

Data Path : Z:\HPCHEM1\BNA E\DATA\BE121916\
 Data File : BE092607.D
 Acq On : 19 Dec 2016 14:39
 Operator : UM/SJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Manual Integrations
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Quant Time: Dec 19 16:12:26 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 19 14:52:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	9174	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	44847	5.00	ng	-0.02
12) Acenaphthene-d10	14.80	164	30841	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	61698	5.00	ng	-0.02
24) Chrysene-d12	21.72	240	75326	5.00	ng	0.00
31) Perylene-d12	24.06	264	71474	5.00	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	0.00	112	0d	0.00	ng	
5) Phenol-d6	0.00	99	0d	0.00	ng	
8) Nitrobenzene-d5	9.29	82	32111	13.29	ng	-0.07
13) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
14) 2-Fluorobiphenyl	13.41	172	74777	9.94	ng	-0.02
26) Terphenyl-d14	20.16	244	100806	11.70	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.38	88	10148	8.12	ng	91
3) n-Nitrosodimethylamine	3.72	42	15778	13.15	ng	91
9) Naphthalene	10.97	128	89207	9.64	ng	94
10) Hexachlorobutadiene	11.26	225	13152	9.34	ng	100
11) 2-Methylnaphthalene	12.60	142	61587	10.43	ng	# 84
15) Acenaphthylene	14.51	152	450064	10.48	ng	100
16) Acenaphthene	14.85	154	67227	9.59	ng	95
17) Fluorene	15.83	166	88334	10.17	ng	100
19) Hexachlorobenzene	16.87	284	25955	10.66	ng	# 64
21) Phenanthrene	17.58	178	156859	11.36	ng	# 95
22) Anthracene	17.67	178	160036	12.31	ng	99
23) Fluoranthene	19.58	202	712205	11.06	ng	100
25) Pvrene	19.94	202	733563	12.25	ng	100
27) Benzo(a)anthracene	21.70	228	711216	10.06	ng	# 77
28) Chrysene	21.75	228	821376m	12.83	ng	
30) Indeno(1,2,3-cd)pyrene	26.53	276	805079	11.32	ng	97
32) Benzo(b)fluoranthene	23.34	252	179303	10.34	ng	96
33) Benzo(k)fluoranthene	23.38	252	183555	10.11	ng	94
34) Benzo(a)pvrene	23.96	252	174547	10.88	ng	# 96
35) Dibenzo(a,h)anthracene	26.55	278	167098	10.52	ng	94
36) Benzo(g,h,i)perylene	27.30	276	687776	10.23	ng	98

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

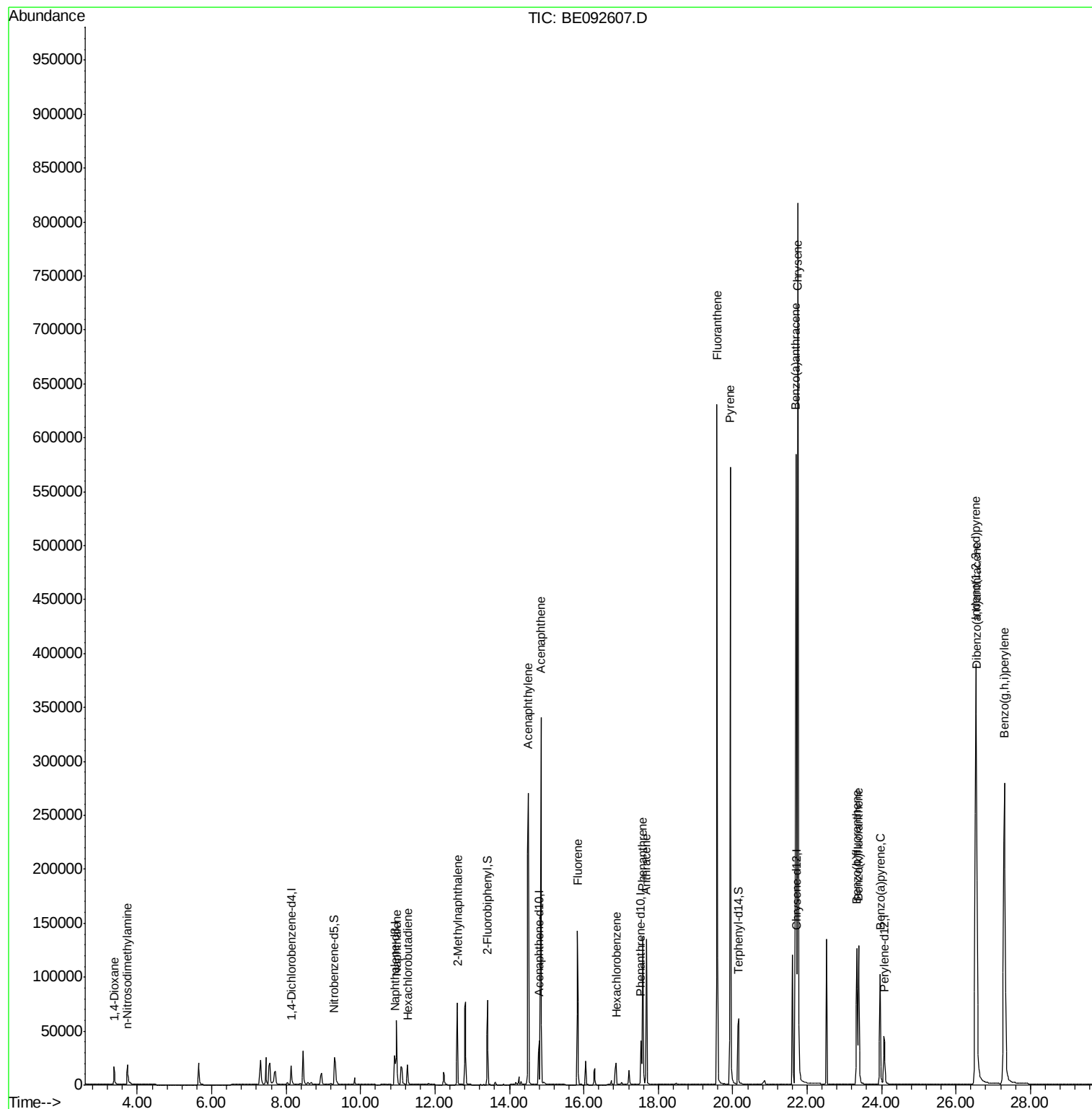
Data Path : Z:\HPCHEM1\BNA E\DATA\BE121916\
Data File : BE092607.D
Acq On : 19 Dec 2016 14:39
Operator : UM/SJ
Sample : SSTDIC010
Misc :
ALS Vial : 9 Sample Multiplier: 1

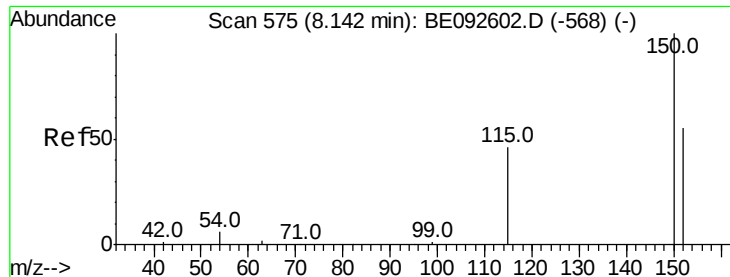
Instrument :
BNA_E
ClientSampleId :
SSTDIC010

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Quant Time: Dec 19 16:12:26 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE121916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 19 14:52:01 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092607.D

Acq: 19 Dec 2016 14:39

Instrument :

BNA_E

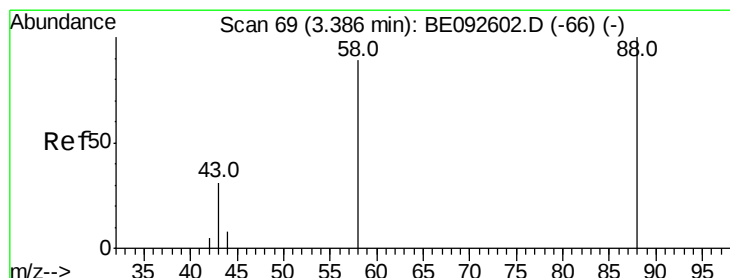
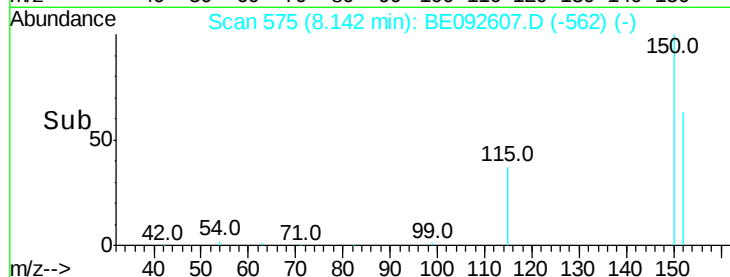
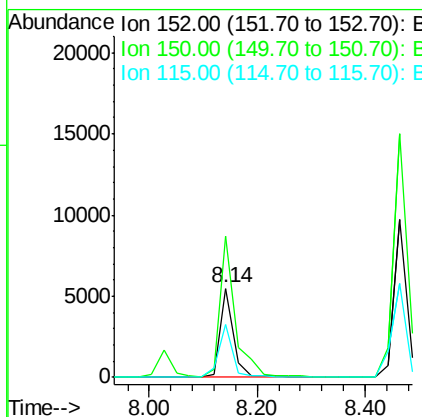
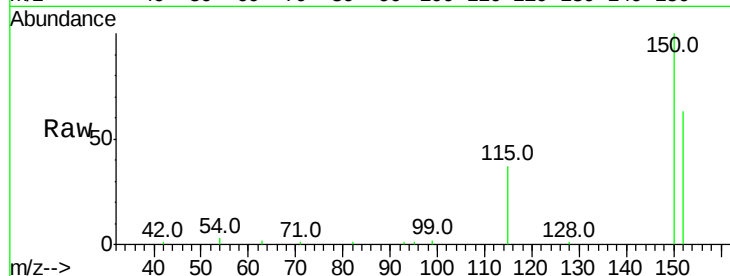
ClientSampleId :

SSTDICC010

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	106.0	159.0
115	58.8	31.2	46.8

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#2

1,4-Dioxane

Concen: 8.12 ng

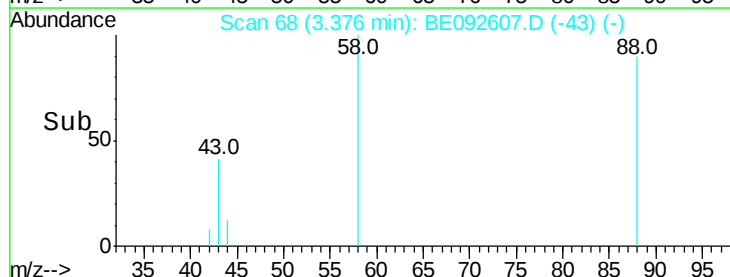
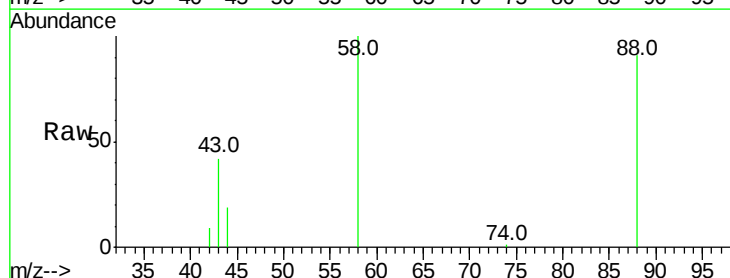
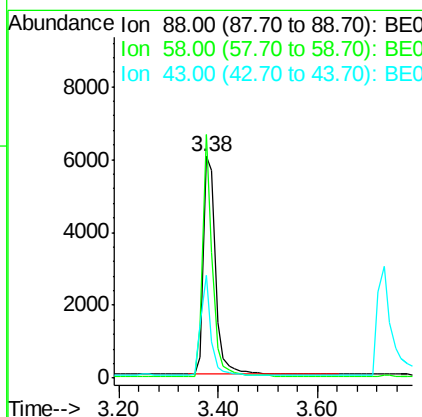
RT: 3.38 min Scan# 68

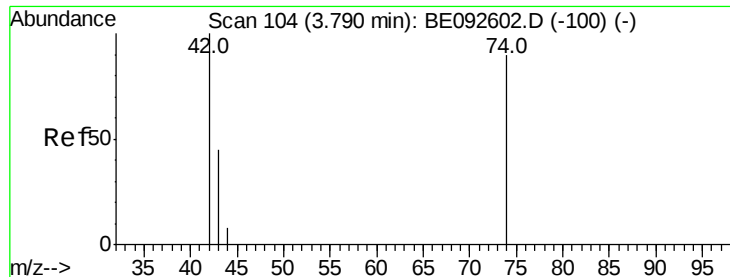
Delta R.T. -0.01 min

Lab File: BE092607.D

Acq: 19 Dec 2016 14:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	89.2	63.6	95.4
43	38.0	28.0	42.0





#3

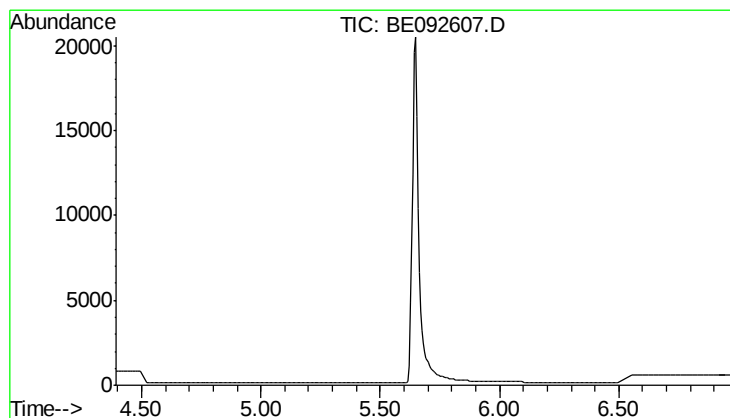
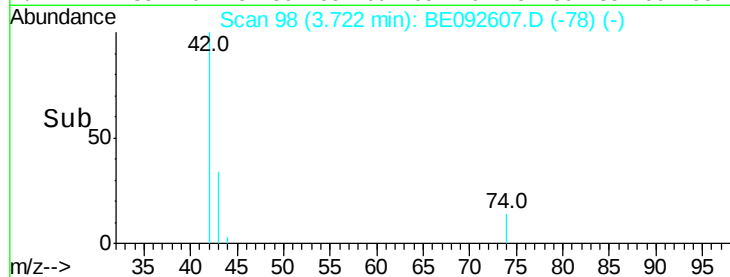
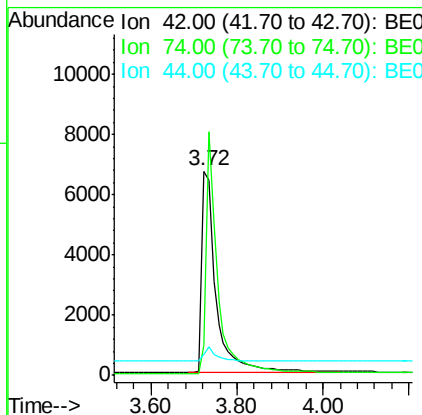
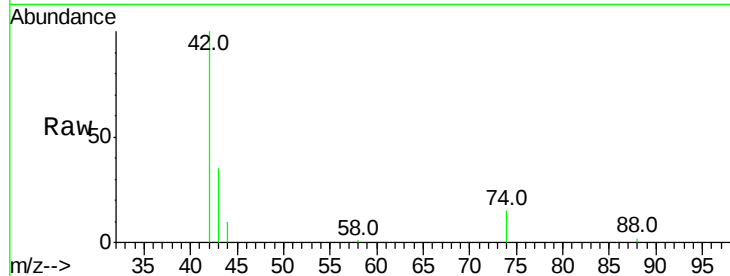
n-Nitrosodimethylamine
Concen: 13.15 ng
RT: 3.72 min Scan# 98
Delta R.T. -0.07 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
74	97.9	86.0	129.0
44	6.0	5.1	7.7

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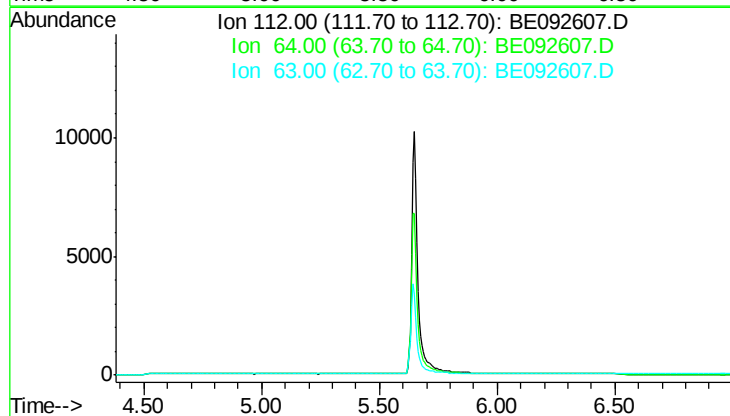


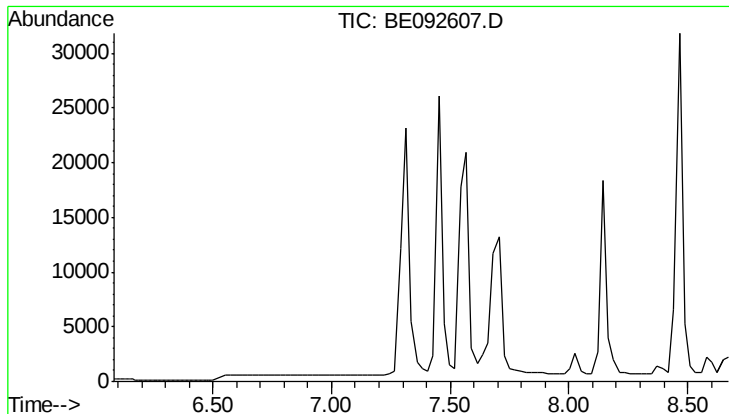
#4

2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.69 min

Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Tgt Ion	Sig	Exp Ratio
112	100	
64	66.9	
63	34.9	





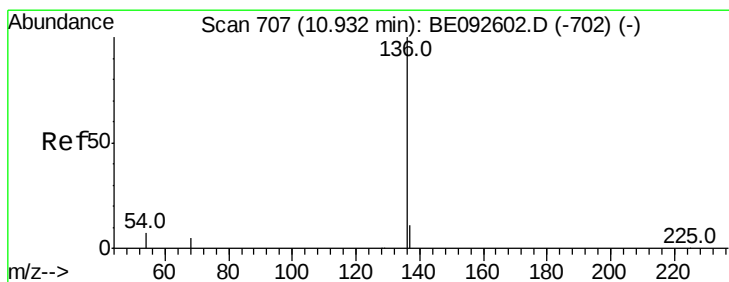
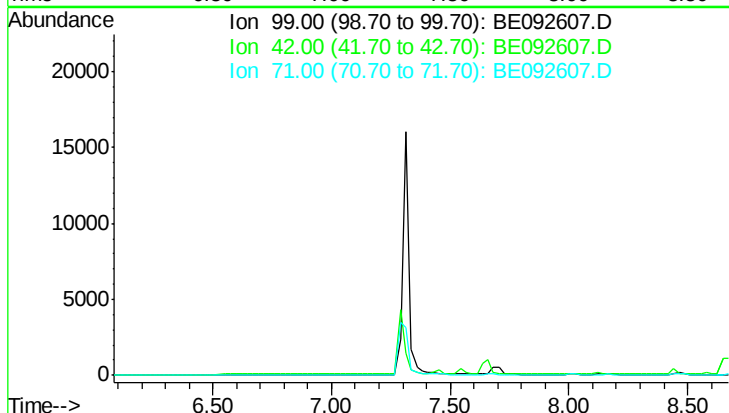
#5
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 7.38 min
 Lab File: BE092607.D
 Acq: 19 Dec 2016 14:39

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tot Ion: 99
 Sig Exp Ratio
 99 100
 42 20.0
 71 38.2

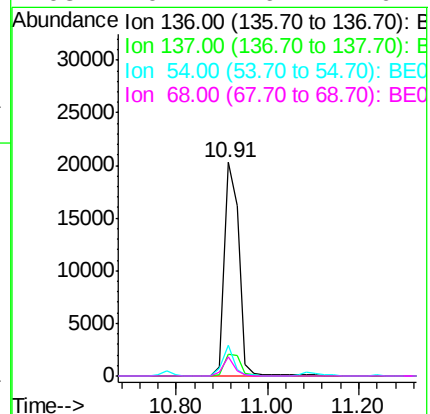
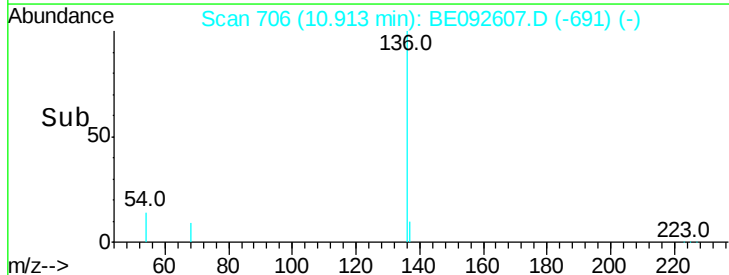
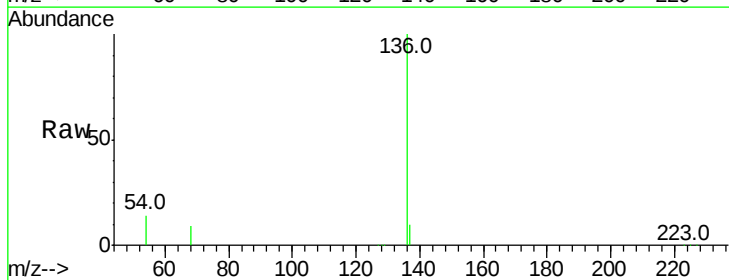
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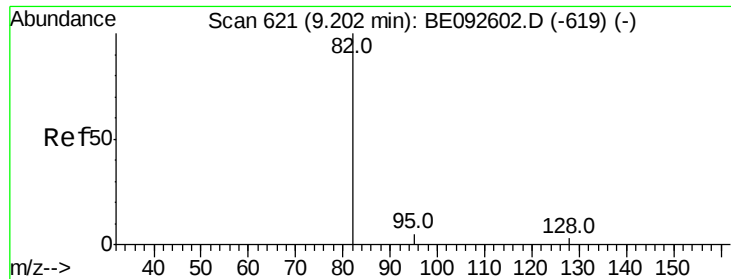
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#7
 Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.91 min Scan# 706
 Delta R.T. -0.02 min
 Lab File: BE092607.D
 Acq: 19 Dec 2016 14:39

Tgt Ion:136 Resp: 44847
 Ion Ratio Lower Upper
 136 100
 137 9.9 8.2 12.4
 54 14.2 9.6 14.4
 68 9.2 6.7 10.1





#8

Nitrobenzene-d5

Concen: 13.29 ng

RT: 9.29 min Scan# 625

Delta R.T. -0.07 min

Lab File: BE092607.D

Acq: 19 Dec 2016 14:39

Instrument :

BNA_E

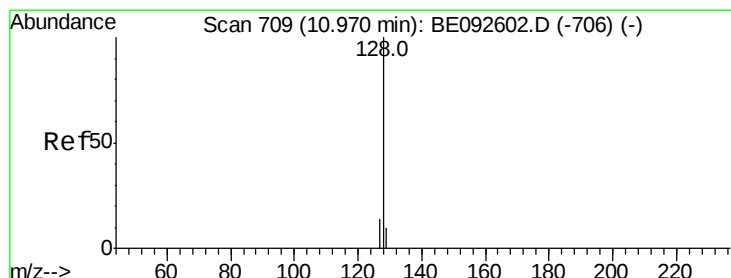
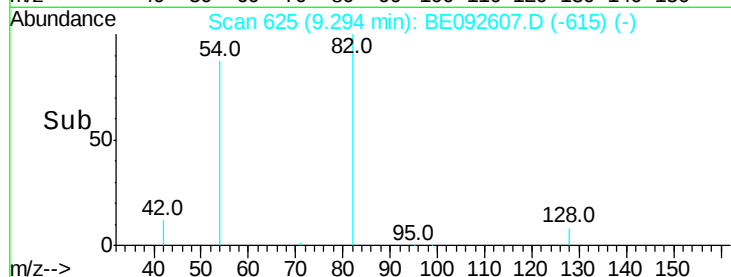
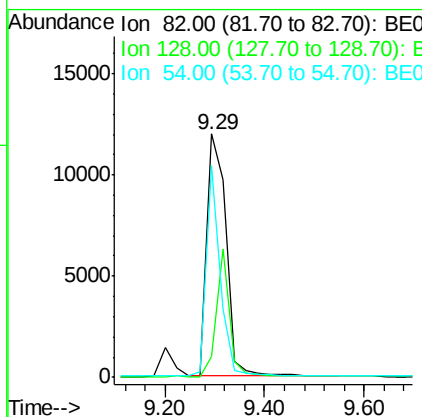
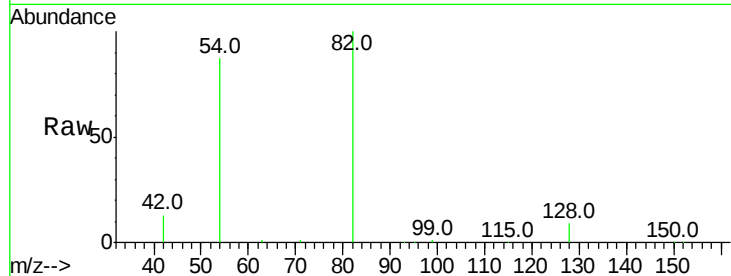
ClientSampleId :

SSTDIC010

Tot Ion:	82	Resp:	32111
Ion Ratio	Lower	Upper	
82	100		
128	8.8	39.0	58.4#
54	87.0	44.8	67.2#

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#9

Naphthalene

Concen: 9.64 ng

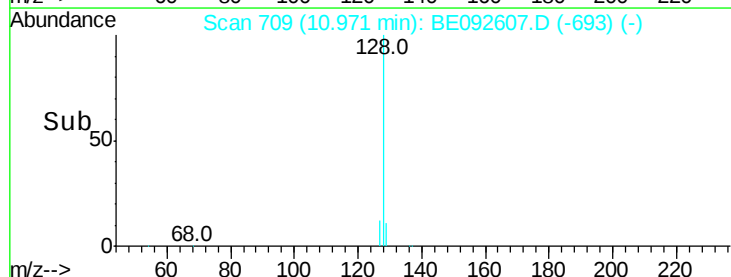
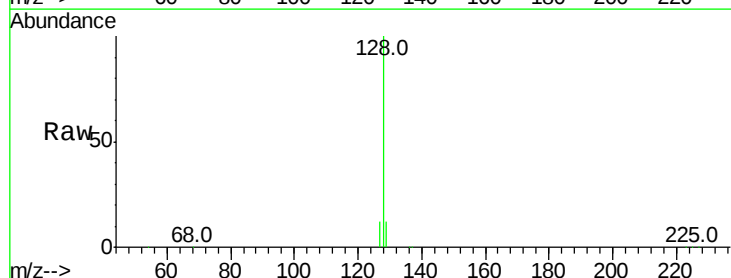
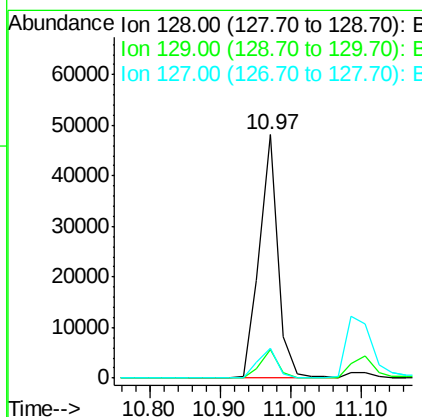
RT: 10.97 min Scan# 709

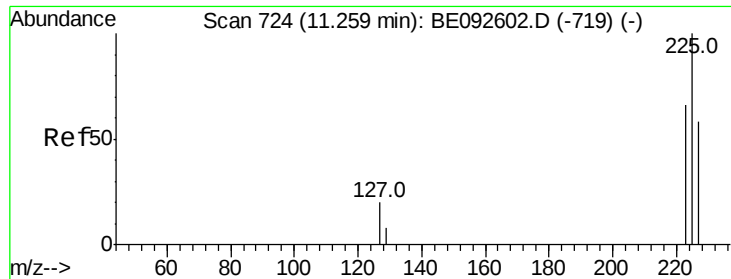
Delta R.T. 0.00 min

Lab File: BE092607.D

Acq: 19 Dec 2016 14:39

Tgt Ion:	128	Resp:	89207
Ion Ratio	Lower	Upper	
128	100		
129	11.5	11.2	16.8
127	12.2	11.6	17.4





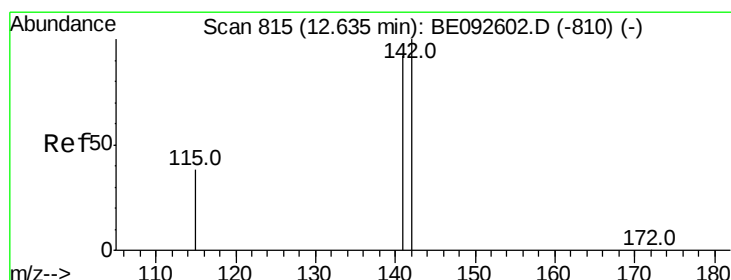
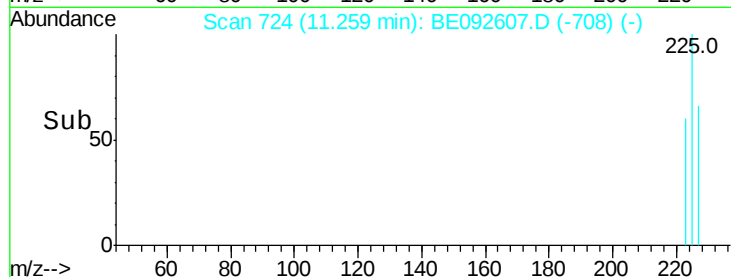
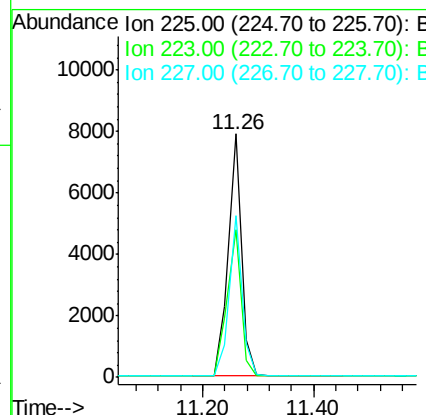
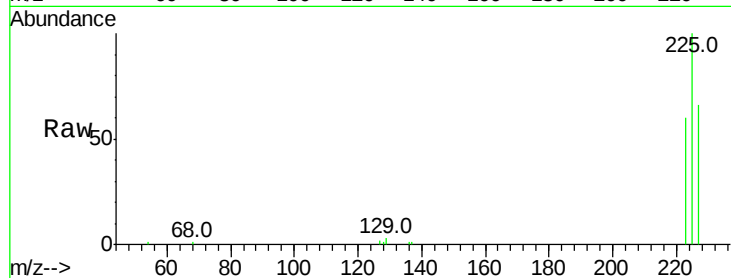
#10
Hexachlorobutadiene
Concen: 9.34 ng
RT: 11.26 min Scan# 724
Delta R.T. 0.00 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	76.0
227	64.5	51.4	77.0

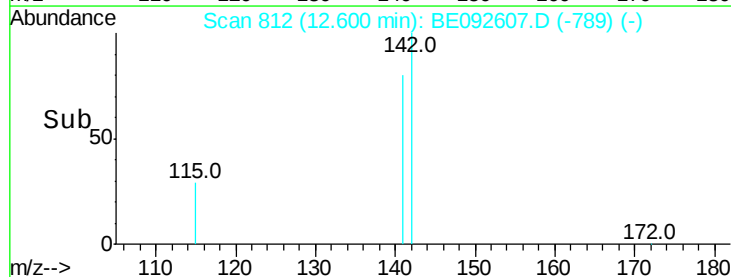
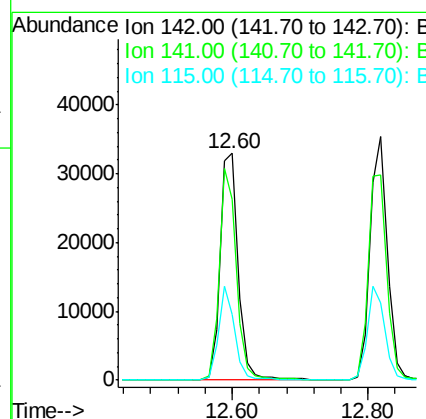
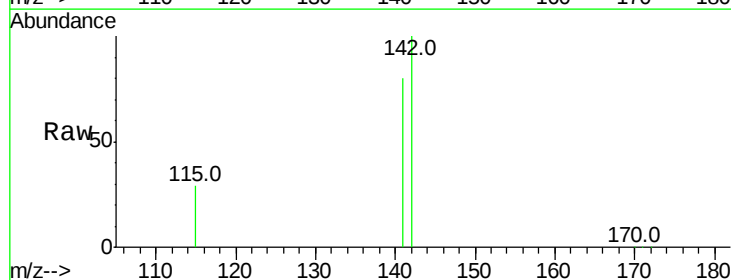
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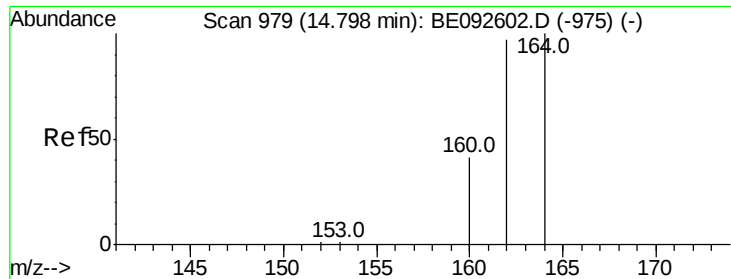
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#11
2-Methylnaphthalene
Concen: 10.43 ng
RT: 12.60 min Scan# 812
Delta R.T. -0.04 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.8	73.7	110.5
115	28.8	34.0	51.0#





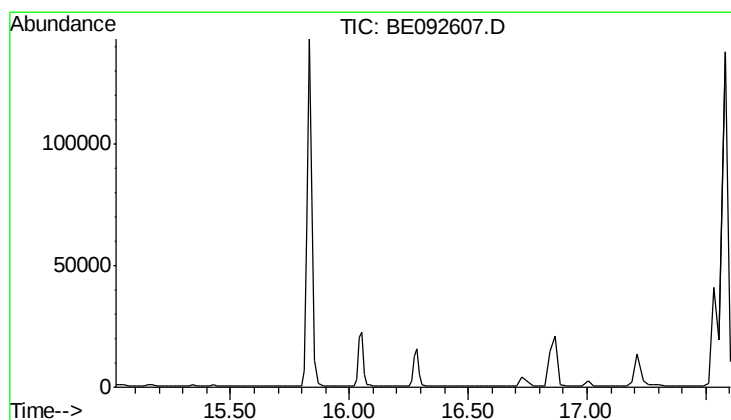
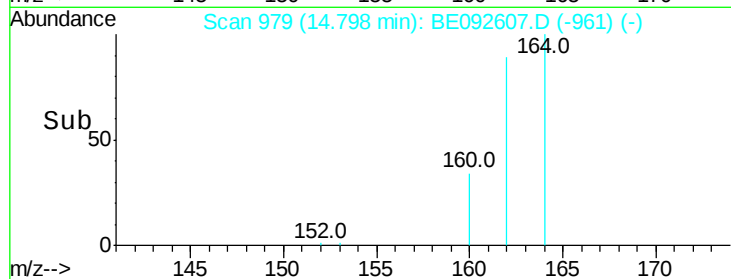
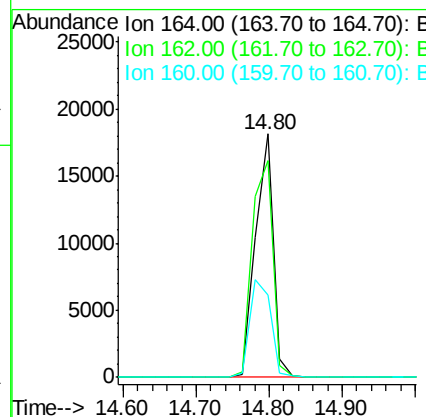
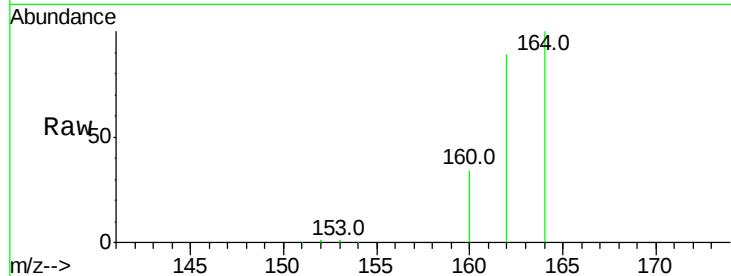
#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.80 min Scan# 979
Delta R.T. -0.00 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
164	100				
162	89.2	71.4	107.0		
160	33.8	27.4	41.2		

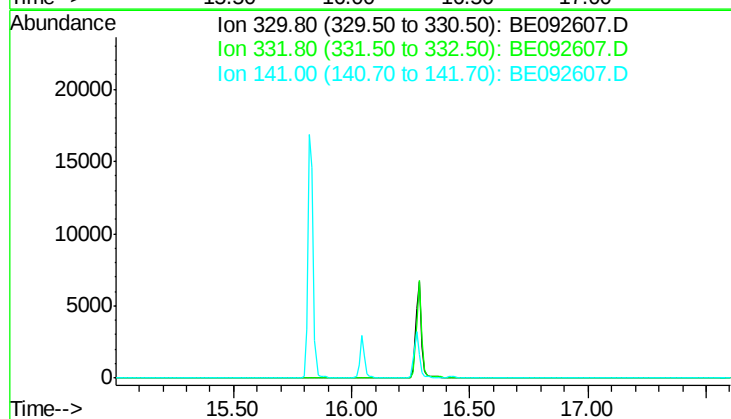
Manual Integrations
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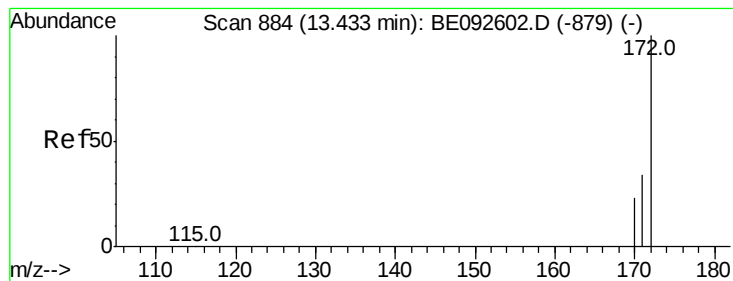
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#13
2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 16.31 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Tgt Ion	Sig	Exp Ratio
330	100	
332	94.2	
141	38.8	





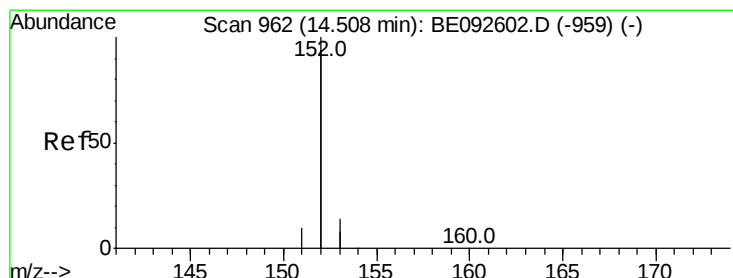
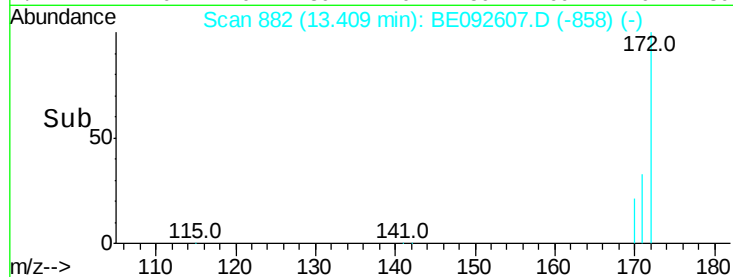
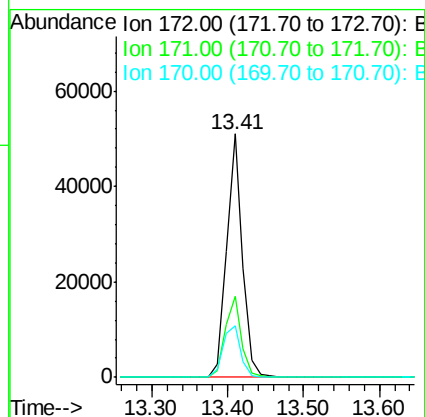
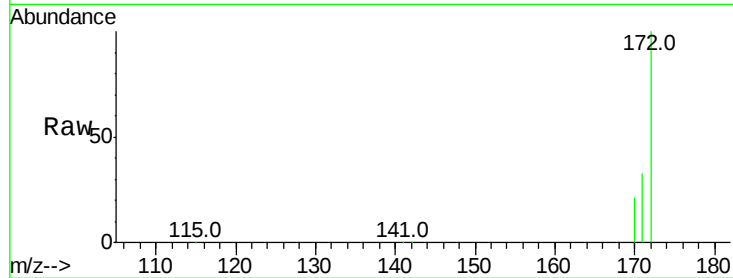
#14
2-Fluorobiphenyl
Concen: 9.94 ng
RT: 13.41 min Scan# 882
Delta R.T. -0.02 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion:172 Resp: 74777
Ion Ratio Lower Upper
172 100
171 33.0 30.1 45.1
170 21.2 21.8 32.6#

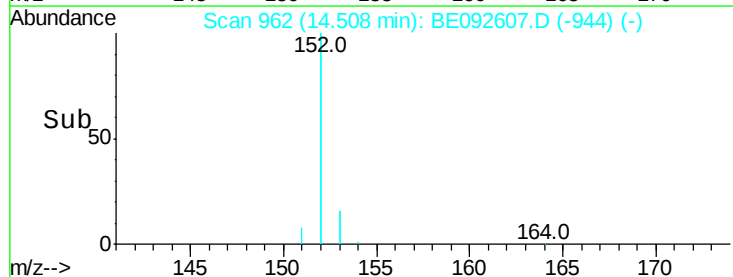
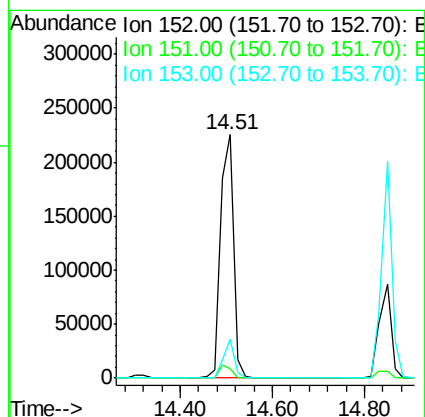
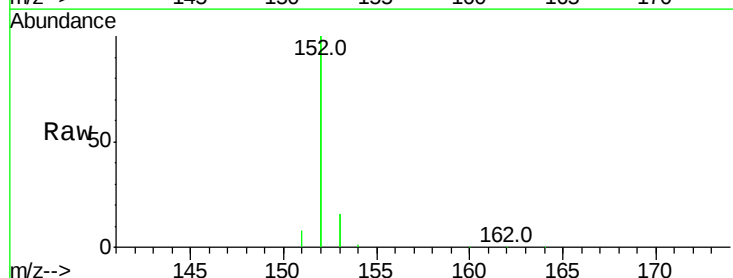
Manual Integrations
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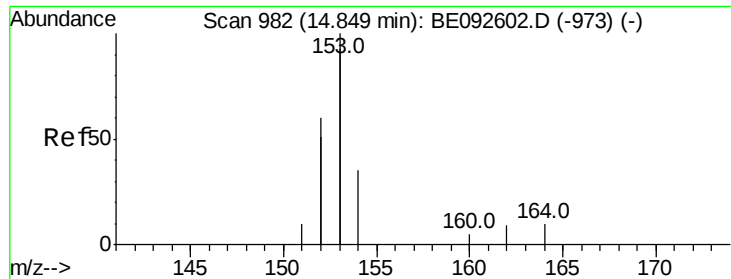
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#15
Acenaphthylene
Concen: 10.48 ng
RT: 14.51 min Scan# 962
Delta R.T. -0.00 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Tgt Ion:152 Resp: 450064
Ion Ratio Lower Upper
152 100
151 4.9 3.9 5.9
153 13.0 10.4 15.6





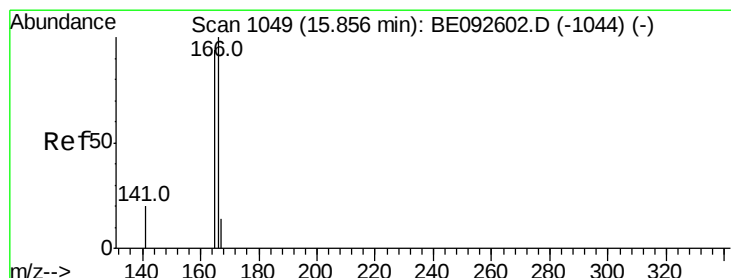
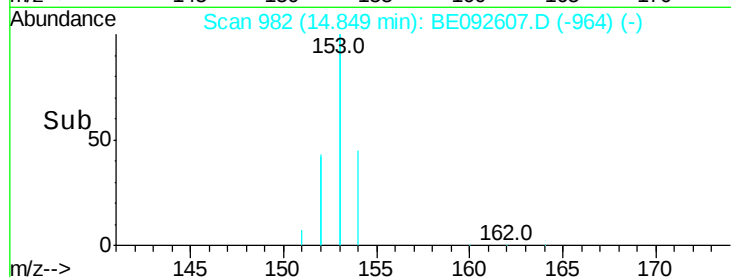
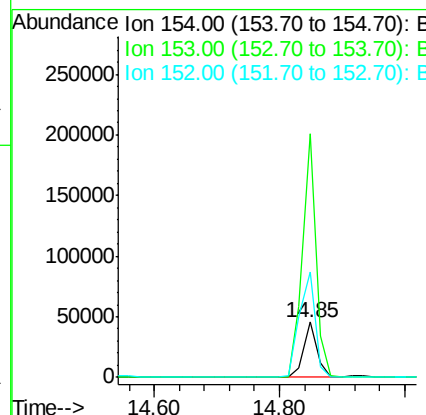
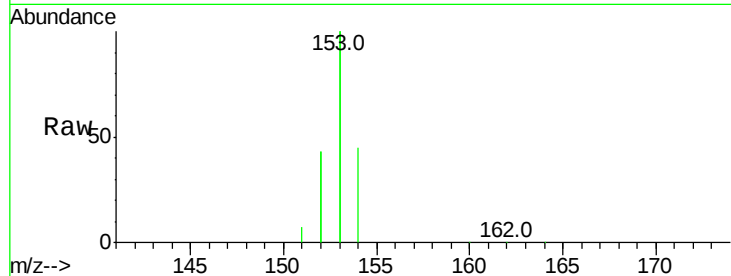
#16
Acenaphthene
Concen: 9.59 ng
RT: 14.85 min Scan# 982
Delta R.T. -0.00 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
154	100		
153	450.3	350.8	526.2
152	224.3	171.1	256.7

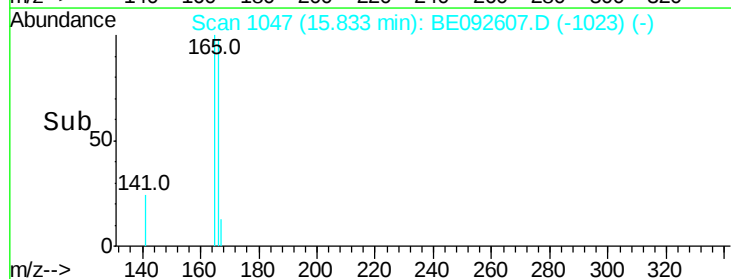
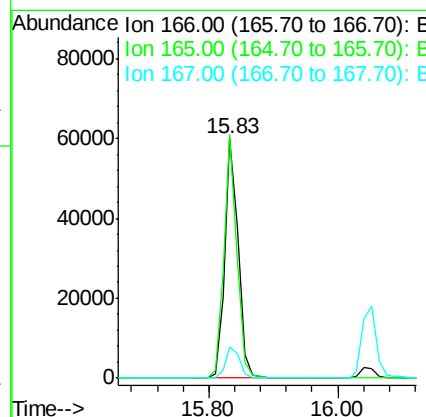
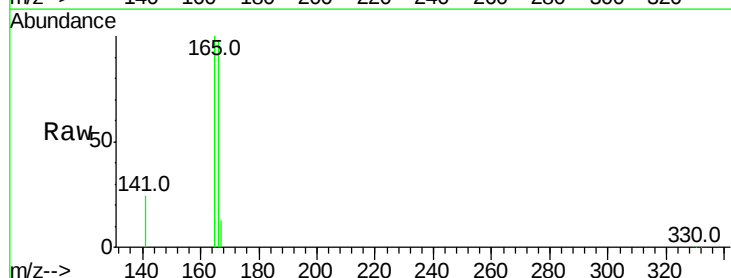
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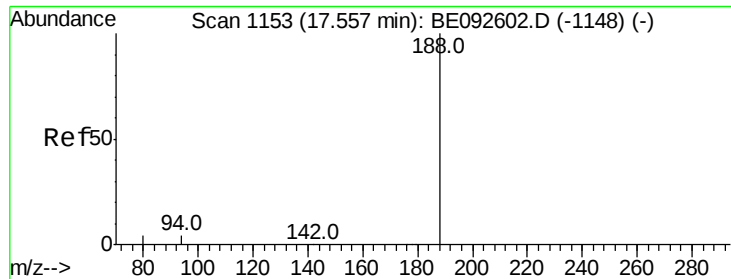
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#17
Fluorene
Concen: 10.17 ng
RT: 15.83 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.2	117.4
167	13.5	11.0	16.4





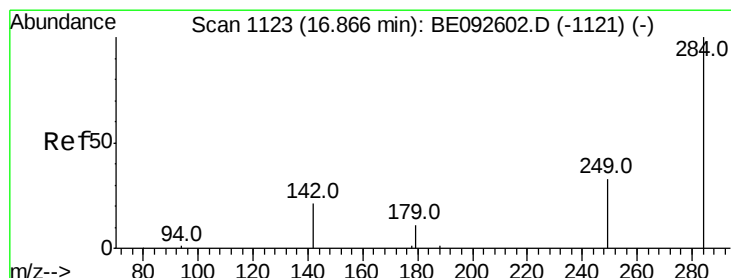
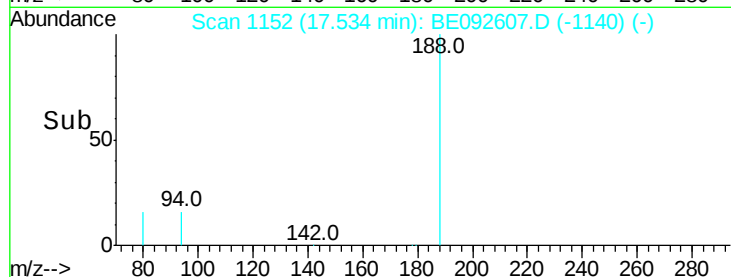
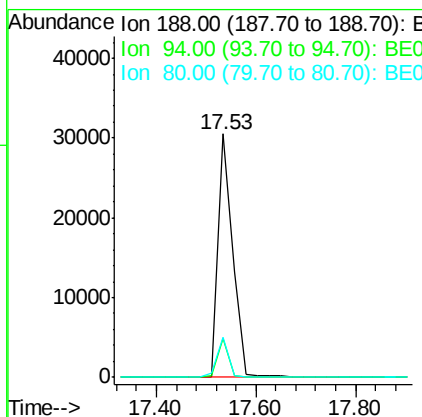
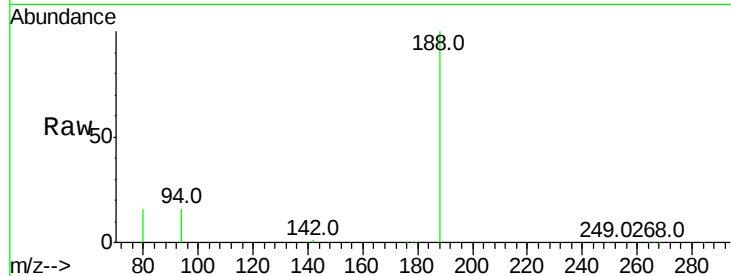
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.53 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
188	100		
94	15.8	3.2	4.8#
80	16.5	2.6	3.8#

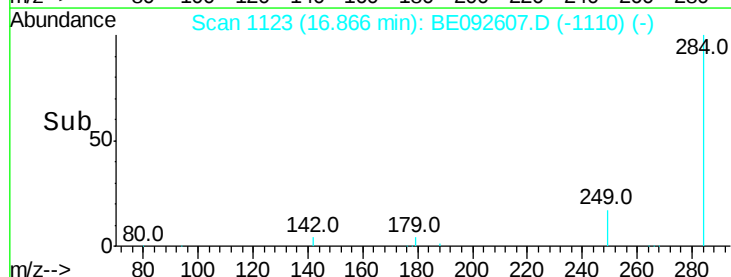
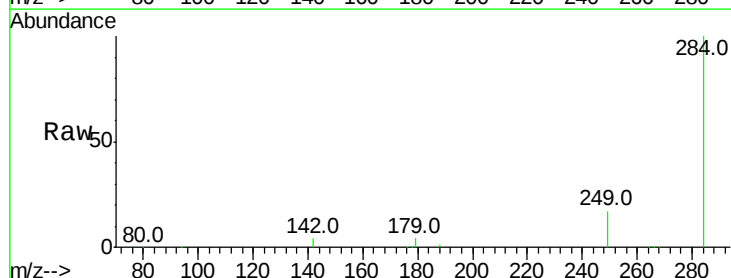
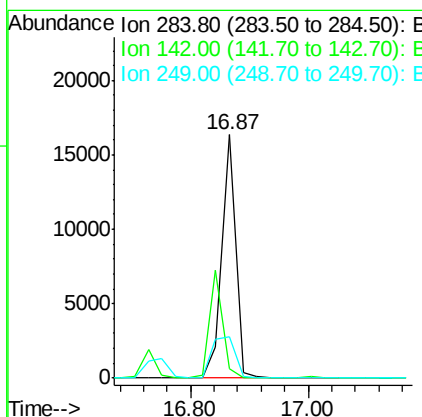
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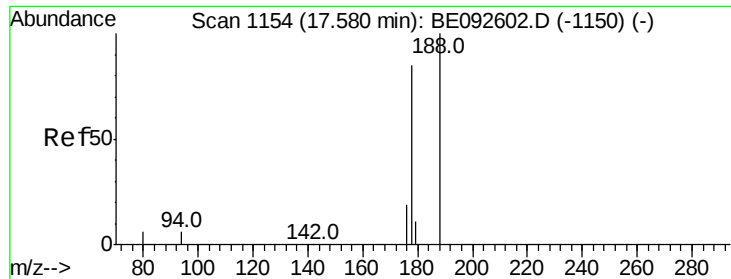
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#19
Hexachlorobenzene
Concen: 10.66 ng
RT: 16.87 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

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





#21

Phenanthrene

Concen: 11.36 ng

RT: 17.58 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BE092607.D

Acq: 19 Dec 2016 14:39

Instrument :

BNA_E

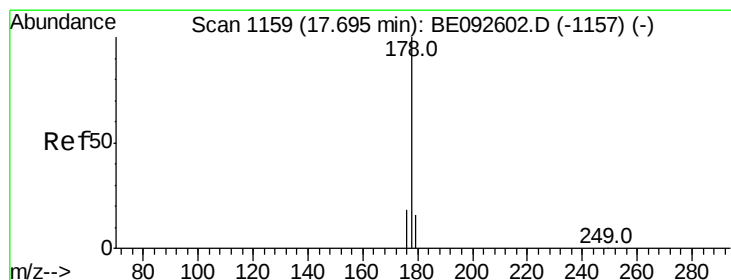
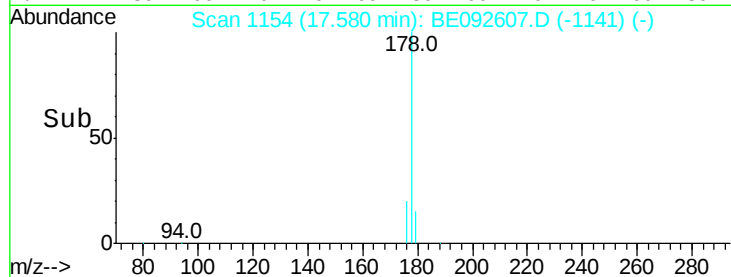
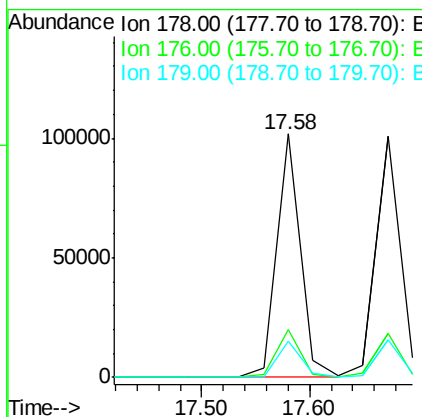
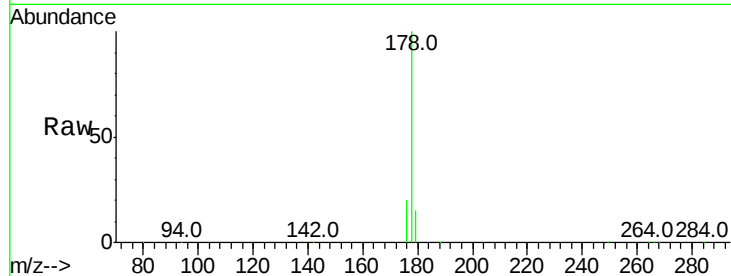
ClientSampleId :

SSTDICC010

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.3	16.0	24.0

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#22

Anthracene

Concen: 12.31 ng

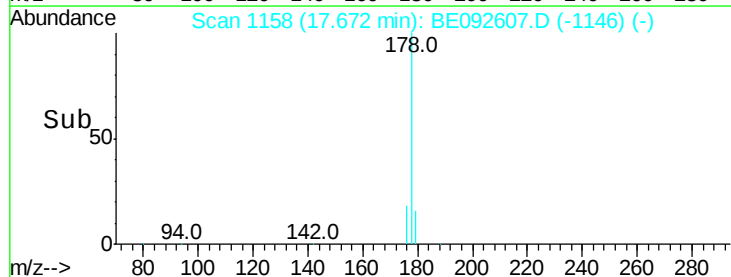
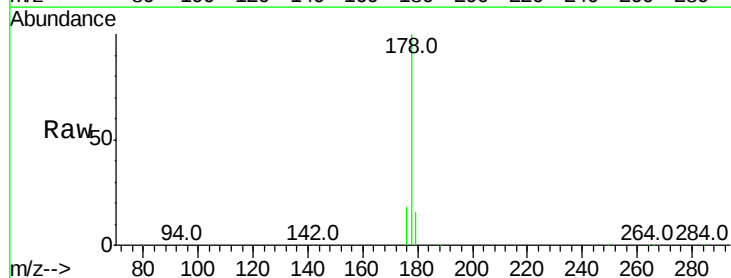
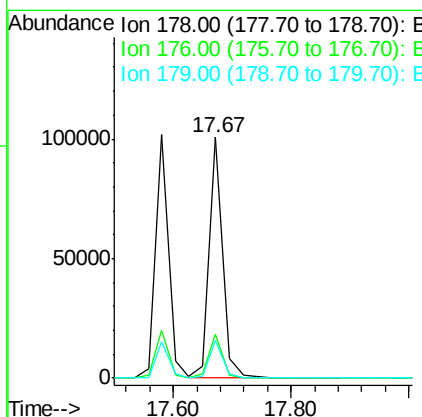
RT: 17.67 min Scan# 1158

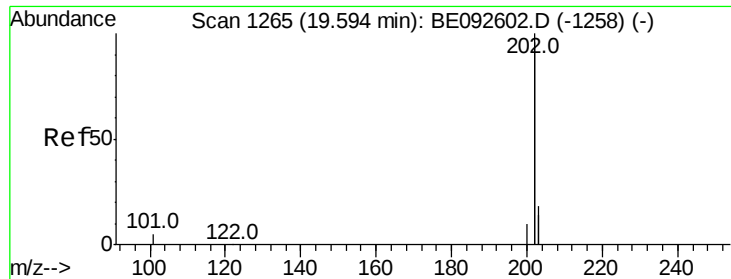
Delta R.T. -0.02 min

Lab File: BE092607.D

Acq: 19 Dec 2016 14:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.8	12.2	18.2





#23

Fluoranthene

Concen: 11.06 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092607.D

Acq: 19 Dec 2016 14:39

Instrument :

BNA_E

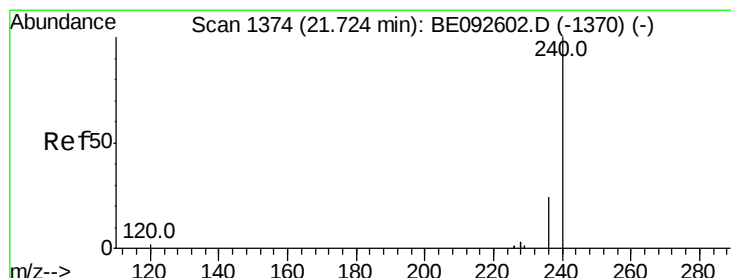
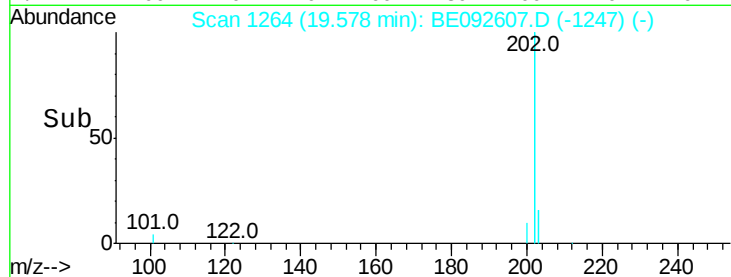
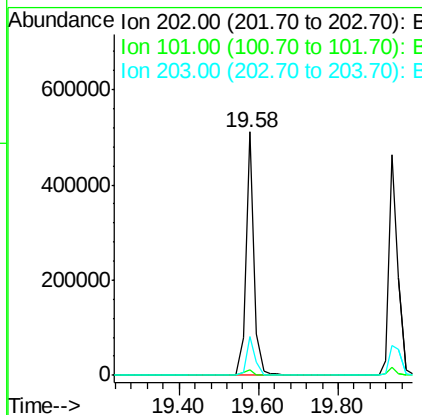
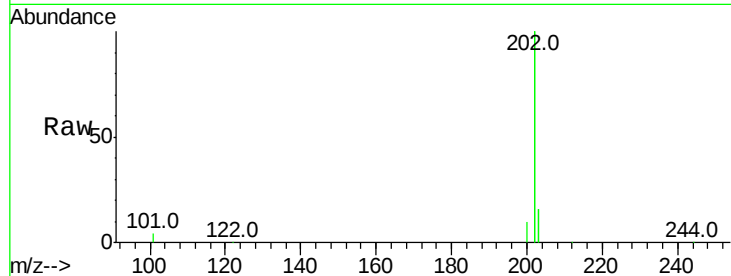
ClientSampleId :

SSTDIC010

Tot Ion:	202	Resp:	712205
Ion Ratio	Lower	Upper	
202	100		
101	2.8	2.2	3.4
203	17.0	13.7	20.5

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#24

Chrysene-d12

Concen: 5.00 ng

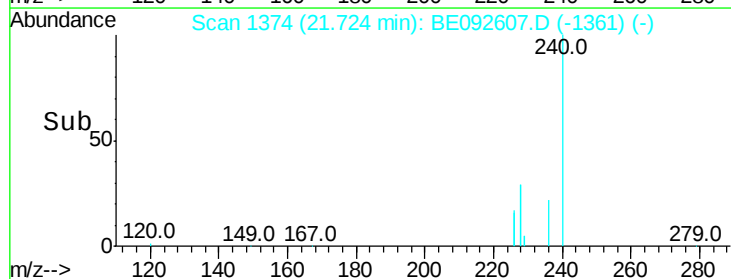
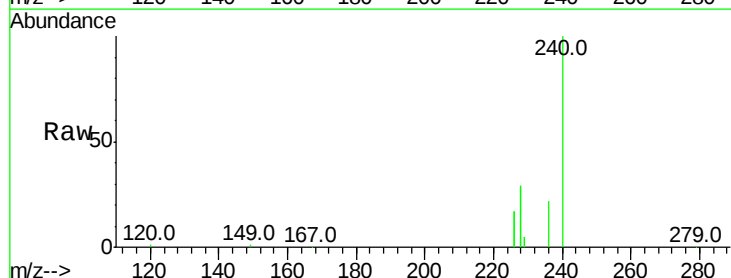
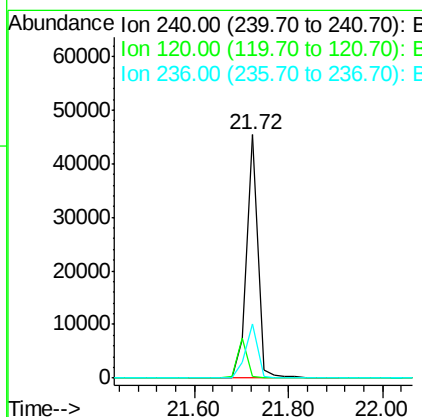
RT: 21.72 min Scan# 1374

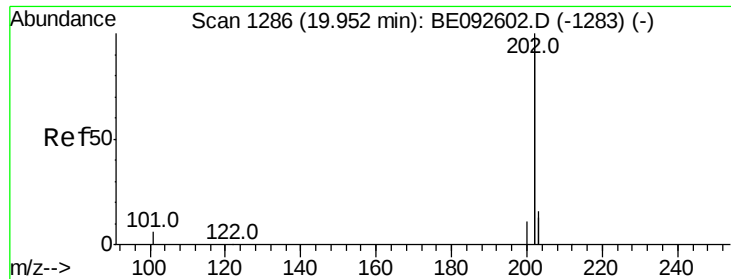
Delta R.T. -0.00 min

Lab File: BE092607.D

Acq: 19 Dec 2016 14:39

Tgt Ion:	240	Resp:	75326
Ion Ratio	Lower	Upper	
240	100		
120	0.8	2.6	4.0#
236	22.3	24.6	37.0#





#25

Pvrene

Concen: 12.25 ng

RT: 19.94 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BE092607.D

Acq: 19 Dec 2016 14:39

Instrument :

BNA_E

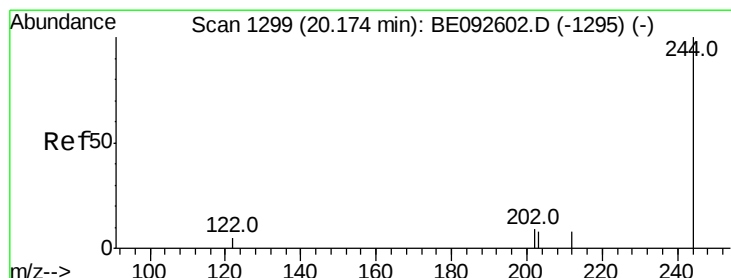
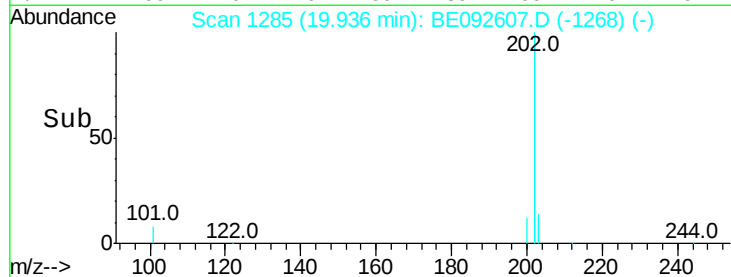
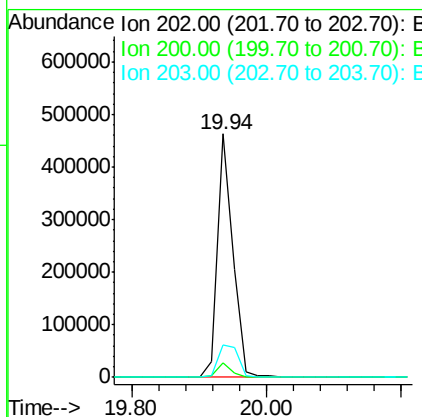
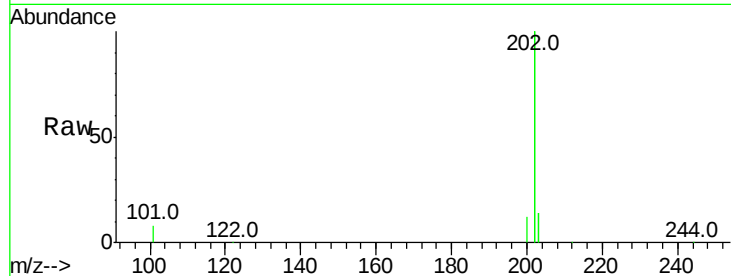
ClientSampleId :

SSTDIC010

Tot Ion:	202	Resp:	733563
Ion Ratio	Lower	Upper	
202	100		
200	5.4	4.2	6.4
203	17.5	13.9	20.9

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#26

Terphenyl-d14

Concen: 11.70 ng

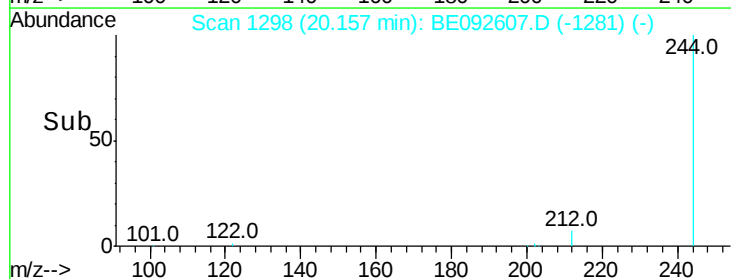
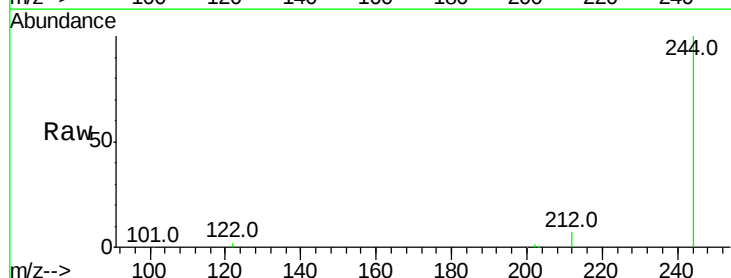
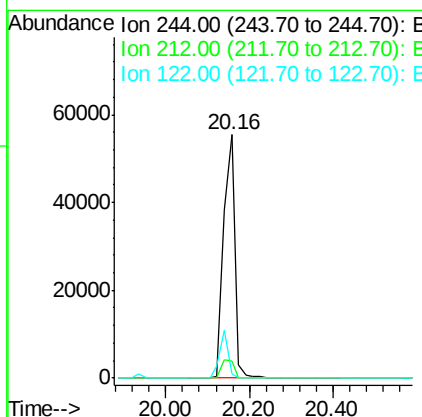
RT: 20.16 min Scan# 1298

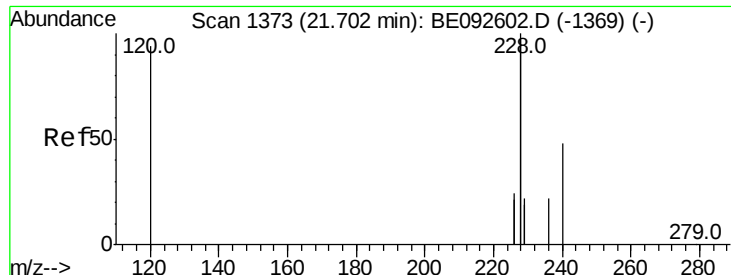
Delta R.T. -0.02 min

Lab File: BE092607.D

Acq: 19 Dec 2016 14:39

Tgt Ion:	244	Resp:	100806
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.7	10.1
122	1.5	3.6	5.4#





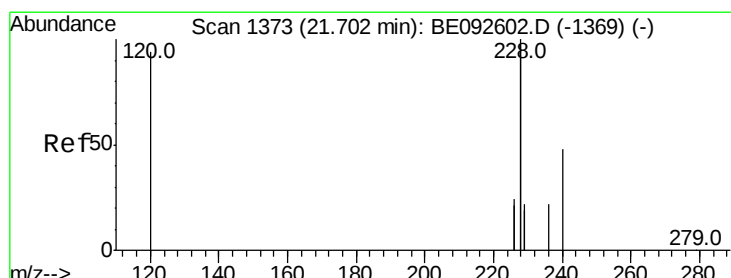
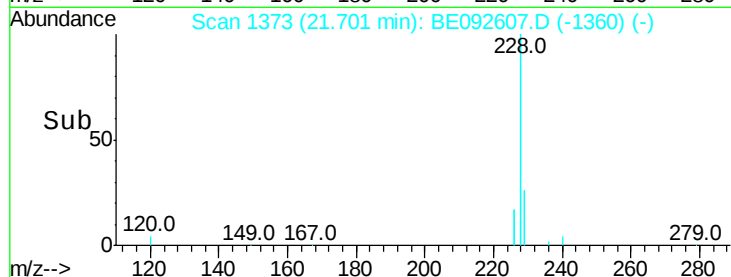
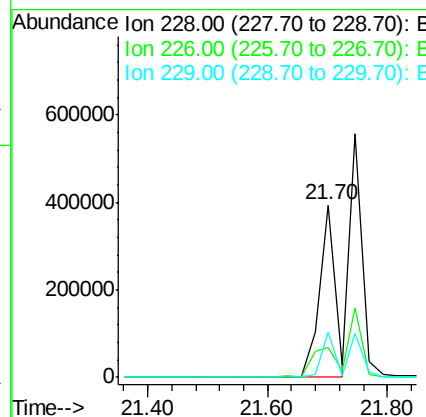
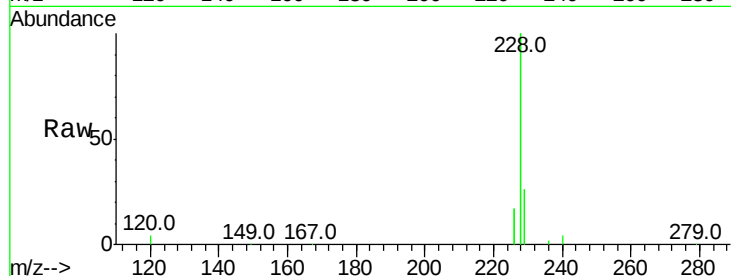
#27
Benzo(a)anthracene
Concen: 10.06 ng
RT: 21.70 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tot Ion	Ratio	Lower	Upper
228	100		
226	17.3	23.6	35.4#
229	26.3	13.3	19.9#

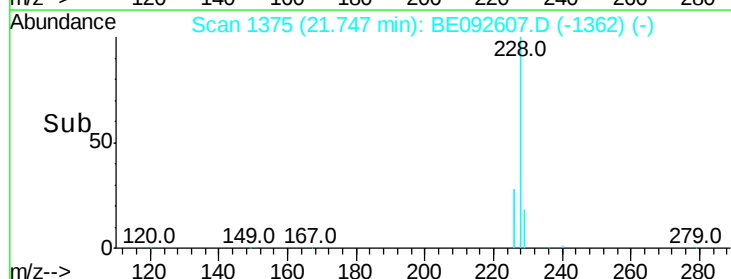
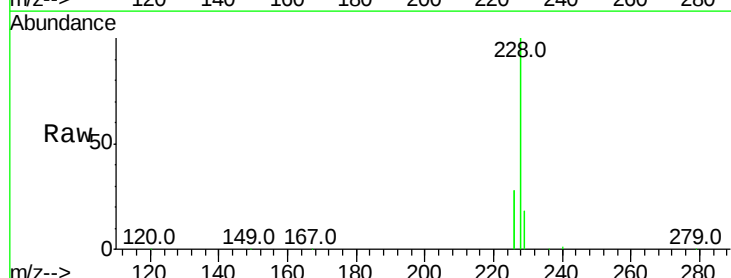
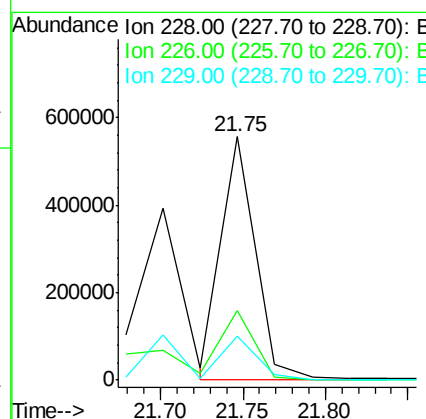
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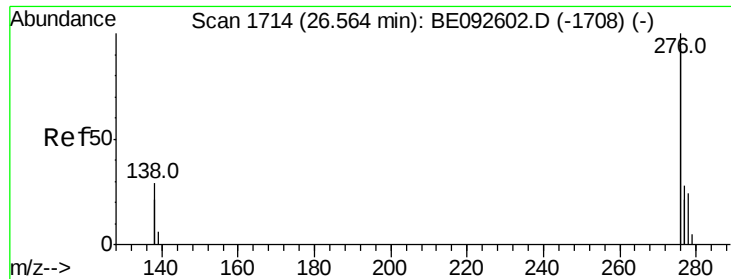
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#28
Chrysene
Concen: 12.83 ng m
RT: 21.75 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	36.3	54.5#
229	17.9	10.6	16.0#





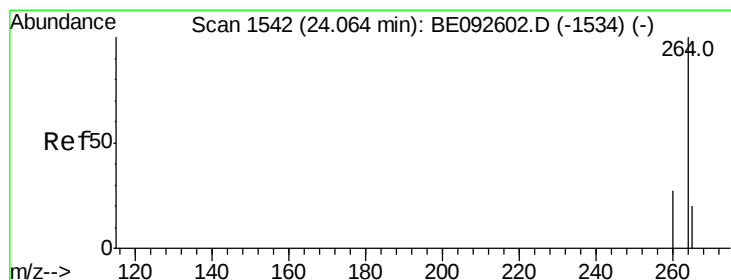
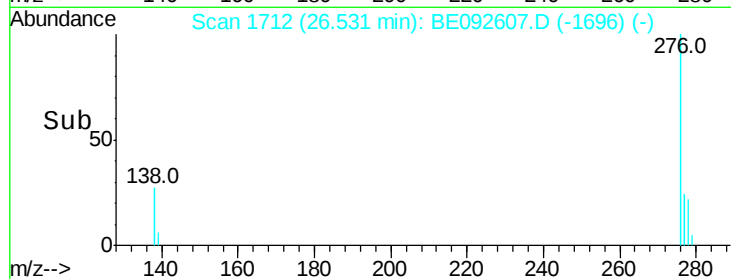
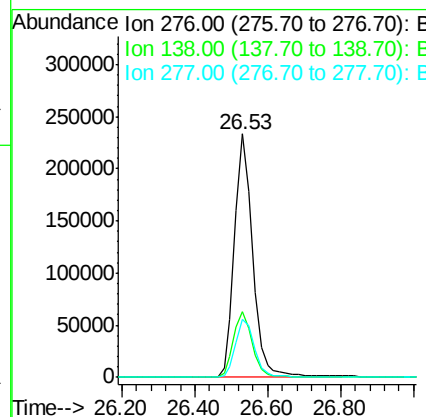
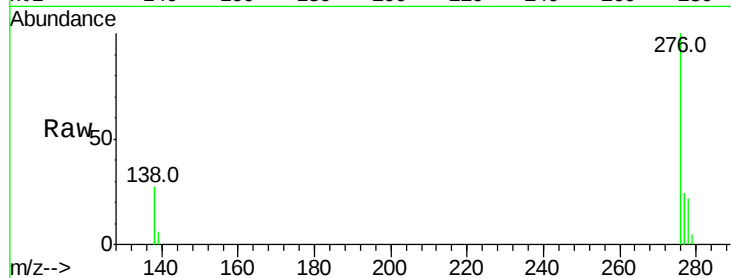
#30
 Indeno(1,2,3-cd)pyrene
 Concen: 11.32 ng
 RT: 26.53 min Scan# 1712
 Delta R.T. -0.03 min
 Lab File: BE092607.D
 Acq: 19 Dec 2016 14:39

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	20.3	30.5
277	24.9	19.7	29.5

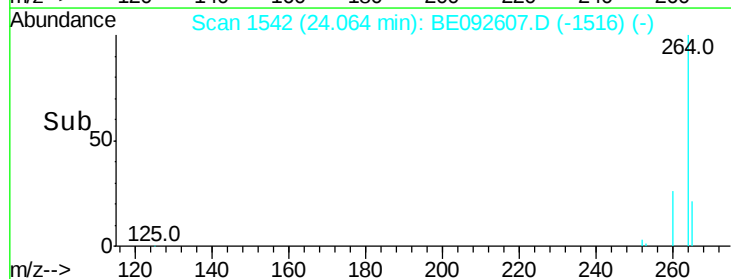
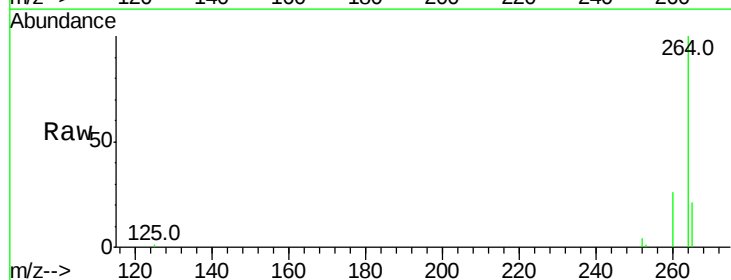
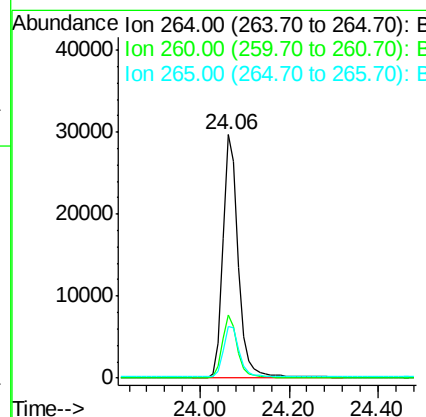
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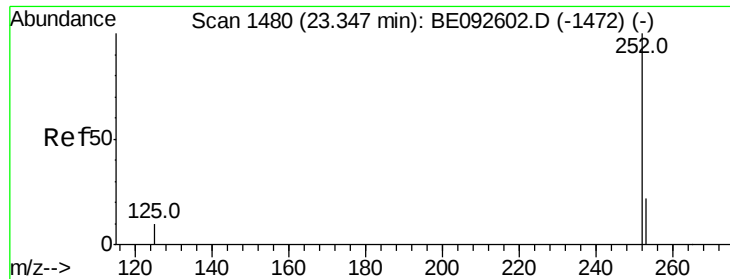
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#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.06 min Scan# 1542
 Delta R.T. -0.00 min
 Lab File: BE092607.D
 Acq: 19 Dec 2016 14:39

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.1	30.1
265	21.3	17.9	26.9





#32

Benzo(b)fluoranthene

Concen: 10.34 ng

RT: 23.34 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BE092607.D

Acq: 19 Dec 2016 14:39

Instrument :

BNA_E

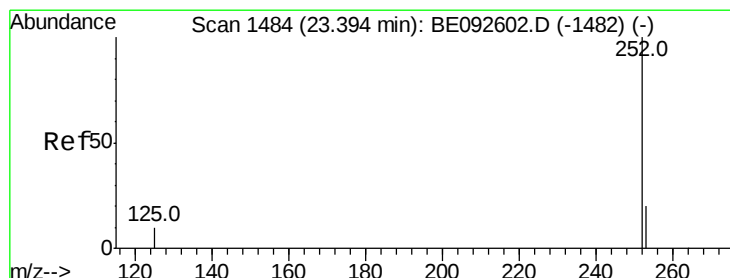
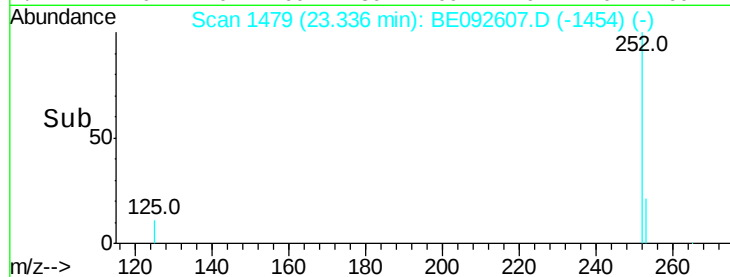
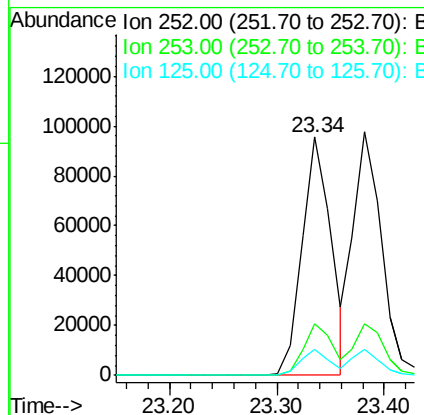
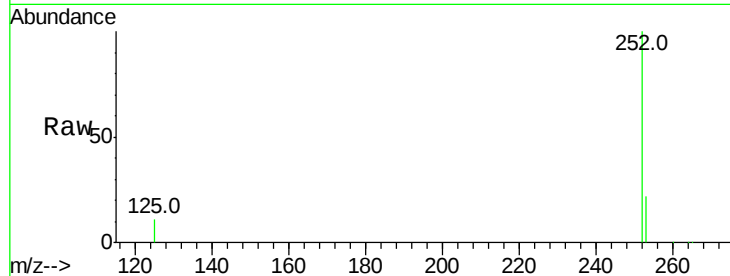
ClientSampleId :

SSTDIC010

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.7	28.1
125	10.9	10.5	15.7

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#33

Benzo(k)fluoranthene

Concen: 10.11 ng

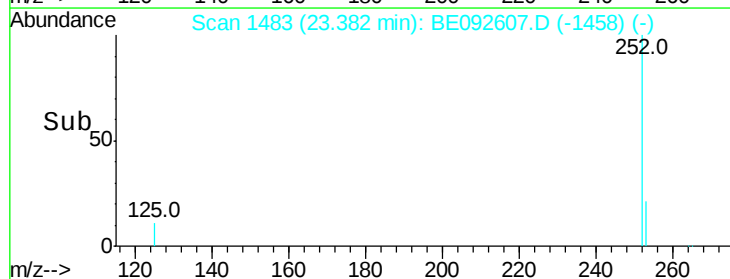
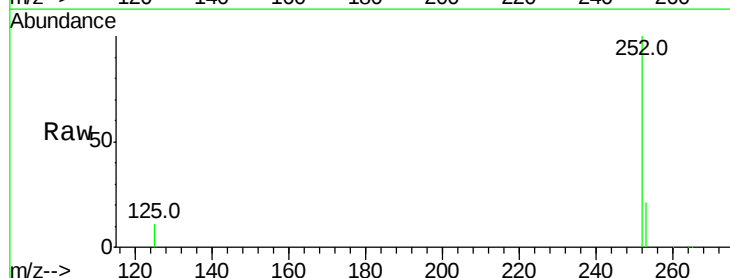
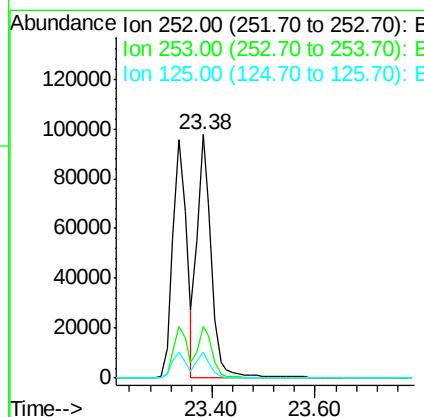
RT: 23.38 min Scan# 1483

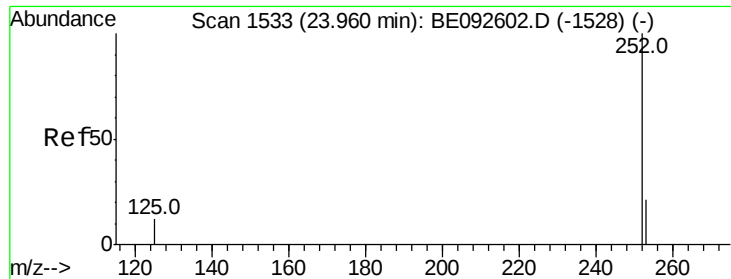
Delta R.T. -0.01 min

Lab File: BE092607.D

Acq: 19 Dec 2016 14:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	20.3	30.5
125	10.9	9.6	14.4





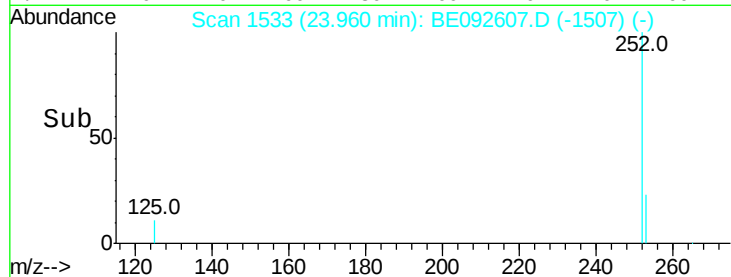
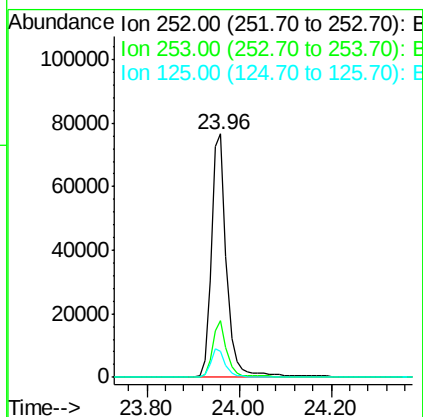
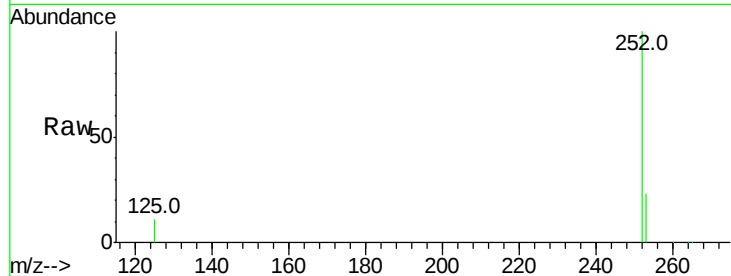
#34
Benzo(a)pyrene
Concen: 10.88 ng
RT: 23.96 min Scan# 1533
Delta R.T. -0.00 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Instrument :
BNA_E
ClientSampleId :
SSTDICC010

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.6
125	10.8	11.8	17.8

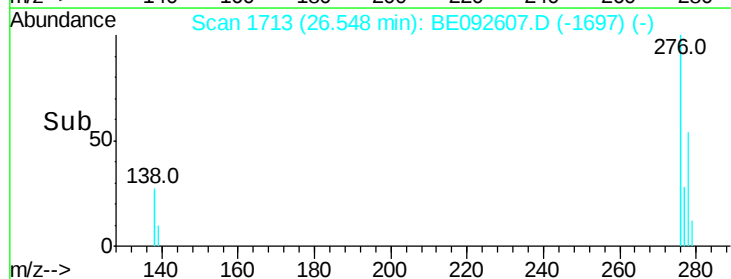
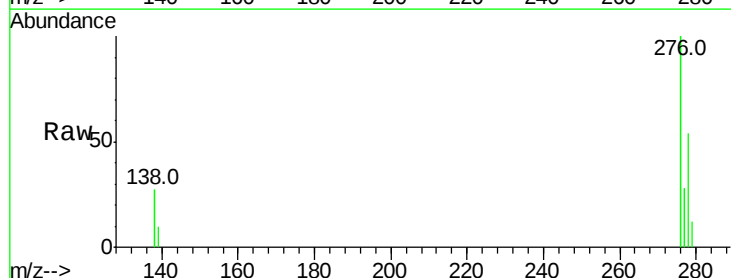
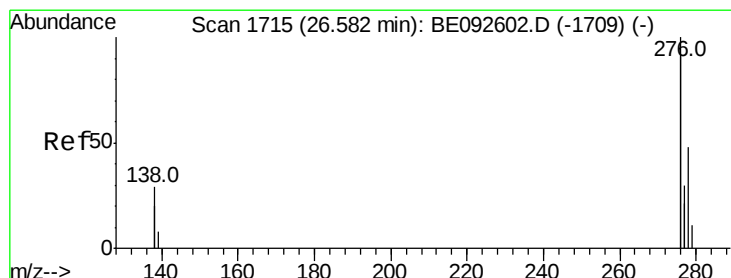
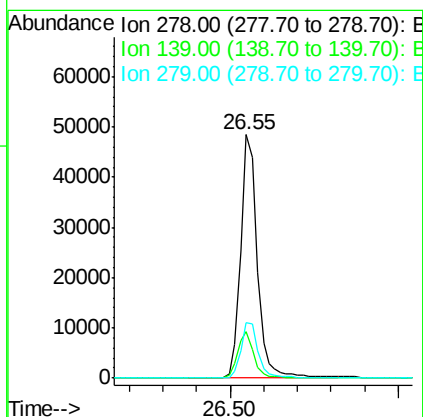
Manual Integrations
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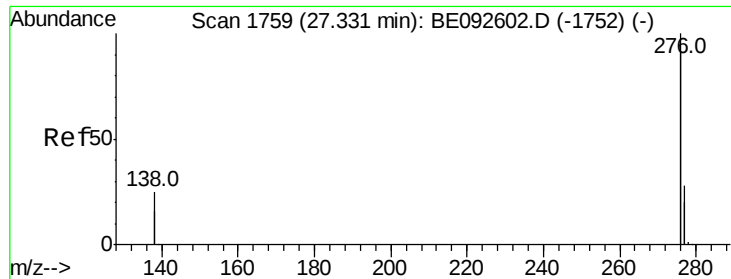
sohil
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#35
Dibenzo(a,h)anthracene
Concen: 10.52 ng
RT: 26.55 min Scan# 1713
Delta R.T. -0.03 min
Lab File: BE092607.D
Acq: 19 Dec 2016 14:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.0	13.8	20.8
279	22.7	21.4	32.2





#36
 Benzo(a,h,i)perylene
 Concen: 10.23 ng
 RT: 27.30 min Scan# 1757
 Delta R.T. -0.03 min
 Lab File: BE092607.D
 Acq: 19 Dec 2016 14:39

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.8	29.8
138	23.4	19.8	29.6

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