

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102116\
 Data File : BE092469.D
 Acq On : 21 Oct 2016 16:23
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

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Quant Time: Oct 21 17:30:58 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 17:26:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	12839	5.00	ng	0.00
7) Naphthalene-d8	10.95	136	64929	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	47232	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	92356	5.00	ng	0.00
24) Chrysene-d12	21.75	240	128009	5.00	ng	0.00
31) Perylene-d12	24.12	264	105403	5.00	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.68	112	891	0.40	ng	0.00
5) Phenol-d6	7.36	99	1202	0.36	ng	0.00
8) Nitrobenzene-d5	9.36	82	1432	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	4745	0.42	ng	0.00
26) Terphenyl-d14	20.17	244	6476	0.41	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.41	88	634	0.36	ng	95
3) n-Nitrosodimethylamine	3.79	42	607	0.48	ng	# 93
6) bis(2-Chloroethyl)ether	7.59	93	1113	0.41	ng	97
9) Naphthalene	10.99	128	5570	0.40	ng	97
10) Hexachlorobutadiene	11.28	225	850	0.38	ng	100
11) 2-Methylnaphthalene	12.64	142	3647	0.39	ng	94
15) Acenaphthylene	14.53	152	26825	0.39	ng	100
16) Acenaphthene	14.88	154	4392	0.41	ng	97
17) Fluorene	15.87	166	5301	0.39	ng	99
19) Hexachlorobenzene	16.89	284	1704	0.43	ng	# 65
20) Pentachlorophenol	17.26	266	310	0.39	ng	99
21) Phenanthrene	17.60	178	9527	0.45	ng	# 95
22) Anthracene	17.72	178	9130m	0.45	ng	
23) Fluoranthene	19.61	202	40625	0.40	ng	99
25) Pyrene	19.97	202	47550	0.43	ng	100
27) Benzo(a)anthracene	21.72	228	49841m	0.40	ng	
28) Chrysene	21.77	228	46724m	0.41	ng	
29) Bis(2-ethylhexyl)phthalate	21.63	149	3709	0.35	ng	# 56
30) Indeno(1,2,3-cd)pyrene	26.62	276	44137	0.36	ng	97
32) Benzo(b)fluoranthene	23.38	252	10068	0.39	ng	98
33) Benzo(k)fluoranthene	23.44	252	11212	0.42	ng	98
34) Benzo(a)pyrene	24.01	252	10023	0.40	ng	99
35) Dibenzo(a,h)anthracene	26.65	278	8973	0.39	ng	98
36) Benzo(g,h,i)perylene	27.40	276	37325	0.38	ng	98

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

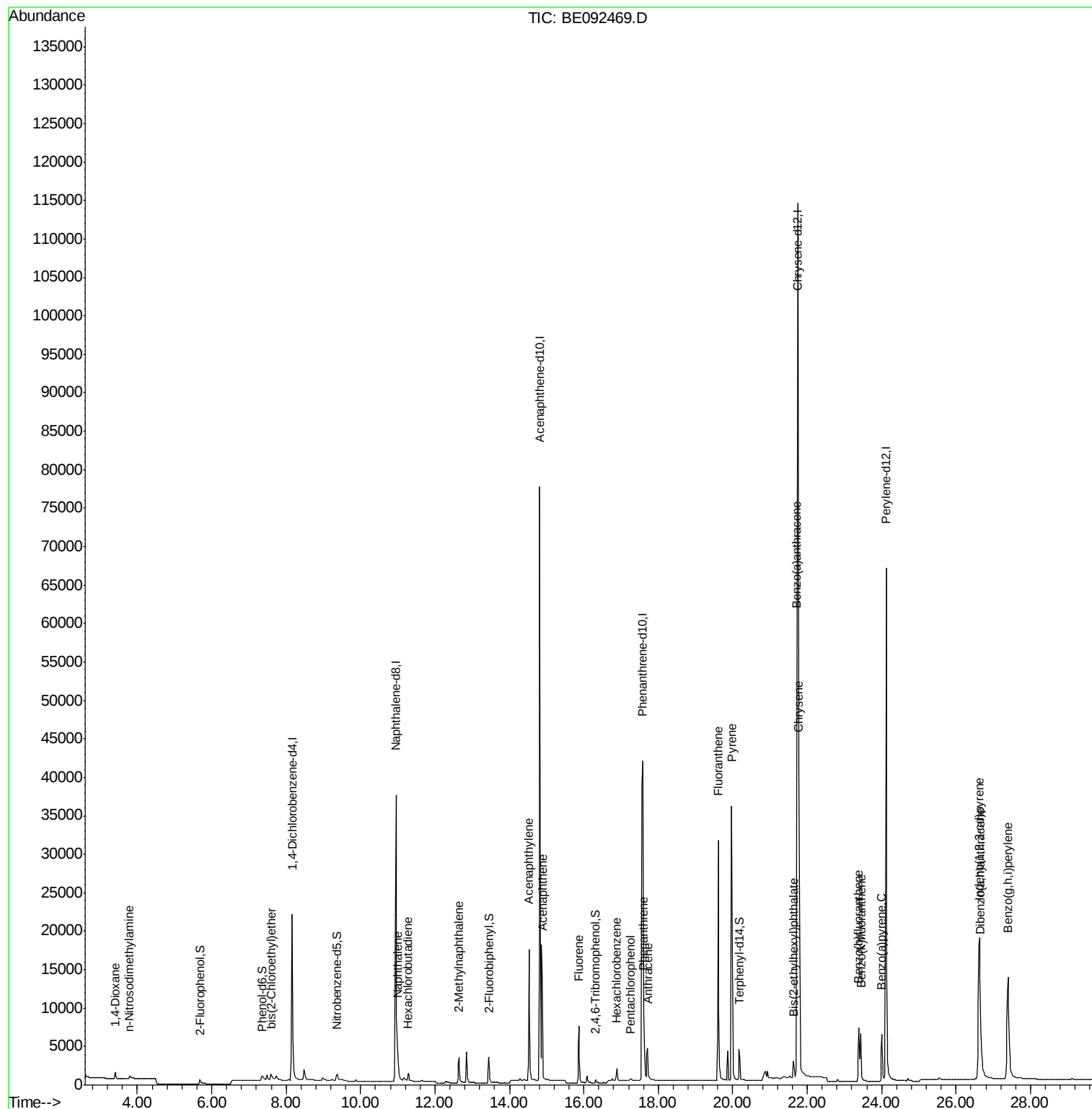
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102116\
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QLast Update : Fri Oct 21 17:26:45 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Instrument :

BNA_E

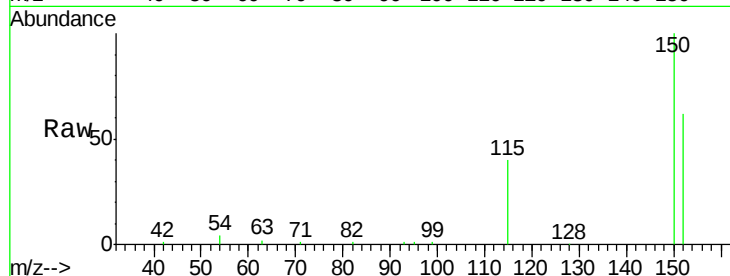
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
152	100		
150	161.3	106.0	159.0#
115	64.6	31.2	46.8#

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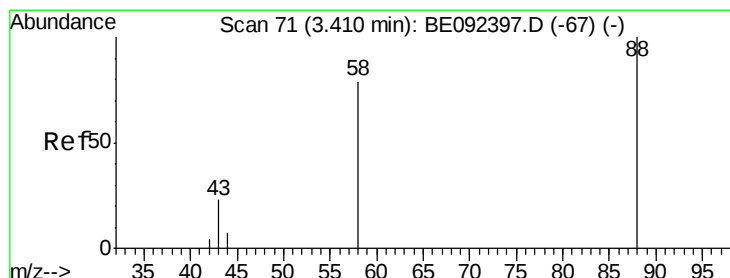
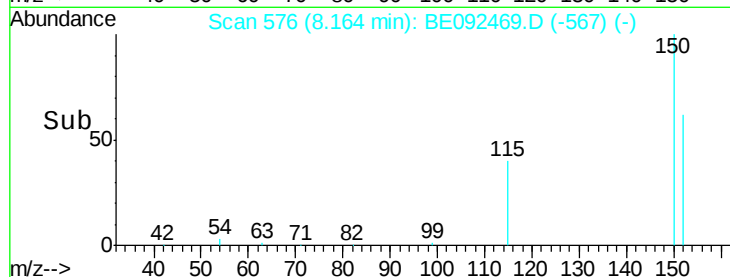
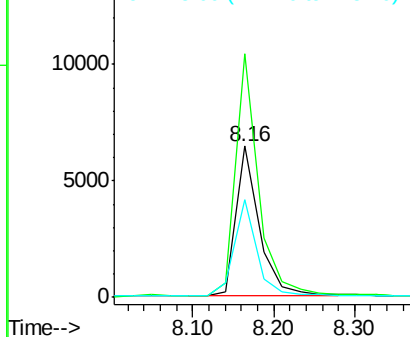
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.36 ng

RT: 3.41 min Scan# 71

Delta R.T. 0.00 min

Lab File: BE092469.D

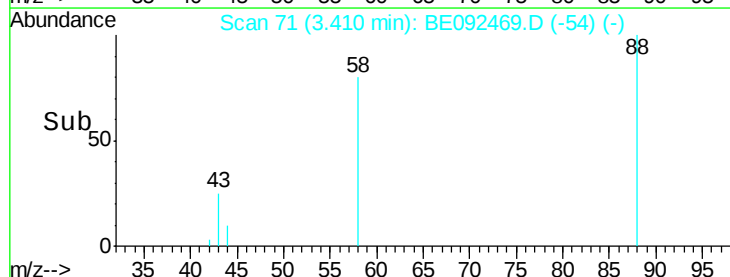
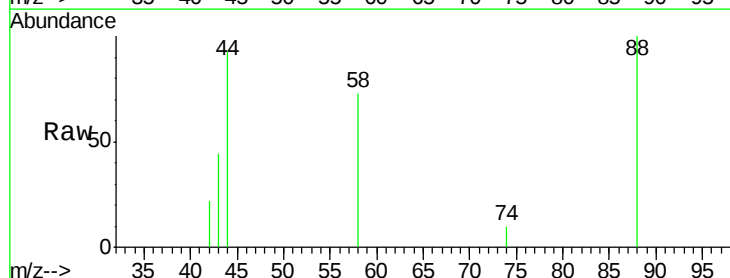
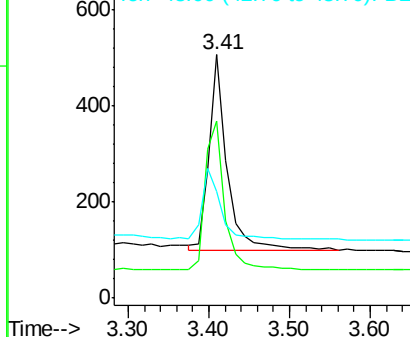
Acq: 21 Oct 2016 16:23

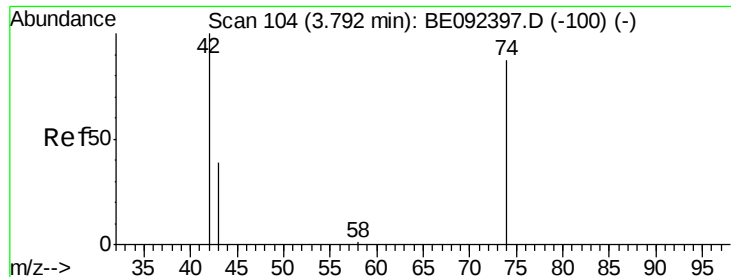
Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.9	63.6	95.4
43	37.4	28.0	42.0

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: 0.48 ng

RT: 3.79 min Scan# 104

Delta R.T. 0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Instrument :

BNA_E

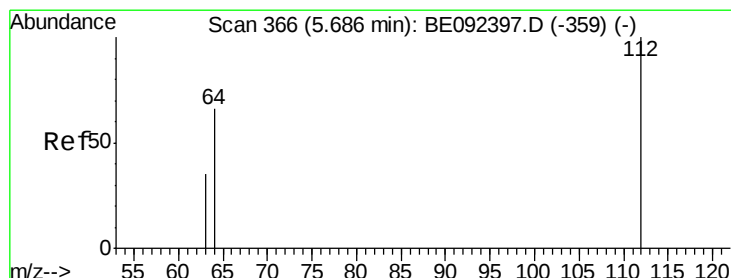
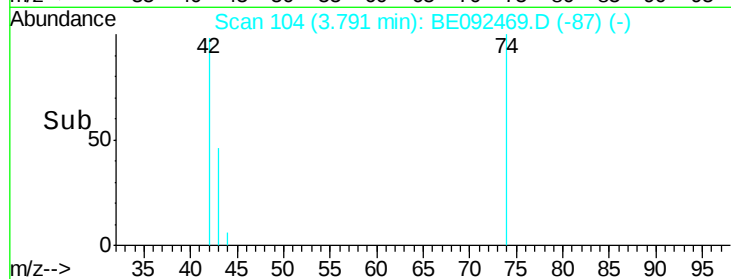
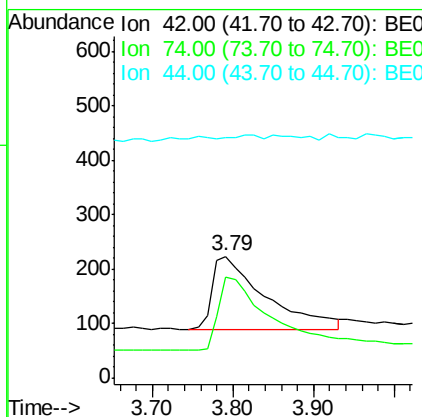
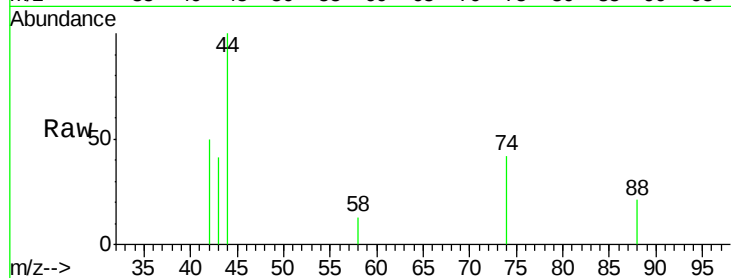
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:	42	Resp:	607
Ion Ratio	Lower	Upper	
42	100		
74	100.7	86.0	129.0
44	0.0	5.1	7.7#

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#4

2-Fluorophenol

Concen: 0.40 ng

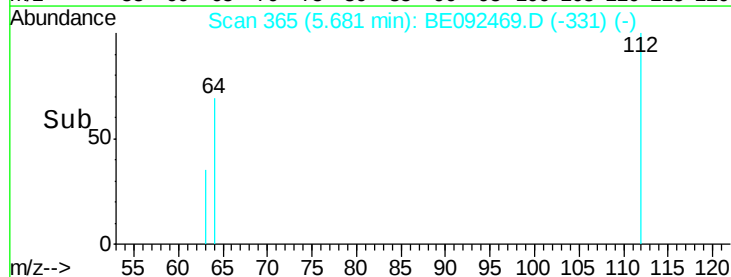
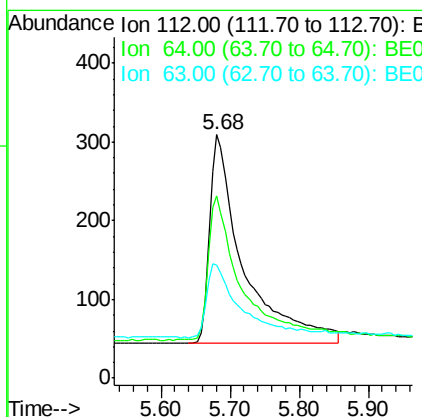
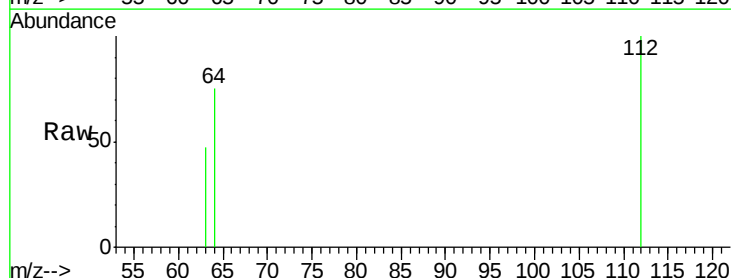
RT: 5.68 min Scan# 365

Delta R.T. -0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Tgt Ion:	112	Resp:	891
Ion Ratio	Lower	Upper	
112	100		
64	68.6	53.5	80.3
63	37.5	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: BE092469.D

Acq: 21 Oct 2016 16:23

Instrument :

BNA_E

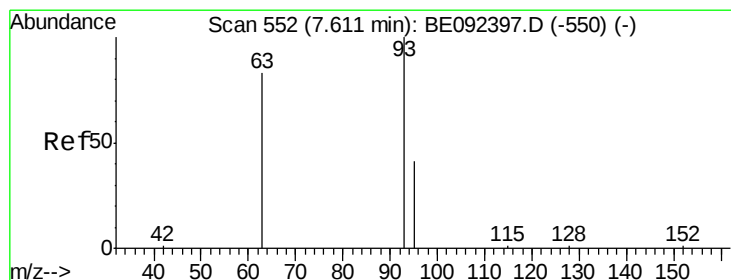
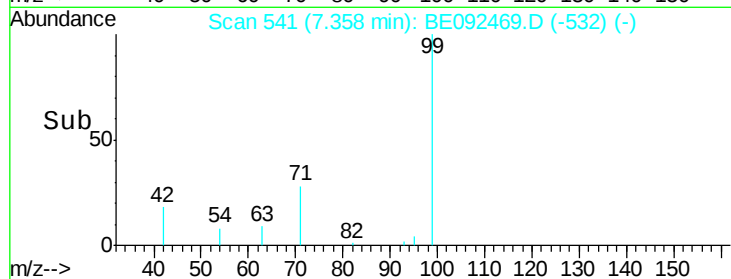
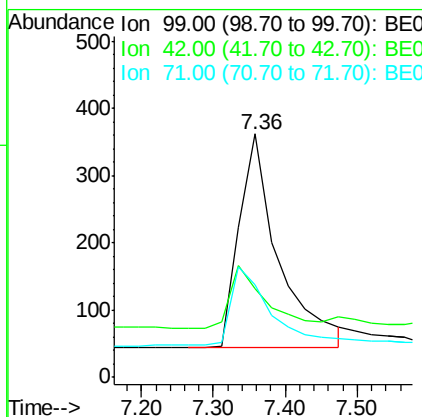
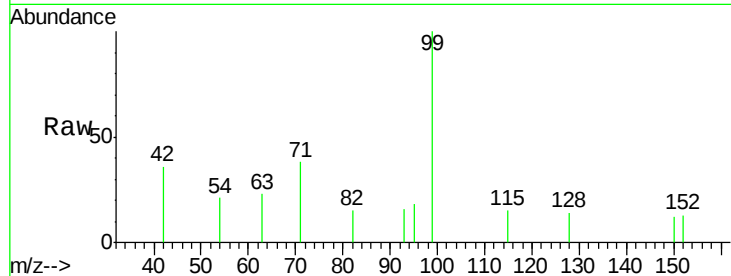
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:	99	Resp:	1202
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

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#6

bis(2-Chloroethyl)ether

Concen: 0.41 ng

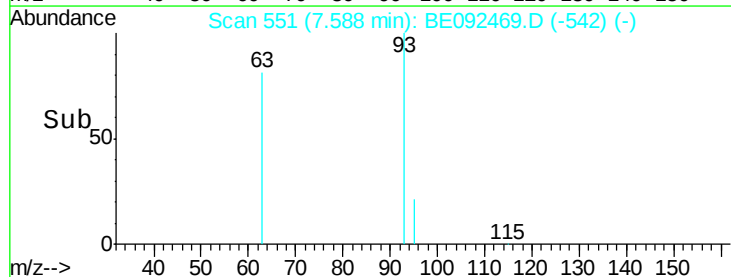
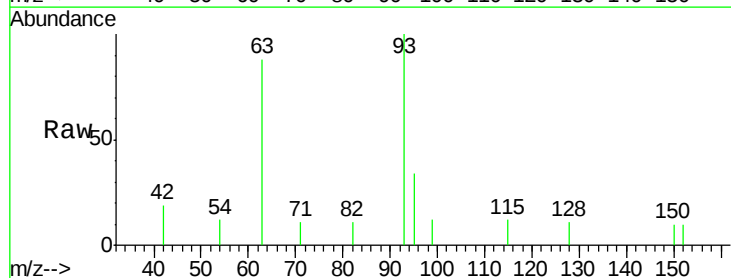
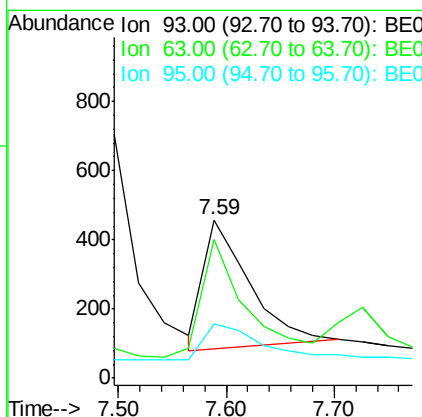
RT: 7.59 min Scan# 551

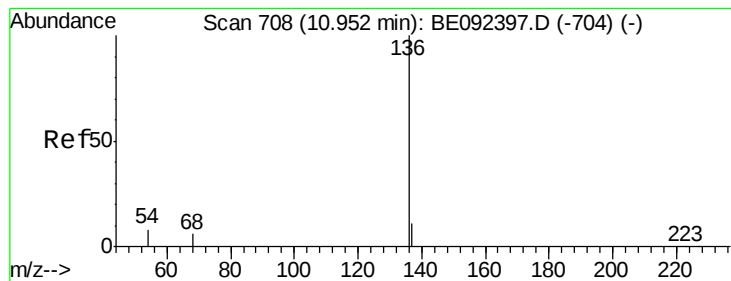
Delta R.T. -0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Tgt Ion:	93	Resp:	1113
Ion Ratio	Lower	Upper	
93	100		
63	89.9	71.6	107.4
95	35.2	24.0	36.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. 0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Instrument :

BNA_E

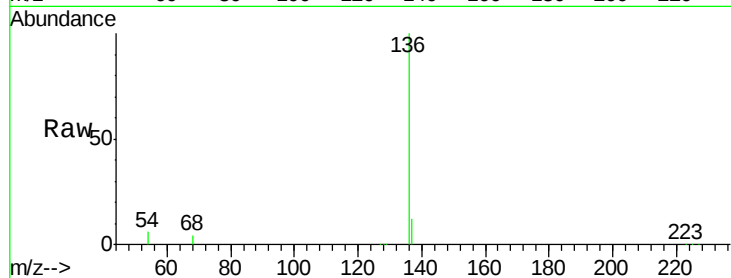
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:	136	Resp:	64929
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.2	12.4
54	5.8	9.6	14.4#
68	4.4	6.7	10.1#

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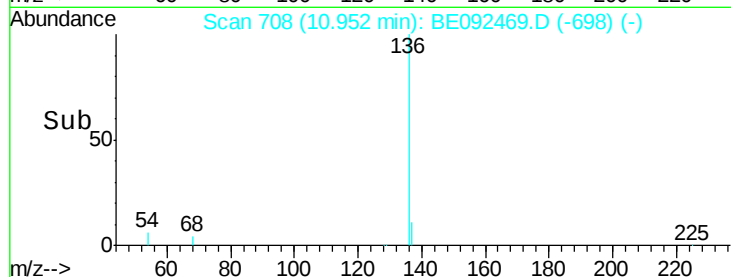
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

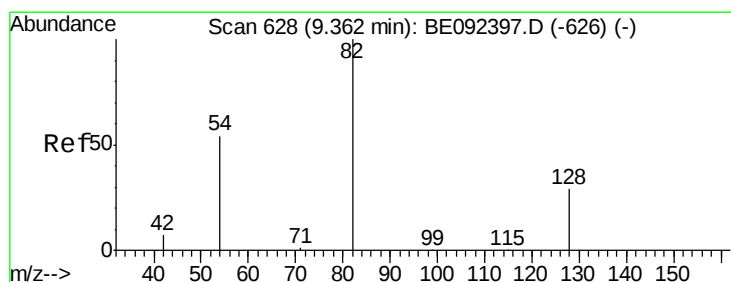
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#8

Nitrobenzene-d5

Concen: 0.44 ng

RT: 9.36 min Scan# 628

Delta R.T. -0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

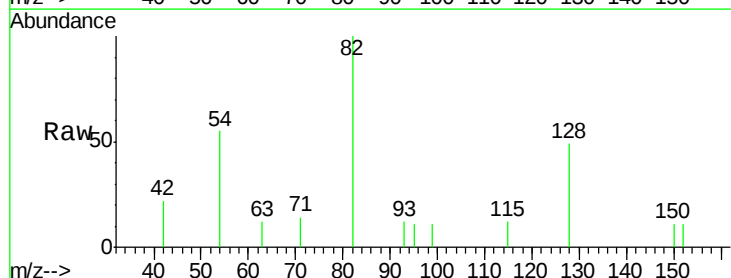
Tgt Ion:	82	Resp:	1432
Ion Ratio	Lower	Upper	
82	100		
128	49.2	39.0	58.4
54	54.6	44.8	67.2

Abundance Ion 82.00 (81.70 to 82.70): BE0

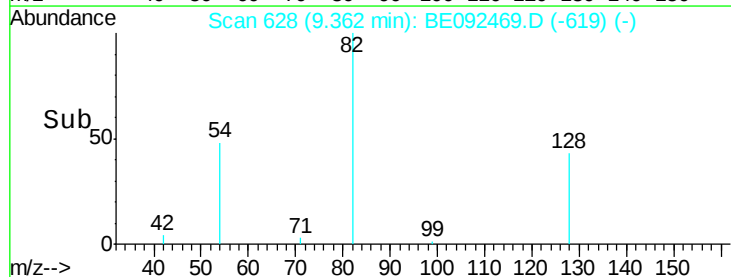
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0

Time-->



Time-->



Time-->



#9

Naphthalene

Concen: 0.40 ng

RT: 10.99 min Scan# 710

Delta R.T. 0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Instrument :

BNA_E

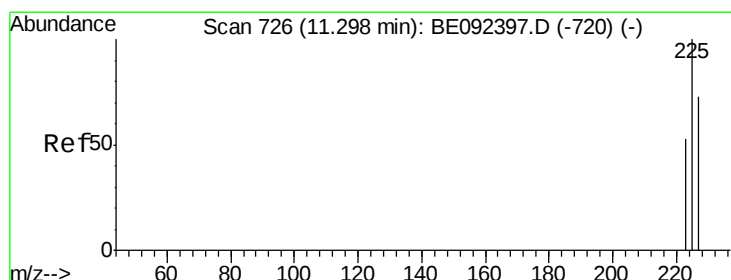
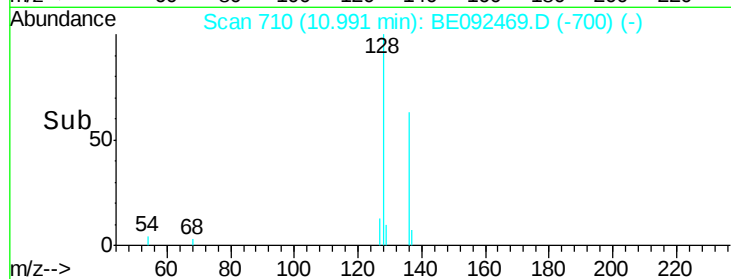
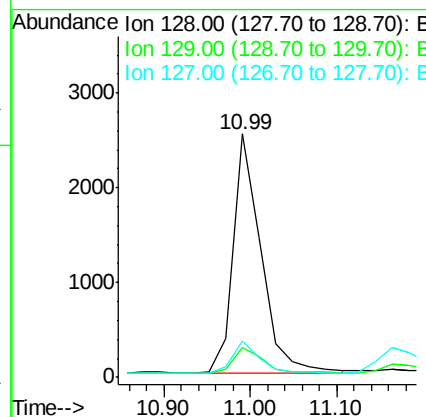
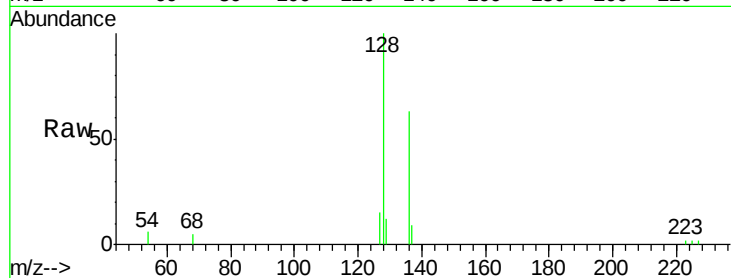
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:	128	Resp:	5570
Ion	Ratio	Lower	Upper
128	100		
129	12.1	11.2	16.8
127	15.0	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 0.38 ng

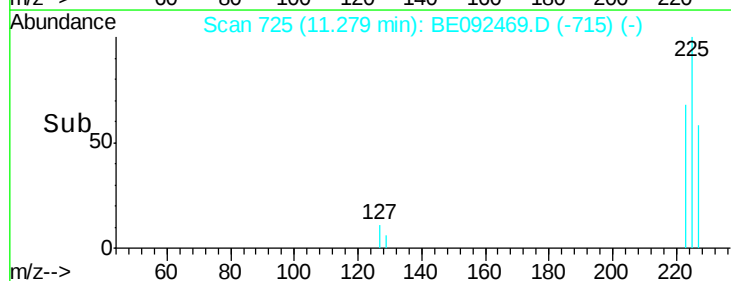
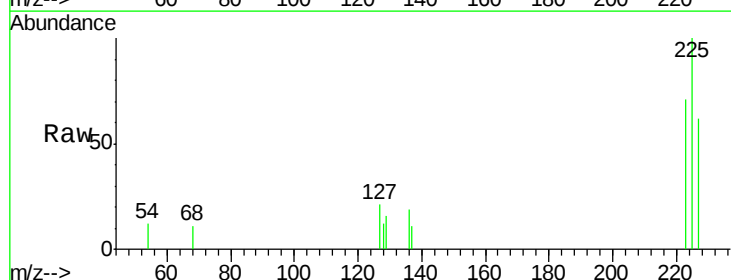
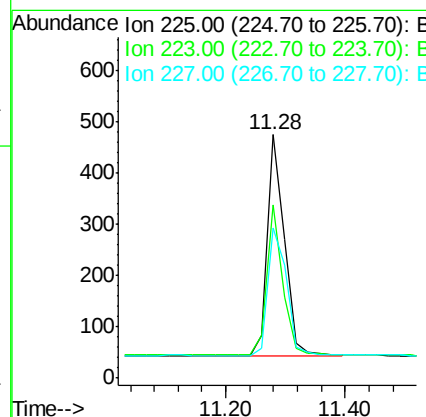
RT: 11.28 min Scan# 725

Delta R.T. 0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Tgt Ion:	225	Resp:	850
Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	63.8	51.4	77.0





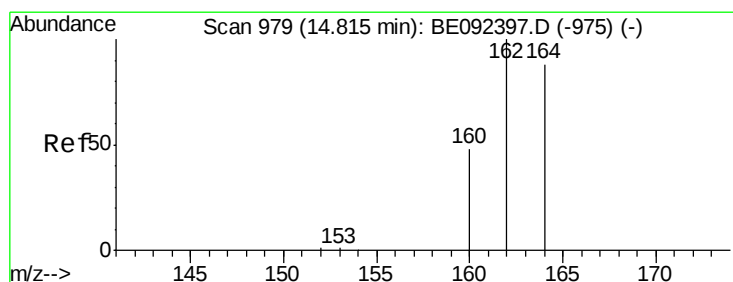
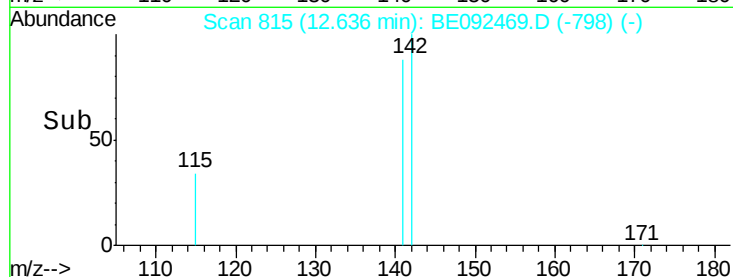
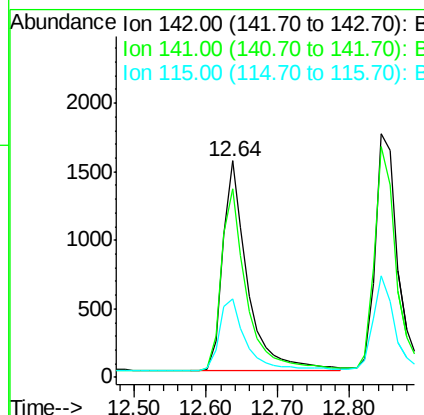
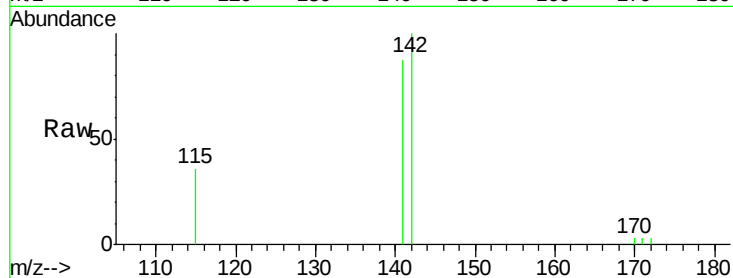
#11
2-Methylnaphthalene
Concen: 0.39 ng
RT: 12.64 min Scan# 815
Delta R.T. 0.00 min
Lab File: BE092469.D
Acq: 21 Oct 2016 16:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:142 Resp: 3647
Ion Ratio Lower Upper
142 100
141 87.3 73.7 110.5
115 36.5 34.0 51.0

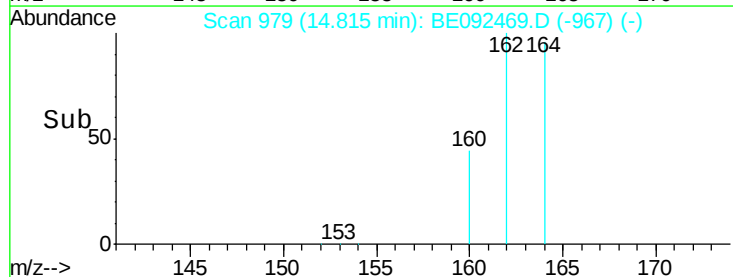
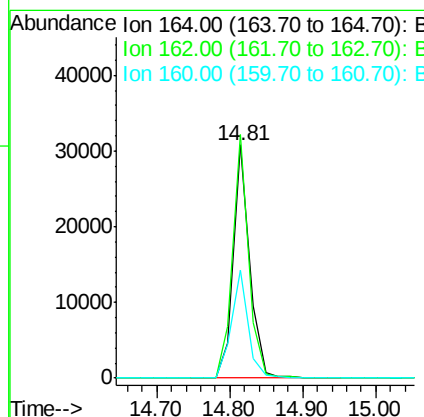
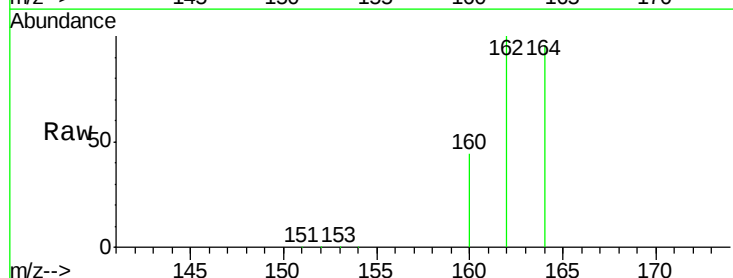
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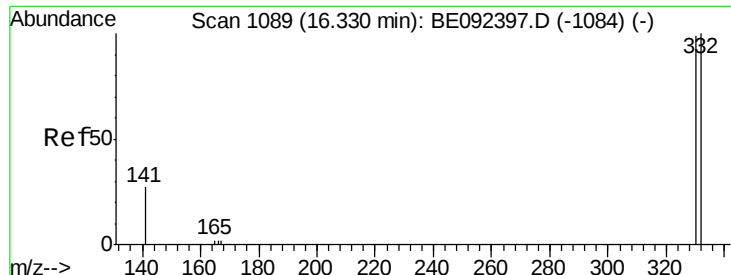
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.81 min Scan# 979
Delta R.T. -0.00 min
Lab File: BE092469.D
Acq: 21 Oct 2016 16:23

Tgt Ion:164 Resp: 47232
Ion Ratio Lower Upper
164 100
162 104.5 71.4 107.0
160 46.1 27.4 41.2#





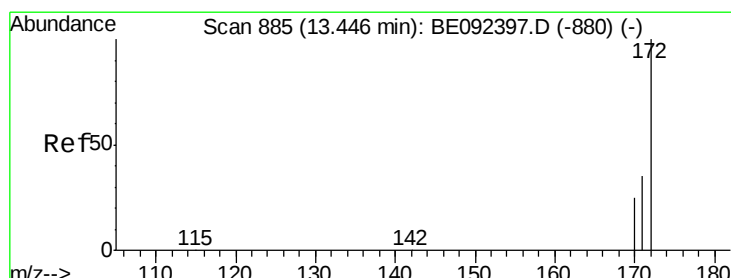
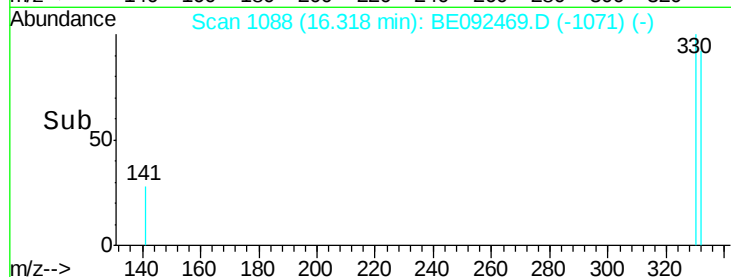
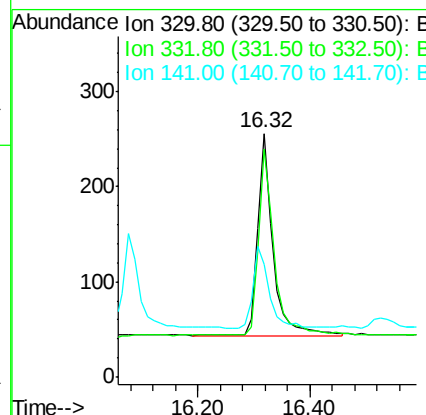
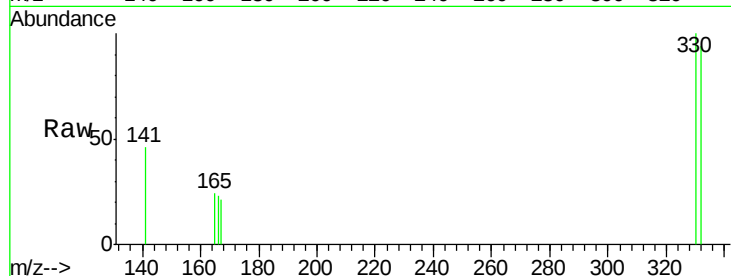
#13
 2,4,6-Tribromophenol
 Concen: 0.40 ng
 RT: 16.32 min Scan# 1088
 Delta R.T. 0.00 min
 Lab File: BE092469.D
 Acq: 21 Oct 2016 16:23

Instrument :
 BNA_E
 ClientSampleId :
 SSTCCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	75.4	113.0
141	42.7	31.0	46.6

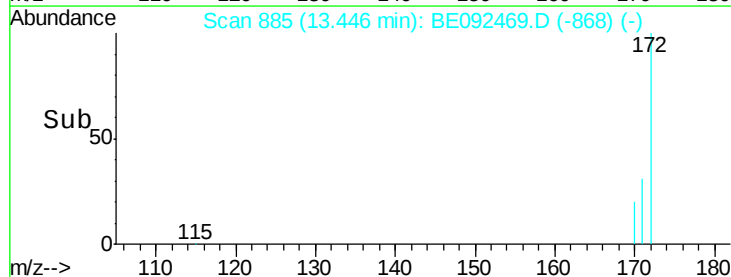
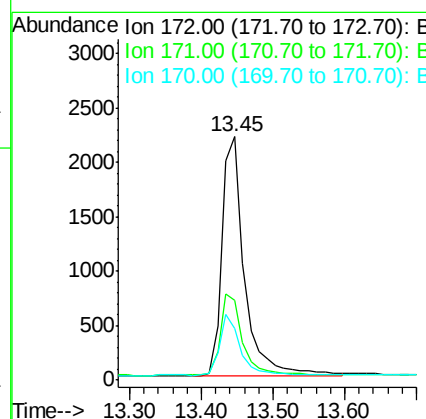
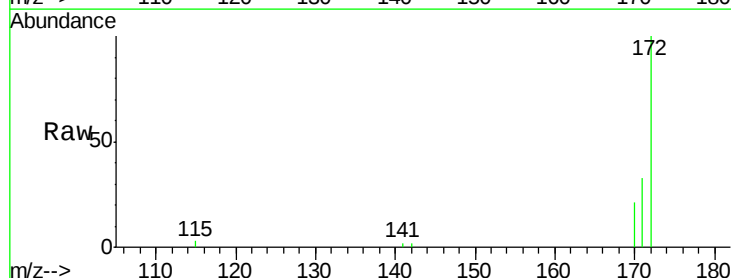
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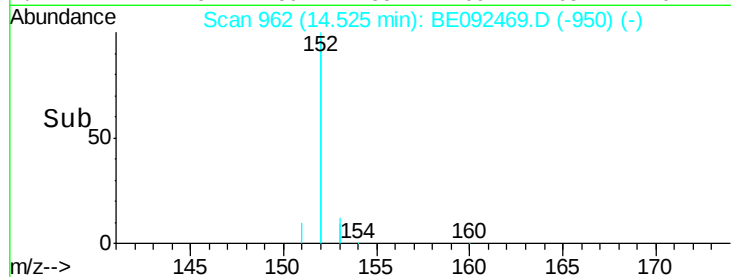
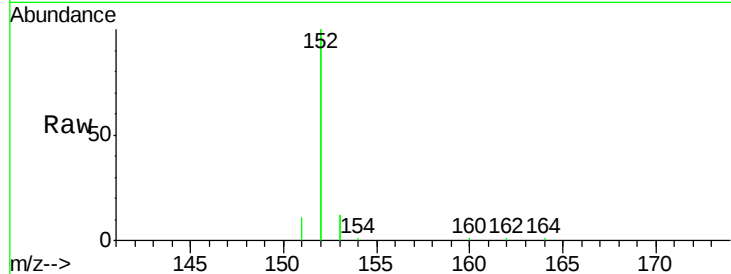
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#14
 2-Fluorobiphenyl
 Concen: 0.42 ng
 RT: 13.45 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: BE092469.D
 Acq: 21 Oct 2016 16:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.9	30.1	45.1
170	21.3	21.8	32.6





#15

Acenaphthylene

Concen: 0.39 ng

RT: 14.53 min Scan# 962

Delta R.T. -0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Tgt Ion:	152	Resp:	26825
Ion Ratio	Lower	Upper	
152	100		
151	4.9	3.9	5.9
153	13.0	10.4	15.6

Instrument :

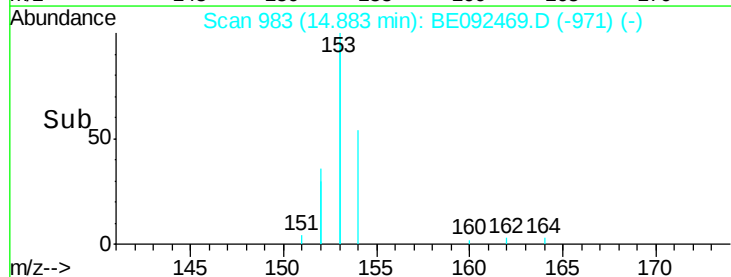
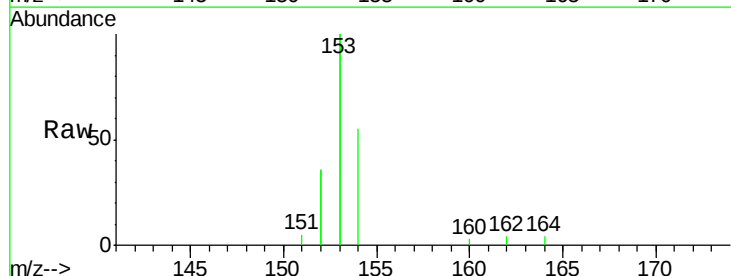
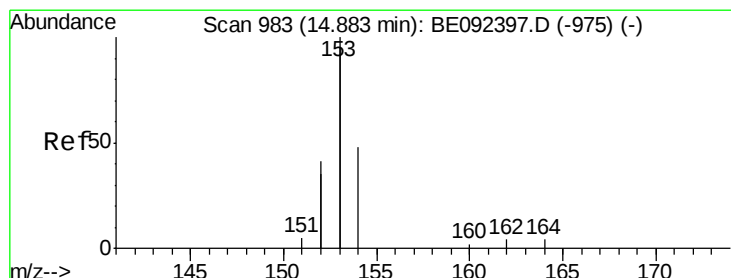
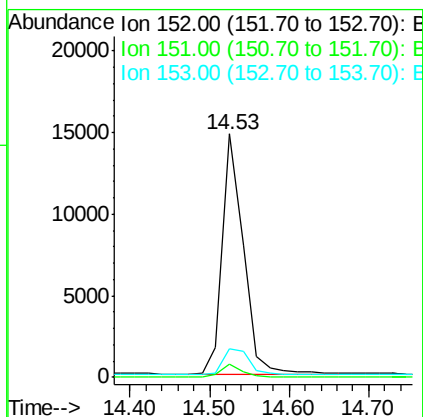
BNA_E

ClientSampleId :

SSTDCCC0.4EC

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#16

Acenaphthene

Concen: 0.41 ng

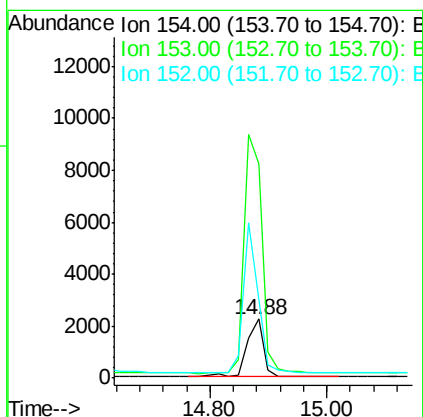
RT: 14.88 min Scan# 983

Delta R.T. -0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Tgt Ion:	154	Resp:	4392
Ion Ratio	Lower	Upper	
154	100		
153	441.9	350.8	526.2
152	224.3	171.1	256.7





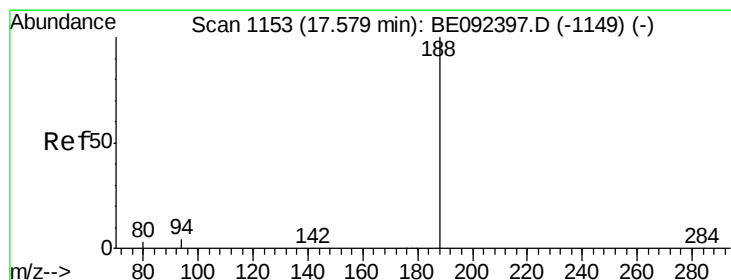
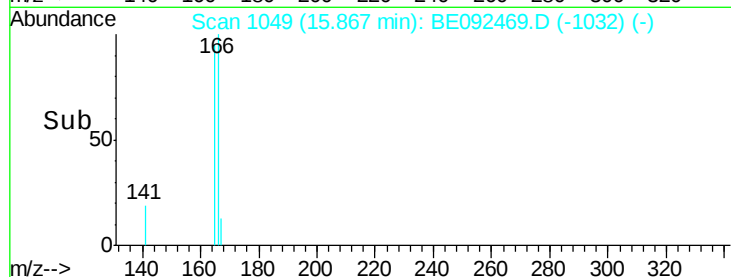
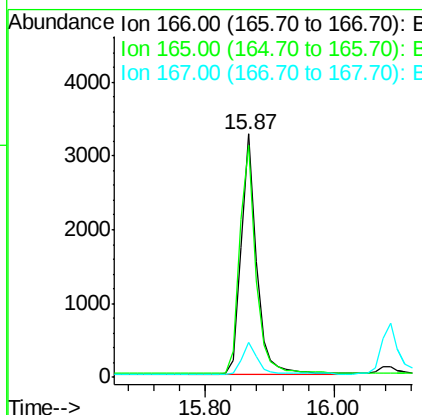
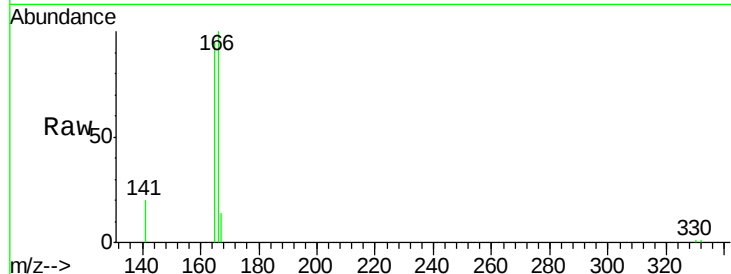
#17
Fluorene
 Concen: 0.39 ng
 RT: 15.87 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: BE092469.D
 Acq: 21 Oct 2016 16:23

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.2	117.4
167	13.4	11.0	16.4

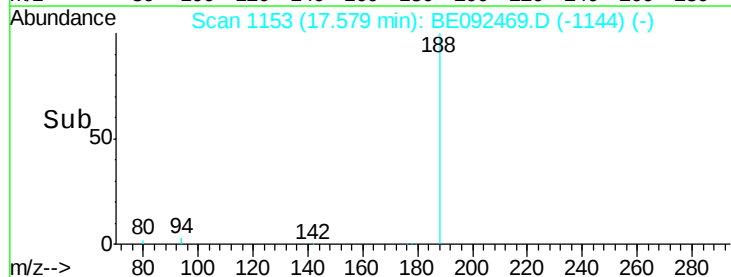
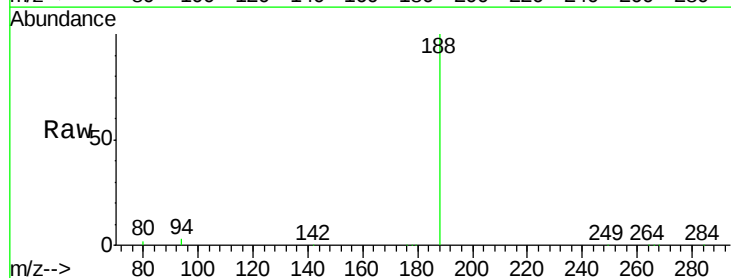
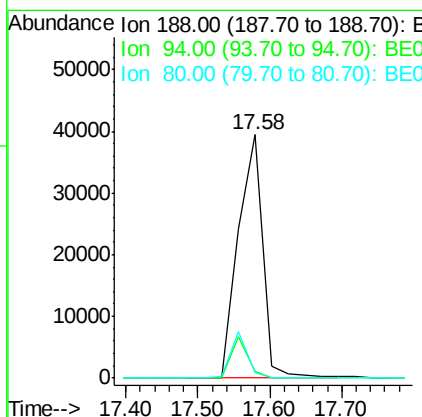
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: BE092469.D
 Acq: 21 Oct 2016 16:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	2.9	3.2	4.8#
80	2.5	2.6	3.8#





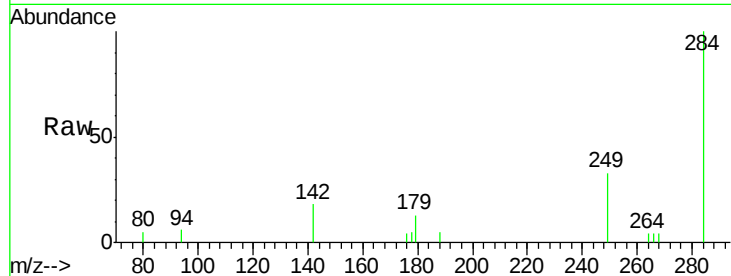
#19
Hexachlorobenzene
Concen: 0.43 ng
RT: 16.89 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE092469.D
Acq: 21 Oct 2016 16:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

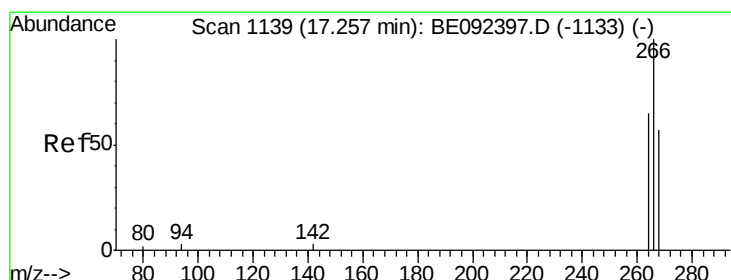
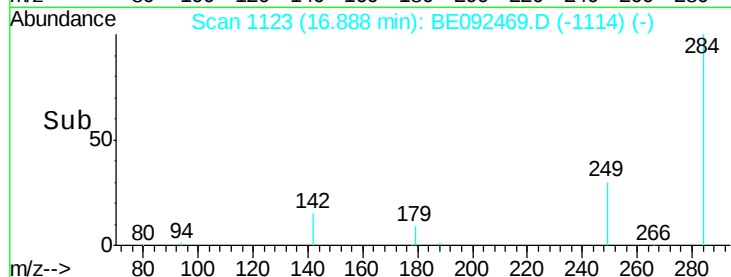
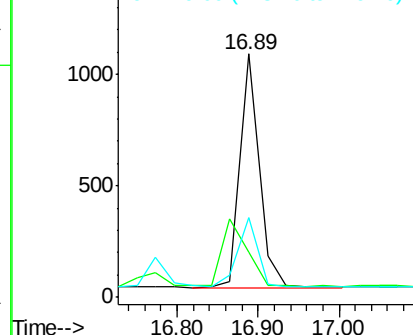
Tgt Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	30.9	27.9	41.9

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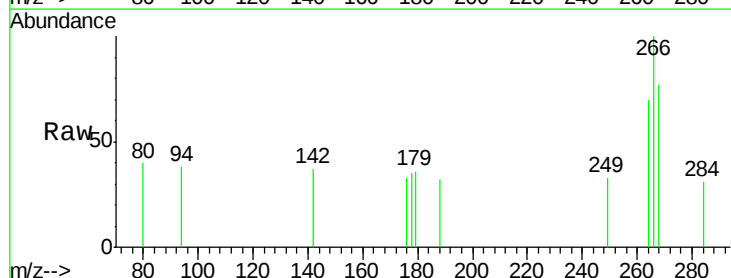


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

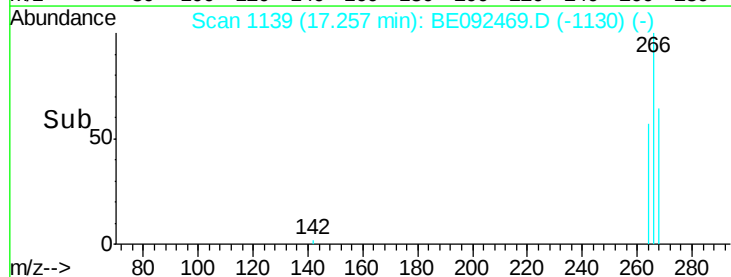
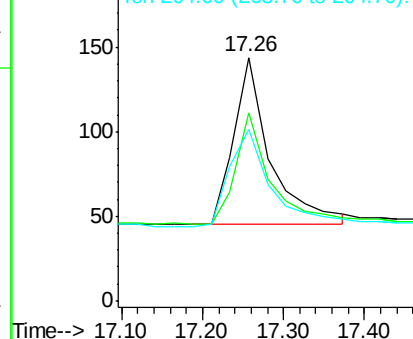


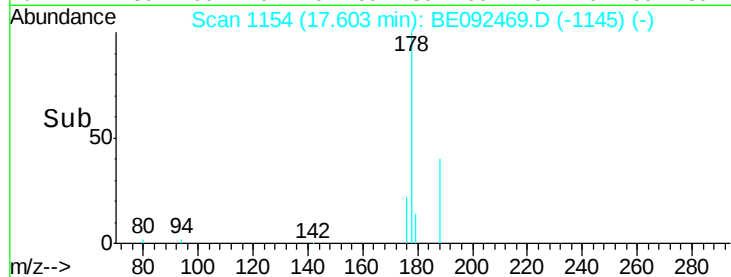
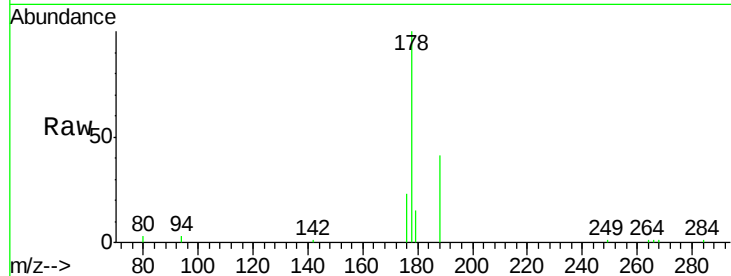
#20
Pentachlorophenol
Concen: 0.39 ng
RT: 17.26 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BE092469.D
Acq: 21 Oct 2016 16:23

Tgt Ion	Ratio	Lower	Upper
266	100		
268	77.1	62.5	93.7
264	70.1	57.2	85.8



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





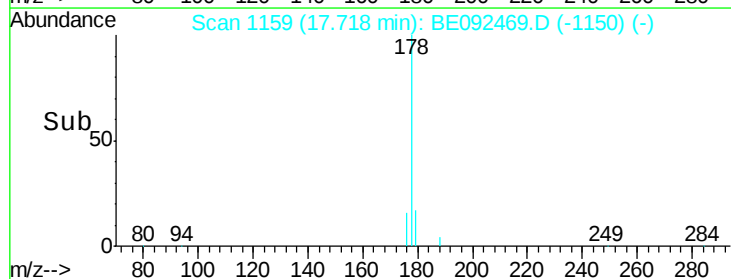
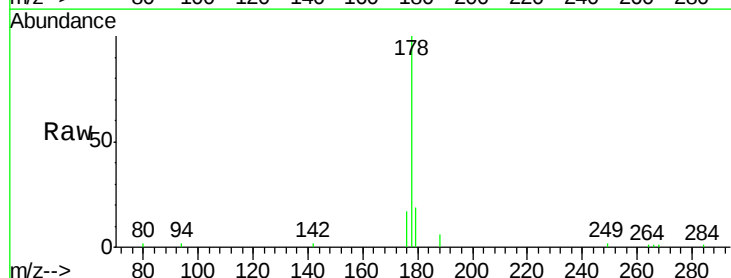
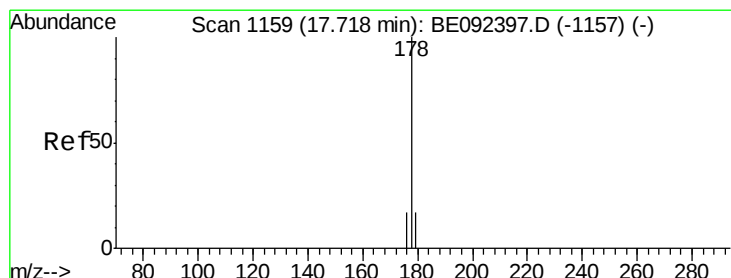
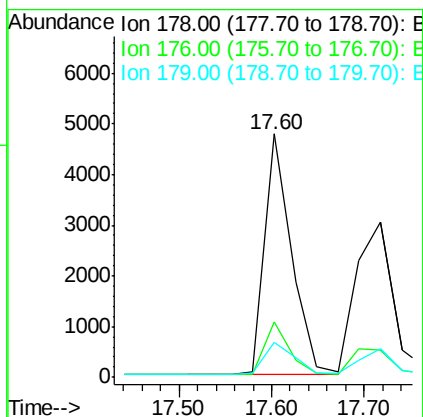
#21
Phenanthrene
Concen: 0.45 ng
RT: 17.60 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092469.D
Acq: 21 Oct 2016 16:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.9	16.0	24.0

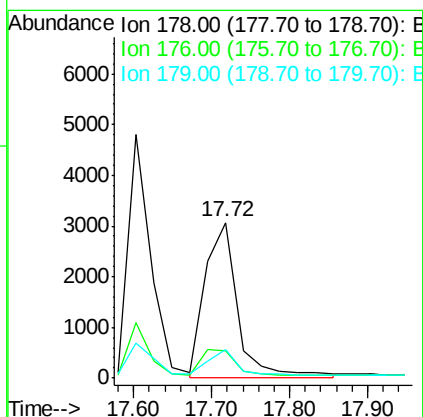
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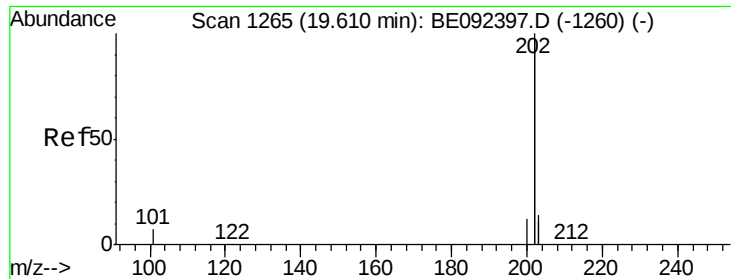
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#22
Anthracene
Concen: 0.45 ng m
RT: 17.72 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BE092469.D
Acq: 21 Oct 2016 16:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.0	22.4
179	15.4	12.2	18.2





#23

Fluoranthene

Concen: 0.40 ng

RT: 19.61 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Instrument :

BNA_E

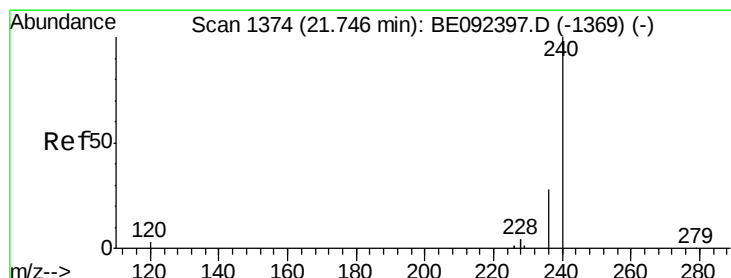
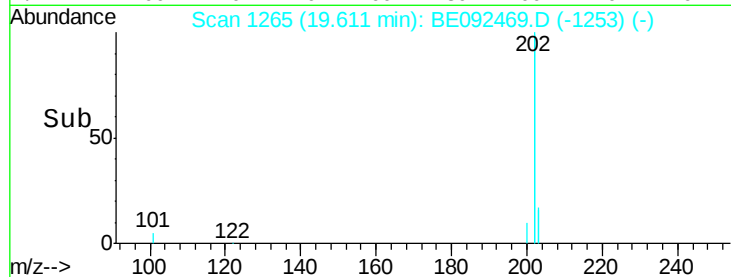
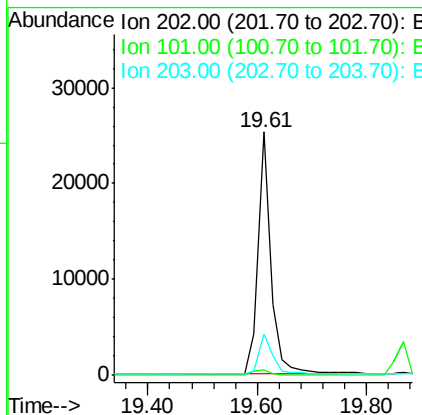
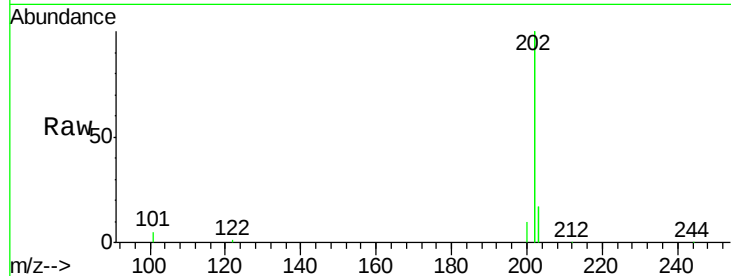
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	40625		
101	2.9		2.2	3.4
203	17.6		13.7	20.5

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#24

Chrysene-d12

Concen: 5.00 ng

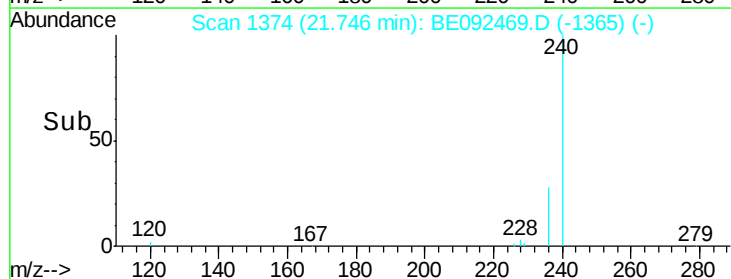
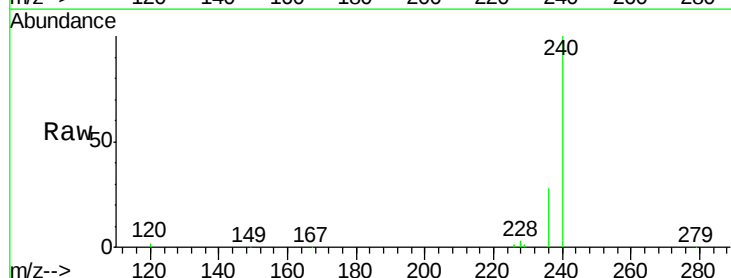
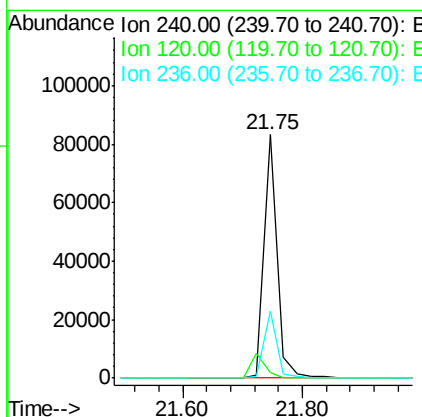
RT: 21.75 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	128009		
120	2.0		2.6	4.0#
236	27.6		24.6	37.0





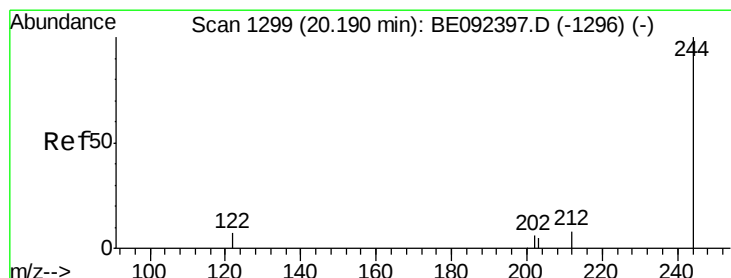
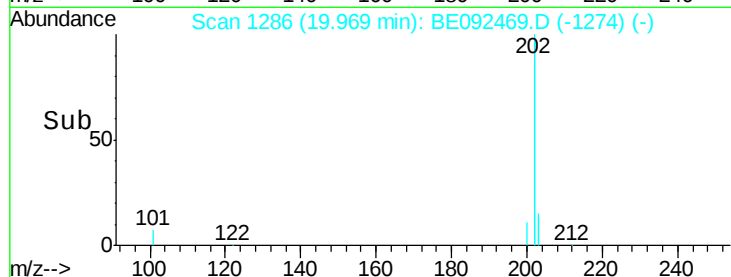
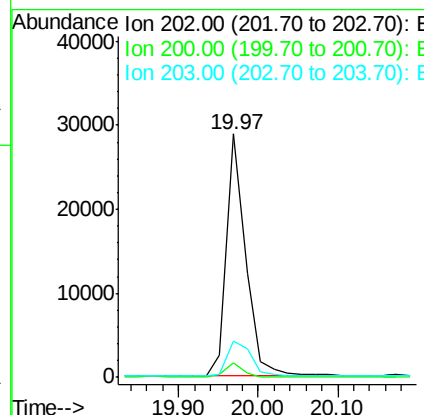
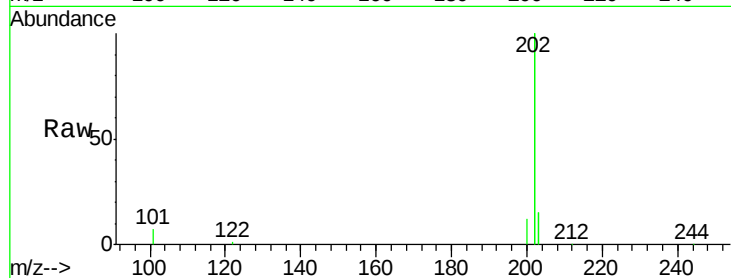
#25
 Pyrene
 Concen: 0.43 ng
 RT: 19.97 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: BE092469.D
 Acq: 21 Oct 2016 16:23

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

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

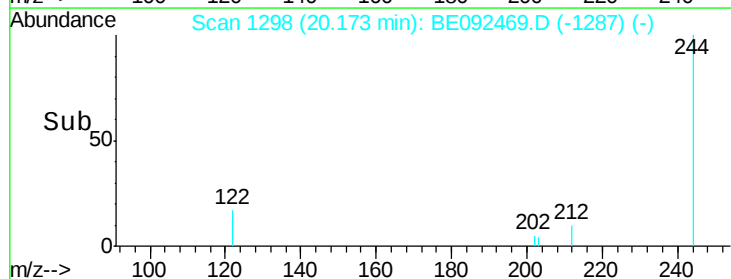
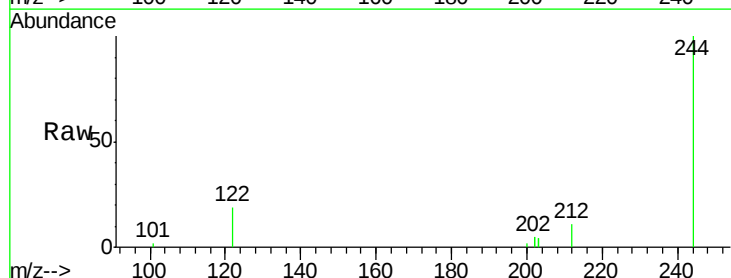
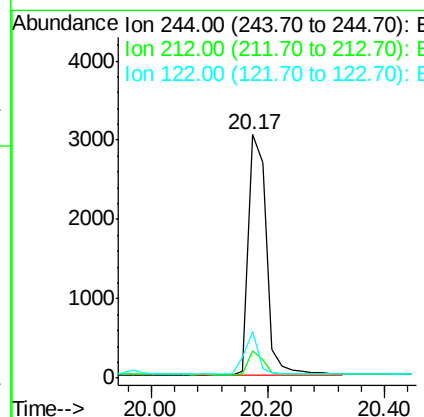
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#26
 Terphenyl-d14
 Concen: 0.41 ng
 RT: 20.17 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BE092469.D
 Acq: 21 Oct 2016 16:23

Tgt Ion	Ratio	Lower	Upper
244	100		
212	11.3	6.7	10.1#
122	19.1	3.6	5.4#





#27

Benzo(a)anthracene

Concen: 0.40 ng m

RT: 21.72 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

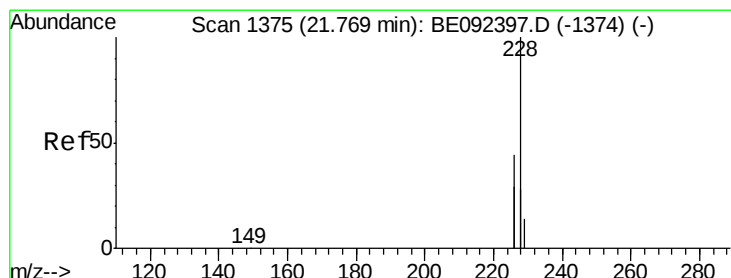
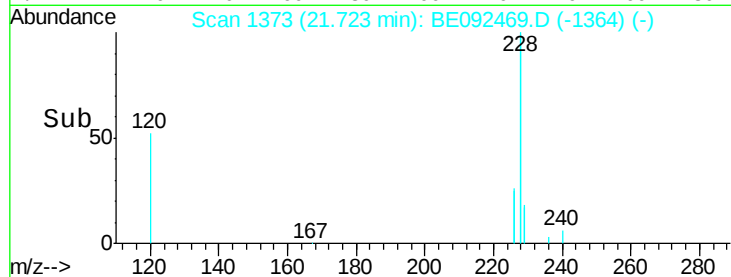
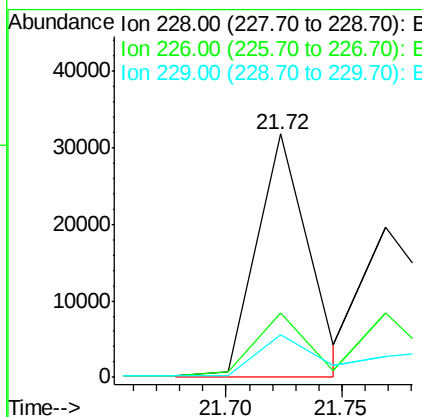
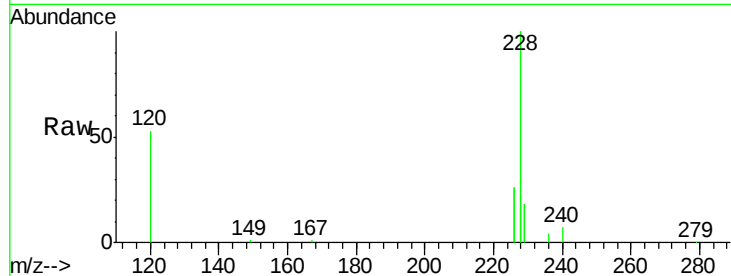
Instrument :
BNA_E

ClientSampleId :
SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	23.6	35.4
229	17.8	13.3	19.9

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#28

Chrysene

Concen: 0.41 ng m

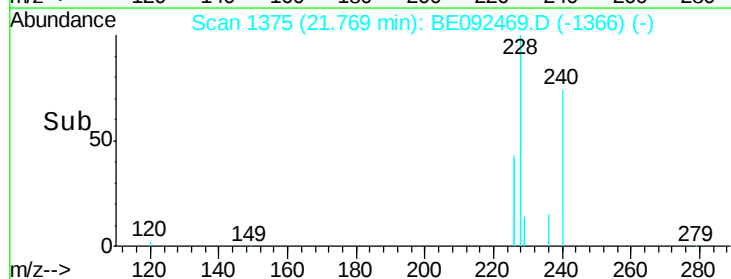
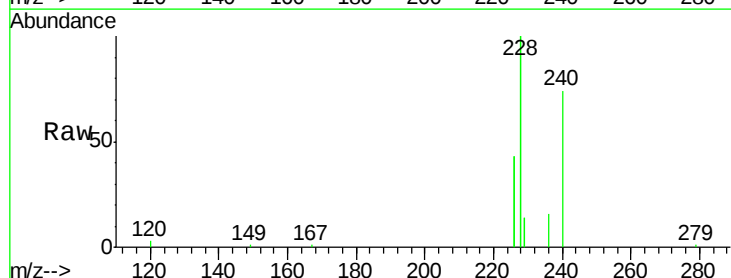
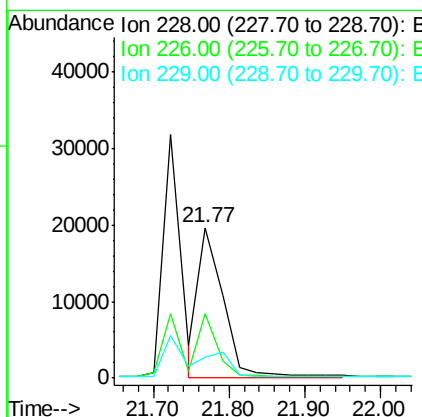
RT: 21.77 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	43.1	36.3	54.5
229	13.6	10.6	16.0





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.35 ng

RT: 21.63 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Instrument :

BNA_E

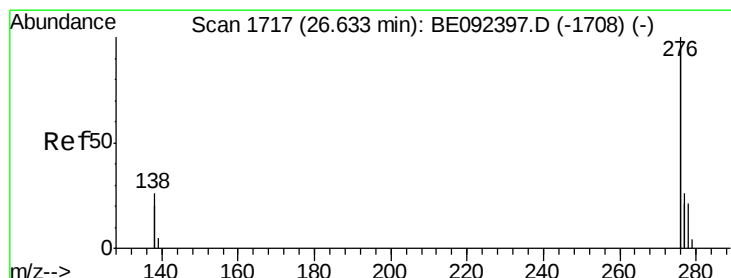
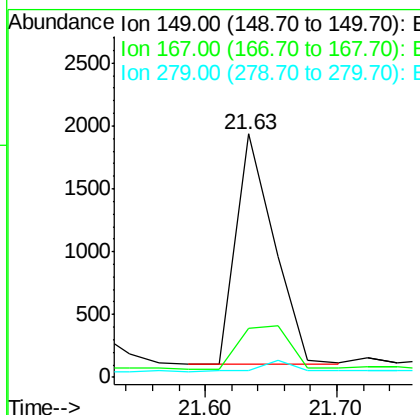
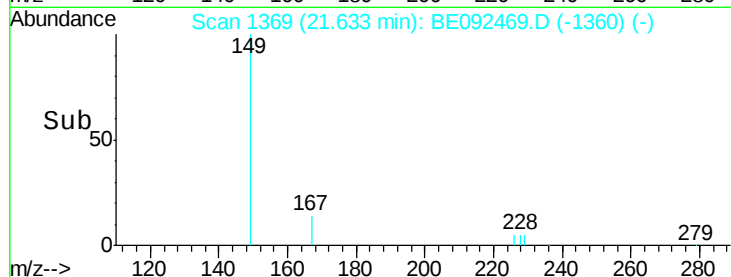
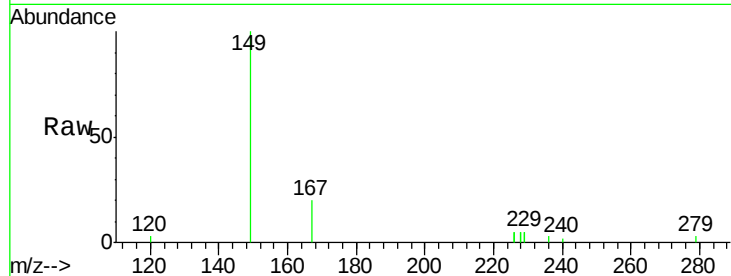
ClientSampleId :

SSTDCCC0.4EC

Tgt Ion:	149	Resp:	3709
Ion Ratio	Lower	Upper	
149	100		
167	0.0	16.0	24.0#
279	0.0	16.0	24.0#

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#30

Indeno(1,2,3-cd)pyrene

Concen: 0.36 ng

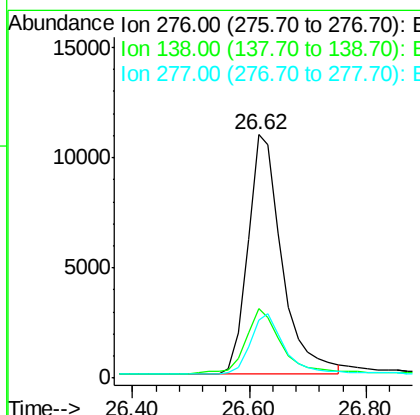
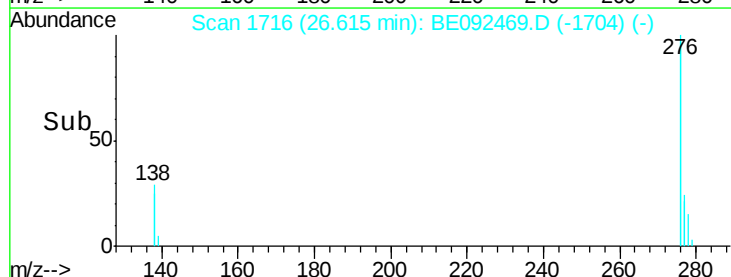
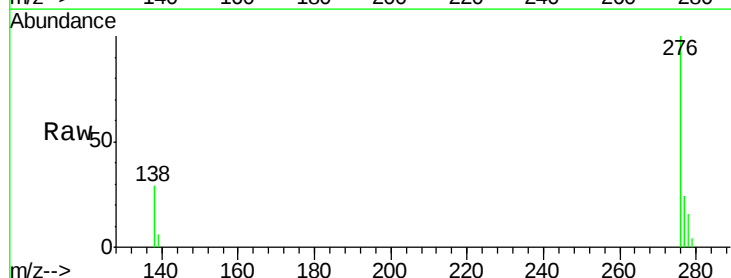
RT: 26.62 min Scan# 1716

Delta R.T. -0.00 min

Lab File: BE092469.D

Acq: 21 Oct 2016 16:23

Tgt Ion:	276	Resp:	44137
Ion Ratio	Lower	Upper	
276	100		
138	27.8	20.3	30.5
277	24.7	19.7	29.5





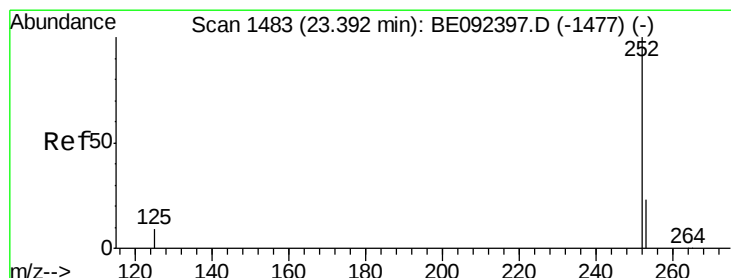
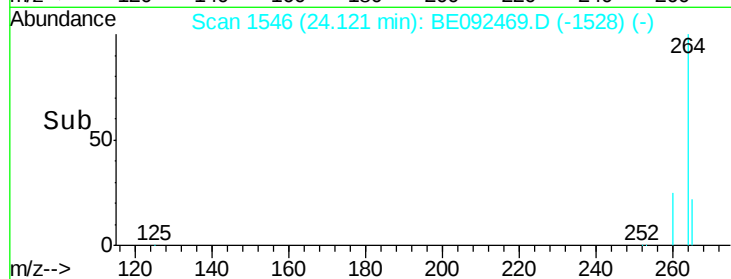
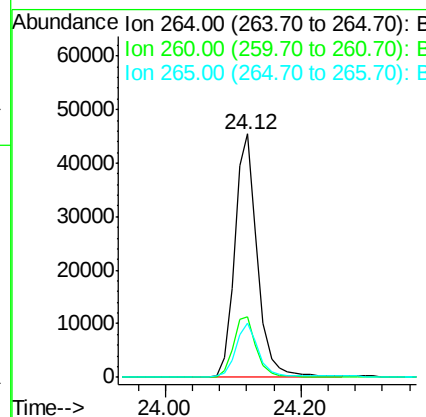
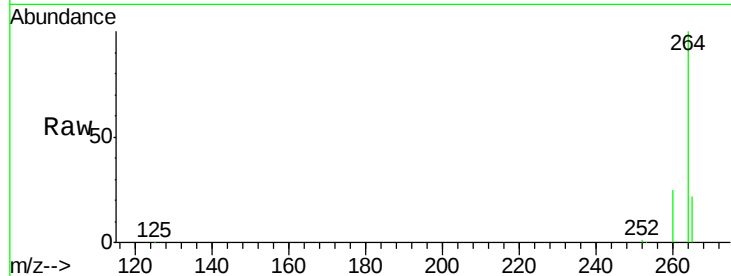
#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.12 min Scan# 1546
 Delta R.T. 0.01 min
 Lab File: BE092469.D
 Acq: 21 Oct 2016 16:23

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	22.0	17.9	26.9

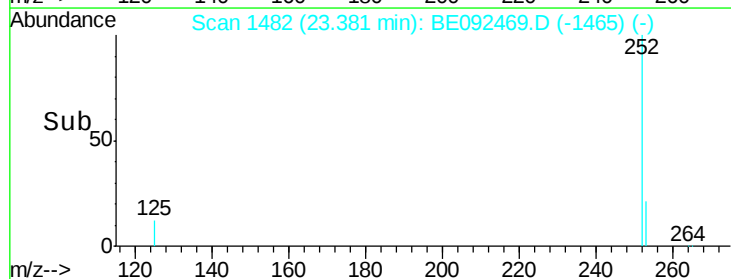
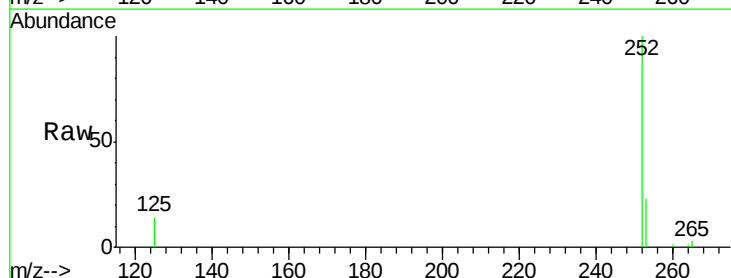
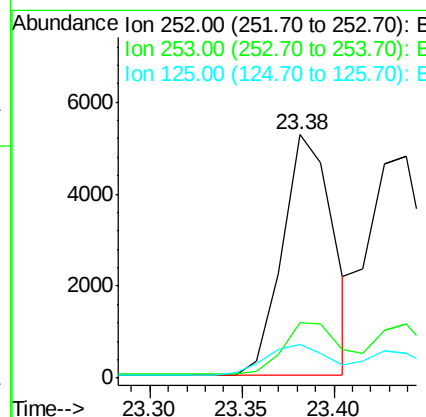
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#32
 Benzo(b)fluoranthene
 Concen: 0.39 ng
 RT: 23.38 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: BE092469.D
 Acq: 21 Oct 2016 16:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.7	28.1
125	13.7	10.5	15.7





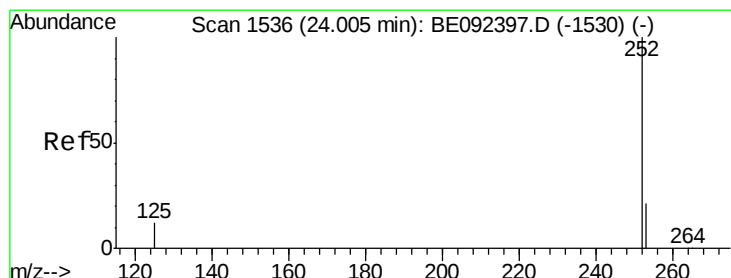
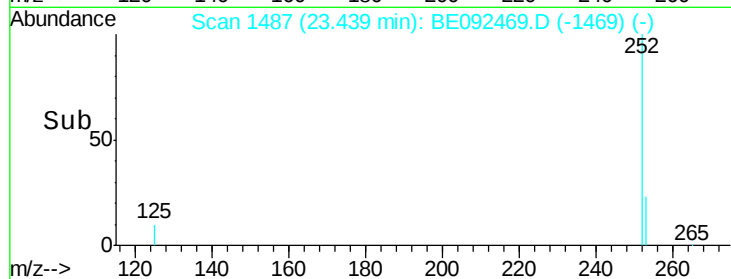
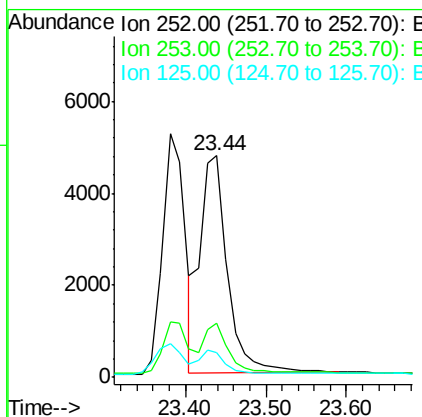
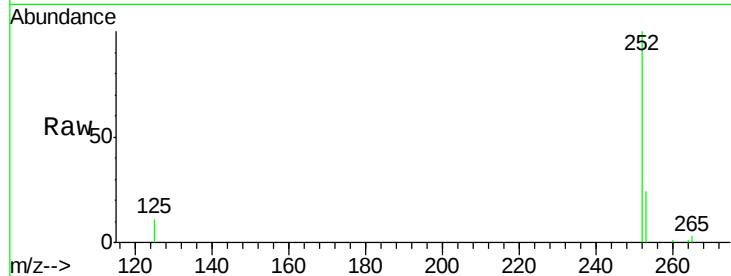
#33
Benzo(k)fluoranthene
Concen: 0.42 ng
RT: 23.44 min Scan# 1487
Delta R.T. 0.01 min
Lab File: BE092469.D
Acq: 21 Oct 2016 16:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	20.3	30.5
125	11.1	9.6	14.4

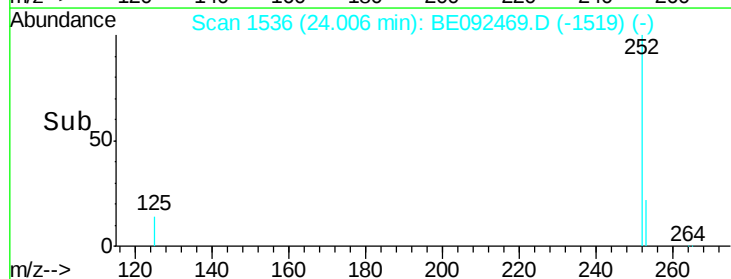
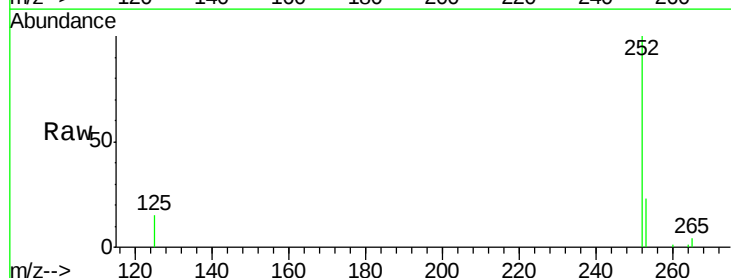
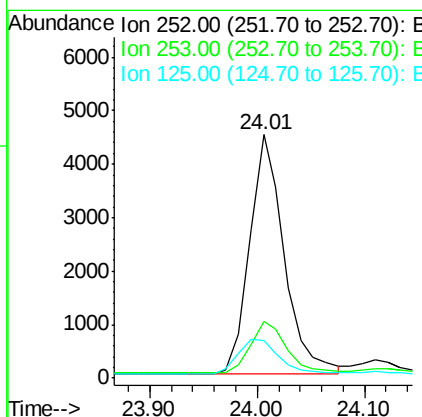
Manual Integrations
APPROVED

umangi
10/21/2016 7:06:28 PM



#34
Benzo(a)pyrene
Concen: 0.40 ng
RT: 24.01 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BE092469.D
Acq: 21 Oct 2016 16:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.6
125	15.4	11.8	17.8





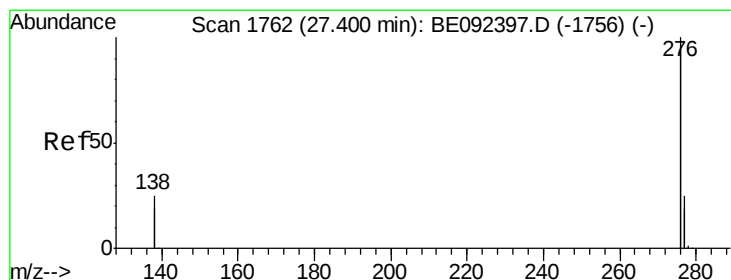
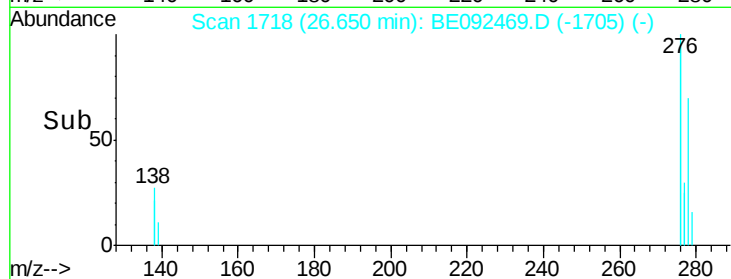
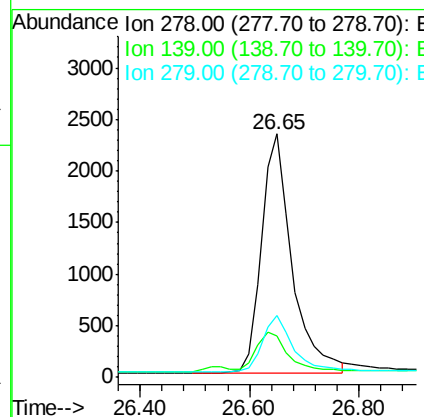
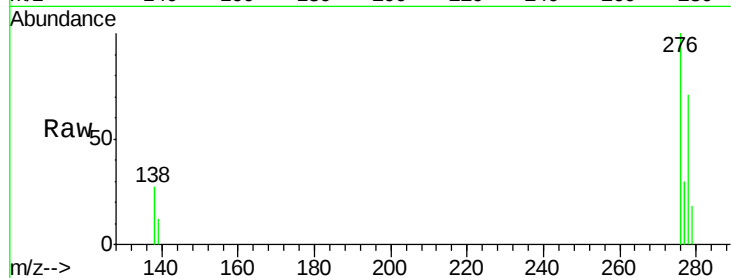
#35
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 26.65 min Scan# 1718
Delta R.T. 0.02 min
Lab File: BE092469.D
Acq: 21 Oct 2016 16:23

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.8	20.8
279	25.2	21.4	32.2

Manual Integrations
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#36
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.40 min Scan# 1762
Delta R.T. 0.02 min
Lab File: BE092469.D
Acq: 21 Oct 2016 16:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.8	29.8
138	23.5	19.8	29.6

