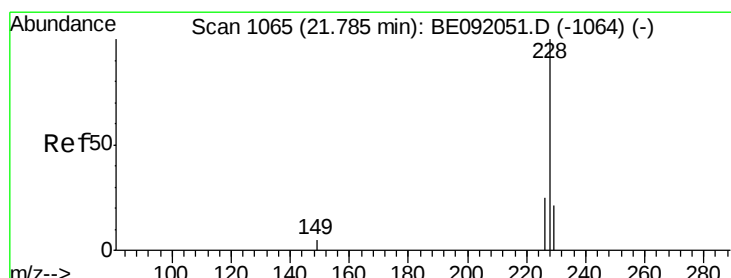
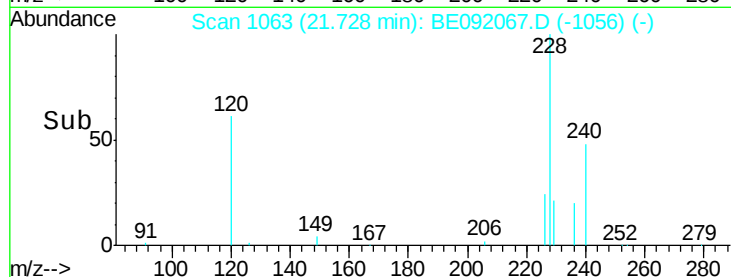
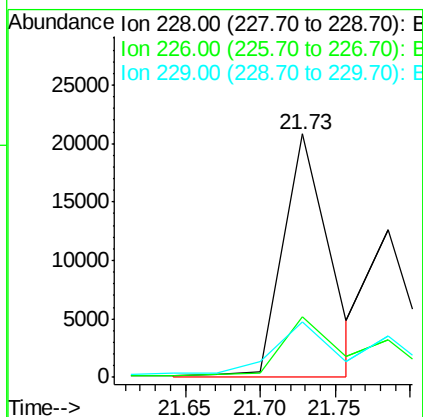
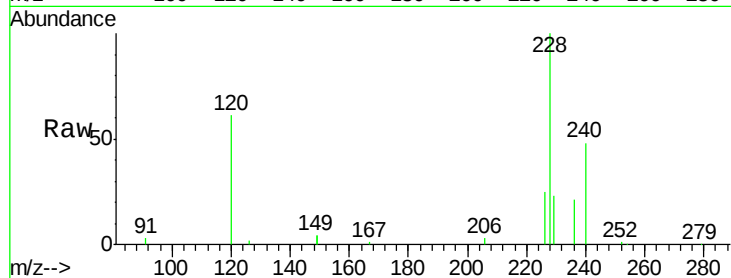
226 24.9 22.1 33.1

229 22.9 15.1 22.7#

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#37

Chrysene

Concen: 0.55 ng m

RT: 21.79 min Scan# 1065

Delta R.T. 0.00 min

Lab File: BE092067.D

Acq: 28 Jul 2016 5:06

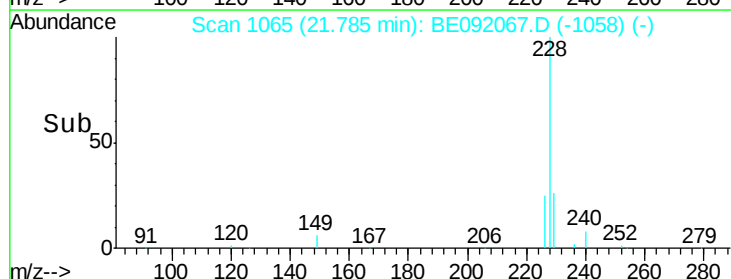
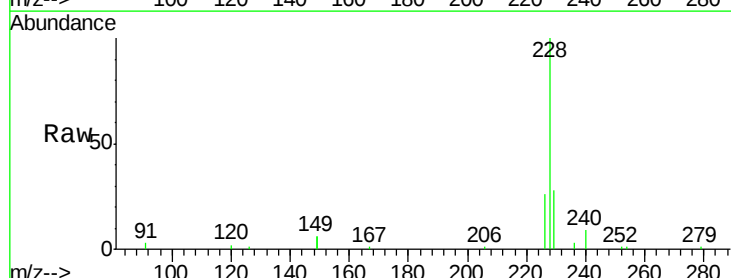
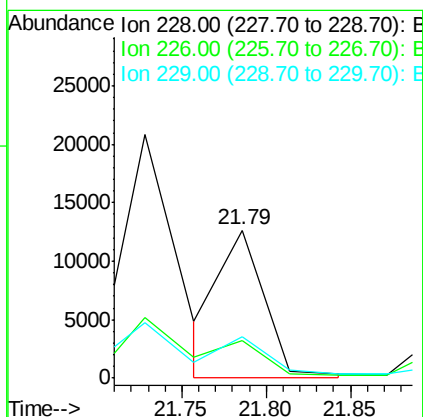
Tgt Ion: 228 Resp: 23299

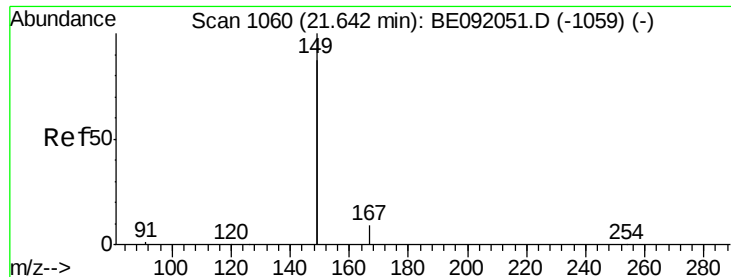
Ion Ratio Lower Upper

228 100

226 25.6 22.3 33.5

229 27.8 16.9 25.3#





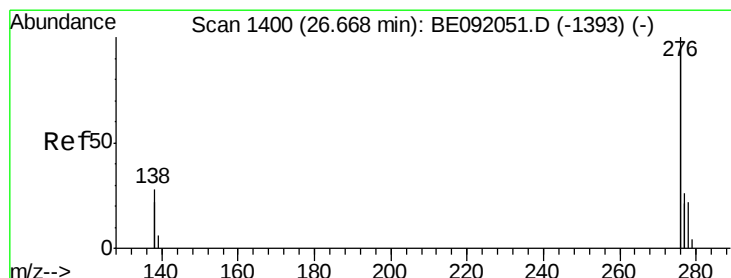
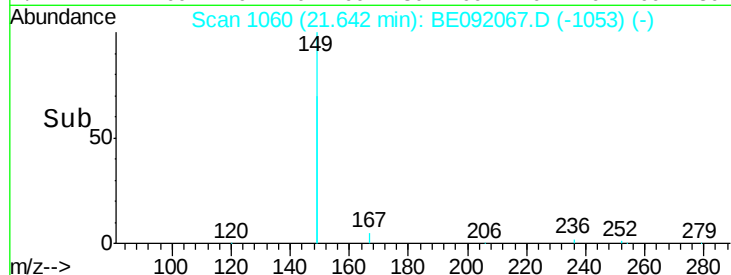
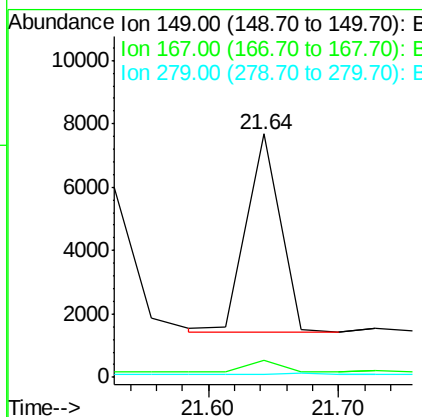
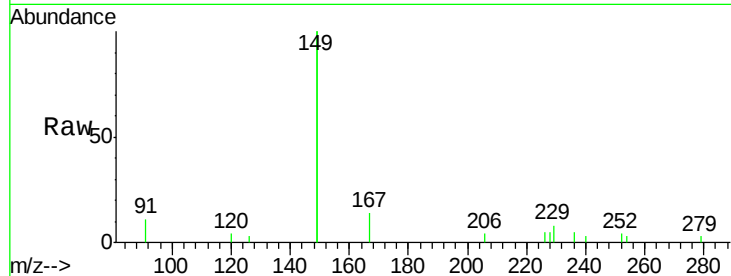
#38
 Bis(2-ethylhexyl)phthalate
 Concen: 0.18 ng
 RT: 21.64 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: BE092067.D
 Acq: 28 Jul 2016 5:06

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004

Tgt Ion	Ratio	Lower	Upper
149	100		
167	6.1	3.8	5.6#
279	0.0	0.0	0.0

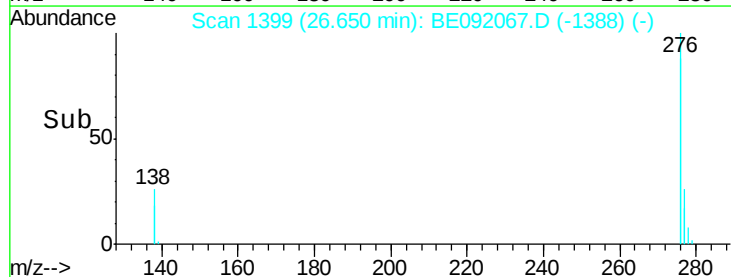
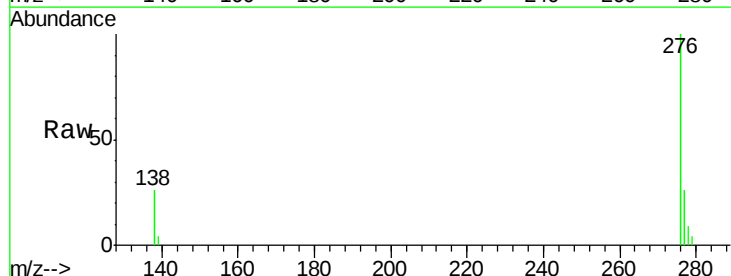
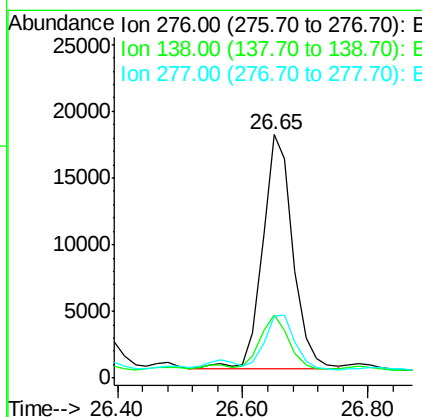
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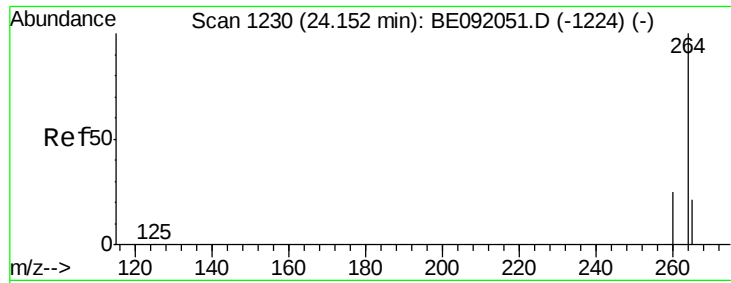
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#39
 Indeno(1,2,3-cd)pyrene
 Concen: 0.49 ng
 RT: 26.65 min Scan# 1399
 Delta R.T. -0.02 min
 Lab File: BE092067.D
 Acq: 28 Jul 2016 5:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	21.2	31.8
277	23.3	19.8	29.8





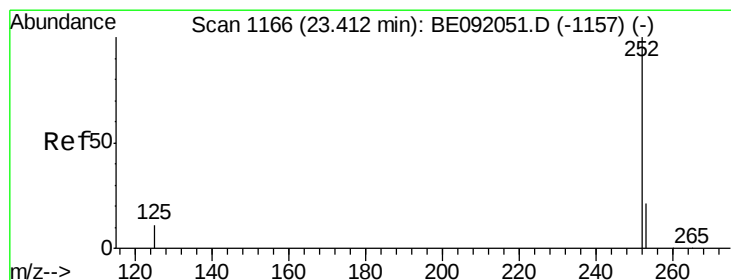
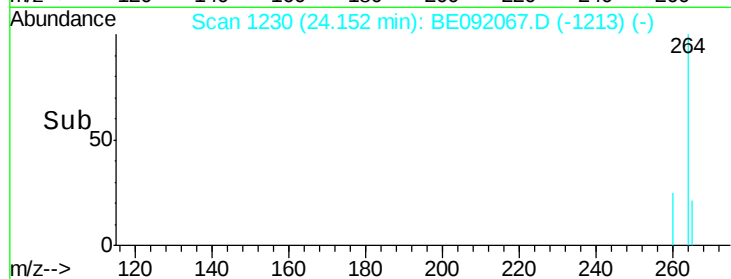
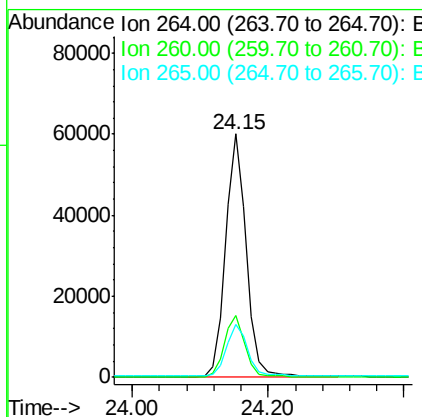
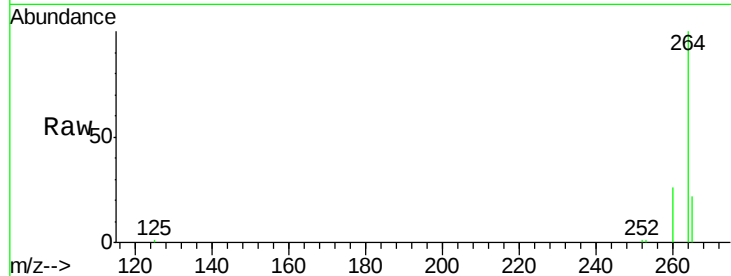
#40
Perylene-d12
 Concen: 5.00 ng
 RT: 24.15 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: BE092067.D
 Acq: 28 Jul 2016 5:06

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-004

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.6	20.8	31.2
265	21.8	16.6	25.0

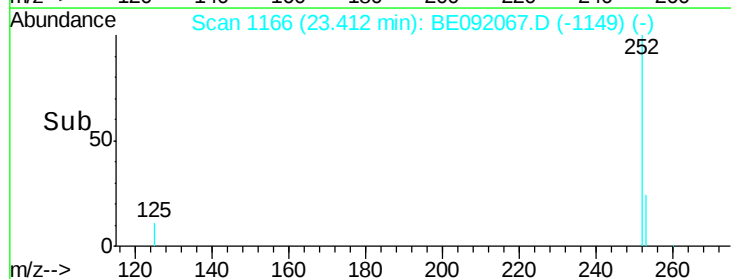
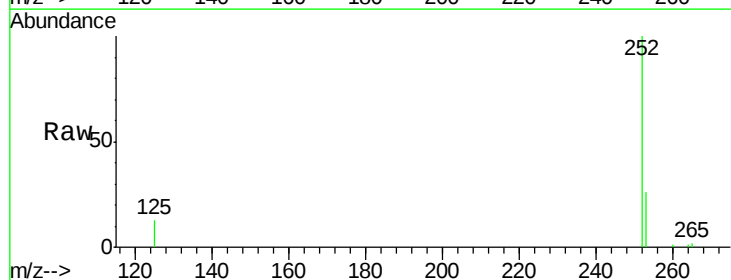
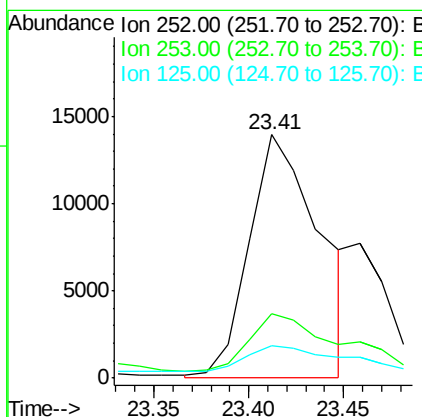
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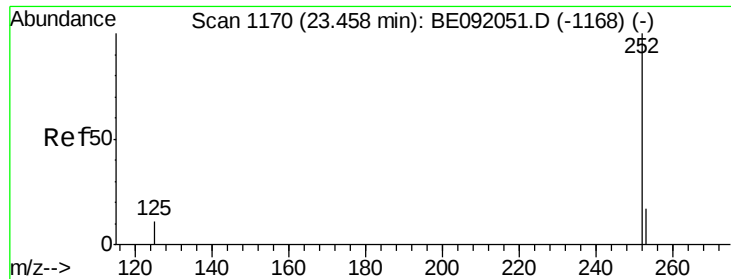
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#41
Benzo(b)fluoranthene
 Concen: 1.02 ng m
 RT: 23.41 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BE092067.D
 Acq: 28 Jul 2016 5:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	26.2	17.4	26.0#
125	13.3	10.2	15.2





#42

Benzo(k)fluoranthene

Concen: 0.31 ng m

RT: 23.46 min Scan# 1170

Delta R.T. 0.00 min

Lab File: BE092067.D

Acq: 28 Jul 2016 5:06

Instrument :

BNA_E

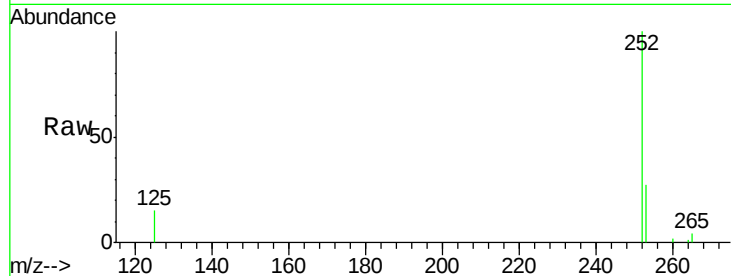
ClientSampleId :

TILCON-MH-SF-004

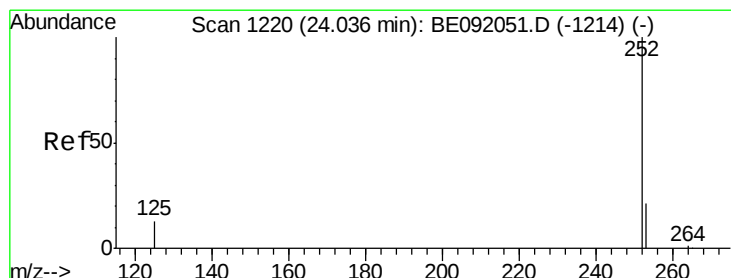
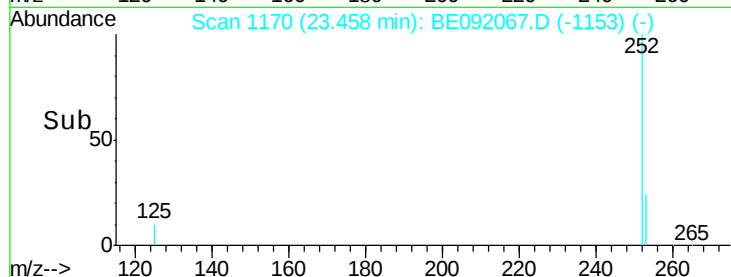
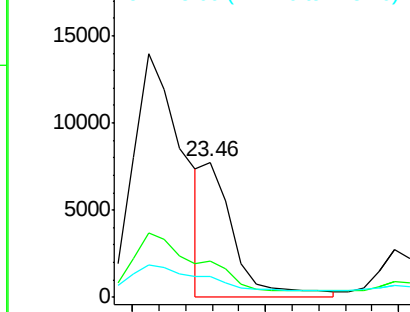
Tgt Ion:	252	Resp:	12482
Ion Ratio	Lower	Upper	
252	100		
253	26.7	19.4	29.0
125	15.0	8.9	13.3#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#43

Benzo(a)pyrene

Concen: 0.76 ng

RT: 24.04 min Scan# 1220

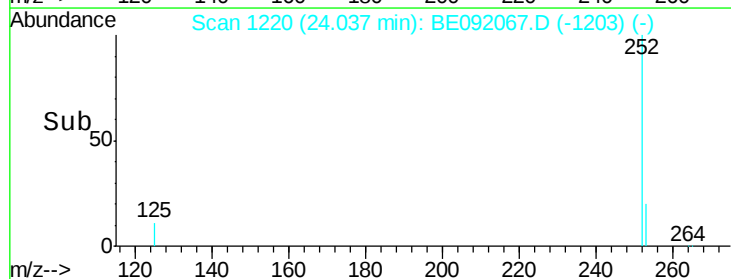
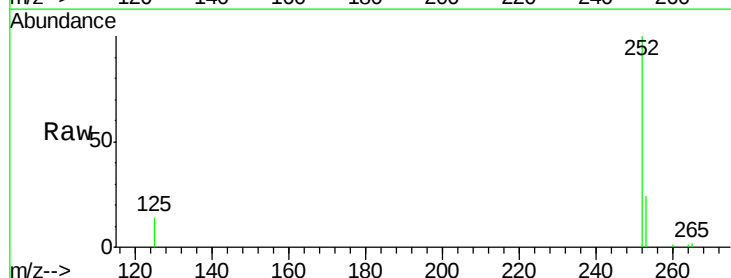
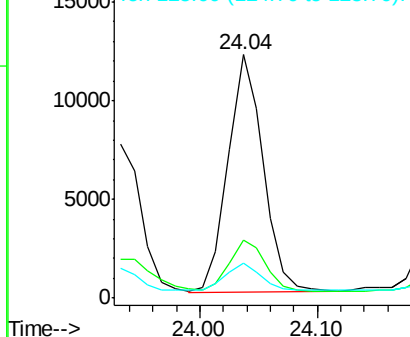
Delta R.T. 0.00 min

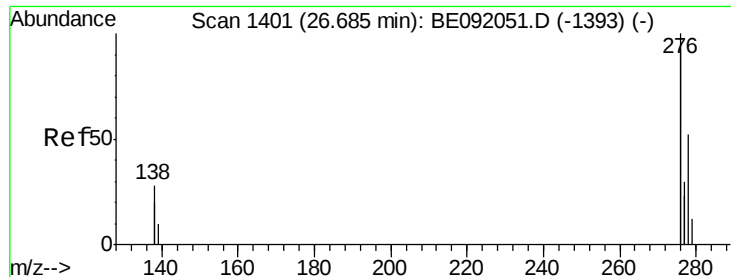
Lab File: BE092067.D

Acq: 28 Jul 2016 5:06

Tgt Ion:	252	Resp:	24966
Ion Ratio	Lower	Upper	
252	100		
253	24.0	19.8	29.8
125	14.5	10.4	15.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





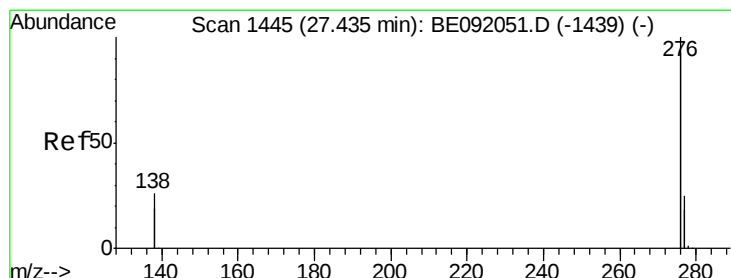
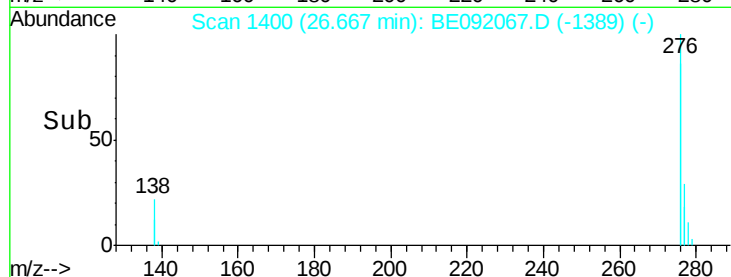
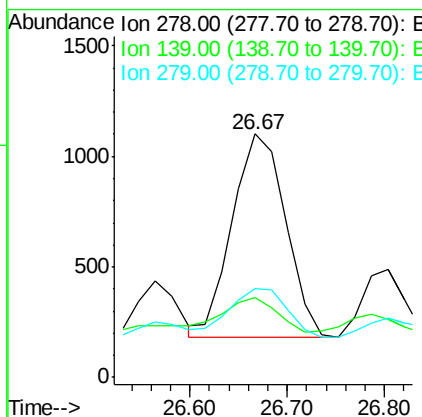
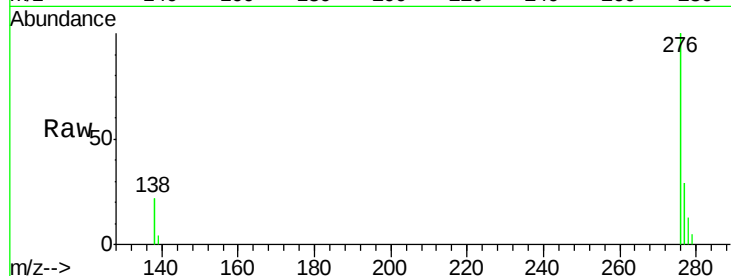
#44
Dibenzo(a,h)anthracene
Concen: 0.12 ng
RT: 26.67 min Scan# 1400
Delta R.T. -0.02 min
Lab File: BE092067.D
Acq: 28 Jul 2016 5:06

Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-004

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.8	16.7	25.1#
279	36.6	20.3	30.5#

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#45
Benzo(g,h,i)perylene
Concen: 0.52 ng
RT: 27.43 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BE092067.D
Acq: 28 Jul 2016 5:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.5	29.3
138	24.5	20.8	31.2

