

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE093016\
 Data File : BE092436.D
 Acq On : 30 Sep 2016 15:11
 Operator : UM/SJ
 Sample : PB93716BSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB93716BSD

Manual Integrations
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Quant Time: Sep 30 19:09:41 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 18:25:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	10488	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	45308	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	29602	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	55260	5.00	ng	0.02
24) Chrysene-d12	21.75	240	90438	5.00	ng	0.00
31) Perylene-d12	24.11	264	77171	5.00	ng	0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	15866	6.43	ng	-0.02
5) Phenol-d6	7.34	99	20959	5.96	ng	-0.02
8) Nitrobenzene-d5	9.34	82	9859	3.08	ng	-0.02
13) 2,4,6-Tribromophenol	16.31	330	5847	5.62	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	24040	3.43	ng	-0.01
26) Terphenyl-d14	20.17	244	33617	3.00	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	3.41	88	3470	3.05	ng	# 82
3) n-Nitrosodimethylamine	3.76	42	5311	3.26	ng	# 99
6) bis(2-Chloroethyl)ether	7.59	93	8668	3.16	ng	95
9) Naphthalene	10.99	128	30971	3.16	ng	# 95
10) Hexachlorobutadiene	11.28	225	4703	3.05	ng	99
11) 2-Methylnaphthalene	12.62	142	20613	3.18	ng	# 91
15) Acenaphthylene	14.52	152	137417	3.21	ng	100
16) Acenaphthene	14.88	154	20710	3.08	ng	94
17) Fluorene	15.87	166	27308	3.21	ng	100
19) Hexachlorobenzene	16.89	284	8171	3.45	ng	# 64
20) Pentachlorophenol	17.23	266	6849	7.92	ng	# 86
21) Phenanthrene	17.60	178	45940	3.62	ng	# 94
22) Anthracene	17.70	178	47303	3.87	ng	99
23) Fluoranthene	19.61	202	211108	3.50	ng	98
25) Pyrene	19.97	202	231008	2.95	ng	99
27) Benzo(a)anthracene	21.72	228	284345m	3.23	ng	
28) Chrysene	21.77	228	257417m	3.19	ng	
29) Bis(2-ethylhexyl)phthalate	21.63	149	22755	3.00	ng	# 74
30) Indeno(1,2,3-cd)pyrene	26.62	276	288115	3.36	ng	98
32) Benzo(b)fluoranthene	23.38	252	66938	3.58	ng	# 96
33) Benzo(k)fluoranthene	23.43	252	62638	3.20	ng	95
34) Benzo(a)pyrene	24.01	252	63548	3.47	ng	# 95
35) Dibenzo(a,h)anthracene	26.63	278	60231	3.59	ng	95
36) Benzo(g,h,i)perylene	27.38	276	247873	3.44	ng	97

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

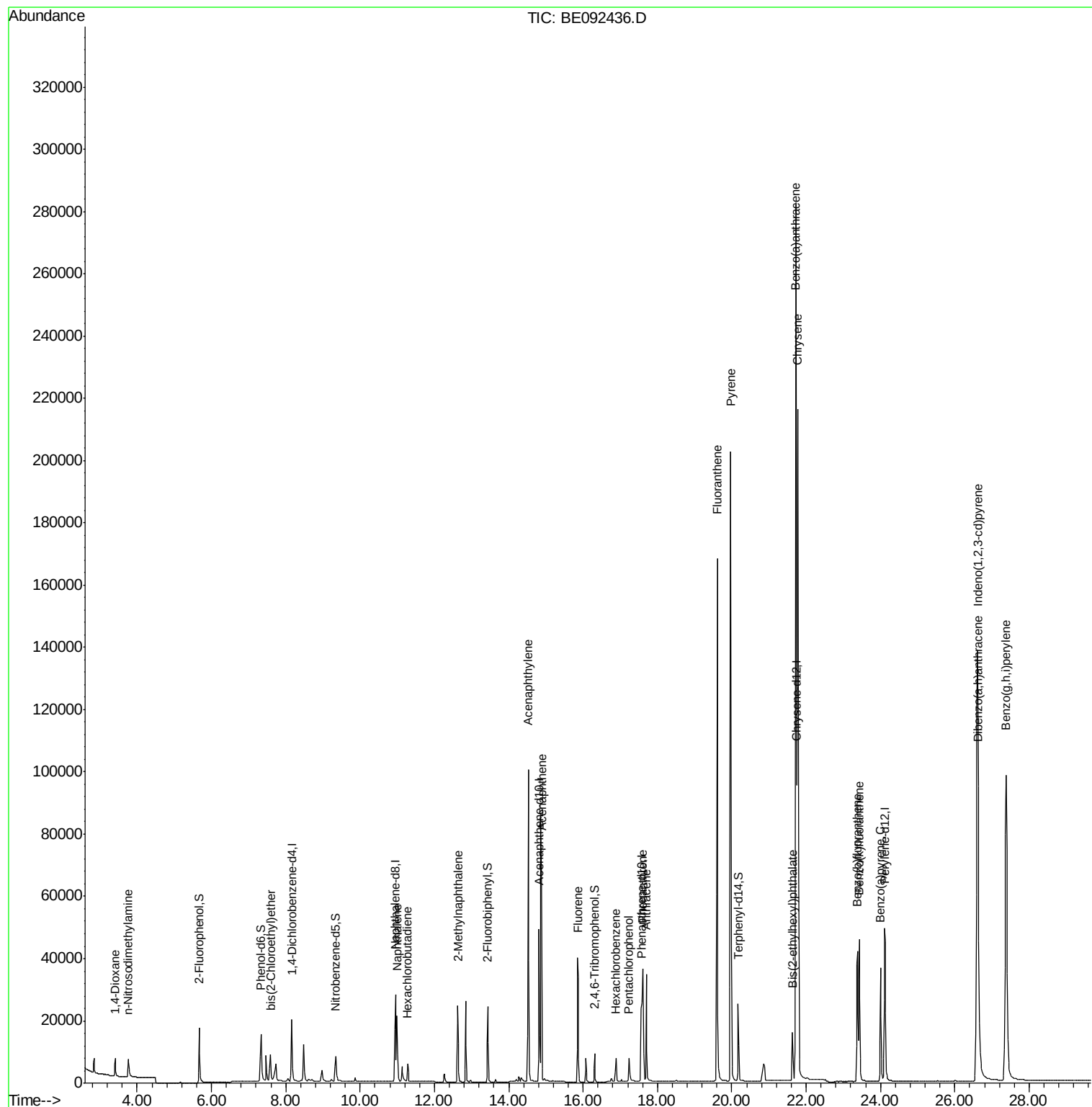
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE093016\
Data File : BE092436.D
Acq On : 30 Sep 2016 15:11
Operator : UM/SJ
Sample : PB93716BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

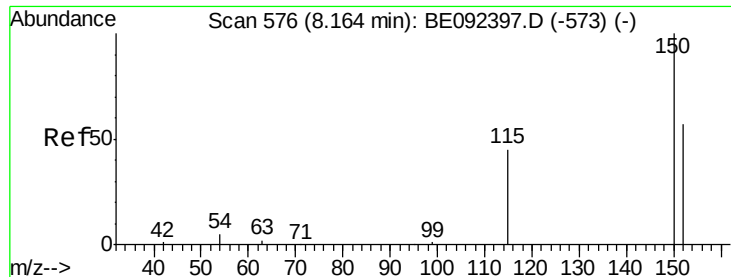
Instrument :
BNA_E
ClientSampleId :
PB93716BSD

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Quant Time: Sep 30 19:09:41 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 22 18:25:56 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092436.D

Acq: 30 Sep 2016 15:11

Instrument :

BNA_E

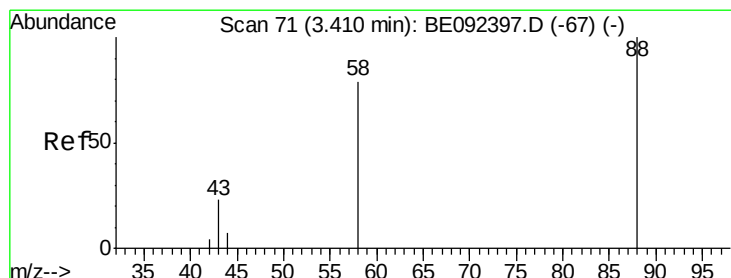
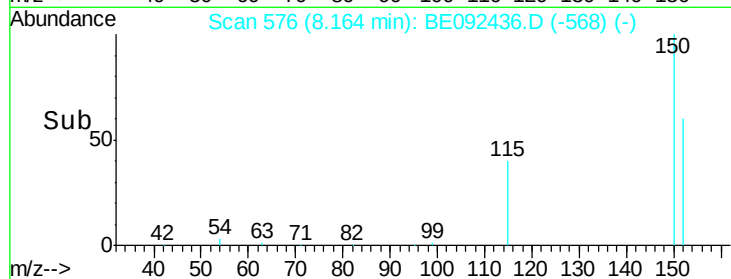
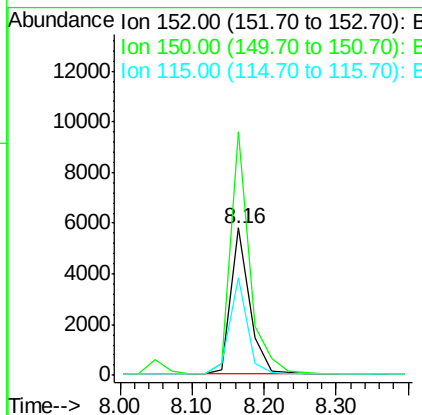
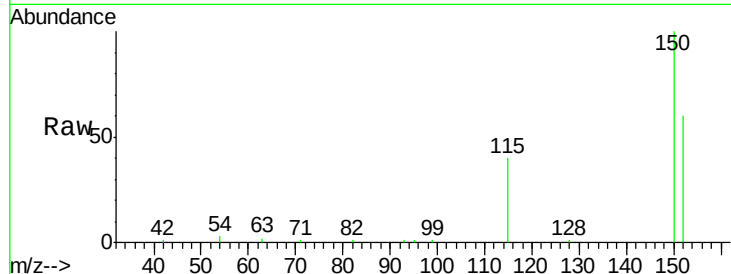
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
152	100		
150	165.3	106.0	159.0#
115	66.0	31.2	46.8#

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#2

1,4-Dioxane

Concen: 3.05 ng

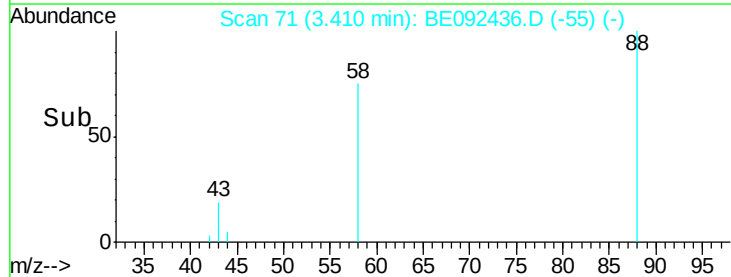
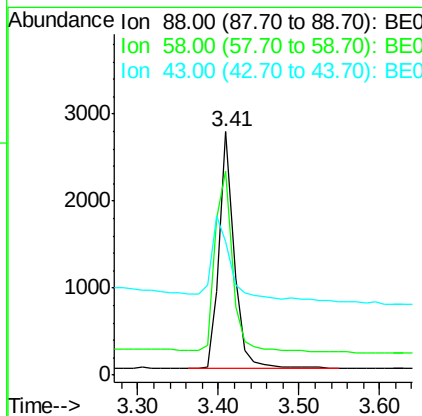
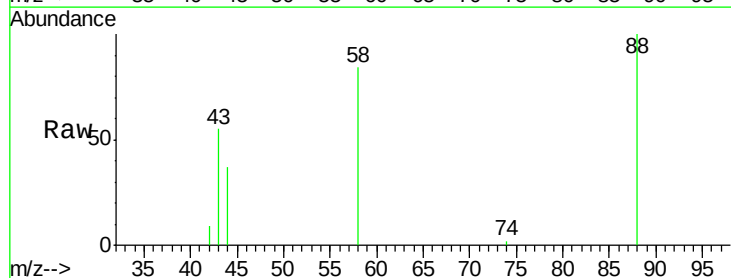
RT: 3.41 min Scan# 71

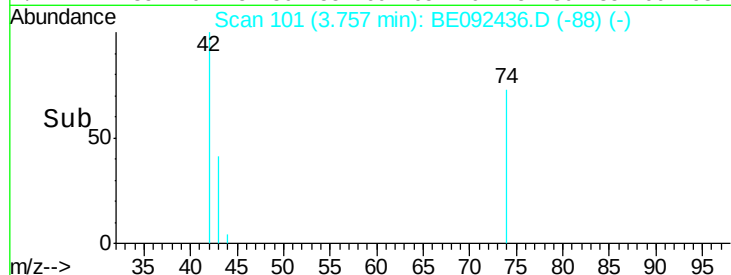
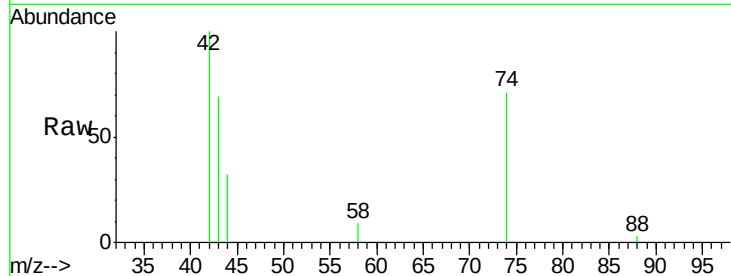
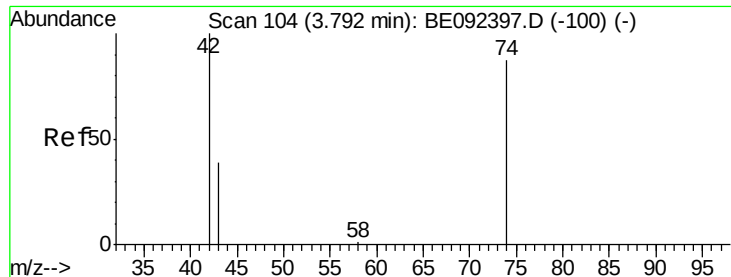
Delta R.T. -0.01 min

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Tgt Ion	Ratio	Lower	Upper
88	100		
58	91.6	63.6	95.4
43	50.3	28.0	42.0#





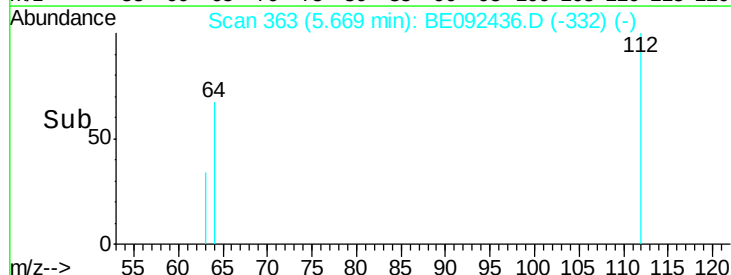
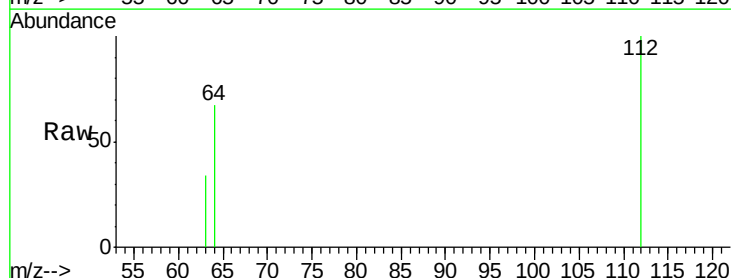
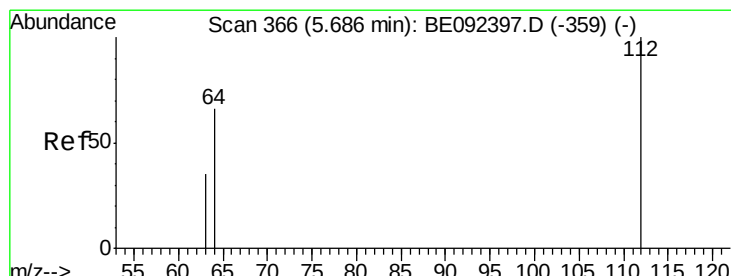
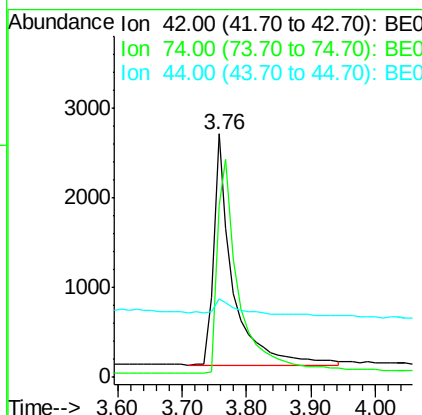
#3
n-Nitrosodimethylamine
Concen: 3.26 ng
RT: 3.76 min Scan# 101
Delta R.T. -0.05 min
Lab File: BE092436.D
Acq: 30 Sep 2016 15:11

Tgt Ion:	42	Resp:	5311
Ion Ratio	Lower	Upper	
42	100		
74	106.9	86.0	129.0
44	10.4	5.1	7.7#

Instrument :
BNA_E
ClientSampleId :
PB93716BSD

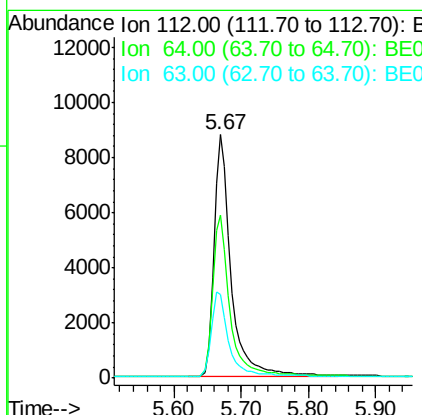
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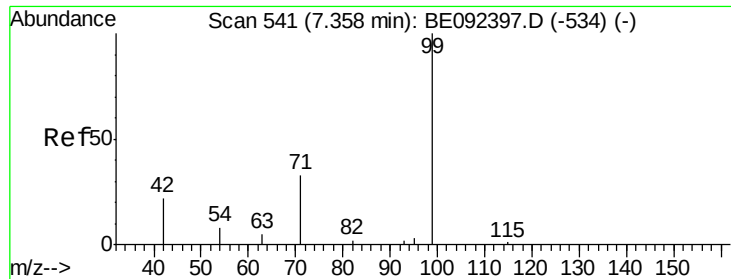
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#4
2-Fluorophenol
Concen: 6.43 ng
RT: 5.67 min Scan# 363
Delta R.T. -0.02 min
Lab File: BE092436.D
Acq: 30 Sep 2016 15:11

Tgt Ion:	112	Resp:	15866
Ion Ratio	Lower	Upper	
112	100		
64	67.4	53.5	80.3
63	36.0	27.9	41.9





#5

Phenol-d6

Concen: 5.96 ng

RT: 7.34 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092436.D

Acq: 30 Sep 2016 15:11

Instrument :

BNA_E

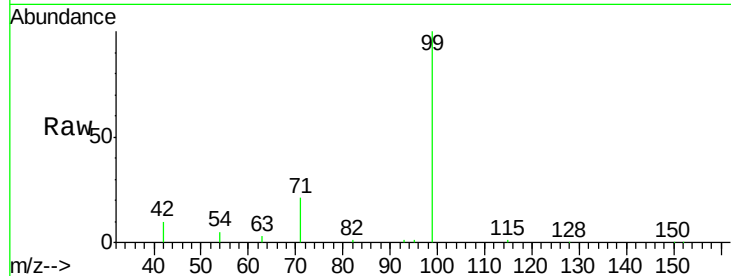
ClientSampleId :

PB93716BSD

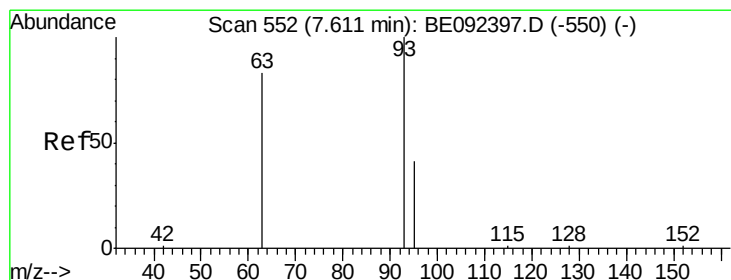
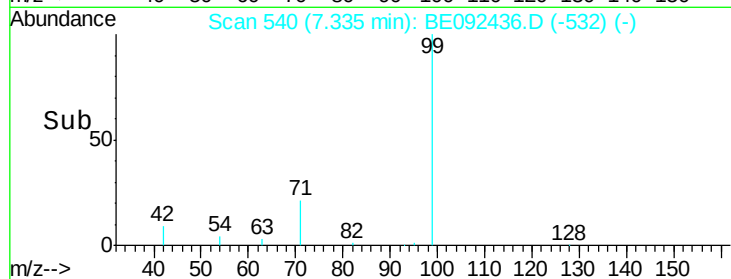
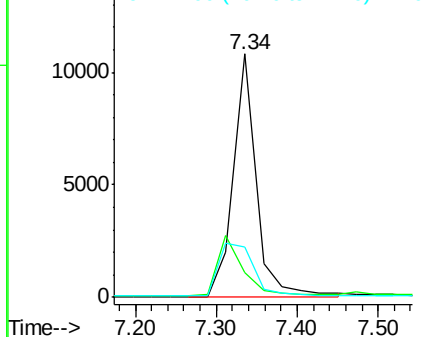
Tgt Ion:	99	Resp:	20959
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

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



#6

bis(2-Chloroethyl)ether

Concen: 3.16 ng

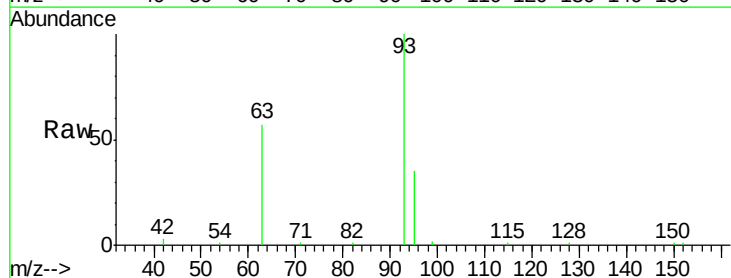
RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

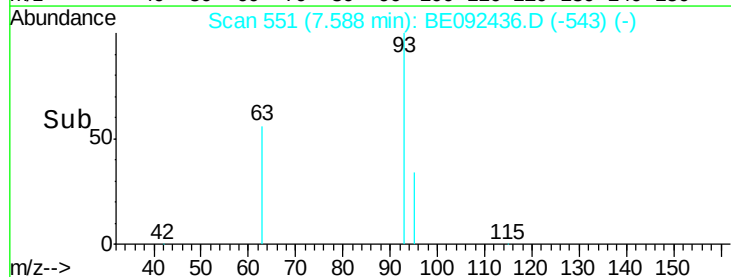
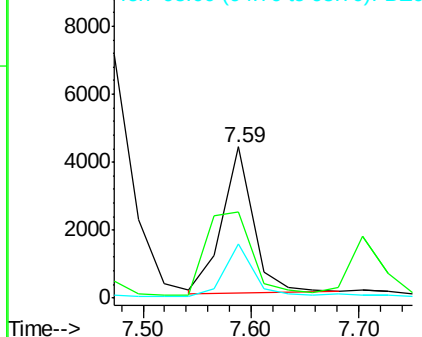
Lab File: BE092436.D

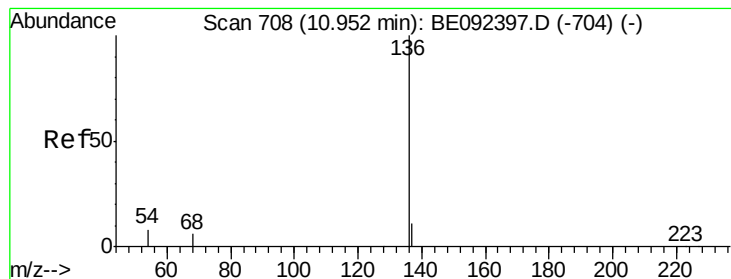
Acq: 30 Sep 2016 15:11

Tgt Ion:	93	Resp:	8668
Ion Ratio	Lower	Upper	
93	100		
63	86.5	71.6	107.4
95	34.7	24.0	36.0



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE092436.D

Acq: 30 Sep 2016 15:11

Instrument :

BNA_E

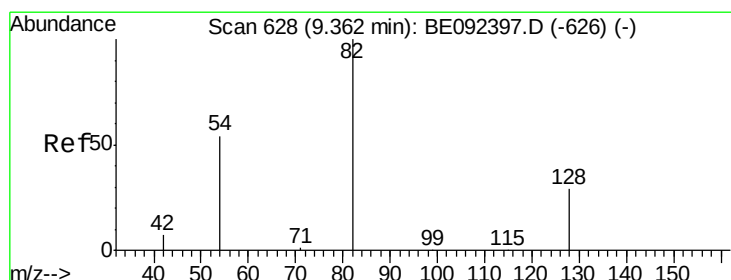
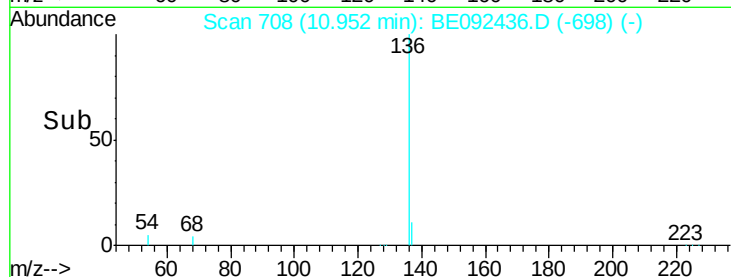
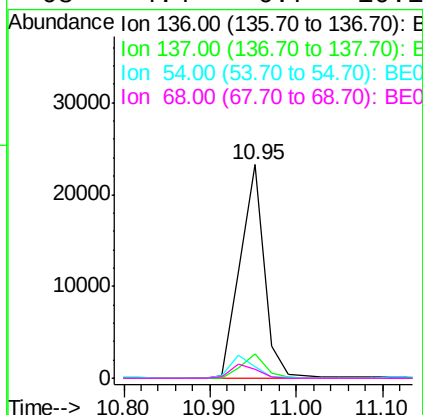
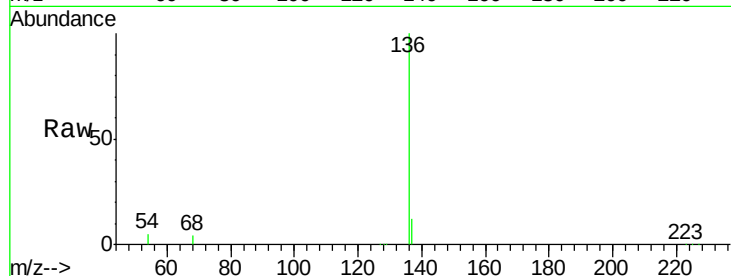
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Tgt Ion:	136	Resp:	45308
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.2	12.4
54	5.5	9.6	14.4#
68	4.4	6.7	10.1#

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#8

Nitrobenzene-d5

Concen: 3.08 ng

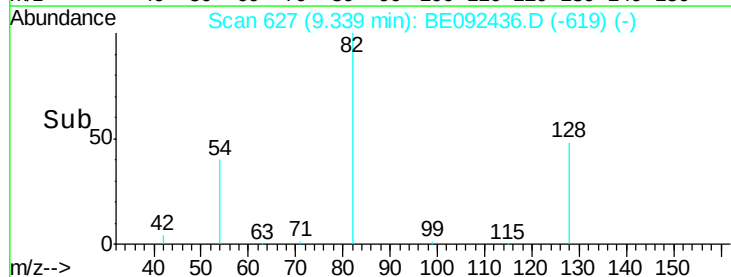
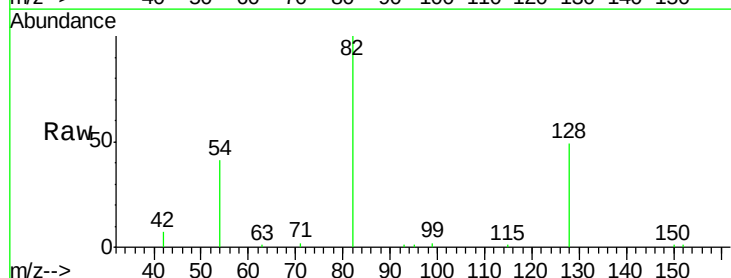
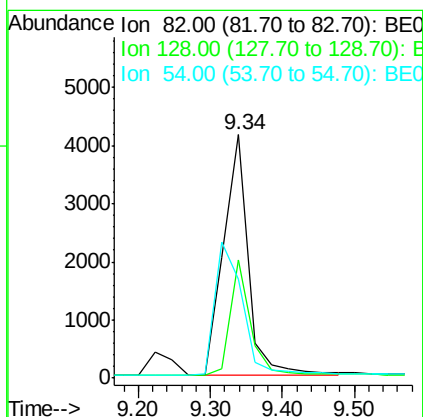
RT: 9.34 min Scan# 627

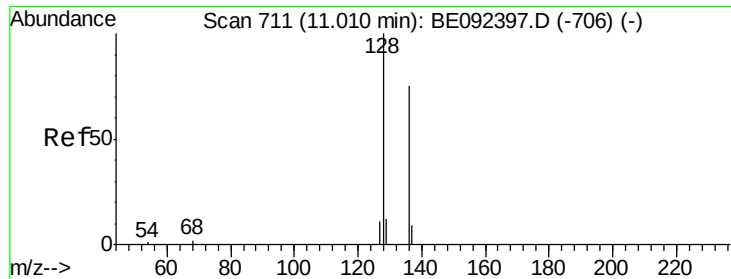
Delta R.T. -0.02 min

Lab File: BE092436.D

Acq: 30 Sep 2016 15:11

Tgt Ion:	82	Resp:	9859
Ion Ratio	Lower	Upper	
82	100		
128	48.6	39.0	58.4
54	40.8	44.8	67.2#





#9

Naphthalene

Concen: 3.16 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092436.D

Acq: 30 Sep 2016 15:11

Instrument :

BNA_E

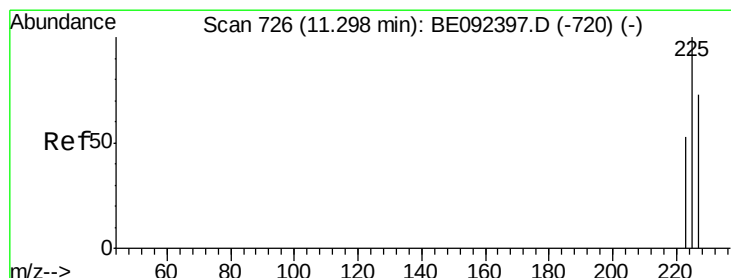
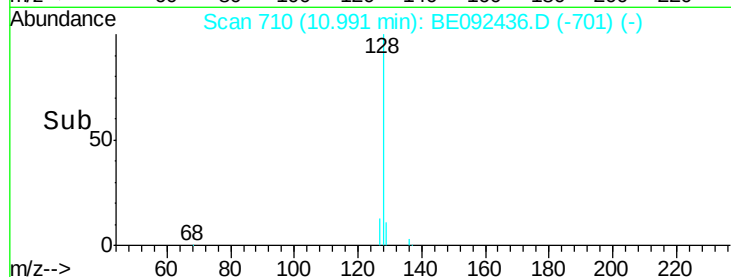
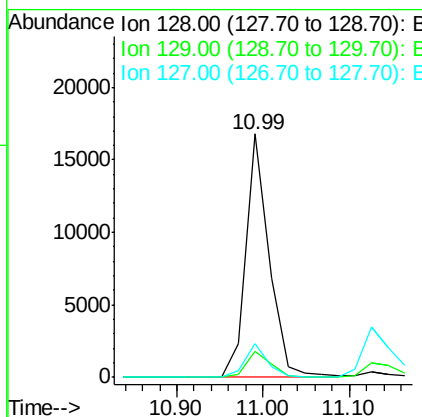
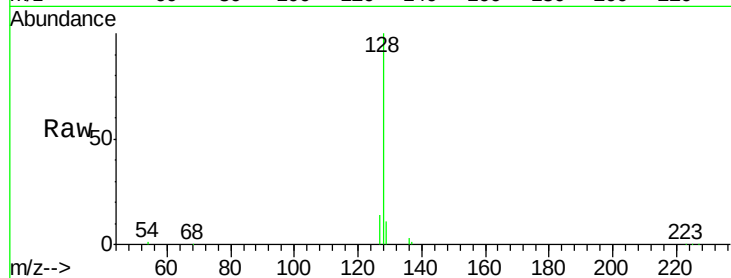
ClientSampleId :

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Tgt Ion:	128	Resp:	30971
Ion Ratio	Lower	Upper	
128	100		
129	10.8	11.2	16.8#
127	13.6	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 3.05 ng

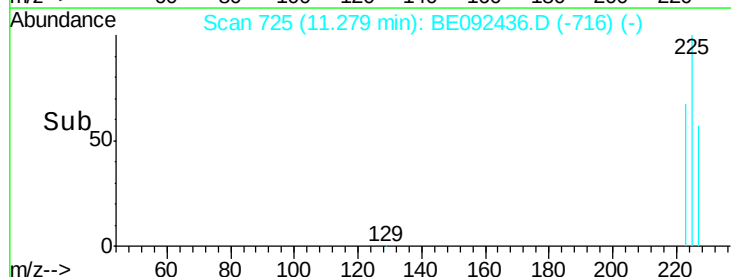
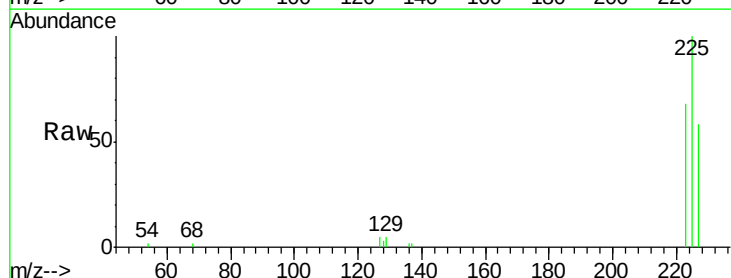
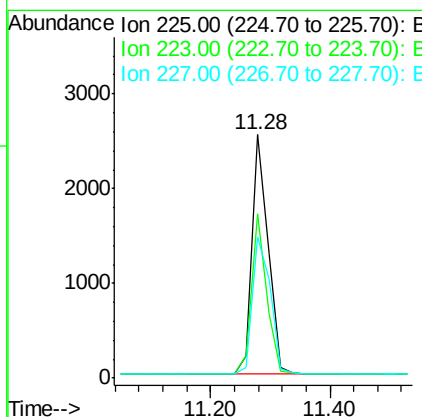
RT: 11.28 min Scan# 725

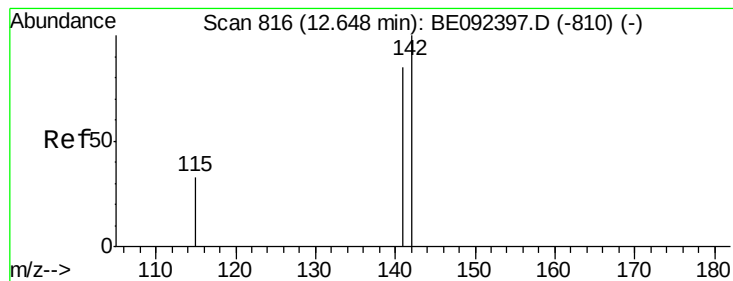
Delta R.T. -0.02 min

Lab File: BE092436.D

Acq: 30 Sep 2016 15:11

Tgt Ion:	225	Resp:	4703
Ion Ratio	Lower	Upper	
225	100		
223	63.0	50.6	76.0
227	63.7	51.4	77.0





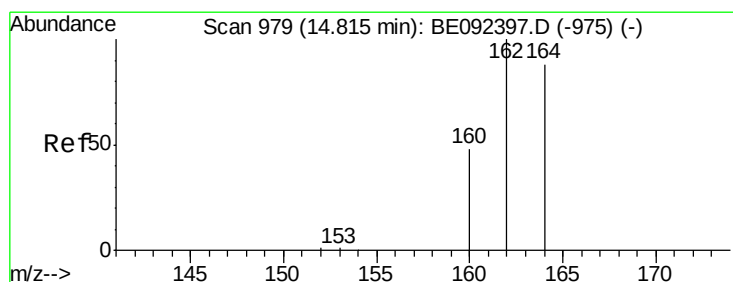
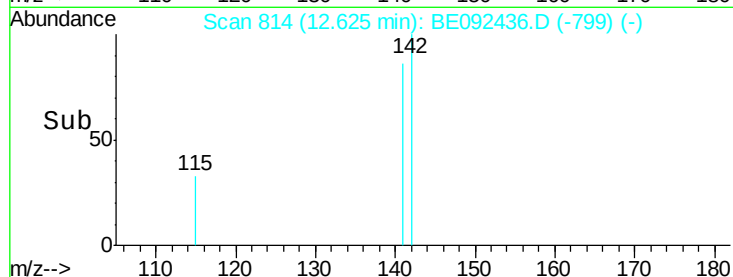
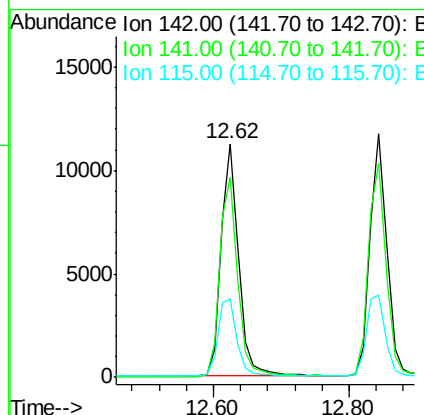
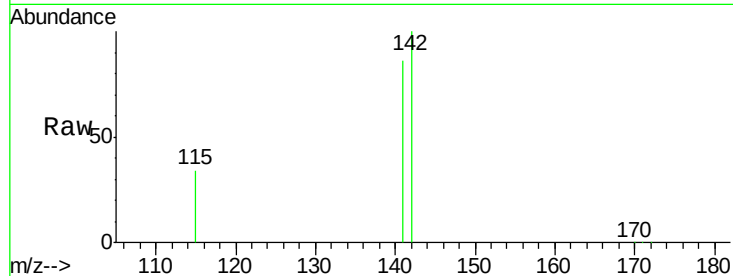
#11
2-Methylnaphthalene
Concen: 3.18 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092436.D
Acq: 30 Sep 2016 15:11

Instrument :
BNA_E
ClientSampleId :
PB93716BSD

Tgt Ion:142 Resp: 20613
Ion Ratio Lower Upper
142 100
141 85.6 73.7 110.5
115 33.6 34.0 51.0#

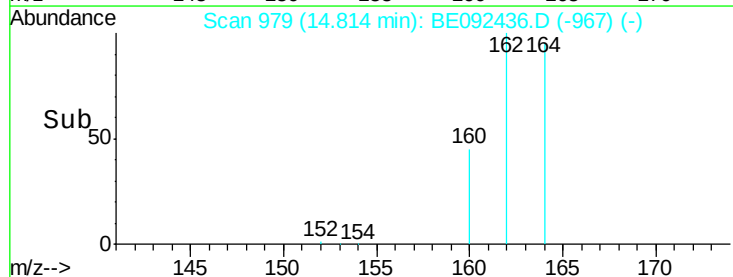
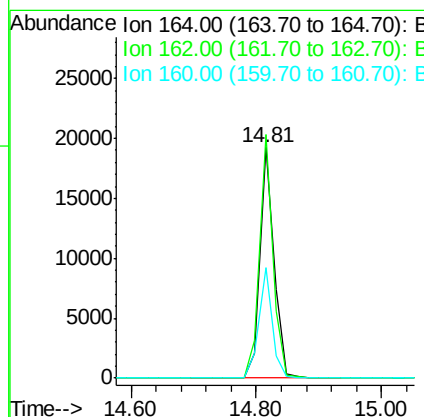
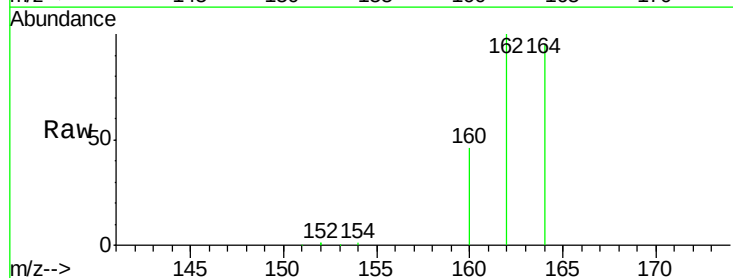
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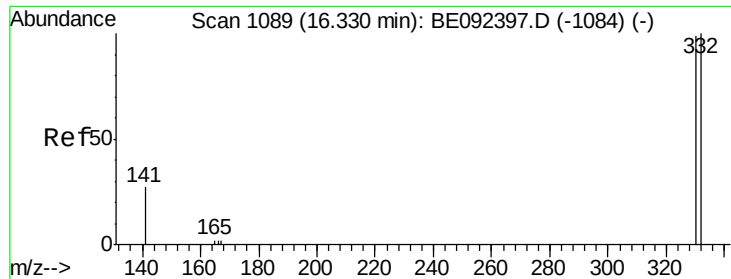
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.81 min Scan# 979
Delta R.T. -0.00 min
Lab File: BE092436.D
Acq: 30 Sep 2016 15:11

Tgt Ion:164 Resp: 29602
Ion Ratio Lower Upper
164 100
162 105.7 71.4 107.0
160 48.2 27.4 41.2#





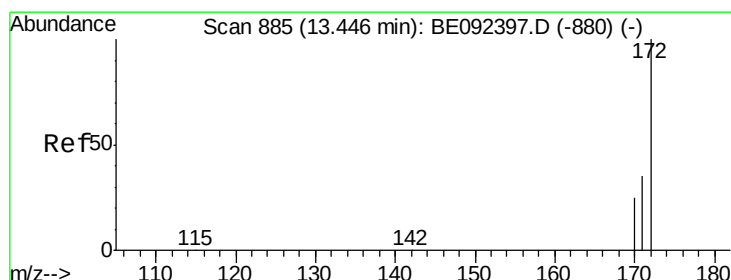
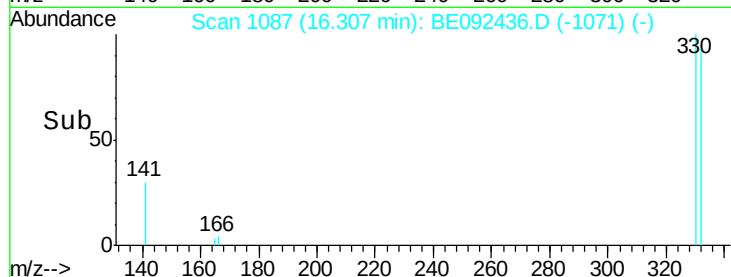
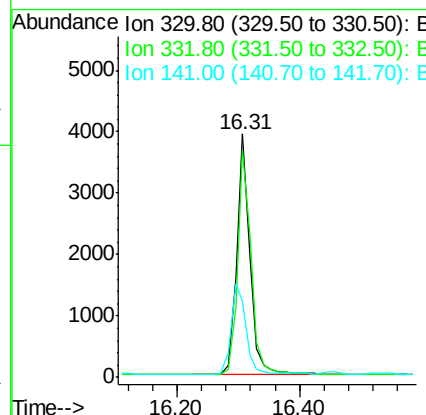
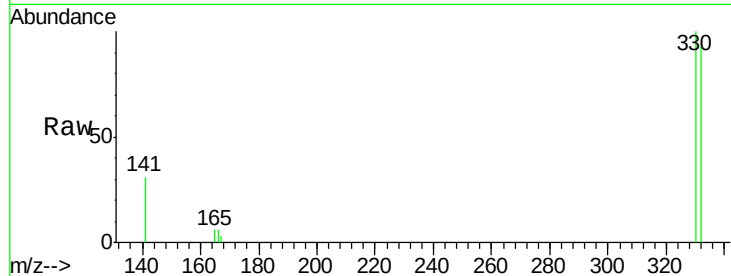
#13
 2,4,6-Tribromophenol
 Concen: 5.62 ng
 RT: 16.31 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092436.D
 Acq: 30 Sep 2016 15:11

Instrument :
 BNA_E
 ClientSampleId :
 PB93716BSD

Tgt Ion:330 Resp: 5847
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.4 113.0
 141 42.4 31.0 46.6

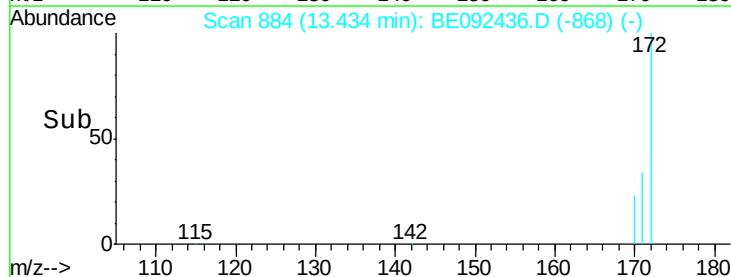
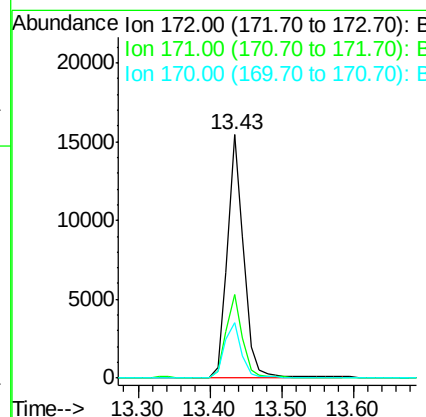
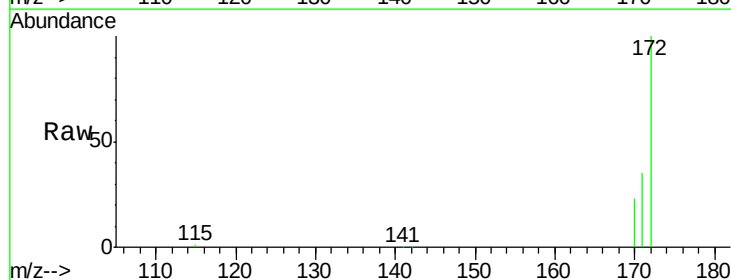
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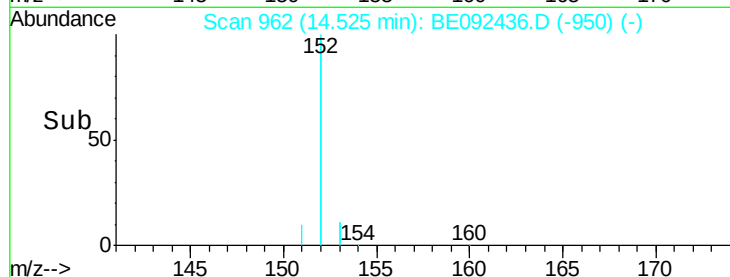
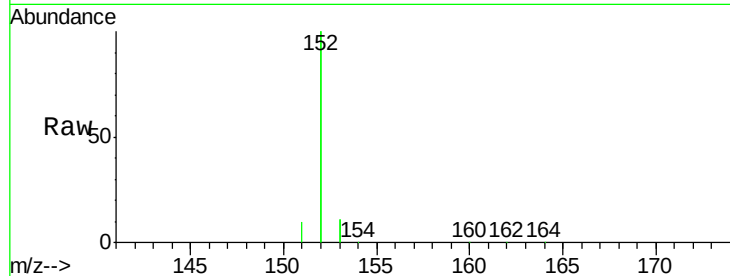
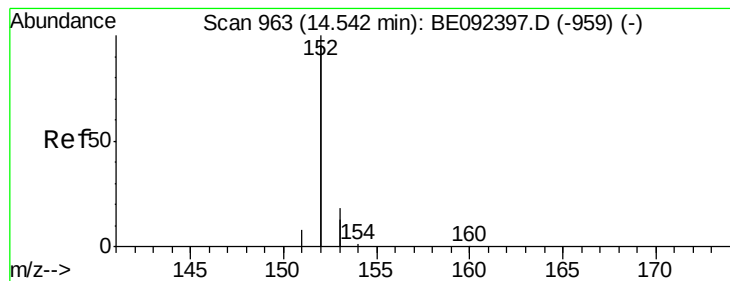
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#14
 2-Fluorobiphenyl
 Concen: 3.43 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092436.D
 Acq: 30 Sep 2016 15:11

Tgt Ion:172 Resp: 24040
 Ion Ratio Lower Upper
 172 100
 171 34.6 30.1 45.1
 170 23.0 21.8 32.6





#15

Acenaphthylene

Concen: 3.21 ng

RT: 14.52 min Scan# 962

Delta R.T. -0.00 min

Lab File: BE092436.D

Acq: 30 Sep 2016 15:11

Tgt Ion:	152	Resp:	137417
Ion Ratio	Lower	Upper	
152	100		
151	4.9	3.9	5.9
153	12.9	10.4	15.6

Instrument :

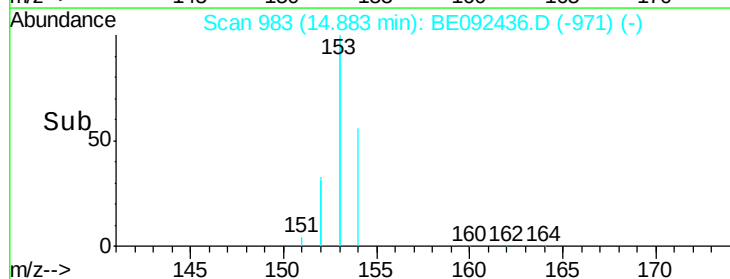
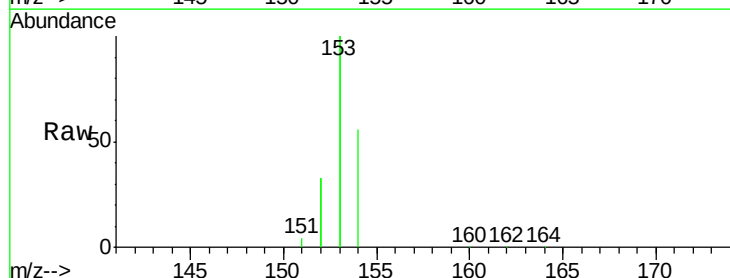
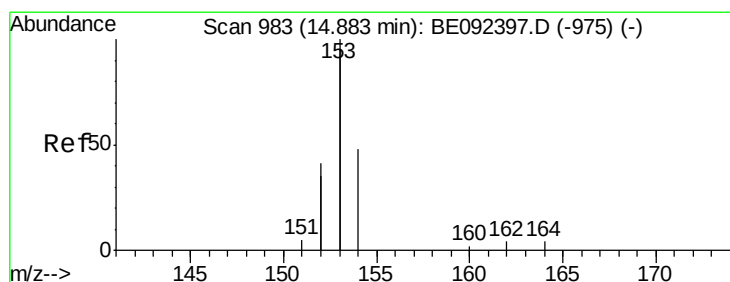
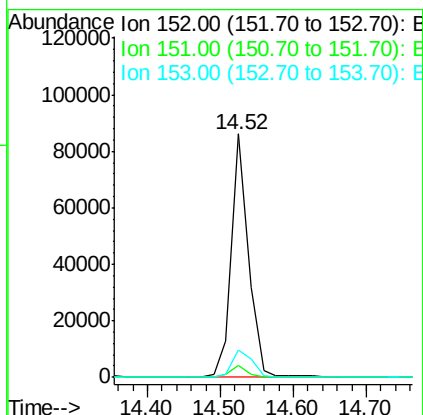
BNA_E

ClientSampleId :

PB93716BSD

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#16

Acenaphthene

Concen: 3.08 ng

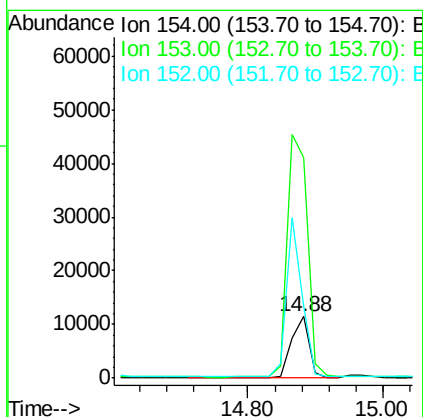
RT: 14.88 min Scan# 983

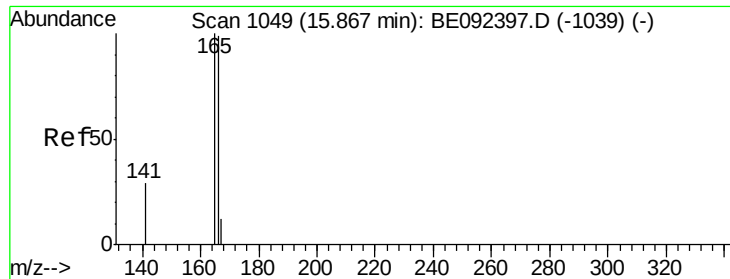
Delta R.T. -0.00 min

Lab File: BE092436.D

Acq: 30 Sep 2016 15:11

Tgt Ion:	154	Resp:	20710
Ion Ratio	Lower	Upper	
154	100		
153	449.9	350.8	526.2
152	228.7	171.1	256.7





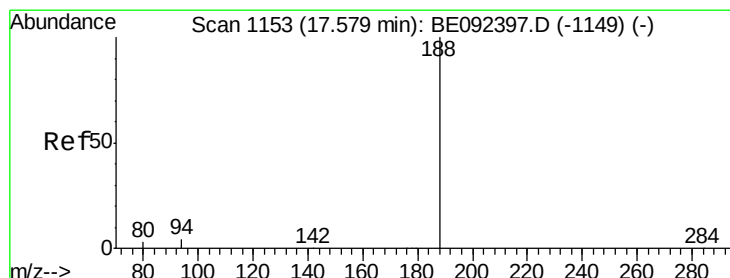
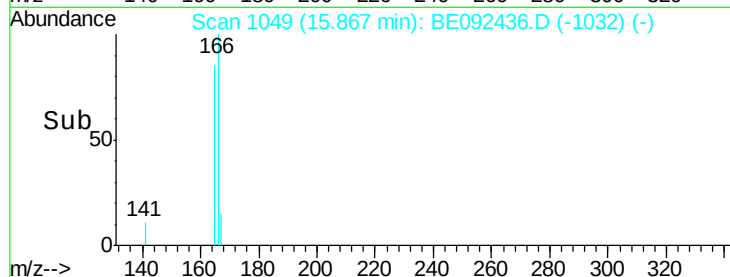
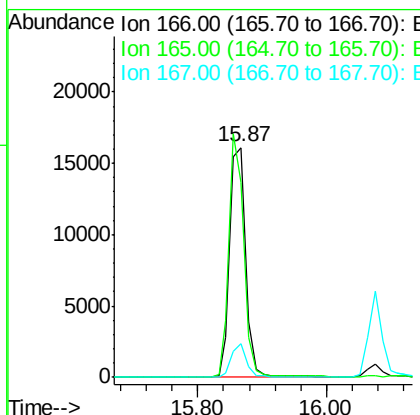
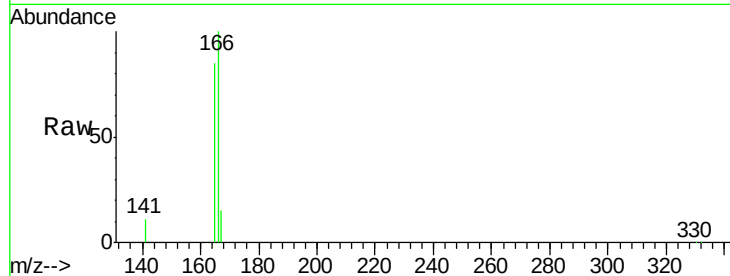
#17
Fluorene
 Concen: 3.21 ng
 RT: 15.87 min Scan# 1049
 Delta R.T. -0.00 min
 Lab File: BE092436.D
 Acq: 30 Sep 2016 15:11

Instrument :
 BNA_E
 ClientSampleId :
 PB93716BSD

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.4
167	13.4	11.0	16.4

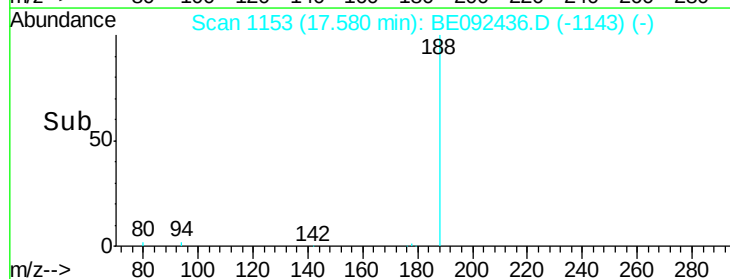
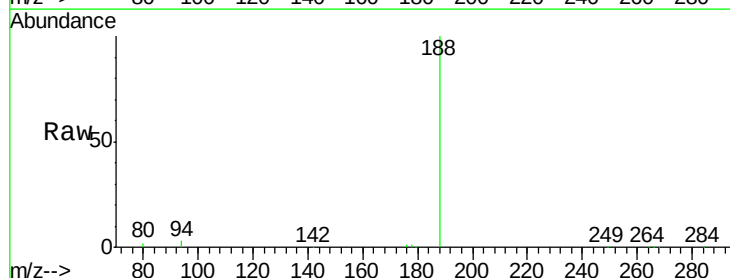
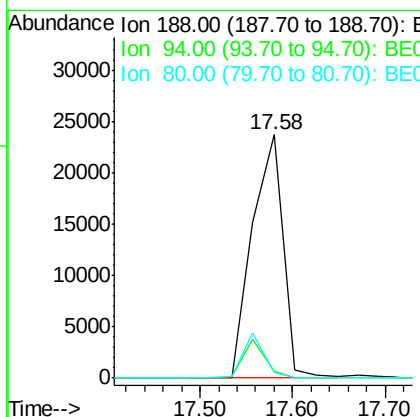
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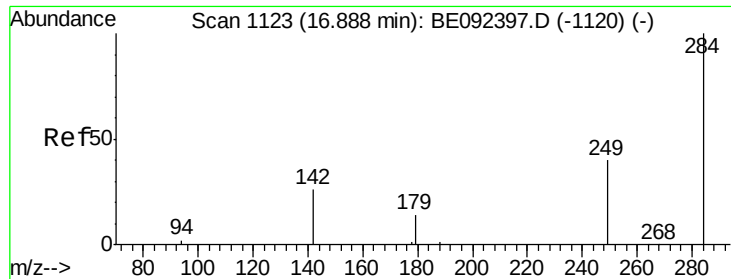
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1153
 Delta R.T. 0.02 min
 Lab File: BE092436.D
 Acq: 30 Sep 2016 15:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	2.7	3.2	4.8#
80	2.1	2.6	3.8#





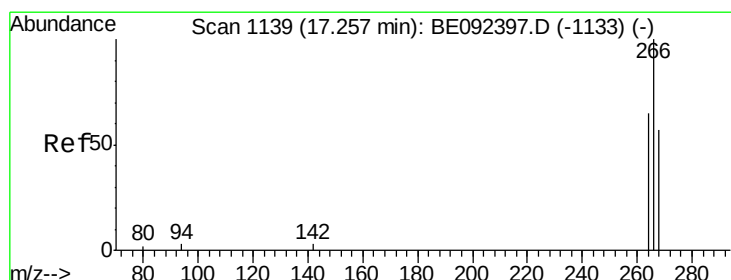
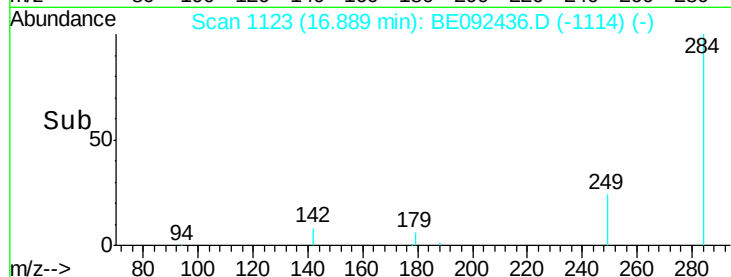
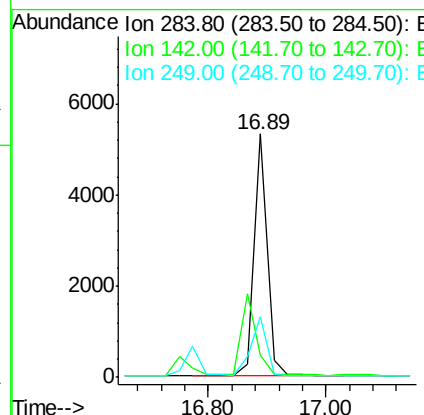
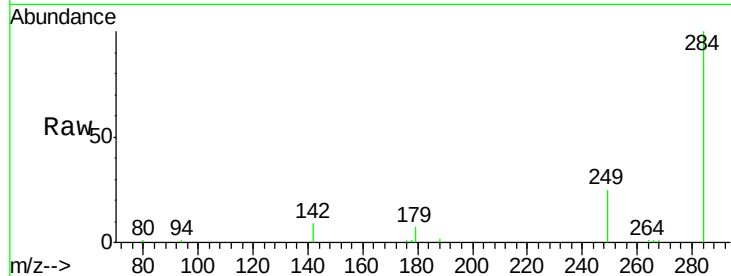
#19
Hexachlorobenzene
Concen: 3.45 ng
RT: 16.89 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE092436.D
Acq: 30 Sep 2016 15:11

Instrument :
BNA_E
ClientSampleId :
PB93716BSD

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

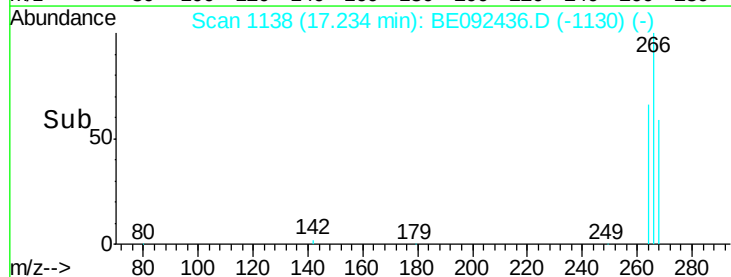
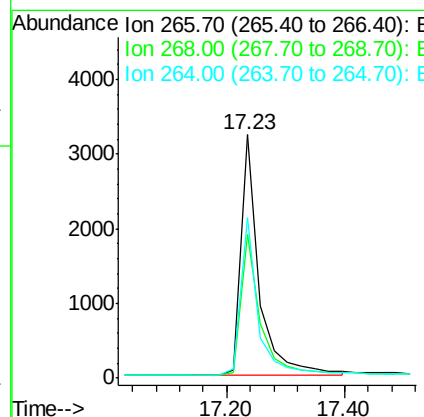
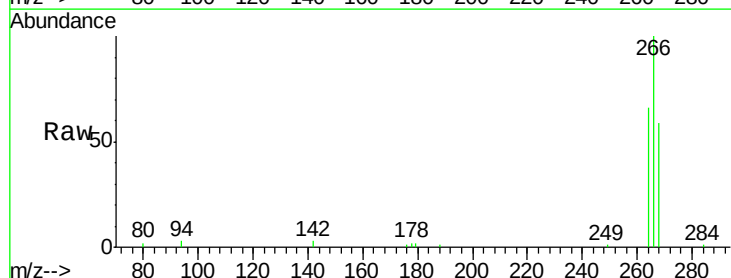
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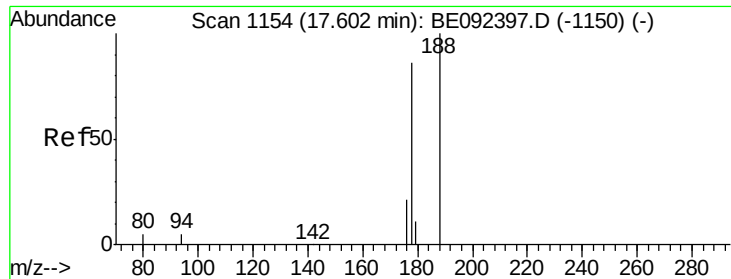
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#20
Pentachlorophenol
Concen: 7.92 ng
RT: 17.23 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BE092436.D
Acq: 30 Sep 2016 15:11

Tgt Ion	Ratio	Lower	Upper
266	100		
268	59.3	62.5	93.7#
264	66.1	57.2	85.8





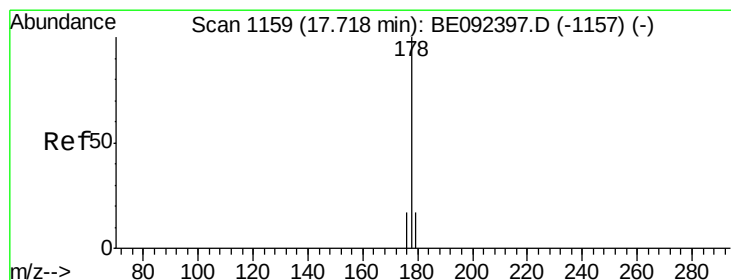
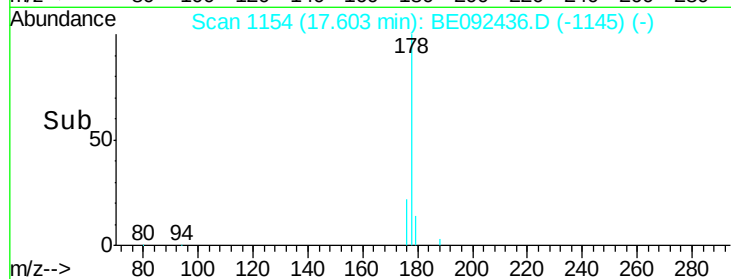
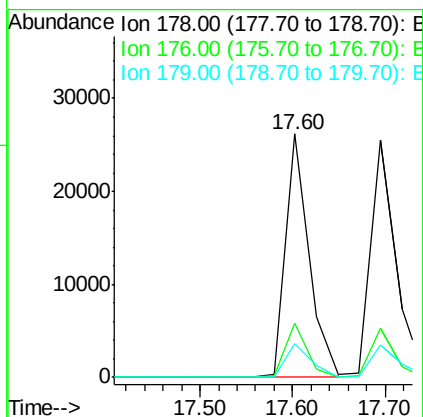
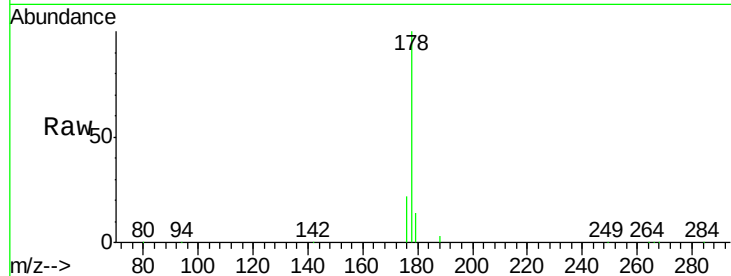
#21
Phenanthrene
Concen: 3.62 ng
RT: 17.60 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092436.D
Acq: 30 Sep 2016 15:11

Instrument :
BNA_E
ClientSampleId :
PB93716BSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	15.1	16.0	24.0

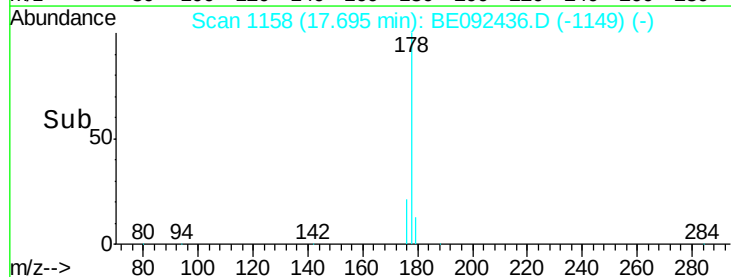
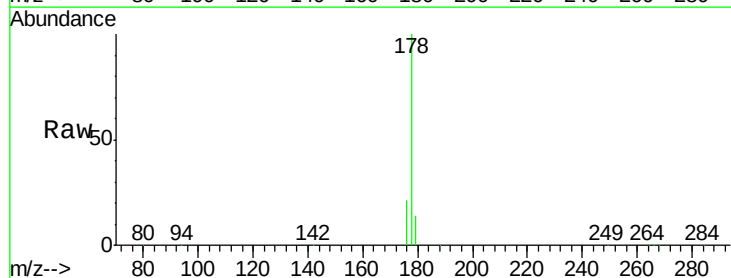
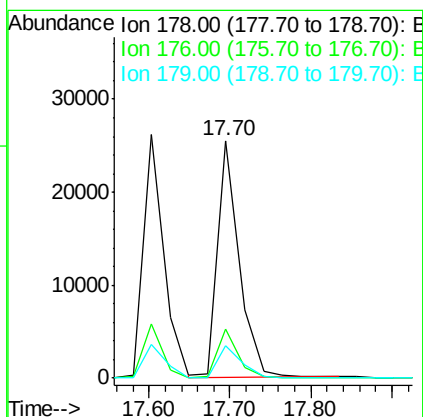
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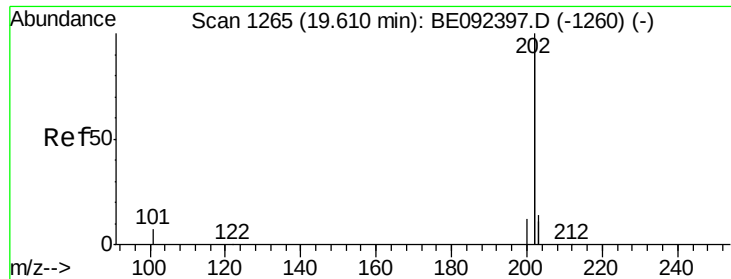
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#22
Anthracene
Concen: 3.87 ng
RT: 17.70 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BE092436.D
Acq: 30 Sep 2016 15:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.4
179	14.7	12.2	18.2





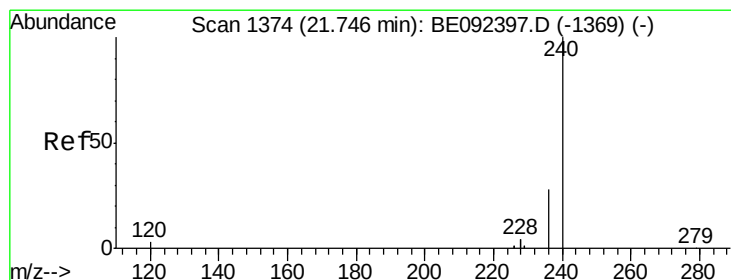
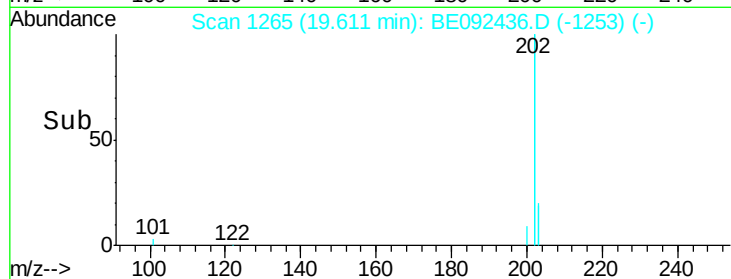
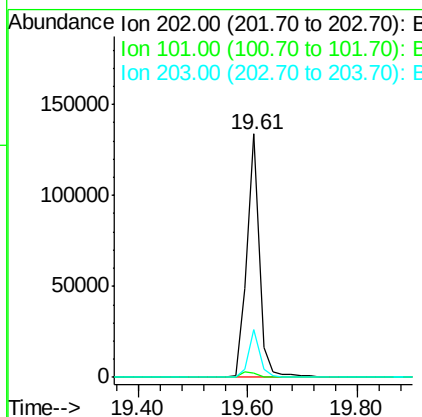
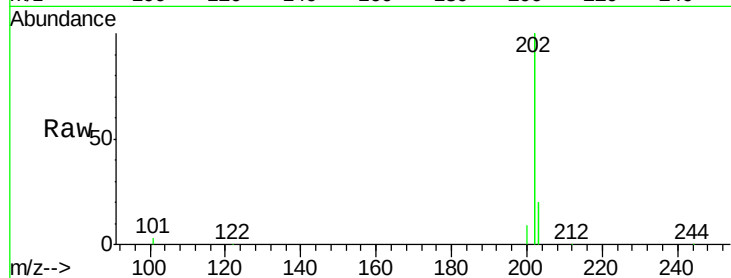
#23
 Fluoranthene
 Concen: 3.50 ng
 RT: 19.61 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: BE092436.D
 Acq: 30 Sep 2016 15:11

Instrument :
 BNA_E
 ClientSampleId :
 PB93716BSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	2.8	2.2	3.4
203	17.9	13.7	20.5

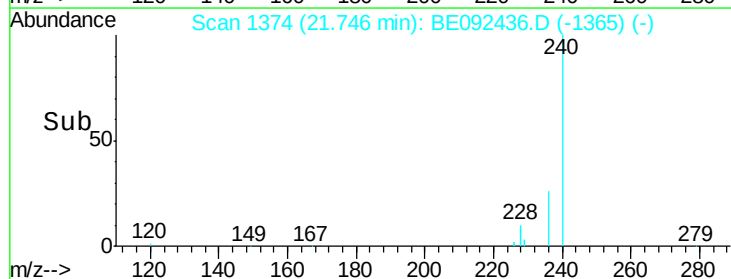
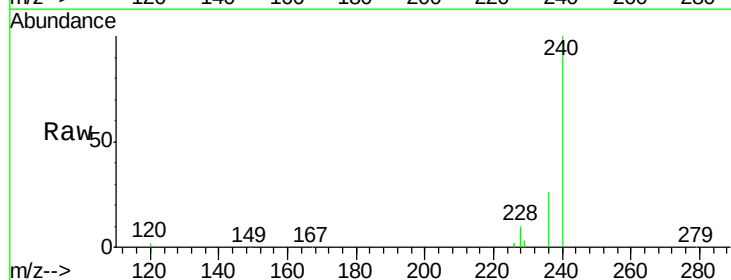
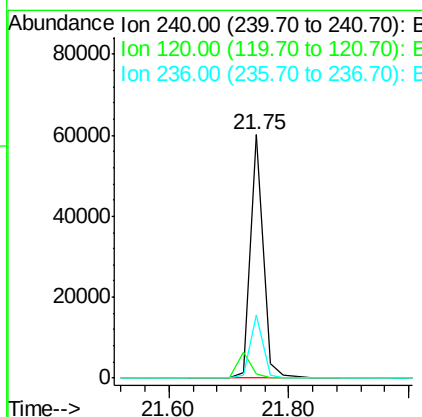
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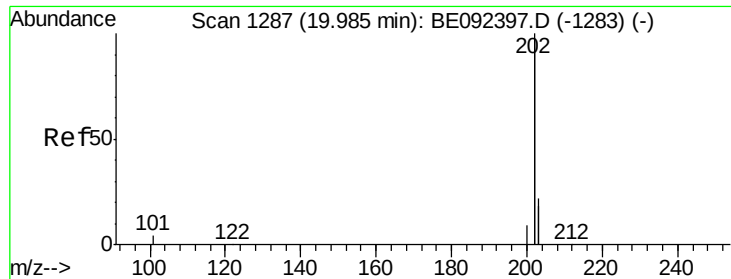
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#24
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.75 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: BE092436.D
 Acq: 30 Sep 2016 15:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	1.6	2.6	4.0#
236	26.0	24.6	37.0





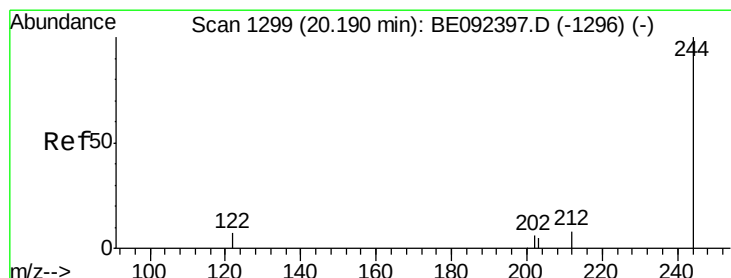
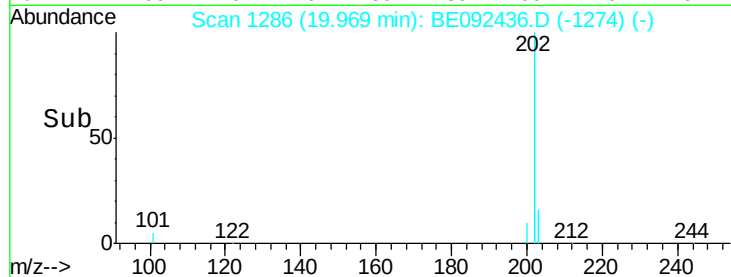
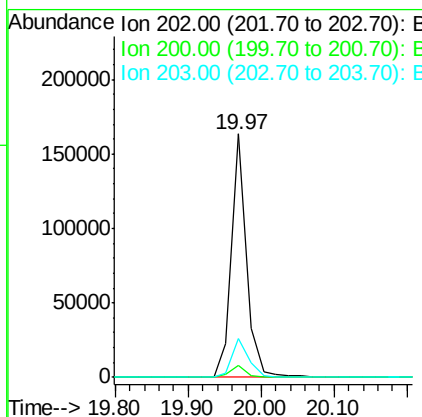
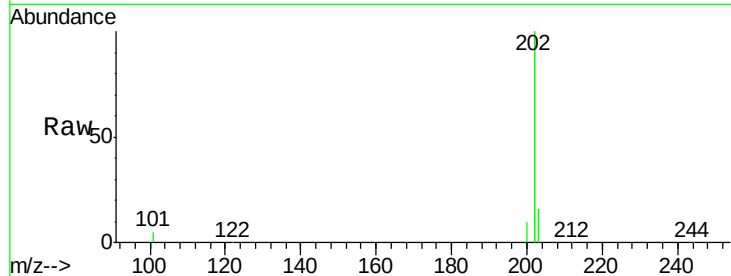
#25
 Pyrene
 Concen: 2.95 ng
 RT: 19.97 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: BE092436.D
 Acq: 30 Sep 2016 15:11

Instrument :
 BNA_E
 ClientSampleId :
 PB93716BSD

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	231008		
200	5.3	4.2	6.4	
203	17.7	13.9	20.9	

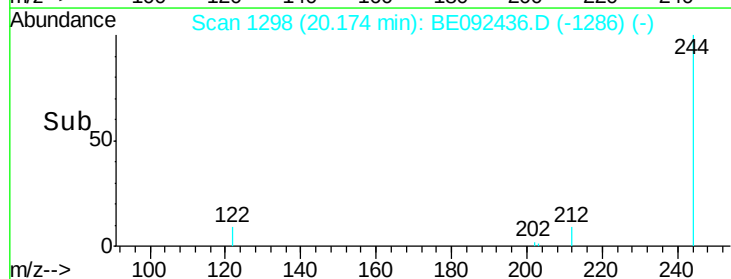
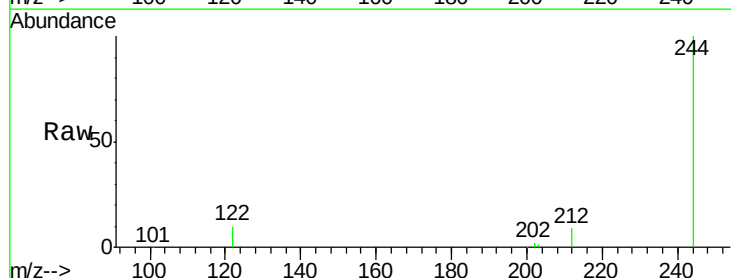
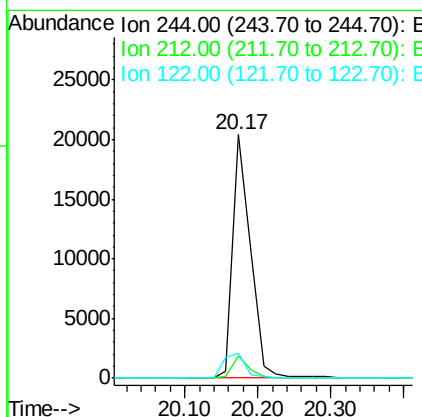
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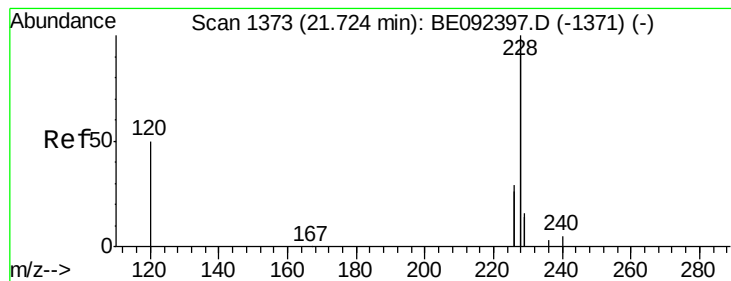
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#26
 Terphenyl-d14
 Concen: 3.00 ng
 RT: 20.17 min Scan# 1298
 Delta R.T. 0.00 min
 Lab File: BE092436.D
 Acq: 30 Sep 2016 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	33617		
212	9.2	6.7	10.1	
122	10.4	3.6	5.4#	





#27

Benzo(a)anthracene

Concen: 3.23 ng m

RT: 21.72 min Scan# 1373

Delta R.T. -0.00 min

Lab File: BE092436.D

Acq: 30 Sep 2016 15:11

Instrument :

BNA_E

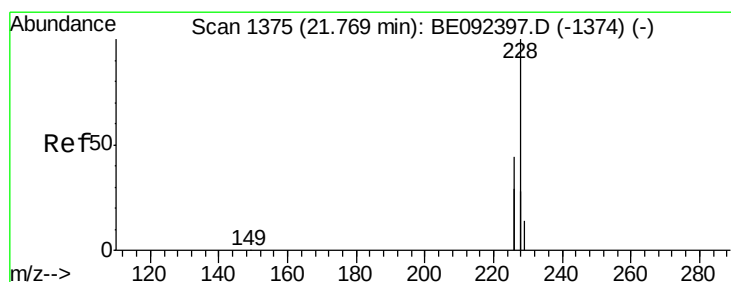
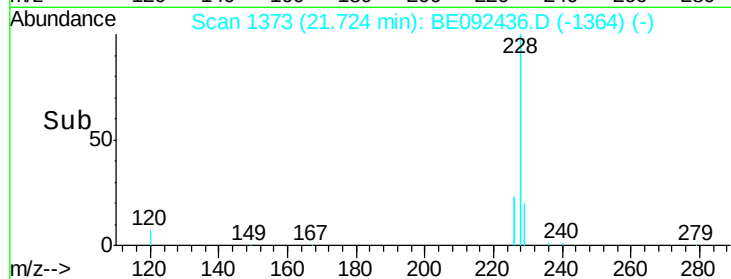
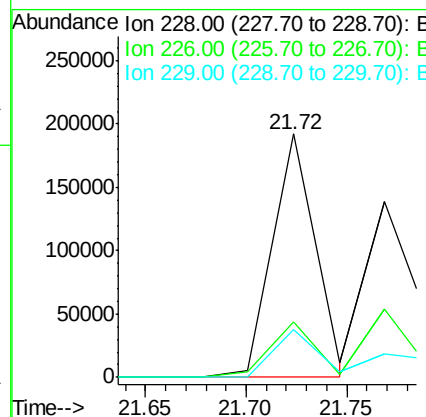
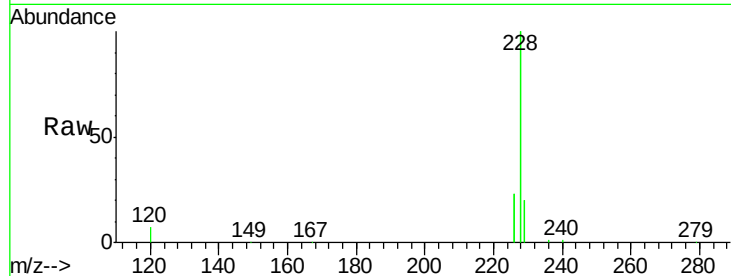
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
228	100	284345		
226	23.0		23.6	35.4#
229	19.6		13.3	19.9

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#28

Chrysene

Concen: 3.19 ng m

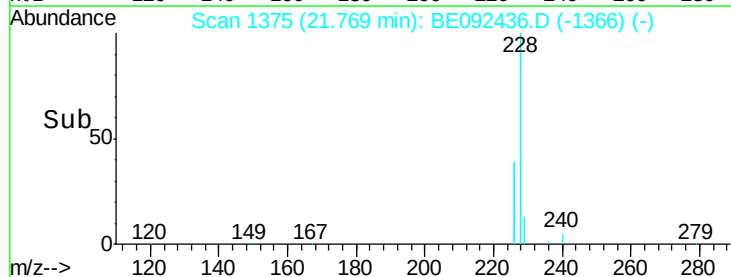
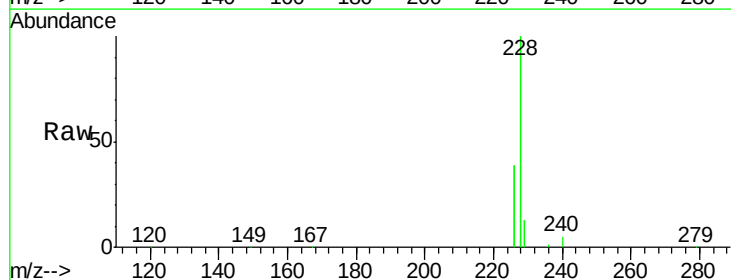
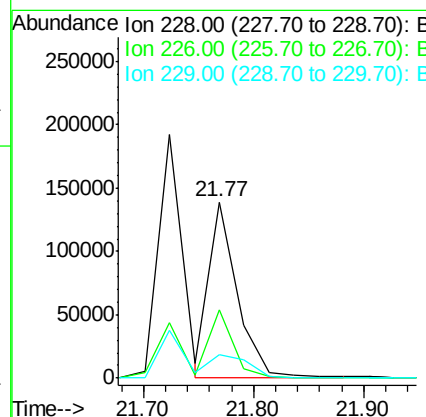
RT: 21.77 min Scan# 1375

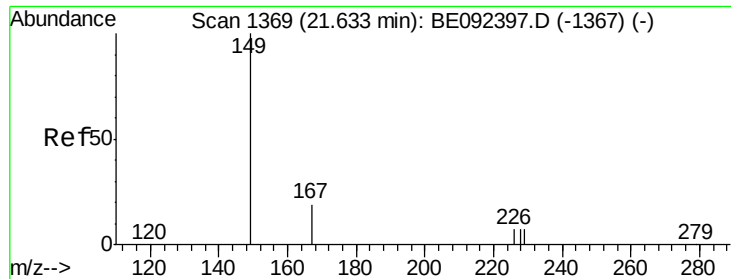
Delta R.T. 0.00 min

Lab File: BE092436.D

Acq: 30 Sep 2016 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	257417		
226	38.8		36.3	54.5
229	13.2		10.6	16.0





#29

Bis(2-ethylhexyl)phthalate

Concen: 3.00 ng

RT: 21.63 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092436.D

Acq: 30 Sep 2016 15:11

Instrument :

BNA_E

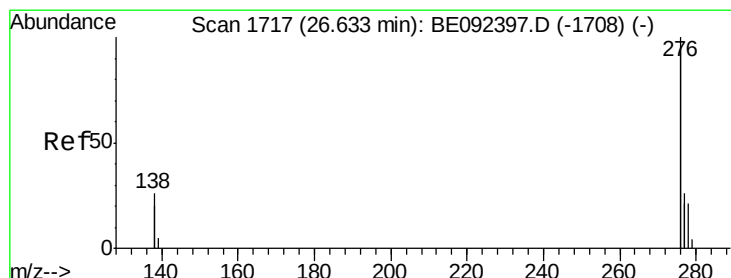
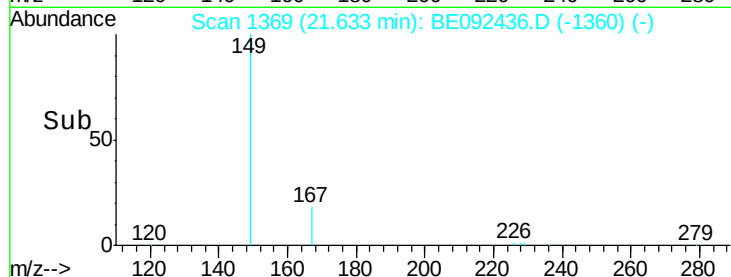
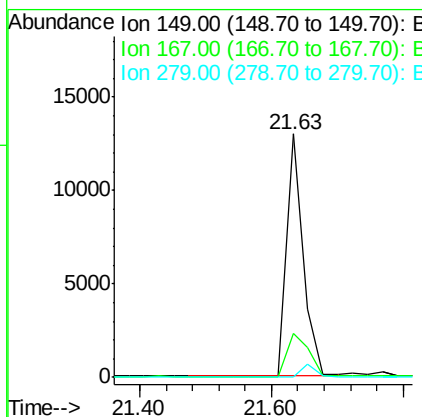
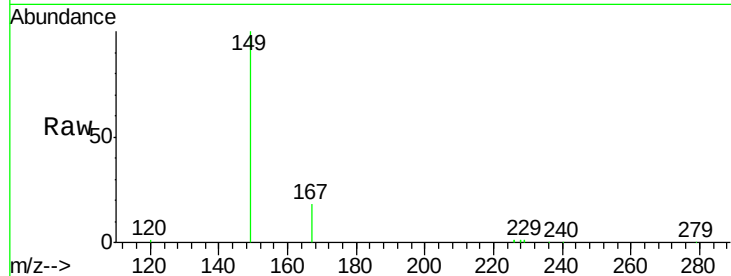
ClientSampleId :

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Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	23.5	16.0	24.0
279	0.0	16.0	24.0

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#30

Indeno(1,2,3-cd)pyrene

Concen: 3.36 ng

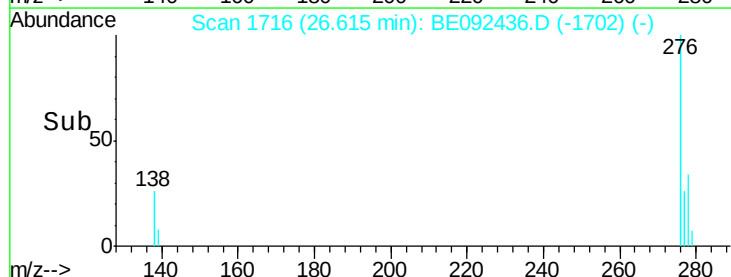
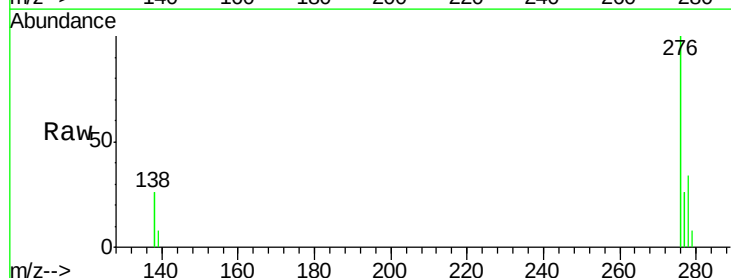
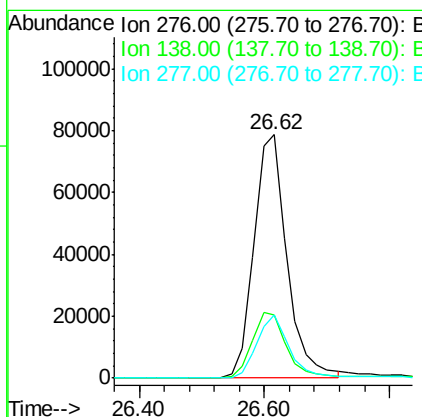
RT: 26.62 min Scan# 1716

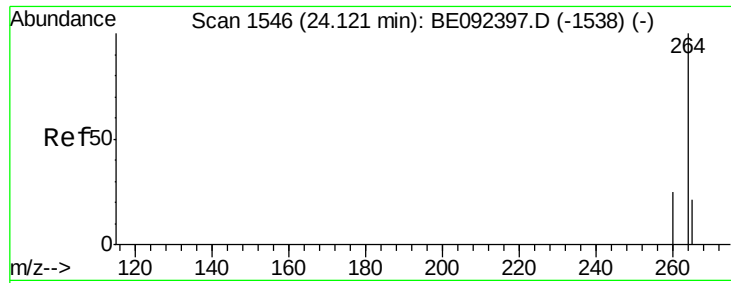
Delta R.T. 0.03 min

Lab File: BE092436.D

Acq: 30 Sep 2016 15:11

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.5	20.3	30.5
277	24.8	19.7	29.5





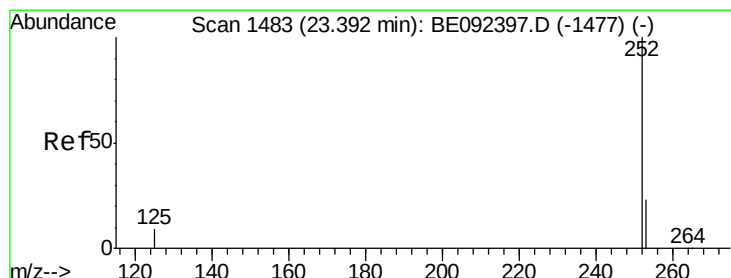
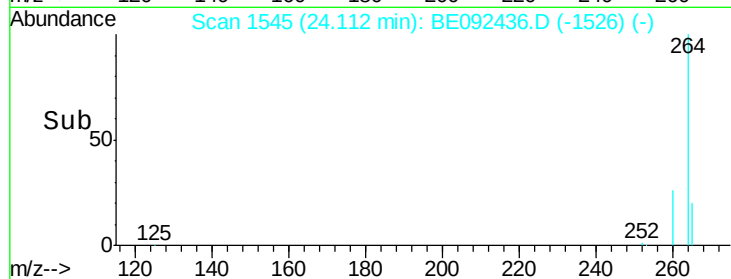
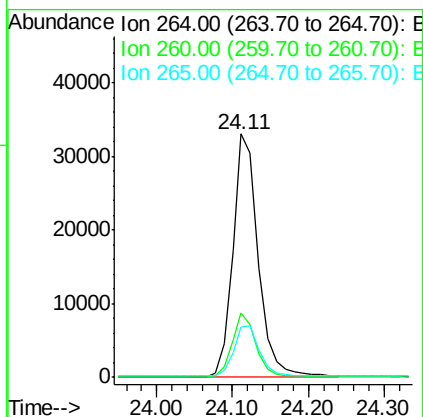
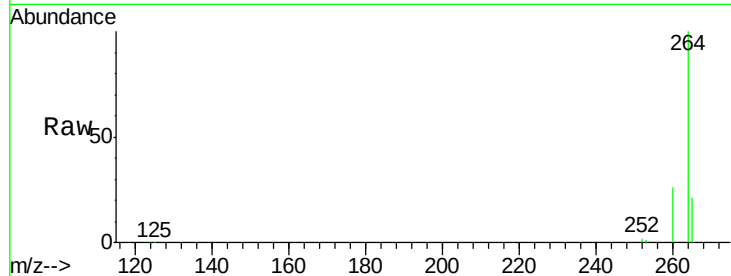
#31
Perylene-d12
 Concen: 5.00 ng
 RT: 24.11 min Scan# 1545
 Delta R.T. 0.03 min
 Lab File: BE092436.D
 Acq: 30 Sep 2016 15:11

Instrument :
 BNA_E
 ClientSampleId :
 PB93716BSD

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.1	30.1
265	20.9	17.9	26.9

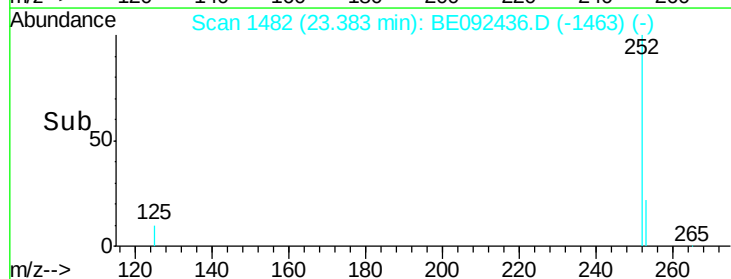
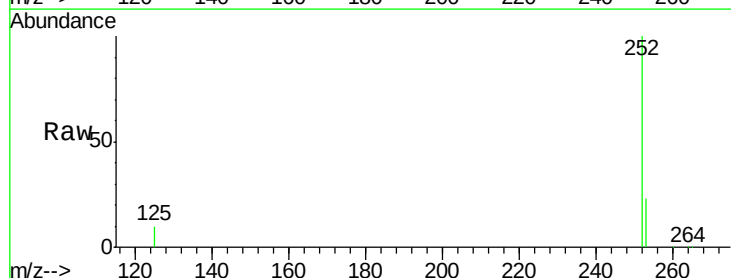
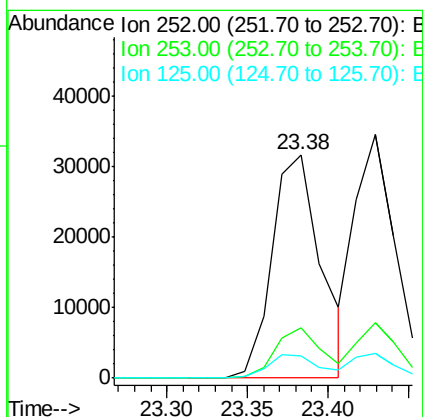
Manual Integrations
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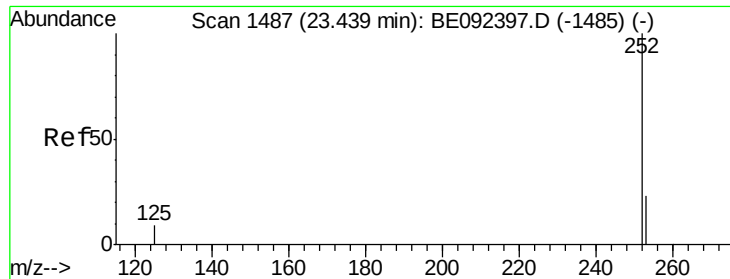
sohil
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#32
Benzo(b)fluoranthene
 Concen: 3.58 ng
 RT: 23.38 min Scan# 1482
 Delta R.T. 0.03 min
 Lab File: BE092436.D
 Acq: 30 Sep 2016 15:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.7	28.1
125	10.0	10.5	15.7





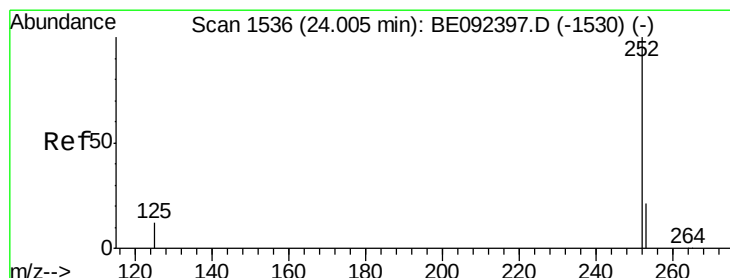
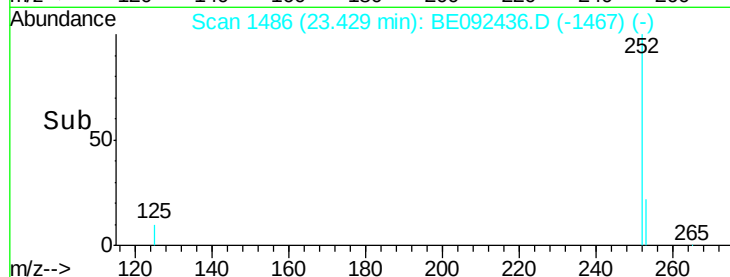
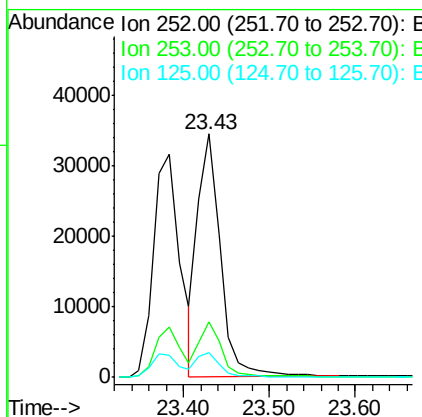
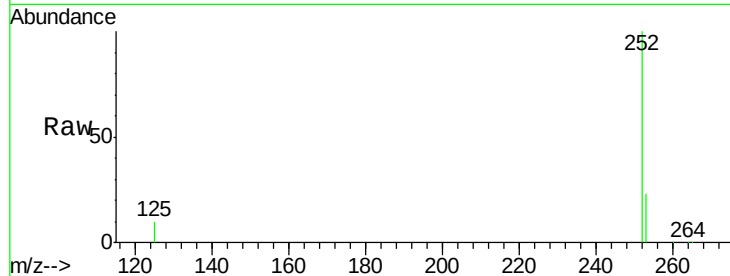
#33
Benzo(k)fluoranthene
Concen: 3.20 ng
RT: 23.43 min Scan# 1486
Delta R.T. 0.03 min
Lab File: BE092436.D
Acq: 30 Sep 2016 15:11

Instrument :
BNA_E
ClientSampleId :
PB93716BSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	20.3	30.5
125	10.1	9.6	14.4

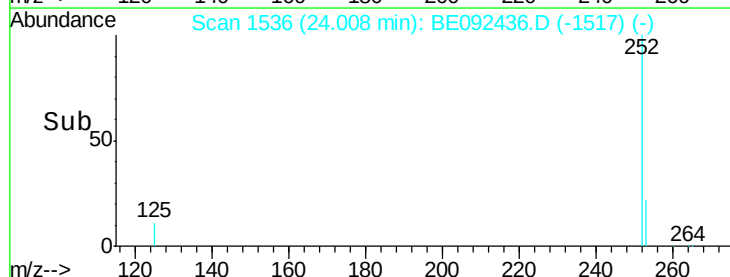
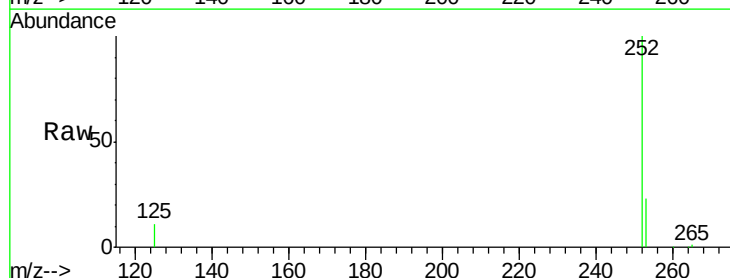
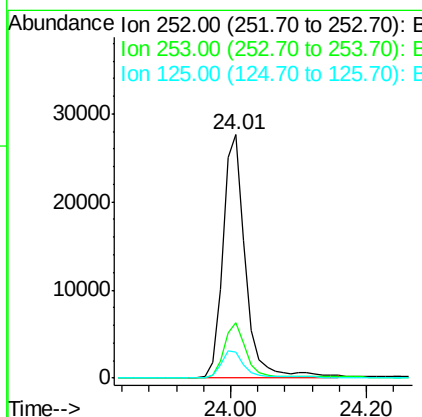
Manual Integrations
APPROVED

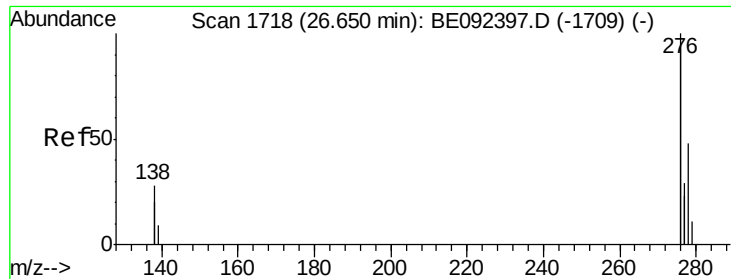
sohil
10/3/2016 6:47:24 PM



#34
Benzo(a)pyrene
Concen: 3.47 ng
RT: 24.01 min Scan# 1536
Delta R.T. 0.03 min
Lab File: BE092436.D
Acq: 30 Sep 2016 15:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.0	28.6
125	10.9	11.8	17.8#





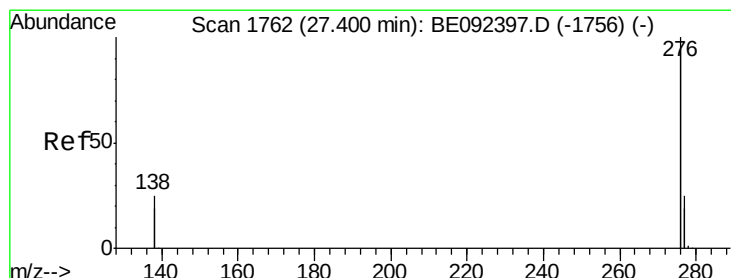
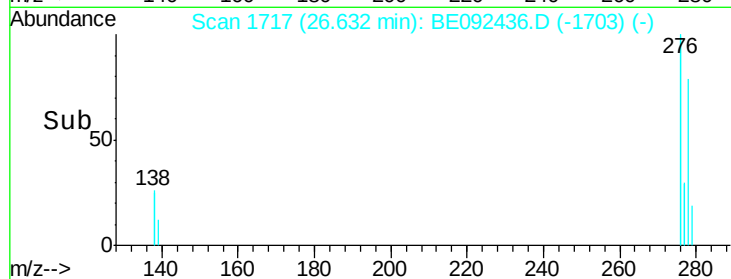
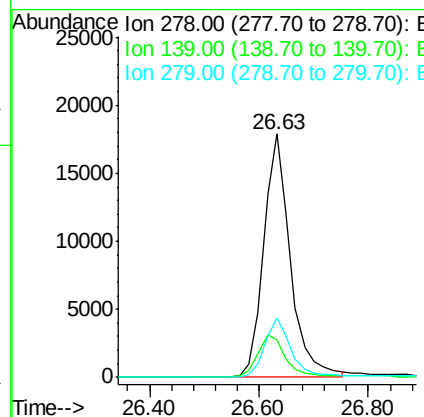
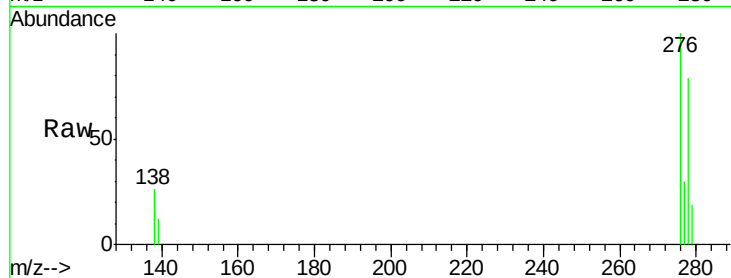
#35
Dibenzo(a,h)anthracene
Concen: 3.59 ng
RT: 26.63 min Scan# 1717
Delta R.T. 0.03 min
Lab File: BE092436.D
Acq: 30 Sep 2016 15:11

Instrument :
BNA_E
ClientSampleId :
PB93716BSD

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	60231		
139	15.4		13.8	20.8
279	24.3		21.4	32.2

Manual Integrations
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#36
Benzo(g,h,i)perylene
Concen: 3.44 ng
RT: 27.38 min Scan# 1761
Delta R.T. 0.03 min
Lab File: BE092436.D
Acq: 30 Sep 2016 15:11

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	247873		
277	23.6		19.8	29.8
138	22.9		19.8	29.6

