

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092216\
 Data File : BE092392.D
 Acq On : 22 Sep 2016 12:51
 Operator : UM/SJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Manual Integrations
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Quant Time: Sep 22 18:42:39 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 16:57:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	10109	5.00	ng	0.00
7) Naphthalene-d8	10.95	136	49220	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	35407	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	70301	5.00	ng	0.00
24) Chrysene-d12	21.75	240	93679	5.00	ng	0.00
31) Perylene-d12	24.12	264	80852	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.66	112	24039	10.00	ng	-0.03
5) Phenol-d6	7.33	99	33952	10.59	ng	-0.02
8) Nitrobenzene-d5	9.32	82	36412	10.30	ng	-0.05
13) 2,4,6-Tribromophenol	16.31	330	12715	11.59	ng	-0.02
14) 2-Fluorobiphenyl	13.43	172	88864	8.18	ng	-0.01
26) Terphenyl-d14	20.17	244	120504	8.70	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.40	88	10612	7.42	ng	93
3) n-Nitrosodimethylamine	3.75	42	16551	12.38	ng	98
6) bis(2-Chloroethyl)ether	7.59	93	27189	10.44	ng	# 27
9) Naphthalene	10.99	128	101883	9.24	ng	# 95
10) Hexachlorobutadiene	11.28	225	15574	9.06	ng	99
11) 2-Methylnaphthalene	12.62	142	70798	9.81	ng	# 87
15) Acenaphthylene	14.53	152	522565	8.57	ng	100
16) Acenaphthene	14.88	154	76025	7.70	ng	93
17) Fluorene	15.87	166	100334	8.10	ng	100
19) Hexachlorobenzene	16.89	284	30505	9.06	ng	# 65
21) Phenanthrene	17.60	178	155442	7.87	ng	# 95
22) Anthracene	17.69	178	166861	9.49	ng	98
23) Fluoranthene	19.61	202	789485	9.15	ng	99
25) Pyrene	19.97	202	822305	9.02	ng	100
27) Benzo(a)anthracene	21.72	228	916731m	9.07	ng	
28) Chrysene	21.77	228	749377m	7.18	ng	
30) Indeno(1,2,3-cd)pyrene	26.62	276	909711	8.54	ng	99
32) Benzo(b)fluoranthene	23.38	252	200995	9.68	ng	# 95
33) Benzo(k)fluoranthene	23.43	252	205246	9.35	ng	93
34) Benzo(a)pyrene	24.01	252	196975	9.63	ng	# 94
35) Dibenzo(a,h)anthracene	26.65	278	185604	9.81	ng	# 94
36) Benzo(g,h,i)perylene	27.40	276	767272	9.62	ng	95

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

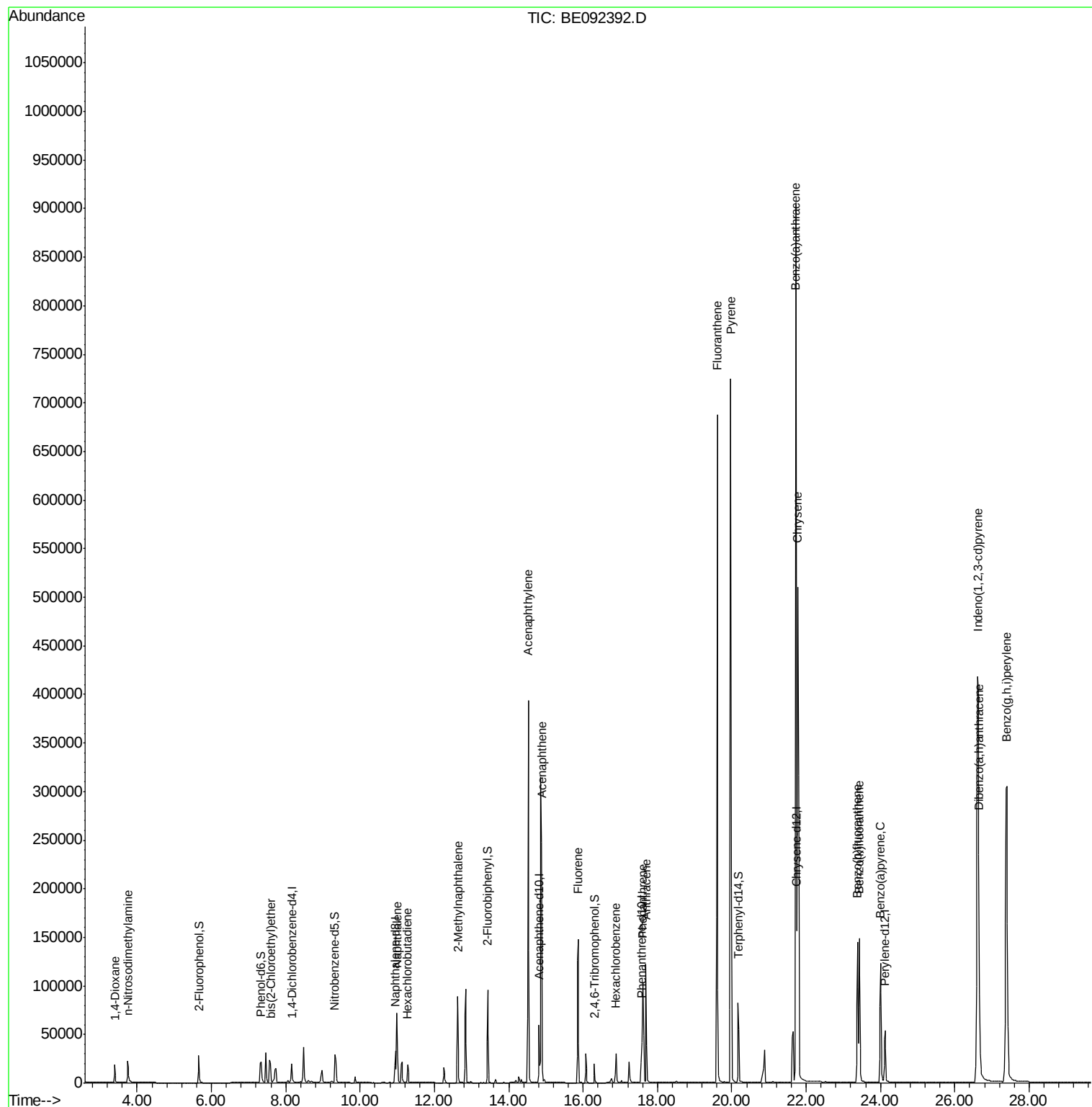
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE092216\
Data File : BE092392.D
Acq On : 22 Sep 2016 12:51
Operator : UM/SJ
Sample : SSTDIC010
Misc :
ALS Vial : 2 Sample Multiplier: 1

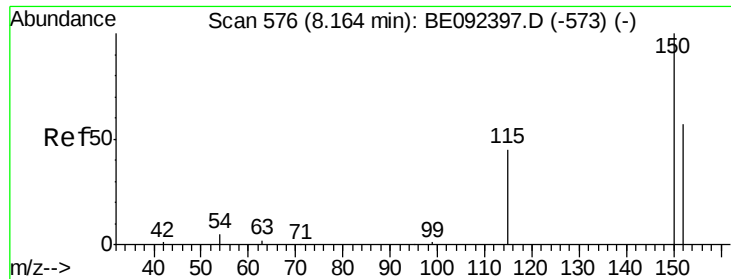
Instrument :
BNA_E
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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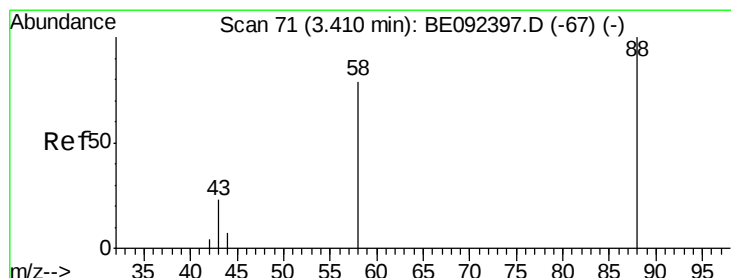
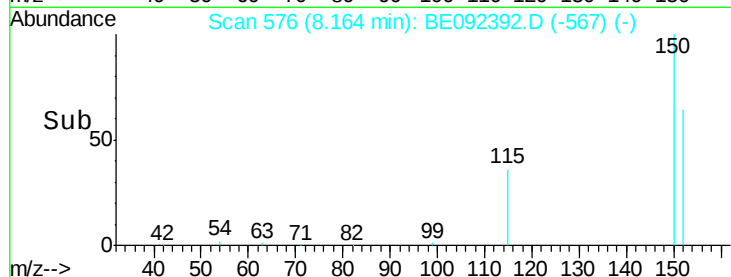
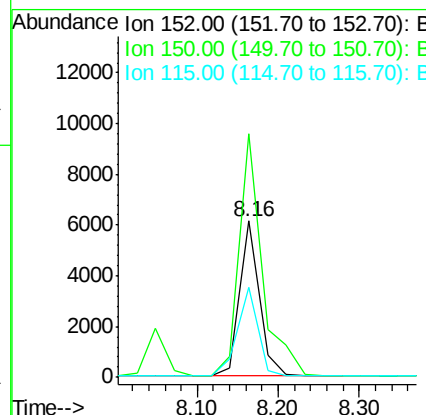
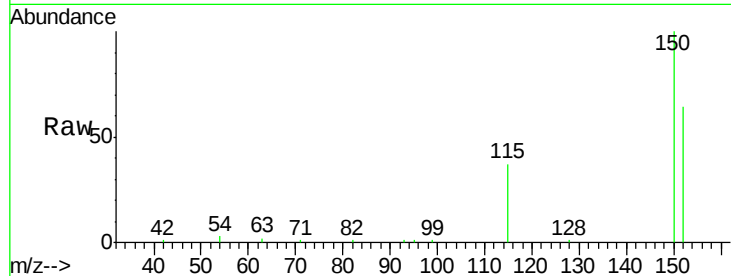
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 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.16 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: BE092392.D
 Acq: 22 Sep 2016 12:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDIC010

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.1	106.0	159.0
115	57.6	31.2	46.8

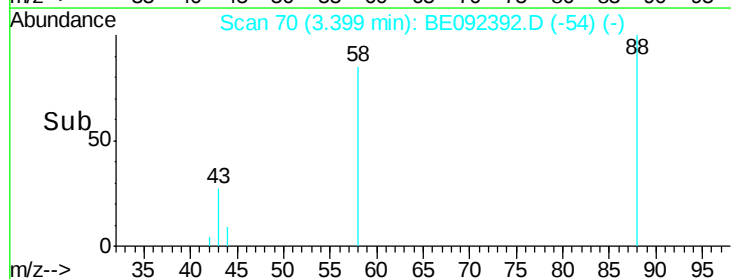
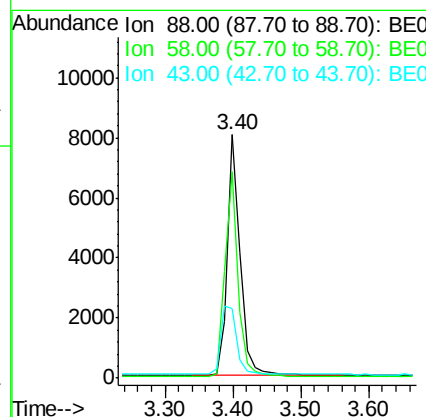
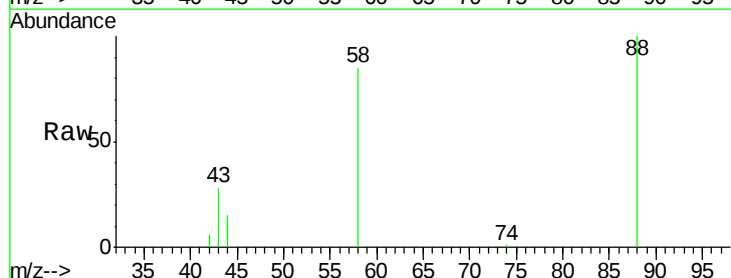
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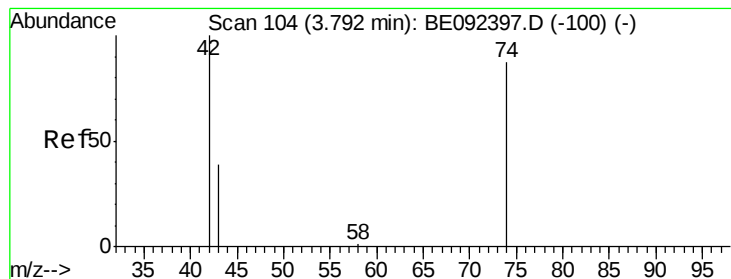
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#2
 1,4-Dioxane
 Concen: 7.42 ng
 RT: 3.40 min Scan# 70
 Delta R.T. -0.01 min
 Lab File: BE092392.D
 Acq: 22 Sep 2016 12:51

Tgt Ion	Ratio	Lower	Upper
88	100		
58	87.8	63.6	95.4
43	35.6	28.0	42.0





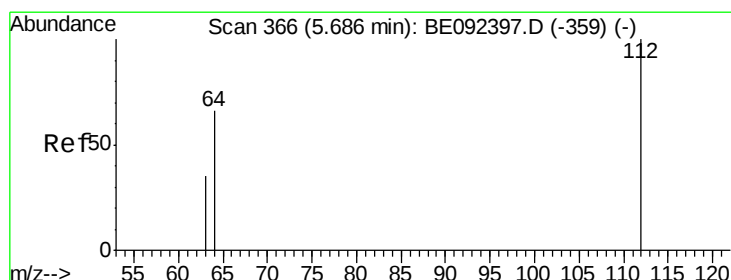
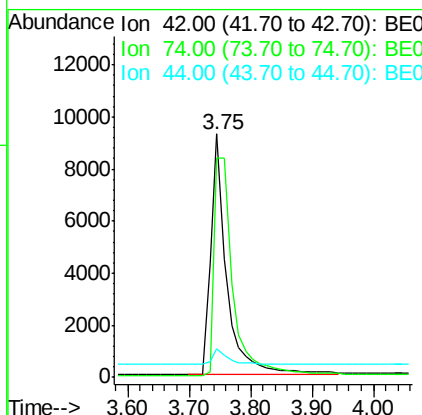
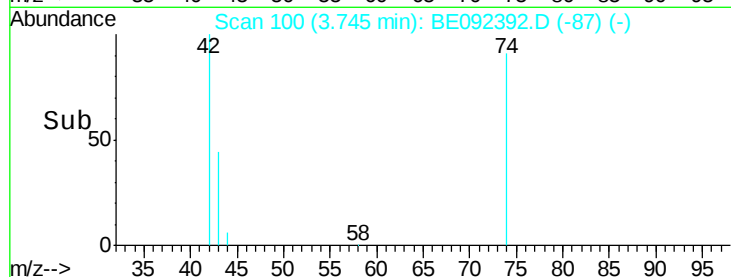
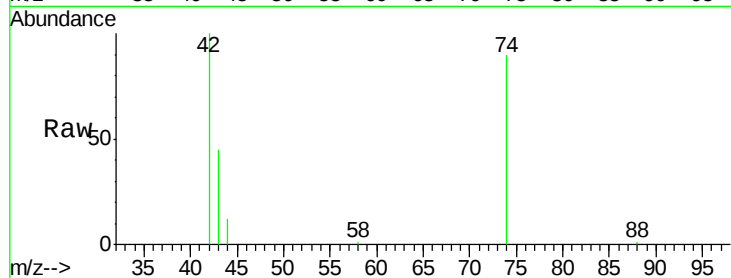
#3
n-Nitrosodimethylamine
Concen: 12.38 ng
RT: 3.75 min Scan# 100
Delta R.T. -0.05 min
Lab File: BE092392.D
Acq: 22 Sep 2016 12:51

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tgt Ion	Ratio	Lower	Upper
42	100		
74	109.2	86.0	129.0
44	6.0	5.1	7.7

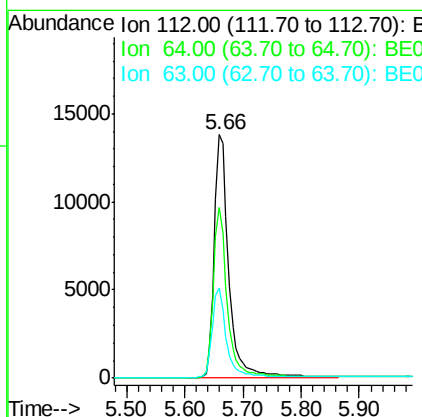
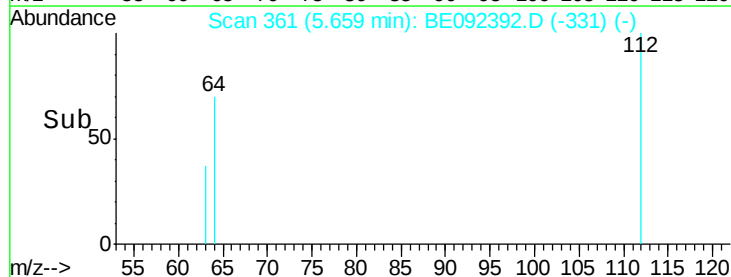
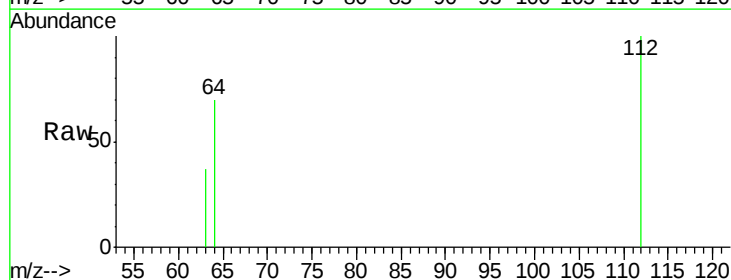
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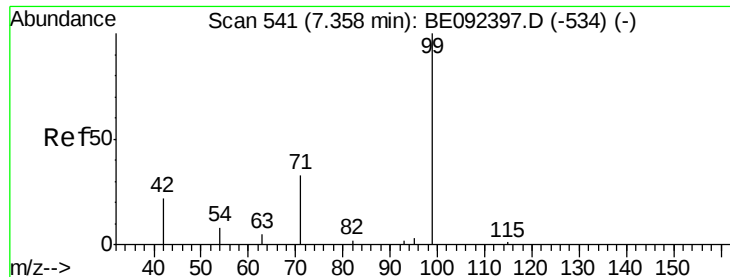
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#4
2-Fluorophenol
Concen: 10.00 ng
RT: 5.66 min Scan# 361
Delta R.T. -0.03 min
Lab File: BE092392.D
Acq: 22 Sep 2016 12:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.7	53.5	80.3
63	35.9	27.9	41.9





#5

Phenol-d6

Concen: 10.59 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092392.D

Acq: 22 Sep 2016 12:51

Instrument :

BNA_E

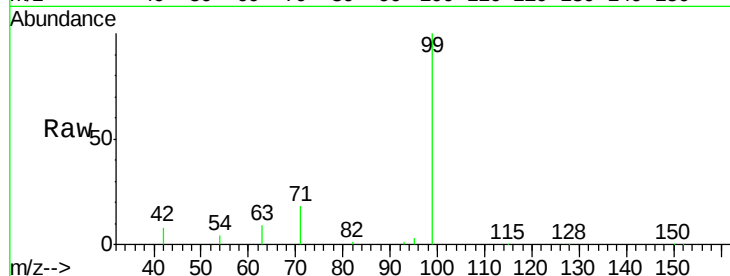
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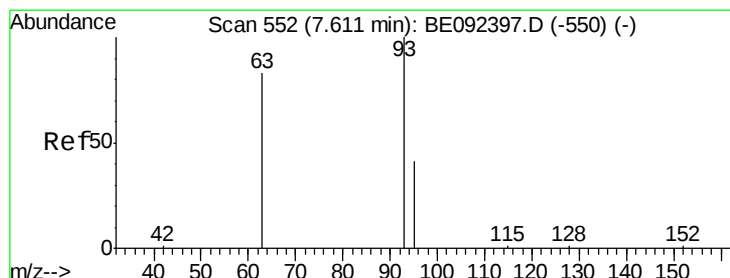
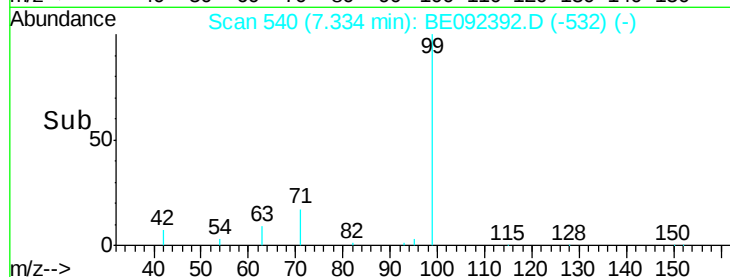
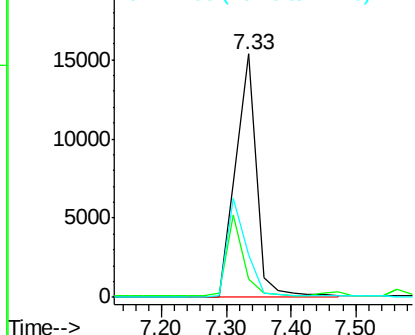
Tgt Ion:	99	Resp:	33952
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

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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: 10.44 ng

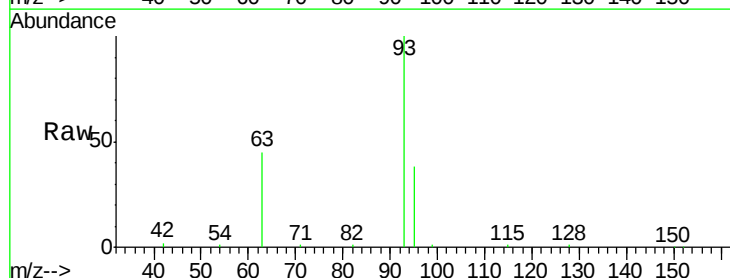
RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

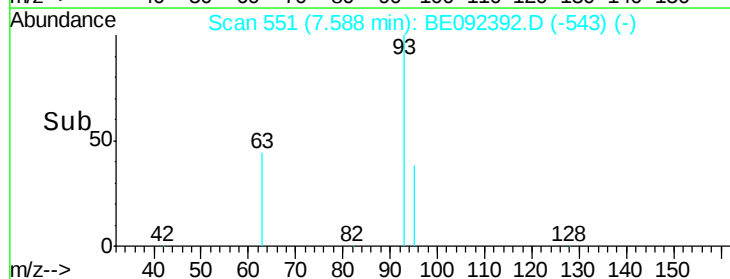
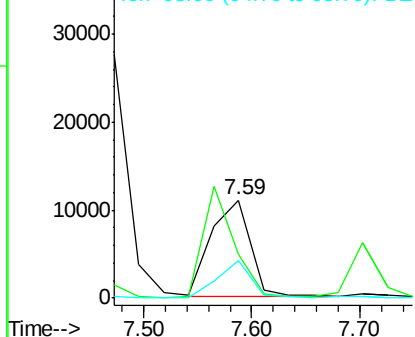
Lab File: BE092392.D

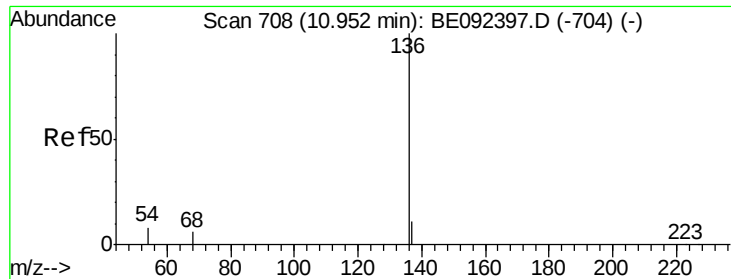
Acq: 22 Sep 2016 12:51

Tgt Ion:	93	Resp:	27189
Ion Ratio	Lower	Upper	
93	100		
63	0.0	71.6	107.4#
95	33.1	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: BE092392.D

Acq: 22 Sep 2016 12:51

Instrument :

BNA_E

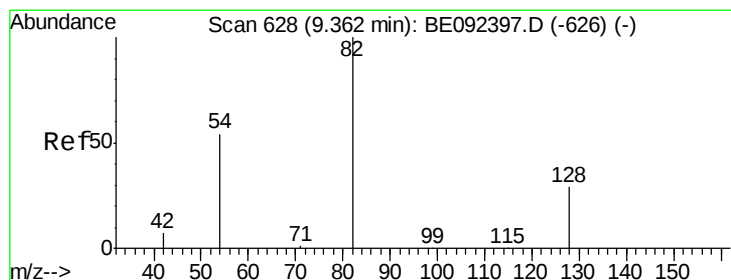
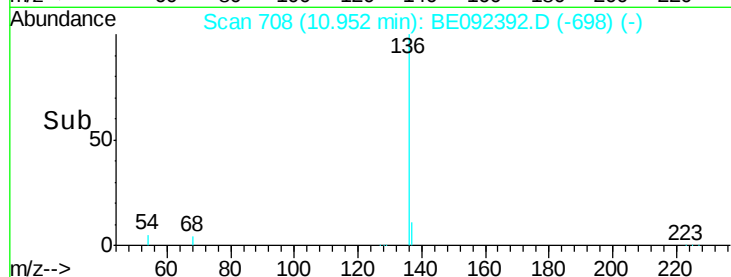
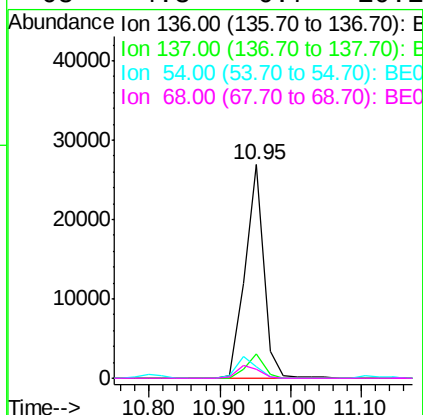
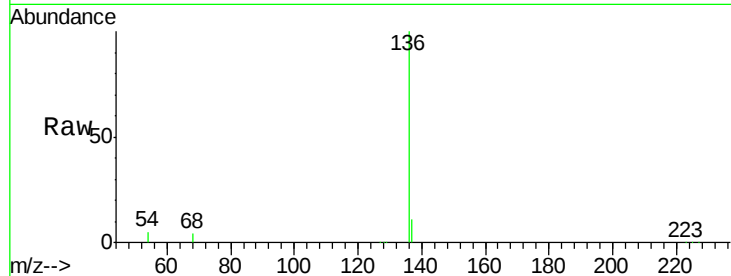
ClientSampleId :

SSTDICC010

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	49220		
137	11.5	8.2	12.4	
54	5.4	9.6	14.4	
68	4.3	6.7	10.1	

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#8

Nitrobenzene-d5

Concen: 10.30 ng

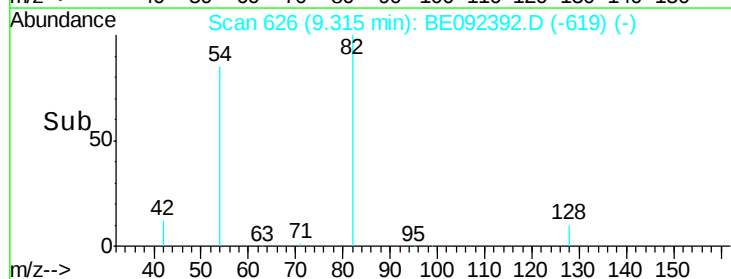
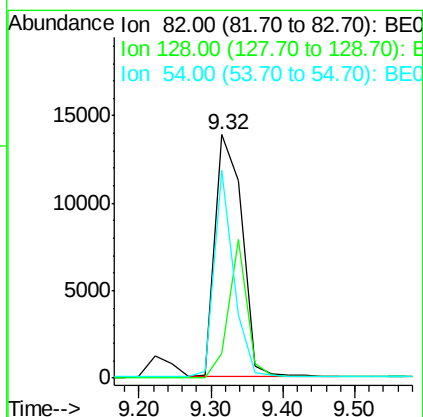
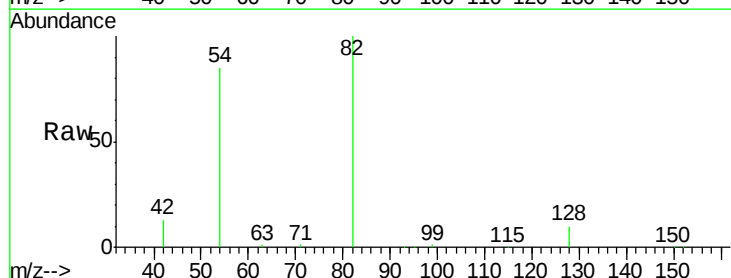
RT: 9.32 min Scan# 626

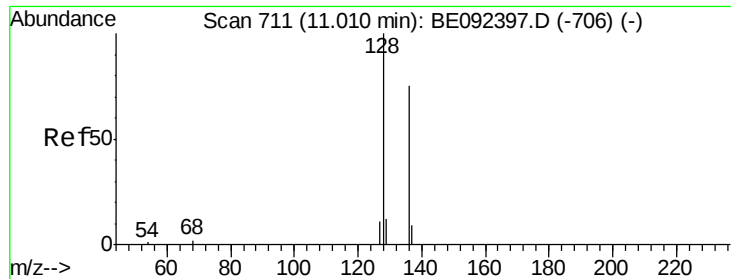
Delta R.T. -0.05 min

Lab File: BE092392.D

Acq: 22 Sep 2016 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	36412		
128	10.1	39.0	58.4	
54	85.4	44.8	67.2	





#9

Naphthalene

Concen: 9.24 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092392.D

Acq: 22 Sep 2016 12:51

Instrument :

BNA_E

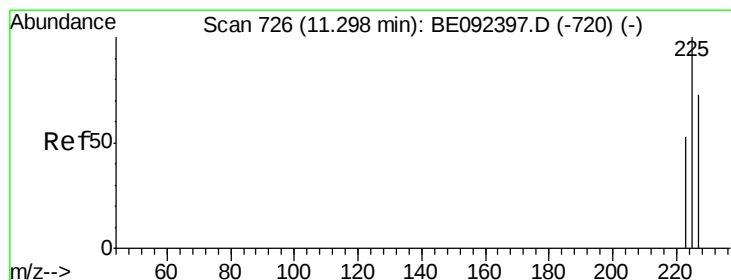
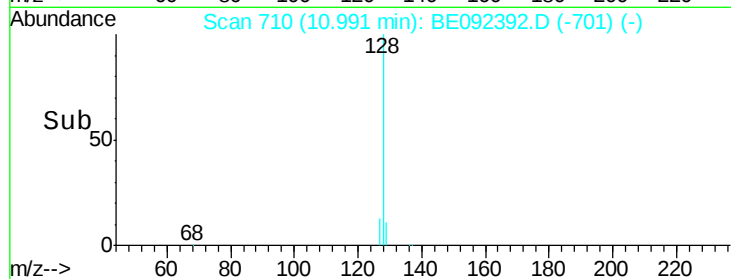
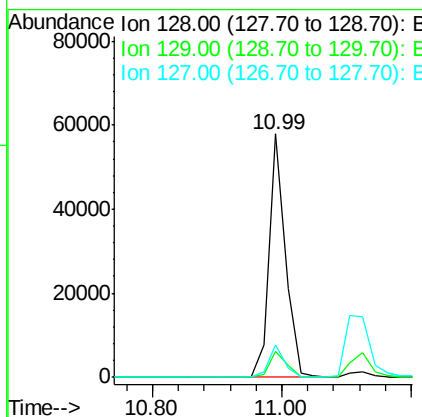
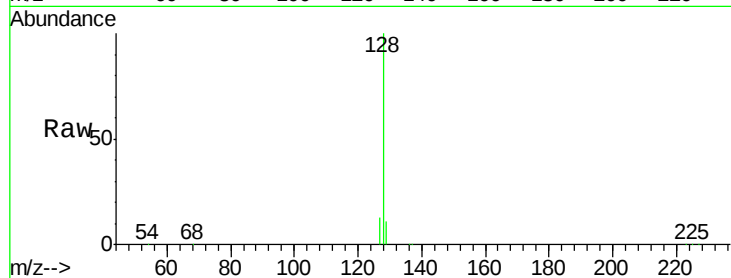
ClientSampleId :

SSTDIC010

Tgt Ion:	128	Resp:	101883
Ion Ratio		Lower	Upper
128	100		
129	10.7	11.2	16.8#
127	13.5	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 9.06 ng

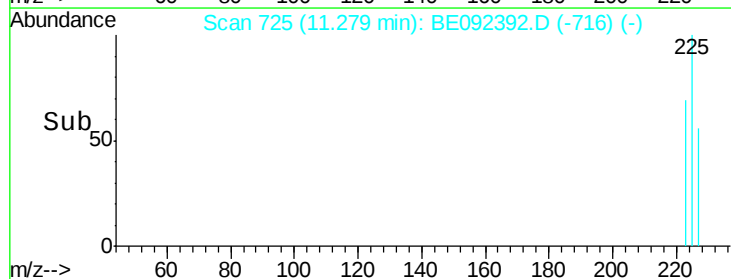
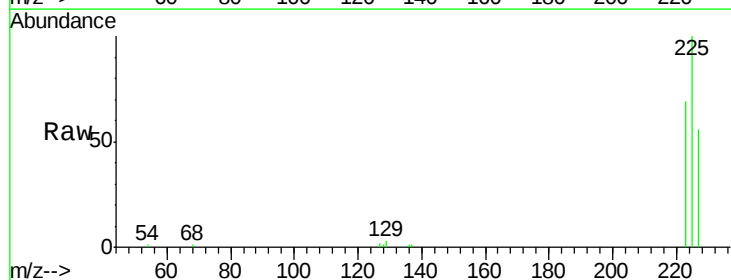
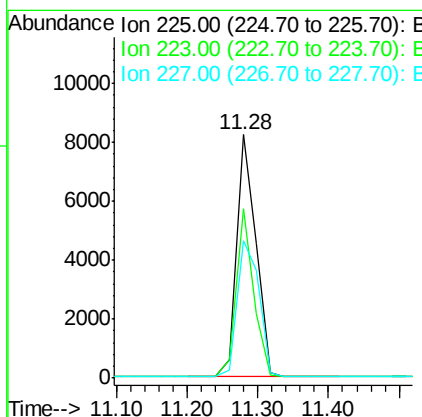
RT: 11.28 min Scan# 725

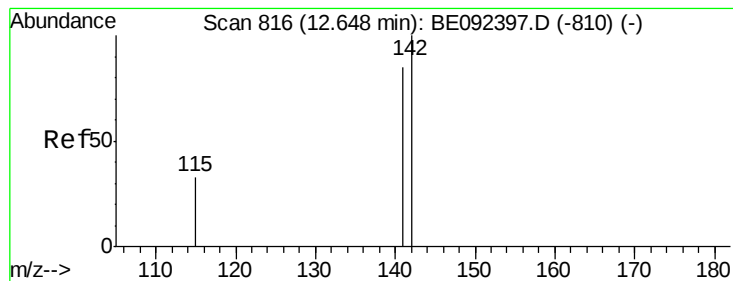
Delta R.T. -0.02 min

Lab File: BE092392.D

Acq: 22 Sep 2016 12:51

Tgt Ion:	225	Resp:	15574
Ion Ratio		Lower	Upper
225	100		
223	62.9	50.6	76.0
227	63.7	51.4	77.0





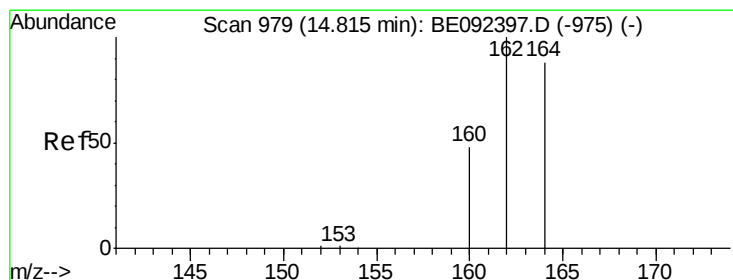
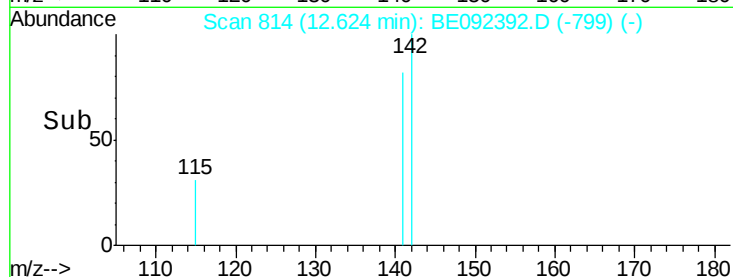
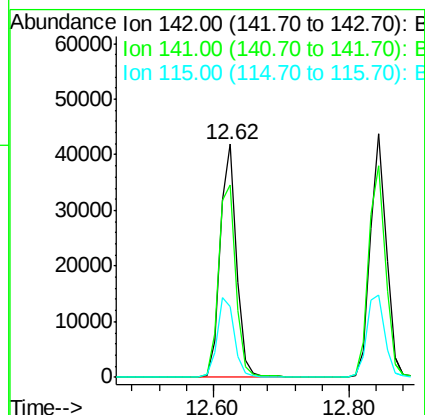
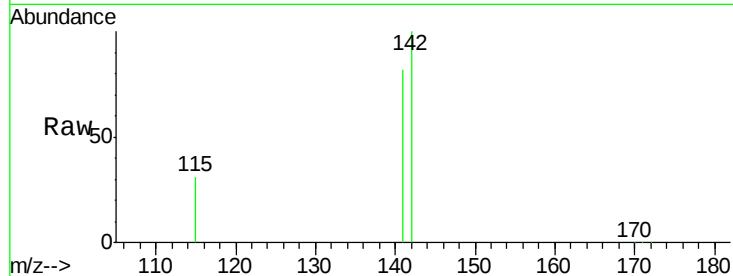
#11
2-Methylnaphthalene
Concen: 9.81 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092392.D
Acq: 22 Sep 2016 12:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.3	73.7	110.5
115	30.6	34.0	51.0#

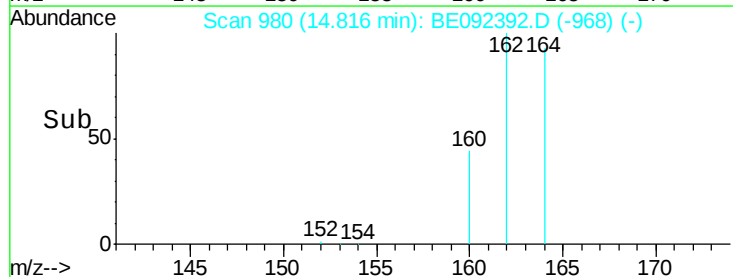
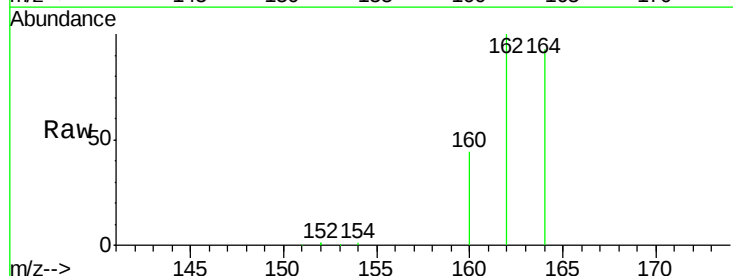
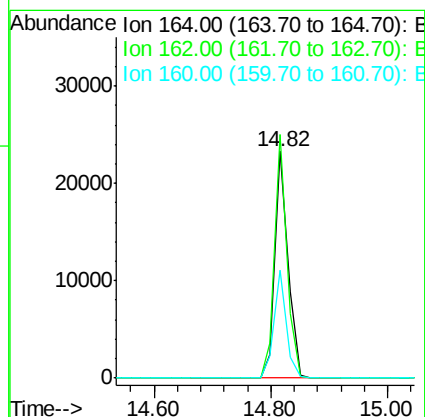
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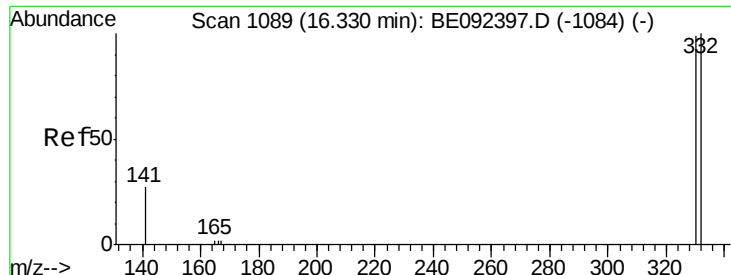
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092392.D
Acq: 22 Sep 2016 12:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.4	71.4	107.0#
160	47.6	27.4	41.2#





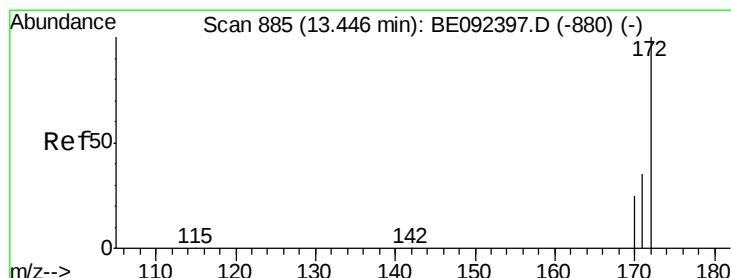
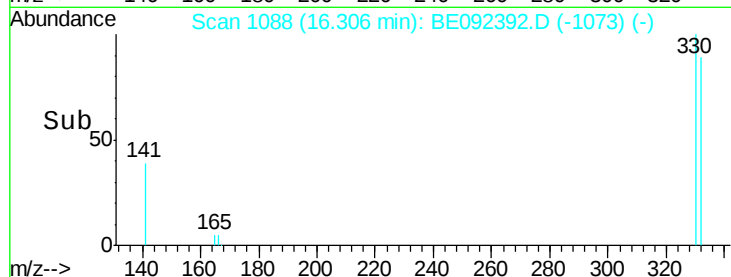
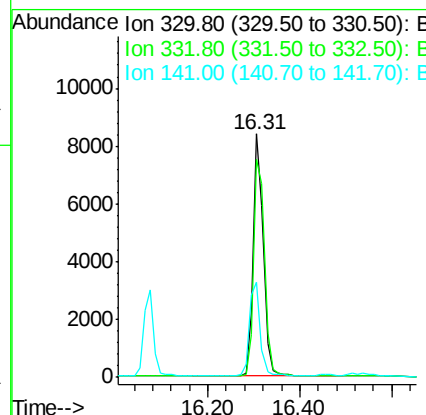
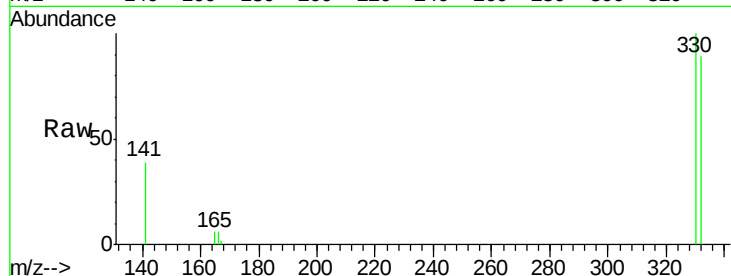
#13
 2,4,6-Tribromophenol
 Concen: 11.59 ng
 RT: 16.31 min Scan# 1088
 Delta R.T. -0.02 min
 Lab File: BE092392.D
 Acq: 22 Sep 2016 12:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	75.4	113.0
141	41.9	31.0	46.6

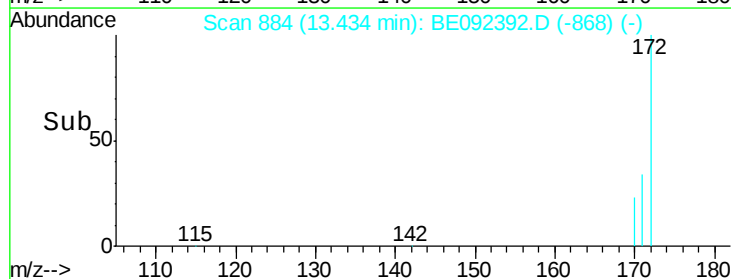
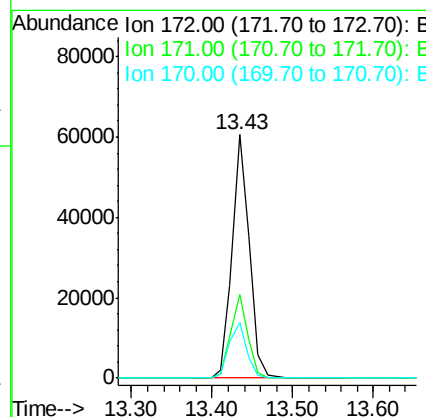
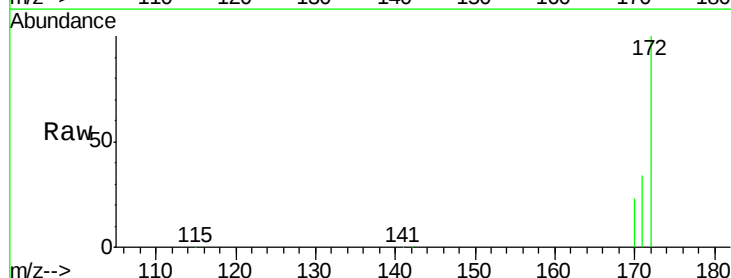
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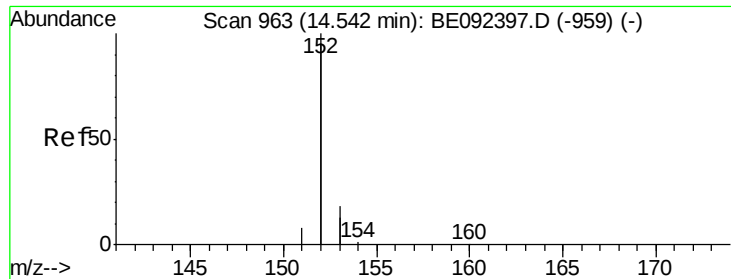
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#14
 2-Fluorobiphenyl
 Concen: 8.18 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092392.D
 Acq: 22 Sep 2016 12:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	30.1	45.1
170	22.8	21.8	32.6





#15

Acenaphthylene

Concen: 8.57 ng

RT: 14.53 min Scan# 963

Delta R.T. -0.02 min

Lab File: BE092392.D

Acq: 22 Sep 2016 12:51

Instrument :

BNA_E

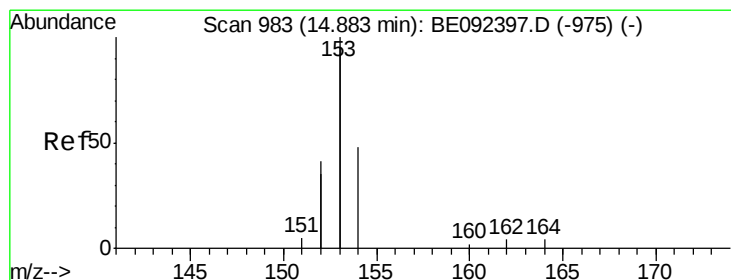
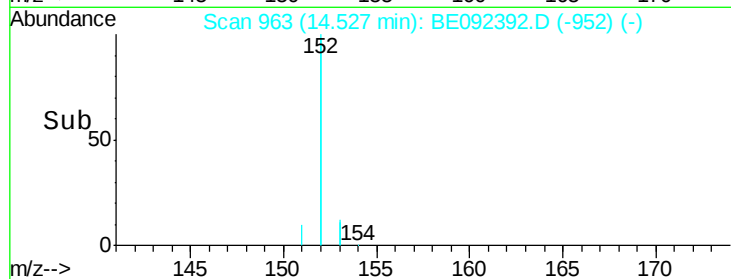
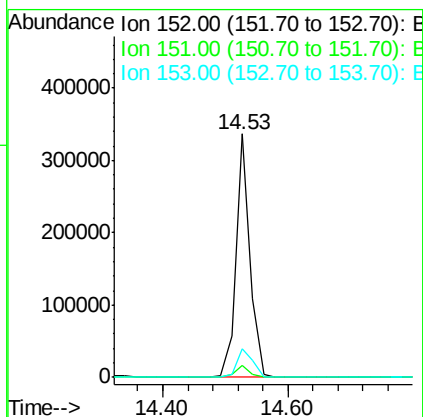
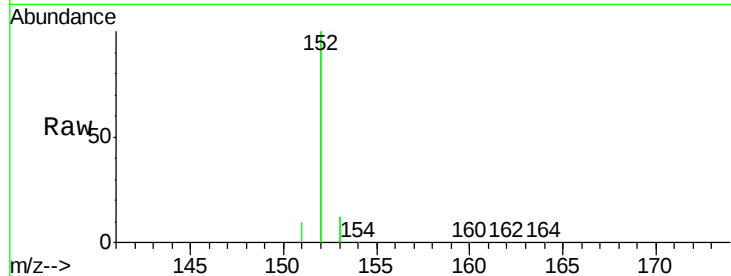
ClientSampleId :

SSTDICC010

Tgt Ion:	152	Resp:	522565
Ion Ratio		Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.2	10.4	15.6

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#16

Acenaphthene

Concen: 7.70 ng

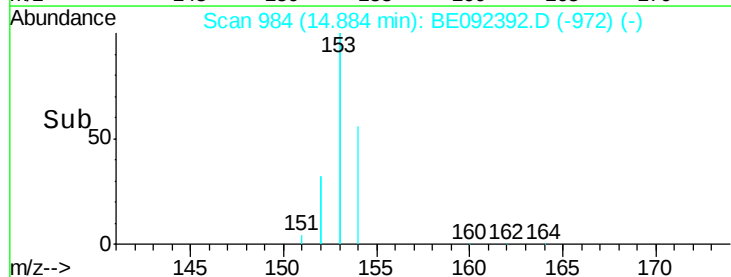
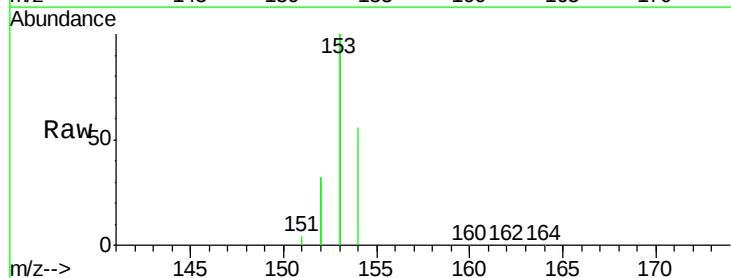
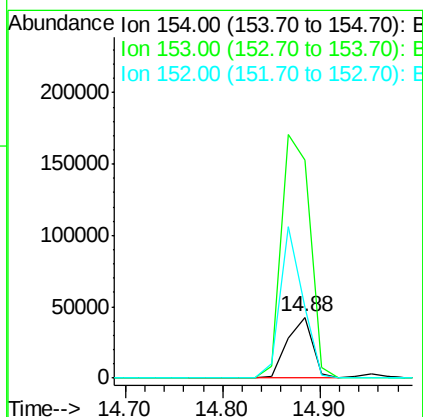
RT: 14.88 min Scan# 984

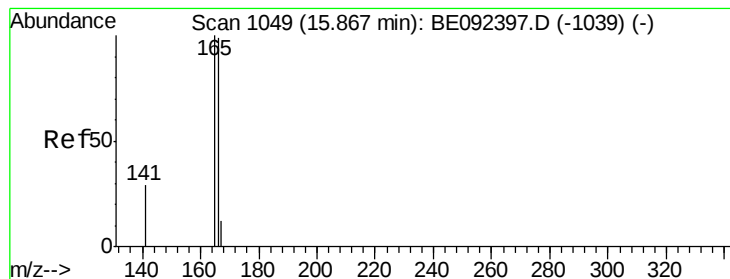
Delta R.T. 0.00 min

Lab File: BE092392.D

Acq: 22 Sep 2016 12:51

Tgt Ion:	154	Resp:	76025
Ion Ratio		Lower	Upper
154	100		
153	456.6	350.8	526.2
152	224.9	171.1	256.7





#17

Fluorene

Concen: 8.10 ng

RT: 15.87 min Scan# 1050

Delta R.T. -0.00 min

Lab File: BE092392.D

Acq: 22 Sep 2016 12:51

Instrument :

BNA_E

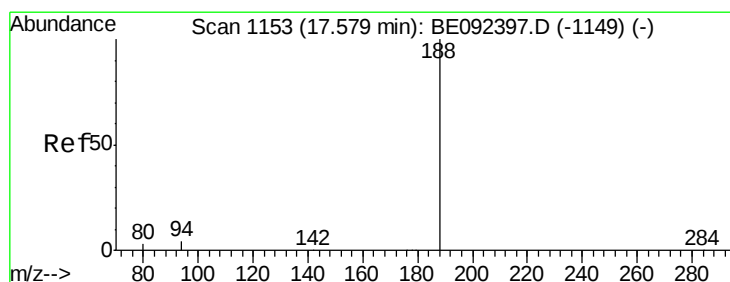
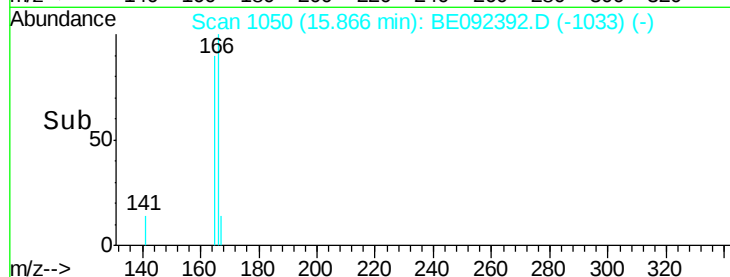
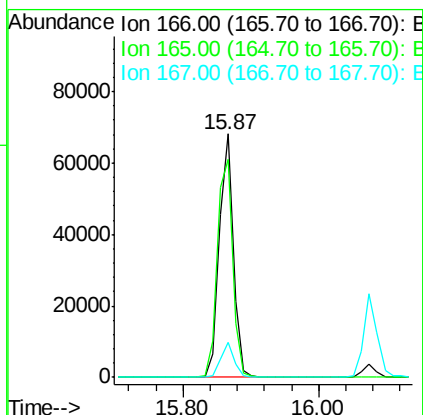
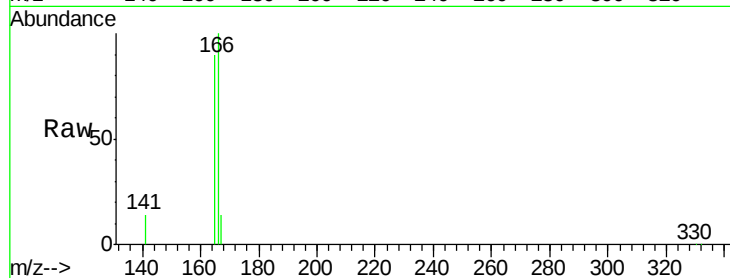
ClientSampleId :

SSTDICC010

Tgt Ion:	166	Resp:	100334
Ion Ratio	Lower	Upper	
166	100		
165	97.8	78.2	117.4
167	13.5	11.0	16.4

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#18

Phenanthrene-d10

Concen: 5.00 ng

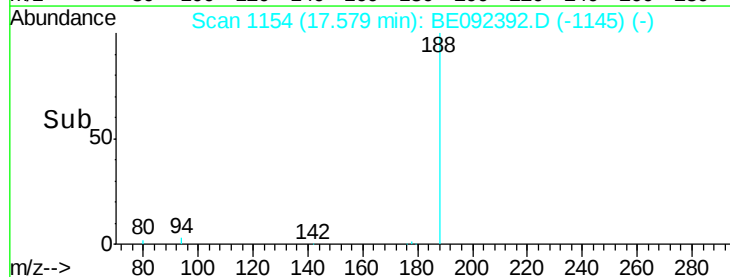
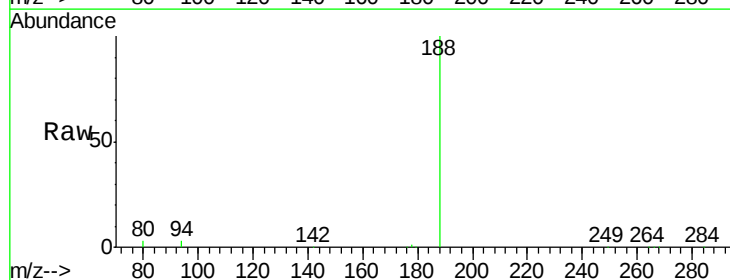
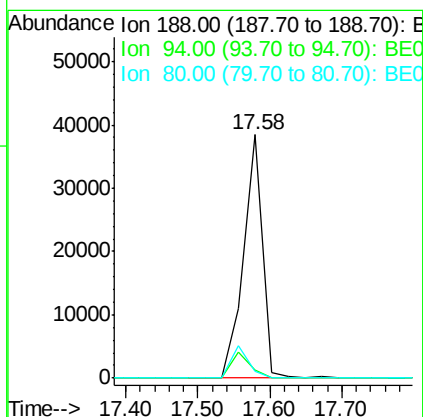
RT: 17.58 min Scan# 1154

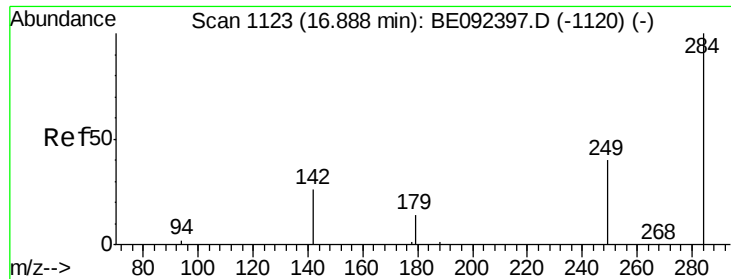
Delta R.T. 0.00 min

Lab File: BE092392.D

Acq: 22 Sep 2016 12:51

Tgt Ion:	188	Resp:	70301
Ion Ratio	Lower	Upper	
188	100		
94	3.4	3.2	4.8
80	2.7	2.6	3.8





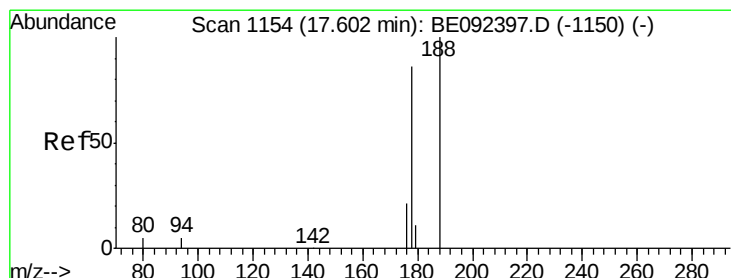
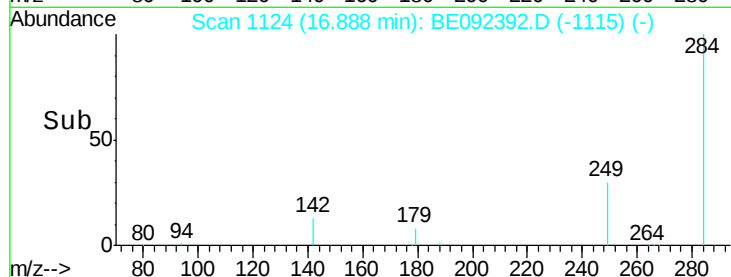
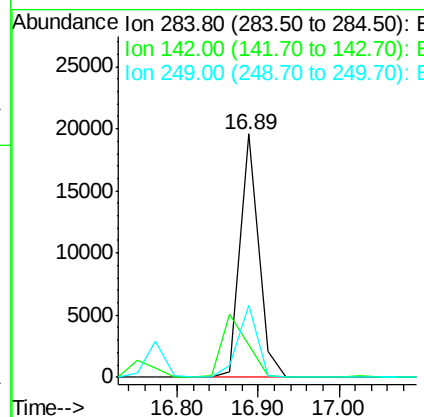
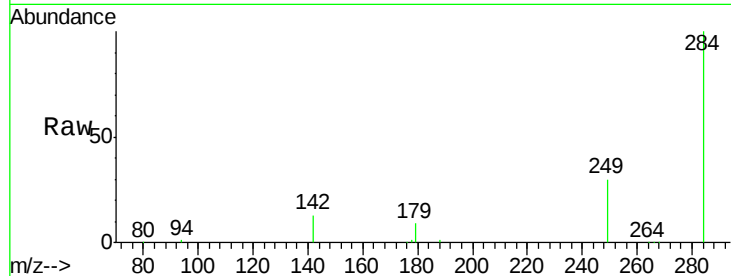
#19
Hexachlorobenzene
Concen: 9.06 ng
RT: 16.89 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE092392.D
Acq: 22 Sep 2016 12:51

Instrument :
BNA_E
ClientSampled :
SSTDICC010

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	0.0	29.1	43.7#
249	30.6	27.9	41.9

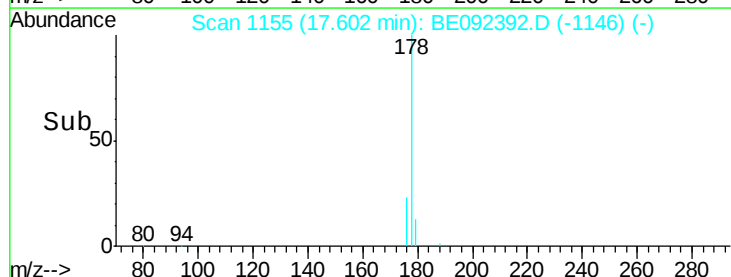
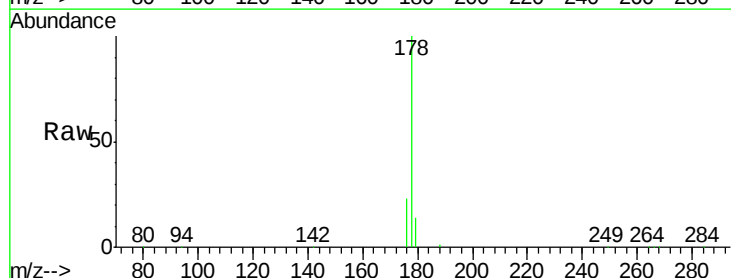
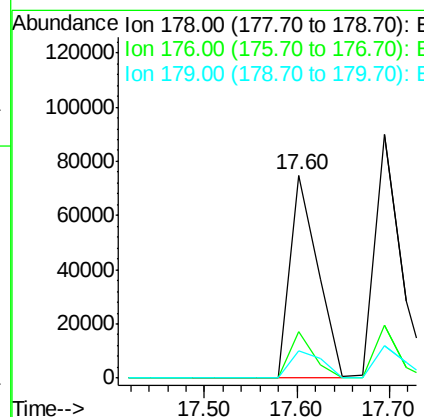
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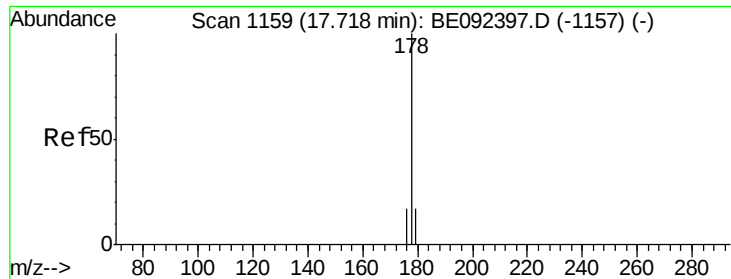
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#21
Phenanthrene
Concen: 7.87 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092392.D
Acq: 22 Sep 2016 12:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	15.8	23.8
179	15.6	16.0	24.0#





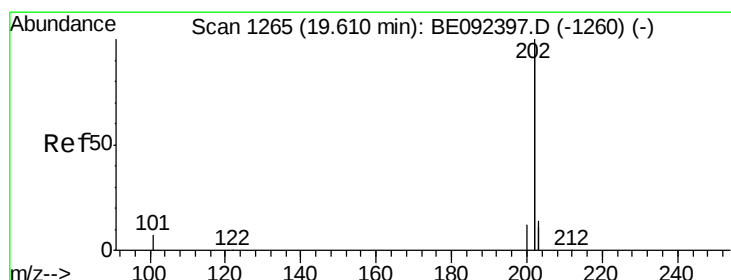
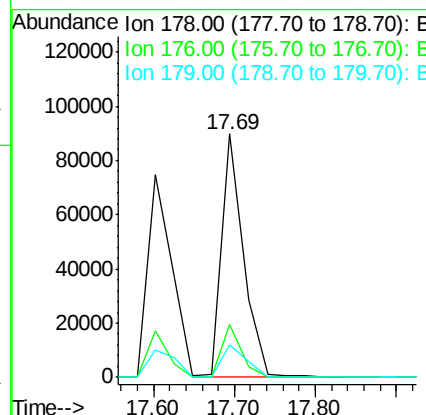
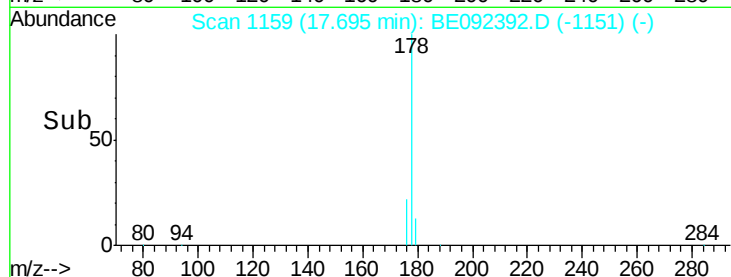
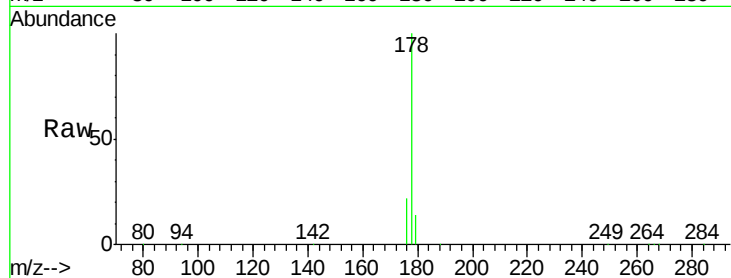
#22
 Anthracene
 Concen: 9.49 ng
 RT: 17.69 min Scan# 1159
 Delta R.T. -0.02 min
 Lab File: BE092392.D
 Acq: 22 Sep 2016 12:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.0	22.4
179	15.0	12.2	18.2

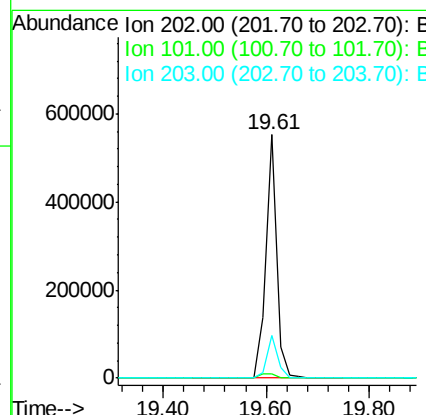
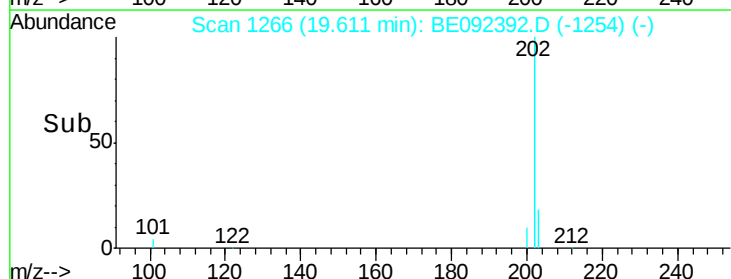
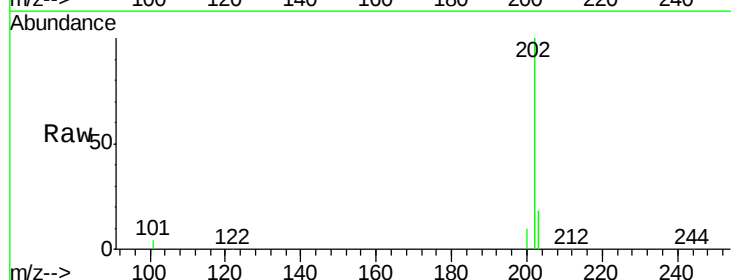
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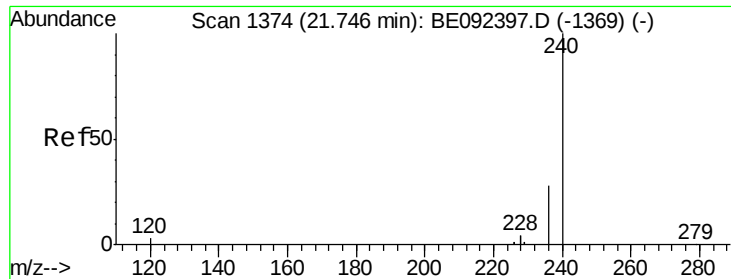
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#23
 Fluoranthene
 Concen: 9.15 ng
 RT: 19.61 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: BE092392.D
 Acq: 22 Sep 2016 12:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.4	13.7	20.5





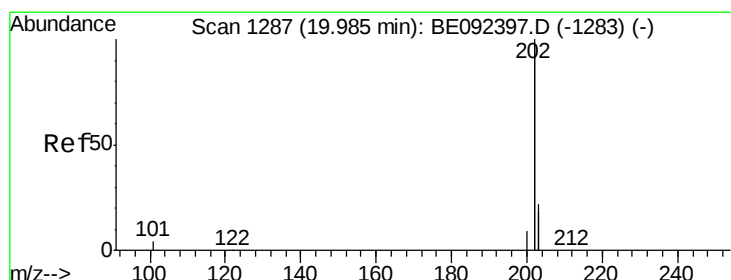
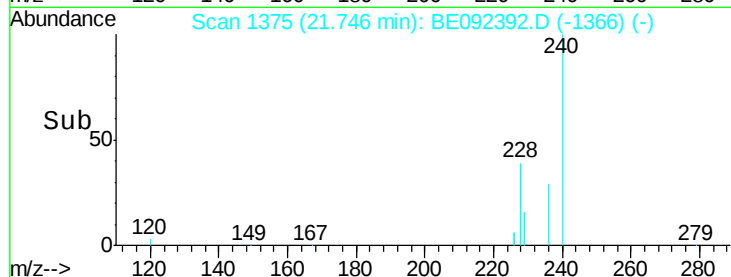
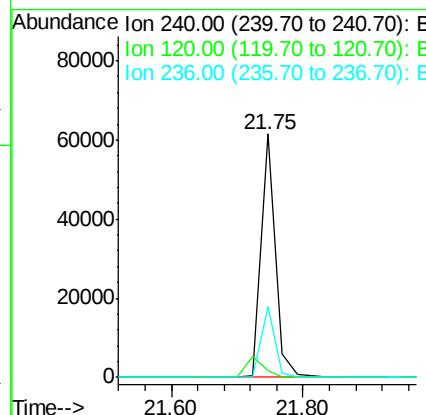
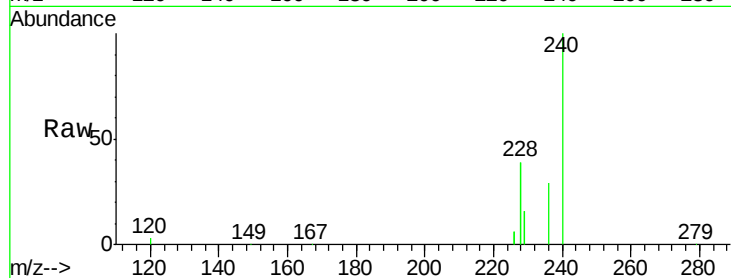
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092392.D
Acq: 22 Sep 2016 12:51

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tgt Ion	Ratio	Lower	Upper
240	100		
120	2.7	2.6	4.0
236	29.3	24.6	37.0

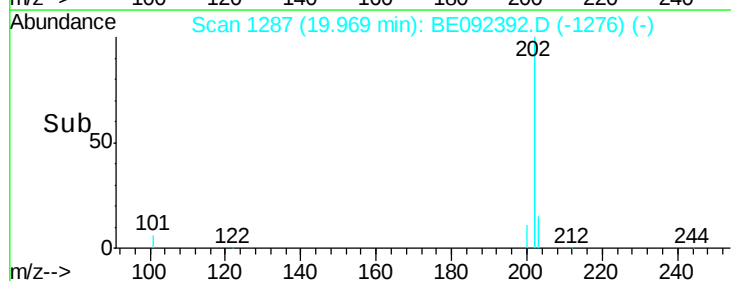
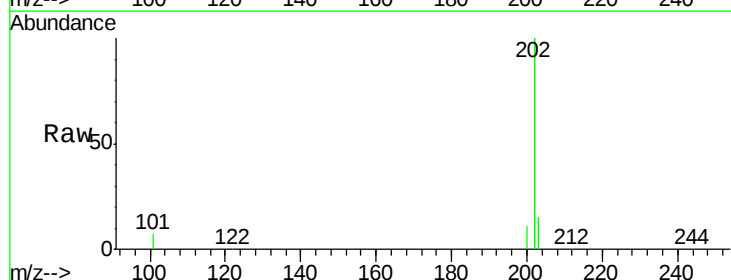
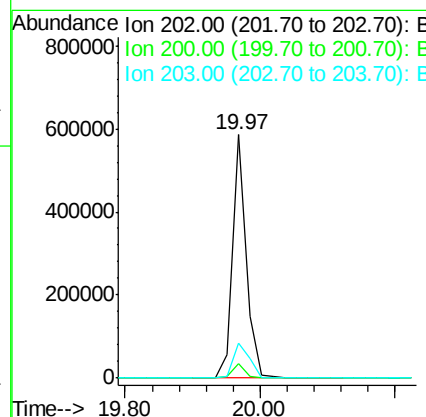
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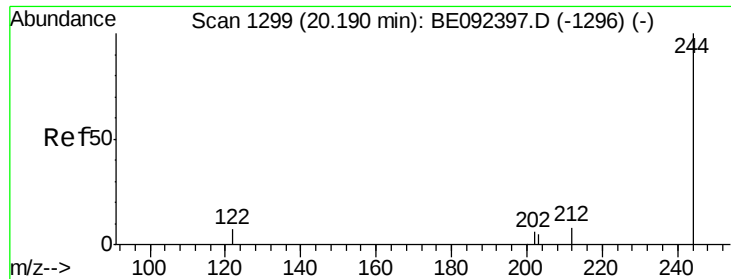
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#25
Pyrene
Concen: 9.02 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BE092392.D
Acq: 22 Sep 2016 12:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.5	4.2	6.4
203	17.4	13.9	20.9





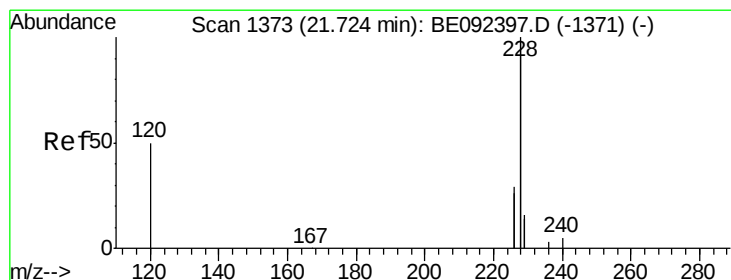
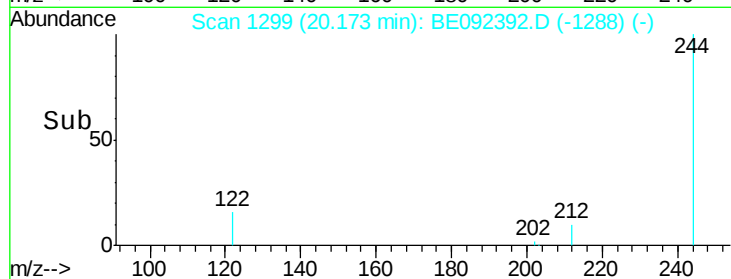
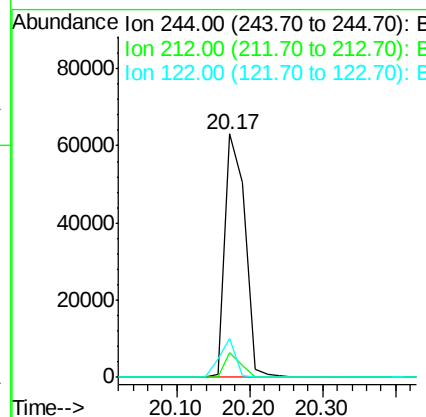
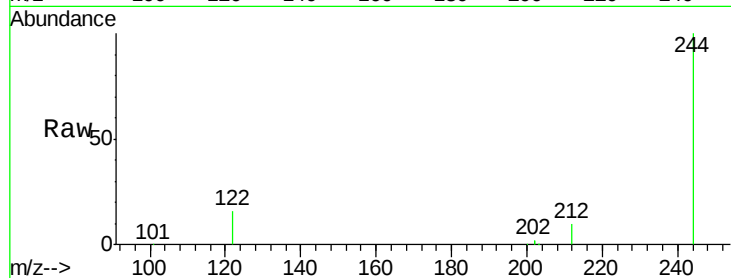
#26
 Terphenyl-d14
 Concen: 8.70 ng
 RT: 20.17 min Scan# 1299
 Delta R.T. -0.02 min
 Lab File: BE092392.D
 Acq: 22 Sep 2016 12:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	120504		
212	9.9	6.7	10.1	
122	16.2	3.6	5.4	

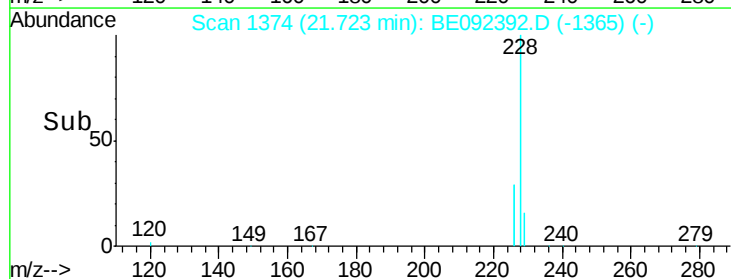
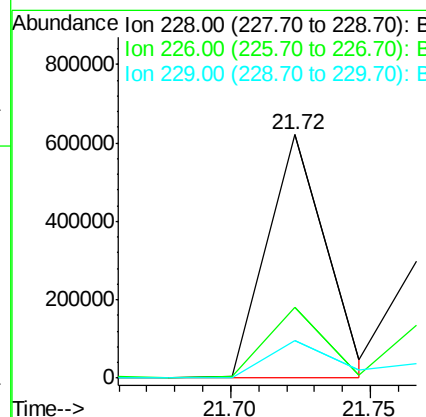
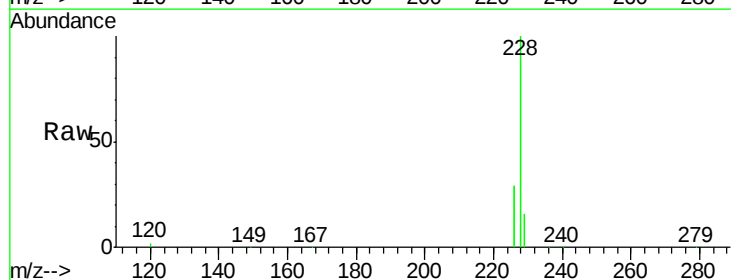
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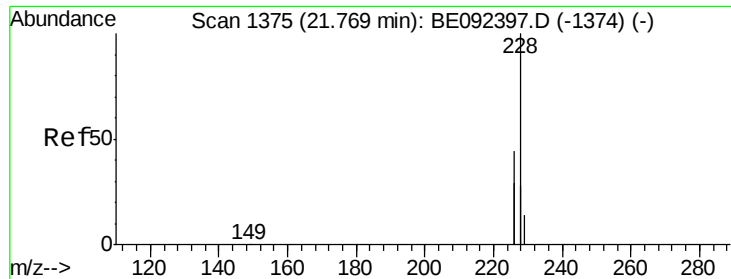
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#27
 Benzo(a)anthracene
 Concen: 9.07 ng m
 RT: 21.72 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: BE092392.D
 Acq: 22 Sep 2016 12:51

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	916731		
226	29.1	23.6	35.4	
229	15.7	13.3	19.9	





#28

Chrysene

Concen: 7.18 ng m

RT: 21.77 min Scan# 1376

Delta R.T. -0.00 min

Lab File: BE092392.D

Acq: 22 Sep 2016 12:51

Instrument :

BNA_E

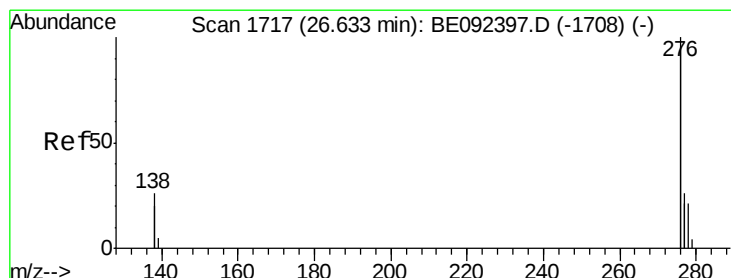
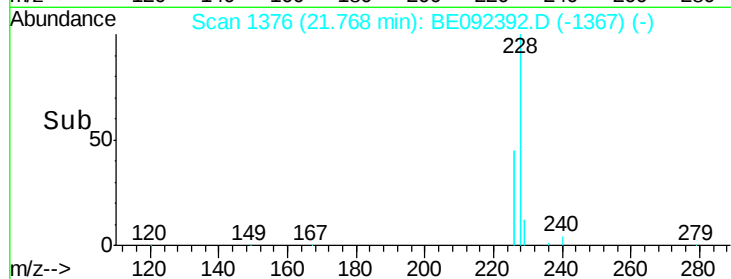
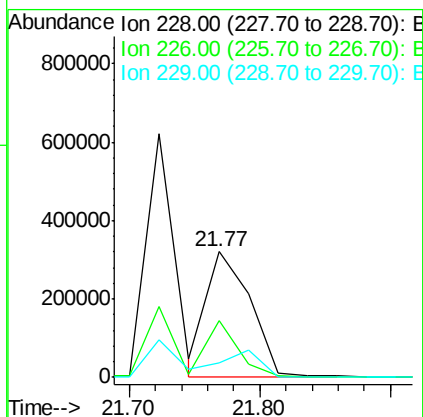
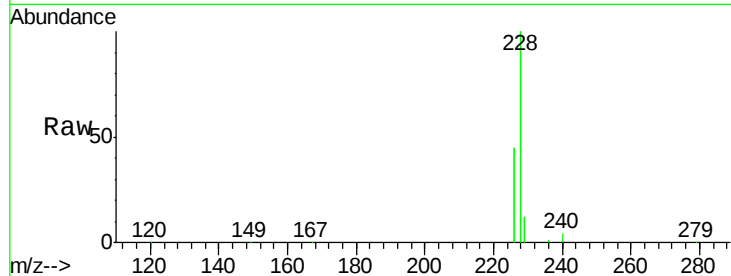
ClientSampleId :

SSTDIC010

Tgt Ion:	228	Resp:	749377
Ion Ratio	Lower	Upper	
228	100		
226	45.0	36.3	54.5
229	11.7	10.6	16.0

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#30

Indeno(1,2,3-cd)pyrene

Concen: 8.54 ng

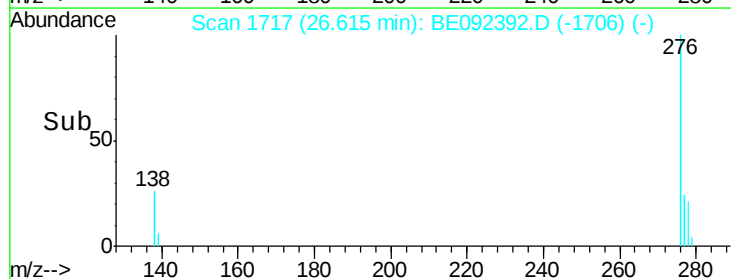
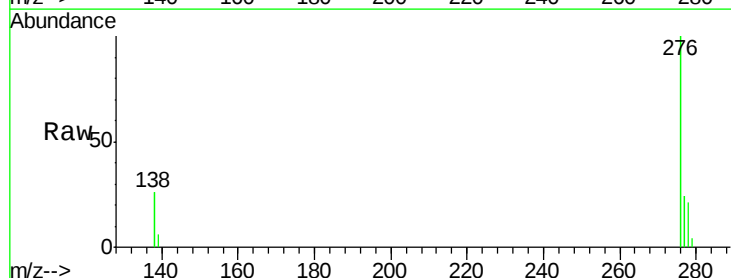
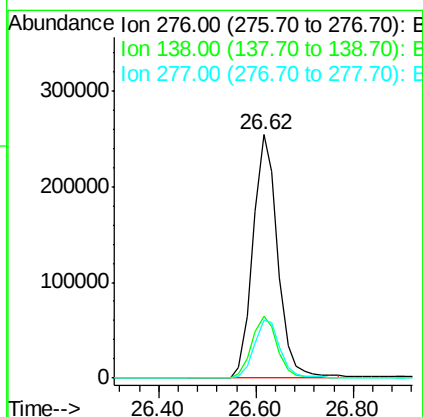
RT: 26.62 min Scan# 1717

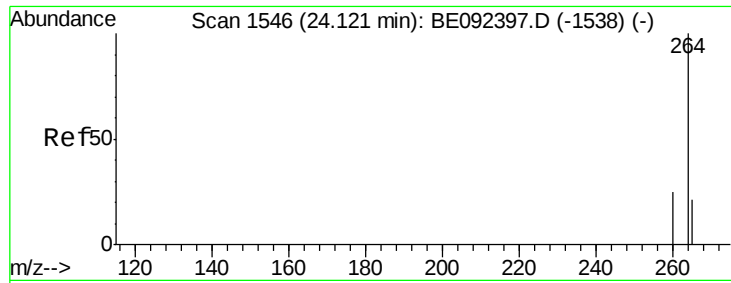
Delta R.T. -0.02 min

Lab File: BE092392.D

Acq: 22 Sep 2016 12:51

Tgt Ion:	276	Resp:	909711
Ion Ratio	Lower	Upper	
276	100		
138	26.1	20.3	30.5
277	24.9	19.7	29.5





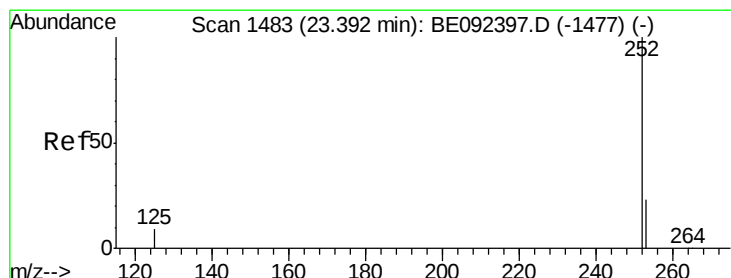
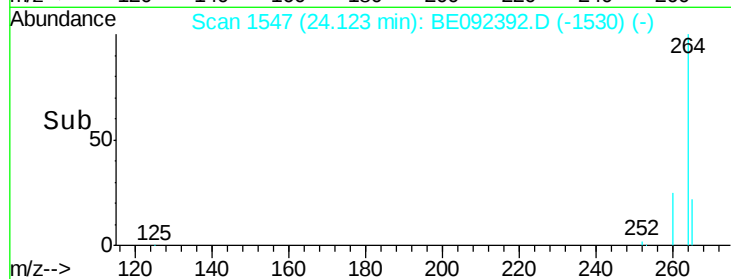
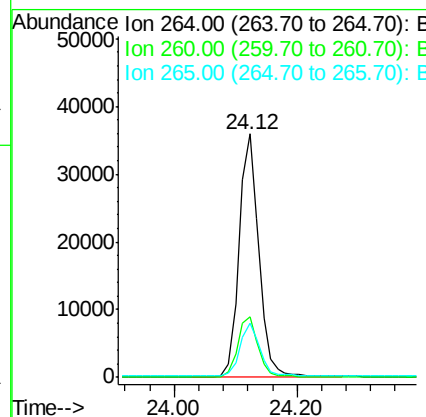
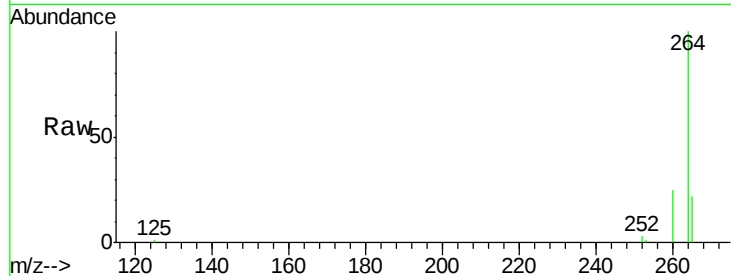
#31
Perylene-d12
 Concen: 5.00 ng
 RT: 24.12 min Scan# 1547
 Delta R.T. 0.00 min
 Lab File: BE092392.D
 Acq: 22 Sep 2016 12:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.7	20.1	30.1
265	22.4	17.9	26.9

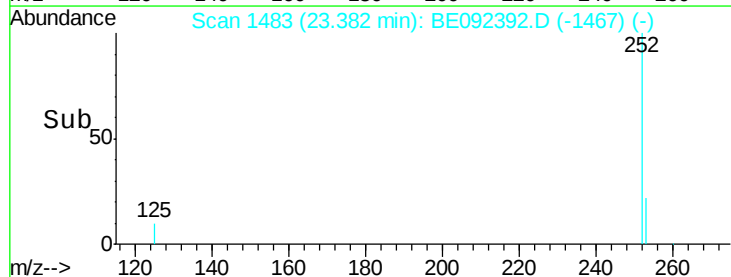
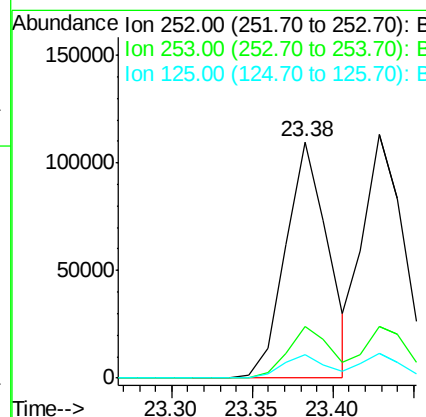
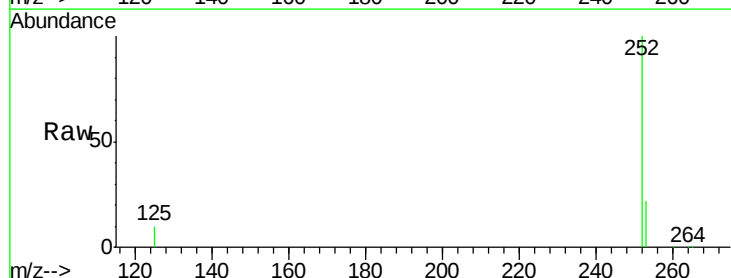
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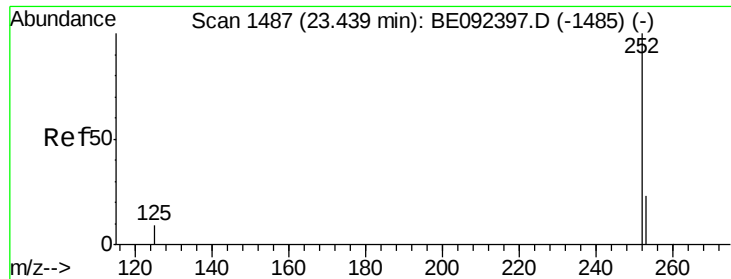
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#32
Benzo(b)fluoranthene
 Concen: 9.68 ng
 RT: 23.38 min Scan# 1483
 Delta R.T. -0.01 min
 Lab File: BE092392.D
 Acq: 22 Sep 2016 12:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.7	18.7	28.1
125	10.2	10.5	15.7#





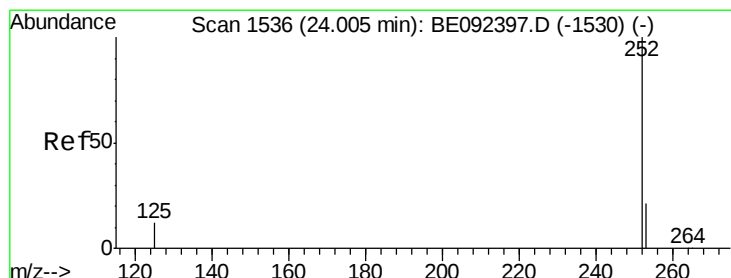
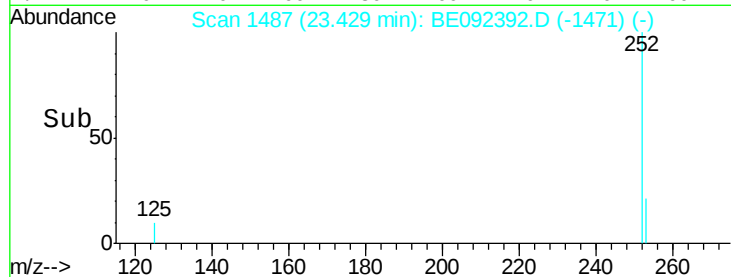
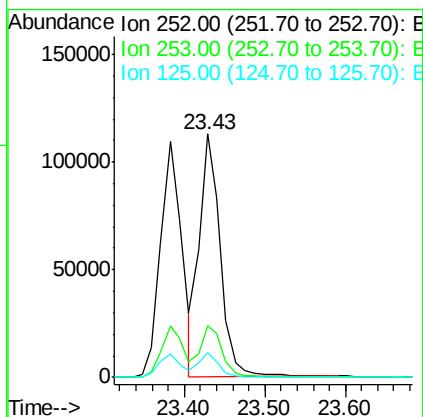
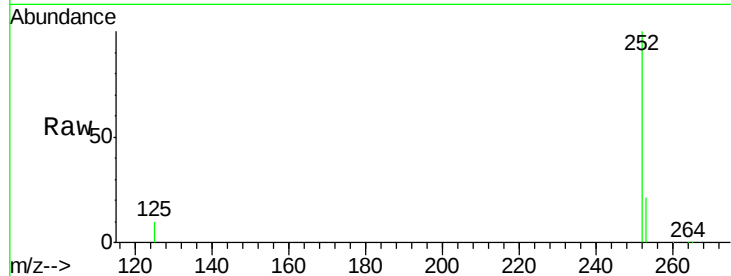
#33
Benzo(k)fluoranthene
Concen: 9.35 ng
RT: 23.43 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE092392.D
Acq: 22 Sep 2016 12:51

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.0	20.3	30.5
125	10.3	9.6	14.4

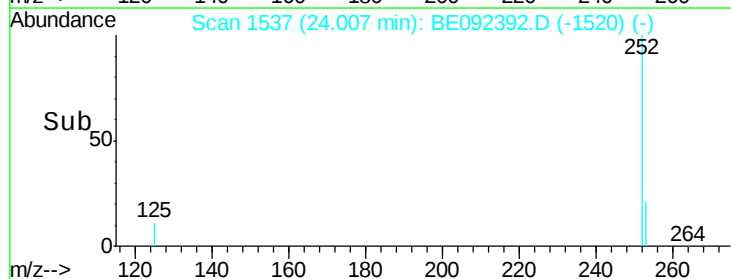
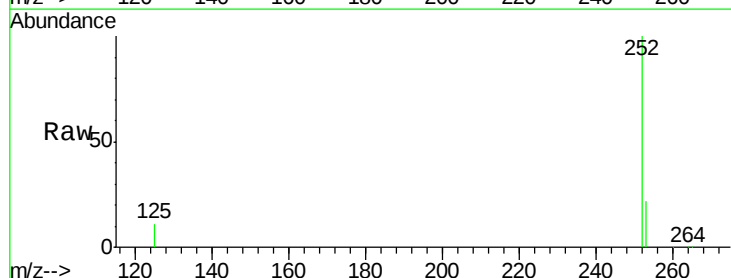
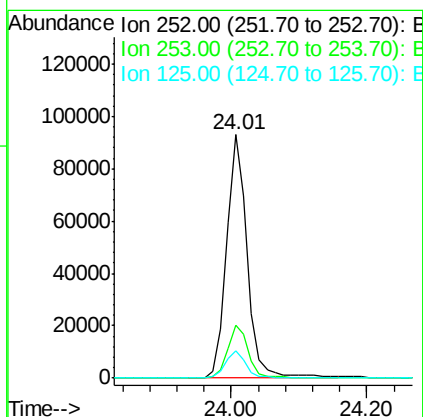
Manual Integrations
APPROVED

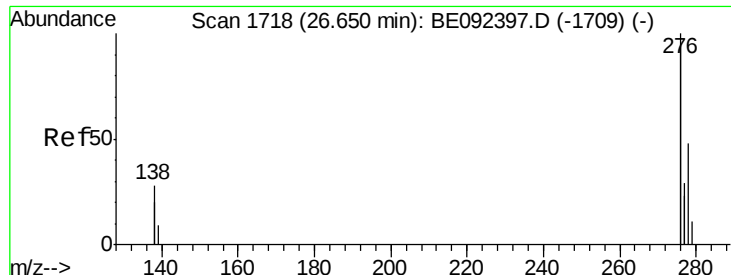
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#34
Benzo(a)pyrene
Concen: 9.63 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BE092392.D
Acq: 22 Sep 2016 12:51

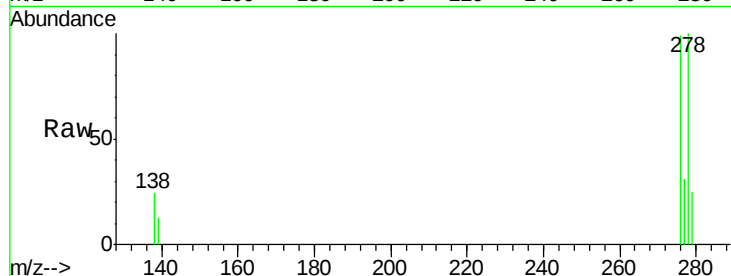
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	19.0	28.6
125	11.1	11.8	17.8





#35
Dibenzo(a,h)anthracene
Concen: 9.81 ng
RT: 26.65 min Scan# 1719
Delta R.T. -0.00 min
Lab File: BE092392.D
Acq: 22 Sep 2016 12:51

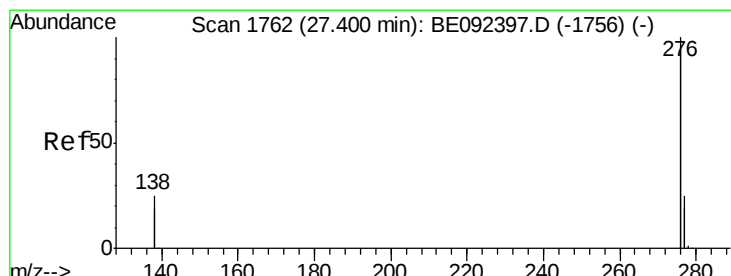
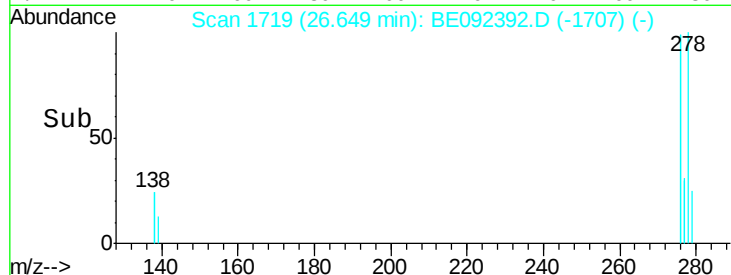
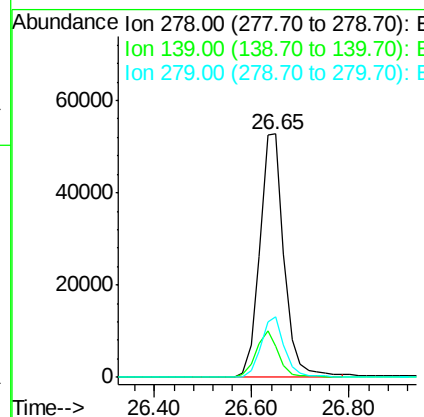
Instrument :
BNA_E
ClientSampleId :
SSTDIC010



Tgt Ion: 278 Resp: 185604
Ion Ratio Lower Upper
278 100
139 13.0 13.8 20.8#
279 24.9 21.4 32.2

Manual Integrations
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#36
Benzo(g,h,i)perylene
Concen: 9.62 ng
RT: 27.40 min Scan# 1763
Delta R.T. -0.00 min
Lab File: BE092392.D
Acq: 22 Sep 2016 12:51

Tgt Ion: 276 Resp: 767272
Ion Ratio Lower Upper
276 100
277 24.9 19.8 29.8
138 19.9 19.8 29.6

