

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102116\
 Data File : BE092464.D
 Acq On : 21 Oct 2016 11:51
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Manual Integrations
 APPROVED

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Quant Time: Oct 21 17:26:19 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	8.17	152	13698	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	67498	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	48763	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	94430	5.00	ng	0.02
24) Chrysene-d12	21.75	240	124853	5.00	ng	0.00
31) Perylene-d12	24.11	264	106702	5.00	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.68	112	940	0.40	ng	0.00
5) Phenol-d6	7.36	99	1267	0.36	ng	0.00
8) Nitrobenzene-d5	9.36	82	1483	0.44	ng	0.00
13) 2,4,6-Tribromophenol	16.32	330	415	0.40	ng	0.00
14) 2-Fluorobiphenyl	13.45	172	4878	0.42	ng	0.00
26) Terphenyl-d14	20.19	244	6328	0.41	ng	0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	3.41	88	662	0.35	ng	97
3) n-Nitrosodimethylamine	3.79	42	673	0.49	ng	91
6) bis(2-Chloroethyl)ether	7.59	93	1198	0.42	ng	97
9) Naphthalene	10.99	128	5796	0.40	ng	97
10) Hexachlorobutadiene	11.28	225	883	0.38	ng	99
11) 2-Methylnaphthalene	12.64	142	3759	0.39	ng	93
15) Acenaphthylene	14.53	152	27621	0.39	ng	100
16) Acenaphthene	14.88	154	4512	0.41	ng	96
17) Fluorene	15.87	166	5452	0.39	ng	99
19) Hexachlorobenzene	16.89	284	1776	0.44	ng	# 64
20) Pentachlorophenol	17.26	266	339	0.40	ng	97
21) Phenanthrene	17.60	178	9987	0.46	ng	# 95
22) Anthracene	17.72	178	9110m	0.44	ng	
23) Fluoranthene	19.61	202	41474	0.40	ng	100
25) Pyrene	19.97	202	48286	0.45	ng	100
27) Benzo(a)anthracene	21.72	228	51586m	0.42	ng	
28) Chrysene	21.77	228	49314m	0.44	ng	
29) Bis(2-ethylhexyl)phthalate	21.63	149	3981	0.38	ng	# 75
30) Indeno(1,2,3-cd)pyrene	26.62	276	43525	0.37	ng	98
32) Benzo(b)fluoranthene	23.38	252	10531	0.41	ng	99
33) Benzo(k)fluoranthene	23.43	252	10881	0.40	ng	96
34) Benzo(a)pyrene	24.01	252	10074	0.40	ng	98
35) Dibenzo(a,h)anthracene	26.63	278	8847	0.38	ng	95
36) Benzo(g,h,i)perylene	27.38	276	37799	0.38	ng	99

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

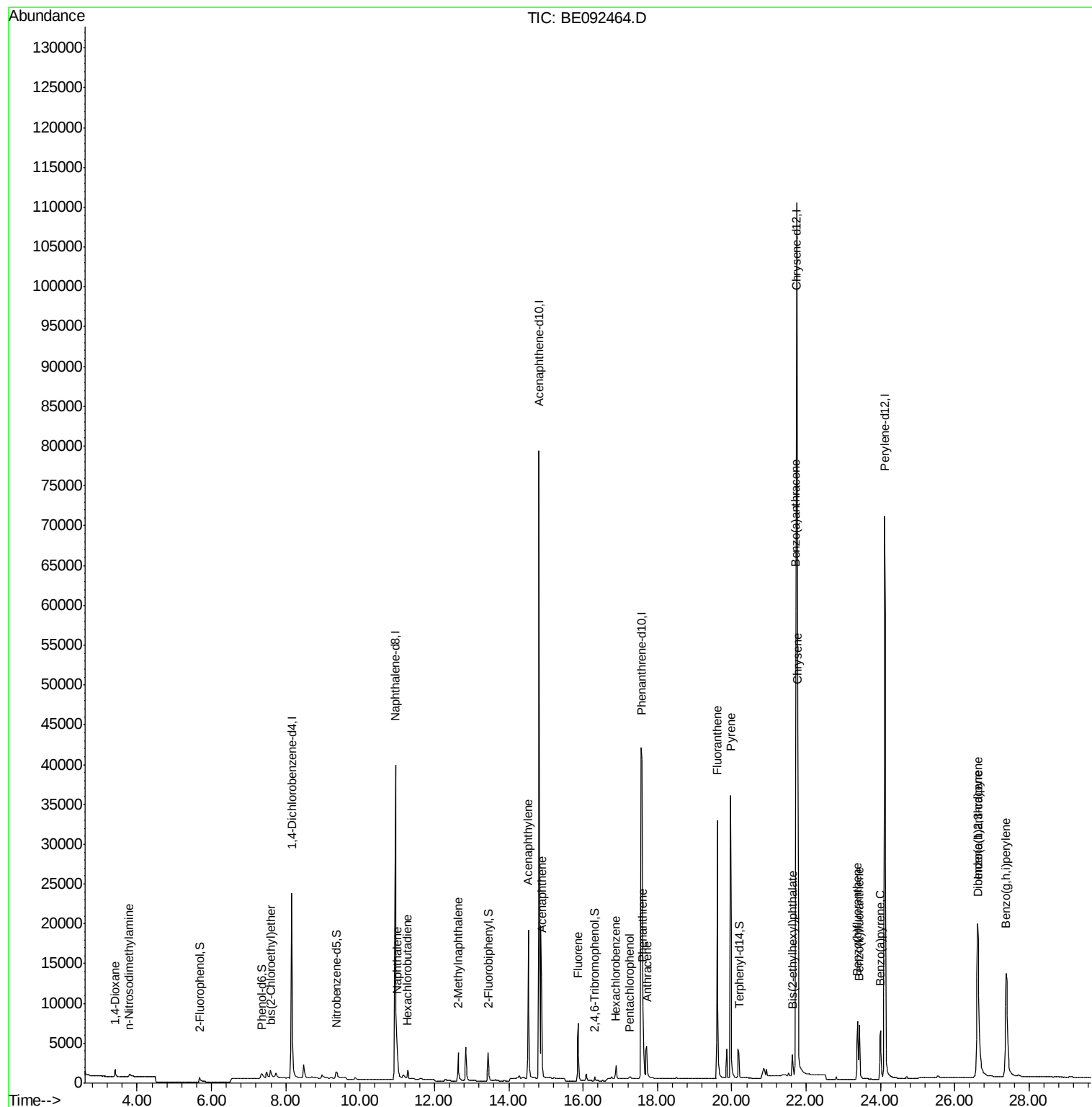
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102116\
Data File : BE092464.D
Acq On : 21 Oct 2016 11:51
Operator : UM/SJ
Sample : SSTDCCC0.4
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Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
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: 8.17 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092464.D

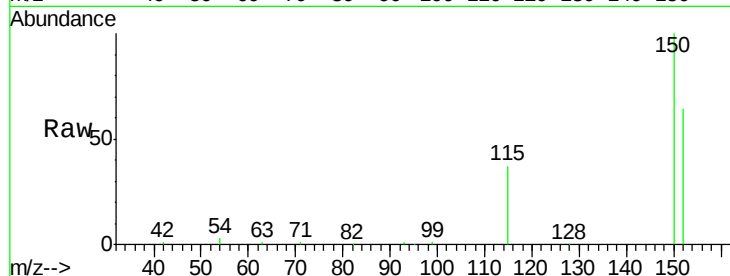
Acq: 21 Oct 2016 11:51

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4



Tgt Ion: 152 Resp: 13698

Ion Ratio Lower Upper

152 100

150 156.9 106.0 159.0

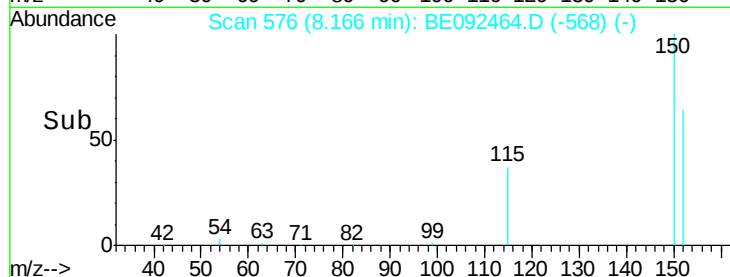
115 58.8 31.2 46.8#

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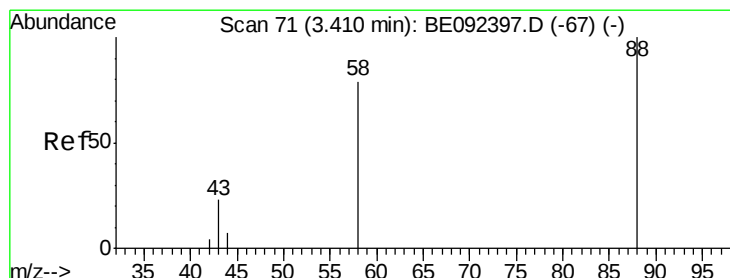
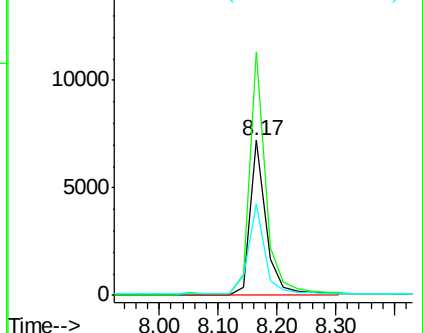
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.35 ng

RT: 3.41 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE092464.D

Acq: 21 Oct 2016 11:51

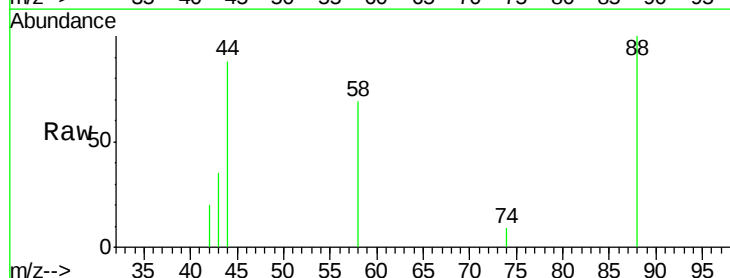
Tgt Ion: 88 Resp: 662

Ion Ratio Lower Upper

88 100

58 83.7 63.6 95.4

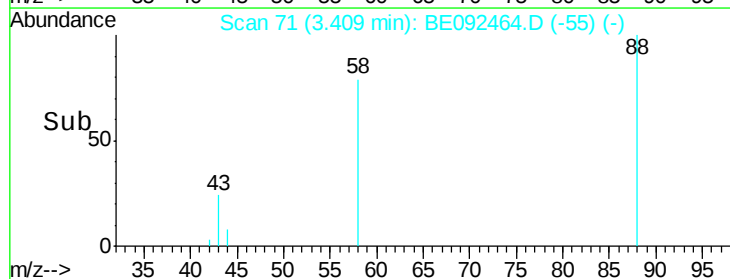
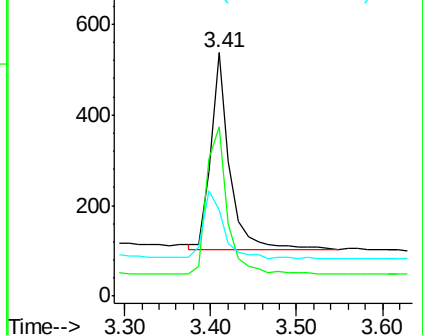
43 34.7 28.0 42.0

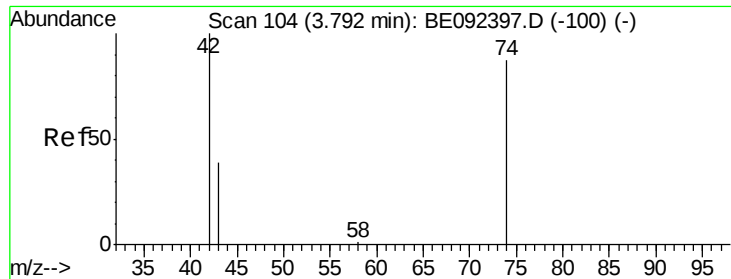


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.49 ng

RT: 3.79 min Scan# 104

Delta R.T. -0.01 min

Lab File: BE092464.D

Acq: 21 Oct 2016 11:51

Instrument :

BNA_E

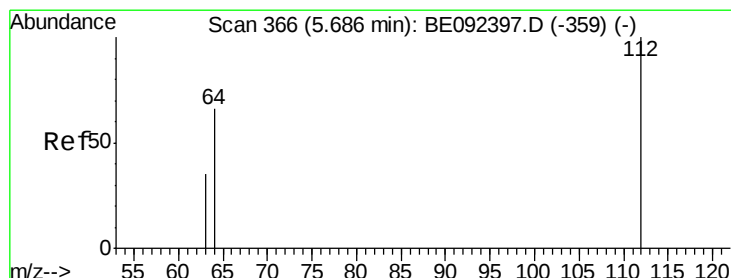
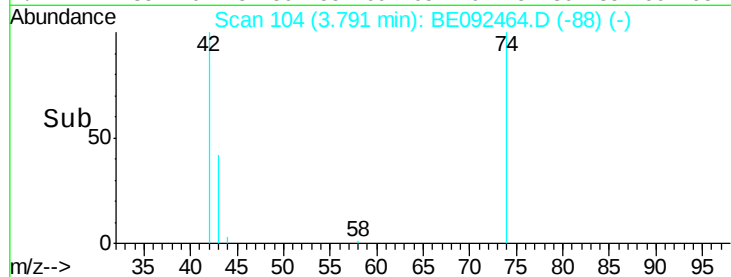
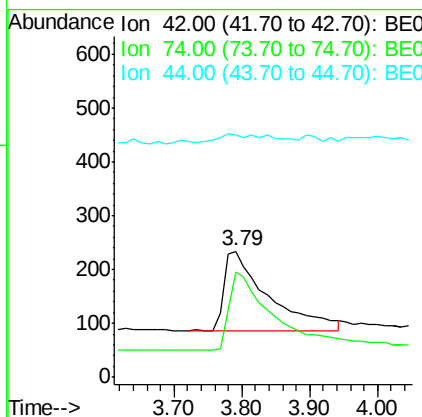
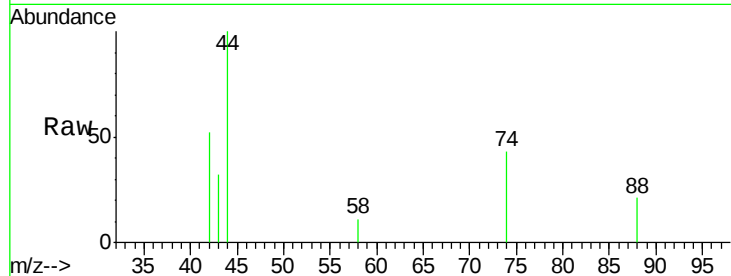
ClientSampleId :

SSTDCCC0.4

Tgt Ion:	42	Resp:	673
Ion Ratio	Lower	Upper	
42	100		
74	98.1	86.0	129.0
44	5.5	5.1	7.7

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#4

2-Fluorophenol

Concen: 0.40 ng

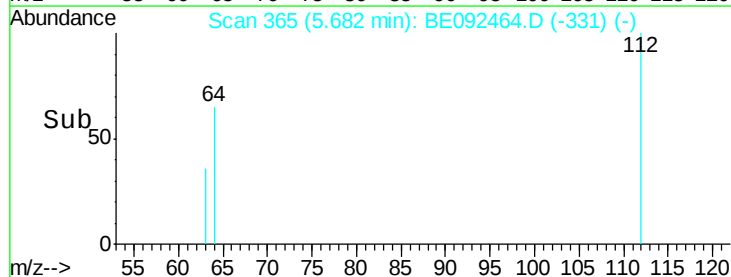
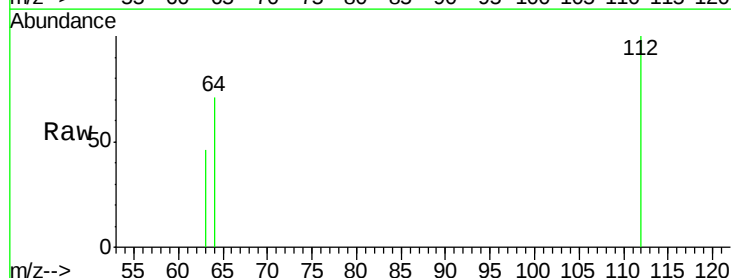
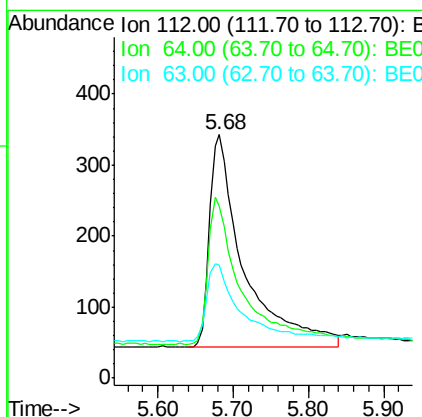
RT: 5.68 min Scan# 365

Delta R.T. -0.00 min

Lab File: BE092464.D

Acq: 21 Oct 2016 11:51

Tgt Ion:	112	Resp:	940
Ion Ratio	Lower	Upper	
112	100		
64	68.7	53.5	80.3
63	35.4	27.9	41.9





#5

Phenol-d6

Concen: 0.36 ng

RT: 7.36 min Scan# 541

Delta R.T. 0.00 min

Lab File: BE092464.D

Acq: 21 Oct 2016 11:51

Instrument :

BNA_E

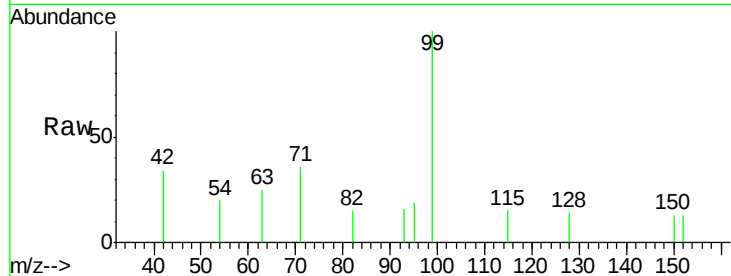
ClientSampleId :

SSTDCCC0.4

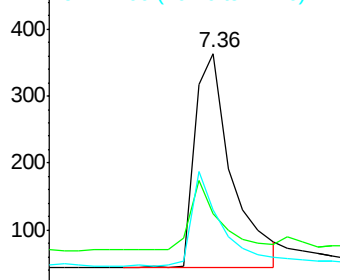
Tgt Ion:	99	Resp:	1267
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

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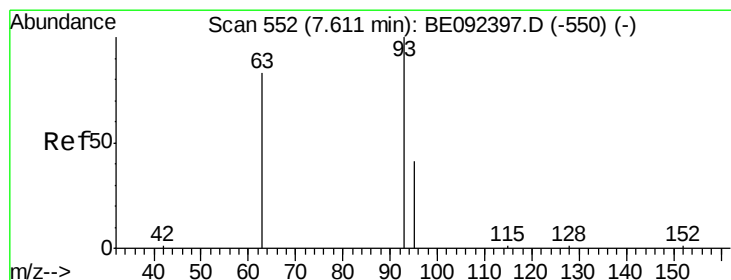
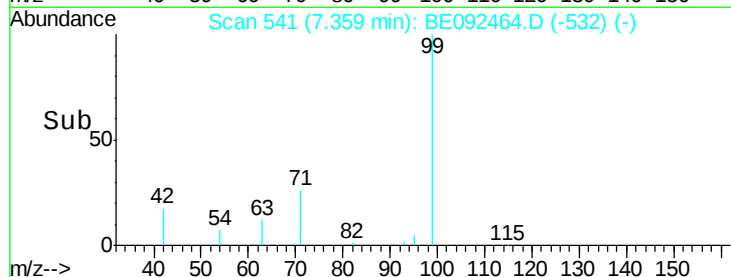
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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.42 ng

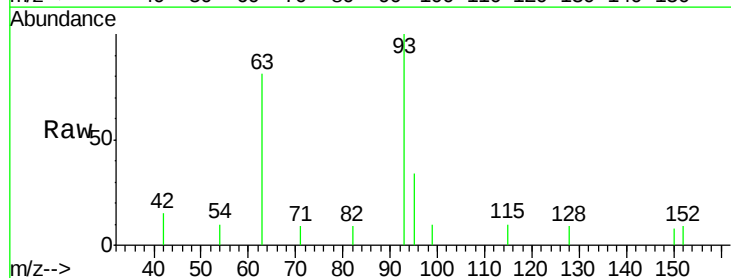
RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

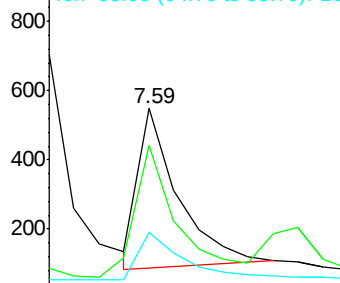
Lab File: BE092464.D

Acq: 21 Oct 2016 11:51

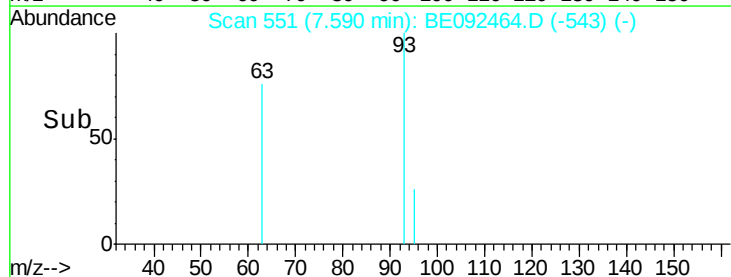
Tgt Ion:	93	Resp:	1198
Ion Ratio	Lower	Upper	
93	100		
63	89.5	71.6	107.4
95	35.6	24.0	36.0



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



Time-->





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.00 min

Lab File: BE092464.D

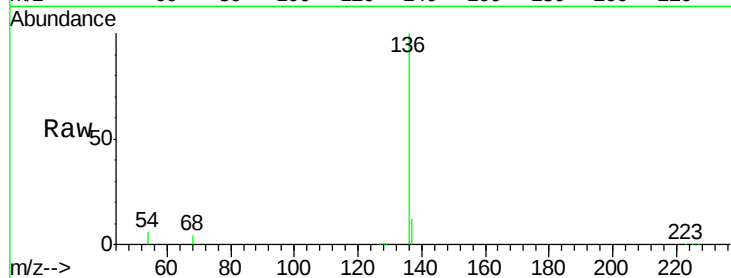
Acq: 21 Oct 2016 11:51

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4



Tgt Ion: 136 Resp: 67498

Ion Ratio Lower Upper

136 100

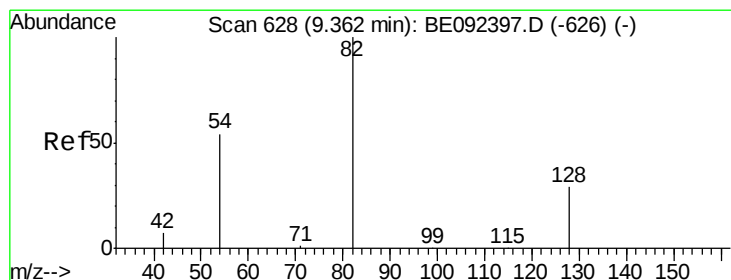
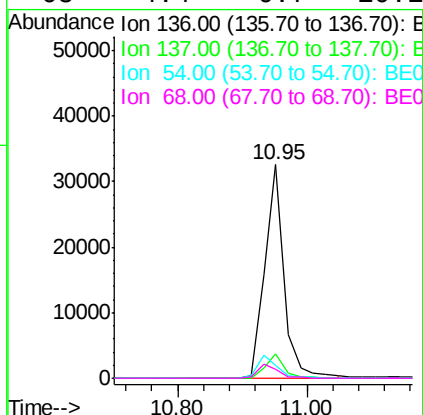
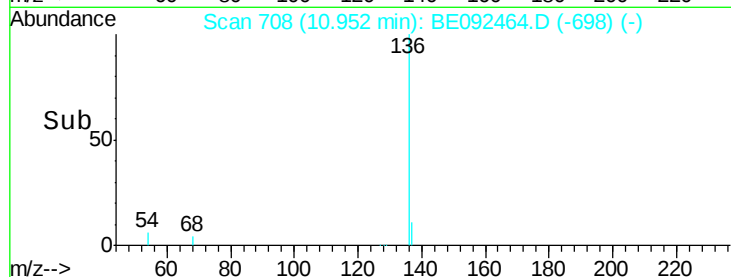
137 11.5 8.2 12.4

54 5.8 9.6 14.4#

68 4.4 6.7 10.1#

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#8

Nitrobenzene-d5

Concen: 0.44 ng

RT: 9.36 min Scan# 628

Delta R.T. 0.00 min

Lab File: BE092464.D

Acq: 21 Oct 2016 11:51

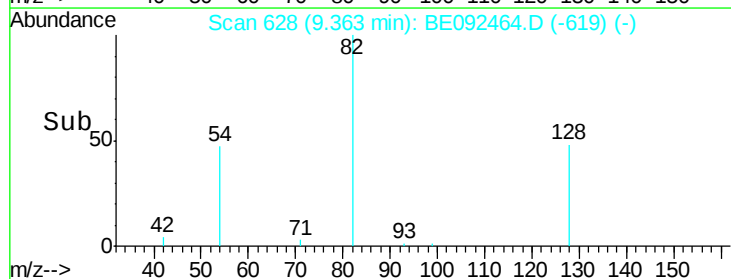
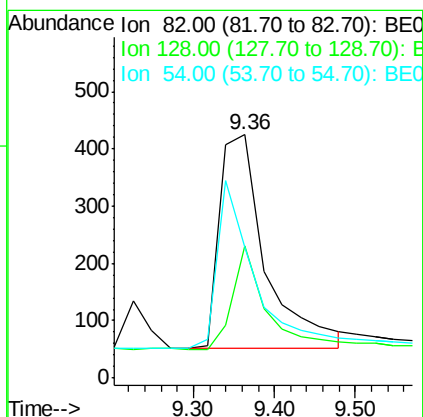
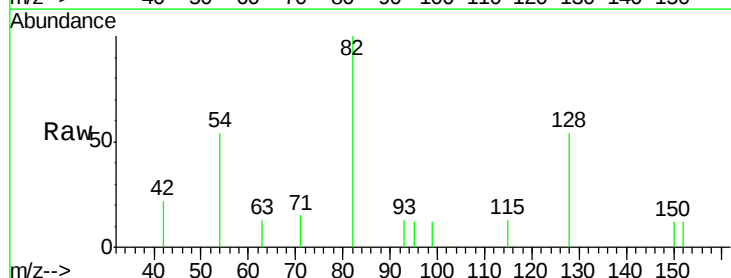
Tgt Ion: 82 Resp: 1483

Ion Ratio Lower Upper

82 100

128 54.1 39.0 58.4

54 53.6 44.8 67.2





#9

Naphthalene

Concen: 0.40 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092464.D

Acq: 21 Oct 2016 11:51

Instrument :

BNA_E

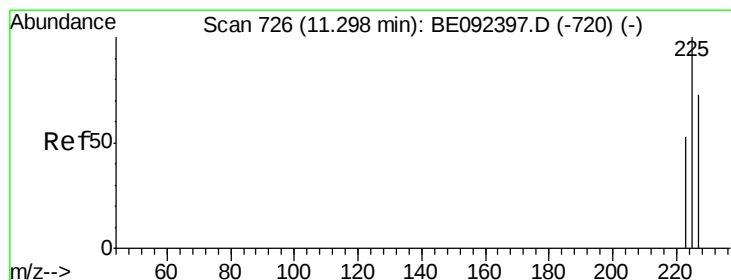
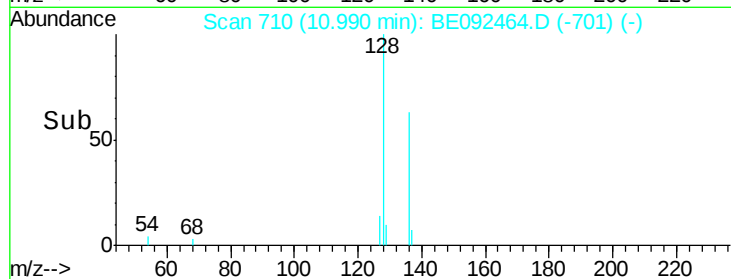
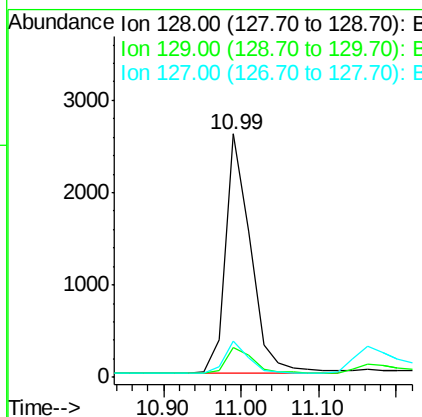
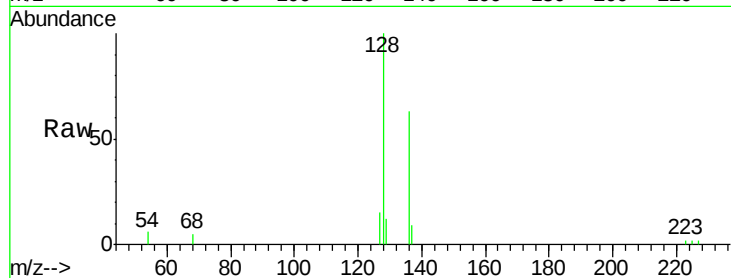
ClientSampleId :

SSTDCCC0.4

Tgt Ion:	128	Resp:	5796
Ion Ratio	Lower	Upper	
128	100		
129	12.0	11.2	16.8
127	15.1	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 0.38 ng

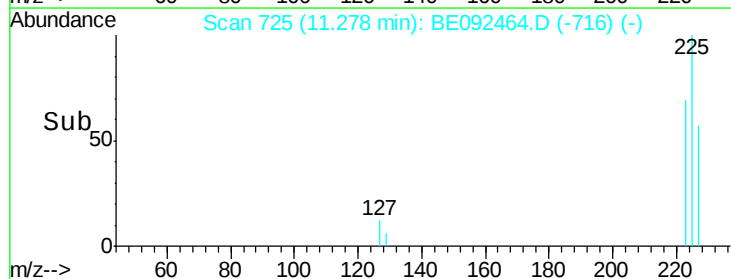
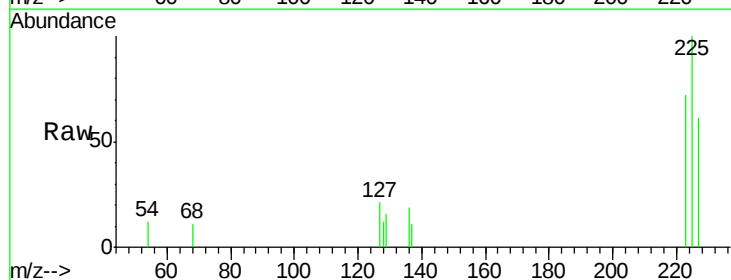
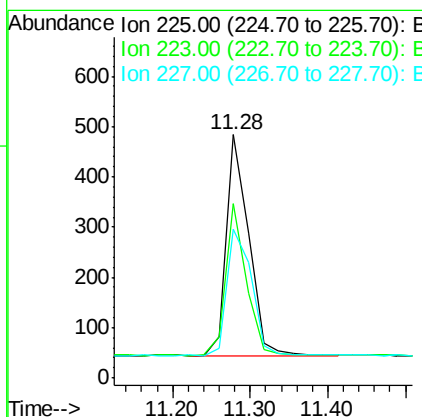
RT: 11.28 min Scan# 725

Delta R.T. -0.02 min

Lab File: BE092464.D

Acq: 21 Oct 2016 11:51

Tgt Ion:	225	Resp:	883
Ion Ratio	Lower	Upper	
225	100		
223	64.8	50.6	76.0
227	63.6	51.4	77.0





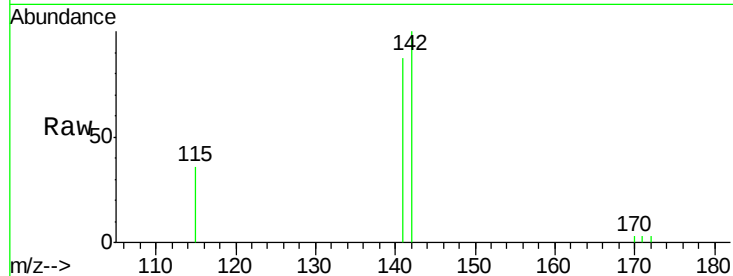
#11
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.64 min Scan# 815
Delta R.T. -0.01 min
Lab File: BE092464.D
Acq: 21 Oct 2016 11:51

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

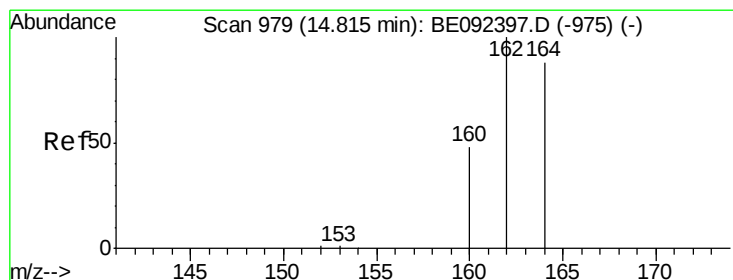
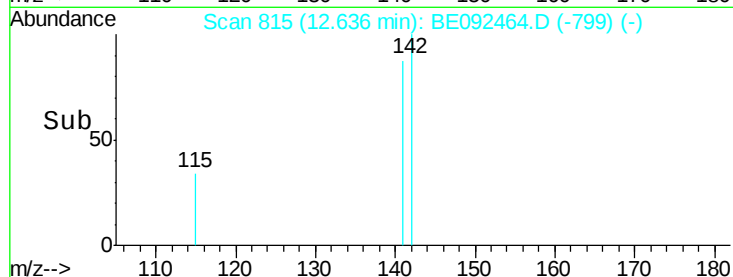
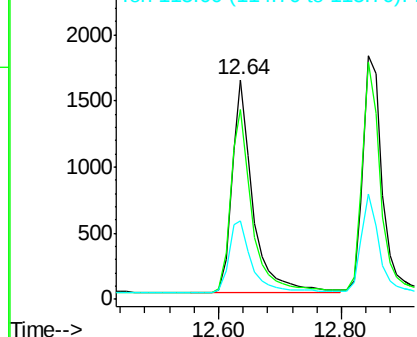
Tgt Ion:142 Resp: 3759
Ion Ratio Lower Upper
142 100
141 86.6 73.7 110.5
115 36.0 34.0 51.0

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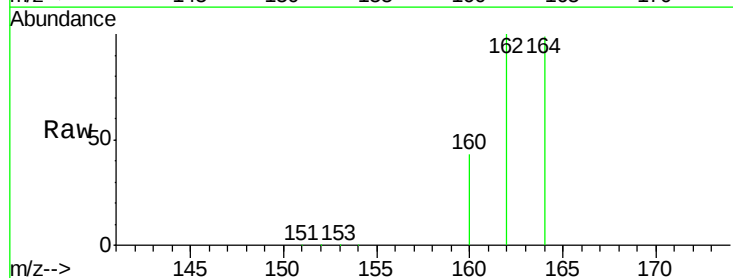


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

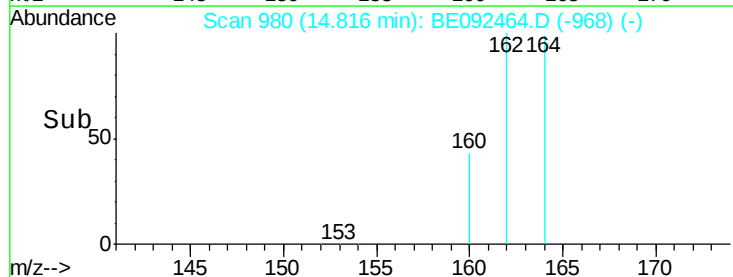
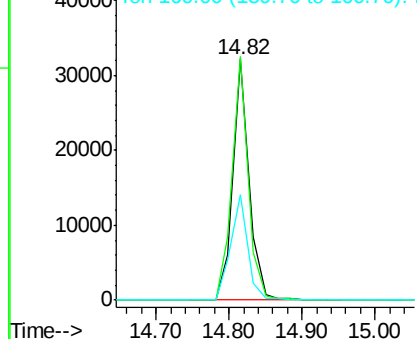


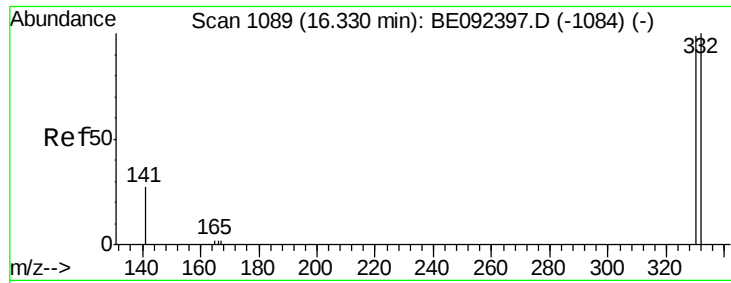
#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092464.D
Acq: 21 Oct 2016 11:51

Tgt Ion:164 Resp: 48763
Ion Ratio Lower Upper
164 100
162 101.1 71.4 107.0
160 44.0 27.4 41.2#



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





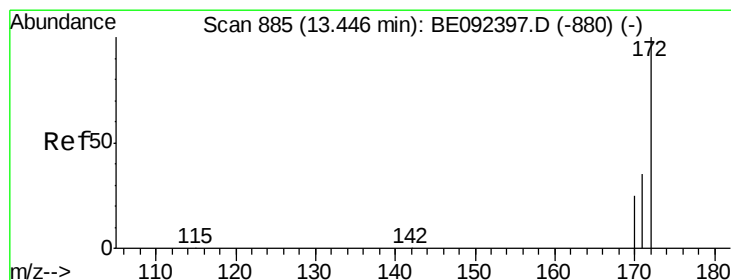
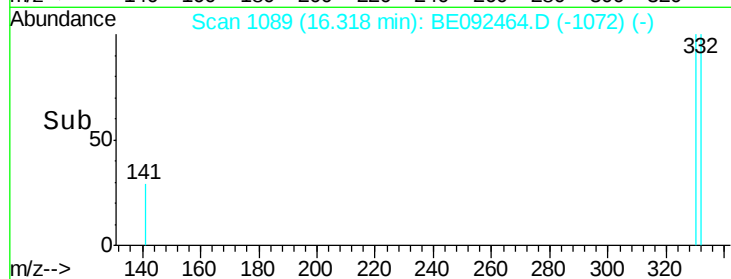
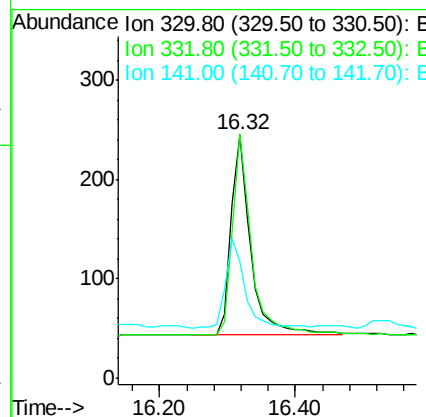
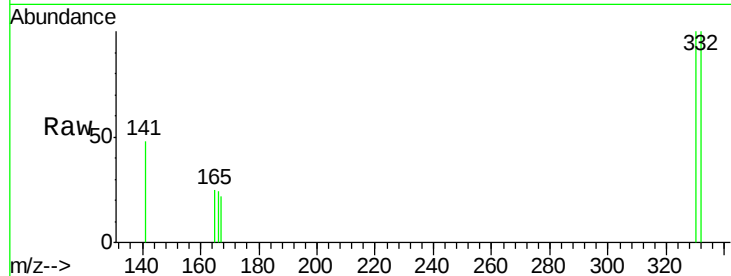
#13
 2,4,6-Tribromophenol
 Concen: 0.40 ng
 RT: 16.32 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BE092464.D
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Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.4	113.0
141	44.1	31.0	46.6

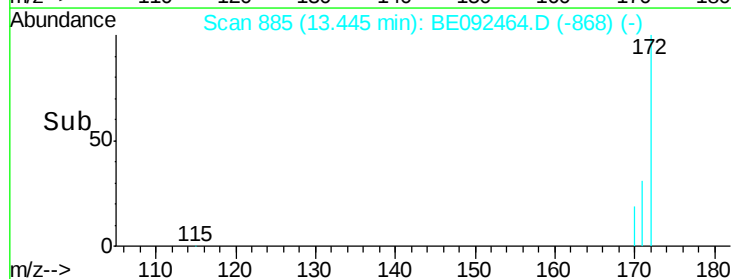
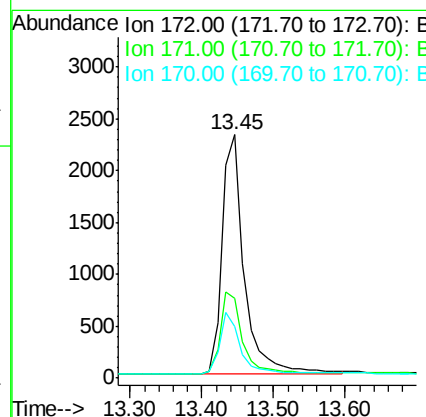
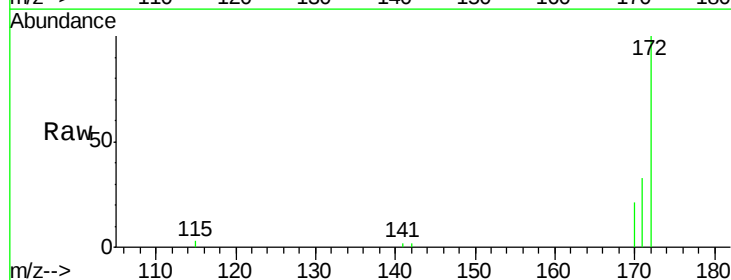
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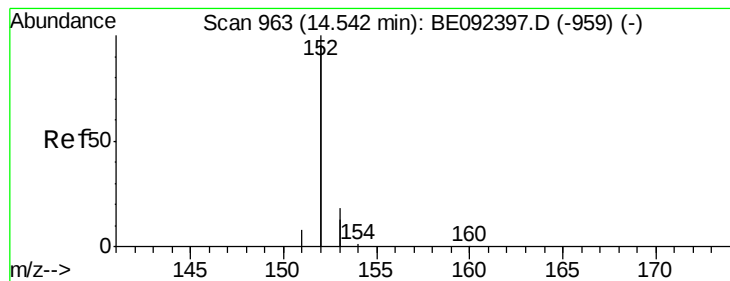
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#14
 2-Fluorobiphenyl
 Concen: 0.42 ng
 RT: 13.45 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: BE092464.D
 Acq: 21 Oct 2016 11:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.7	30.1	45.1
170	21.0	21.8	32.6





#15

Acenaphthylene

Concen: 0.39 ng

RT: 14.53 min Scan# 963

Delta R.T. 0.00 min

Lab File: BE092464.D

Acq: 21 Oct 2016 11:51

Instrument :

BNA_E

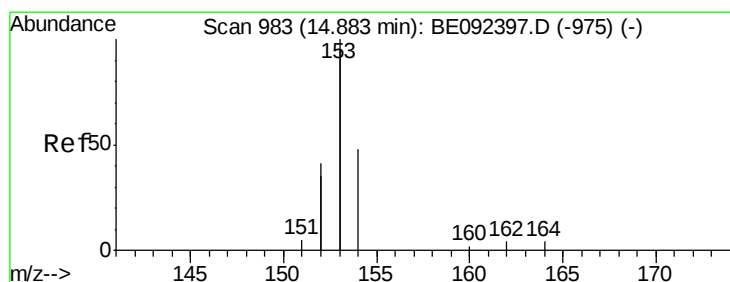
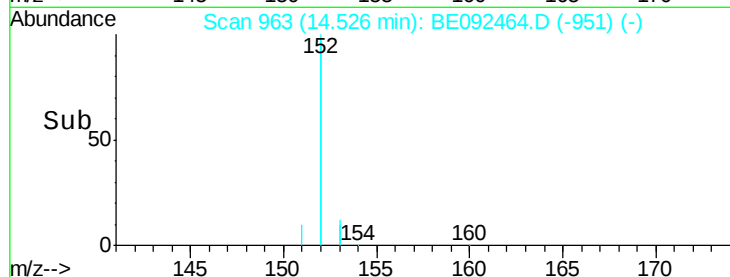
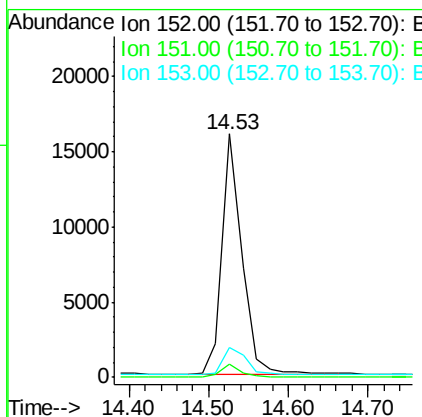
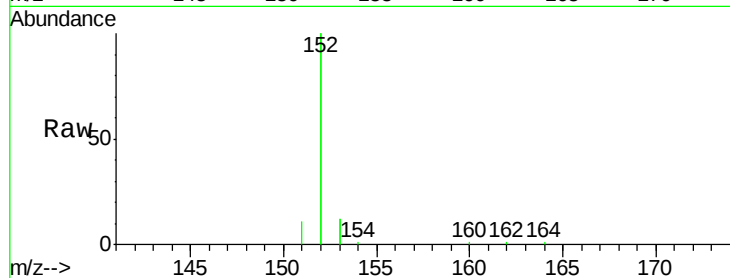
ClientSampleId :

SSTDCCC0.4

Tgt Ion:	152	Resp:	27621
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: 0.41 ng

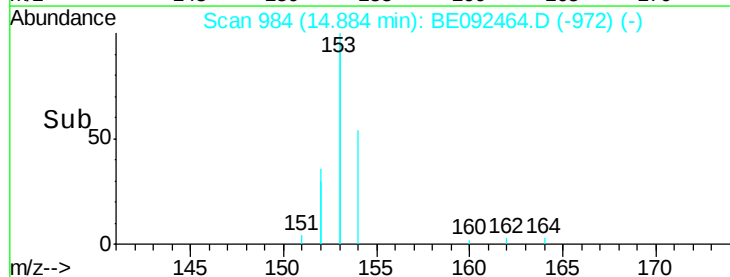
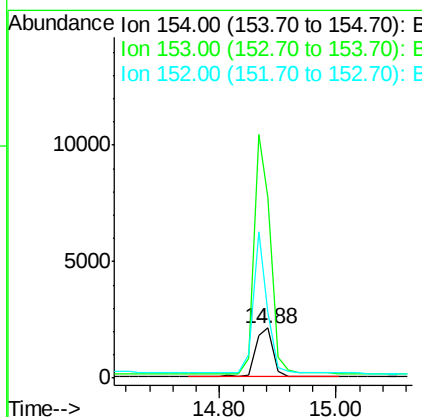
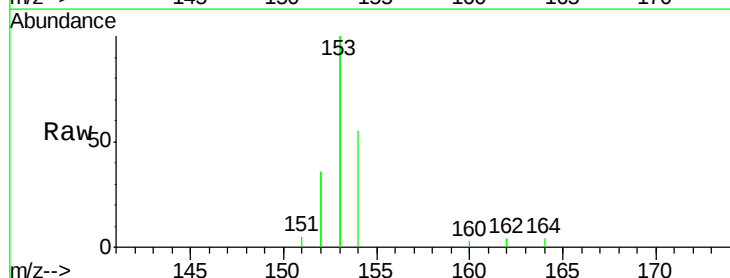
RT: 14.88 min Scan# 984

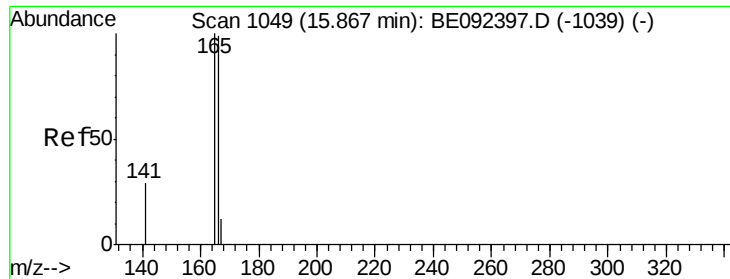
Delta R.T. 0.00 min

Lab File: BE092464.D

Acq: 21 Oct 2016 11:51

Tgt Ion:	154	Resp:	4512
Ion Ratio	Lower	Upper	
154	100		
153	443.6	350.8	526.2
152	224.4	171.1	256.7





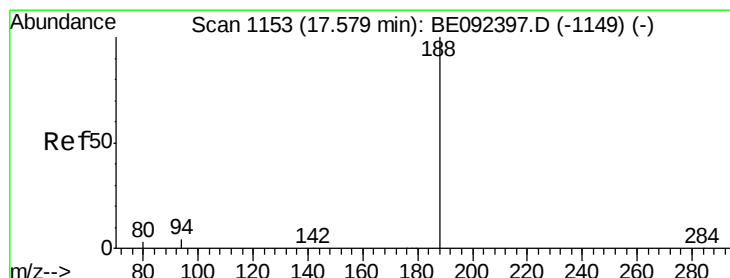
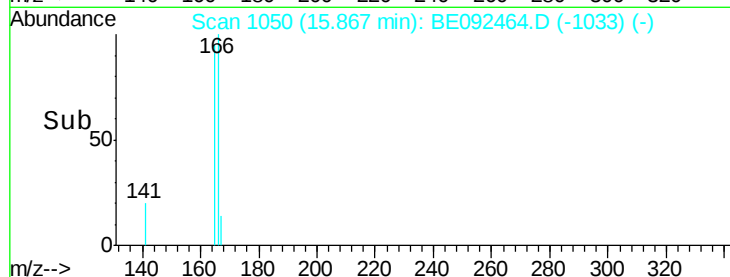
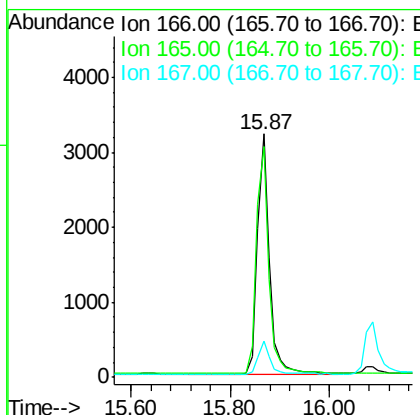
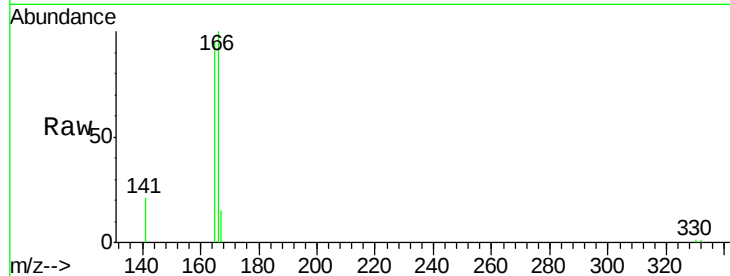
#17
Fluorene
 Concen: 0.39 ng
 RT: 15.87 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BE092464.D
 Acq: 21 Oct 2016 11:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.2	117.4
167	13.4	11.0	16.4

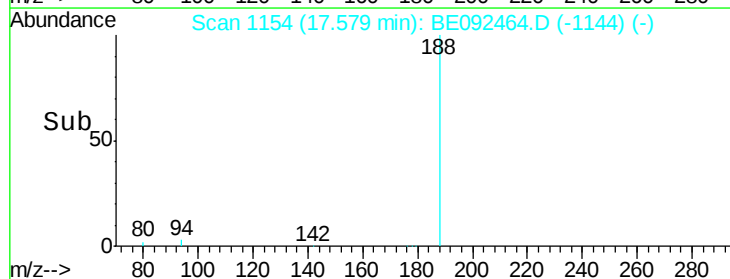
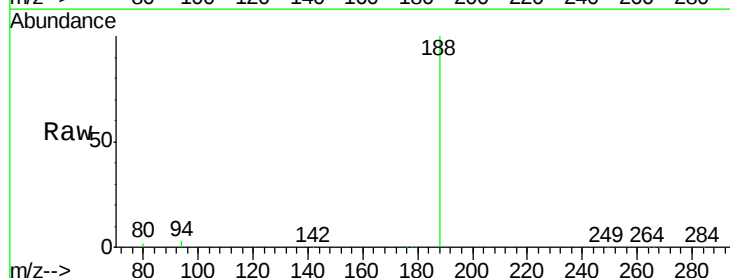
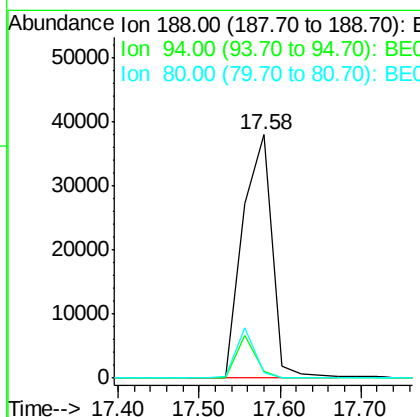
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. 0.02 min
 Lab File: BE092464.D
 Acq: 21 Oct 2016 11:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	2.9	3.2	4.8#
80	2.4	2.6	3.8#





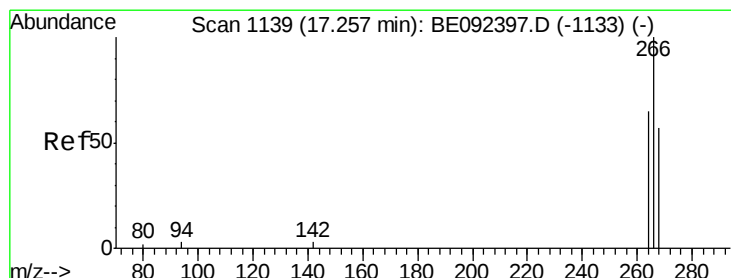
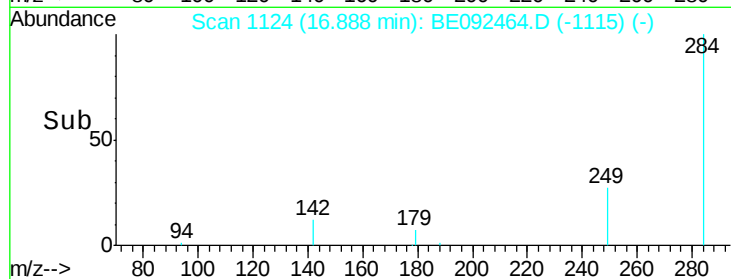
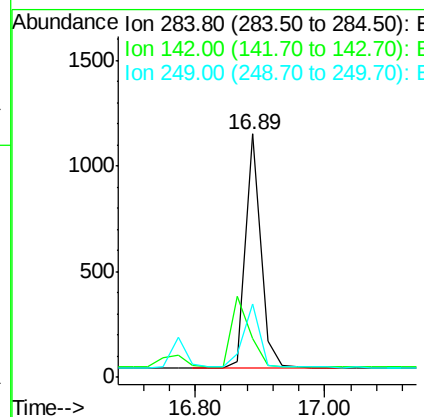
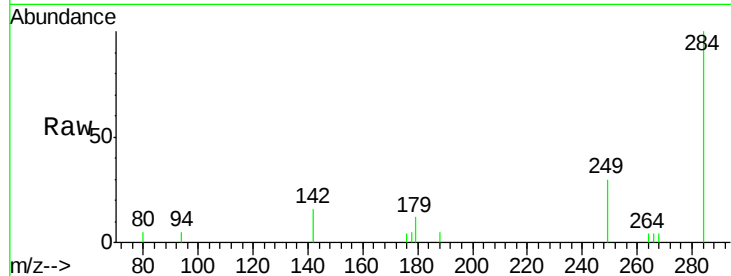
#19
Hexachlorobenzene
Concen: 0.44 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092464.D
Acq: 21 Oct 2016 11:51

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	29.5	27.9	41.9

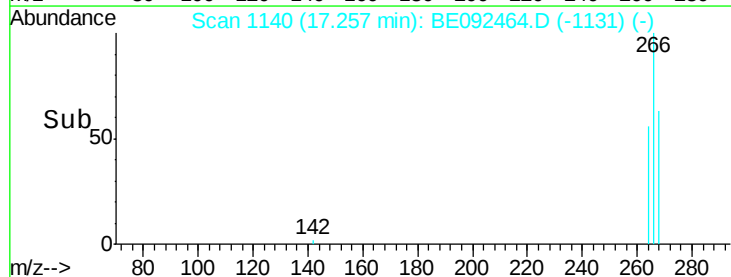
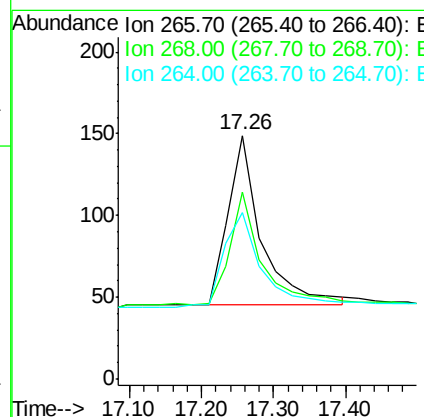
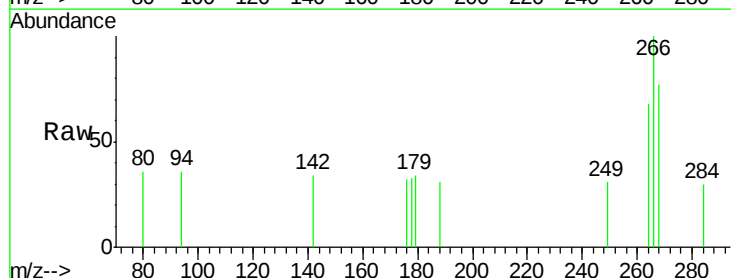
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#20
Pentachlorophenol
Concen: 0.40 ng
RT: 17.26 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BE092464.D
Acq: 21 Oct 2016 11:51

Tgt Ion	Ratio	Lower	Upper
266	100		
268	76.5	62.5	93.7
264	68.5	57.2	85.8





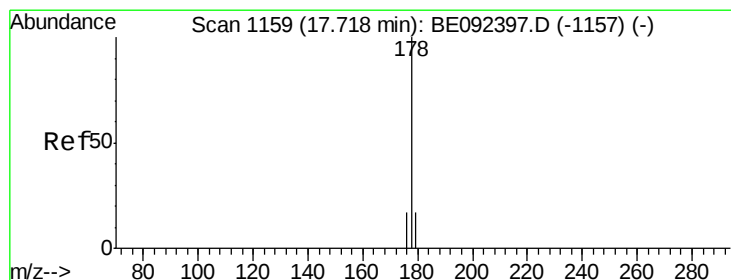
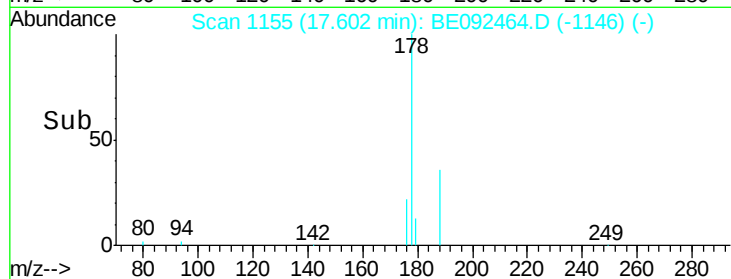
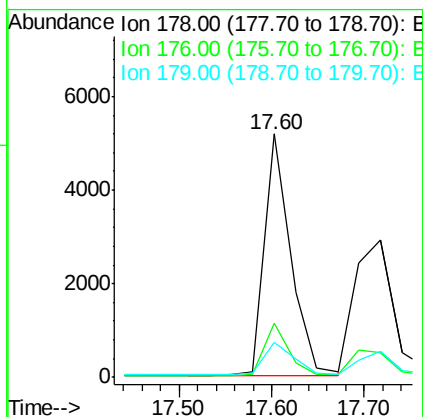
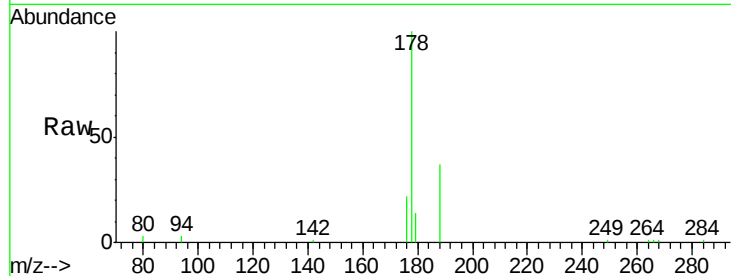
#21
Phenanthrene
Concen: 0.46 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092464.D
Acq: 21 Oct 2016 11:51

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.8	16.0	24.0

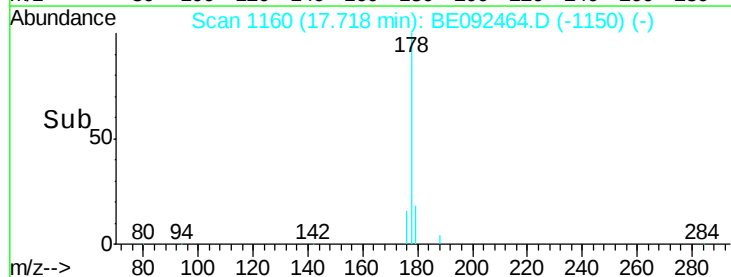
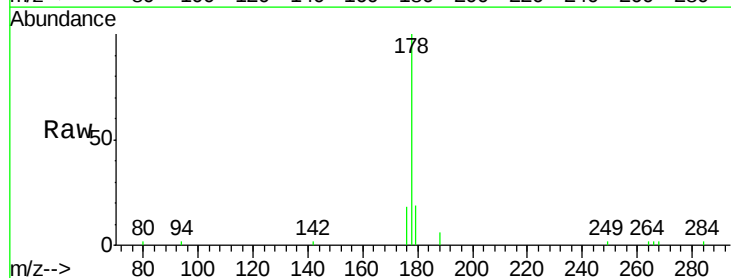
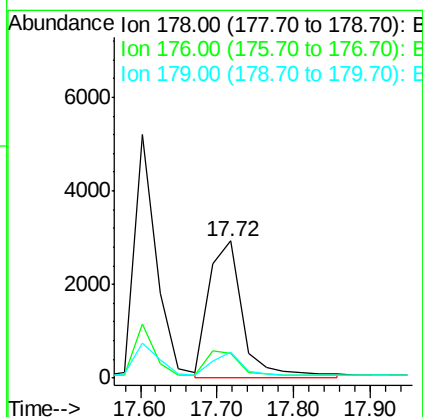
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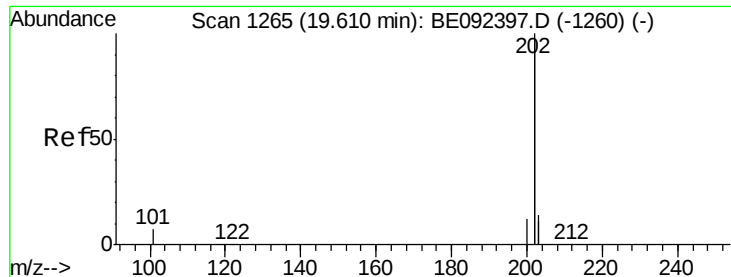
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#22
Anthracene
Concen: 0.44 ng m
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092464.D
Acq: 21 Oct 2016 11:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.9	15.0	22.4
179	16.0	12.2	18.2





#23

Fluoranthene

Concen: 0.40 ng

RT: 19.61 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE092464.D

Acq: 21 Oct 2016 11:51

Instrument :

BNA_E

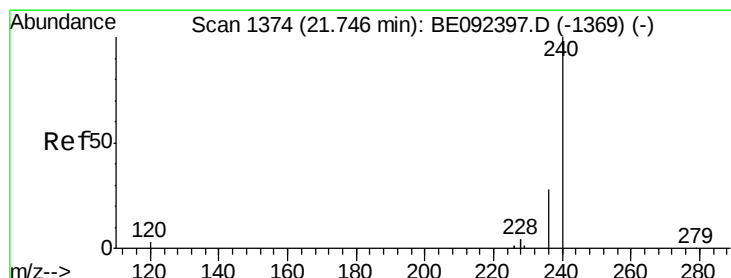
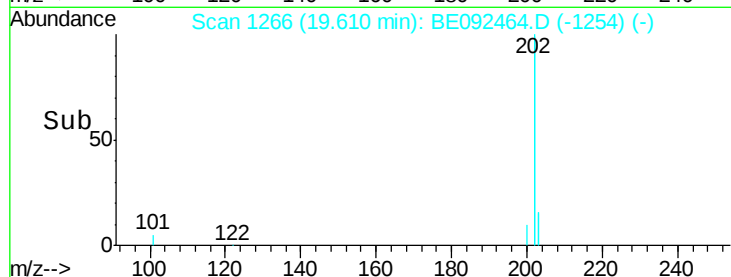
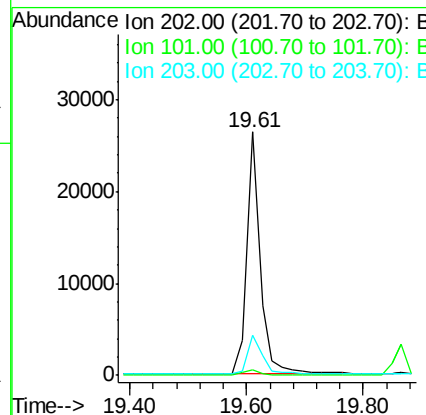
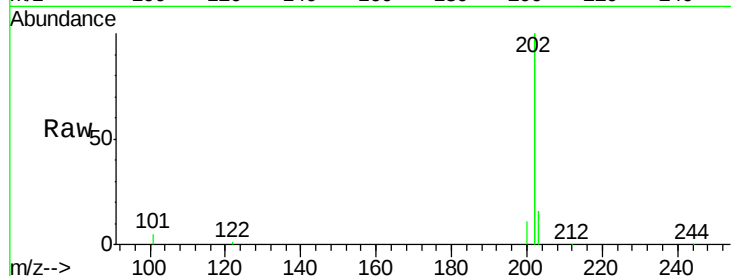
ClientSampleId :

SSTDCCC0.4

Tgt Ion	Ratio	Lower	Upper
202	100		
101	2.8	2.2	3.4
203	17.2	13.7	20.5

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#24

Chrysene-d12

Concen: 5.00 ng

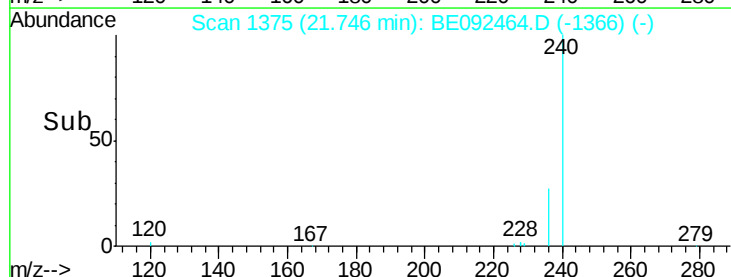
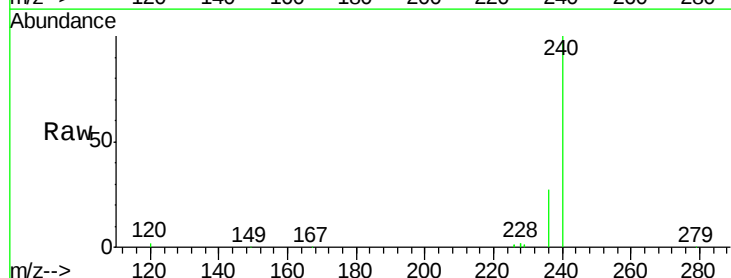
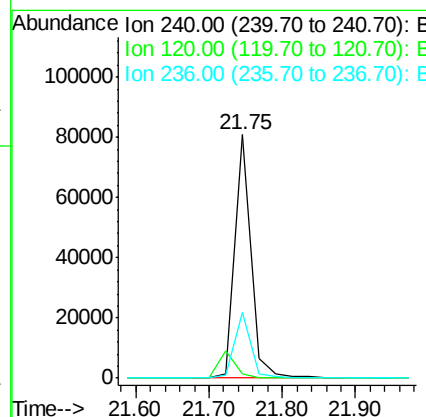
RT: 21.75 min Scan# 1375

Delta R.T. -0.00 min

Lab File: BE092464.D

Acq: 21 Oct 2016 11:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	2.0	2.6	4.0#
236	27.0	24.6	37.0





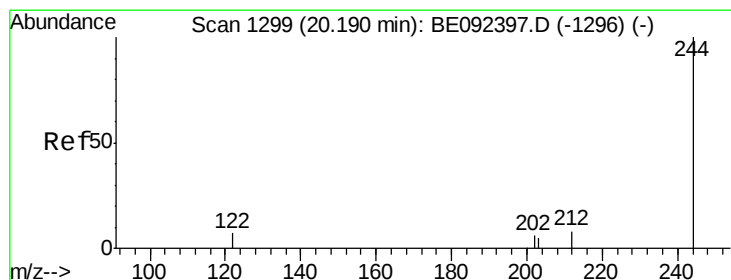
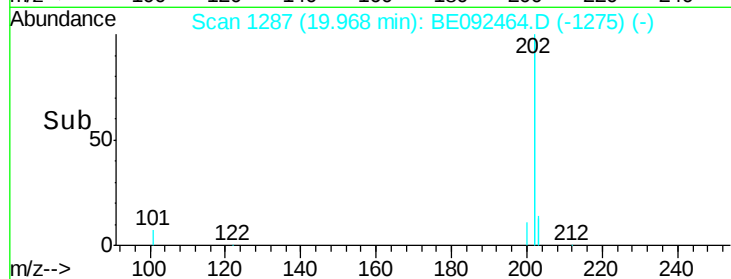
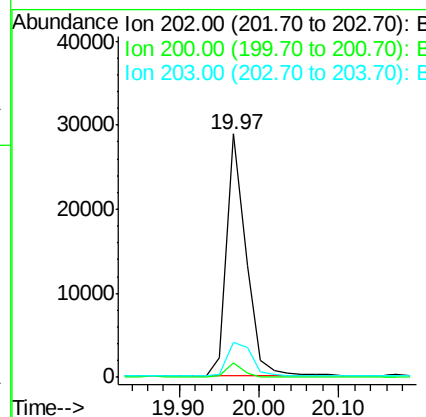
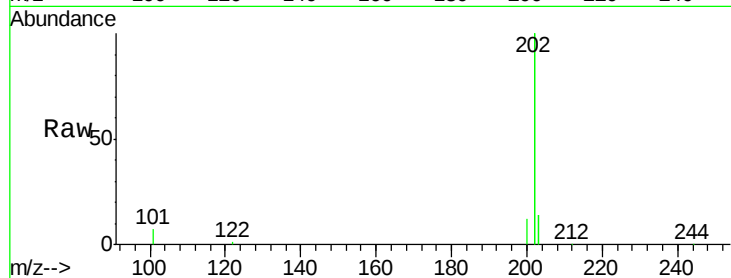
#25
 Pyrene
 Concen: 0.45 ng
 RT: 19.97 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: BE092464.D
 Acq: 21 Oct 2016 11:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	5.3	4.2	6.4
203	17.2	13.9	20.9

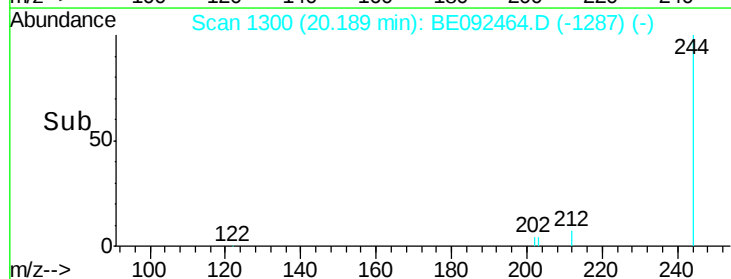
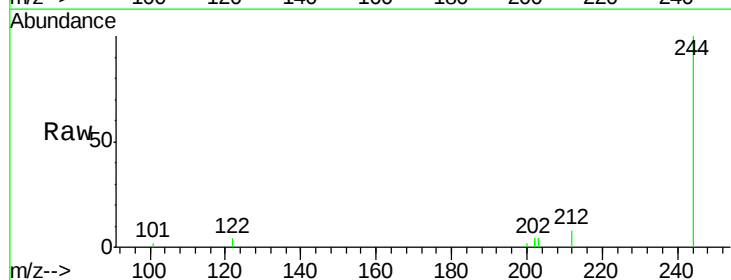
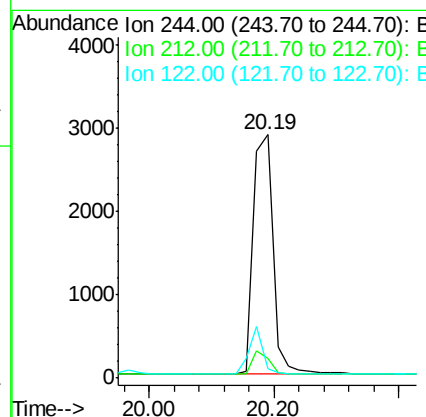
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#26
 Terphenyl-d14
 Concen: 0.41 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. 0.02 min
 Lab File: BE092464.D
 Acq: 21 Oct 2016 11:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.1	6.7	10.1
122	4.0	3.6	5.4





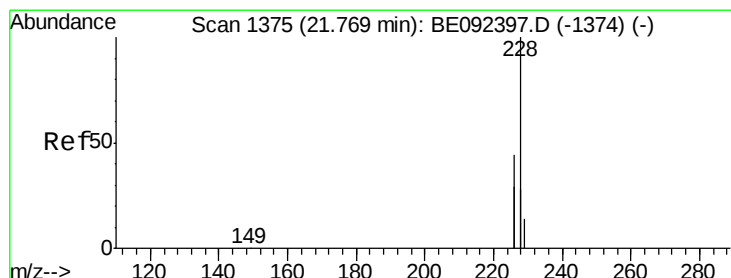
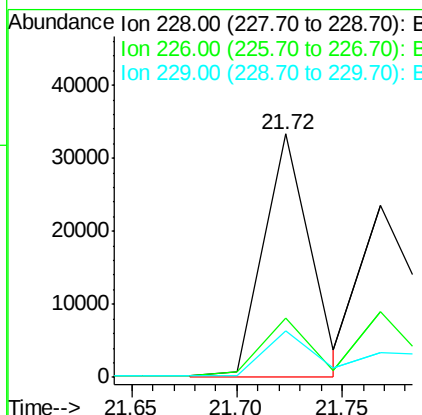
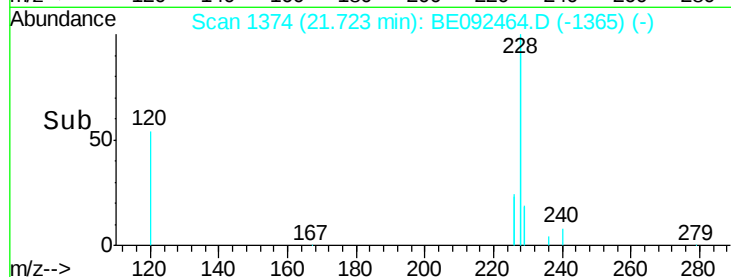
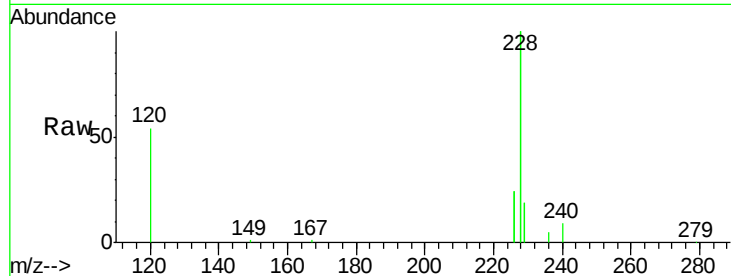
#27
Benzo(a)anthracene
Concen: 0.42 ng m
RT: 21.72 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE092464.D
Acq: 21 Oct 2016 11:51

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 51586
Ion Ratio Lower Upper
228 100
226 24.3 23.6 35.4
229 18.8 13.3 19.9

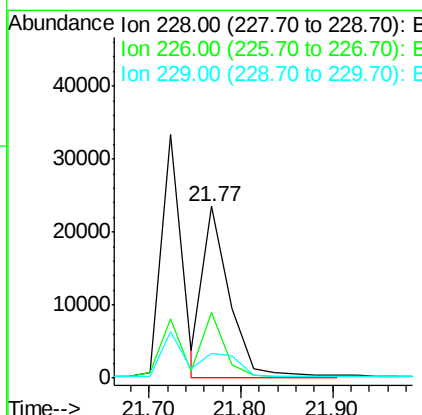
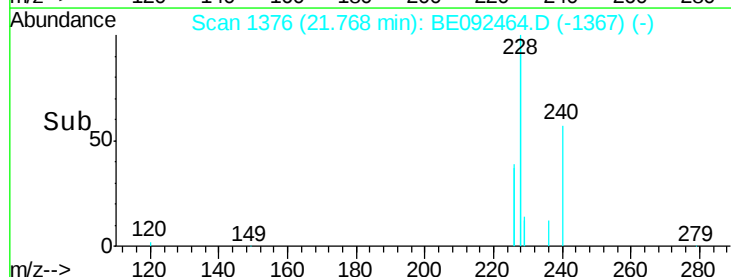
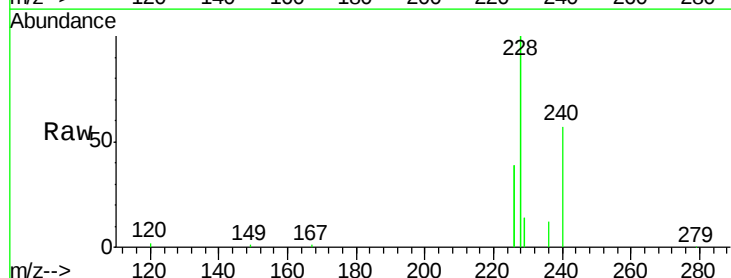
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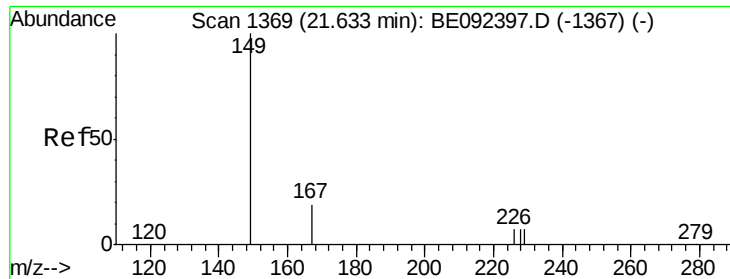
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#28
Chrysene
Concen: 0.44 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092464.D
Acq: 21 Oct 2016 11:51

Tgt Ion:228 Resp: 49314
Ion Ratio Lower Upper
228 100
226 38.5 36.3 54.5
229 14.1 10.6 16.0





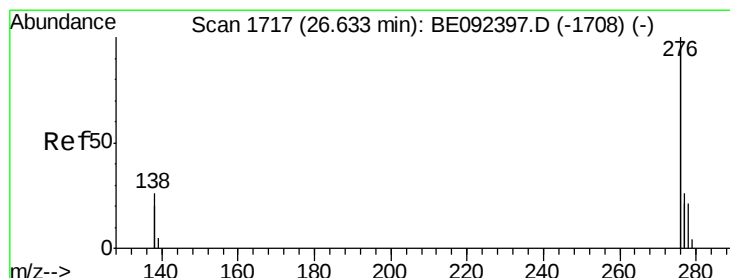
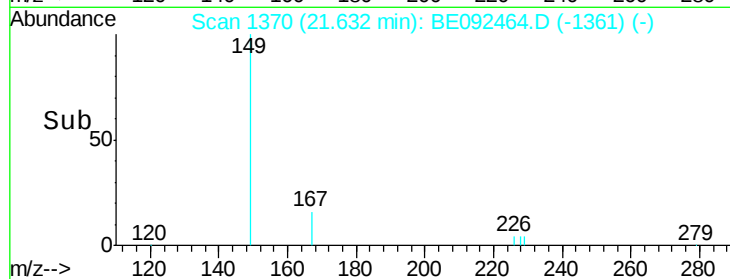
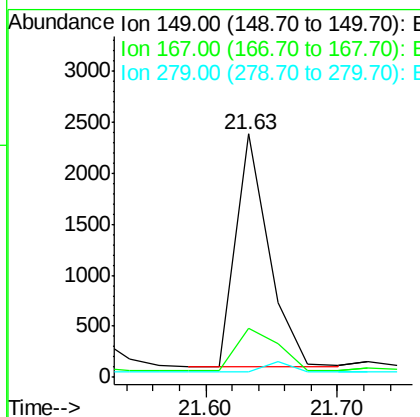
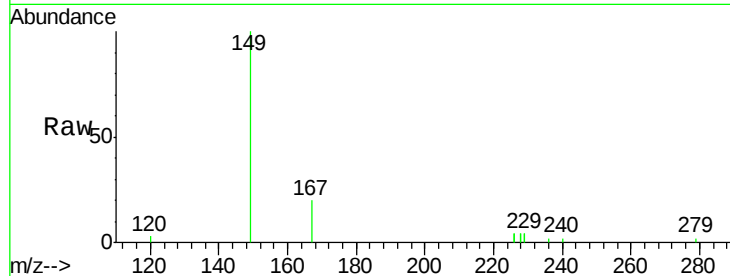
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.38 ng
 RT: 21.63 min Scan# 1370
 Delta R.T. -0.00 min
 Lab File: BE092464.D
 Acq: 21 Oct 2016 11:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	23.3	16.0	24.0
279	0.0	16.0	24.0

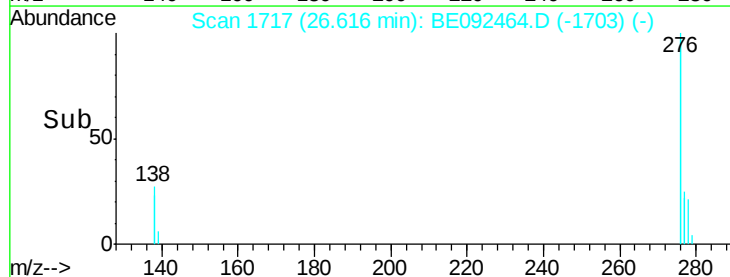
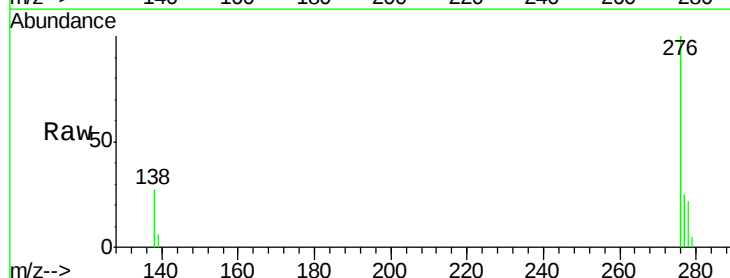
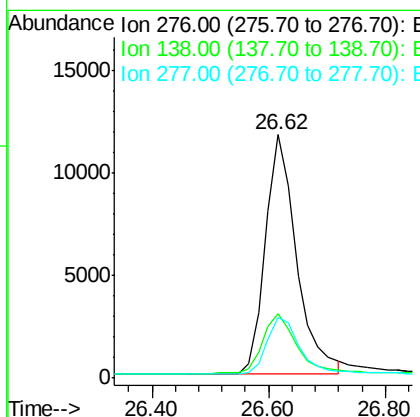
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#30
 Indeno(1,2,3-cd)pyrene
 Concen: 0.37 ng
 RT: 26.62 min Scan# 1717
 Delta R.T. 0.04 min
 Lab File: BE092464.D
 Acq: 21 Oct 2016 11:51

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





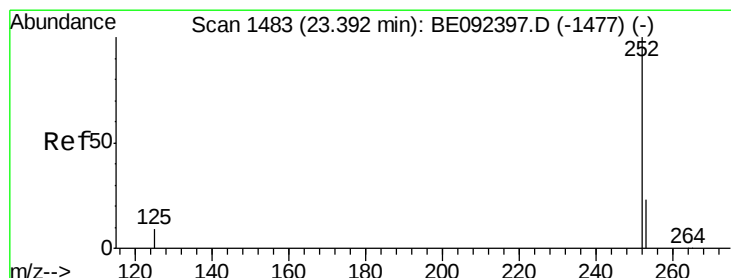
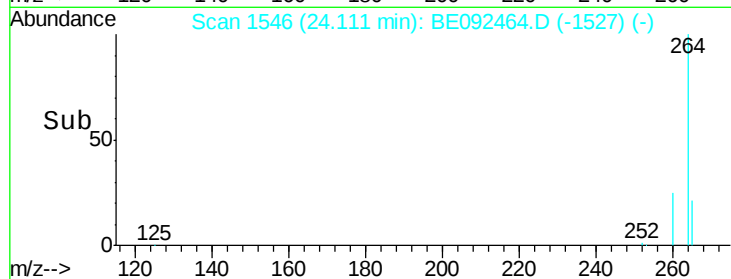
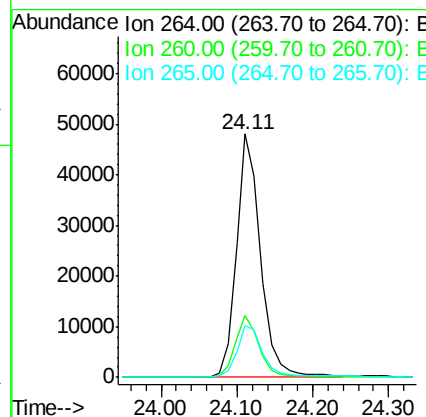
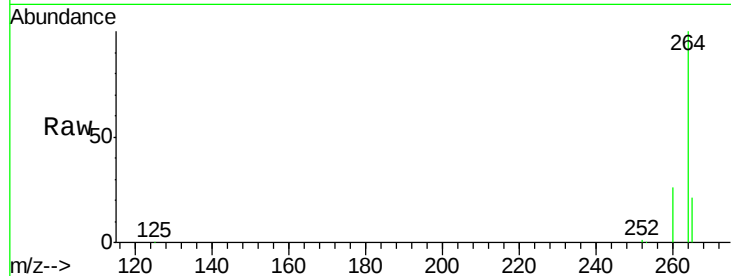
#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.11 min Scan# 1546
 Delta R.T. 0.02 min
 Lab File: BE092464.D
 Acq: 21 Oct 2016 11:51

Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.1	30.1
265	21.3	17.9	26.9

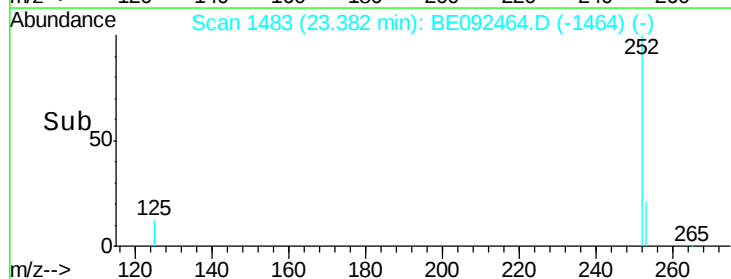
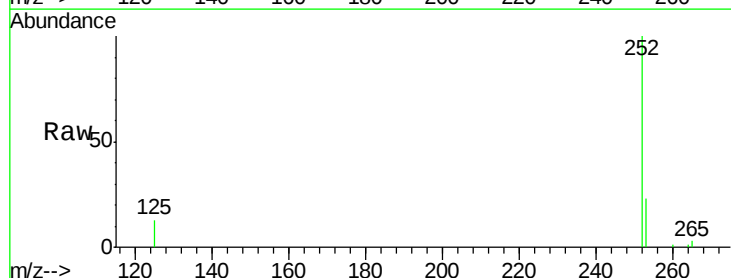
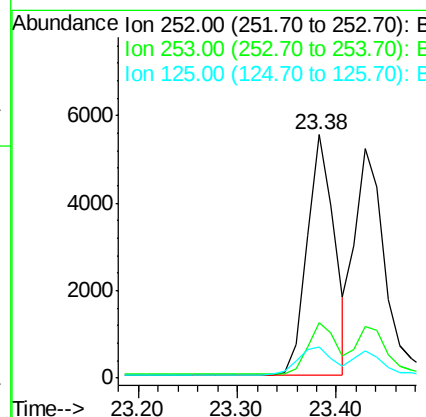
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#32
 Benzo(b)fluoranthene
 Concen: 0.41 ng
 RT: 23.38 min Scan# 1483
 Delta R.T. 0.02 min
 Lab File: BE092464.D
 Acq: 21 Oct 2016 11:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.7	28.1
125	12.9	10.5	15.7





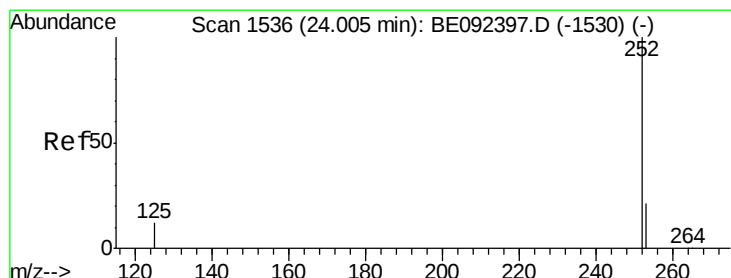
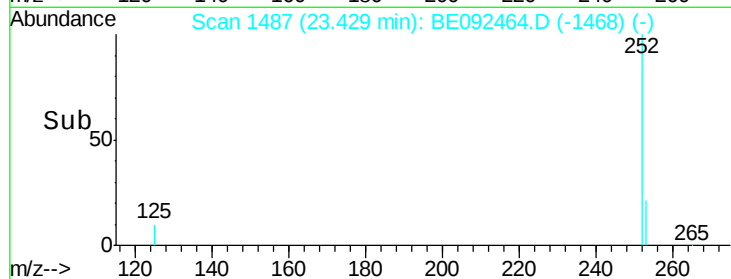
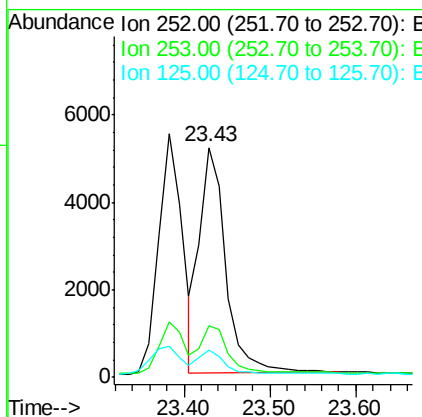
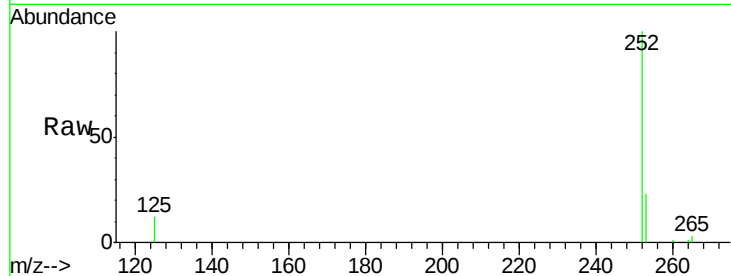
#33
Benzo(k)fluoranthene
Concen: 0.40 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092464.D
Acq: 21 Oct 2016 11:51

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:	252	Resp:	10881
Ion Ratio	Lower	Upper	
252	100		
253	22.6	20.3	30.5
125	11.7	9.6	14.4

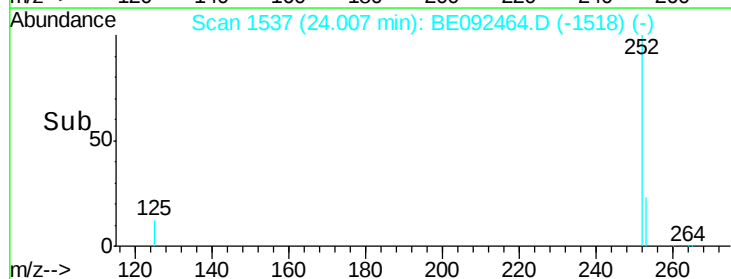
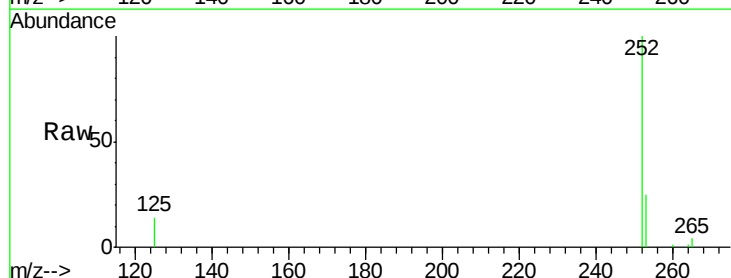
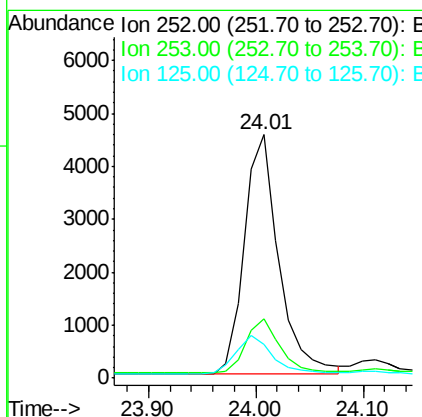
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#34
Benzo(a)pyrene
Concen: 0.40 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092464.D
Acq: 21 Oct 2016 11:51

Tgt Ion:	252	Resp:	10074
Ion Ratio	Lower	Upper	
252	100		
253	24.6	19.0	28.6
125	13.8	11.8	17.8





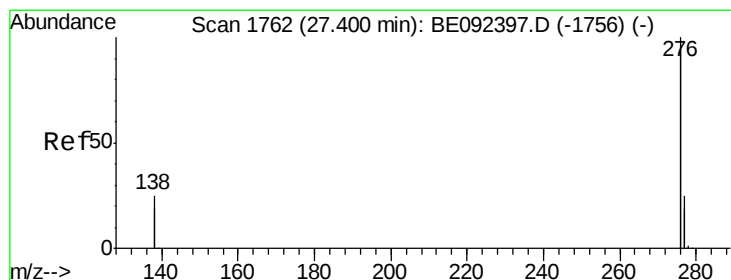
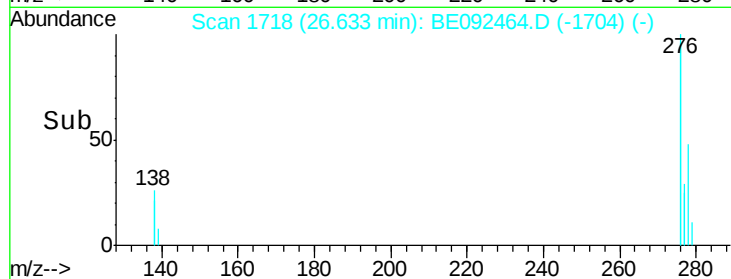
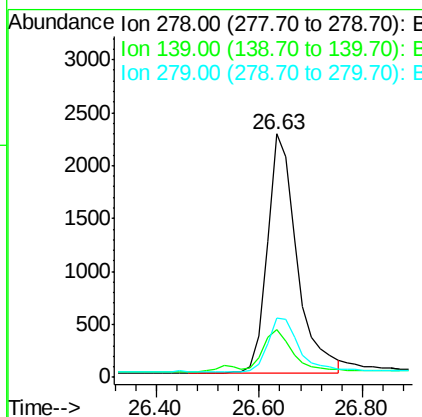
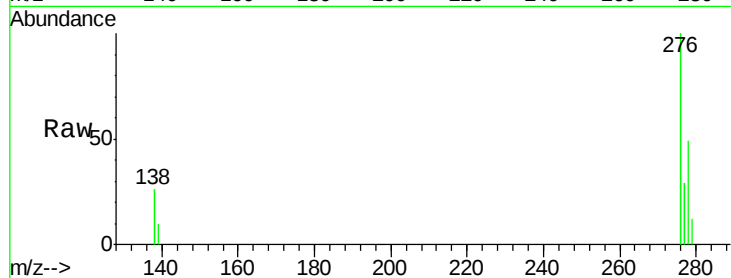
#35
Dibenzo(a,h)anthracene
Concen: 0.38 ng
RT: 26.63 min Scan# 1718
Delta R.T. 0.04 min
Lab File: BE092464.D
Acq: 21 Oct 2016 11:51

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.7	13.8	20.8
279	24.5	21.4	32.2

Manual Integrations
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#36
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.38 min Scan# 1762
Delta R.T. 0.04 min
Lab File: BE092464.D
Acq: 21 Oct 2016 11:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.8	29.8
138	25.5	19.8	29.6

