

Data Path : Z:\HPCHEM1\BNA_E\Data\BE072716\
 Data File : BE092066.D
 Acq On : 28 Jul 2016 4:27
 Operator : UM/SJ
 Sample : H4107-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-005RE

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Quant Time: Aug 02 16:21:10 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	17058	5.00	ng	-0.02
8) Naphthalene-d8	10.99	136	83139	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	38304	5.00	ng	0.00
24) Phenanthrene-d10	17.58	188	115842	5.00	ng	0.00
31) Chrysene-d12	21.76	240	94595	5.00	ng	0.00
40) Perylene-d12	24.15	264	119147	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	22453	5.91	ng	-0.02
5) Phenol-d6	7.35	99	35457	6.99	ng	0.00
9) Nitrobenzene-d5	9.35	82	20204	3.26	ng	-0.02
16) 2,4,6-Tribromophenol	16.33	330	9571	5.42	ng	-0.02
17) 2-Fluorobiphenyl	13.47	172	50732	3.31	ng	0.00
34) Terphenyl-d14	20.20	244	82153	4.66	ng	0.00
Target Compounds						Qvalue
18) Acenaphthylene	14.56	152	7247	0.07	ng	98
22) Fluorene	15.90	166	1741	0.11	ng	95
28) Phenanthrene	17.63	178	15552	0.53	ng	100
29) Anthracene	17.72	178	3558	0.13	ng	97
30) Fluoranthene	19.63	202	65596	0.50	ng	100
33) Pyrene	19.99	202	61503	0.50	ng	# 94
35) Benzo(a)anthracene	21.73	228	10431m	0.24	ng	
37) Chrysene	21.78	228	4437m	0.12	ng	
38) Bis(2-ethylhexyl)phthalate	21.64	149	9523	0.17	ng	# 96
39) Indeno(1,2,3-cd)pyrene	26.65	276	10700	0.10	ng	94
41) Benzo(b)fluoranthene	23.41	252	7726m	0.19	ng	
42) Benzo(k)fluoranthene	23.46	252	3251m	0.05	ng	
43) Benzo(a)pyrene	24.04	252	5089	0.17	ng	# 90
45) Benzo(g,h,i)perylene	27.43	276	10630	0.10	ng	# 89

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

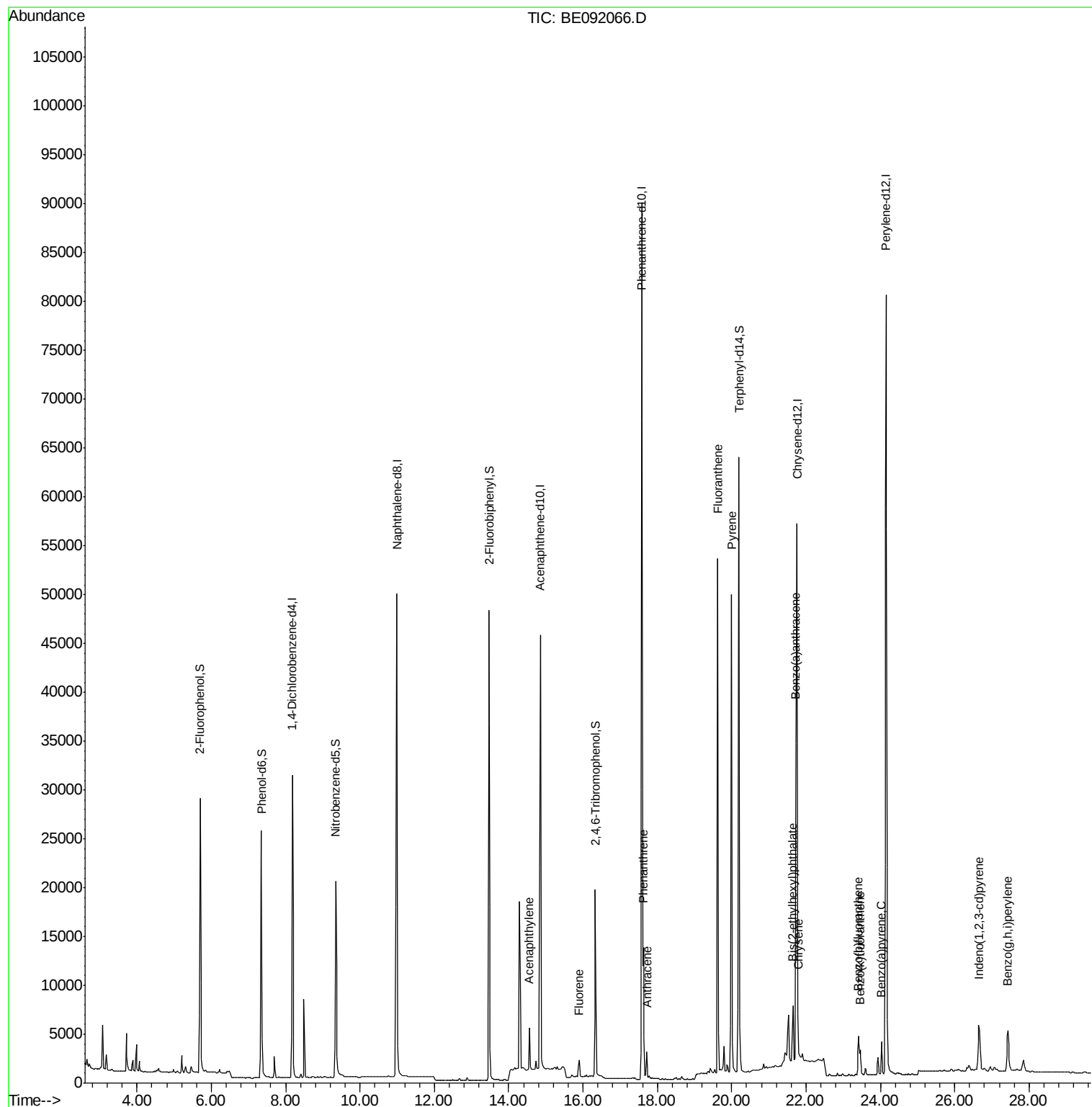
Data Path : Z:\HPCHEM1\BNA_E\Data\BE072716\
Data File : BE092066.D
Acq On : 28 Jul 2016 4:27
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Misc :
ALS Vial : 16 Sample Multiplier: 1

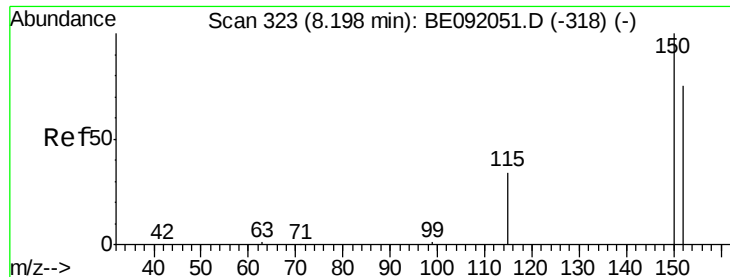
Instrument :
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TILCON-MH-SF-005RE

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Quant Time: Aug 02 16:21:10 2016
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: BE092066.D

Acq: 28 Jul 2016 4:27

Instrument :

BNA_E

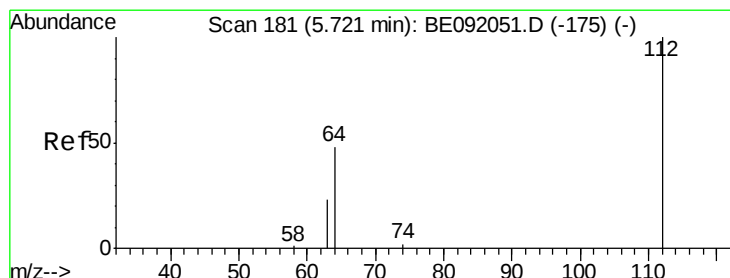
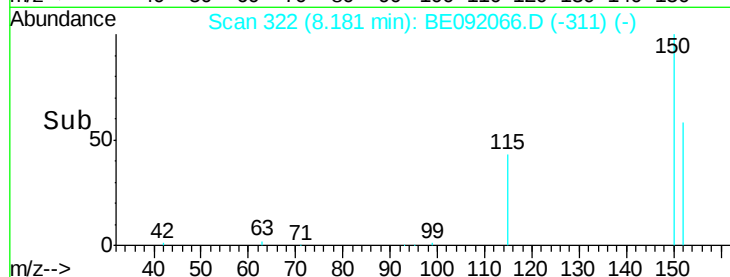
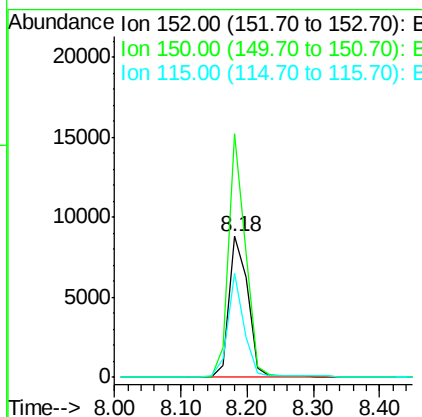
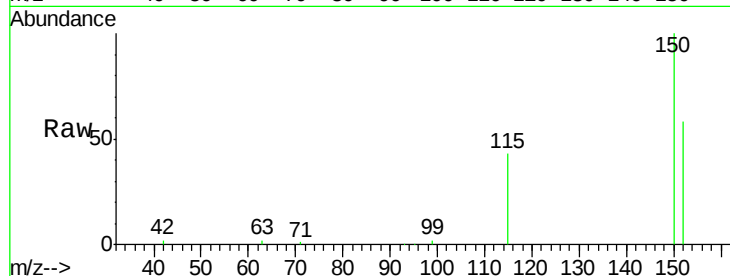
ClientSampleId :

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Tgt Ion:	152	Resp:	17058
Ion Ratio	Lower	Upper	
152	100		
150	172.7	106.0	159.0#
115	73.9	36.9	55.3#

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#4

2-Fluorophenol

Concen: 5.91 ng

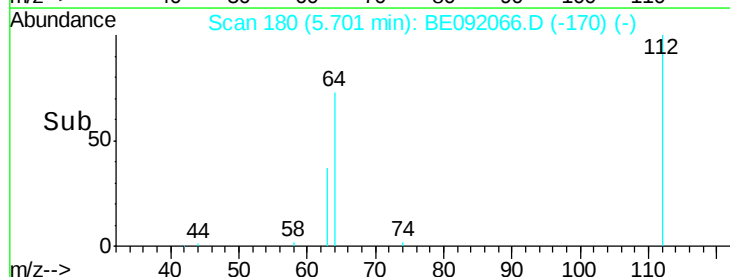
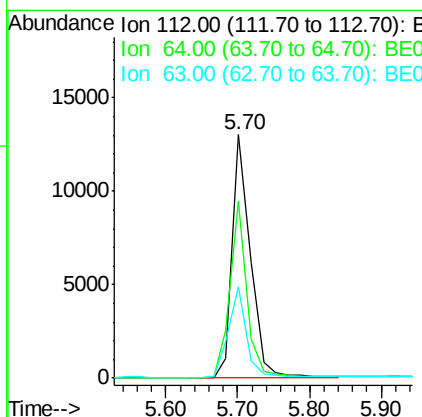
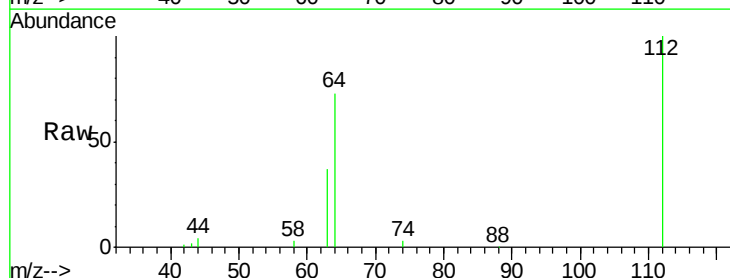
RT: 5.70 min Scan# 180

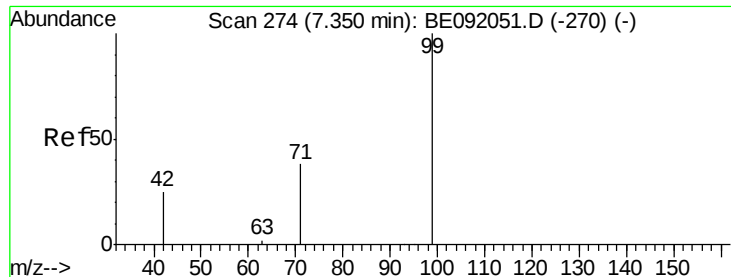
Delta R.T. -0.02 min

Lab File: BE092066.D

Acq: 28 Jul 2016 4:27

Tgt Ion:	112	Resp:	22453
Ion Ratio	Lower	Upper	
112	100		
64	68.1	55.9	83.9
63	36.8	31.1	46.7





#5

Phenol-d6

Concen: 6.99 ng

RT: 7.35 min Scan# 274

Delta R.T. 0.00 min

Lab File: BE092066.D

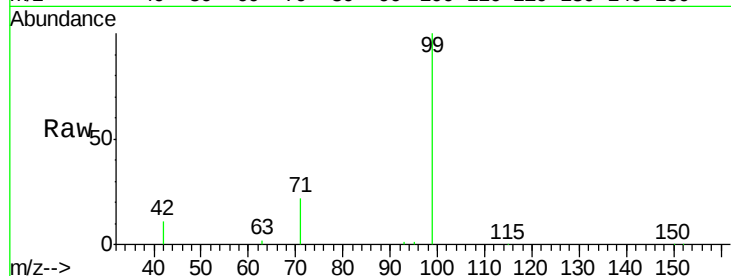
Acq: 28 Jul 2016 4:27

Instrument :

BNA_E

ClientSampleId :

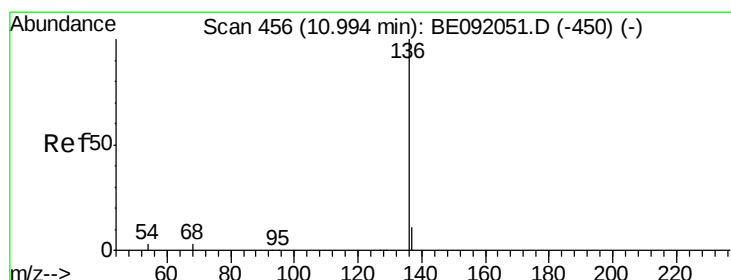
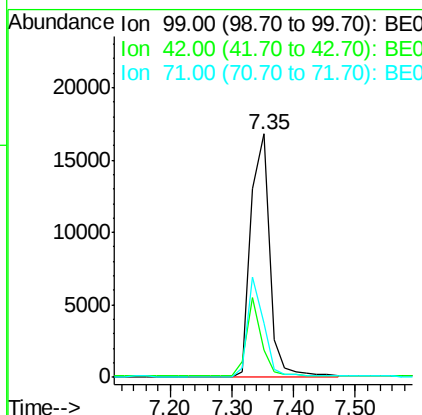
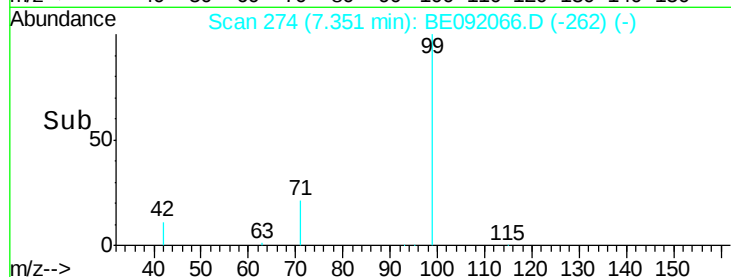
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Tgt Ion:	99	Resp:	35457
Ion Ratio	Lower	Upper	
99	100		
42	25.9	22.4	33.6
71	35.6	28.9	43.3

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#8

Naphthalene-d8

Concen: 5.00 ng

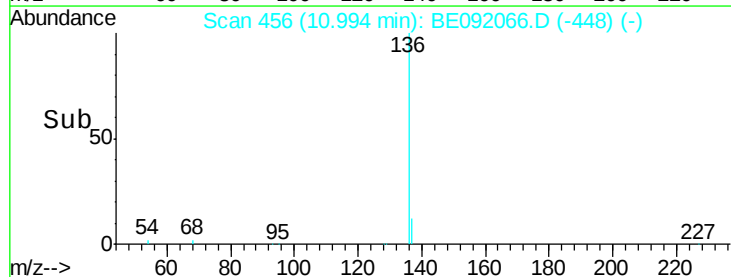
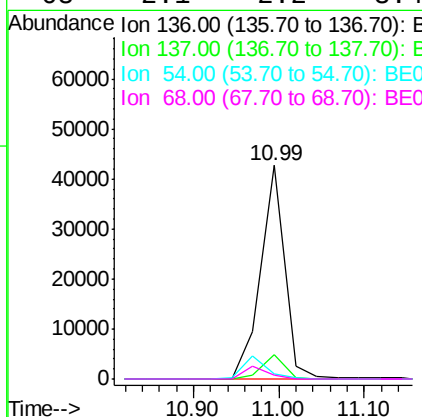
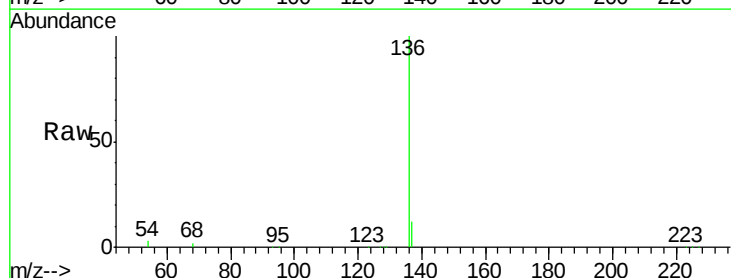
RT: 10.99 min Scan# 456

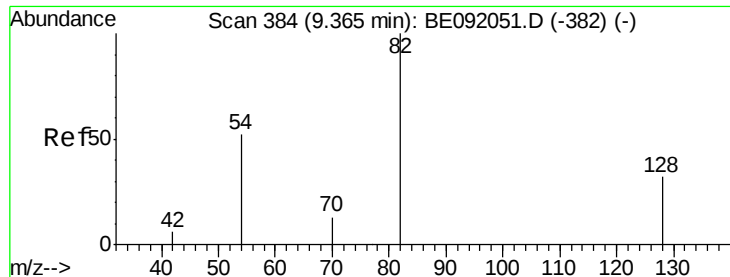
Delta R.T. 0.00 min

Lab File: BE092066.D

Acq: 28 Jul 2016 4:27

Tgt Ion:	136	Resp:	83139
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.1	13.7
54	2.5	2.7	4.1#
68	2.1	2.2	3.4#





#9

Nitrobenzene-d5

Concen: 3.26 ng

RT: 9.35 min Scan# 383

Delta R.T. -0.02 min

Lab File: BE092066.D

Acq: 28 Jul 2016 4:27

Instrument :

BNA_E

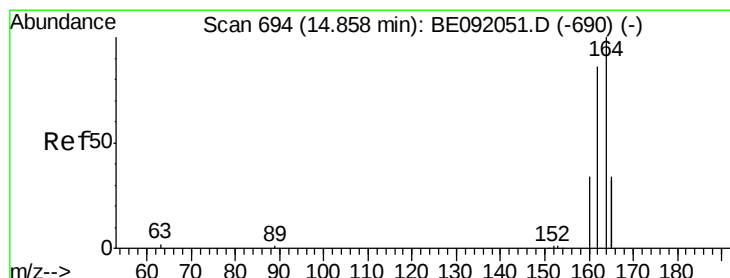
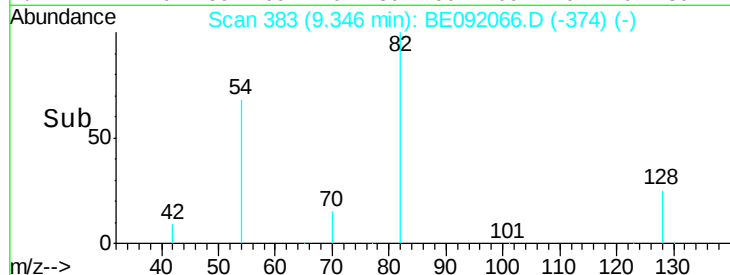
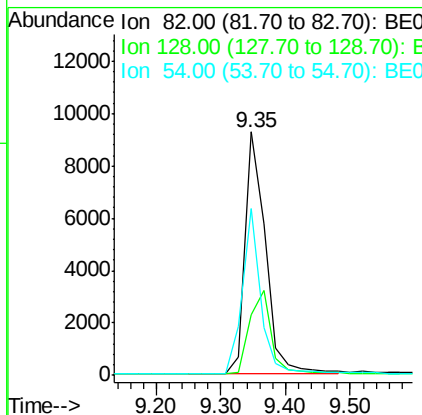
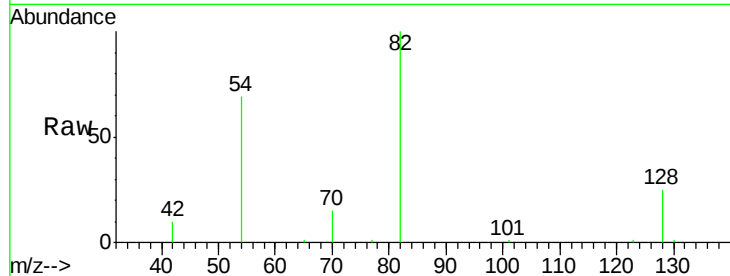
ClientSampleId :

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Tgt Ion:	82	Resp:	20204
Ion Ratio	Lower	Upper	
82	100		
128	25.1	33.0	49.4#
54	68.5	42.6	63.8#

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#15

Acenaphthene-d10

Concen: 5.00 ng

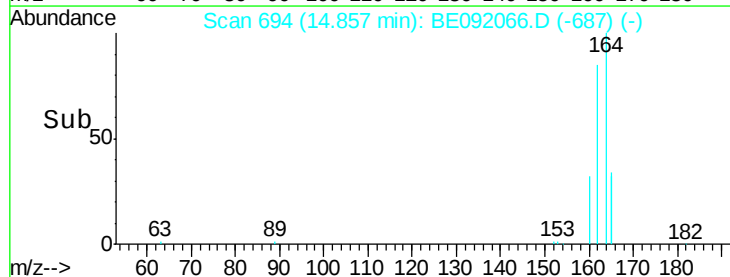
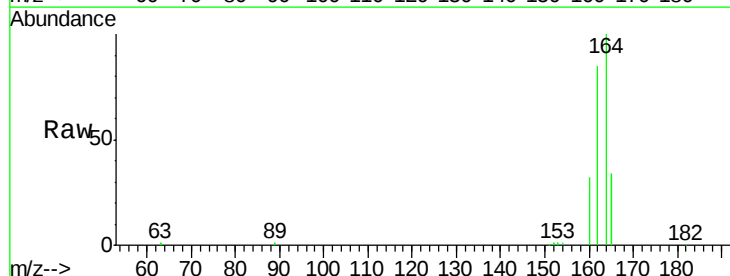
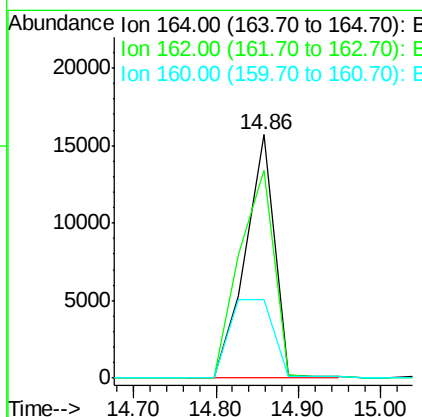
RT: 14.86 min Scan# 694

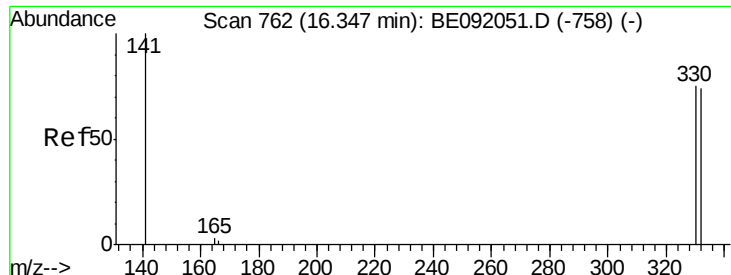
Delta R.T. -0.00 min

Lab File: BE092066.D

Acq: 28 Jul 2016 4:27

Tgt Ion:	164	Resp:	38304
Ion Ratio	Lower	Upper	
164	100		
162	85.2	69.5	104.3
160	32.4	27.6	41.4





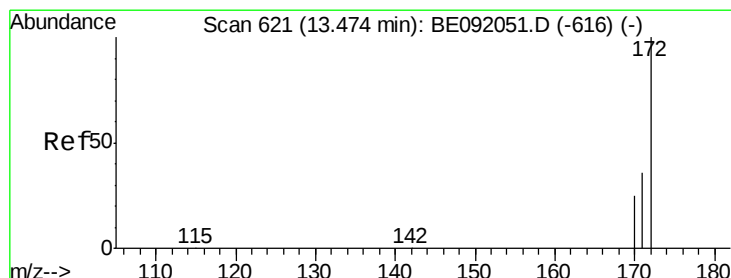
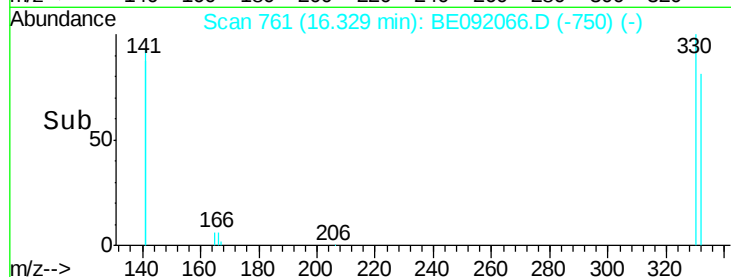
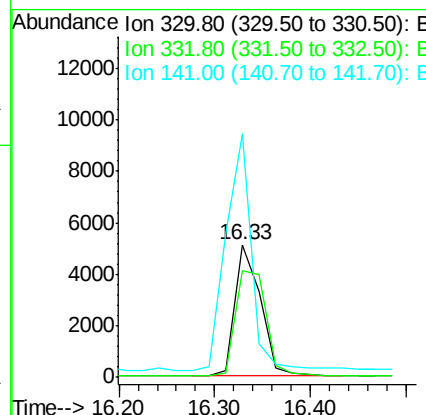
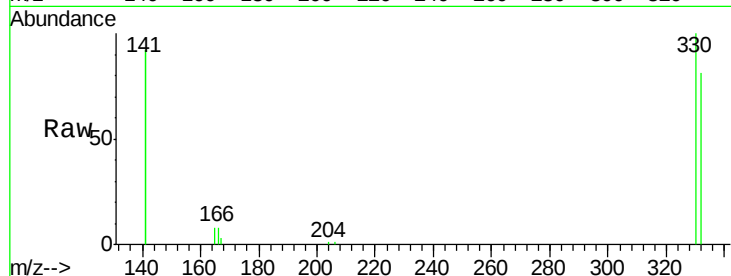
#16
 2,4,6-Tribromophenol
 Concen: 5.42 ng
 RT: 16.33 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: BE092066.D
 Acq: 28 Jul 2016 4:27

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-005RE

Tgt Ion:330 Resp: 9571
 Ion Ratio Lower Upper
 330 100
 332 96.2 74.2 111.4
 141 176.5 139.8 209.8

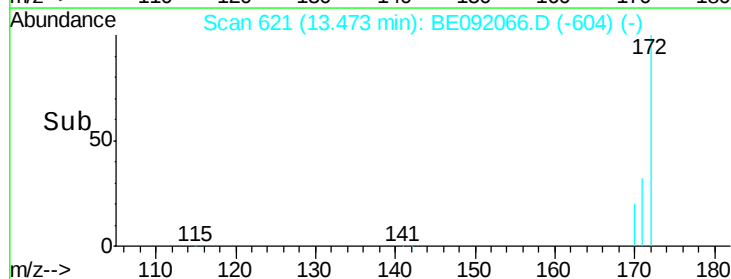
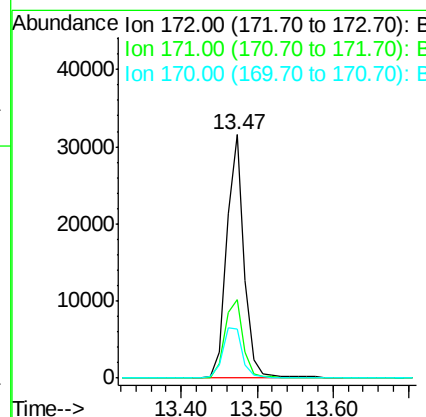
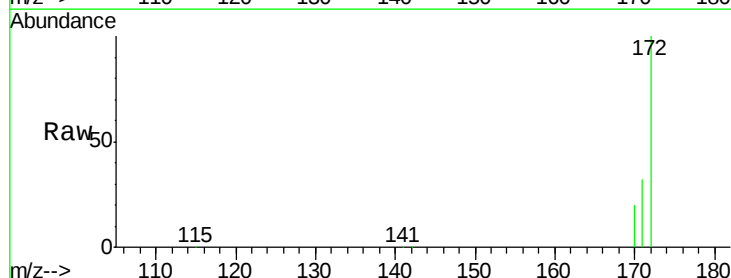
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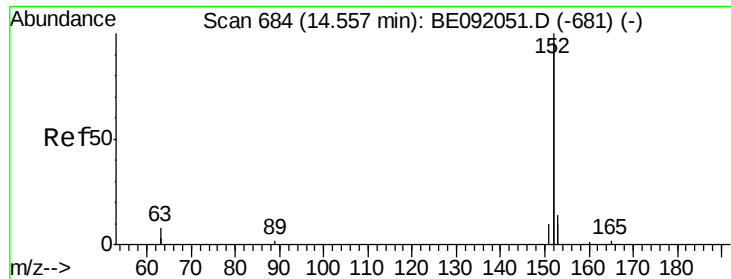
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#17
 2-Fluorobiphenyl
 Concen: 3.31 ng
 RT: 13.47 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: BE092066.D
 Acq: 28 Jul 2016 4:27

Tgt Ion:172 Resp: 50732
 Ion Ratio Lower Upper
 172 100
 171 32.3 30.3 45.5
 170 20.4 21.6 32.4#





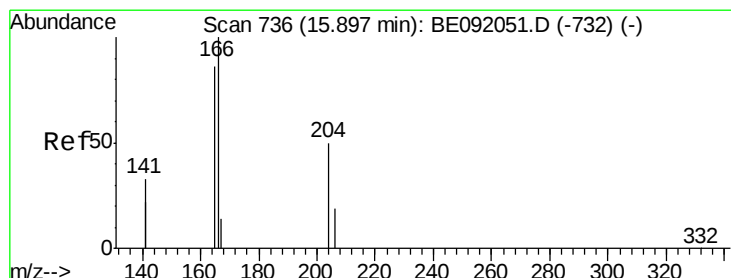
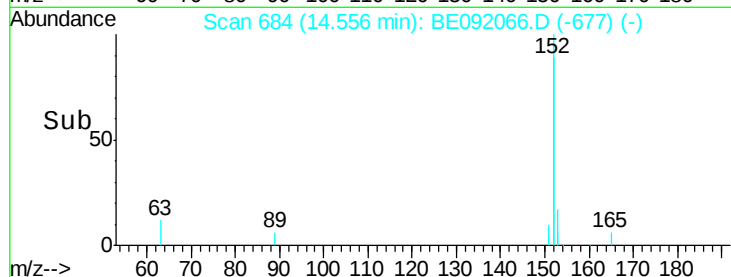
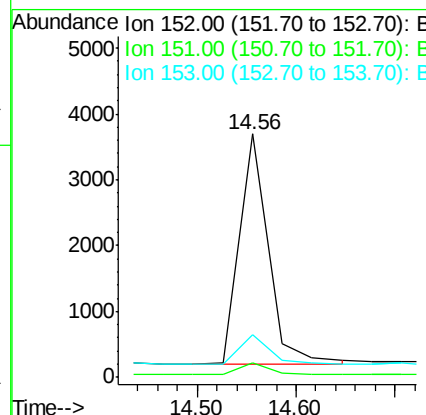
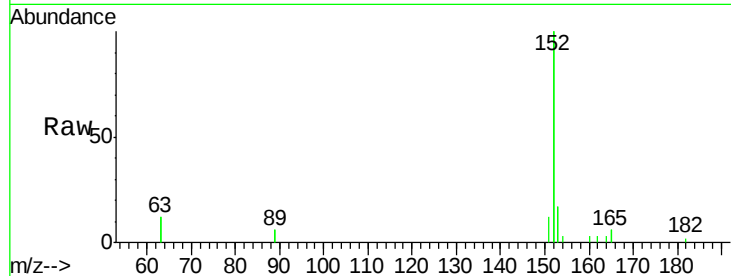
#18
Acenaphthylene
Concen: 0.07 ng
RT: 14.56 min Scan# 684
Delta R.T. -0.00 min
Lab File: BE092066.D
Acq: 28 Jul 2016 4:27

Instrument :
BNA_E
ClientSampleId :
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Tgt Ion:	152	Resp:	7247
Ion Ratio	Lower	Upper	
152	100		
151	5.0	4.0	6.0
153	12.9	9.6	14.4

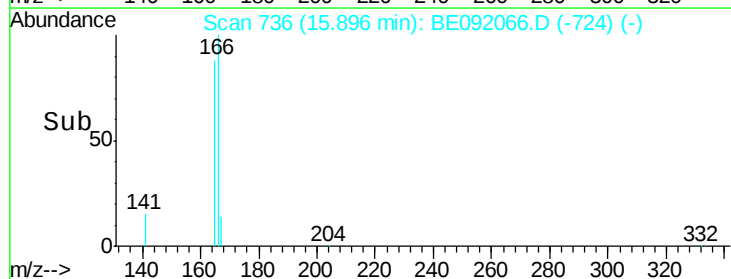
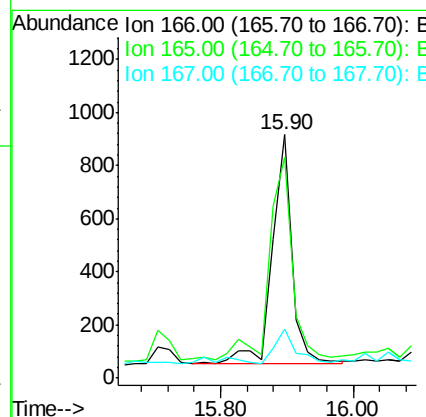
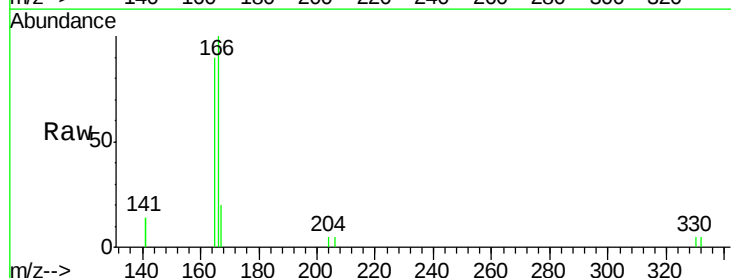
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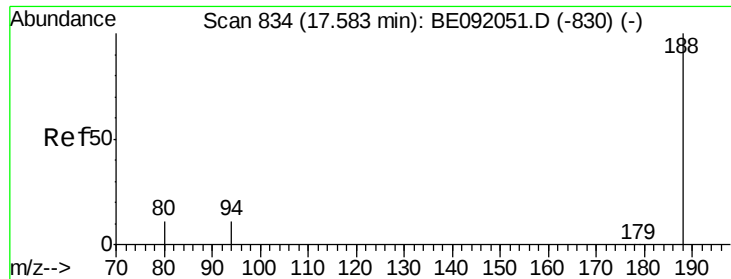
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#22
Fluorene
Concen: 0.11 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092066.D
Acq: 28 Jul 2016 4:27

Tgt Ion:	166	Resp:	1741
Ion Ratio	Lower	Upper	
166	100		
165	102.7	78.6	118.0
167	16.3	11.1	16.7





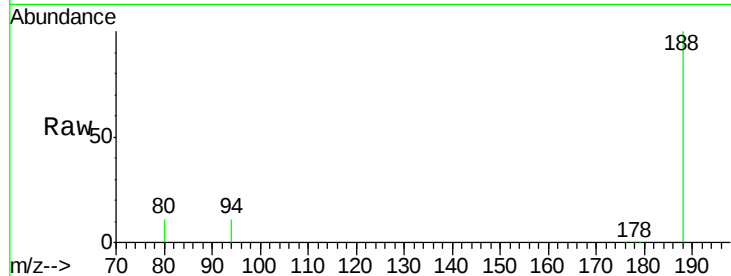
#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 834
Delta R.T. -0.00 min
Lab File: BE092066.D
Acq: 28 Jul 2016 4:27

Instrument :
BNA_E
ClientSampleId :
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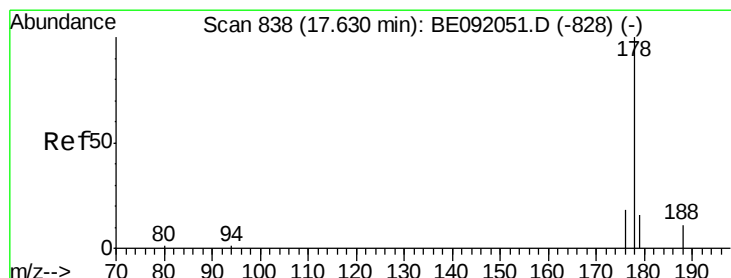
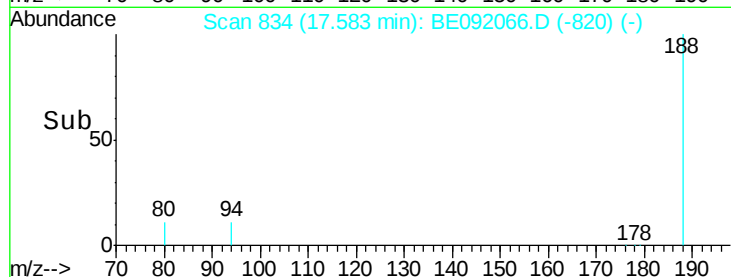
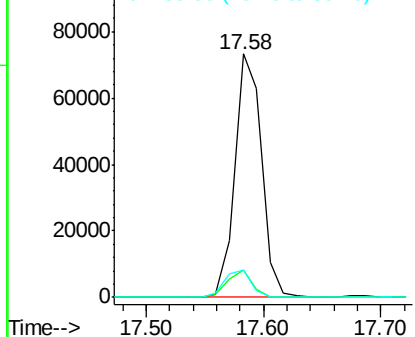
Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.3	3.9	5.9#
80	11.3	3.4	5.0#

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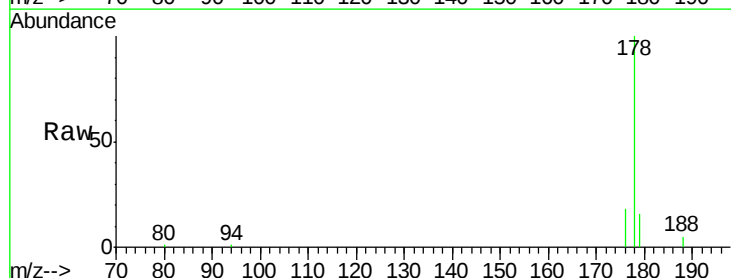


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

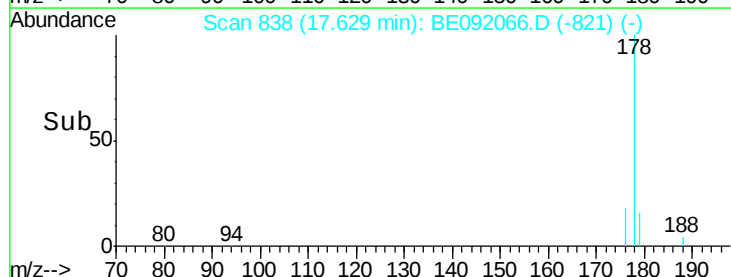
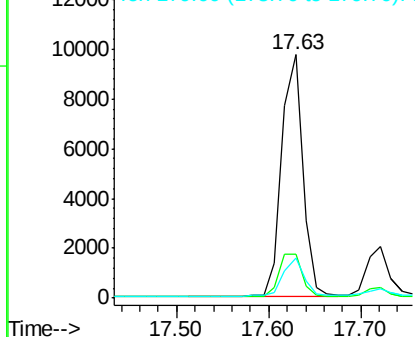


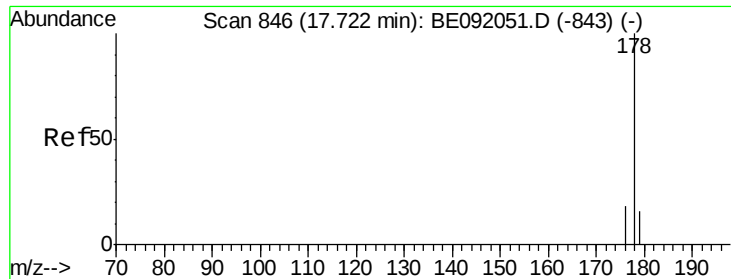
#28
Phenanthrene
Concen: 0.53 ng
RT: 17.63 min Scan# 838
Delta R.T. -0.00 min
Lab File: BE092066.D
Acq: 28 Jul 2016 4:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	15.4	23.0
179	16.1	12.7	19.1



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#29

Anthracene

Concen: 0.13 ng

RT: 17.72 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE092066.D

Acq: 28 Jul 2016 4:27

Instrument :

BNA_E

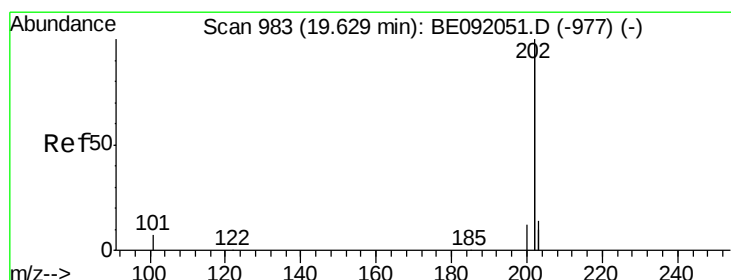
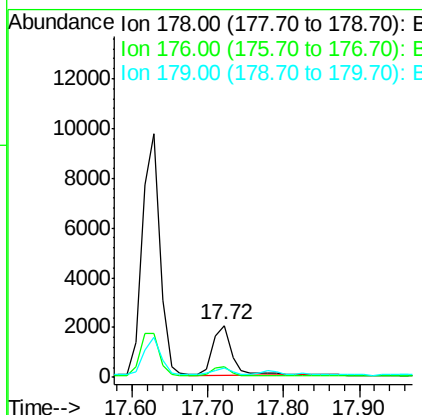
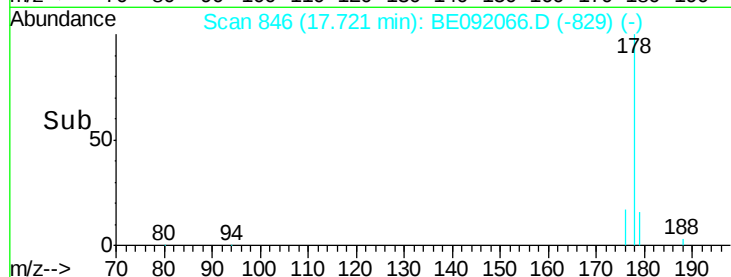
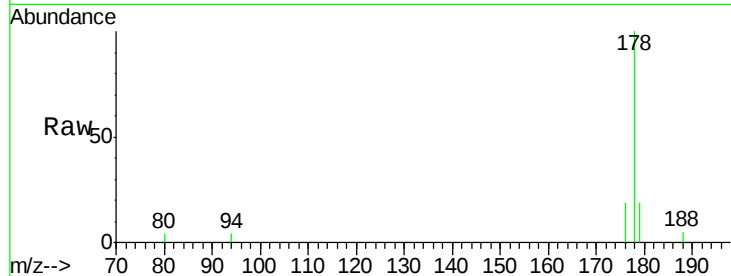
ClientSampleId :

TILCON-MH-SF-005RE

Tgt Ion:	178	Resp:	3558
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.2	22.8
179	13.5	12.2	18.4

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#30

Fluoranthene

Concen: 0.50 ng

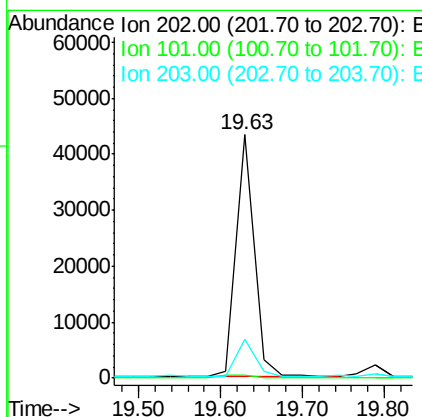
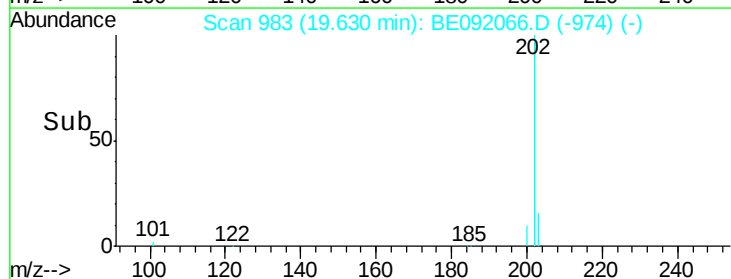
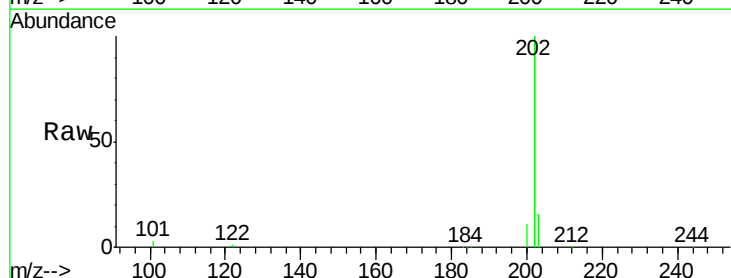
RT: 19.63 min Scan# 983

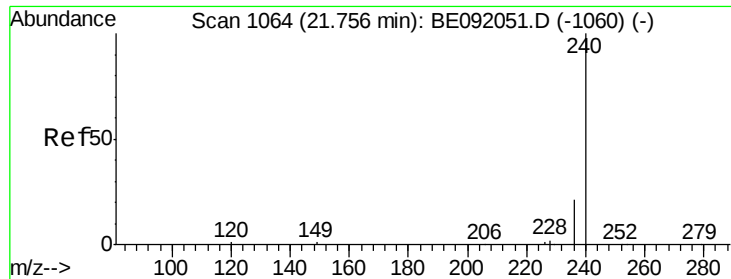
Delta R.T. 0.00 min

Lab File: BE092066.D

Acq: 28 Jul 2016 4:27

Tgt Ion:	202	Resp:	65596
Ion Ratio	Lower	Upper	
202	100		
101	2.3	2.2	3.2
203	16.2	13.0	19.4





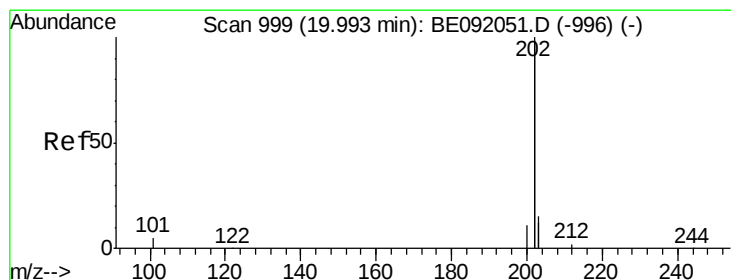
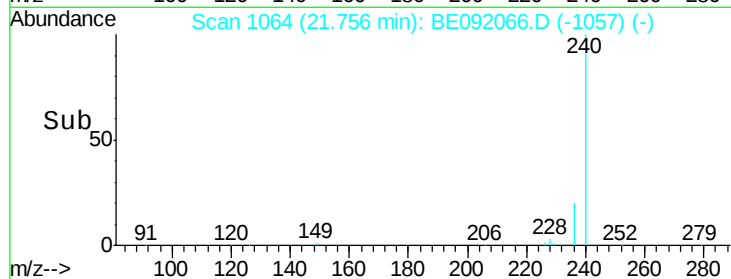
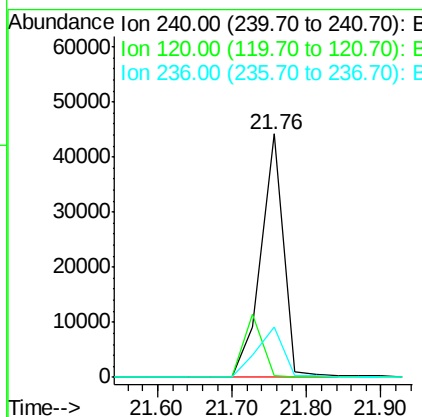
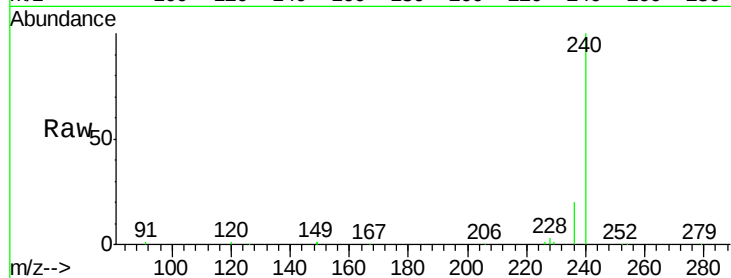
#31
Chrysene-d12
Concen: 5.00 ng
RT: 21.76 min Scan# 1064
Delta R.T. -0.00 min
Lab File: BE092066.D
Acq: 28 Jul 2016 4:27

Instrument :
BNA_E
ClientSampleId :
TILCON-MH-SF-005RE

Tgt Ion	Ratio	Lower	Upper
240	100		
120	0.7	0.6	1.0
236	20.5	18.2	27.4

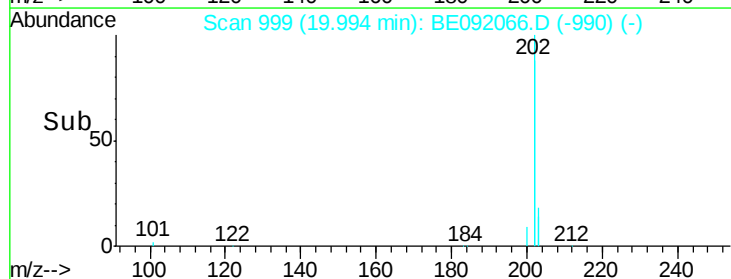
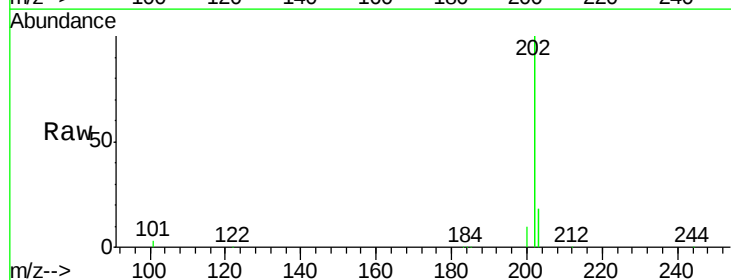
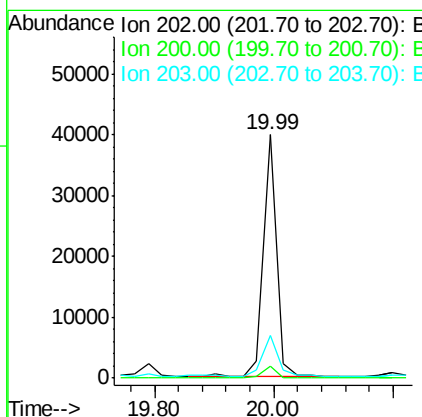
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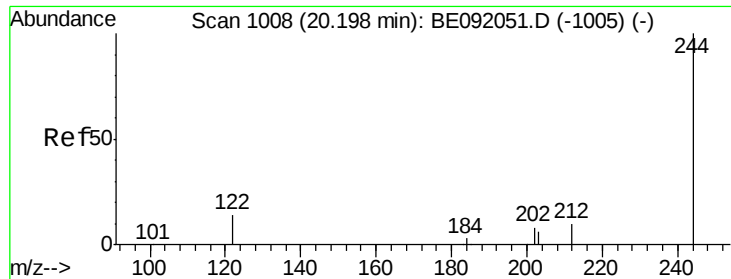
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#33
Pyrene
Concen: 0.50 ng
RT: 19.99 min Scan# 999
Delta R.T. 0.00 min
Lab File: BE092066.D
Acq: 28 Jul 2016 4:27

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.2	4.4	6.6
203	20.3	13.4	20.0





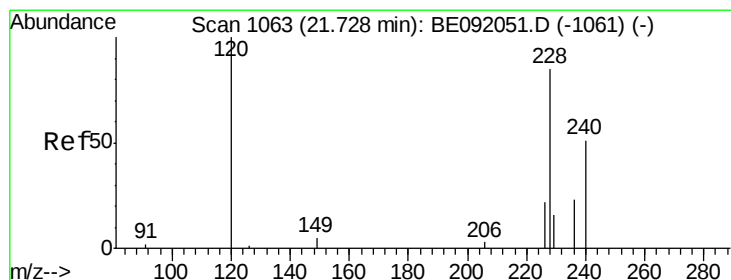
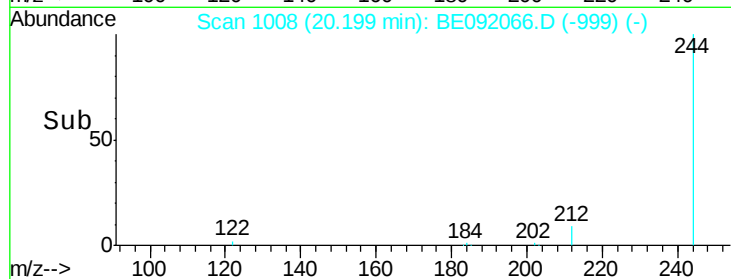
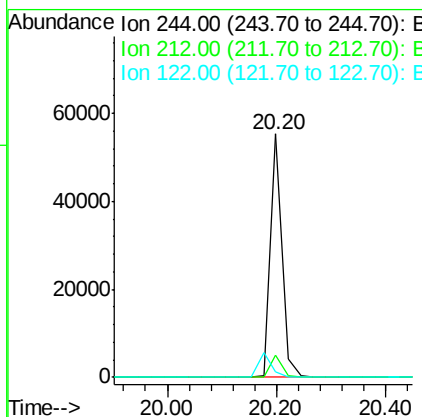
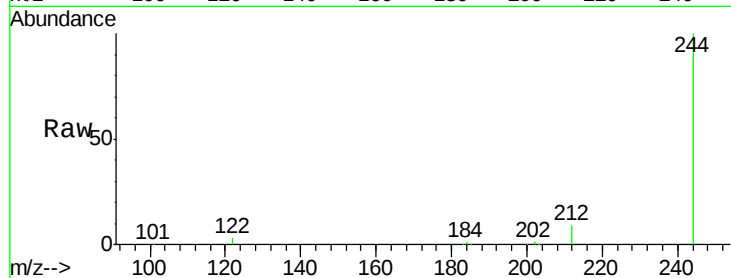
#34
 Terphenyl-d14
 Concen: 4.66 ng
 RT: 20.20 min Scan# 1008
 Delta R.T. 0.00 min
 Lab File: BE092066.D
 Acq: 28 Jul 2016 4:27

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-005RE

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.9	9.1	13.7#
122	2.5	11.0	16.4#

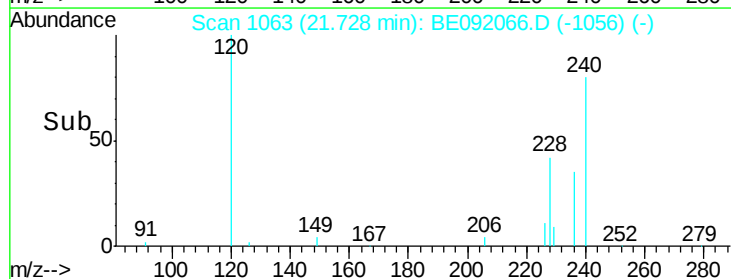
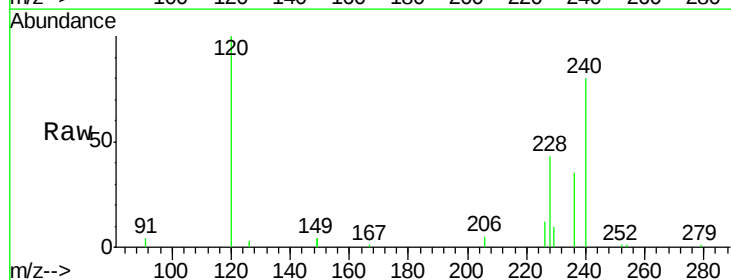
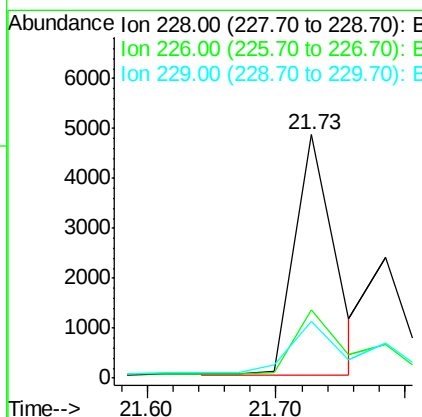
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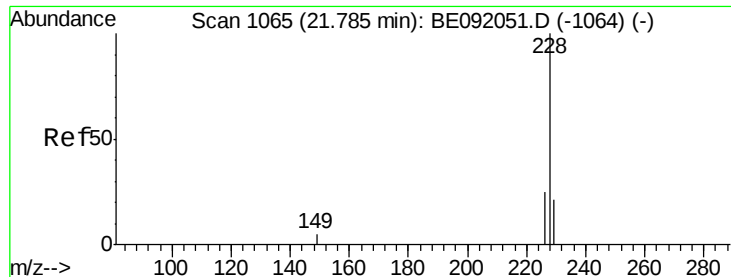
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#35
 Benzo(a)anthracene
 Concen: 0.24 ng m
 RT: 21.73 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: BE092066.D
 Acq: 28 Jul 2016 4:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.1	33.1
229	23.2	15.1	22.7#





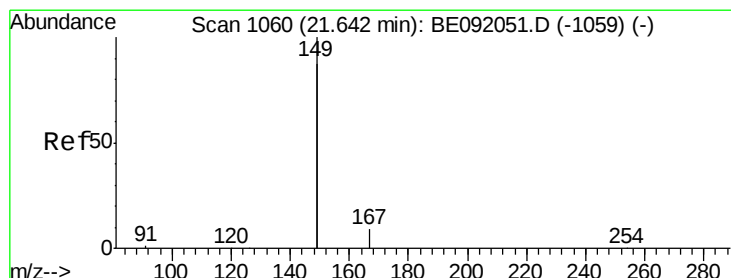
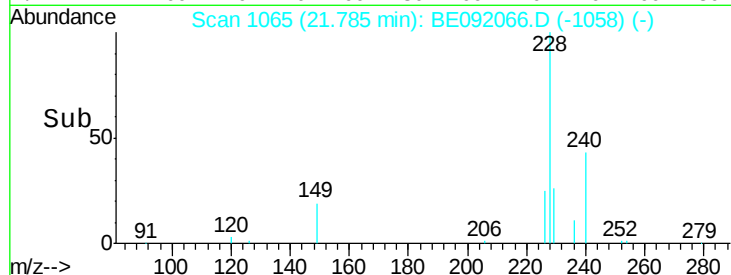
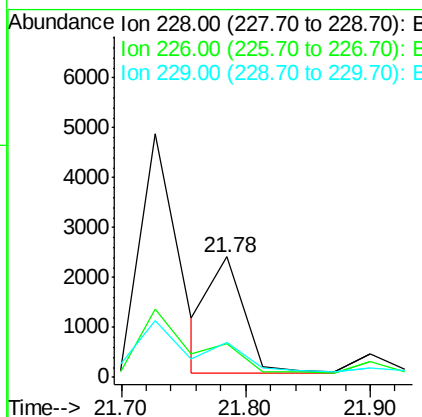
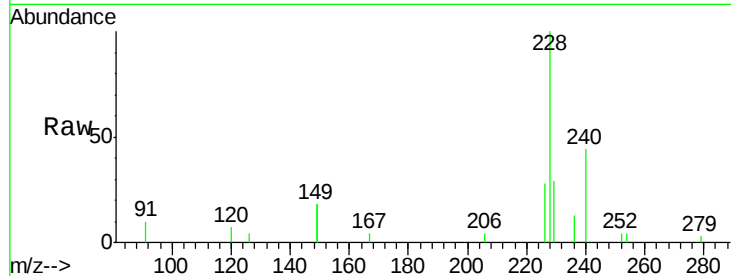
#37
Chrysene
 Concen: 0.12 ng m
 RT: 21.78 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: BE092066.D
 Acq: 28 Jul 2016 4:27

Instrument :
 BNA_E
 ClientSampleId :
 TILCON-MH-SF-005RE

Tgt Ion: 228 Resp: 4437
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.3 33.5
 229 29.1 16.9 25.3#

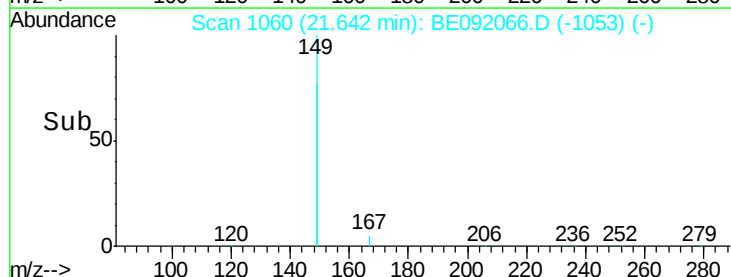
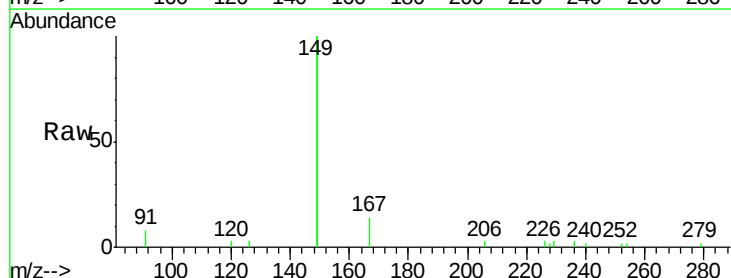
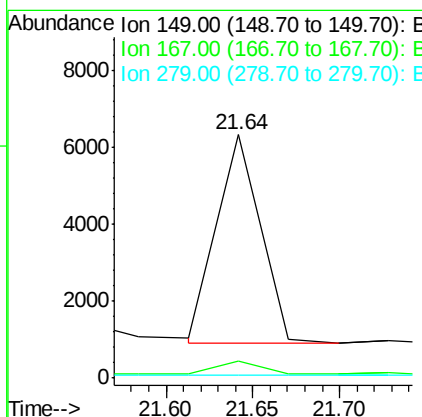
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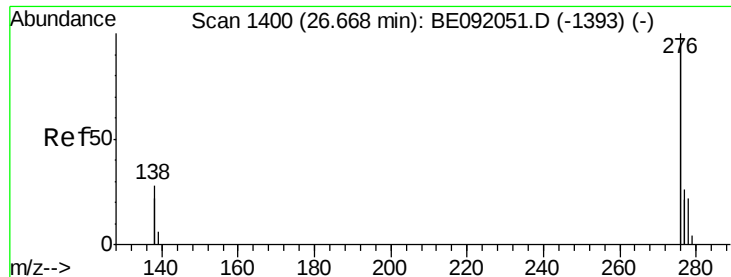
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#38
Bis(2-ethylhexyl)phthalate
 Concen: 0.17 ng
 RT: 21.64 min Scan# 1060
 Delta R.T. 0.00 min
 Lab File: BE092066.D
 Acq: 28 Jul 2016 4:27

Tgt Ion: 149 Resp: 9523
 Ion Ratio Lower Upper
 149 100
 167 5.9 3.8 5.6#
 279 0.0 0.0 0.0





#39

Indeno(1,2,3-cd)pyrene

Concen: 0.10 ng

RT: 26.65 min Scan# 1398

Delta R.T. -0.02 min

Lab File: BE092066.D

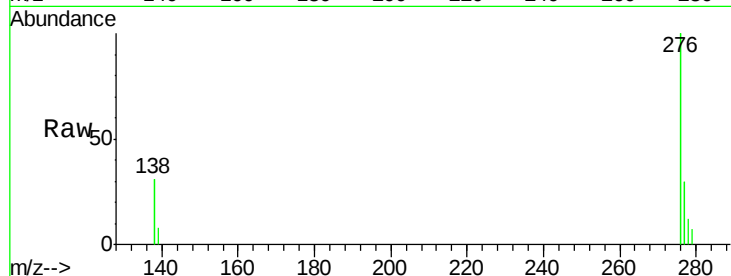
Acq: 28 Jul 2016 4:27

Instrument :

BNA_E

ClientSampleId :

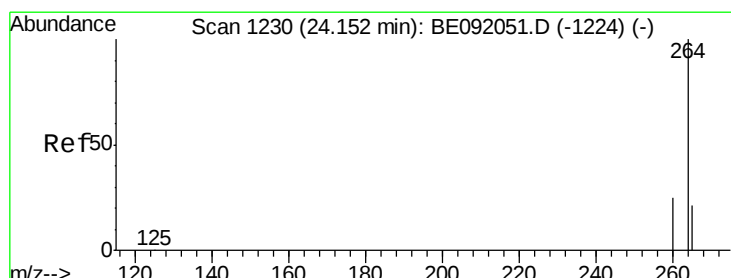
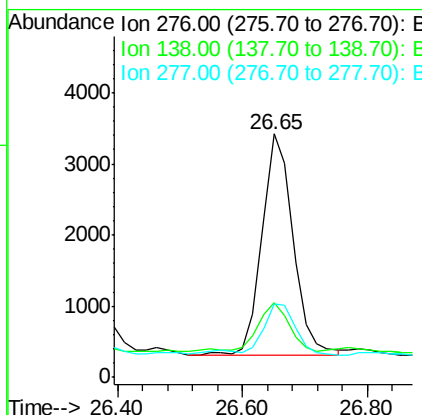
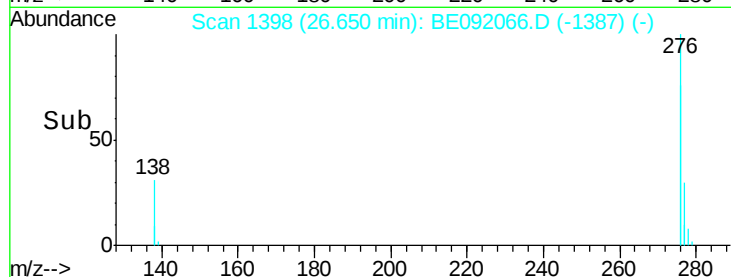
TILCON-MH-SF-005RE



Tgt Ion:	276	Resp:	10700
Ion Ratio	Lower	Upper	
276	100		
138	21.5	21.2	31.8
277	23.4	19.8	29.8

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#40

Perylene-d12

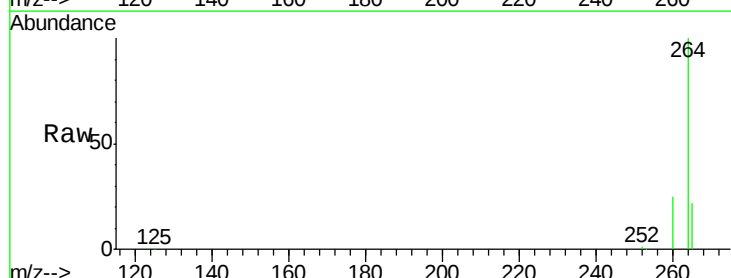
Concen: 5.00 ng

RT: 24.15 min Scan# 1229

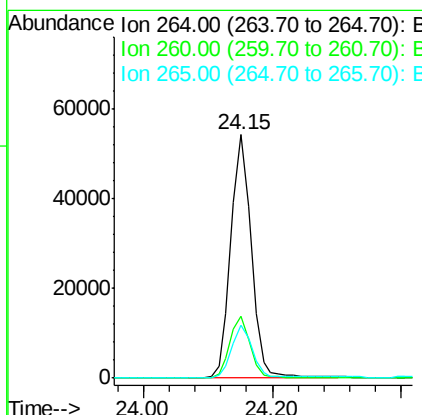
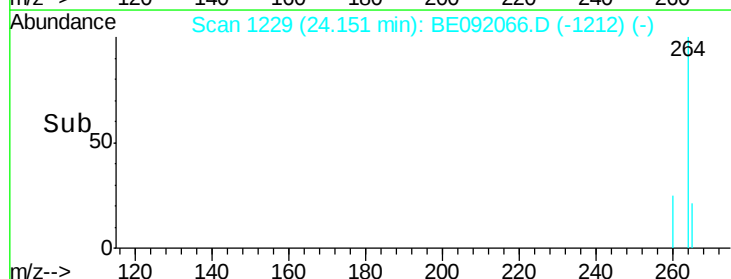
Delta R.T. -0.00 min

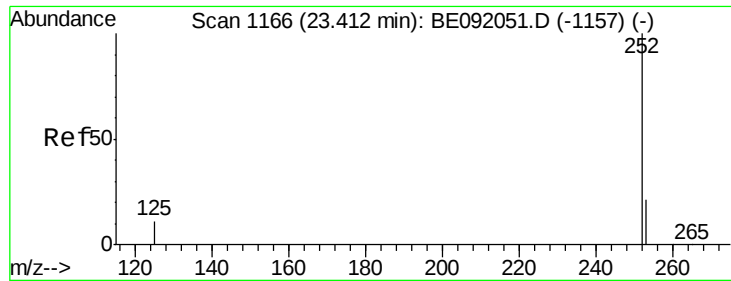
Lab File: BE092066.D

Acq: 28 Jul 2016 4:27



Tgt Ion:	264	Resp:	119147
Ion Ratio	Lower	Upper	
264	100		
260	25.3	20.8	31.2
265	21.7	16.6	25.0





#41

Benzo(b)fluoranthene

Concen: 0.19 ng m

RT: 23.41 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BE092066.D

Acq: 28 Jul 2016 4:27

Instrument :

BNA_E

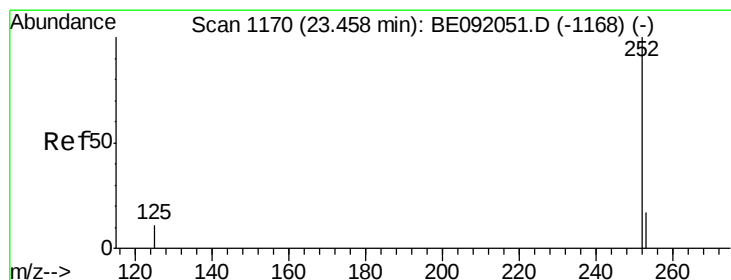
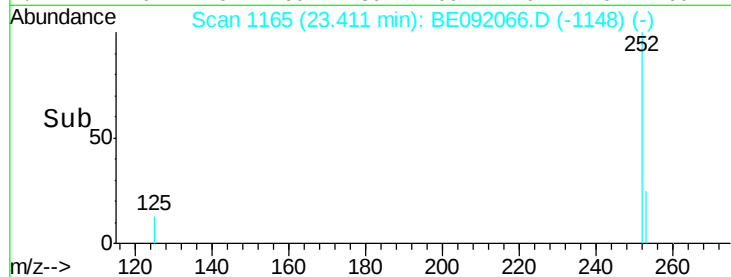
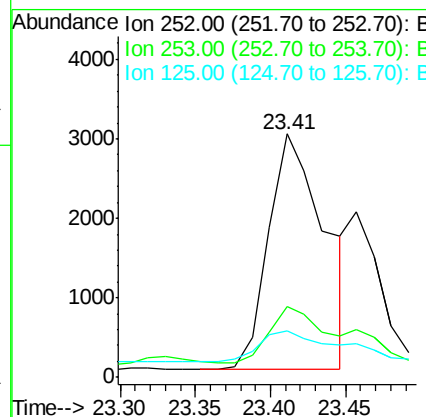
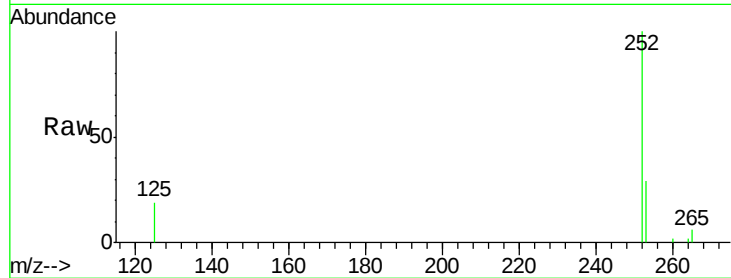
ClientSampleId :

TILCON-MH-SF-005RE

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.4	26.0#
125	19.0	10.2	15.2#

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#42

Benzo(k)fluoranthene

Concen: 0.05 ng m

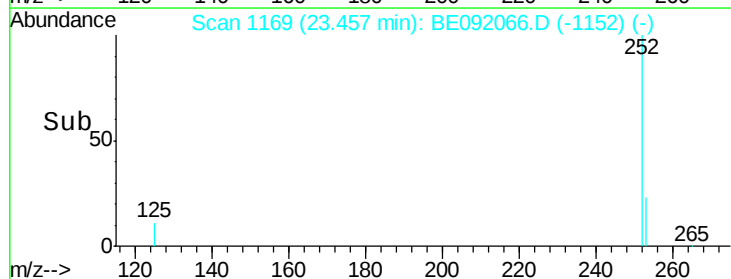
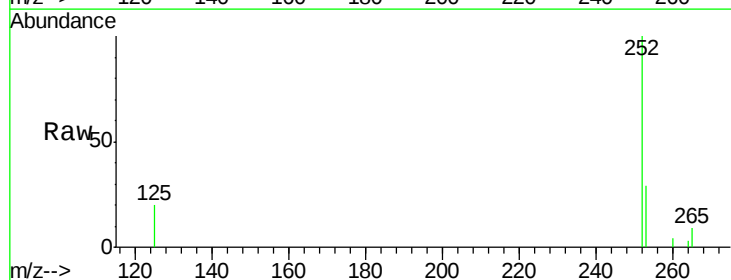
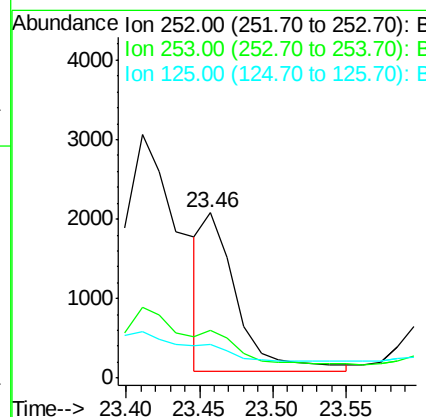
RT: 23.46 min Scan# 1169

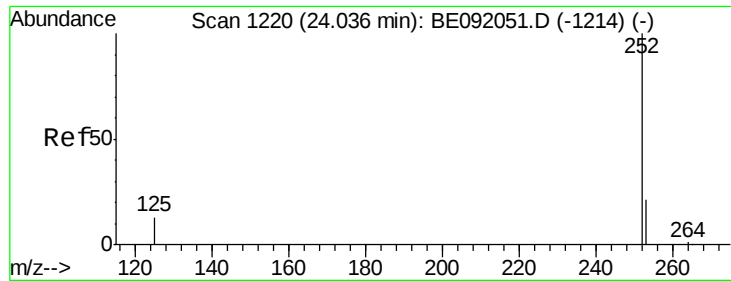
Delta R.T. -0.00 min

Lab File: BE092066.D

Acq: 28 Jul 2016 4:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.9	19.4	29.0
125	20.3	8.9	13.3#





#43

Benzo(a)pyrene

Concen: 0.17 ng

RT: 24.04 min Scan# 1219

Delta R.T. -0.00 min

Lab File: BE092066.D

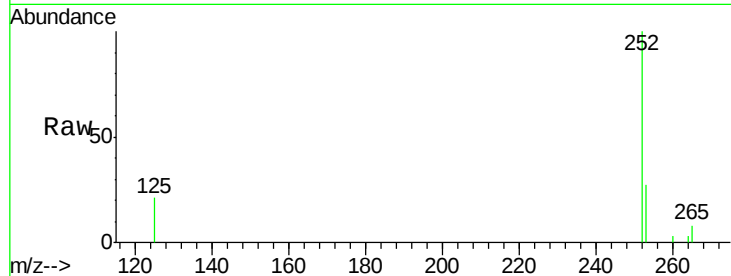
Acq: 28 Jul 2016 4:27

Instrument :

BNA_E

ClientSampleId :

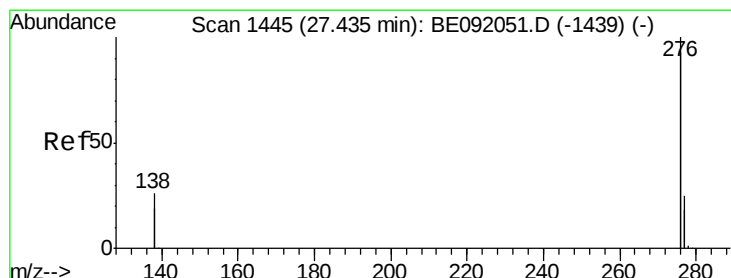
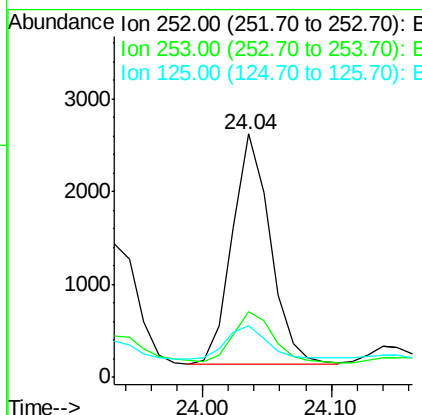
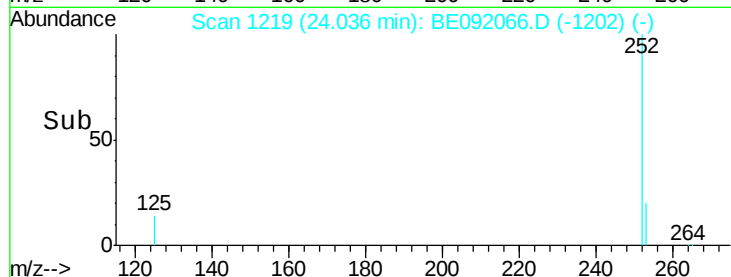
TILCON-MH-SF-005RE



Tgt Ion:	252	Resp:	5089
Ion Ratio	Lower	Upper	
252	100		
253	26.7	19.8	29.8
125	21.3	10.4	15.6#

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#45

Benzo(g,h,i)perylene

Concen: 0.10 ng

RT: 27.43 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BE092066.D

Acq: 28 Jul 2016 4:27

Tgt Ion:	276	Resp:	10630
Ion Ratio	Lower	Upper	
276	100		
277	31.2	19.5	29.3#
138	29.9	20.8	31.2

