

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021517\
 Data File : BE092734.D
 Acq On : 15 Feb 2017 15:38
 Operator : SJ/MA
 Sample : SSTDICC005
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

mohammad
 2/16/2017 11:47:17 AM

Quant Time: Feb 15 17:04:28 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE021517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 13:34:48 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	10542	5.00	ng	-0.02
7) Naphthalene-d8	10.87	136	50679	5.00	ng	-0.02
12) Acenaphthene-d10	14.76	164	32014	5.00	ng	0.00
18) Phenanthrene-d10	17.51	188	67213	5.00	ng	0.00
24) Chrysene-d12	21.70	240	72425	5.00	ng	0.00
31) Perylene-d12	24.03	264	72639	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.61	112	12252	5.21	ng	-0.02
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	0.00	82	0d	0.00	ng	
13) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
14) 2-Fluorobiphenyl	13.38	172	39666	5.04	ng	-0.02
26) Terphenyl-d14	20.12	244	52318	5.11	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.34	88	6456	3.95	ng	92
3) n-Nitrosodimethylamine	3.69	42	9294	4.89	ng	96
9) Naphthalene	10.93	128	54453	5.15	ng	# 94
10) Hexachlorobutadiene	11.22	225	7842	5.02	ng	99
11) 2-Methylnaphthalene	12.57	142	36229	5.52	ng	# 86
15) Acenaphthylene	14.47	152	249707	5.66	ng	100
16) Acenaphthene	14.81	154	36625	5.18	ng	93
17) Fluorene	15.80	166	47141	5.31	ng	99
19) Hexachlorobenzene	16.84	284	11662	4.60	ng	# 39
20) Pentachlorophenol	17.21	266	3881	5.62	ng	89
21) Phenanthrene	17.56	178	76627	5.16	ng	94
22) Anthracene	17.65	178	76381	5.58	ng	98
23) Fluoranthene	19.54	202	348004	5.29	ng	99
25) Pyrene	19.92	202	381247	5.34	ng	99
27) Benzo(a)anthracene	21.68	228	366912	5.14	ng	# 75
28) Chrysene	21.72	228	420810m	5.24	ng	
30) Indeno(1,2,3-cd)pyrene	26.48	276	429429	4.95	ng	97
32) Benzo(b)fluoranthene	23.30	252	94460	5.38	ng	95
33) Benzo(k)fluoranthene	23.35	252	101419	5.75	ng	93
34) Benzo(a)pyrene	23.93	252	93088	5.64	ng	# 95
35) Dibenzo(a,h)anthracene	26.50	278	90936	5.63	ng	95
36) Benzo(g,h,i)perylene	27.23	276	375697	5.50	ng	98

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

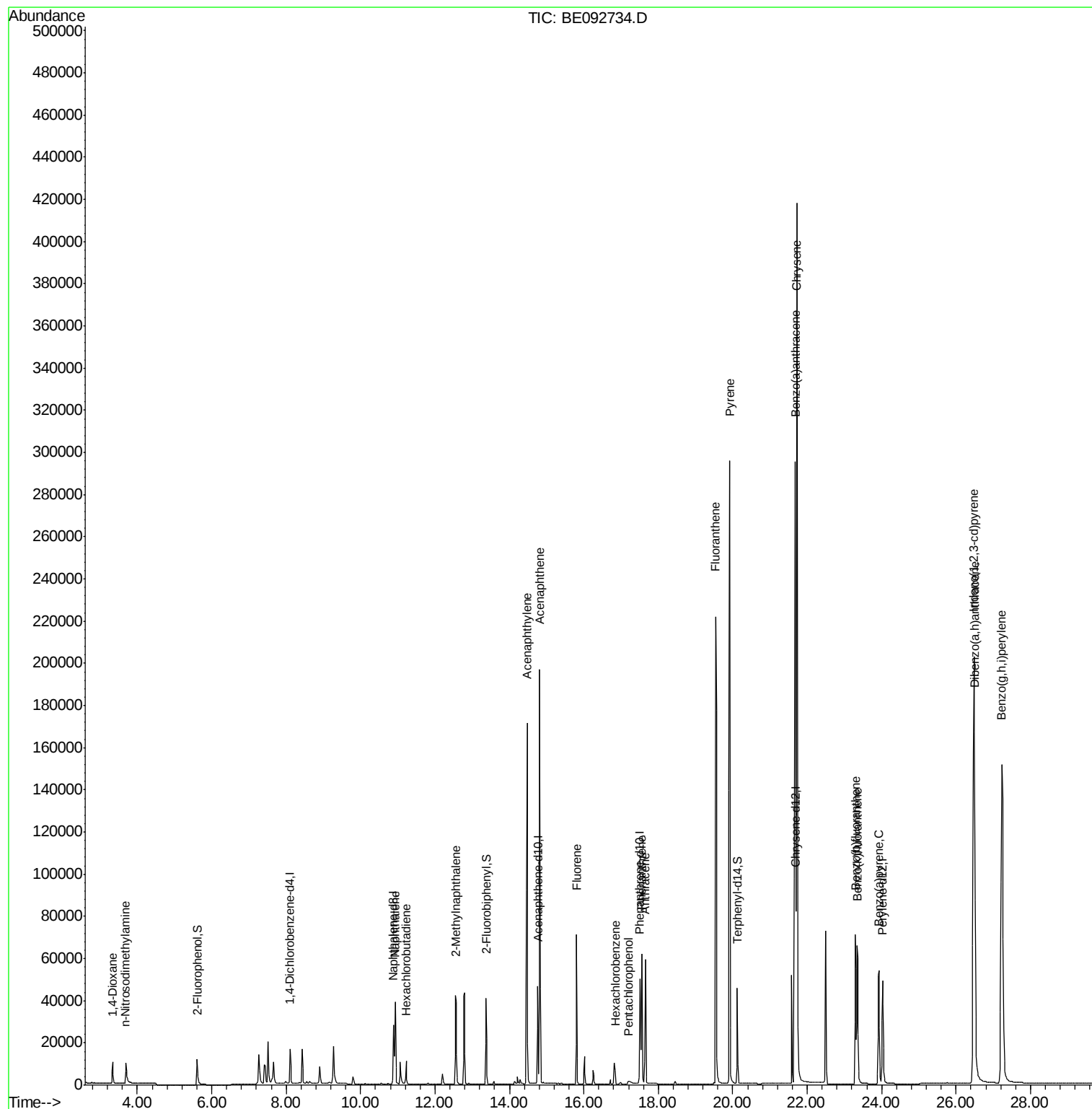
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021517\
Data File : BE092734.D
Acq On : 15 Feb 2017 15:38
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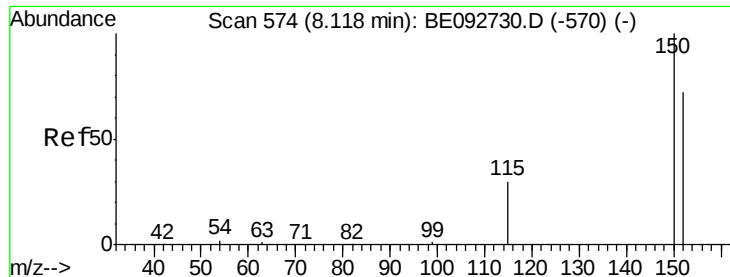
Instrument :
BNA_E
ClientSampleId :
SSTDICC005

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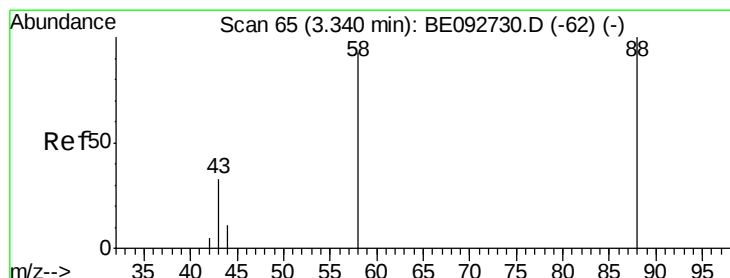
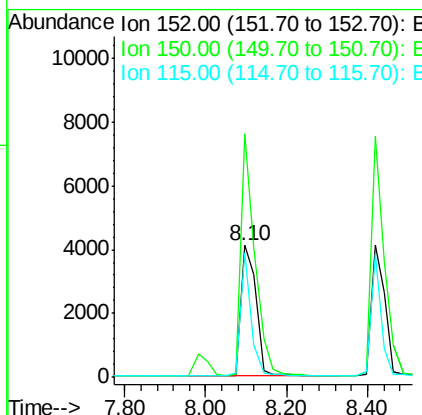
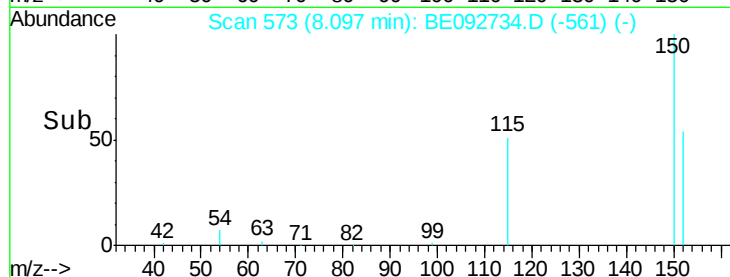
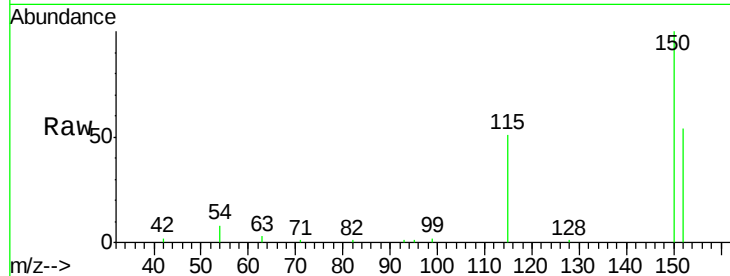
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 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.10 min Scan# 573
 Delta R.T. -0.02 min
 Lab File: BE092734.D
 Acq: 15 Feb 2017 15:38

Instrument :
 BNA_E
 ClientSampleID :
 SSTDICC005

Tgt Ion: 152 Resp: 10542
 Ion Ratio Lower Upper
 152 100
 150 184.8 106.0 159.0#
 115 94.3 31.2 46.8#

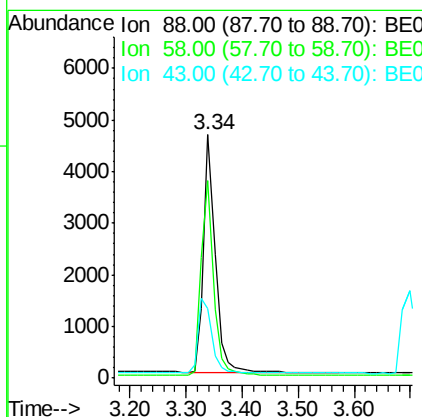
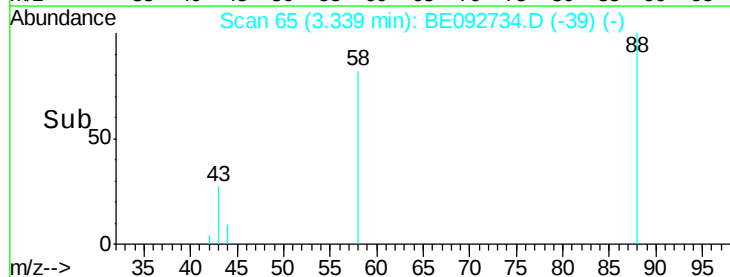
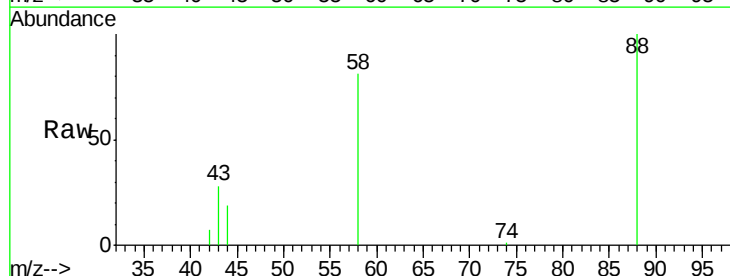
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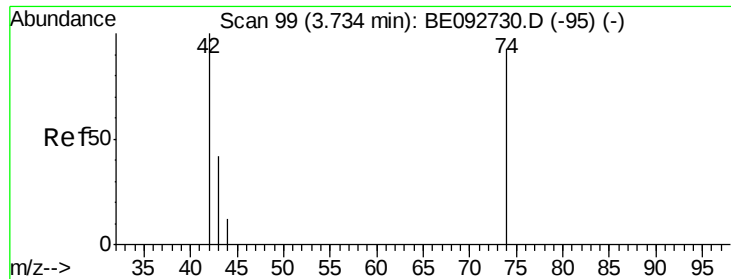
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#2
 1,4-Dioxane
 Concen: 3.95 ng
 RT: 3.34 min Scan# 65
 Delta R.T. -0.00 min
 Lab File: BE092734.D
 Acq: 15 Feb 2017 15:38

Tgt Ion: 88 Resp: 6456
 Ion Ratio Lower Upper
 88 100
 58 87.7 63.6 95.4
 43 37.2 28.0 42.0





#3

n-Nitrosodimethylamine

Concen: 4.89 ng

RT: 3.69 min Scan# 95

Delta R.T. -0.05 min

Lab File: BE092734.D

Acq: 15 Feb 2017 15:38

Instrument :

BNA_E

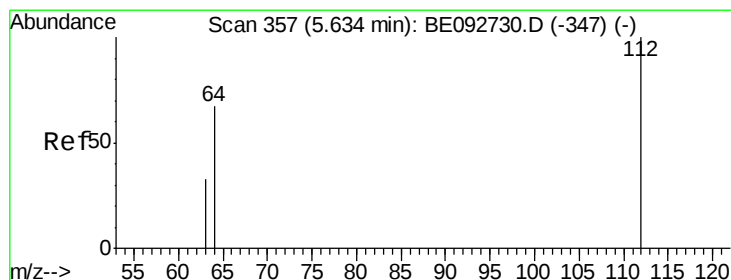
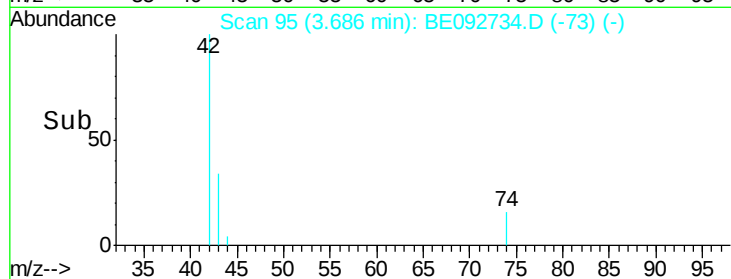
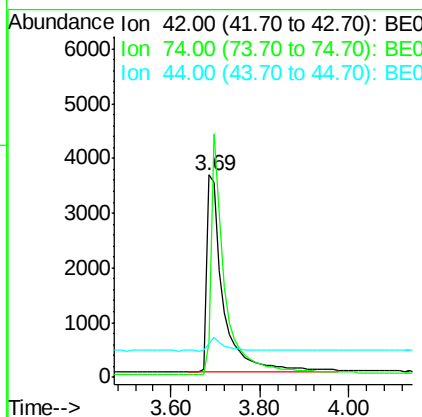
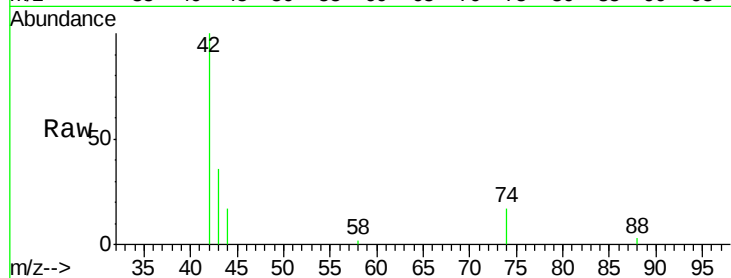
ClientSampleId :

SSTDIC005

Tgt Ion:	42	Resp:	9294
Ion	Ratio	Lower	Upper
42	100		
74	103.4	86.0	129.0
44	6.1	5.1	7.7

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#4

2-Fluorophenol

Concen: 5.21 ng

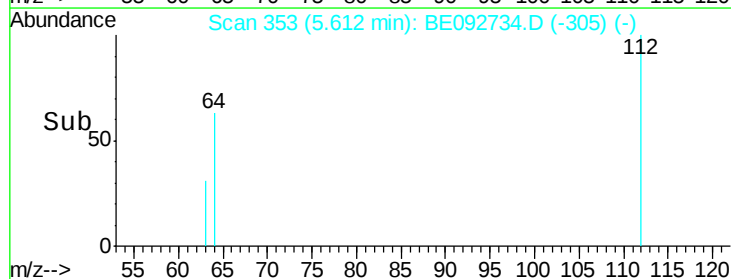
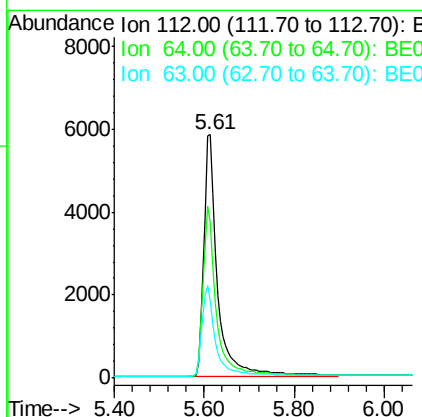
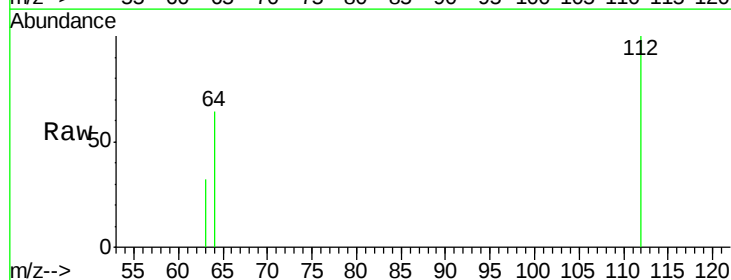
RT: 5.61 min Scan# 353

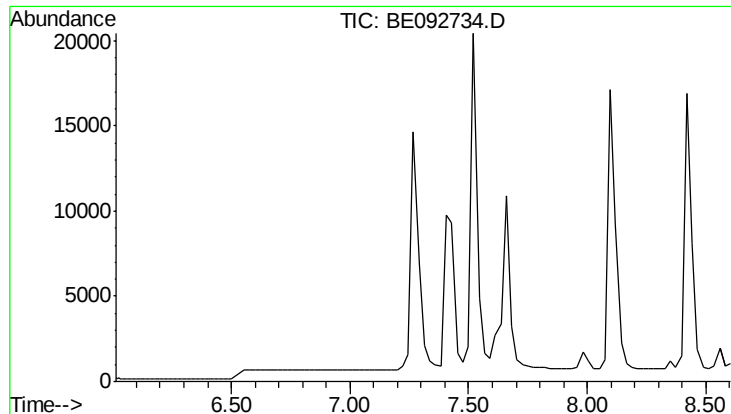
Delta R.T. -0.02 min

Lab File: BE092734.D

Acq: 15 Feb 2017 15:38

Tgt Ion:	112	Resp:	12252
Ion	Ratio	Lower	Upper
112	100		
64	67.8	53.5	80.3
63	36.4	27.9	41.9





#5

Phenol-d6

Concen: 0.00 ng

Expected RT: 7.31 min

Lab File: BE092734.D

Acq: 15 Feb 2017 15:38

Tgt Ion: 99

Sig Exp Ratio

99 100

42 20.0

71 38.2

Instrument :

BNA_E

ClientSampleId :

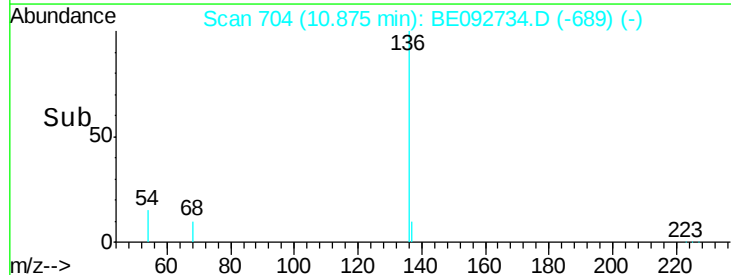
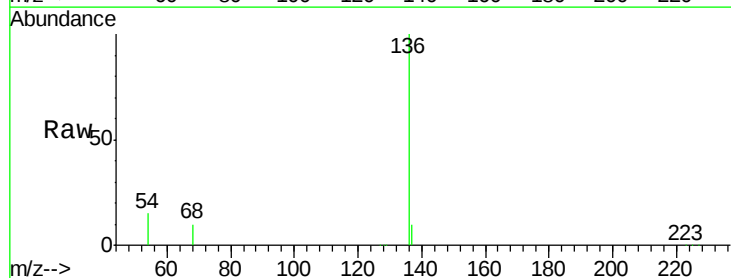
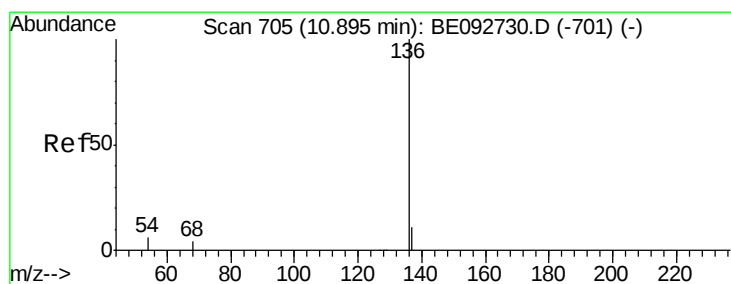
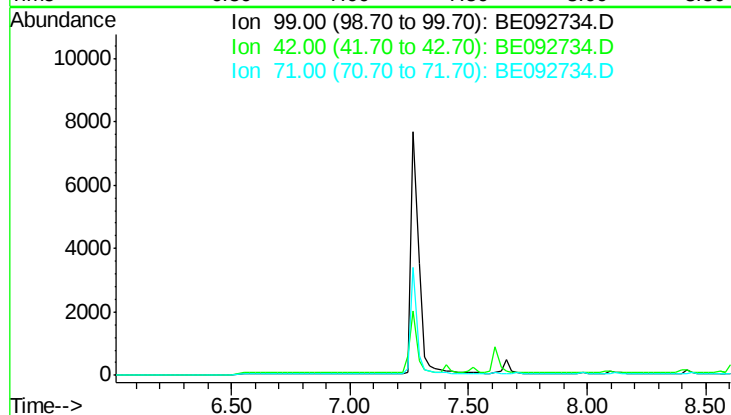
SSTDICC005

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#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.87 min Scan# 704

Delta R.T. -0.02 min

Lab File: BE092734.D

Acq: 15 Feb 2017 15:38

Tgt Ion:136 Resp: 50679

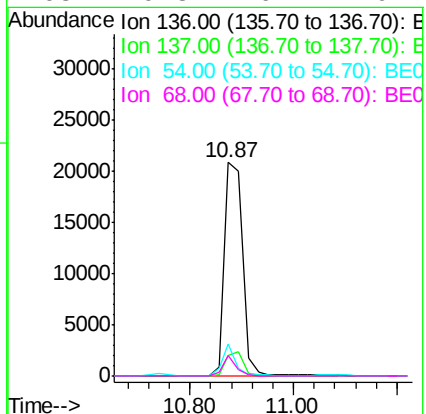
Ion Ratio Lower Upper

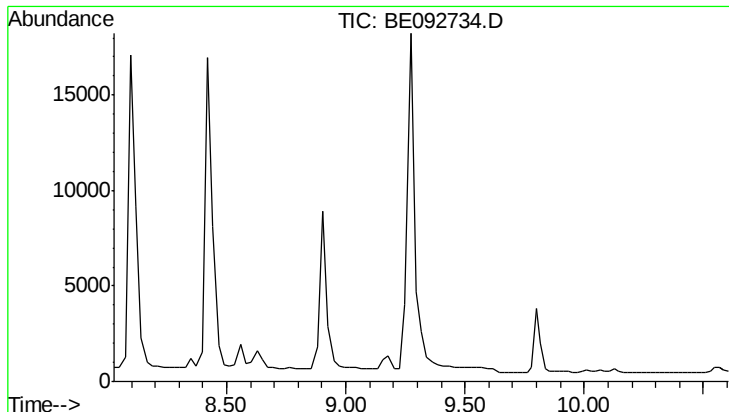
136 100

137 9.8 8.2 12.4

54 14.9 9.6 14.4#

68 9.8 6.7 10.1





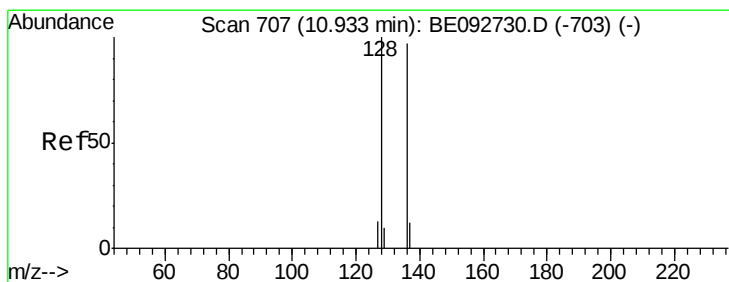
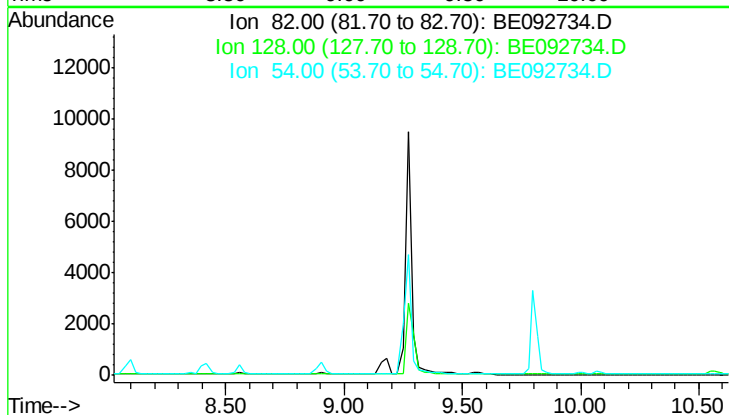
#8
 Nitrobenzene-d5
 Concen: 0.00 ng
 Expected RT: 9.32 min
 Lab File: BE092734.D
 Acq: 15 Feb 2017 15:38

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion	Exp Ratio
82	100
128	48.7
54	56.0

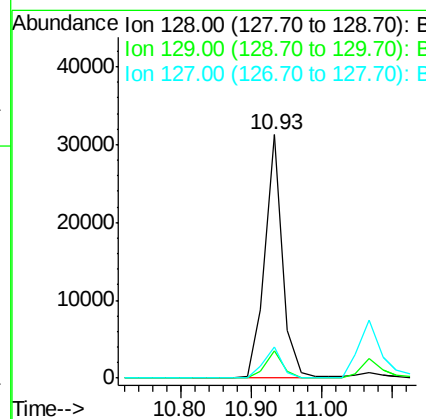
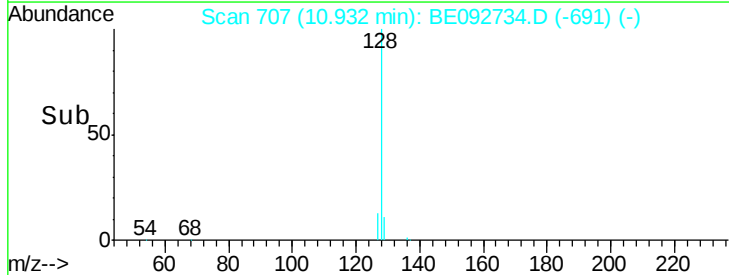
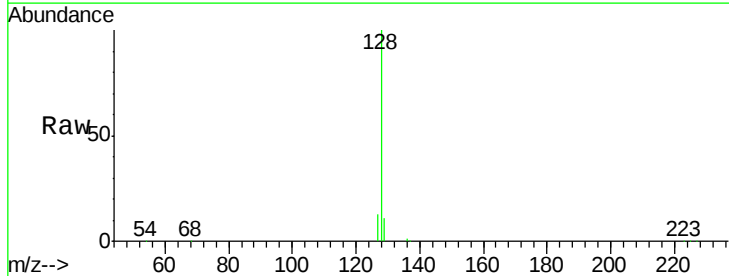
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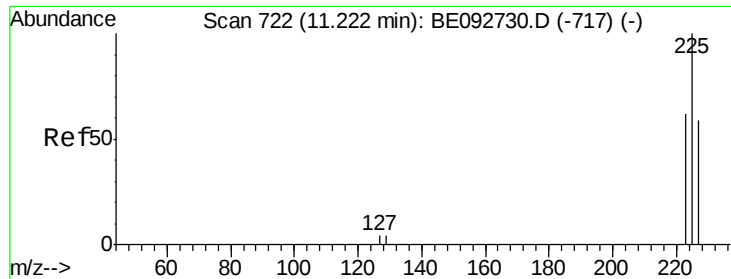
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#9
 Naphthalene
 Concen: 5.15 ng
 RT: 10.93 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: BE092734.D
 Acq: 15 Feb 2017 15:38

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	11.2	16.8#
127	12.6	11.6	17.4





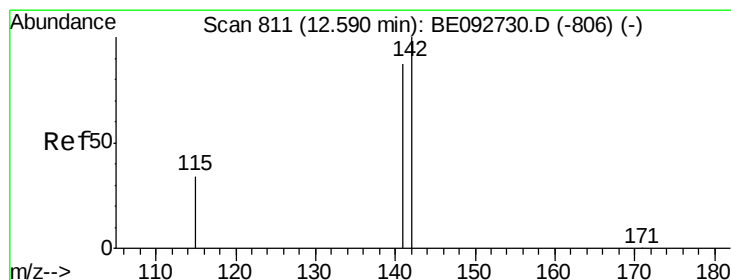
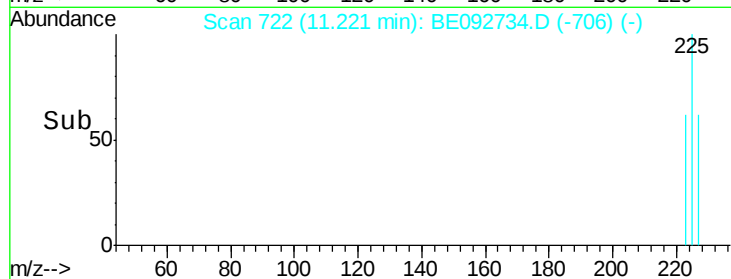
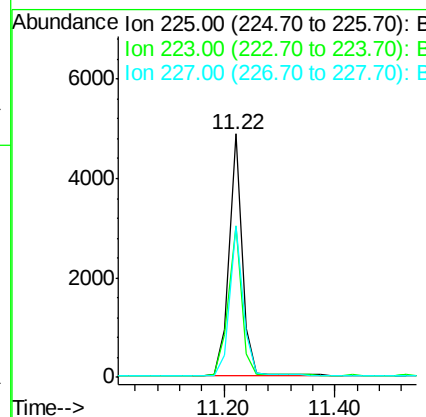
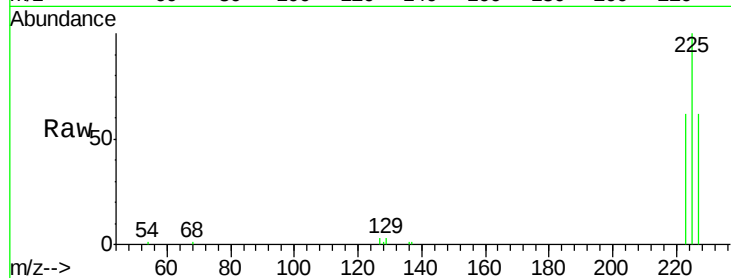
#10
Hexachlorobutadiene
Concen: 5.02 ng
RT: 11.22 min Scan# 722
Delta R.T. -0.00 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	63.1	51.4	77.0

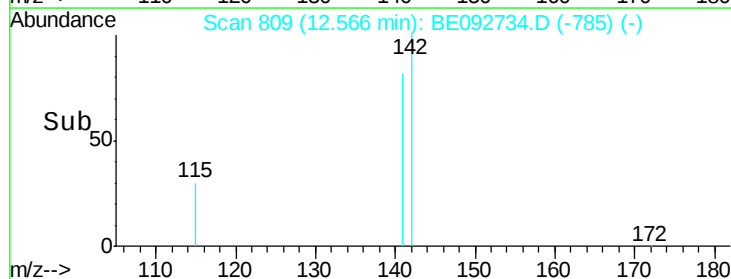
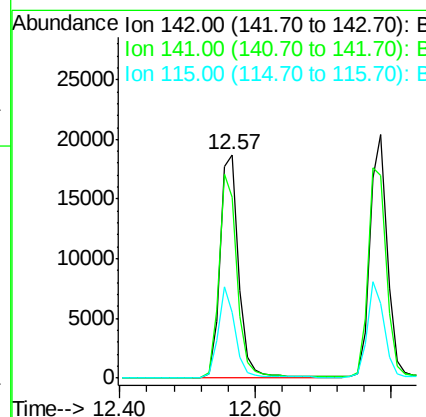
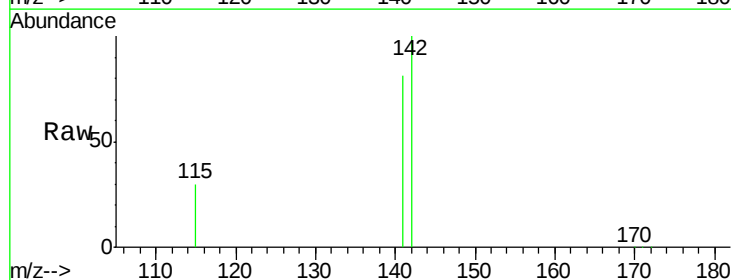
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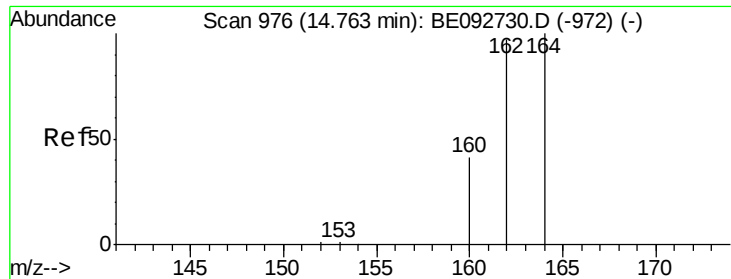
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#11
2-Methylnaphthalene
Concen: 5.52 ng
RT: 12.57 min Scan# 809
Delta R.T. -0.02 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	81.1	73.7	110.5
115	29.6	34.0	51.0#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.76 min Scan# 977

Delta R.T. 0.00 min

Lab File: BE092734.D

Acq: 15 Feb 2017 15:38

Instrument :

BNA_E

ClientSampleId :

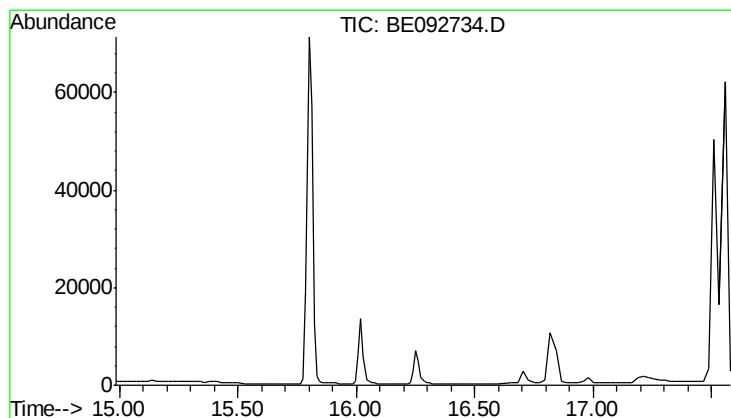
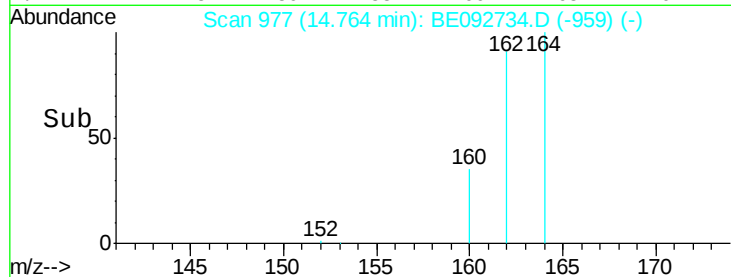
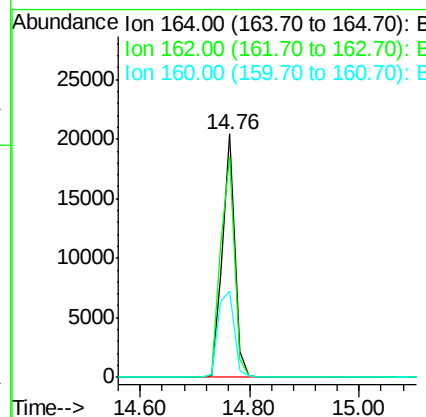
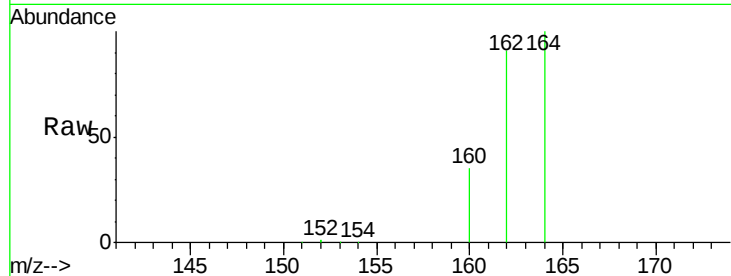
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Tgt Ion: 164 Resp: 32014

Ion	Ratio	Lower	Upper
164	100		
162	90.6	71.4	107.0
160	35.3	27.4	41.2

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#13

2,4,6-Tribromophenol

Concen: 0.00 ng

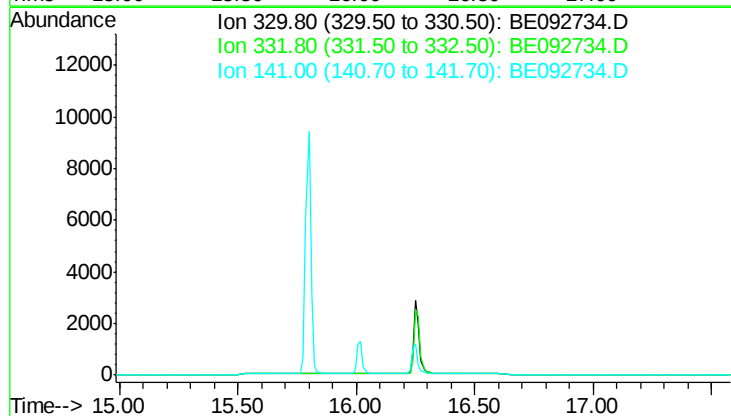
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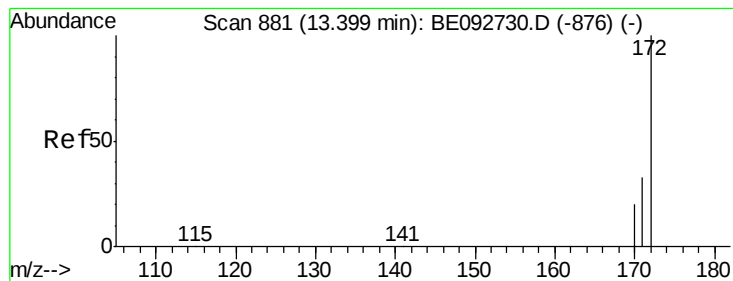
Lab File: BE092734.D

Acq: 15 Feb 2017 15:38

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	94.2
141	38.8





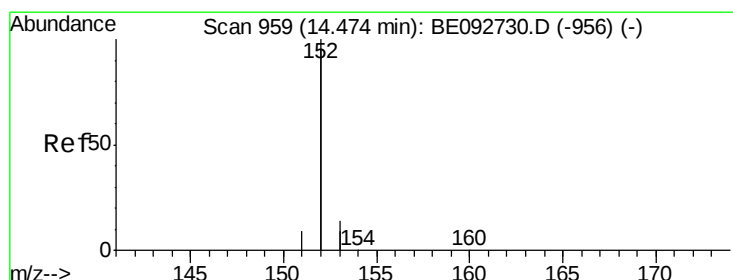
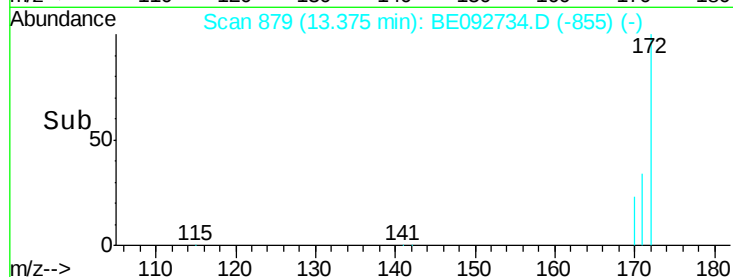
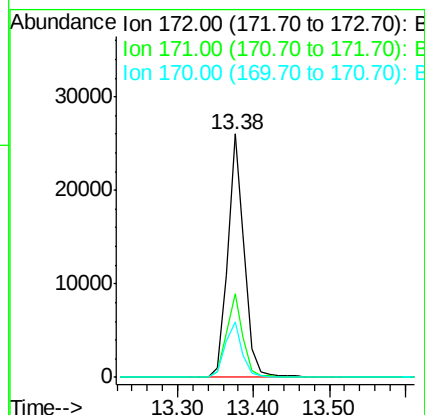
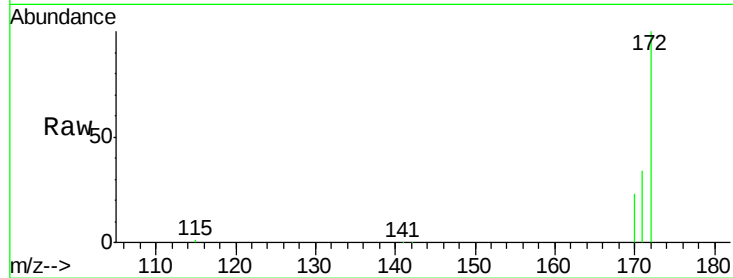
#14
2-Fluorobiphenyl
Concen: 5.04 ng
RT: 13.38 min Scan# 879
Delta R.T. -0.02 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	30.1	45.1
170	23.0	21.8	32.6

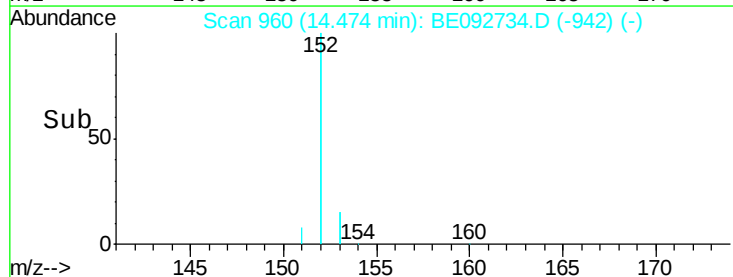
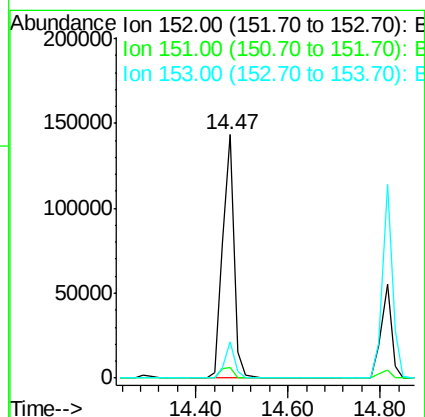
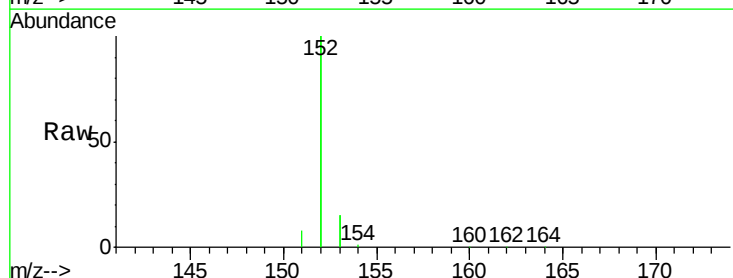
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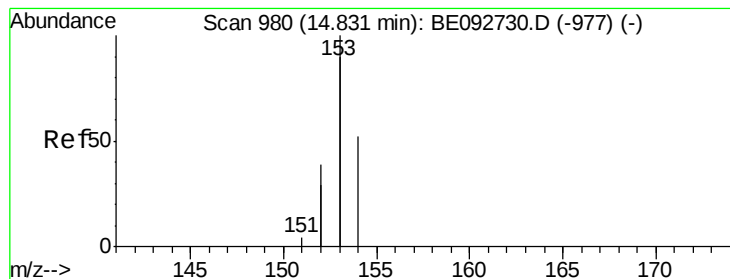
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#15
Acenaphthylene
Concen: 5.66 ng
RT: 14.47 min Scan# 960
Delta R.T. 0.00 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

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





#16

Acenaphthene

Concen: 5.18 ng

RT: 14.81 min Scan# 980

Delta R.T. -0.02 min

Lab File: BE092734.D

Acq: 15 Feb 2017 15:38

Instrument :

BNA_E

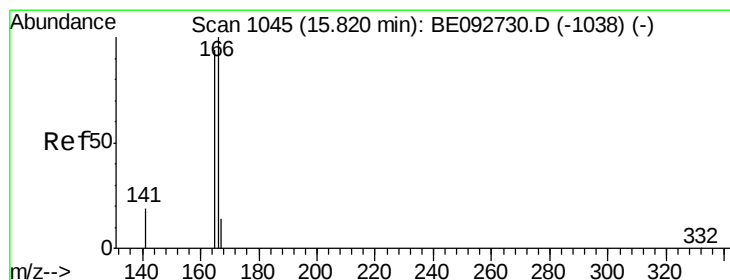
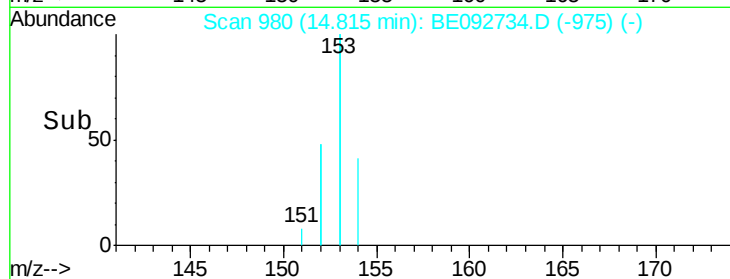
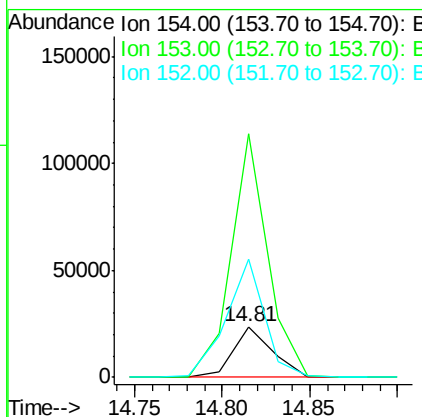
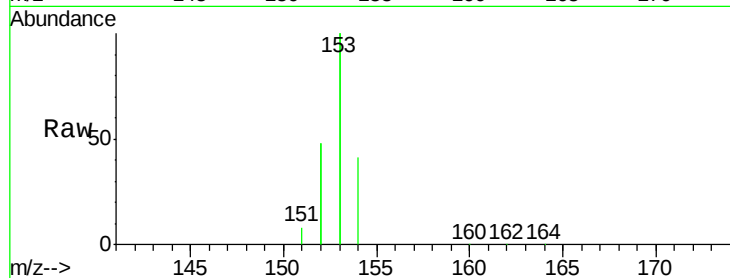
ClientSampleId :

SSTDIC005

Tgt Ion:	154	Resp:	36625
Ion Ratio	Lower	Upper	
154	100		
153	454.7	350.8	526.2
152	227.6	171.1	256.7

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#17

Fluorene

Concen: 5.31 ng

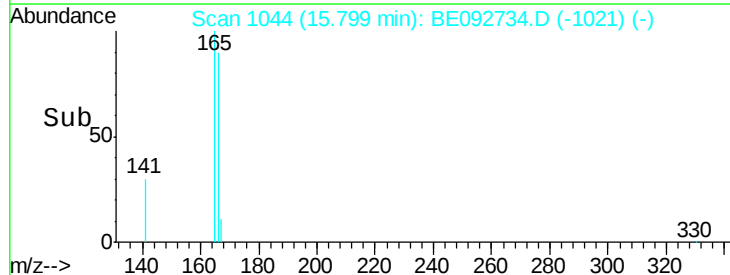
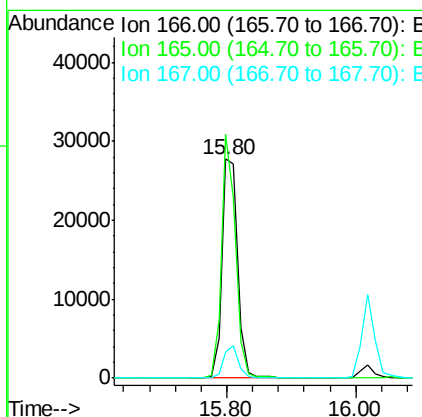
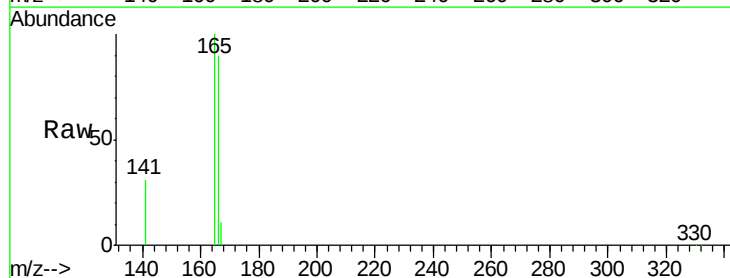
RT: 15.80 min Scan# 1044

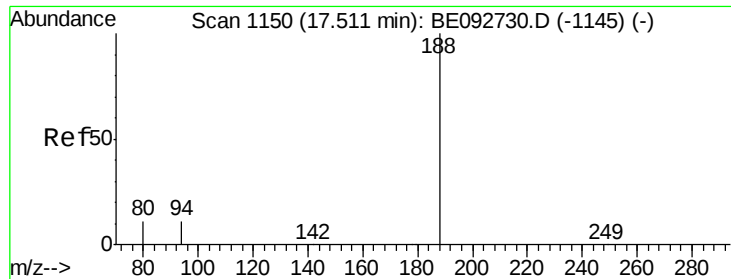
Delta R.T. -0.02 min

Lab File: BE092734.D

Acq: 15 Feb 2017 15:38

Tgt Ion:	166	Resp:	47141
Ion Ratio	Lower	Upper	
166	100		
165	98.8	78.2	117.4
167	13.4	11.0	16.4





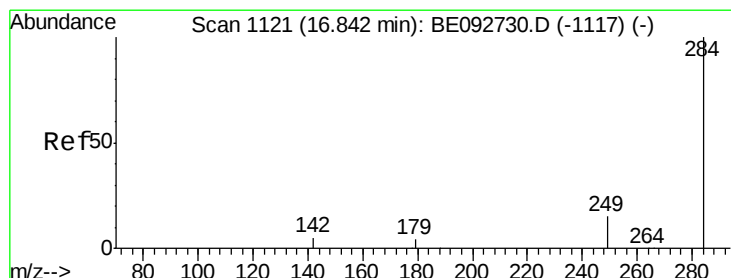
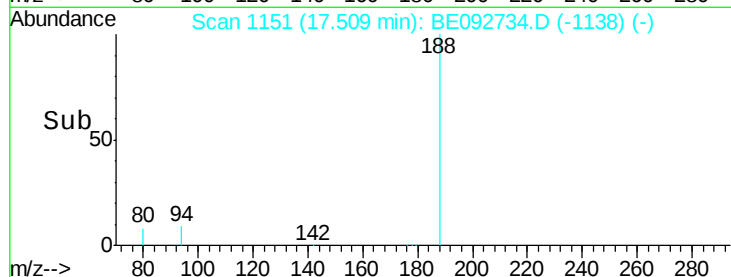
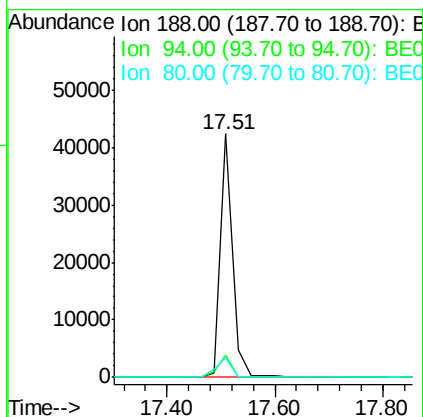
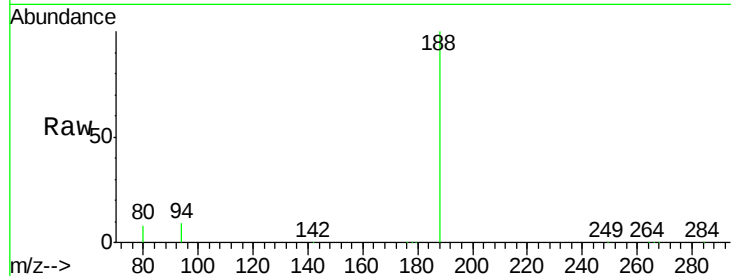
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.51 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	67213		
94	8.9	3.2	4.8#	
80	8.3	2.6	3.8#	

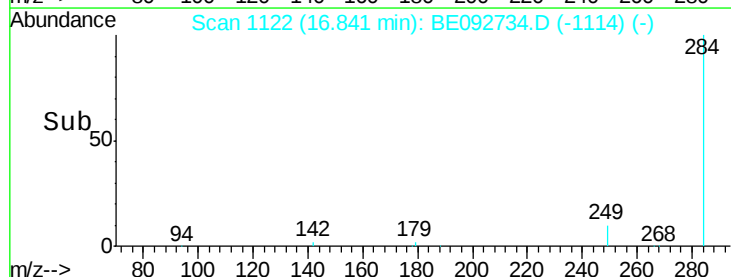
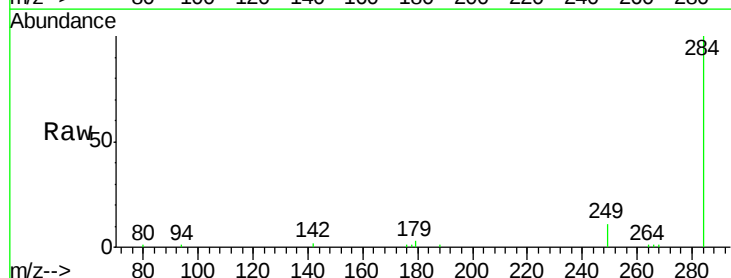
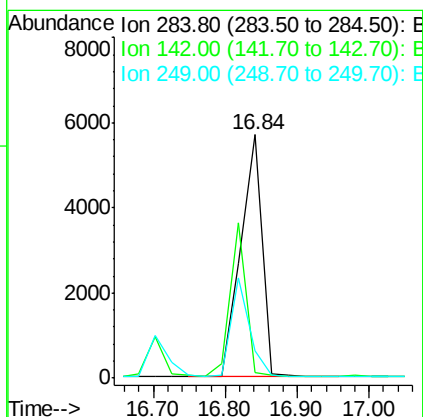
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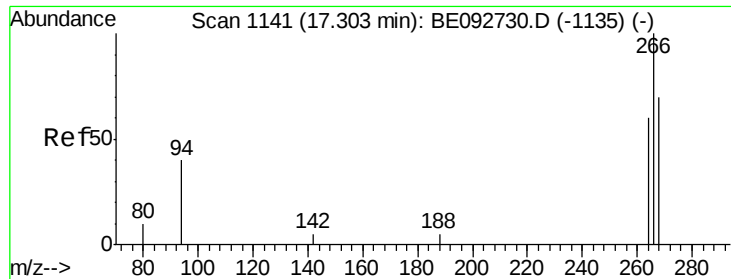
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#19
Hexachlorobenzene
Concen: 4.60 ng
RT: 16.84 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	11662		
142	0.0	29.1	43.7#	
249	0.0	27.9	41.9#	





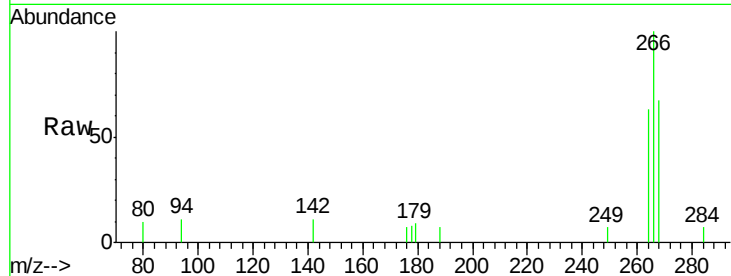
#20
 Pentachlorophenol
 Concen: 5.62 ng
 RT: 17.21 min Scan# 1138
 Delta R.T. -0.09 min
 Lab File: BE092734.D
 Acq: 15 Feb 2017 15:38

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

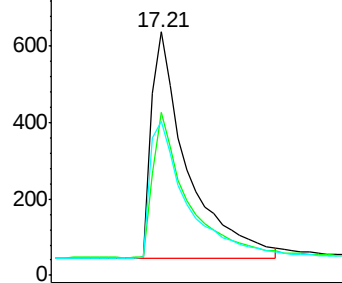
Tgt Ion	Ratio	Lower	Upper
266	100		
268	66.8	62.5	93.7
264	63.5	57.2	85.8

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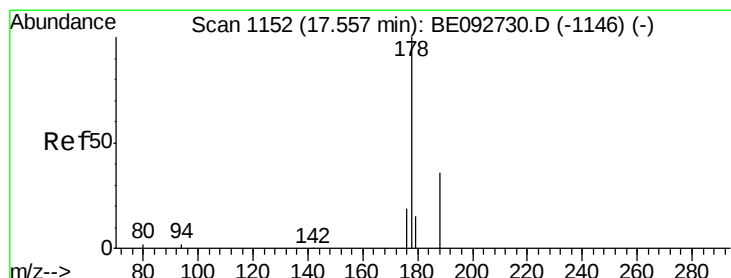
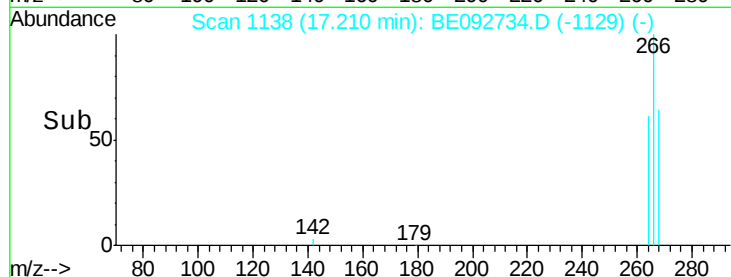
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Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E



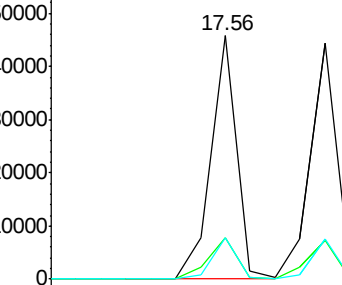
Time-->



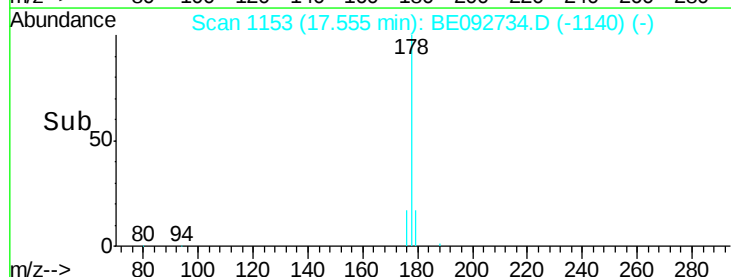
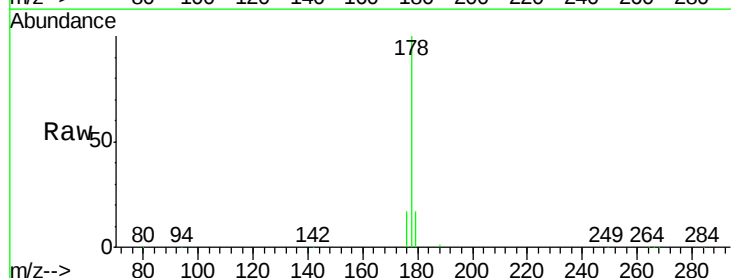
#21
 Phenanthrene
 Concen: 5.16 ng
 RT: 17.56 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BE092734.D
 Acq: 15 Feb 2017 15:38

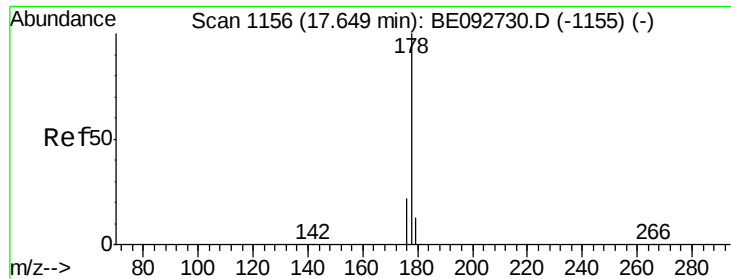
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	16.0	16.0	24.0

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



Time-->





#22

Anthracene

Concen: 5.58 ng

RT: 17.65 min Scan# 1157

Delta R.T. -0.00 min

Lab File: BE092734.D

Acq: 15 Feb 2017 15:38

Instrument :

BNA_E

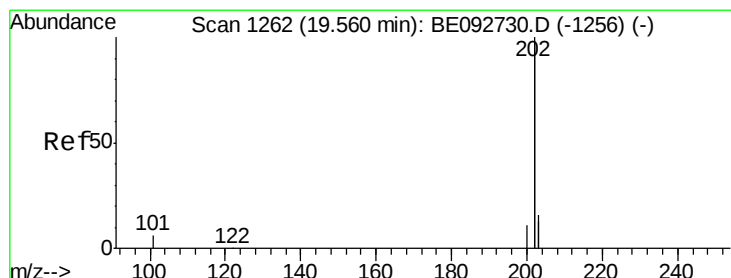
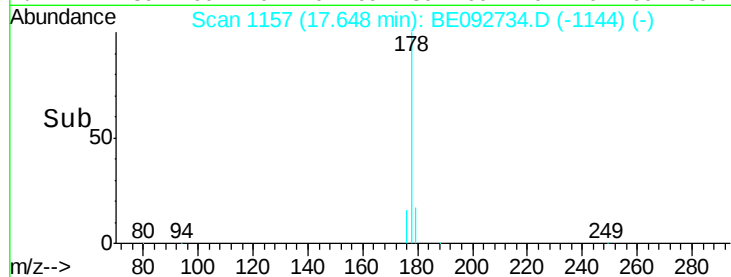
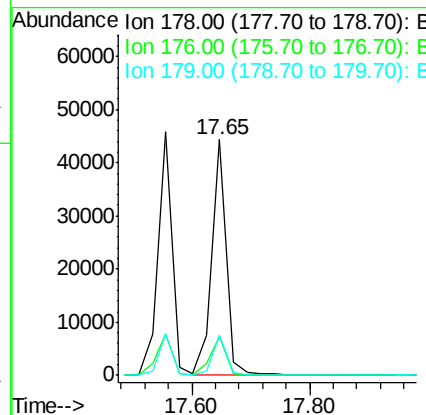
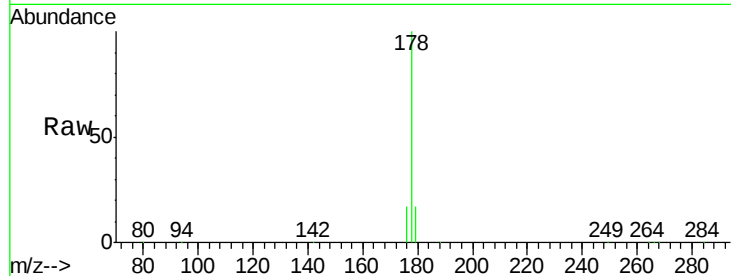
ClientSampleId :

SSTDIC005

Tgt Ion:	178	Resp:	76381
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.0	22.4
179	16.1	12.2	18.2

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#23

Fluoranthene

Concen: 5.29 ng

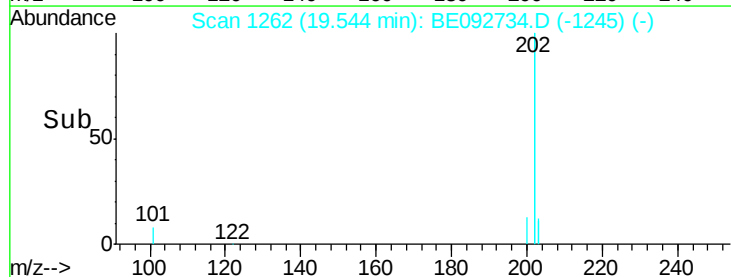
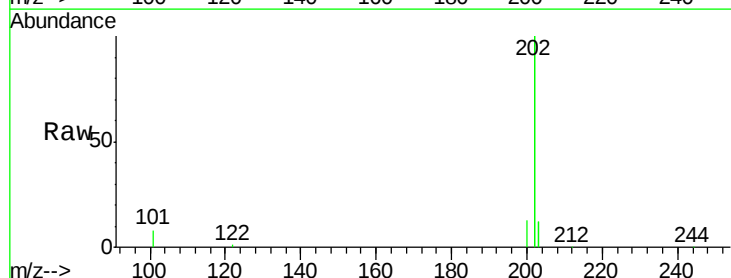
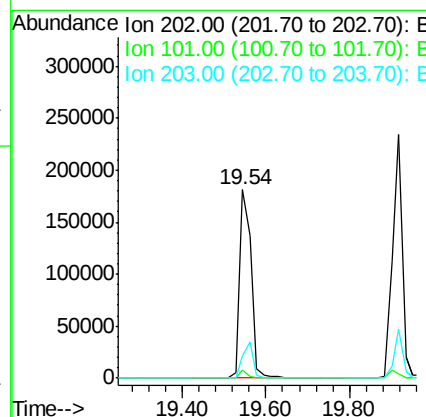
RT: 19.54 min Scan# 1262

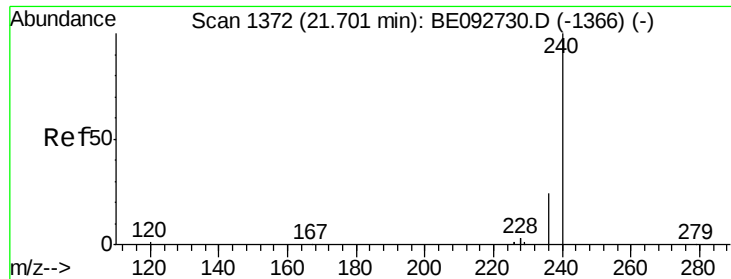
Delta R.T. -0.02 min

Lab File: BE092734.D

Acq: 15 Feb 2017 15:38

Tgt Ion:	202	Resp:	348004
Ion Ratio	Lower	Upper	
202	100		
101	3.0	2.2	3.4
203	17.8	13.7	20.5





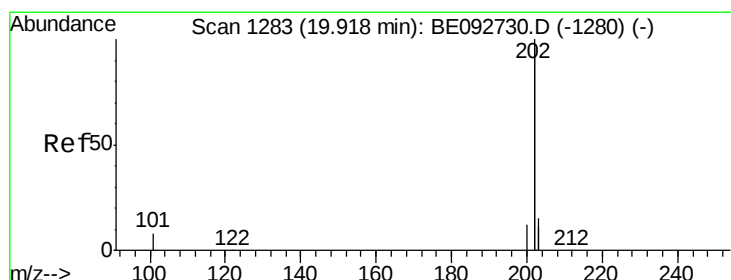
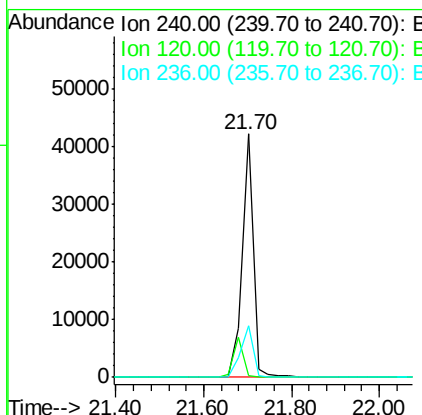
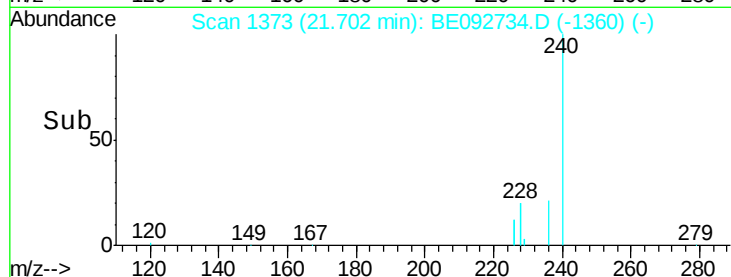
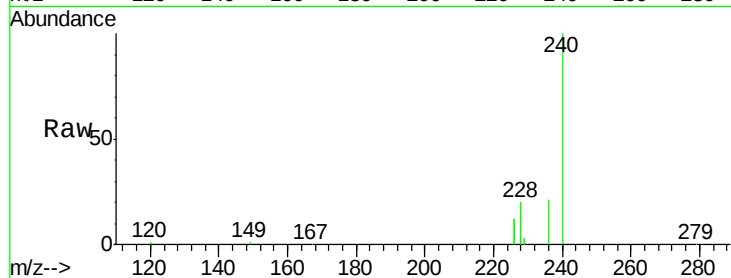
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.70 min Scan# 1373
Delta R.T. 0.00 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion: 240 Resp: 72425
Ion Ratio Lower Upper
240 100
120 0.7 2.6 4.0#
236 21.5 24.6 37.0#

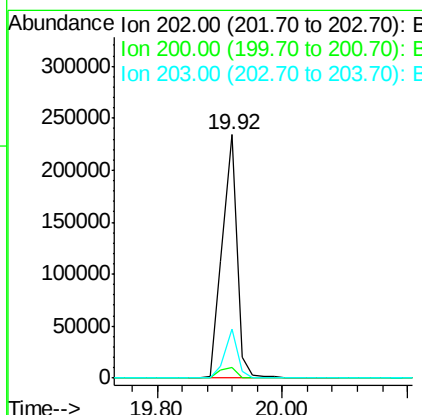
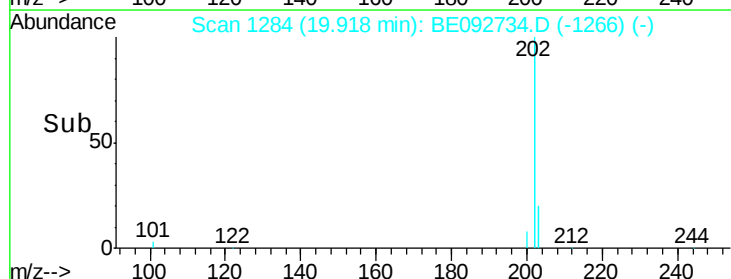
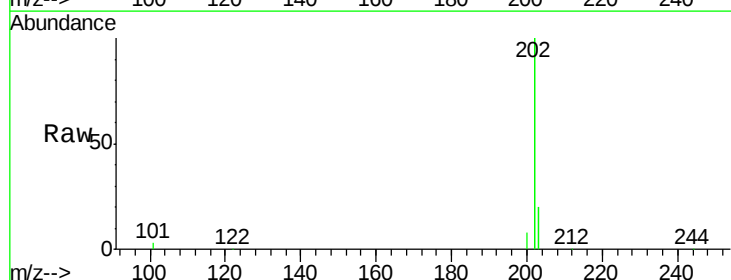
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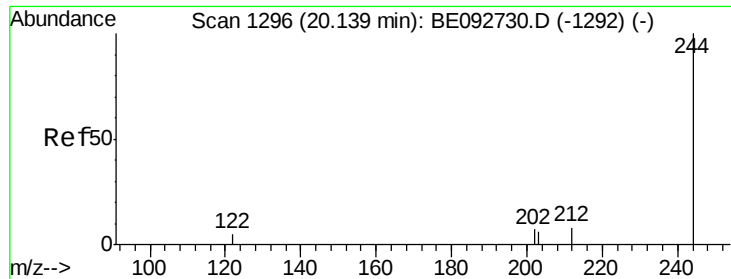
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#25
Pyrene
Concen: 5.34 ng
RT: 19.92 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

Tgt Ion: 202 Resp: 381247
Ion Ratio Lower Upper
202 100
200 5.1 4.2 6.4
203 17.8 13.9 20.9





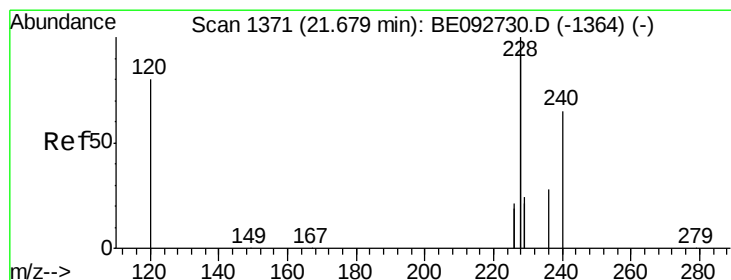
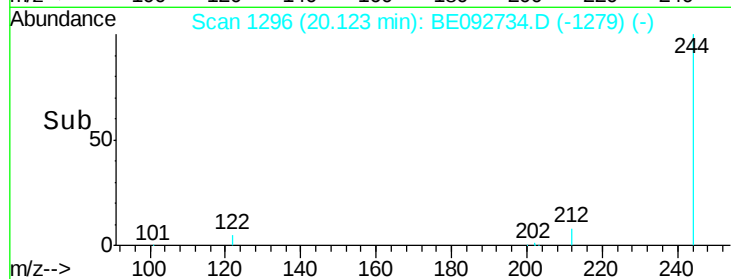
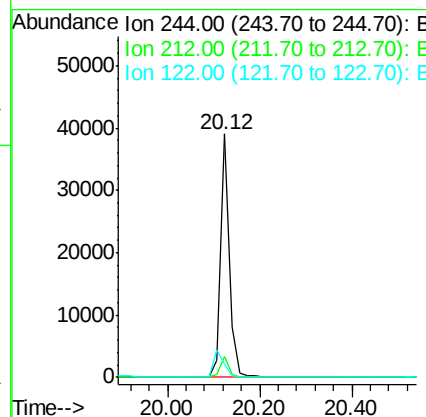
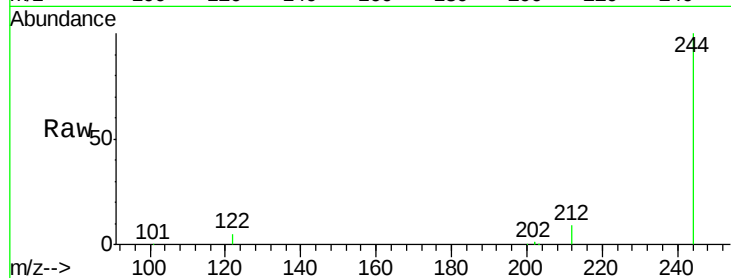
#26
 Terphenyl-d14
 Concen: 5.11 ng
 RT: 20.12 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BE092734.D
 Acq: 15 Feb 2017 15:38

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.6	6.7	10.1
122	5.5	3.6	5.4#

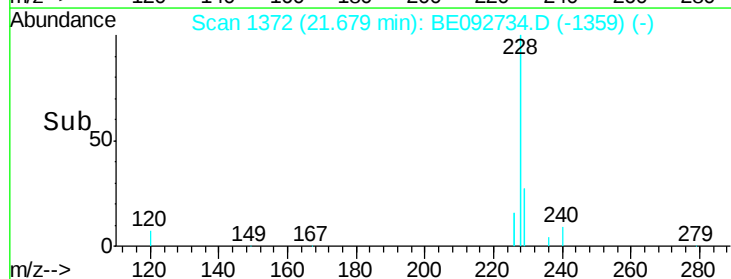
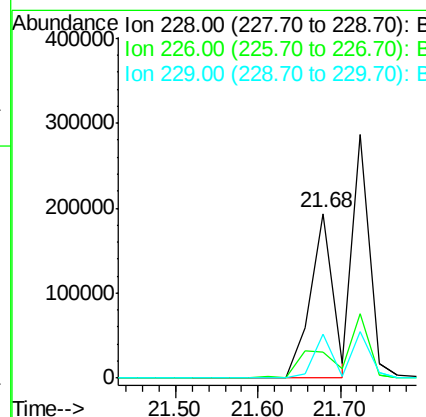
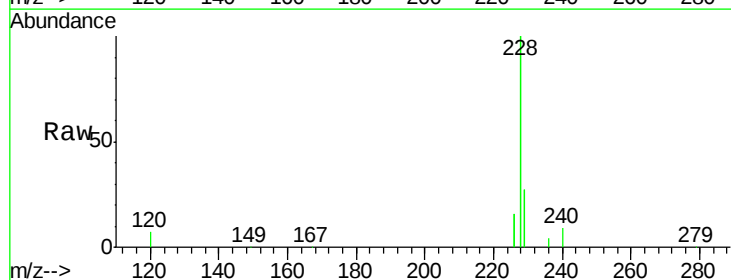
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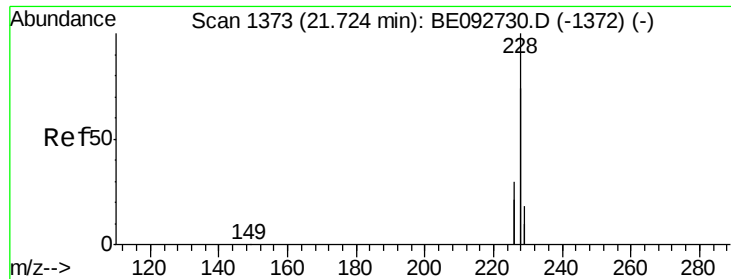
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#27
 Benzo(a)anthracene
 Concen: 5.14 ng
 RT: 21.68 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: BE092734.D
 Acq: 15 Feb 2017 15:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	16.0	23.6	35.4#
229	26.8	13.3	19.9#





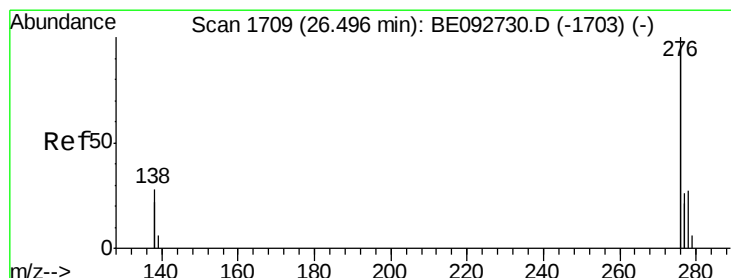
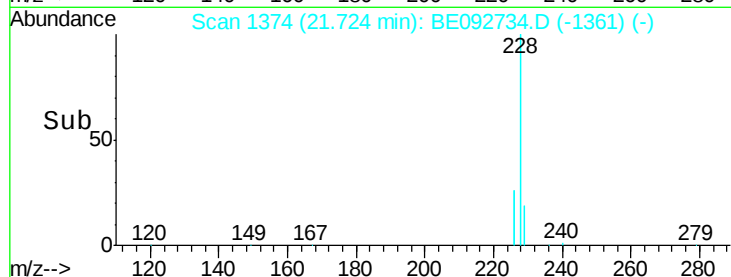
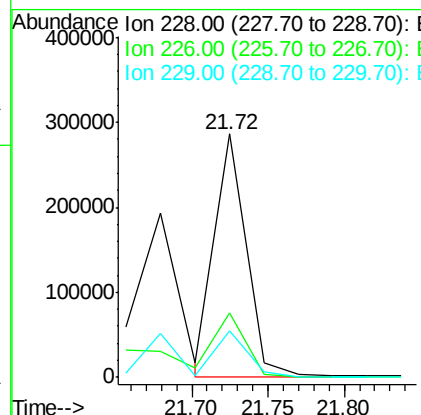
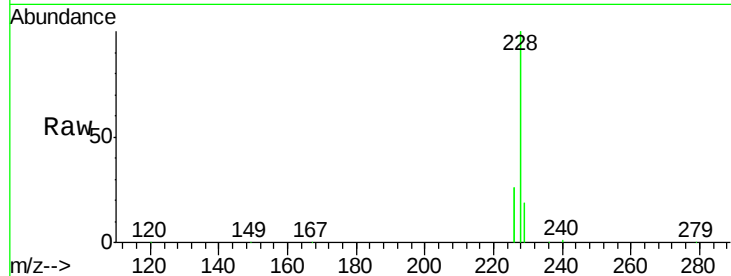
#28
Chrysene
Concen: 5.24 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	420810		
226	26.4	36.3	54.5#	
229	18.9	10.6	16.0#	

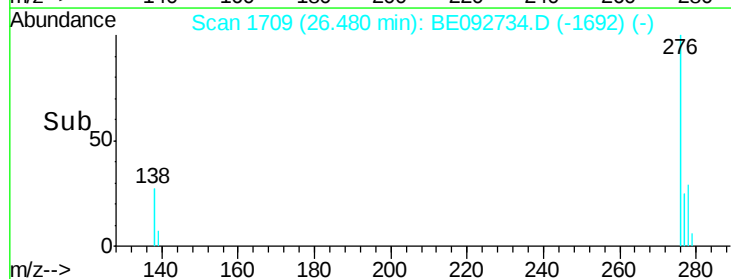
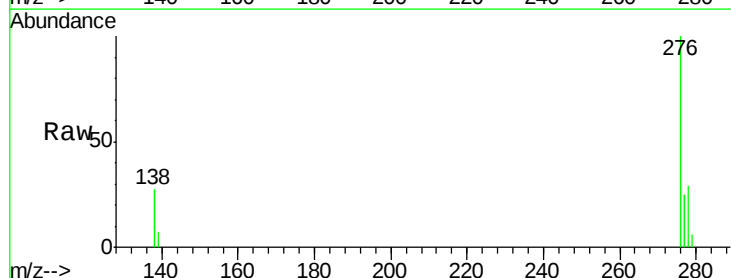
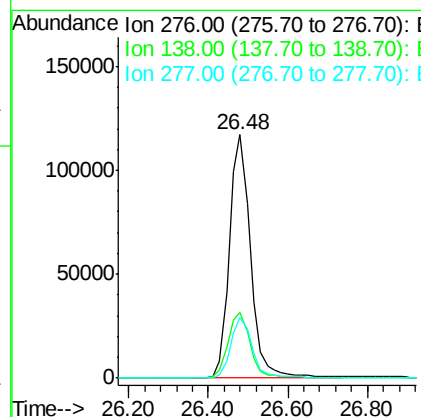
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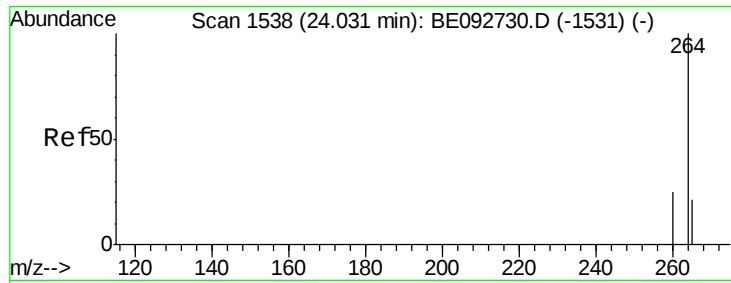
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#30
Indeno(1,2,3-cd)pyrene
Concen: 4.95 ng
RT: 26.48 min Scan# 1709
Delta R.T. -0.02 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	429429		
138	28.1	20.3	30.5	
277	24.8	19.7	29.5	





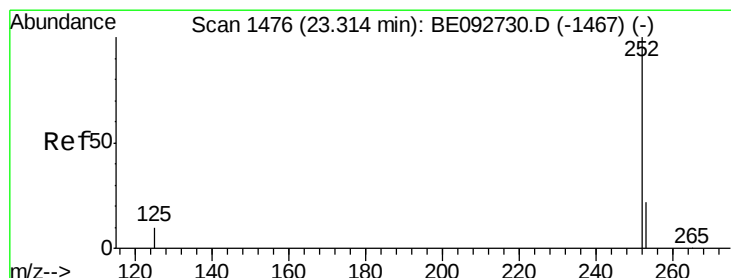
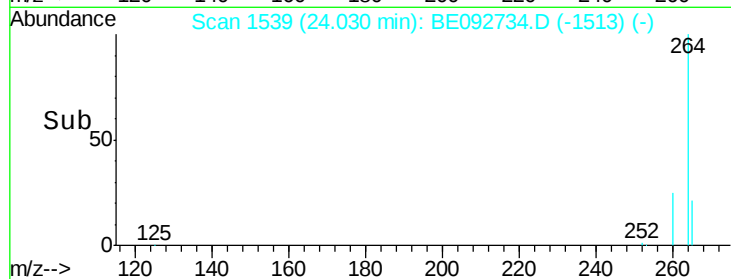
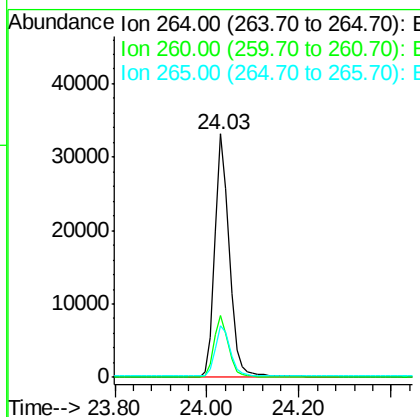
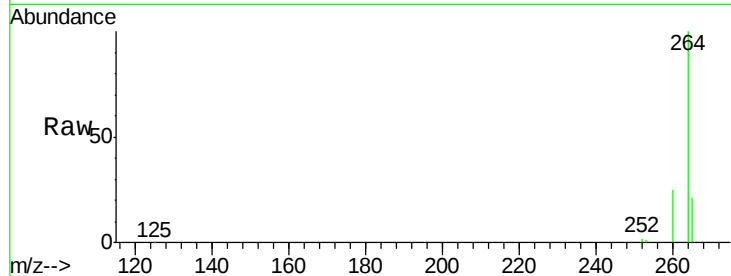
#31
Perylene-d12
Concen: 5.00 ng
RT: 24.03 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	21.4	17.9	26.9

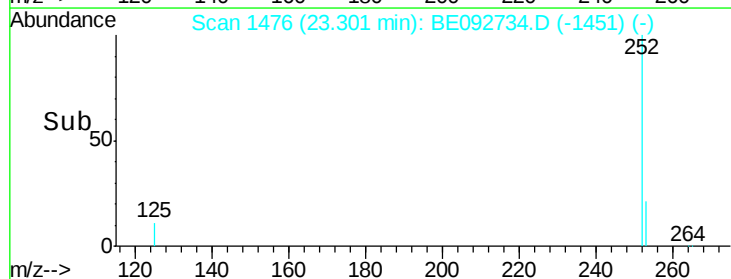
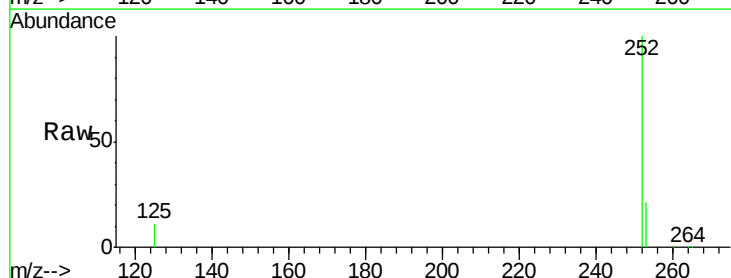
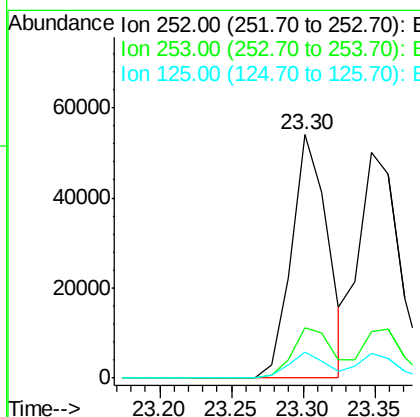
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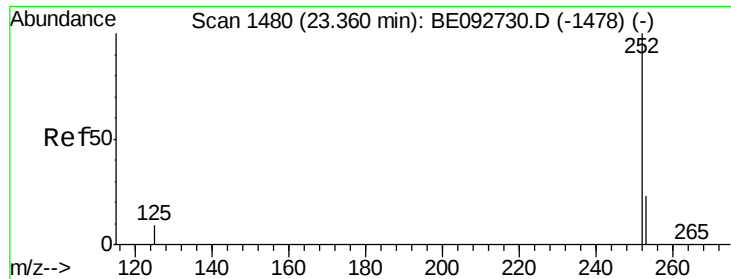
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#32
Benzo(b)fluoranthene
Concen: 5.38 ng
RT: 23.30 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.7	28.1
125	10.9	10.5	15.7





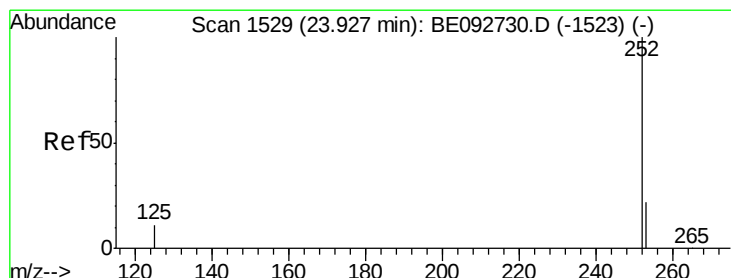
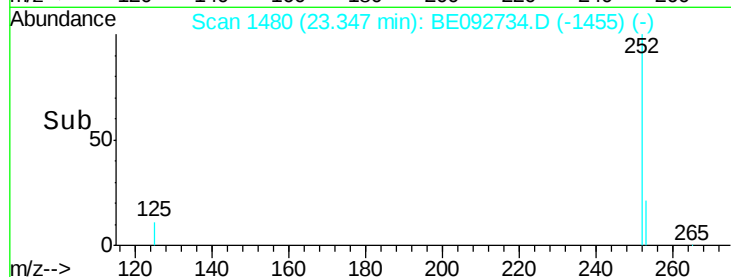
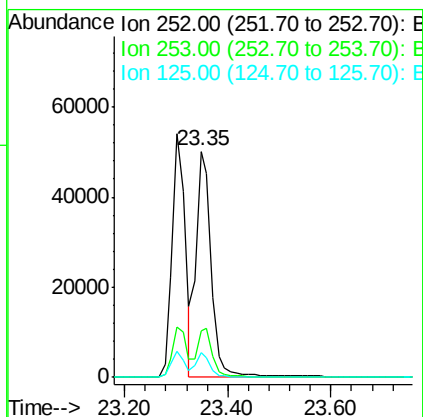
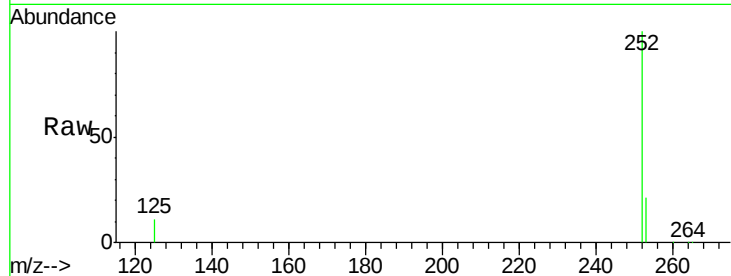
#33
Benzo(k)fluoranthene
Concen: 5.75 ng
RT: 23.35 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	20.3	30.5
125	11.0	9.6	14.4

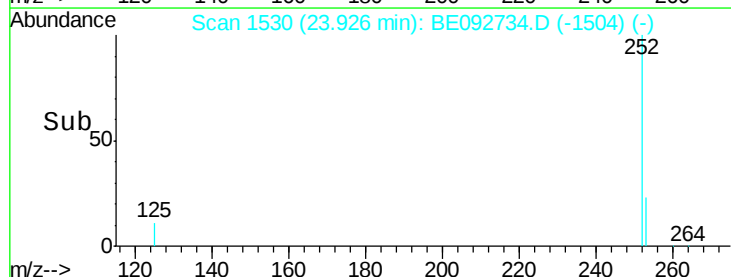
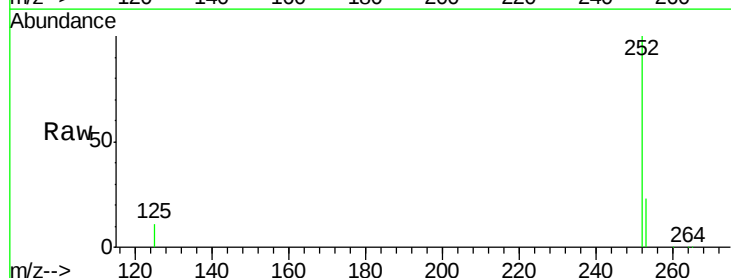
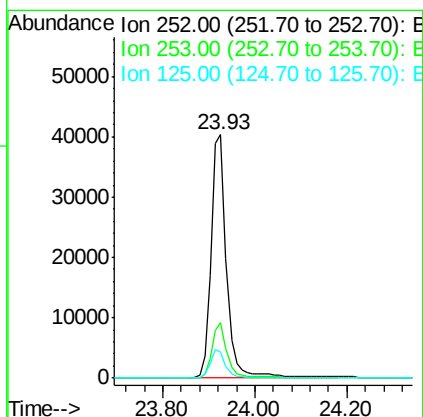
Manual Integrations
APPROVED

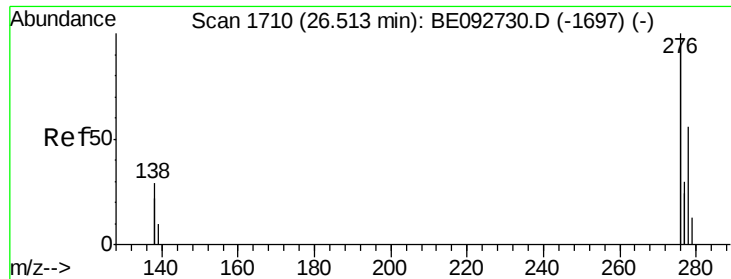
mohammad
2/16/2017 11:47:17 AM



#34
Benzo(a)pyrene
Concen: 5.64 ng
RT: 23.93 min Scan# 1530
Delta R.T. -0.00 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

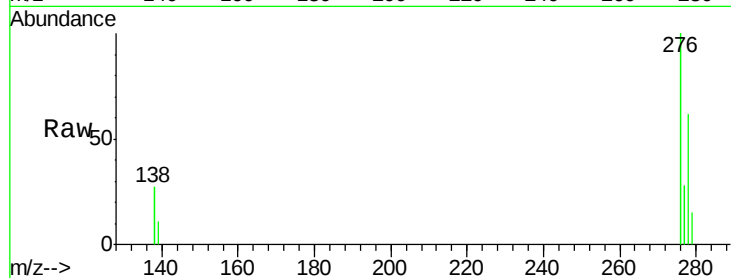
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.0	28.6
125	10.8	11.8	17.8#





#35
Dibenzo(a,h)anthracene
Concen: 5.63 ng
RT: 26.50 min Scan# 1710
Delta R.T. -0.02 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

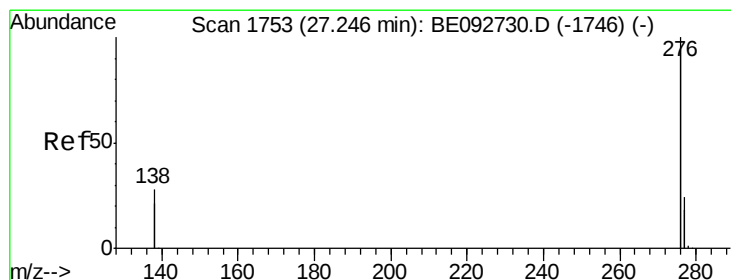
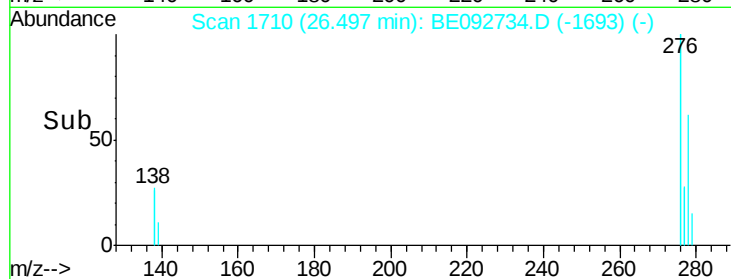
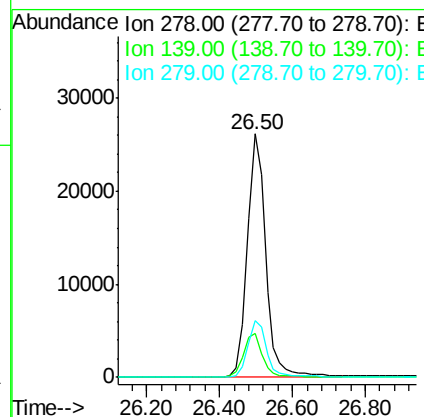
Instrument :
BNA_E
ClientSampleId :
SSTDIC005



Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.3	13.8	20.8
279	23.6	21.4	32.2

Manual Integrations
APPROVED

mohammad
2/16/2017 11:47:17 AM



#36
Benzo(g,h,i)perylene
Concen: 5.50 ng
RT: 27.23 min Scan# 1753
Delta R.T. -0.02 min
Lab File: BE092734.D
Acq: 15 Feb 2017 15:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.8	29.8
138	24.5	19.8	29.6

