

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101716\
 Data File : BE092462.D
 Acq On : 17 Oct 2016 20:59
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Manual Integrations
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 10/18/2016 10:59:13 AM

Quant Time: Oct 18 01:05:21 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 18:25:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	11987	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	57674	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	43154	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	83577	5.00	ng	0.02
24) Chrysene-d12	21.75	240	118678	5.00	ng	0.00
31) Perylene-d12	24.11	264	96235	5.00	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.68	112	964	0.45	ng	0.00
5) Phenol-d6	7.36	99	1270	0.40	ng	0.00
8) Nitrobenzene-d5	9.36	82	1436	0.48	ng	0.00
13) 2,4,6-Tribromophenol	16.32	330	438	0.44	ng	0.00
14) 2-Fluorobiphenyl	13.45	172	4741	0.46	ng	0.00
26) Terphenyl-d14	20.17	244	6664	0.45	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.41	88	658	0.41	ng	# 92
3) n-Nitrosodimethylamine	3.78	42	651	0.52	ng	# 94
6) bis(2-Chloroethyl)ether	7.59	93	1148	0.45	ng	97
9) Naphthalene	10.99	128	5589	0.45	ng	97
10) Hexachlorobutadiene	11.28	225	841	0.43	ng	100
11) 2-Methylnaphthalene	12.64	142	3670	0.44	ng	92
15) Acenaphthylene	14.53	152	27077	0.43	ng	100
16) Acenaphthene	14.88	154	4405	0.45	ng	97
17) Fluorene	15.87	166	5397	0.43	ng	98
19) Hexachlorobenzene	16.89	284	1837m	0.51	ng	
20) Pentachlorophenol	17.26	266	366	0.45	ng	98
21) Phenanthrene	17.60	178	9925	0.52	ng	# 95
22) Anthracene	17.72	178	8639m	0.47	ng	
23) Fluoranthene	19.61	202	42160	0.46	ng	99
25) Pyrene	19.97	202	49928	0.49	ng	99
27) Benzo(a)anthracene	21.72	228	52056m	0.45	ng	
28) Chrysene	21.77	228	48789m	0.46	ng	
29) Bis(2-ethylhexyl)phthalate	21.63	149	4332	0.44	ng	# 76
30) Indeno(1,2,3-cd)pyrene	26.62	276	44461	0.40	ng	98
32) Benzo(b)fluoranthene	23.38	252	10639	0.46	ng	99
33) Benzo(k)fluoranthene	23.43	252	11052	0.45	ng	96
34) Benzo(a)pyrene	24.01	252	10233	0.45	ng	99
35) Dibenzo(a,h)anthracene	26.65	278	9005	0.43	ng	98
36) Benzo(g,h,i)perylene	27.38	276	38548	0.43	ng	99

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

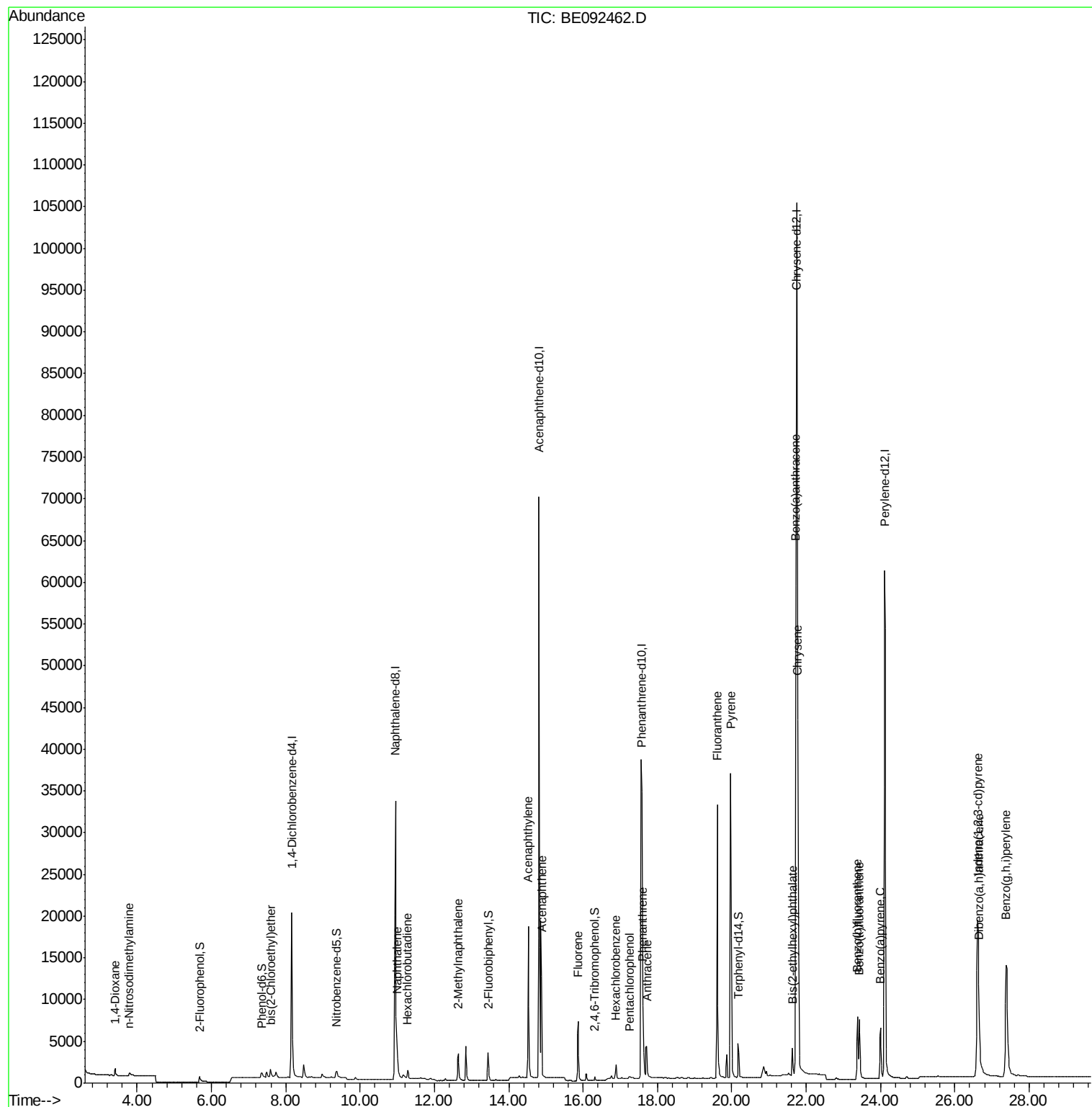
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101716\
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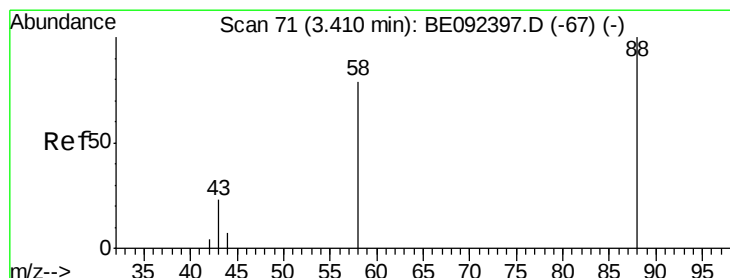
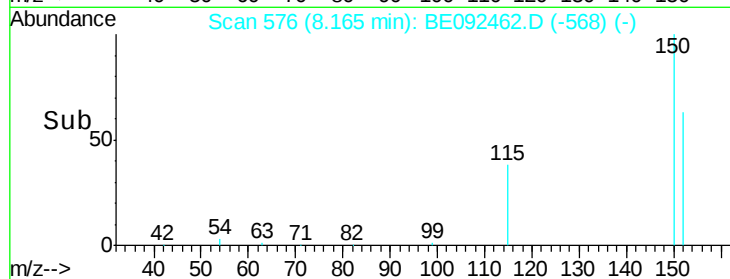
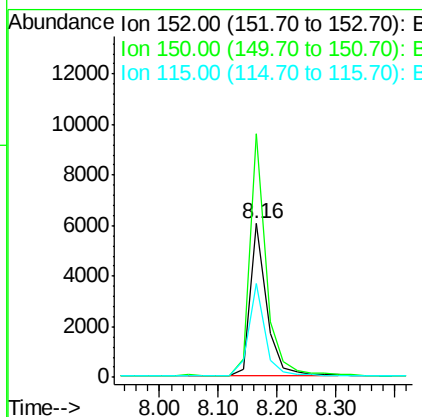
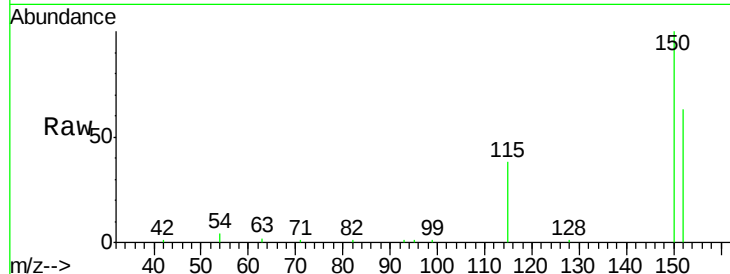
#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.16 min Scan# 576
 Delta R.T. -0.02 min
 Lab File: BE092462.D
 Acq: 17 Oct 2016 20:59

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.2	106.0	159.0
115	60.9	31.2	46.8

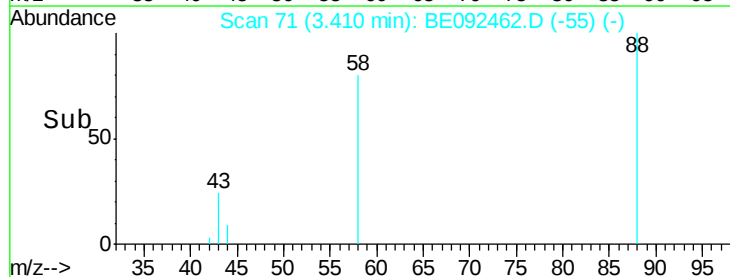
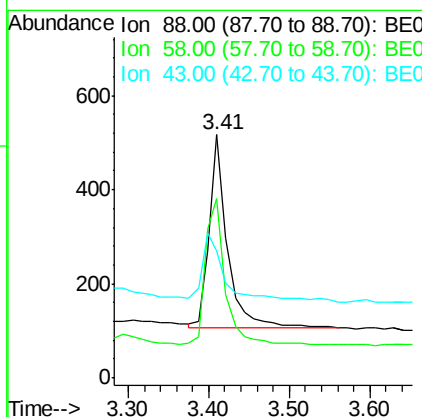
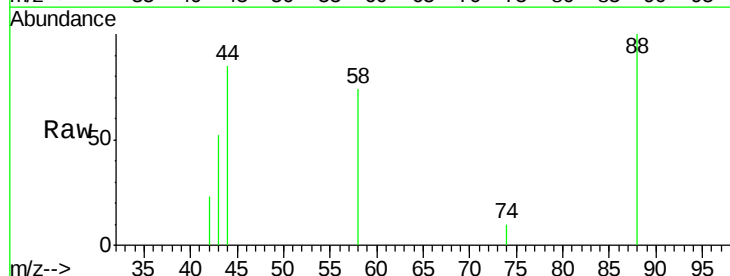
Manual Integrations
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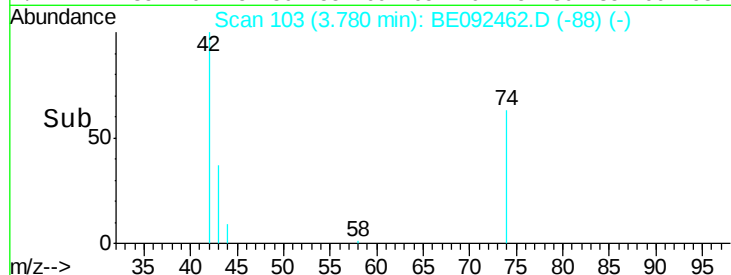
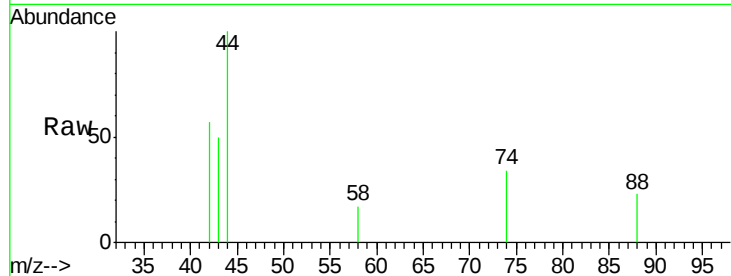
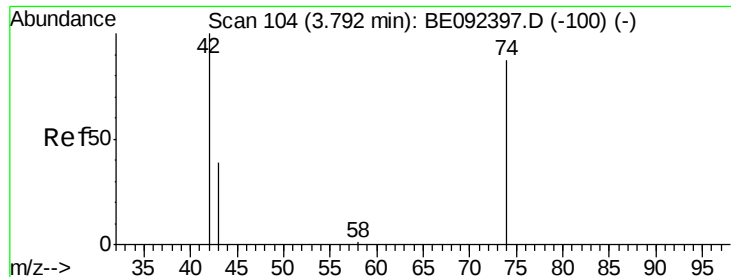
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#2
 1,4-Dioxane
 Concen: 0.41 ng
 RT: 3.41 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: BE092462.D
 Acq: 17 Oct 2016 20:59

Tgt Ion	Ratio	Lower	Upper
88	100		
58	81.2	63.6	95.4
43	46.8	28.0	42.0





#3

n-Nitrosodimethylamine

Concen: 0.52 ng

RT: 3.78 min Scan# 103

Delta R.T. -0.02 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

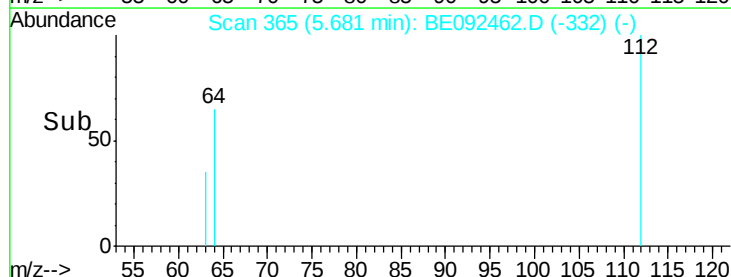
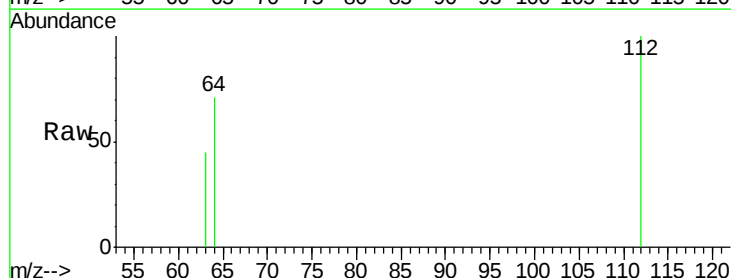
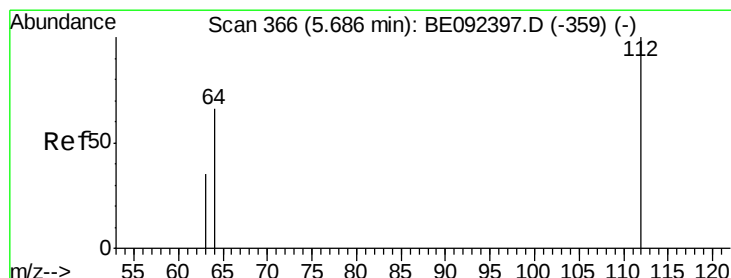
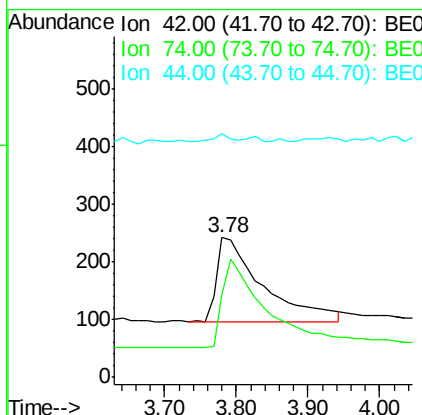
Tgt Ion: 42 Resp: 651

Ion	Ratio	Lower	Upper
42	100		
74	101.1	86.0	129.0
44	4.3	5.1	7.7#

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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#4

2-Fluorophenol

Concen: 0.45 ng

RT: 5.68 min Scan# 365

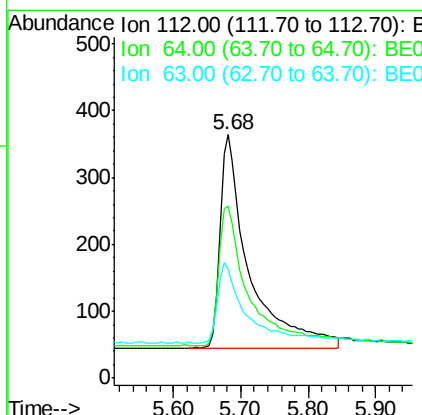
Delta R.T. -0.01 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

Tgt Ion: 112 Resp: 964

Ion	Ratio	Lower	Upper
112	100		
64	67.6	53.5	80.3
63	38.3	27.9	41.9





#5

Phenol-d6

Concen: 0.40 ng

RT: 7.36 min Scan# 541

Delta R.T. 0.00 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

Instrument :

BNA_E

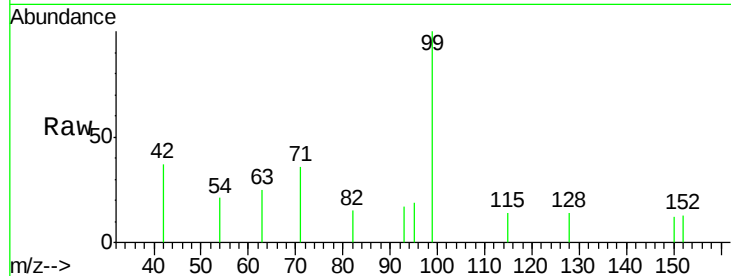
ClientSampleId :

SSTDCCC0.4EC

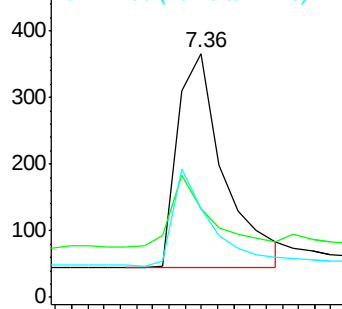
Tgt Ion:	99	Resp:	1270
Ion	Ratio	Lower	Upper
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

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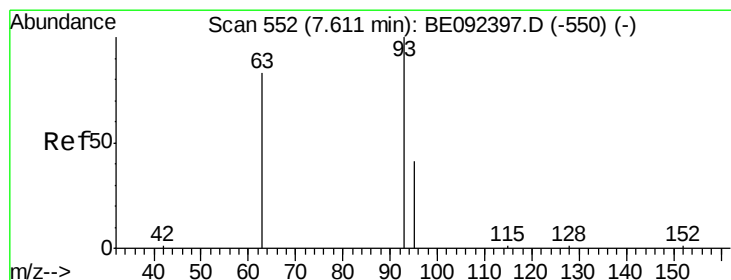
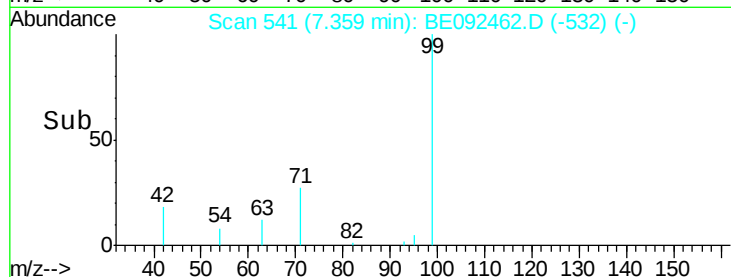
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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.45 ng

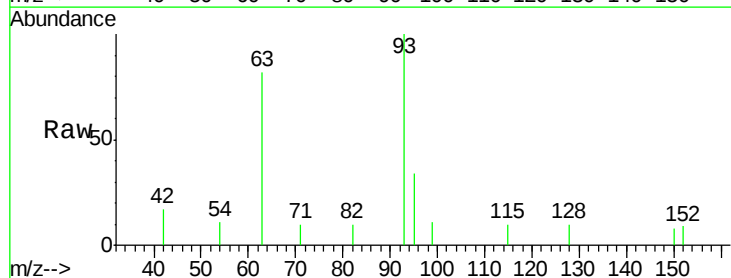
RT: 7.59 min Scan# 551

Delta R.T. -0.02 min

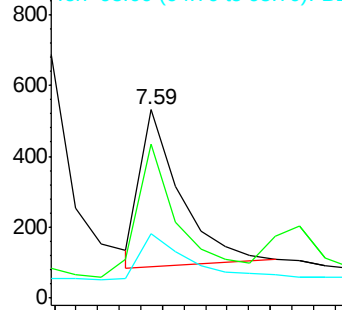
Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

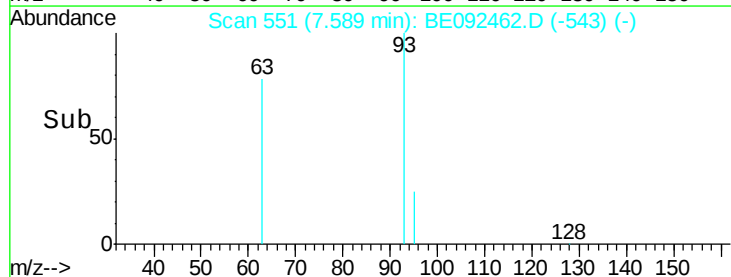
Tgt Ion:	93	Resp:	1148
Ion	Ratio	Lower	Upper
93	100		
63	90.1	71.6	107.4
95	35.7	24.0	36.0



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



Time-->





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

Instrument :

BNA_E

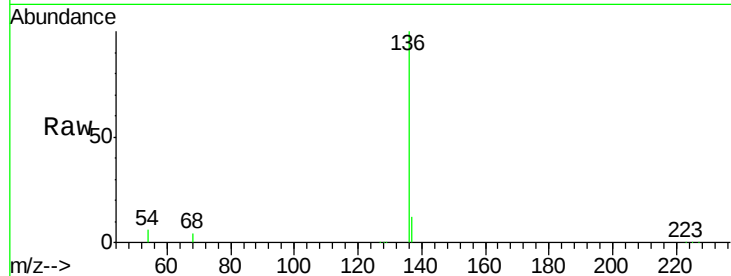
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.2	12.4
54	5.8	9.6	14.4#
68	4.5	6.7	10.1#

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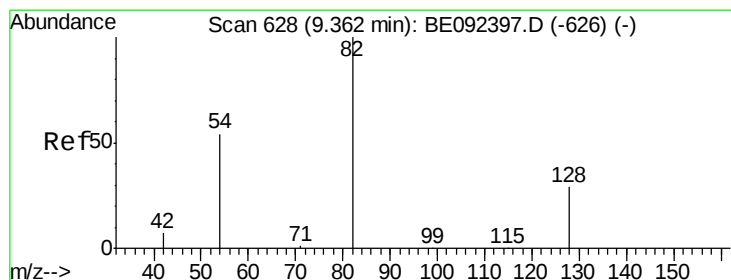
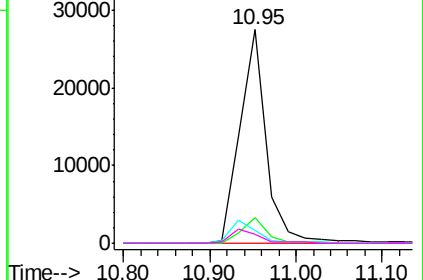
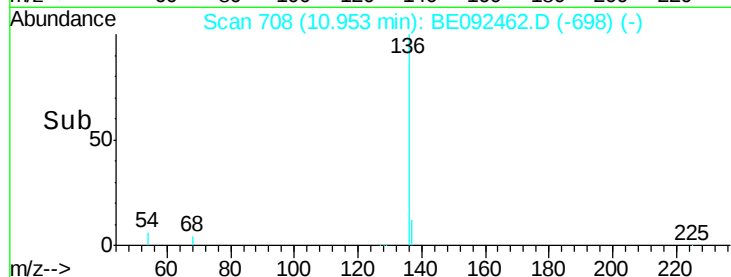


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.48 ng

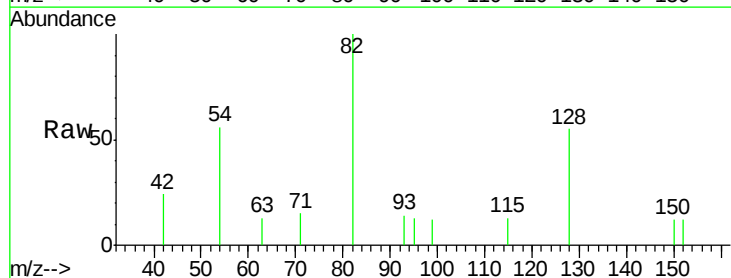
RT: 9.36 min Scan# 628

Delta R.T. 0.00 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

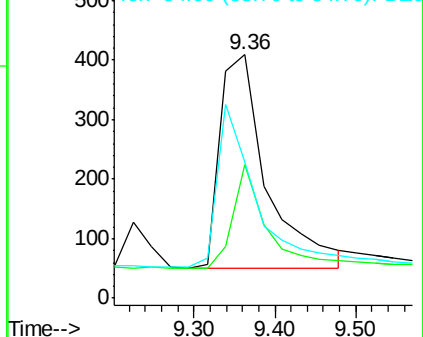
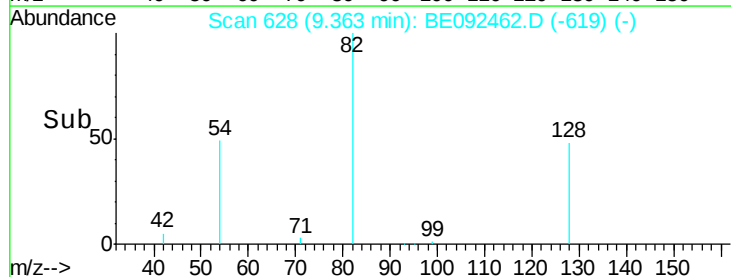
Tgt Ion	Ratio	Lower	Upper
82	100		
128	54.8	39.0	58.4
54	56.0	44.8	67.2



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.45 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

Instrument :

BNA_E

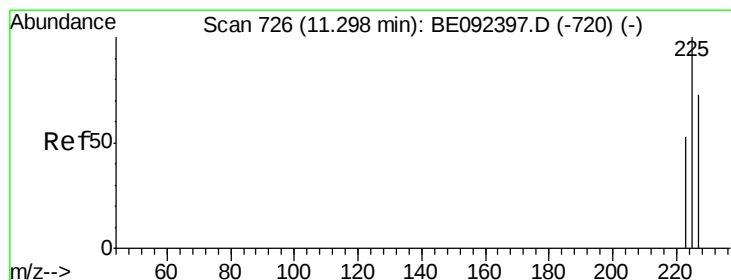
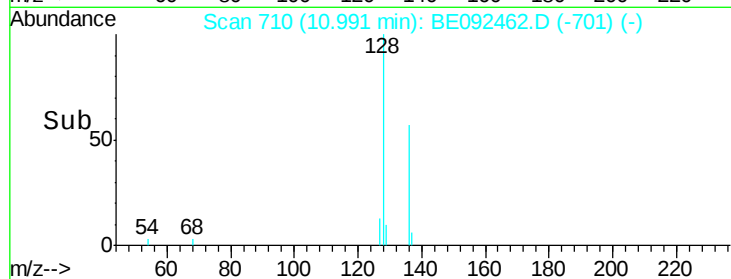
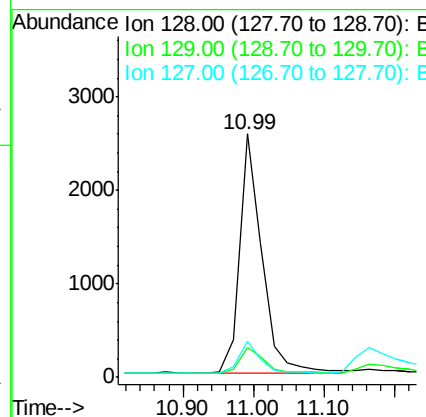
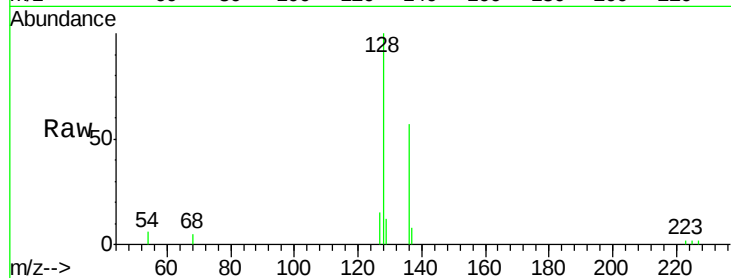
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:	128	Resp:	5589
Ion Ratio	Lower	Upper	
128	100		
129	12.1	11.2	16.8
127	14.9	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 0.43 ng

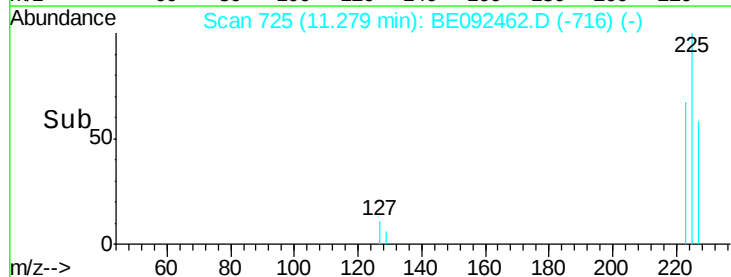
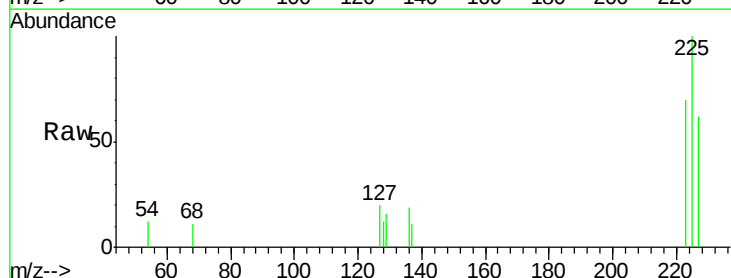
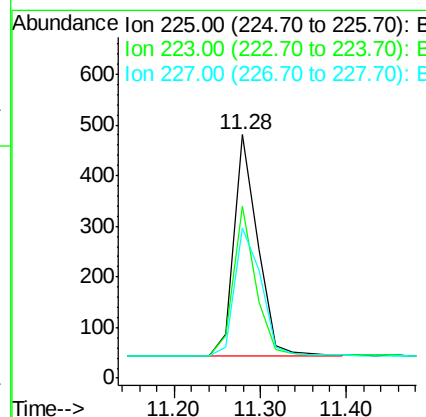
RT: 11.28 min Scan# 725

Delta R.T. -0.02 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

Tgt Ion:	225	Resp:	841
Ion Ratio	Lower	Upper	
225	100		
223	63.5	50.6	76.0
227	64.4	51.4	77.0





#11

2-Methylnaphthalene

Concen: 0.44 ng

RT: 12.64 min Scan# 815

Delta R.T. -0.01 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

Instrument :

BNA_E

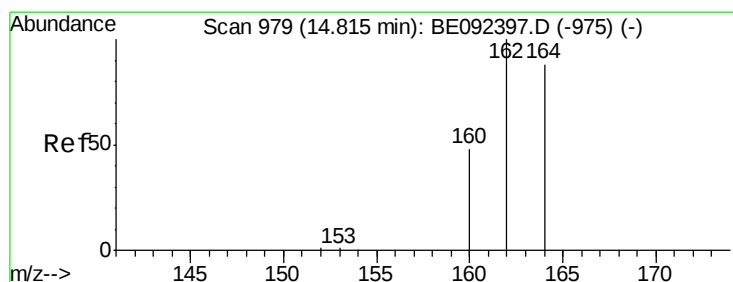
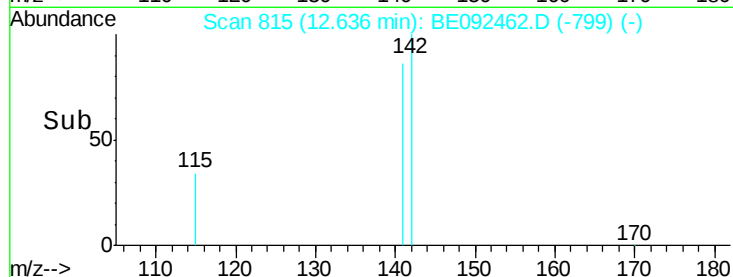
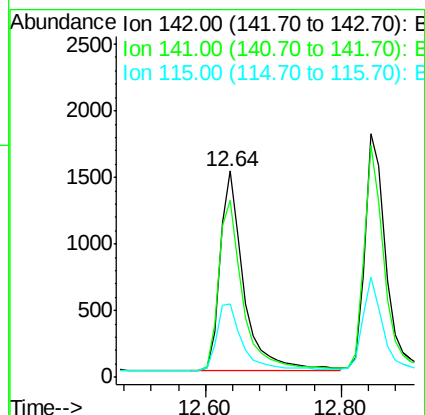
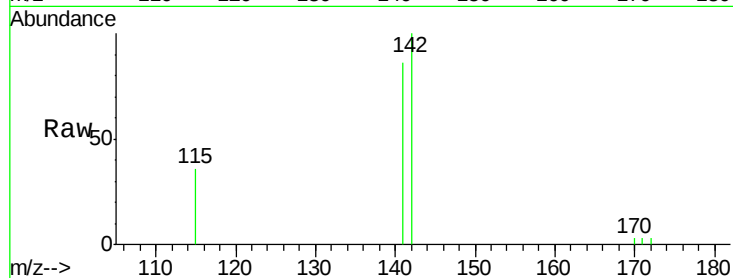
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:	142	Resp:	3670
Ion Ratio	Lower	Upper	
142	100		
141	85.9	73.7	110.5
115	35.7	34.0	51.0

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#12

Acenaphthene-d10

Concen: 5.00 ng

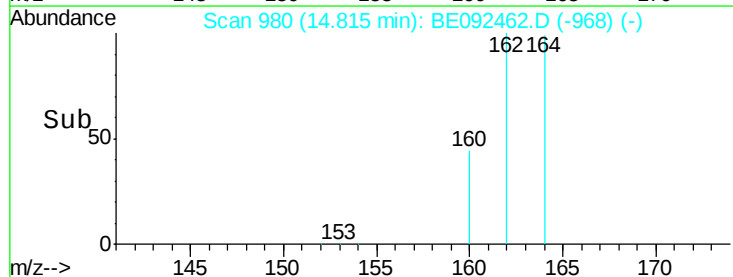
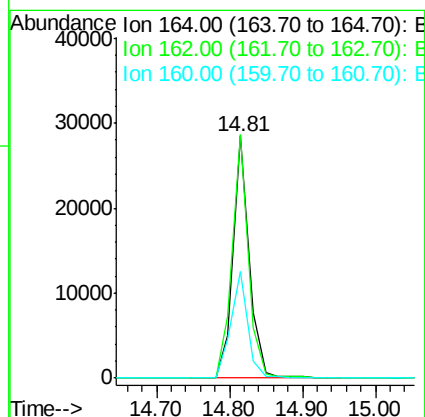
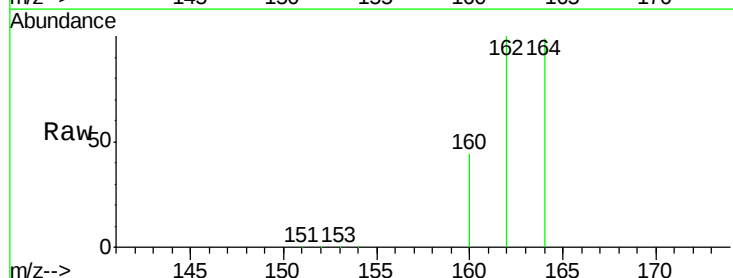
RT: 14.81 min Scan# 980

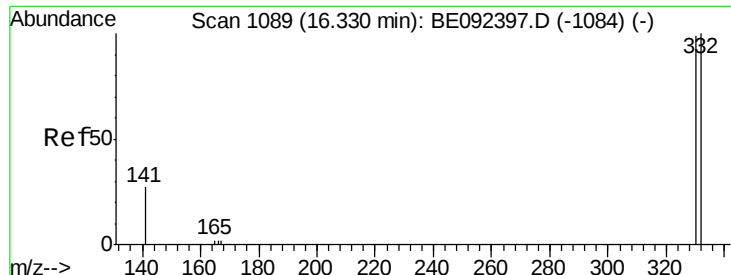
Delta R.T. -0.00 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

Tgt Ion:	164	Resp:	43154
Ion Ratio	Lower	Upper	
164	100		
162	100.7	71.4	107.0
160	44.0	27.4	41.2#





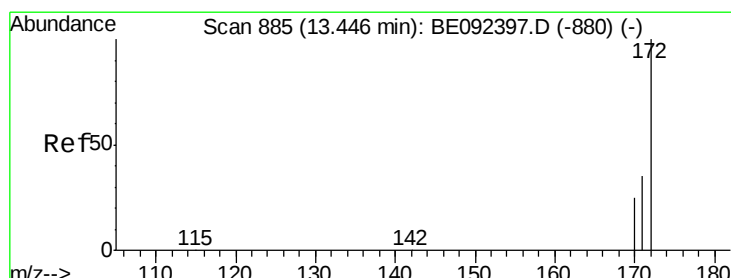
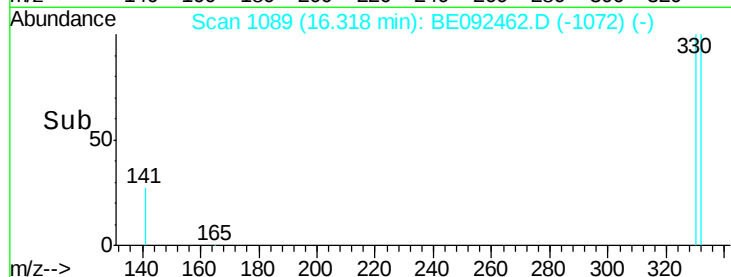
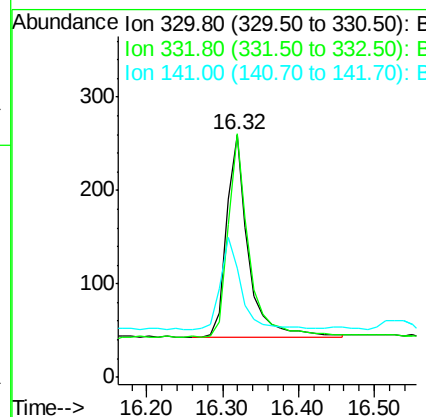
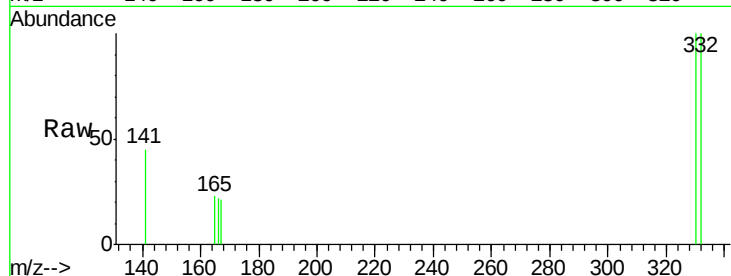
#13
 2,4,6-Tribromophenol
 Concen: 0.44 ng
 RT: 16.32 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: BE092462.D
 Acq: 17 Oct 2016 20:59

Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	75.4	113.0
141	43.4	31.0	46.6

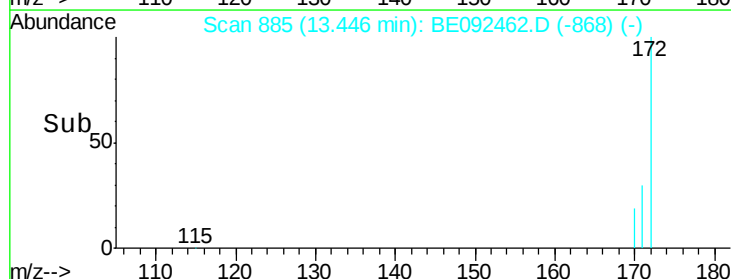
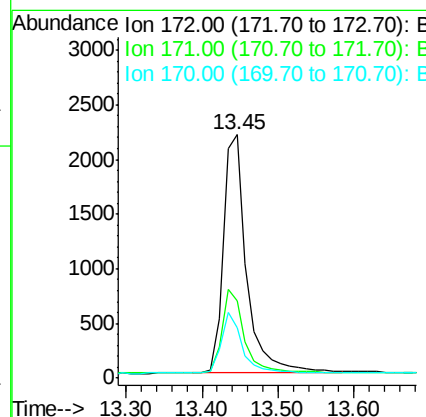
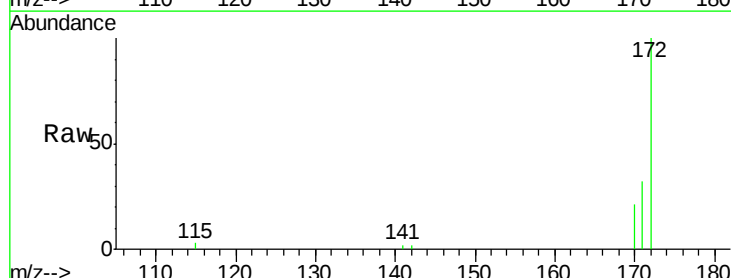
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#14
 2-Fluorobiphenyl
 Concen: 0.46 ng
 RT: 13.45 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: BE092462.D
 Acq: 17 Oct 2016 20:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.9	30.1	45.1
170	20.6	21.8	32.6#





#15

Acenaphthylene

Concen: 0.43 ng

RT: 14.53 min Scan# 963

Delta R.T. -0.00 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

Instrument :

BNA_E

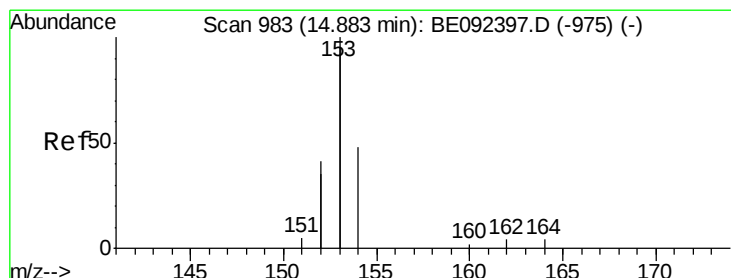
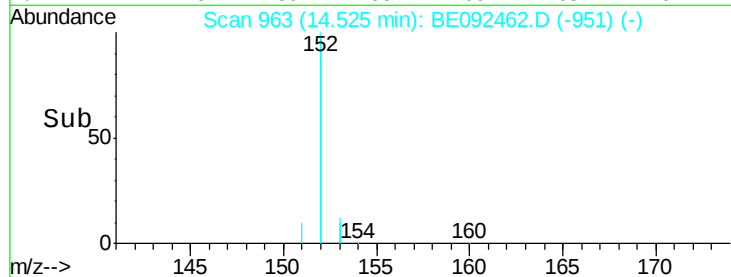
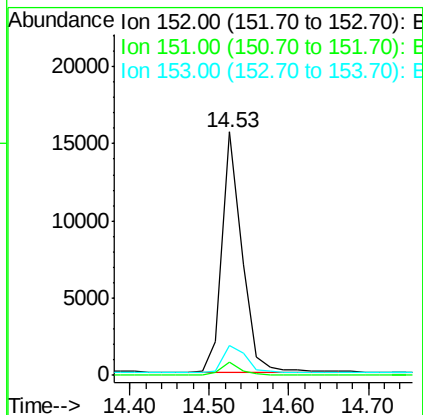
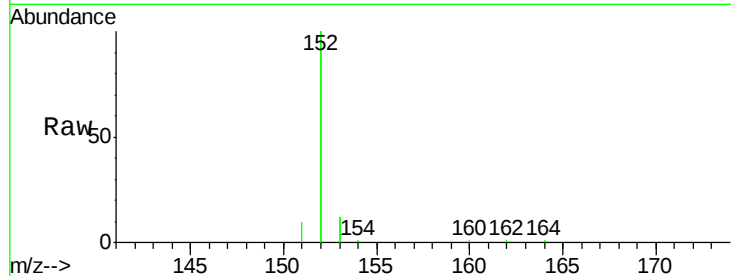
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:	152	Resp:	27077
Ion Ratio	Lower	Upper	
152	100		
151	4.8	3.9	5.9
153	13.1	10.4	15.6

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#16

Acenaphthene

Concen: 0.45 ng

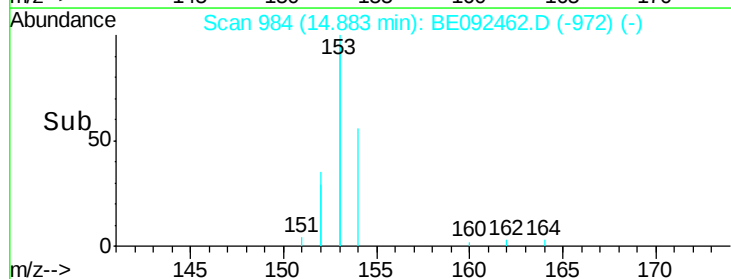
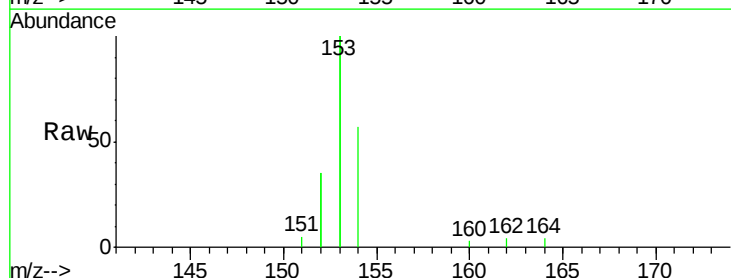
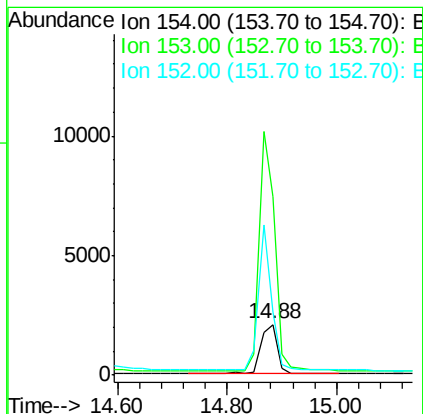
RT: 14.88 min Scan# 984

Delta R.T. -0.00 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

Tgt Ion:	154	Resp:	4405
Ion Ratio	Lower	Upper	
154	100		
153	440.3	350.8	526.2
152	225.1	171.1	256.7





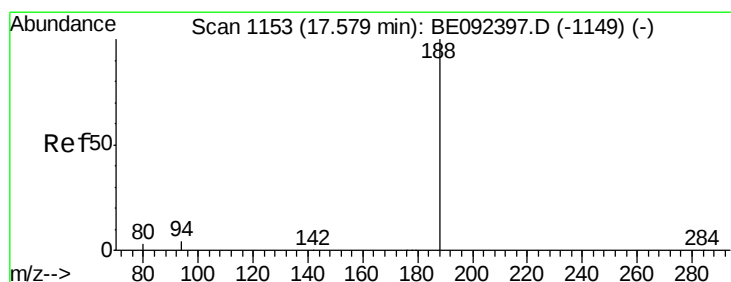
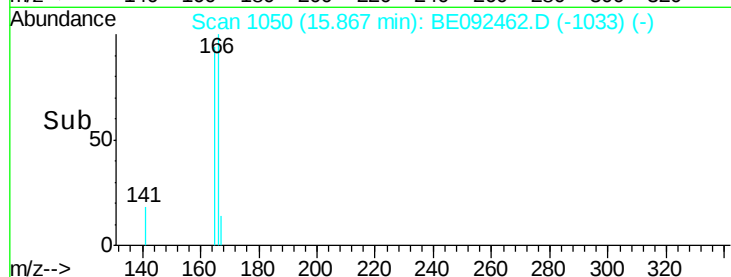
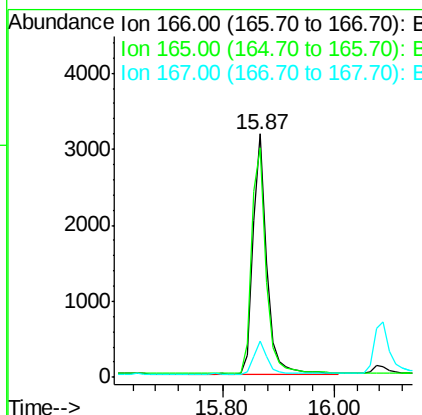
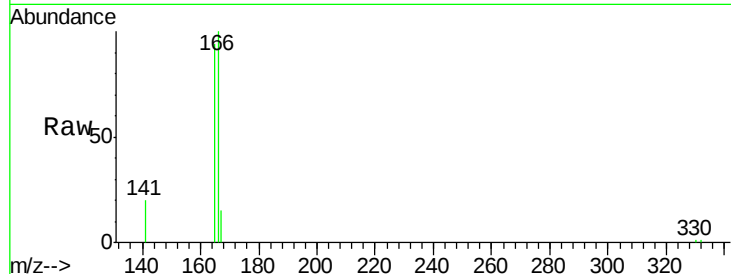
#17
Fluorene
 Concen: 0.43 ng
 RT: 15.87 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BE092462.D
 Acq: 17 Oct 2016 20:59

Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	78.2	117.4
167	13.3	11.0	16.4

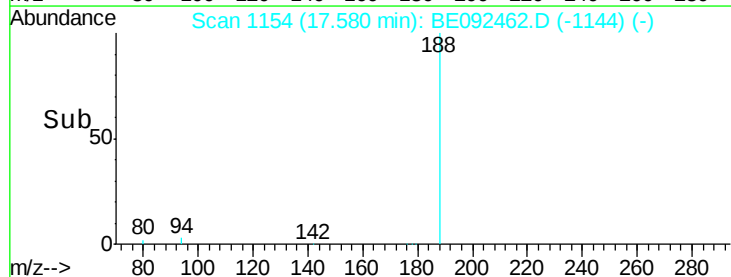
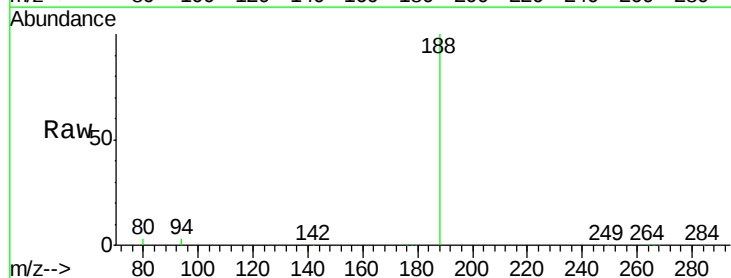
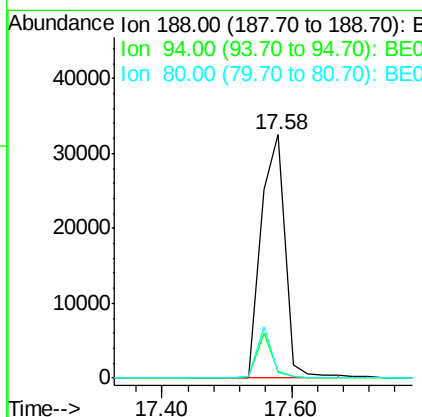
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. 0.02 min
 Lab File: BE092462.D
 Acq: 17 Oct 2016 20:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.0	3.2	4.8#
80	2.5	2.6	3.8#





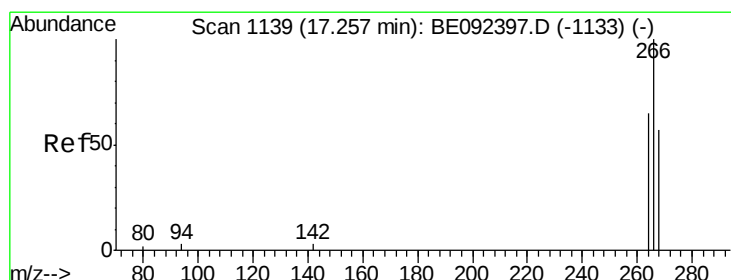
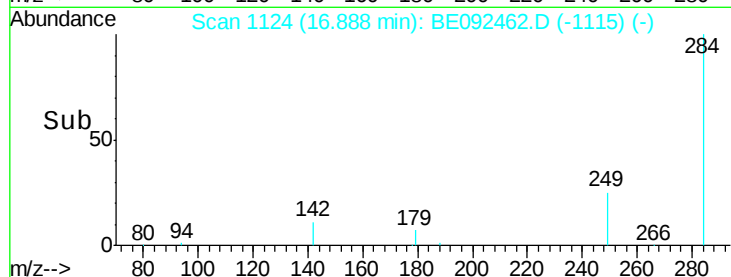
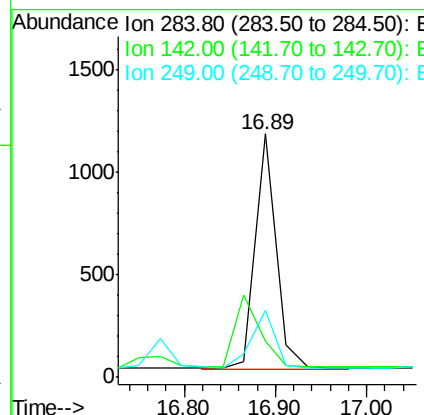
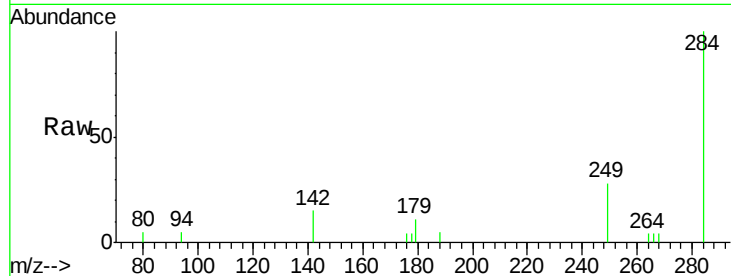
#19
Hexachlorobenzene
Concen: 0.51 ng m
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092462.D
Acq: 17 Oct 2016 20:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	1837		
142	0.0	29.1	43.7#	
249	27.7	27.9	41.9#	

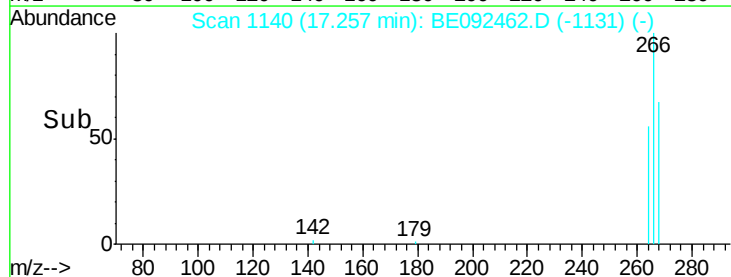
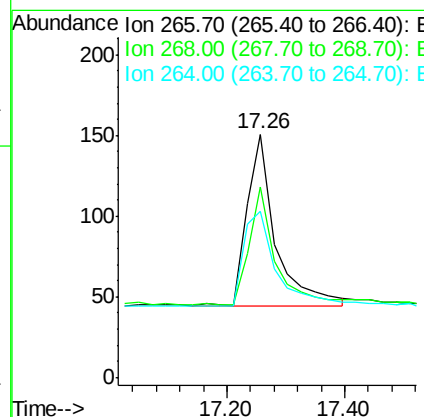
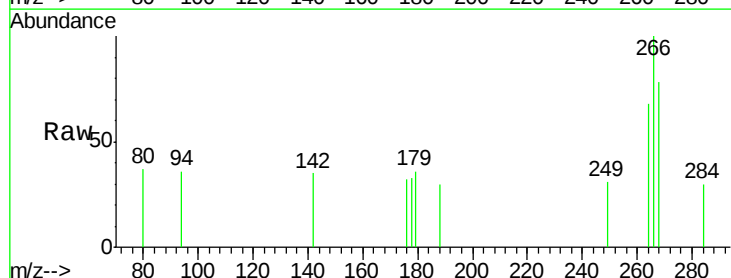
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#20
Pentachlorophenol
Concen: 0.45 ng
RT: 17.26 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BE092462.D
Acq: 17 Oct 2016 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	366		
268	78.1	62.5	93.7	
264	68.2	57.2	85.8	





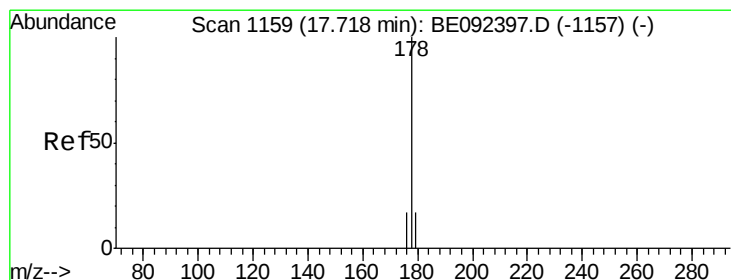
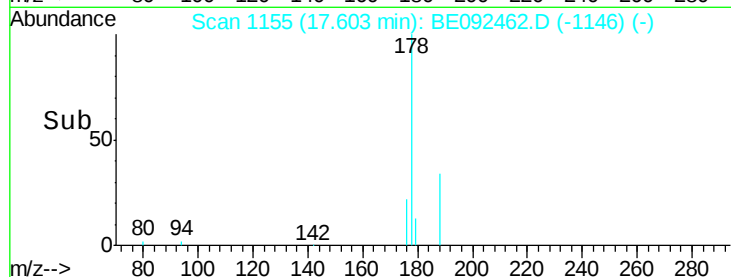
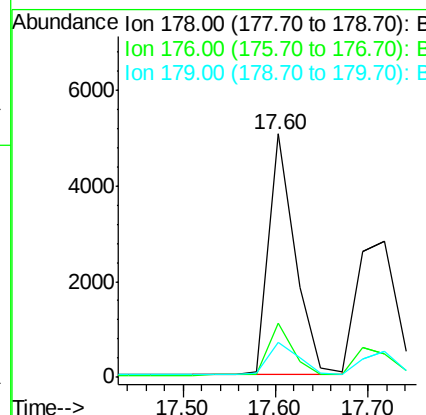
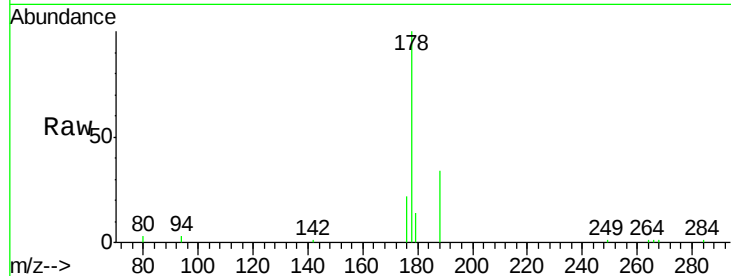
#21
Phenanthrene
Concen: 0.52 ng
RT: 17.60 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BE092462.D
Acq: 17 Oct 2016 20:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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

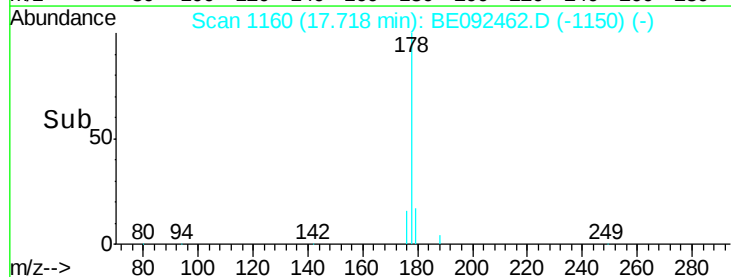
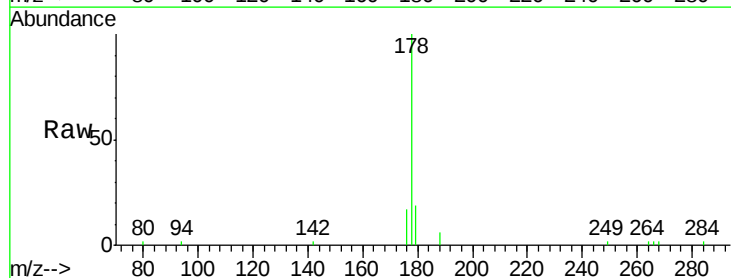
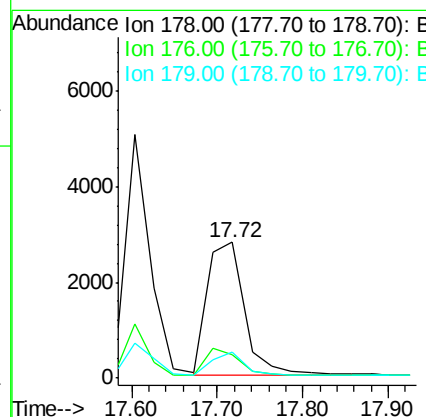
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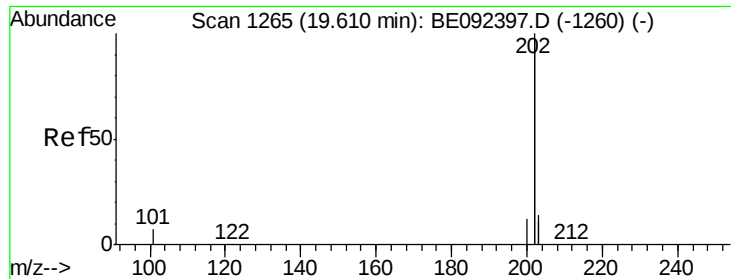
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#22
Anthracene
Concen: 0.47 ng m
RT: 17.72 min Scan# 1160
Delta R.T. 0.02 min
Lab File: BE092462.D
Acq: 17 Oct 2016 20:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	22.6	15.0	22.4#
179	16.6	12.2	18.2





#23

Fluoranthene

Concen: 0.46 ng

RT: 19.61 min Scan# 1266

Delta R.T. 0.00 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

Instrument :

BNA_E

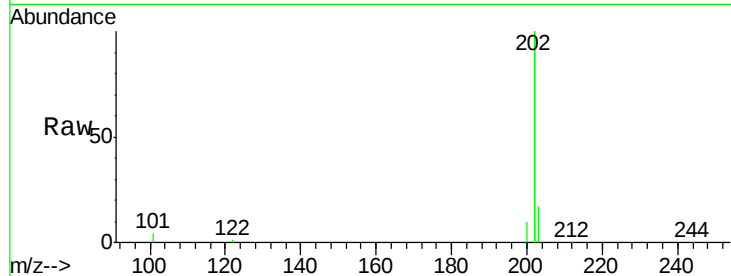
ClientSampleId :

SSTDCCC0.4EC

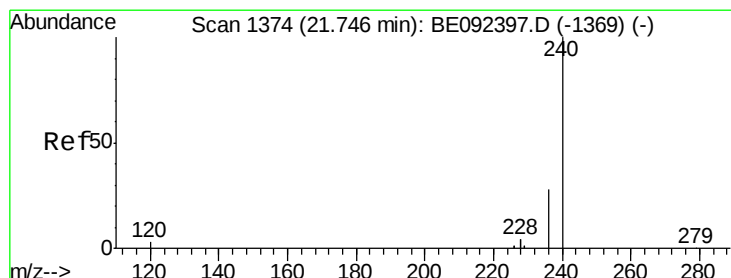
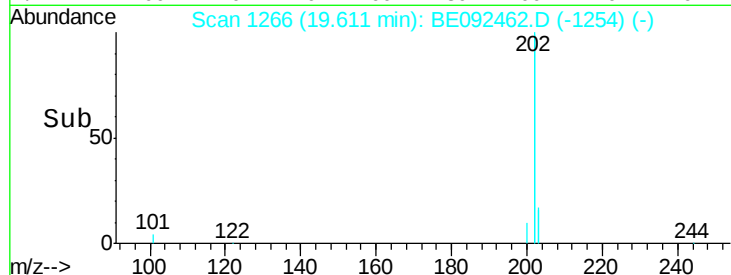
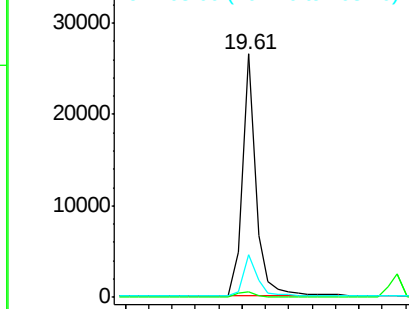
Tgt Ion:	202	Resp:	42160
Ion Ratio	Lower	Upper	
202	100		
101	2.7	2.2	3.4
203	17.4	13.7	20.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

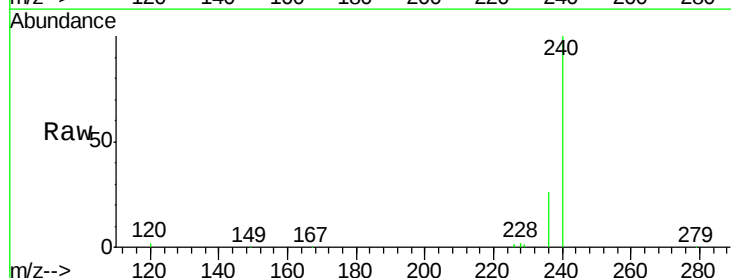
RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

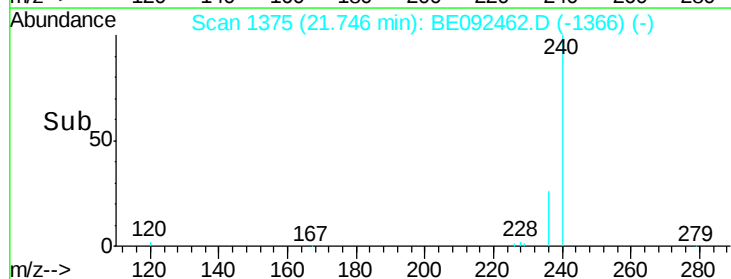
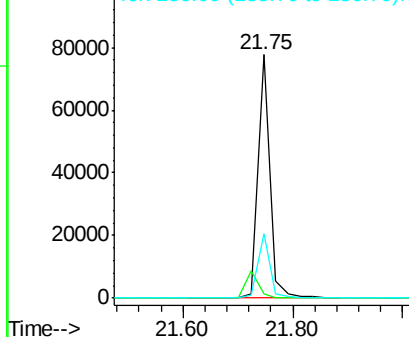
Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

Tgt Ion:	240	Resp:	118678
Ion Ratio	Lower	Upper	
240	100		
120	1.6	2.6	4.0#
236	26.5	24.6	37.0



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





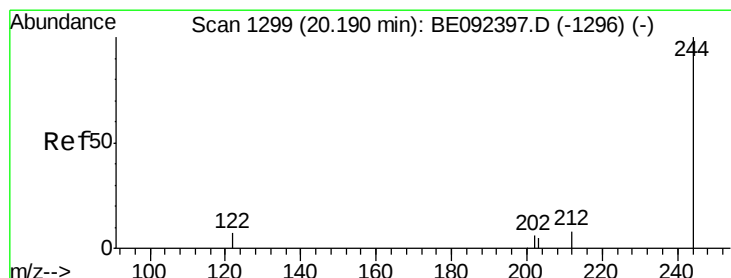
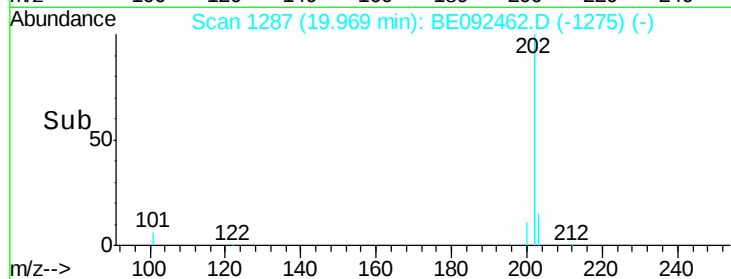
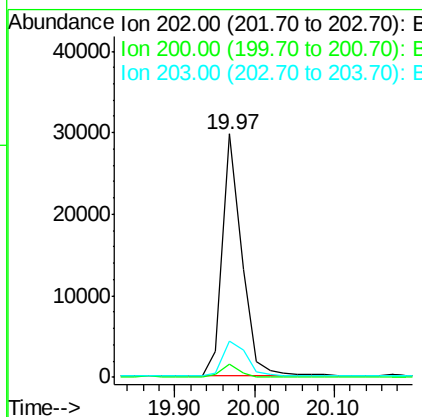
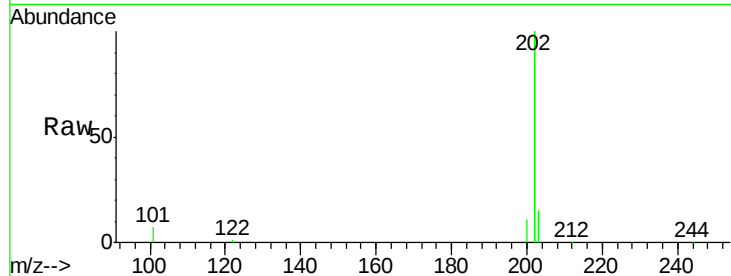
#25
 Pyrene
 Concen: 0.49 ng
 RT: 19.97 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: BE092462.D
 Acq: 17 Oct 2016 20:59

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	5.2	4.2	6.4
203	17.0	13.9	20.9

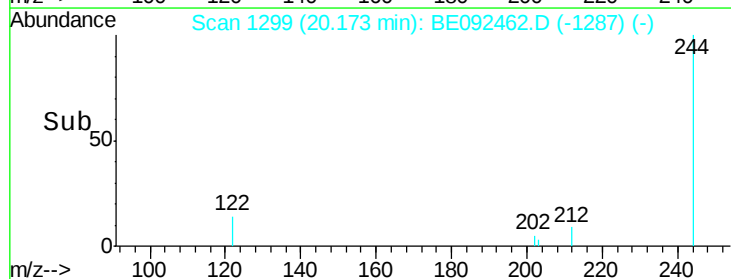
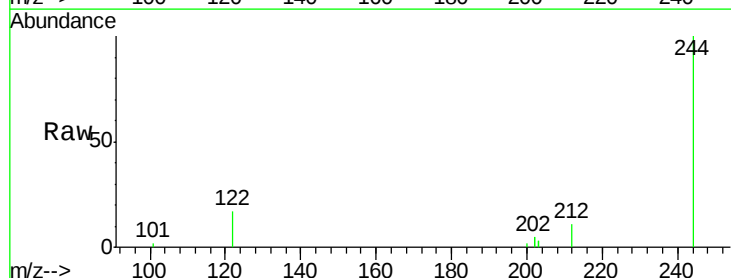
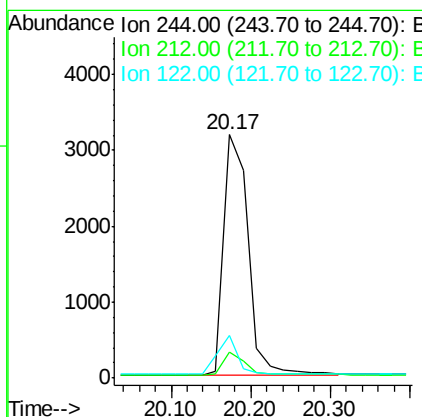
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#26
 Terphenyl-d14
 Concen: 0.45 ng
 RT: 20.17 min Scan# 1299
 Delta R.T. 0.00 min
 Lab File: BE092462.D
 Acq: 17 Oct 2016 20:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	10.9	6.7	10.1#
122	17.3	3.6	5.4#





#27

Benzo(a)anthracene

Concen: 0.45 ng m

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

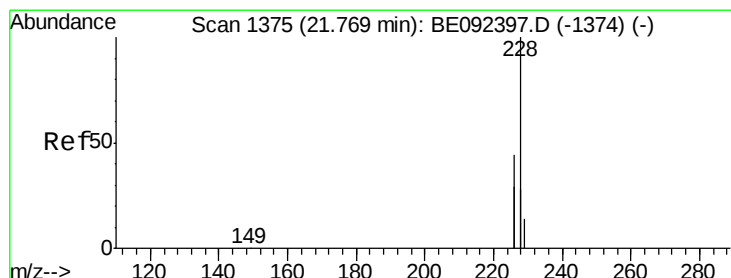
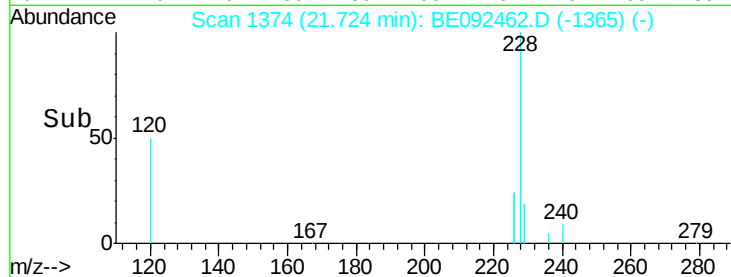
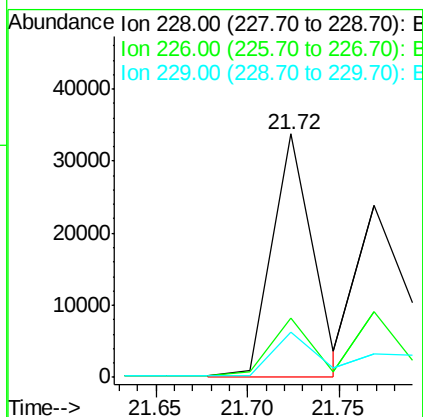
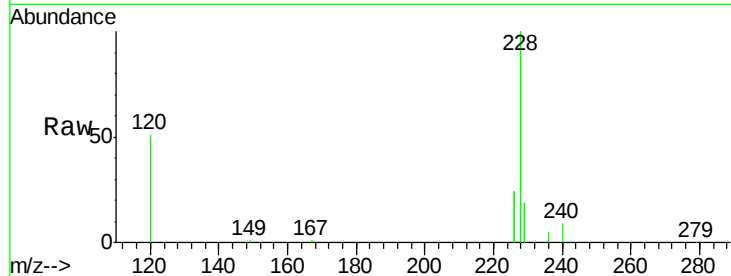
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 52056

Ion	Ratio	Lower	Upper
228	100		
226	24.4	23.6	35.4
229	18.8	13.3	19.9

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#28

Chrysene

Concen: 0.46 ng m

RT: 21.77 min Scan# 1376

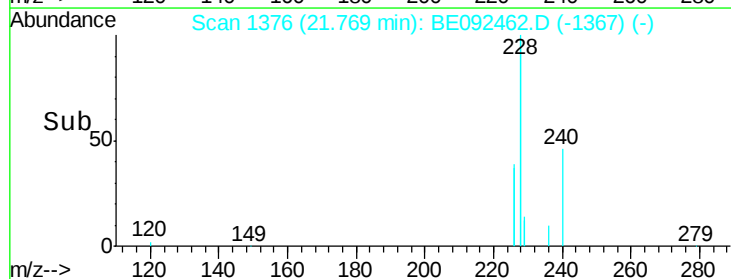
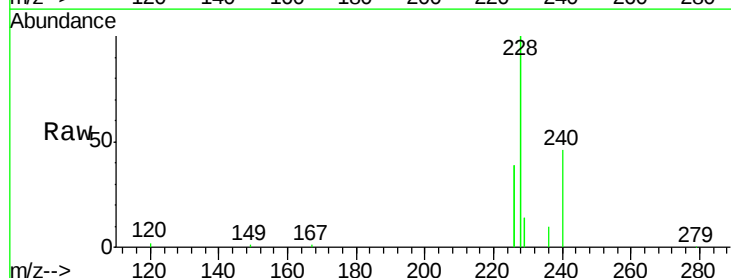
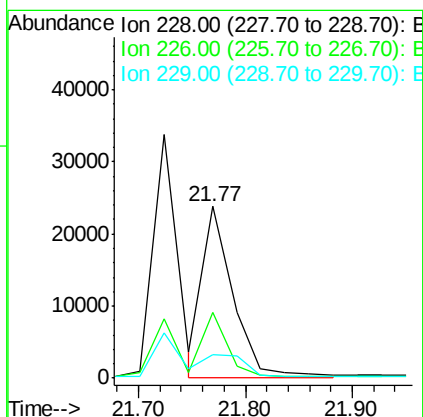
Delta R.T. 0.00 min

Lab File: BE092462.D

Acq: 17 Oct 2016 20:59

Tgt Ion:228 Resp: 48789

Ion	Ratio	Lower	Upper
228	100		
226	38.6	36.3	54.5
229	13.9	10.6	16.0





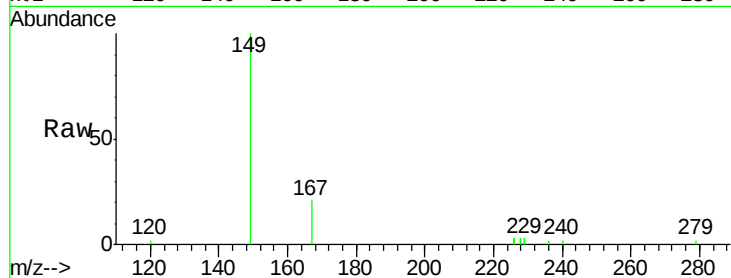
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 0.44 ng
 RT: 21.63 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: BE092462.D
 Acq: 17 Oct 2016 20:59

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

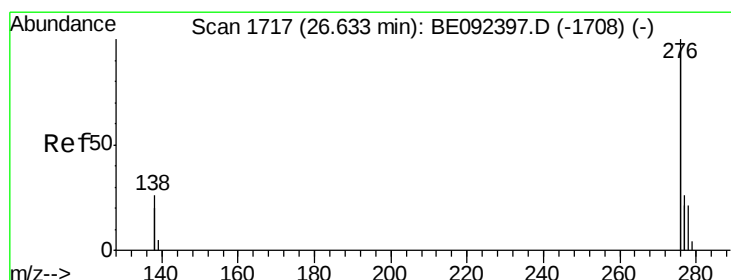
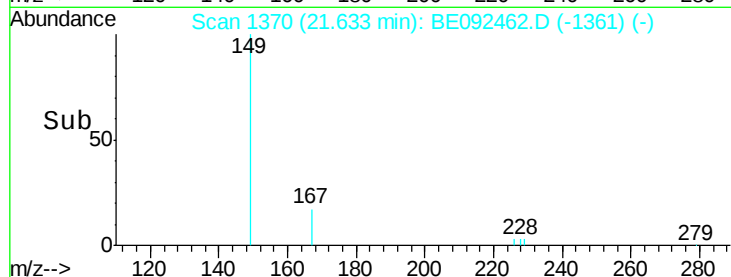
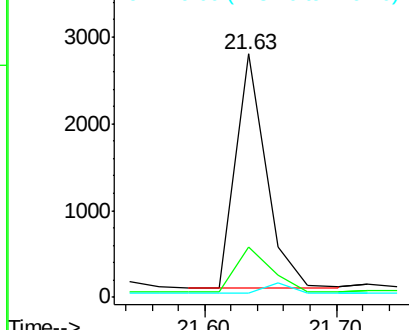
Tgt Ion	Ratio	Lower	Upper
149	100		
167	22.5	16.0	24.0
279	0.0	16.0	24.0

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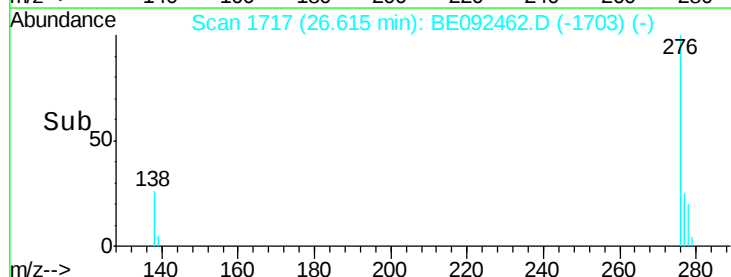
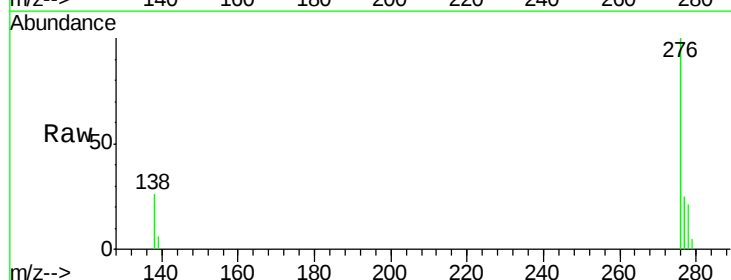
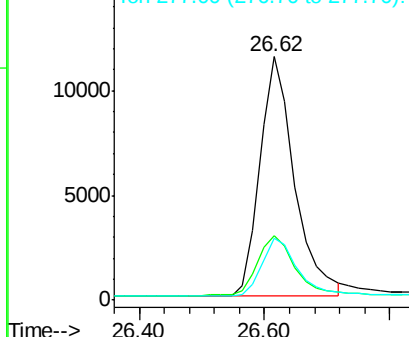
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#30
 Indeno(1,2,3-cd)pyrene
 Concen: 0.40 ng
 RT: 26.62 min Scan# 1717
 Delta R.T. 0.03 min
 Lab File: BE092462.D
 Acq: 17 Oct 2016 20:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.2	20.3	30.5
277	24.7	19.7	29.5

Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E





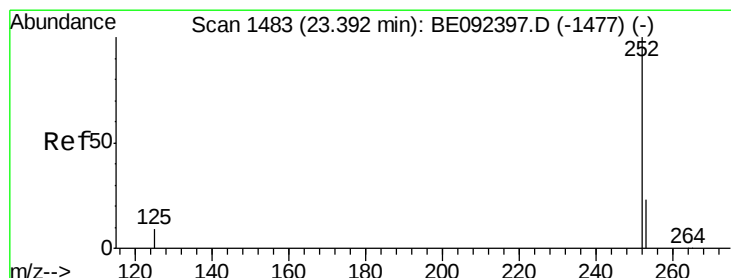
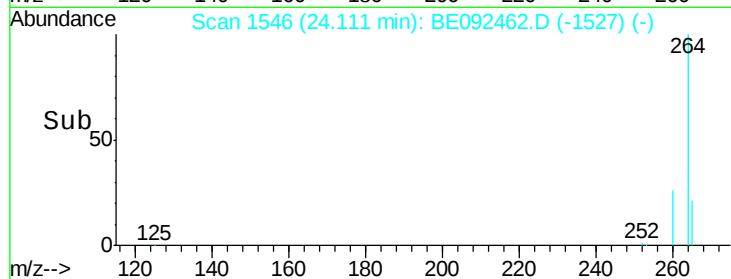
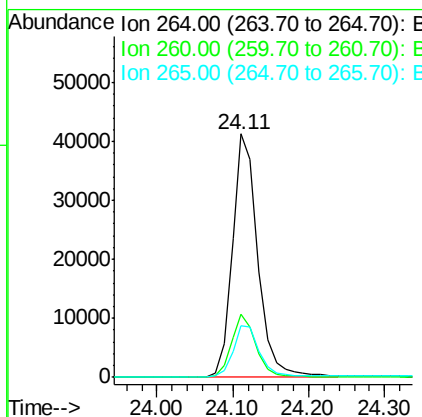
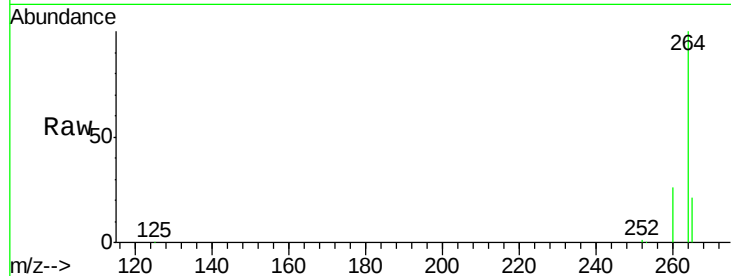
#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.11 min Scan# 1546
 Delta R.T. 0.02 min
 Lab File: BE092462.D
 Acq: 17 Oct 2016 20:59

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	20.1	30.1
265	21.2	17.9	26.9

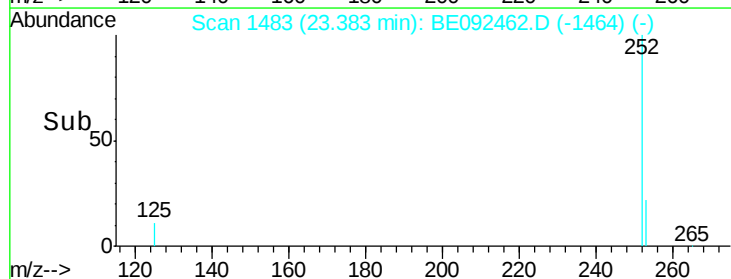
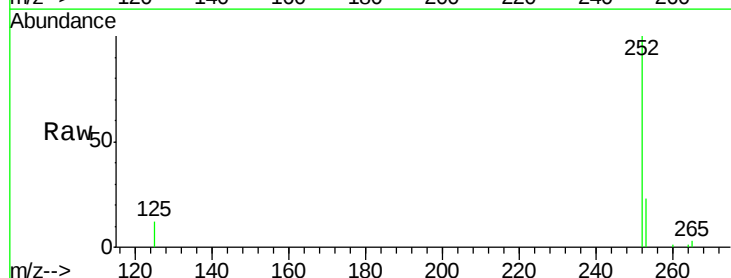
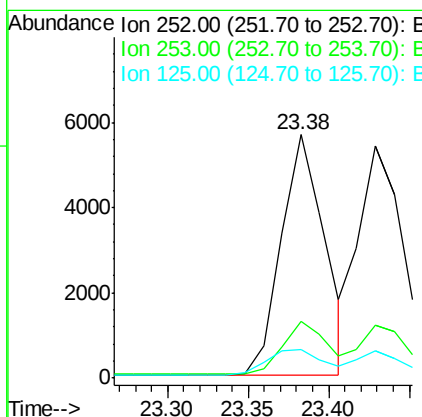
Manual Integrations
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#32
 Benzo(b)fluoranthene
 Concen: 0.46 ng
 RT: 23.38 min Scan# 1483
 Delta R.T. 0.02 min
 Lab File: BE092462.D
 Acq: 17 Oct 2016 20:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.7	28.1
125	11.9	10.5	15.7





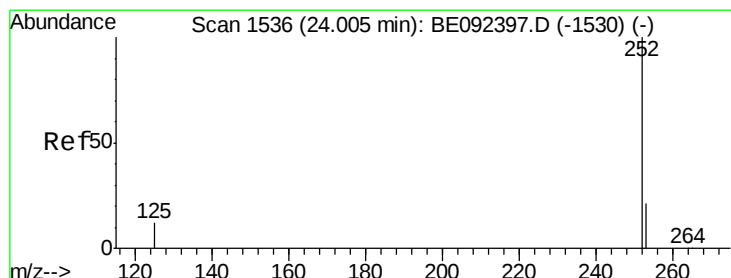
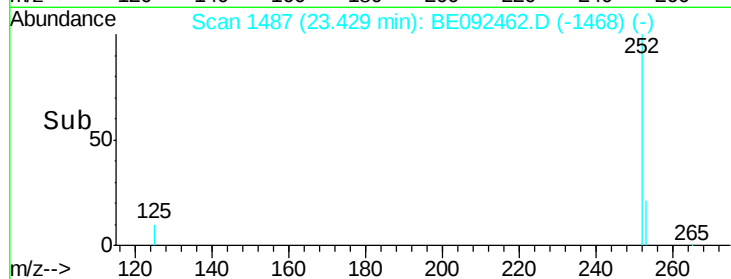
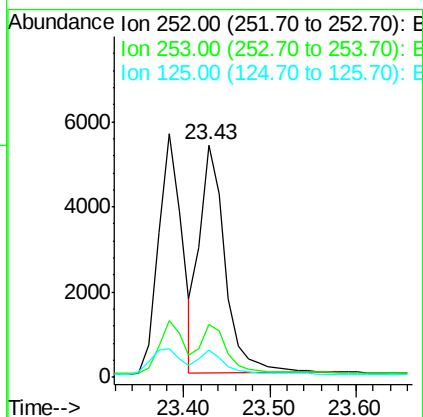
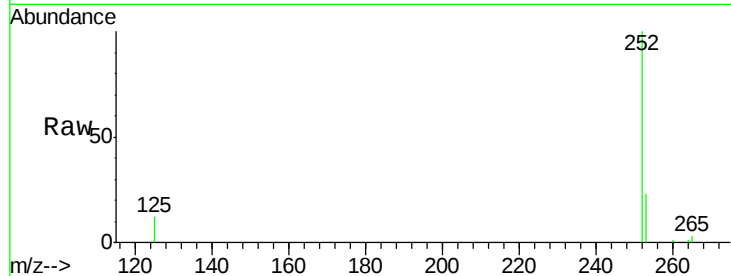
#33
Benzo(k)fluoranthene
Concen: 0.45 ng
RT: 23.43 min Scan# 1487
Delta R.T. 0.02 min
Lab File: BE092462.D
Acq: 17 Oct 2016 20:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

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

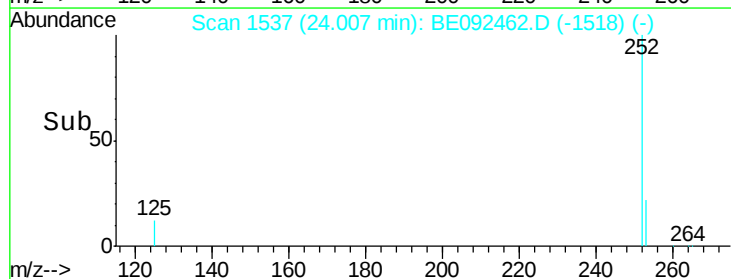
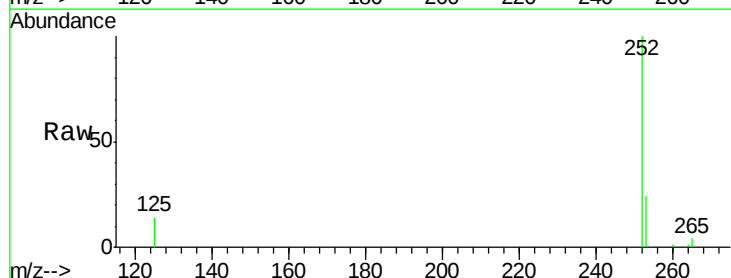
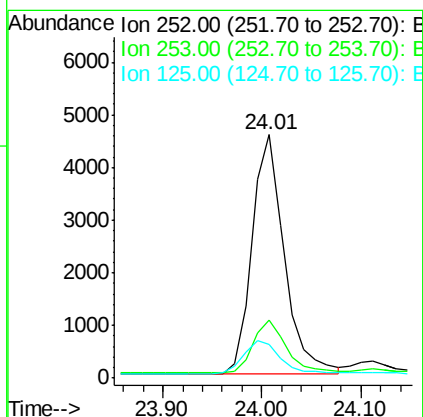
Manual Integrations
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#34
Benzo(a)pyrene
Concen: 0.45 ng
RT: 24.01 min Scan# 1537
Delta R.T. 0.02 min
Lab File: BE092462.D
Acq: 17 Oct 2016 20:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.0	28.6
125	13.6	11.8	17.8





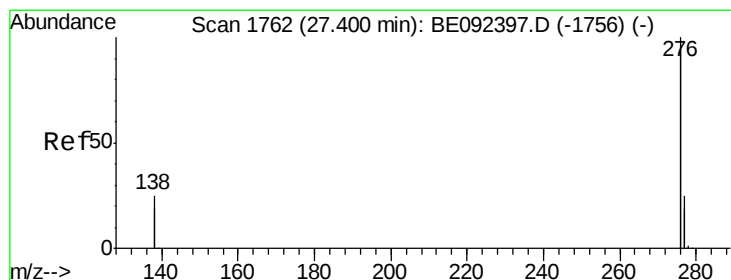
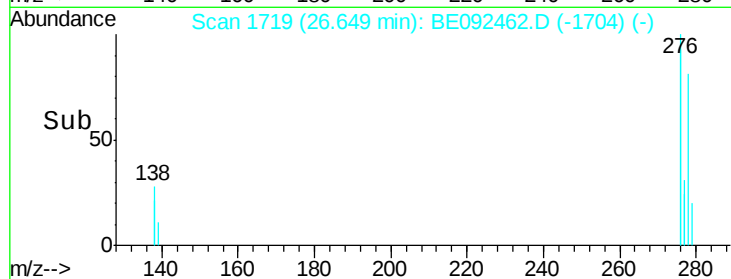
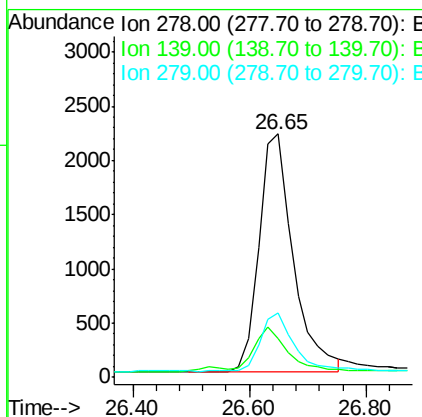
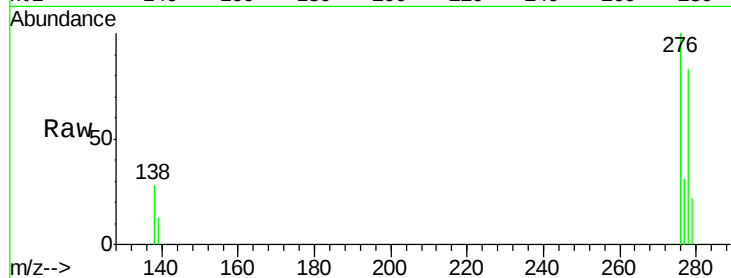
#35
Dibenzo(a,h)anthracene
Concen: 0.43 ng
RT: 26.65 min Scan# 1719
Delta R.T. 0.05 min
Lab File: BE092462.D
Acq: 17 Oct 2016 20:59

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.8	20.8
279	26.3	21.4	32.2

Manual Integrations
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#36
Benzo(g,h,i)perylene
Concen: 0.43 ng
RT: 27.38 min Scan# 1762
Delta R.T. 0.03 min
Lab File: BE092462.D
Acq: 17 Oct 2016 20:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.8
138	25.6	19.8	29.6

