

Data Path : Z:\HPCHEM1\BNA E\DATA\BE082916\
 Data File : BE092291.D
 Acq On : 29 Aug 2016 15:47
 Operator : UM/SJ
 Sample : SSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Manual Integrations
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Quant Time: Aug 29 18:40:27 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 29 16:18:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.19	152	10738	5.00	ng	0.00
7) Naphthalene-d8	10.95	136	51152	5.00	ng	-0.02
12) Acenaphthene-d10	14.83	164	28552	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	68862	5.00	ng	0.00
24) Chrysene-d12	21.75	240	88024	5.00	ng	0.00
31) Perylene-d12	24.12	264	72430	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.69	112	13886	6.11	ng	-0.02
5) Phenol-d6	7.34	99	19381	6.34	ng	-0.04
8) Nitrobenzene-d5	9.34	82	19577	6.21	ng	-0.02
13) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
14) 2-Fluorobiphenyl	13.44	172	45813	5.08	ng	-0.01
26) Terphenyl-d14	20.19	244	57579	4.86	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.43	88	6937	4.38	ng	94
9) Naphthalene	11.01	128	57123	4.96	ng	# 94
10) Hexachlorobutadiene	11.30	225	8396	4.77	ng	98
11) 2-Methylnaphthalene	12.64	142	37060	5.33	ng	93
15) Acenaphthylene	14.54	152	259025	5.37	ng	99
16) Acenaphthene	14.88	154	39125	4.83	ng	96
17) Fluorene	15.87	166	50488	5.25	ng	98
19) Hexachlorobenzene	16.89	284	14439	5.15	ng	# 100
20) Pentachlorophenol	17.23	266	5604	9.24	ng	# 80
21) Phenanthrene	17.60	178	77110	4.71	ng	# 81
22) Anthracene	17.69	178	77163	5.31	ng	# 83
23) Fluoranthene	19.61	202	384581	5.42	ng	100
25) Pvrene	19.97	202	408146	5.10	ng	100
27) Benzo(a)anthracene	21.72	228	445794m	4.94	ng	
28) Chrysene	21.77	228	379576m	4.49	ng	
29) Bis(2-ethylhexyl)phthalate	21.66	149	34428	6.15	ng	# 98
30) Indeno(1,2,3-cd)pvrene	26.62	276	438919	5.39	ng	99
32) Benzo(b)fluoranthene	23.38	252	96348	5.79	ng	# 95
33) Benzo(k)fluoranthene	23.43	252	101929	5.28	ng	# 94
34) Benzo(a)pvrene	24.01	252	95232	5.72	ng	# 92
35) Dibenzo(a,h)anthracene	26.63	278	89247	6.28	ng	# 91
36) Benzo(g,h,i)perylene	27.38	276	371294	5.68	ng	94

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

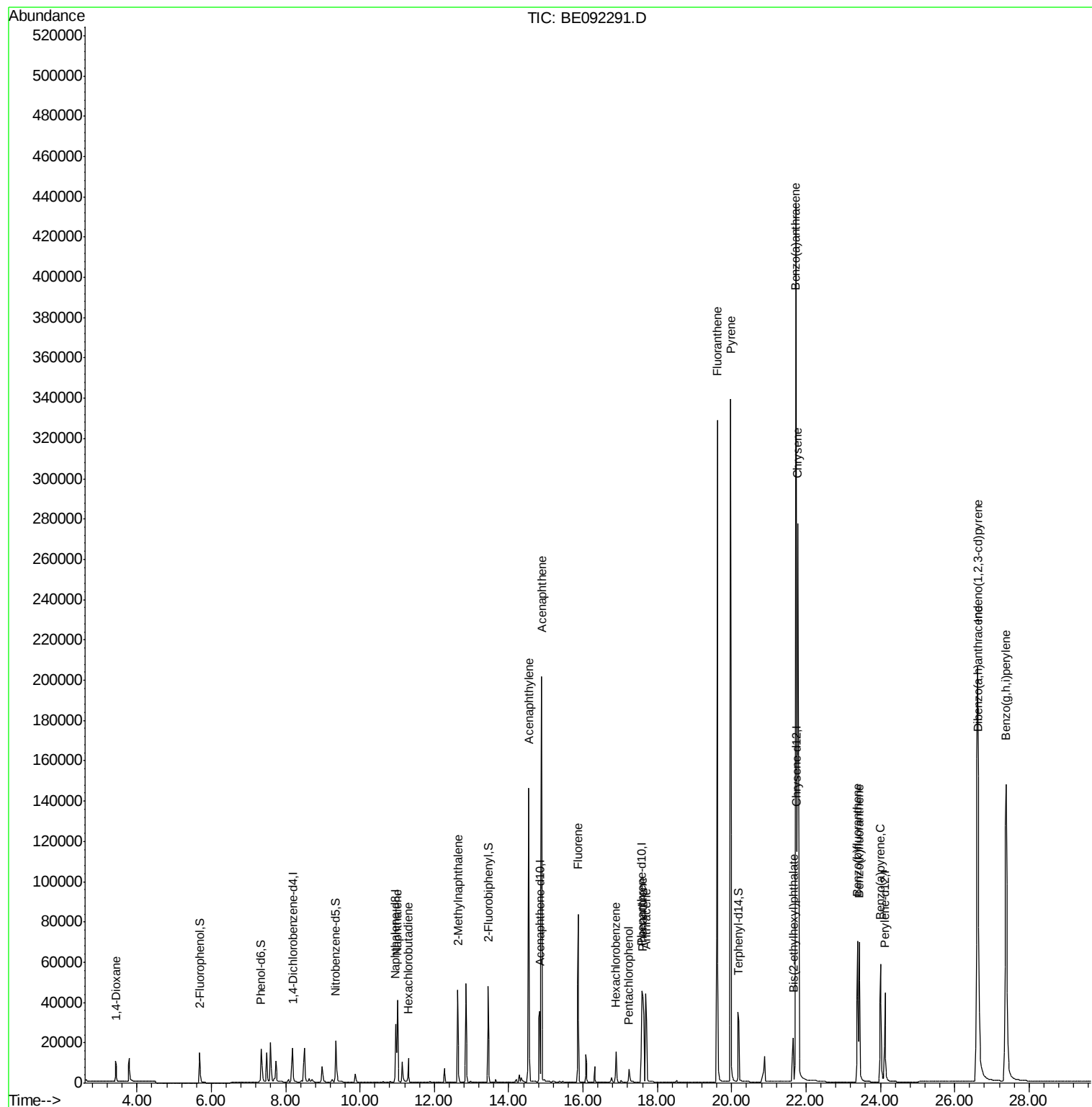
Data Path : Z:\HPCHEM1\BNA E\DATA\BE082916\
Data File : BE092291.D
Acq On : 29 Aug 2016 15:47
Operator : UM/SJ
Sample : SSTDIC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

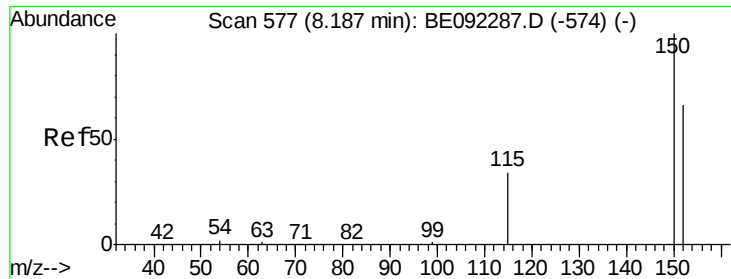
Instrument :
BNA_E
ClientSampleId :
SSTDIC005

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Quant Time: Aug 29 18:40:27 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE082916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 29 16:18:21 2016
Response via : Initial Calibration





#1

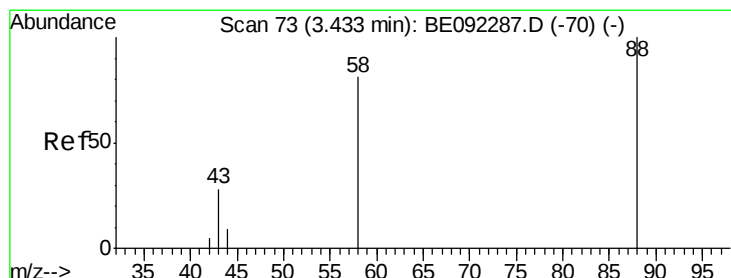
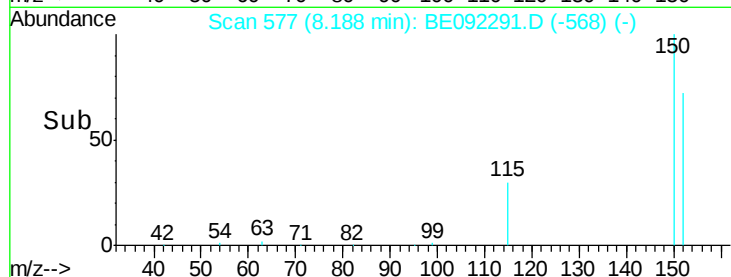
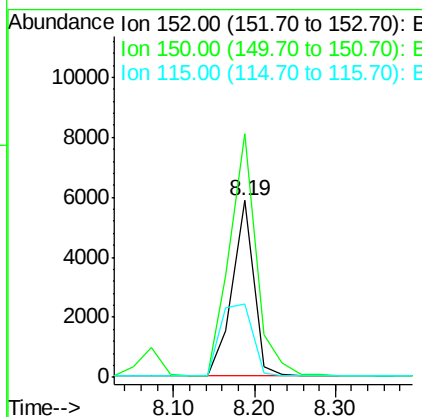
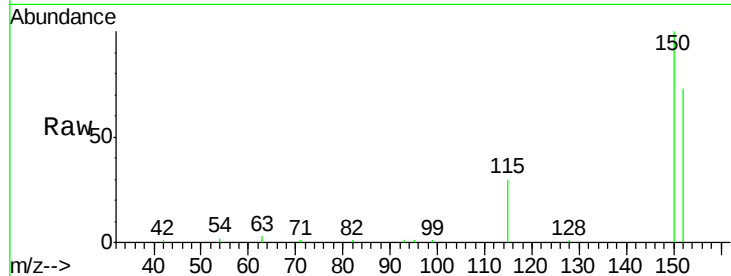
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.19 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tot Ion	Ratio	Lower	Upper
152	100		
150	137.7	135.6	203.4
115	41.6	59.4	89.0

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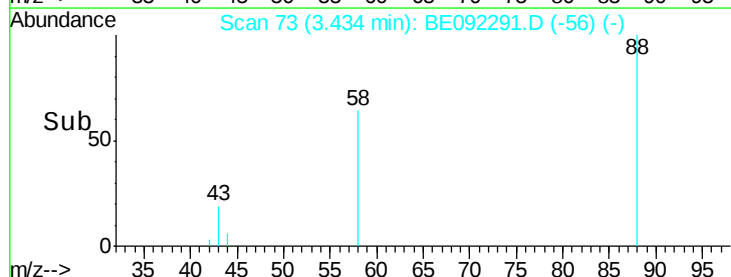
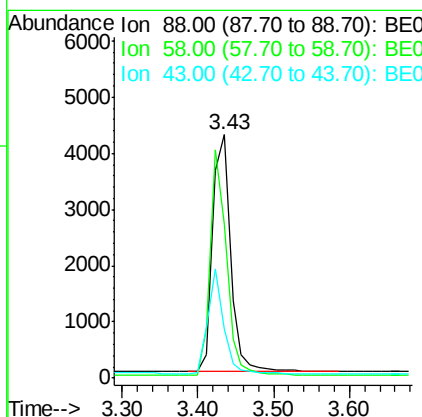
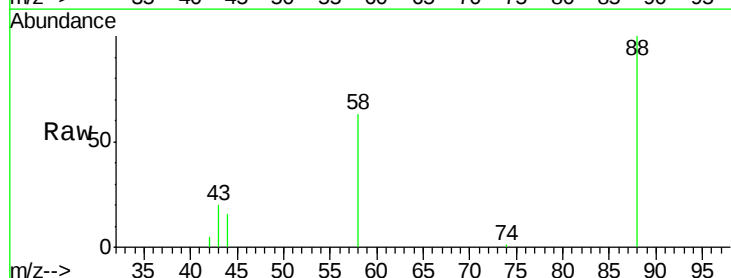
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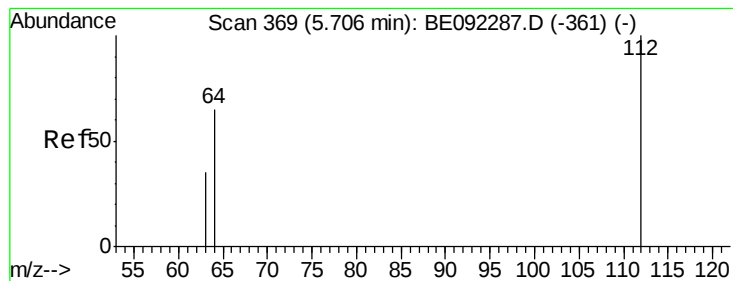


#2

1,4-Dioxane
Concen: 4.38 ng
RT: 3.43 min Scan# 73
Delta R.T. 0.00 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.5	64.4	96.6
43	38.1	33.4	50.2





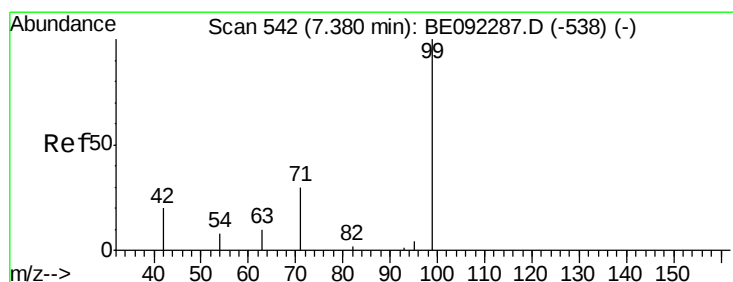
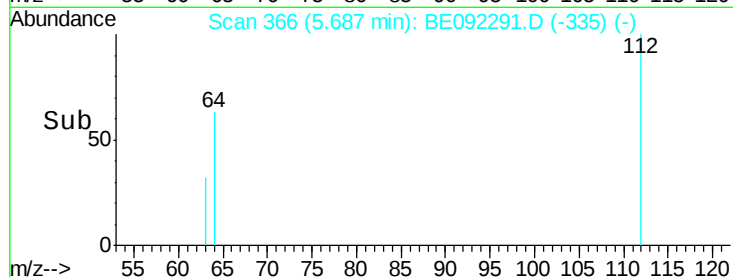
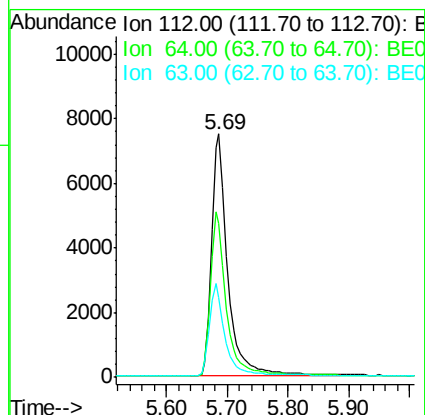
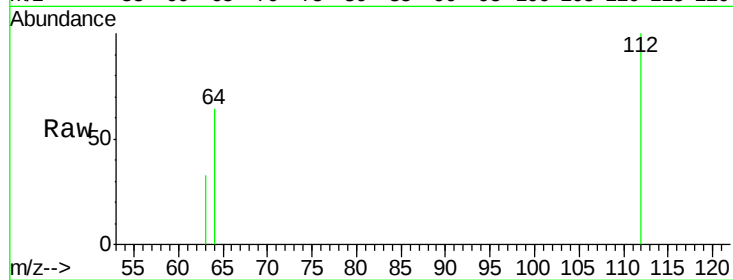
#4
2-Fluorophenol
Concen: 6.11 ng
RT: 5.69 min Scan# 366
Delta R.T. -0.02 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
112	100	13886		
64	67.0	53.2	79.8	
63	37.0	27.4	41.2	

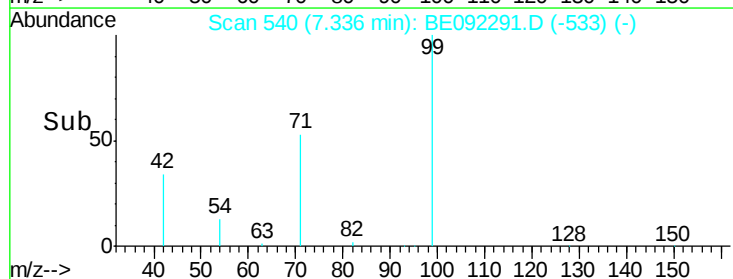
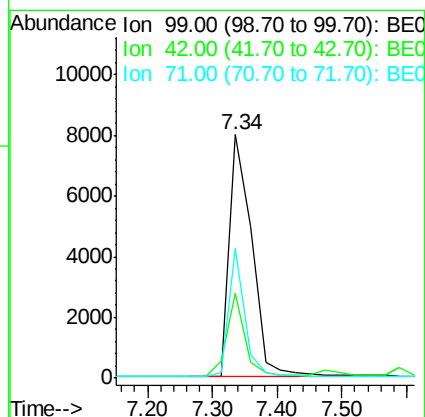
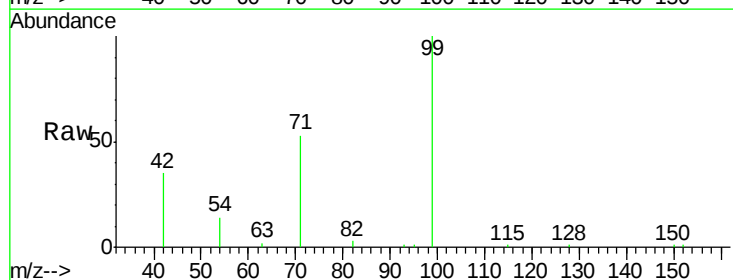
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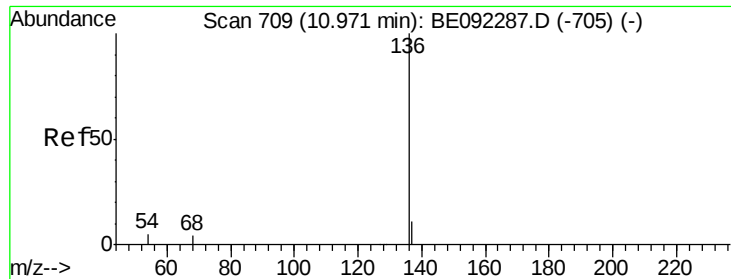
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#5
Phenol-d6
Concen: 6.34 ng
RT: 7.34 min Scan# 540
Delta R.T. -0.04 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	19381		
42	27.4	0.0	0.0#	
71	38.5	29.8	44.8	





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

Delta R.T. -0.02 min

Lab File: BE092291.D

Acq: 29 Aug 2016 15:47

Instrument :

BNA_E

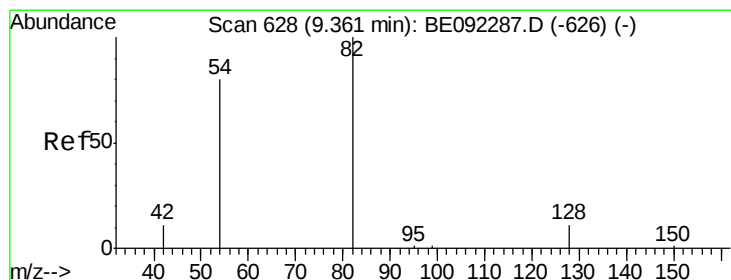
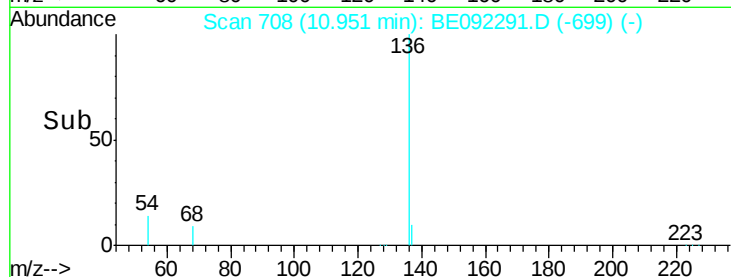
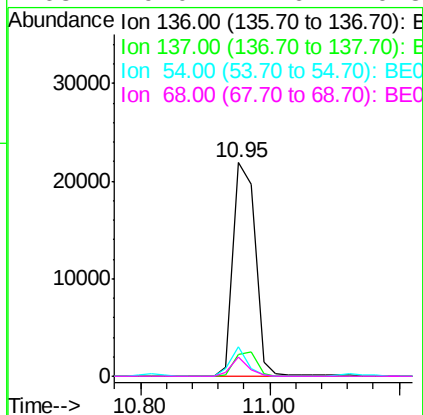
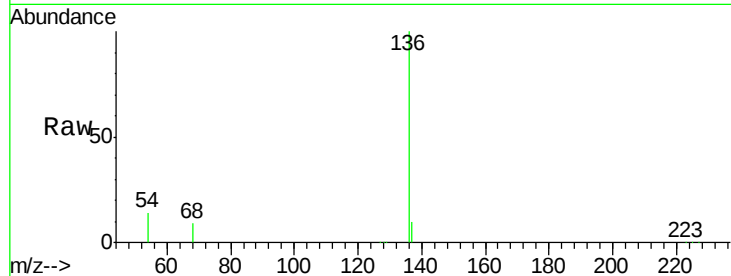
ClientSampleId :

SSTDIC005

Tot Ion:	136	Resp:	51152
Ion Ratio	Lower	Upper	
136	100		
137	10.0	8.8	13.2
54	14.0	6.2	9.4#
68	9.0	4.6	6.8#

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#8

Nitrobenzene-d5

Concen: 6.21 ng

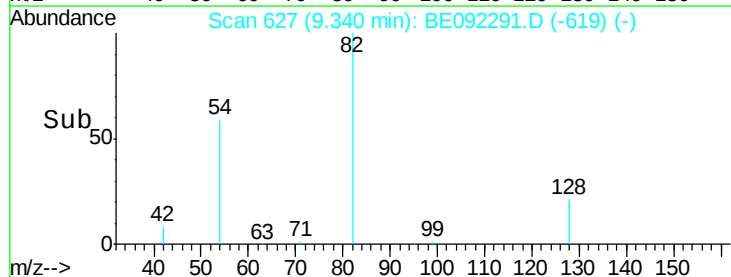
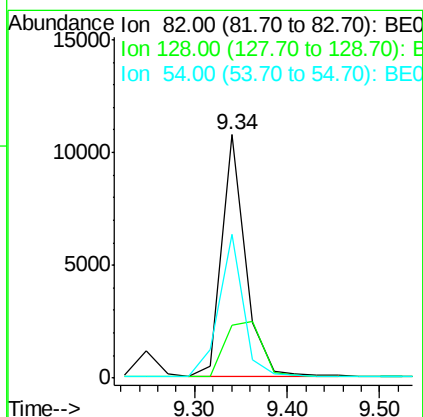
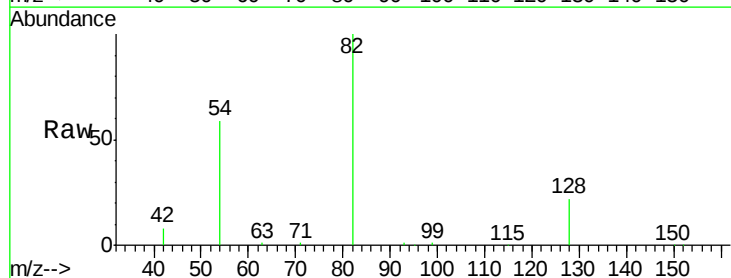
RT: 9.34 min Scan# 627

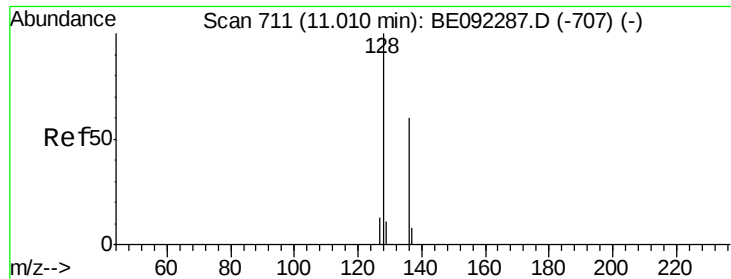
Delta R.T. -0.02 min

Lab File: BE092291.D

Acq: 29 Aug 2016 15:47

Tgt Ion:	82	Resp:	19577
Ion Ratio	Lower	Upper	
82	100		
128	21.7	45.0	67.4#
54	59.3	45.4	68.2





#9

Naphthalene

Concen: 4.96 ng

RT: 11.01 min Scan# 711

Delta R.T. -0.00 min

Lab File: BE092291.D

Acq: 29 Aug 2016 15:47

Instrument :

BNA_E

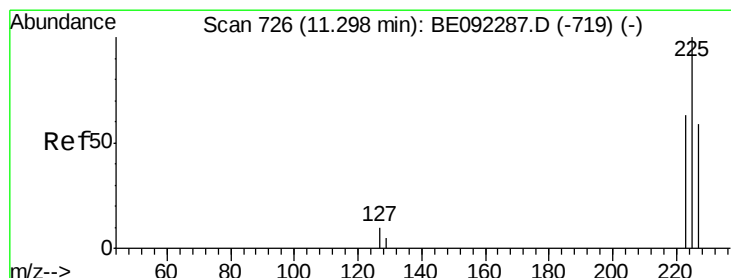
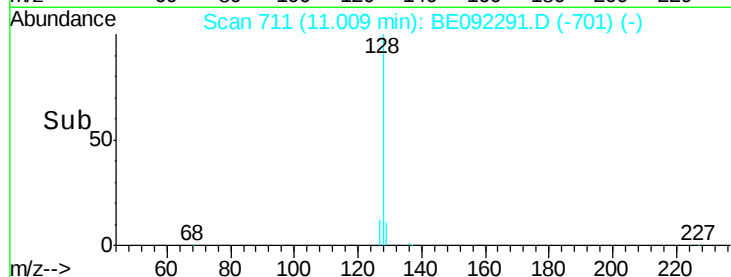
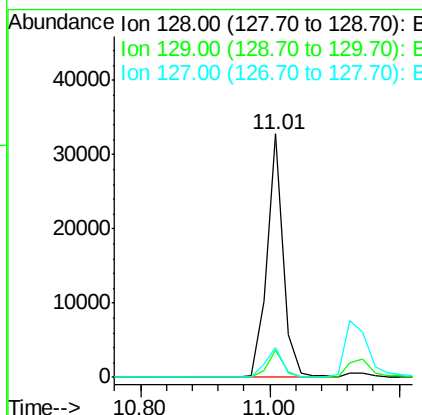
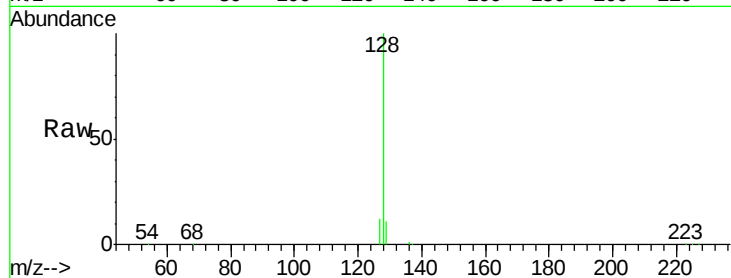
ClientSampleId :

SSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	11.5	17.3#
127	12.2	11.0	16.6

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#10

Hexachlorobutadiene

Concen: 4.77 ng

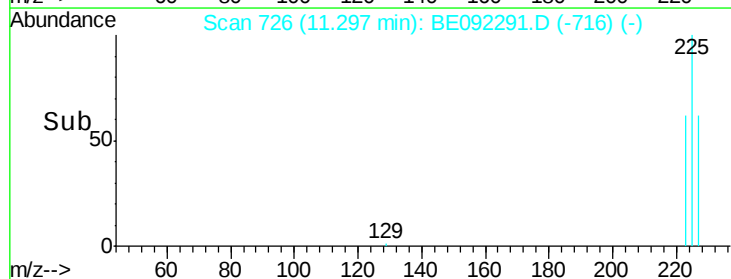
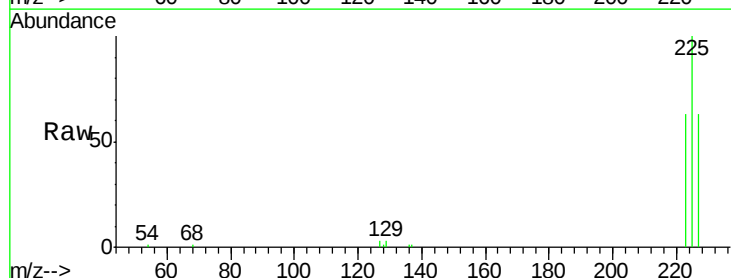
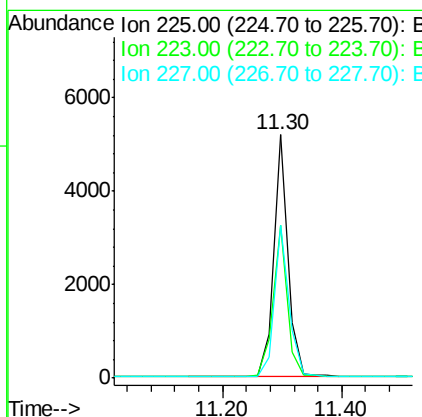
RT: 11.30 min Scan# 726

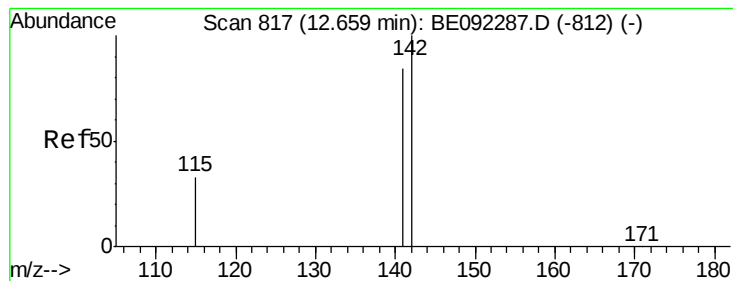
Delta R.T. -0.00 min

Lab File: BE092291.D

Acq: 29 Aug 2016 15:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	52.2	78.4
227	63.8	51.0	76.6





#11

2-Methylnaphthalene

Concen: 5.33 ng

RT: 12.64 min Scan# 815

Delta R.T. -0.02 min

Lab File: BE092291.D

Acq: 29 Aug 2016 15:47

Instrument :

BNA_E

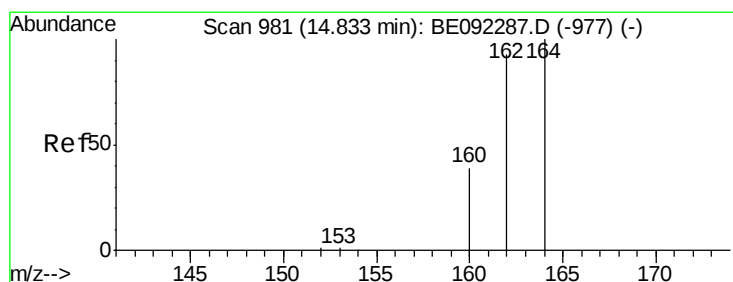
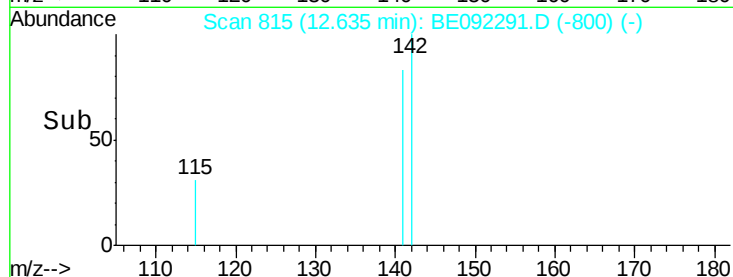
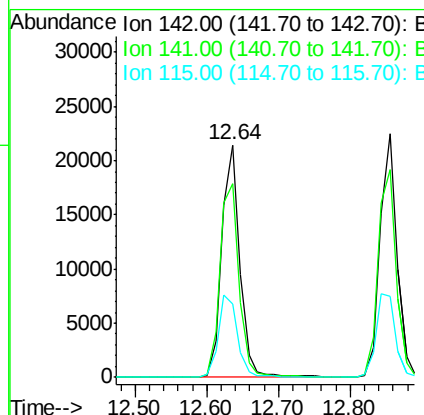
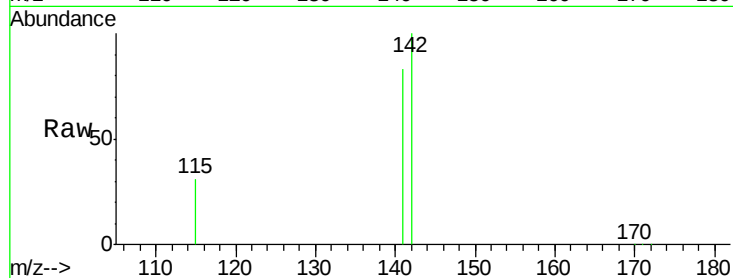
ClientSampleId :

SSTDICC005

Tot Ion	Ion	Ratio	Lower	Upper
142	100			
141	83.4	70.6	105.8	
115	31.4	31.0	46.4	

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#12

Acenaphthene-d10

Concen: 5.00 ng

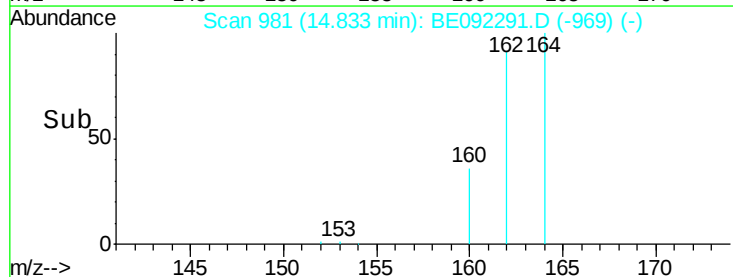
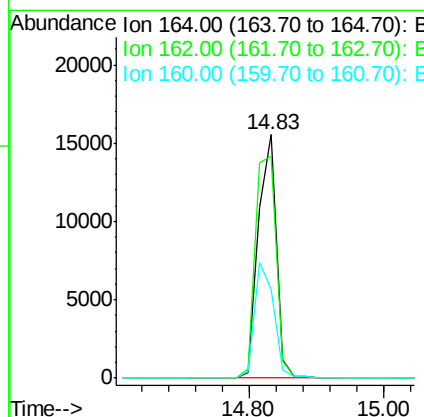
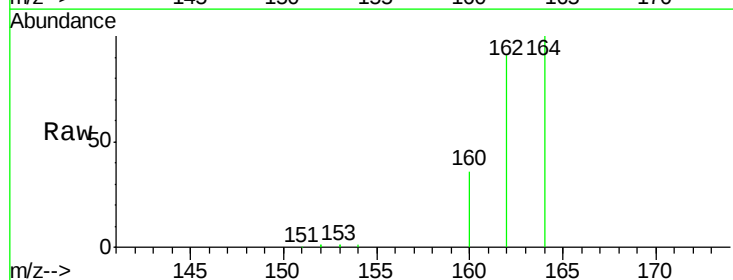
RT: 14.83 min Scan# 981

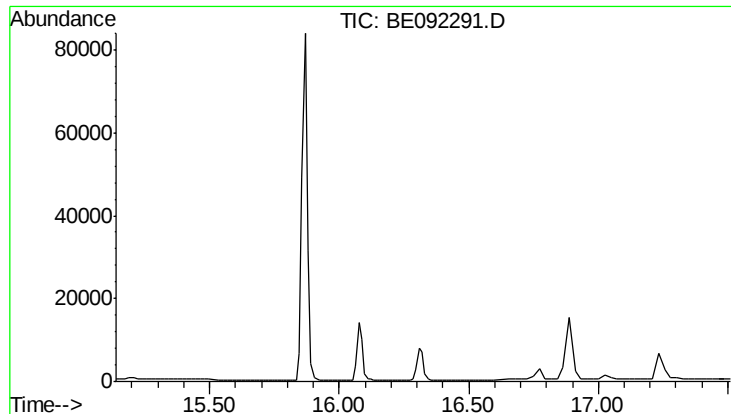
Delta R.T. -0.00 min

Lab File: BE092291.D

Acq: 29 Aug 2016 15:47

Tgt Ion	Ion	Ratio	Lower	Upper
164	100			
162	91.1	83.3	124.9	
160	36.2	38.0	57.0	





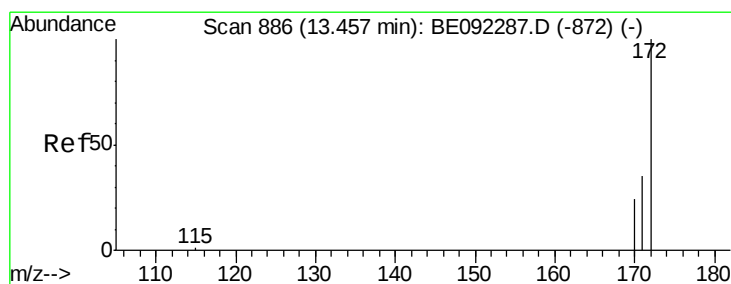
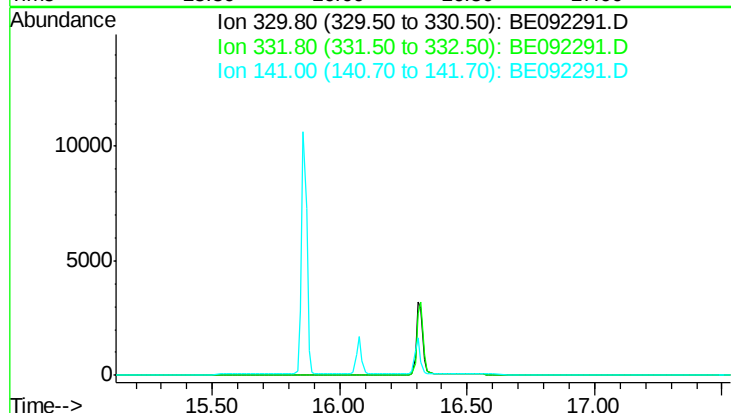
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2,4,6-Tribromophenol
Concen: 0.00 ng
Expected RT: 16.33 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tot Ion: 330
Sig Exp Ratio
330 100
332 94.2
141 47.1

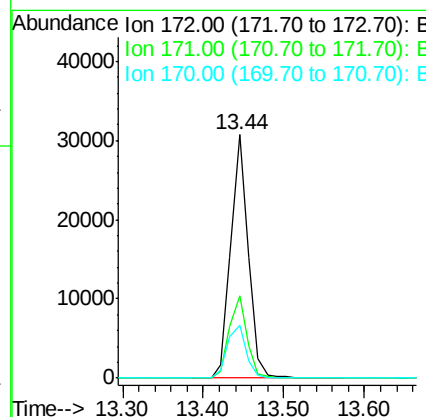
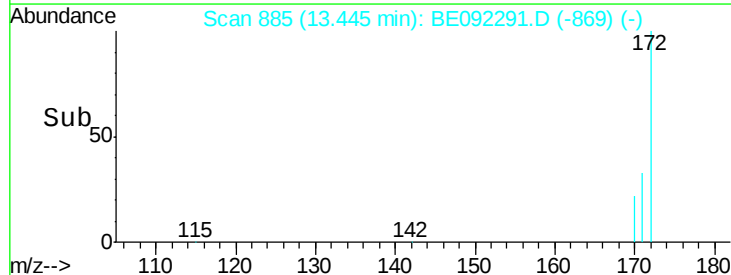
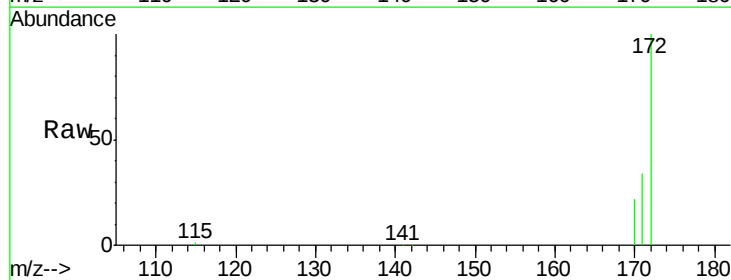
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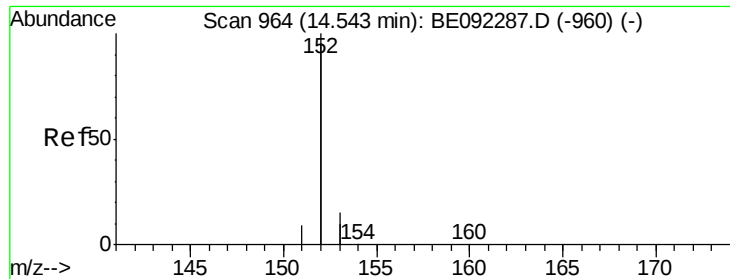
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#14
2-Fluorobiphenyl
Concen: 5.08 ng
RT: 13.44 min Scan# 885
Delta R.T. -0.01 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Tgt Ion: 172 Resp: 45813
Ion Ratio Lower Upper
172 100
171 33.8 26.8 40.2
170 21.9 17.8 26.6





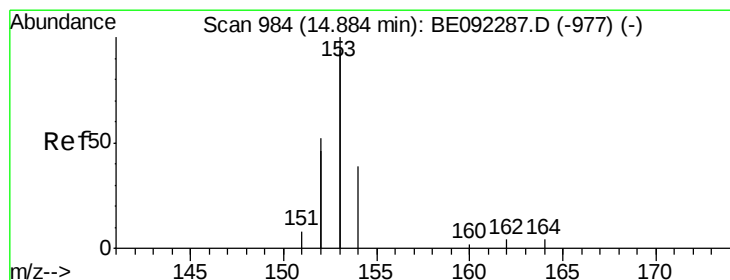
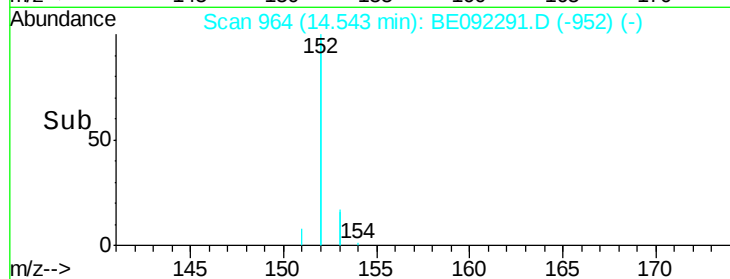
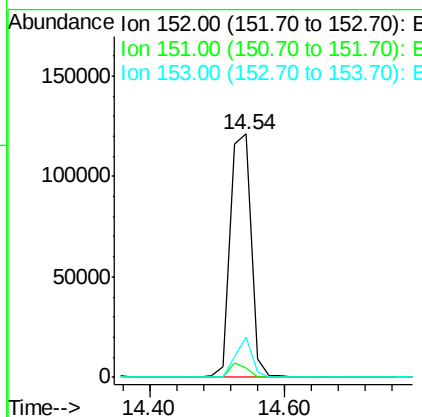
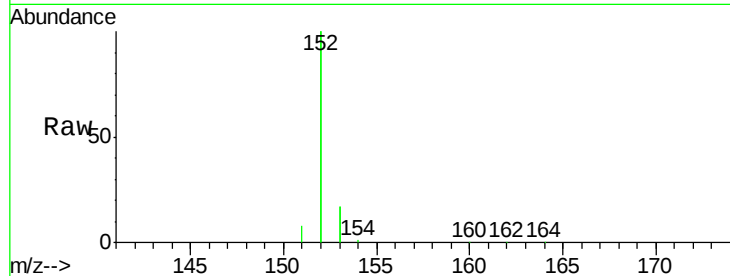
#15
Acenaphthylene
Concen: 5.37 ng
RT: 14.54 min Scan# 964
Delta R.T. -0.00 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tot Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.8	5.8
153	13.1	10.2	15.2

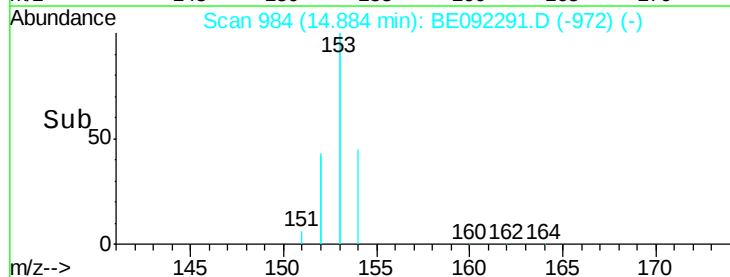
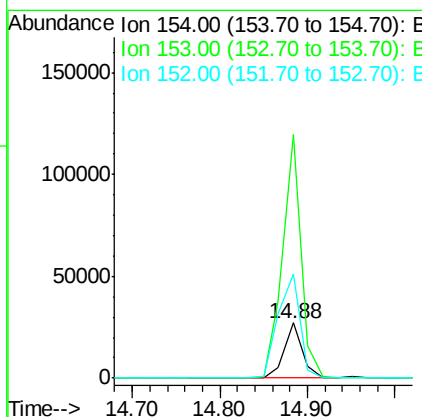
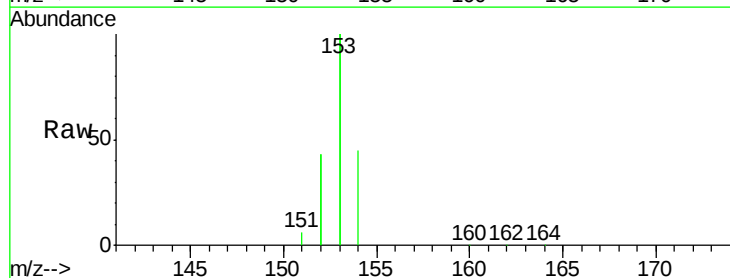
Manual Integrations
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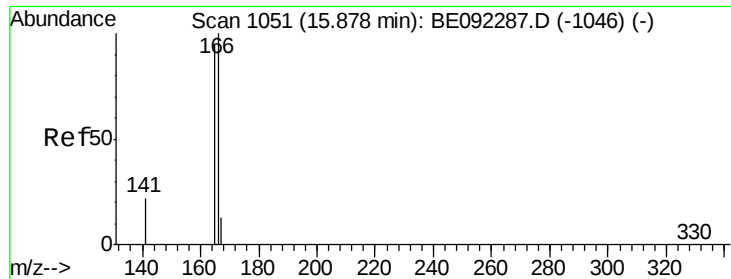
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#16
Acenaphthene
Concen: 4.83 ng
RT: 14.88 min Scan# 984
Delta R.T. -0.00 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Tgt Ion	Ratio	Lower	Upper
154	100		
153	456.2	355.0	532.4
152	228.3	179.7	269.5





#17

Fluorene

Concen: 5.25 ng

RT: 15.87 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BE092291.D

Acq: 29 Aug 2016 15:47

Instrument :

BNA_E

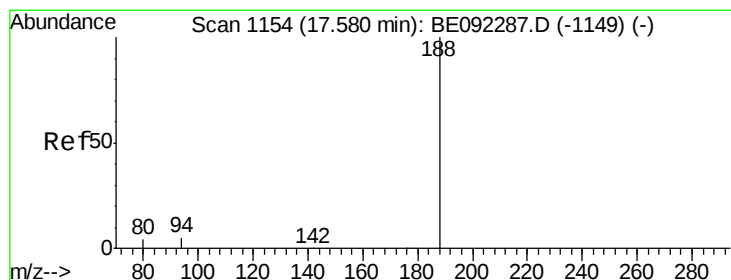
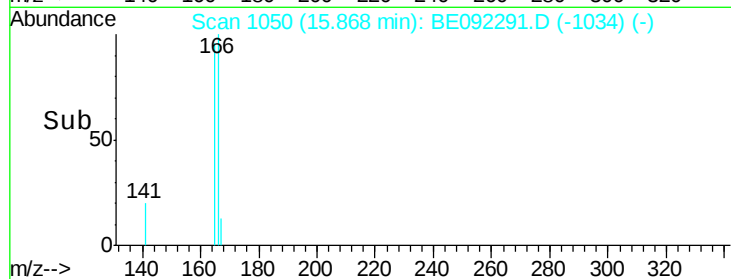
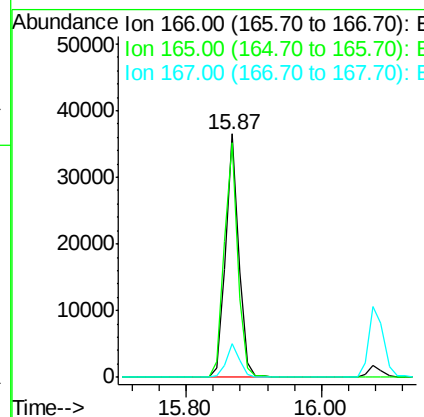
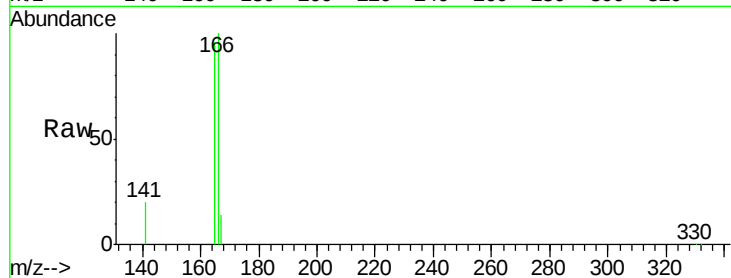
ClientSampleId :

SSTDICC005

Tot Ion:	166	Resp:	50488
Ion	Ratio	Lower	Upper
166	100		
165	98.3	80.1	120.1
167	13.5	10.6	16.0

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#18

Phenanthrene-d10

Concen: 5.00 ng

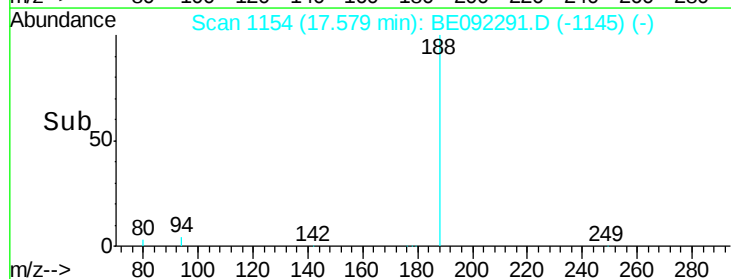
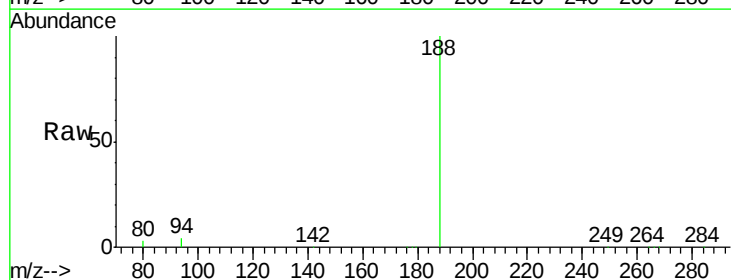
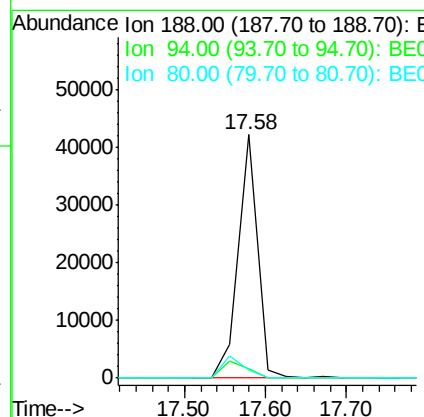
RT: 17.58 min Scan# 1154

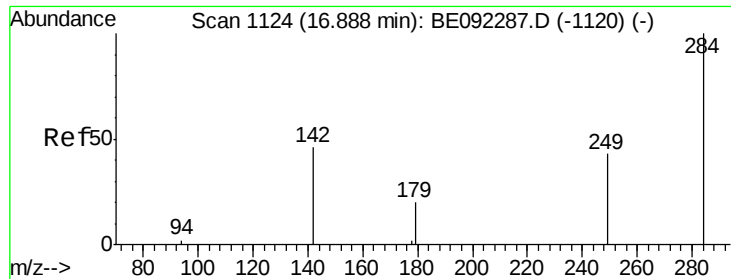
Delta R.T. -0.00 min

Lab File: BE092291.D

Acq: 29 Aug 2016 15:47

Tgt Ion:	188	Resp:	68862
Ion	Ratio	Lower	Upper
188	100		
94	3.9	9.2	13.8#
80	3.2	9.1	13.7#





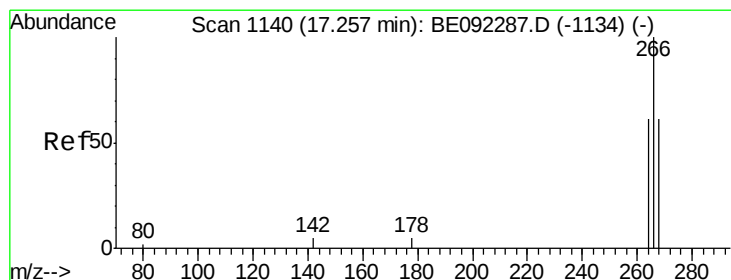
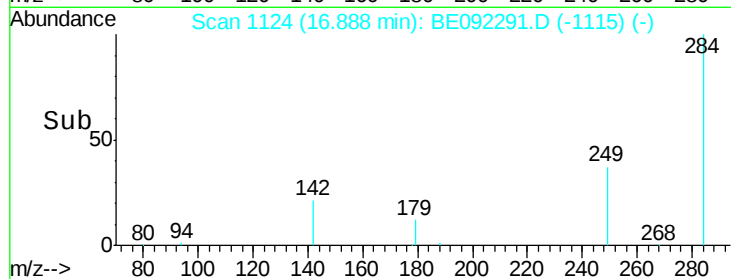
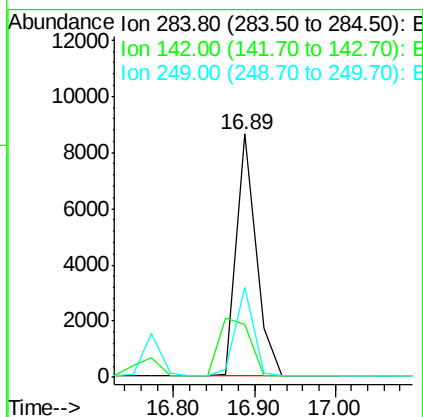
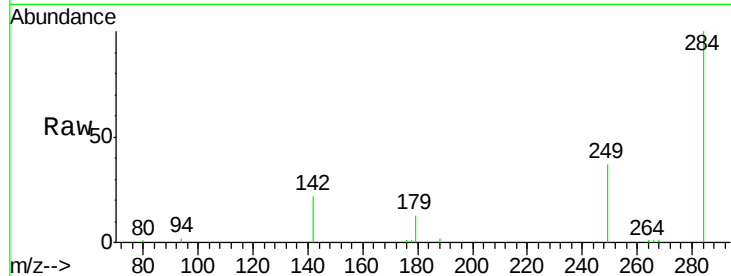
#19
Hexachlorobenzene
Concen: 5.15 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
284	100	14439		
142	0.0	0.0	0.0	0.0
249	33.7	0.0	0.0	0.0

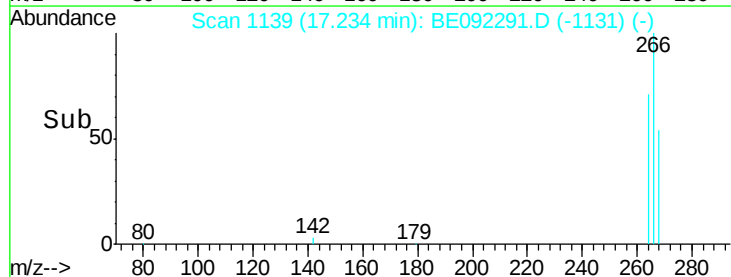
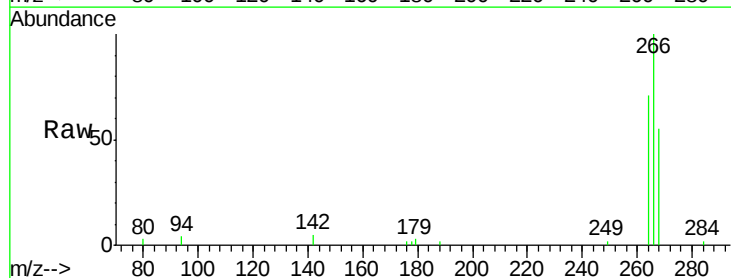
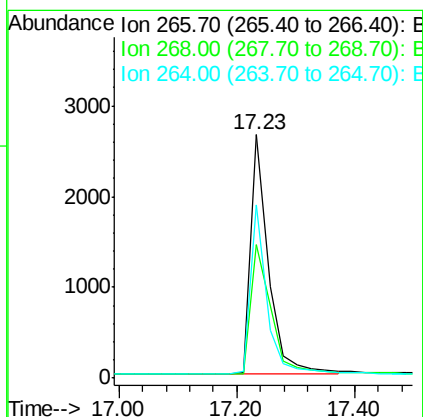
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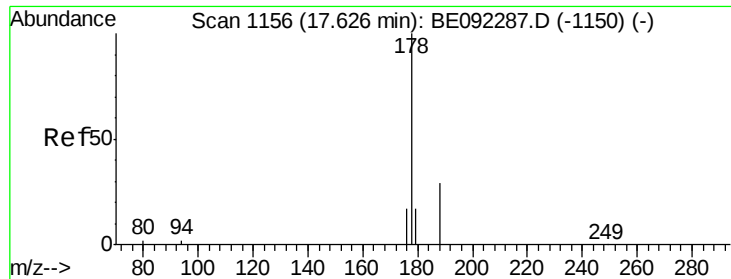
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#20
Pentachlorophenol
Concen: 9.24 ng
RT: 17.23 min Scan# 1139
Delta R.T. -0.02 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	5604		
268	55.1	62.3	93.5	
264	71.3	67.4	101.0	





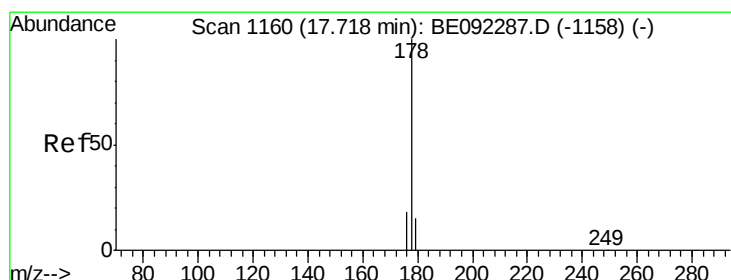
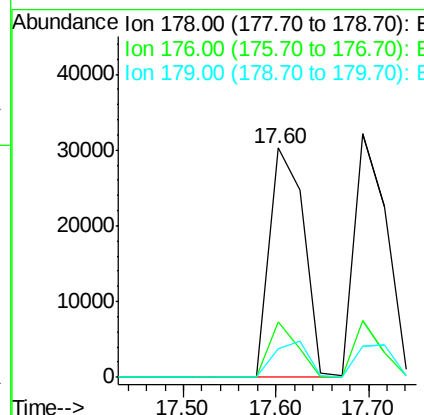
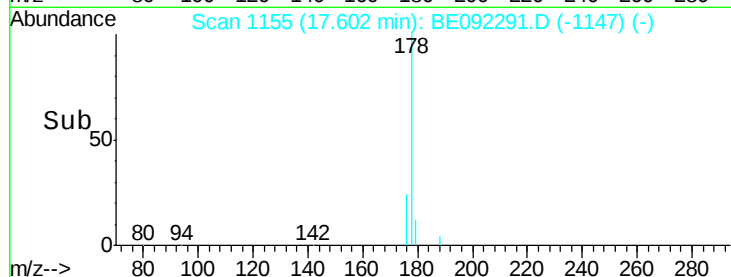
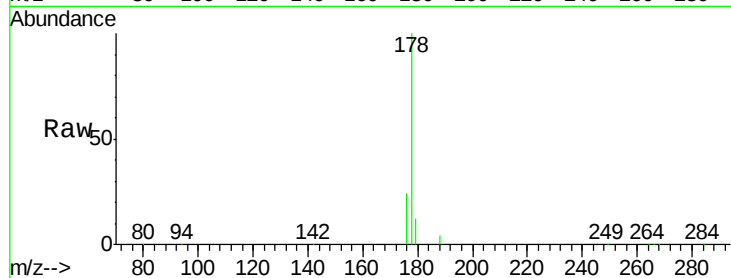
#21
Phenanthrene
Concen: 4.71 ng
RT: 17.60 min Scan# 1155
Delta R.T. -0.02 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.1	22.7
179	0.0	12.9	19.3#

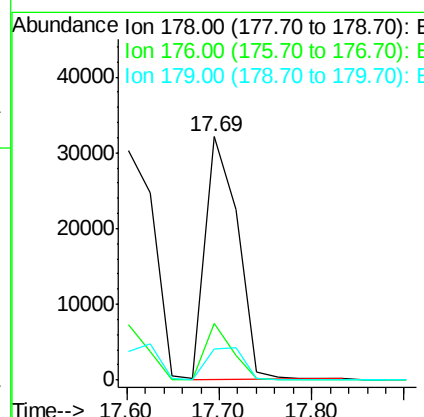
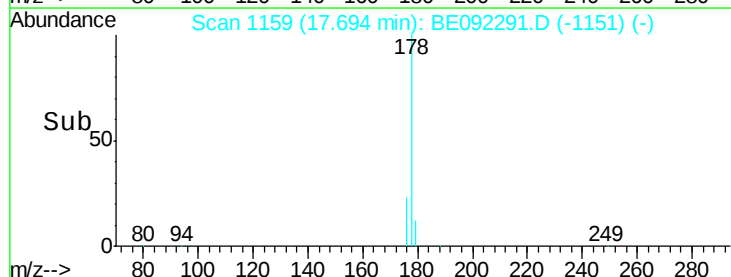
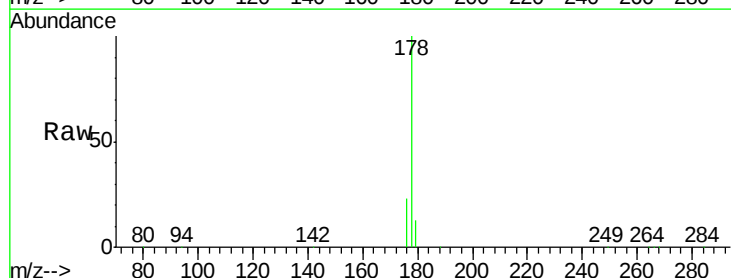
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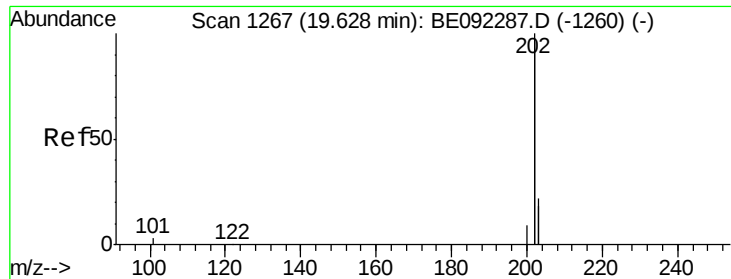
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#22
Anthracene
Concen: 5.31 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.0	22.4
179	0.0	12.0	18.0#





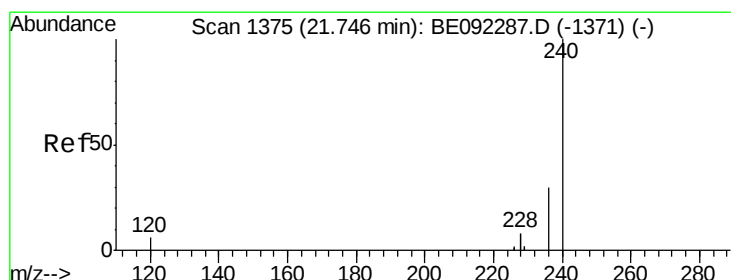
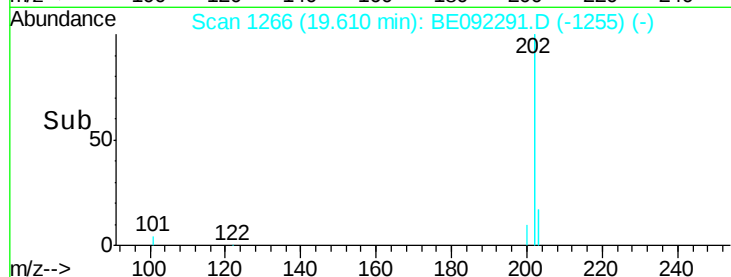
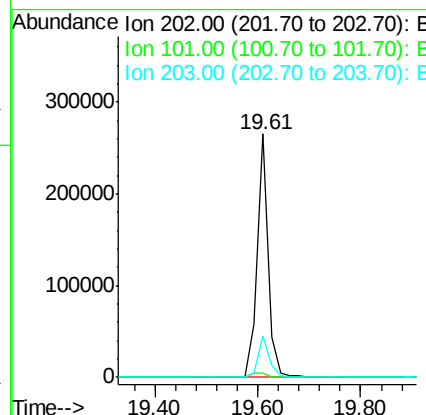
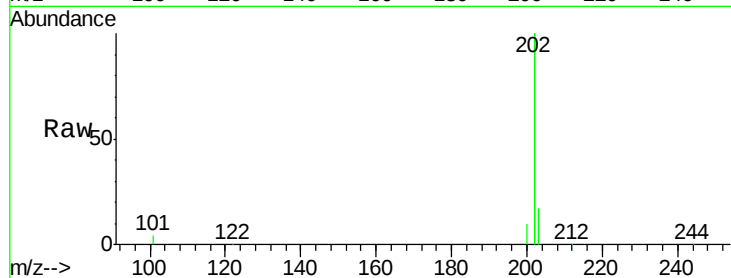
#23
Fluoranthene
 Concen: 5.42 ng
 RT: 19.61 min Scan# 1266
 Delta R.T. -0.02 min
 Lab File: BE092291.D
 Acq: 29 Aug 2016 15:47

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	2.7	2.2	3.4
203	17.2	13.7	20.5

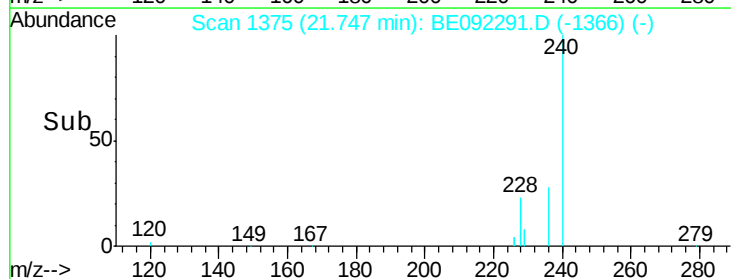
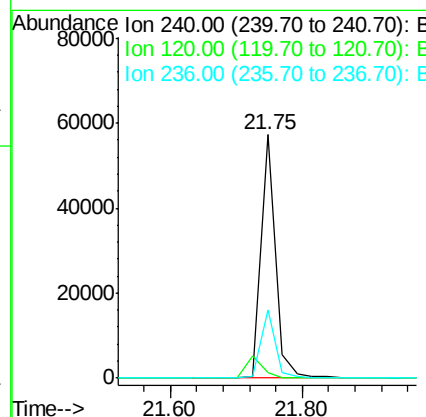
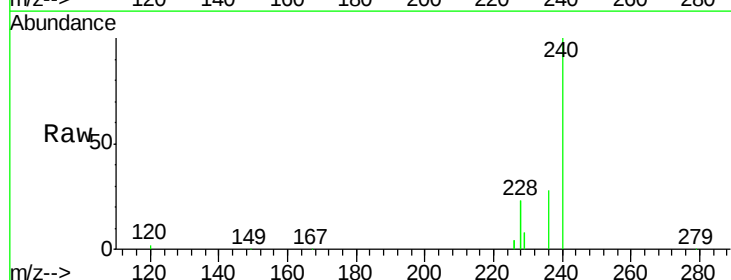
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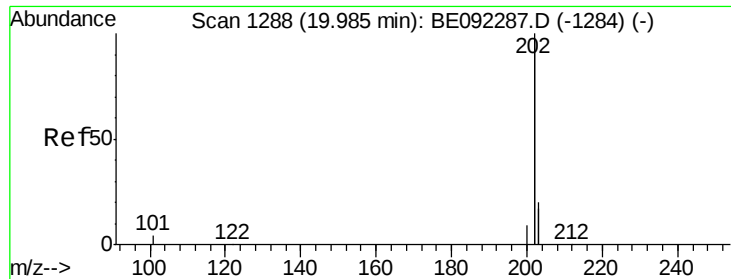
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#24
Chrysene-d12
 Concen: 5.00 ng
 RT: 21.75 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: BE092291.D
 Acq: 29 Aug 2016 15:47

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	2.3	1.2	1.8#
236	28.1	17.1	25.7#





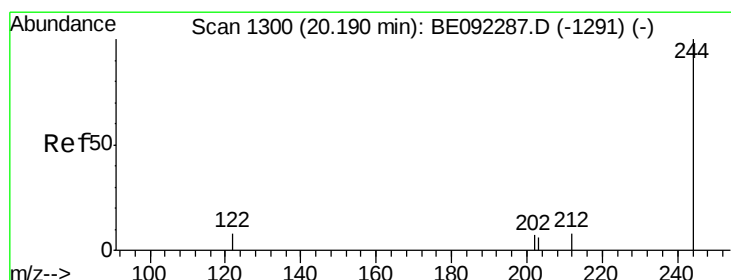
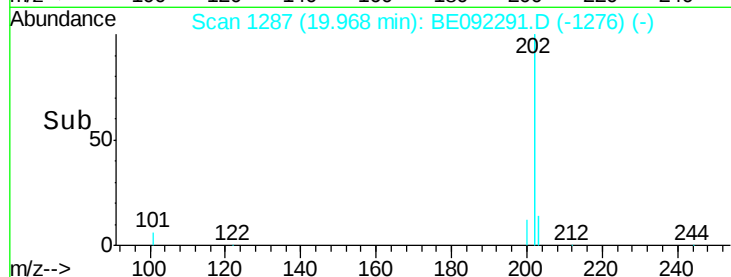
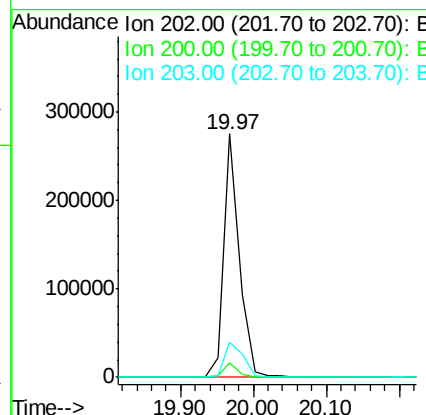
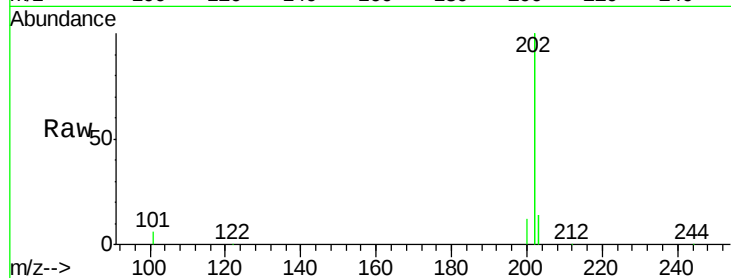
#25
Pvrene
Concen: 5.10 ng
RT: 19.97 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	5.4	4.2	6.4	
203	17.5	14.0	21.0	

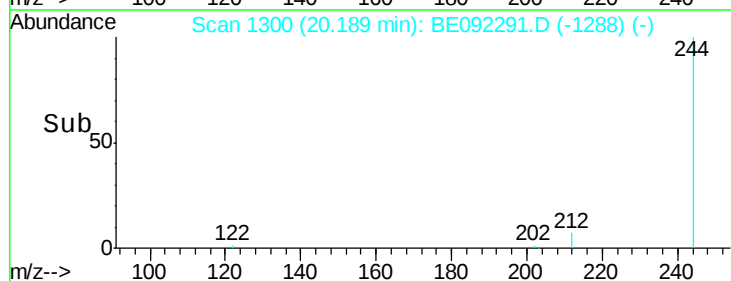
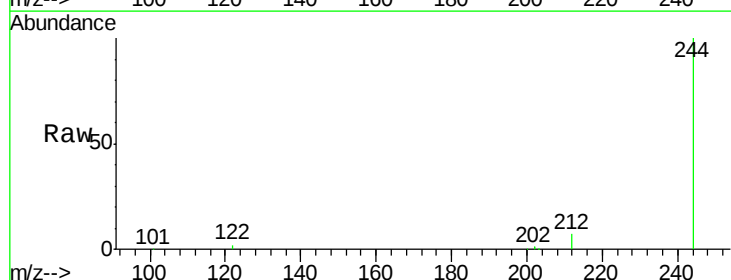
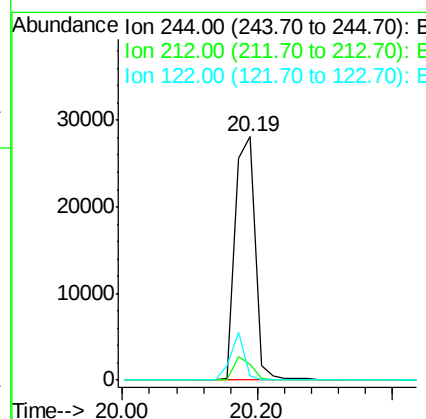
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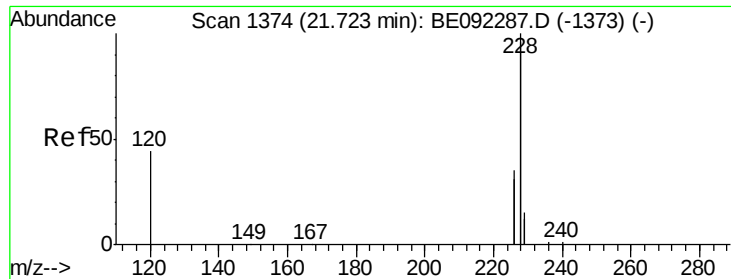
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#26
Terphenyl-d14
Concen: 4.86 ng
RT: 20.19 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.7	10.2	15.2#	
122	1.5	15.9	23.9#	





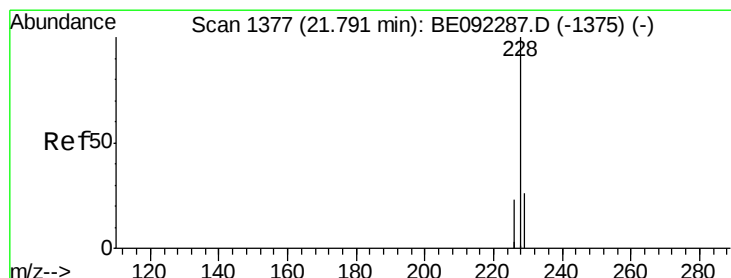
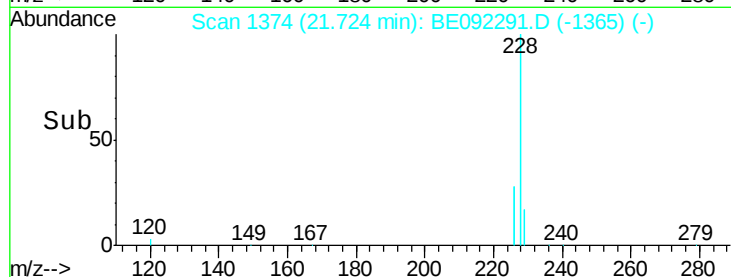
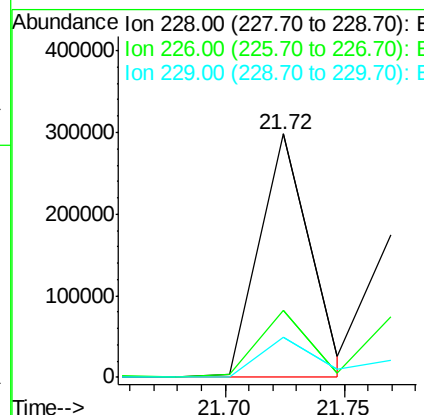
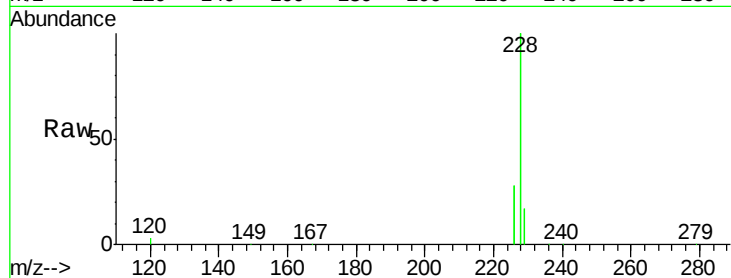
#27
Benzo(a)anthracene
Concen: 4.94 ng m
RT: 21.72 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Instrument :
BNA_E
ClientSampleId :
SSTDICC005

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	15.9	23.9#
229	16.7	22.4	33.6#

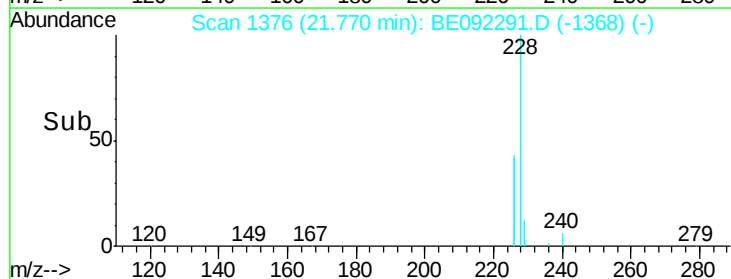
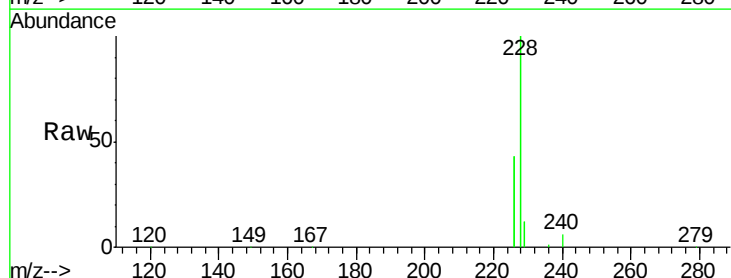
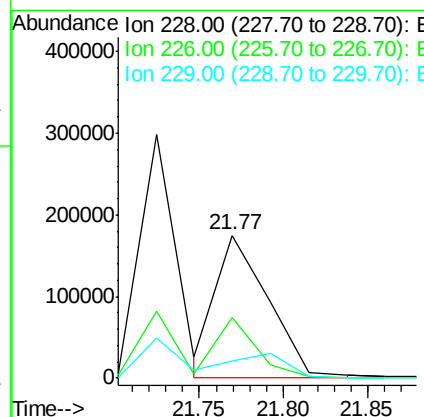
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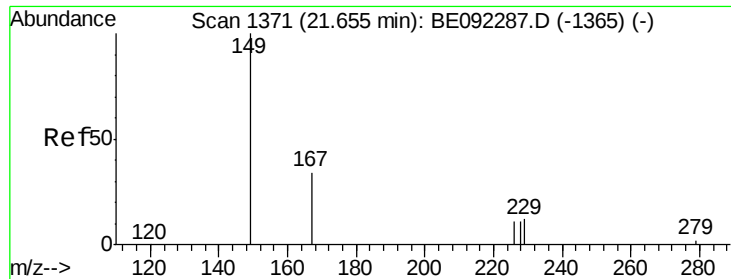
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#28
Chrysene
Concen: 4.49 ng m
RT: 21.77 min Scan# 1376
Delta R.T. -0.02 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	42.6	18.3	27.5#
229	12.2	18.6	27.8#





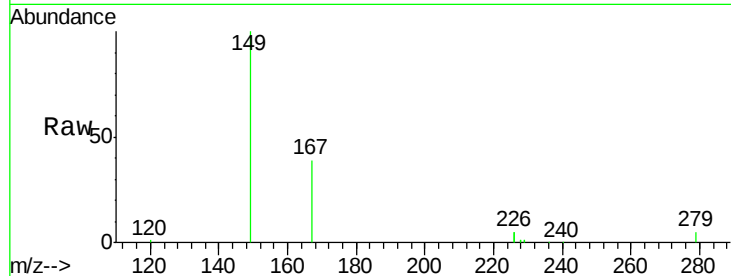
#29
 Bis(2-ethylhexyl)phthalate
 Concen: 6.15 ng
 RT: 21.66 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: BE092291.D
 Acq: 29 Aug 2016 15:47

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC005

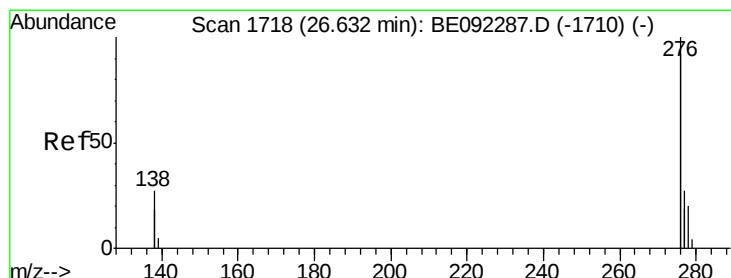
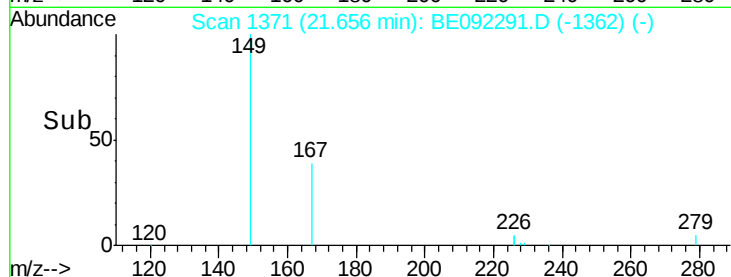
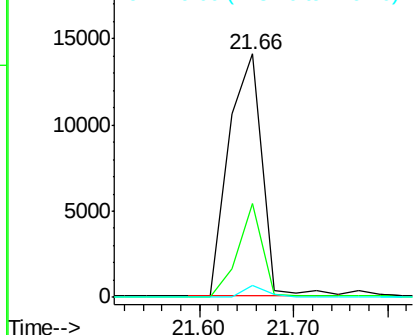
Tot Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.1	33.1
279	3.3	0.0	0.0

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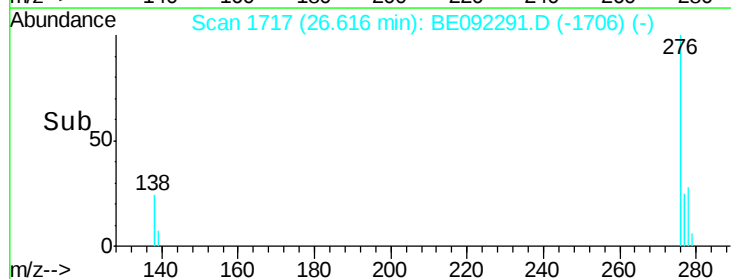
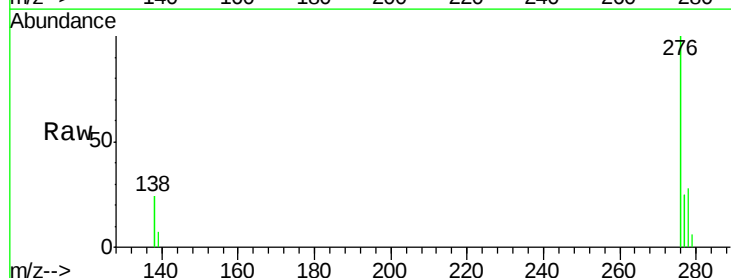
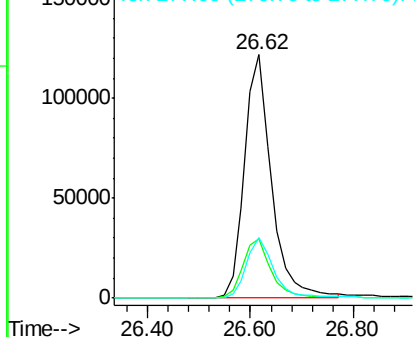
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

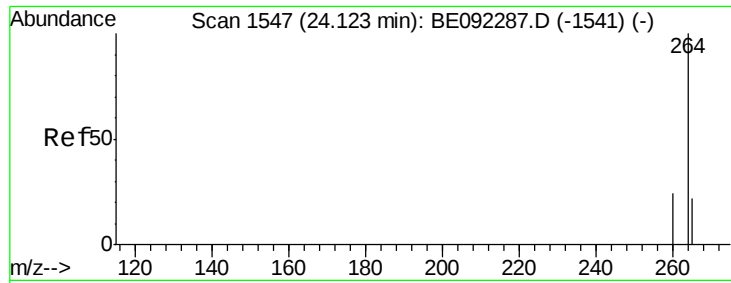


#30
 Indeno(1,2,3-cd)pyrene
 Concen: 5.39 ng
 RT: 26.62 min Scan# 1717
 Delta R.T. -0.02 min
 Lab File: BE092291.D
 Acq: 29 Aug 2016 15:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.3	21.3	31.9
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





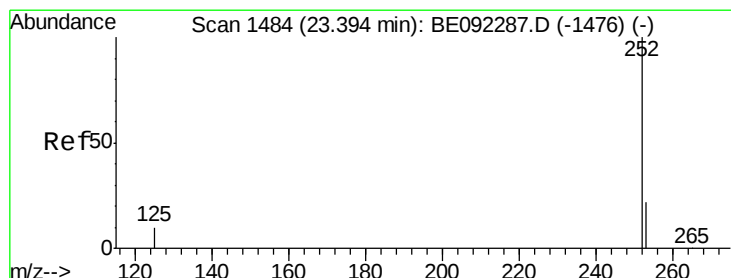
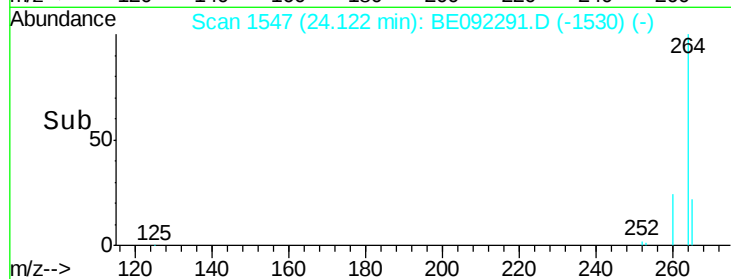
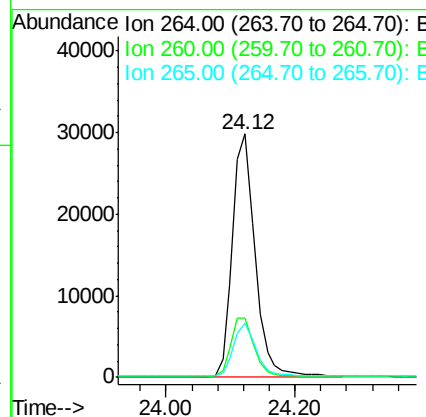
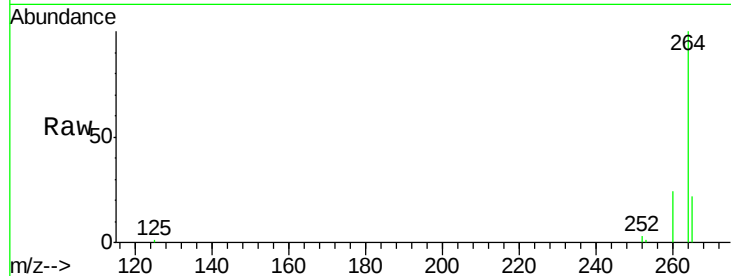
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. -0.00 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.5	18.2	27.4

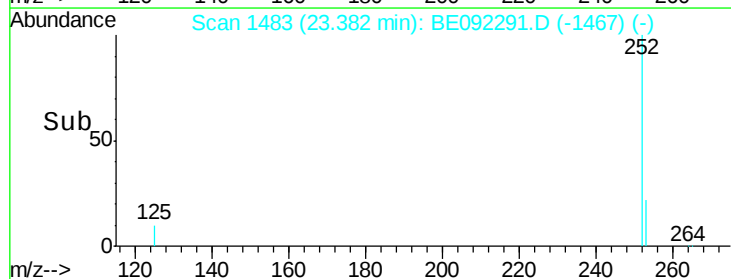
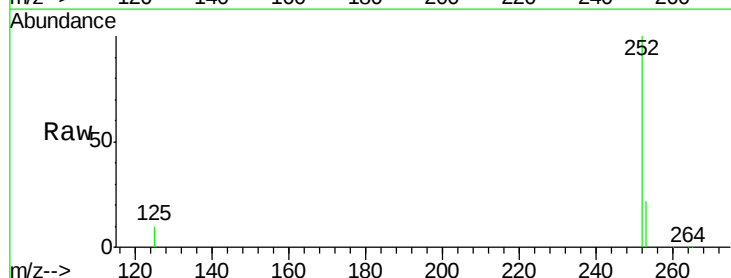
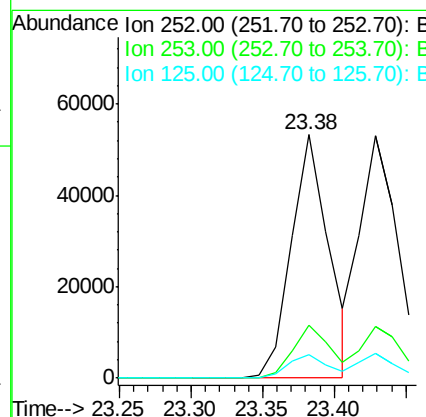
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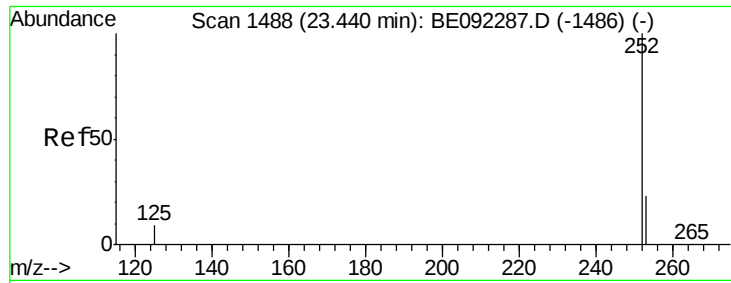
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#32
Benzo(b)fluoranthene
Concen: 5.79 ng
RT: 23.38 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.0	28.4
125	9.8	10.3	15.5#





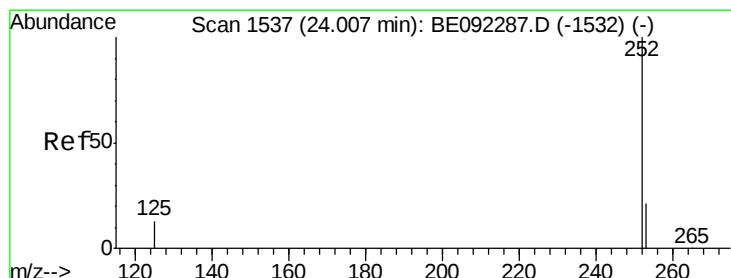
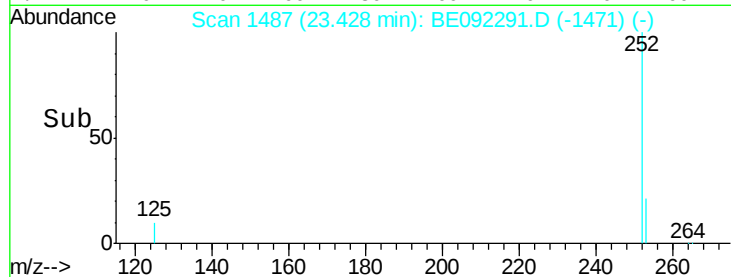
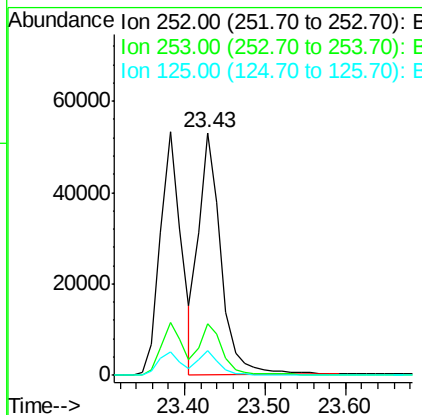
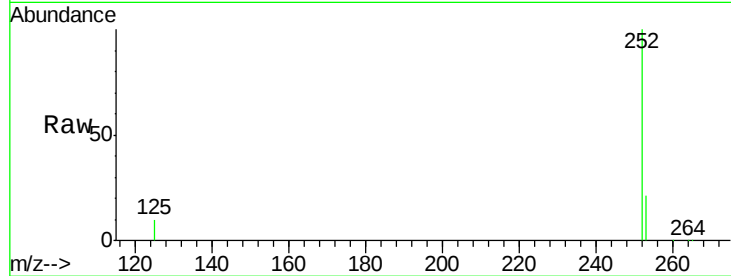
#33
Benzo(k)fluoranthene
Concen: 5.28 ng
RT: 23.43 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	19.0	28.6
125	10.0	10.6	15.8

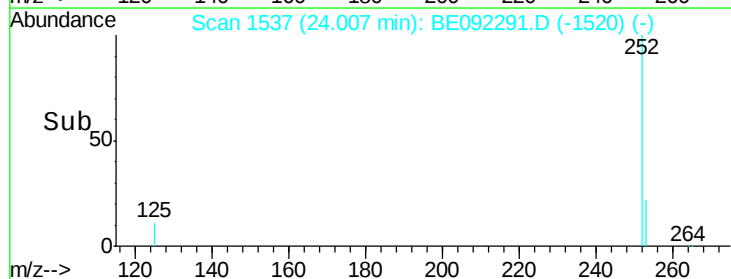
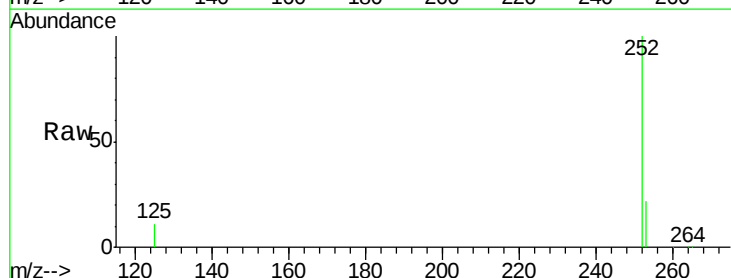
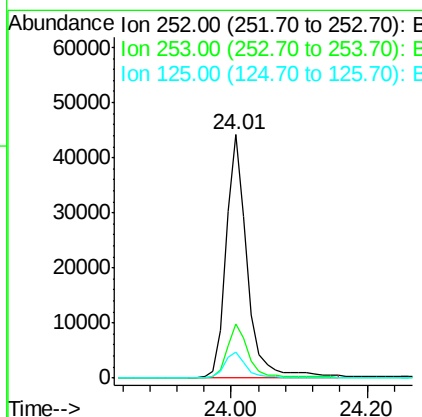
Manual Integrations
APPROVED

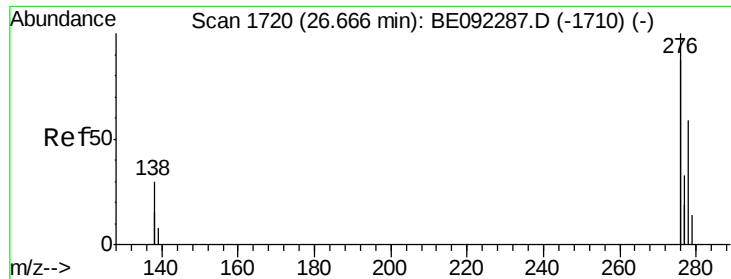
sohil
8/30/2016 4:49:27 PM



#34
Benzo(a)pyrene
Concen: 5.72 ng
RT: 24.01 min Scan# 1537
Delta R.T. -0.00 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	20.3	30.5
125	10.9	11.8	17.6





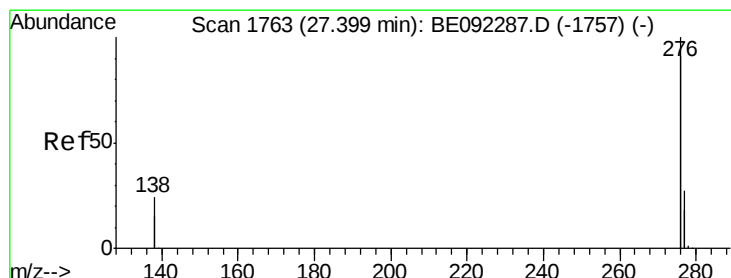
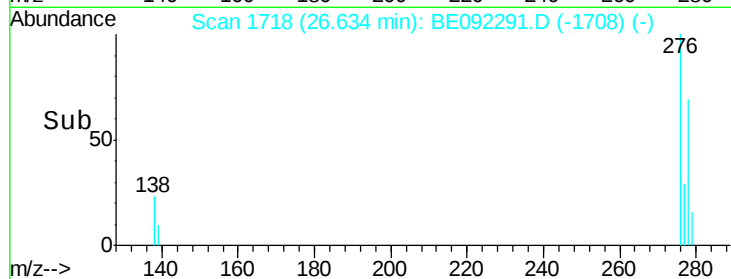
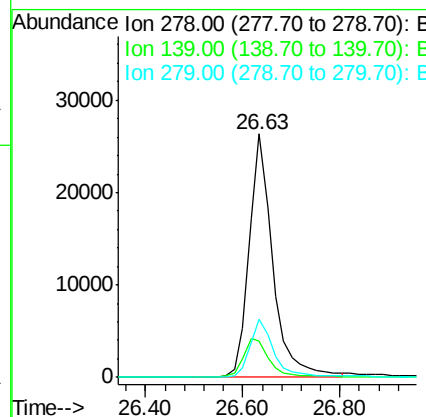
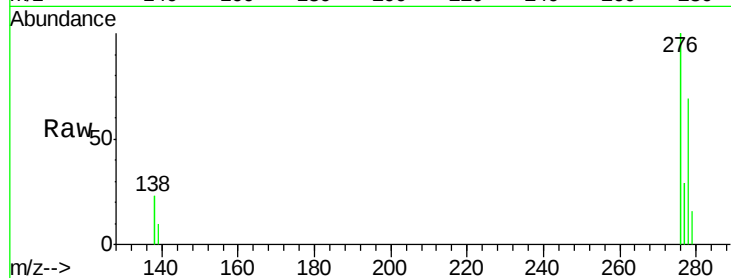
#35
Dibenzo(a,h)anthracene
Concen: 6.28 ng
RT: 26.63 min Scan# 1718
Delta R.T. -0.03 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Instrument :
BNA_E
ClientSampleId :
SSTDIC005

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.7	16.2	24.2#
279	23.7	21.4	32.2

Manual Integrations
APPROVED

sohil
8/30/2016 4:49:27 PM



#36
Benzo(g,h,i)perylene
Concen: 5.68 ng
RT: 27.38 min Scan# 1762
Delta R.T. -0.02 min
Lab File: BE092291.D
Acq: 29 Aug 2016 15:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	21.4	32.2
138	20.6	19.4	29.2

