

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
 Data File : BE092257.D
 Acq On : 10 Aug 2016 16:32
 Operator : UM/SJ
 Sample : H4145-29
 Misc : confirmation run
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 9548

Manual Integrations
 APPROVED

sohil
 8/11/2016 8:33:55 AM

Quant Time: Aug 11 12:58:02 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 10 11:12:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.17	152	10553	5.00	ng	0.00
7) Naphthalene-d8	10.97	136	45280	5.00	ng	0.00
12) Acenaphthene-d10	14.83	164	24676	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	59499	5.00	ng	0.00
24) Chrysene-d12	21.73	240	59557	5.00	ng	-0.02
31) Perylene-d12	24.13	264	67363	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	21293	9.23	ng	-0.01
5) Phenol-d6	7.34	99	26861	8.09	ng	-0.02
8) Nitrobenzene-d5	9.34	82	11372	3.56	ng	-0.02
13) 2,4,6-Tribromophenol	16.33	330	5787	6.07	ng	0.00
14) 2-Fluorobiphenyl	13.46	172	27235	3.57	ng	-0.01
26) Terphenyl-d14	20.19	244	37900	3.77	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	11.01	128	39370	3.88	ng	# 94
15) Acenaphthylene	14.54	152	289394	6.78	ng	99
16) Acenaphthene	14.90	154	27058	3.95	ng	95
17) Fluorene	15.88	166	61712	7.45	ng	99
21) Phenanthrene	17.60	178	40490	2.63	ng	99
22) Anthracene	17.70	178	40030	2.88	ng	99
23) Fluoranthene	19.61	202	229038	3.75	ng	99
25) Pyrene	19.98	202	182874	2.60	ng	98
27) Benzo(a)anthracene	21.70	228	48539m	0.68	ng	
28) Chrysene	21.77	228	267556m	4.05	ng	
30) Indeno(1,2,3-cd)pyrene	26.63	276	226348	3.18	ng	100
32) Benzo(b)fluoranthene	23.39	252	48979	2.77	ng	# 96
33) Benzo(k)fluoranthene	23.44	252	53005	2.97	ng	# 95
34) Benzo(a)pyrene	24.02	252	14905	0.89	ng	95
35) Dibenzo(a,h)anthracene	26.65	278	43294	2.79	ng	93
36) Benzo(g,h,i)perylene	27.40	276	52376	0.78	ng	97

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

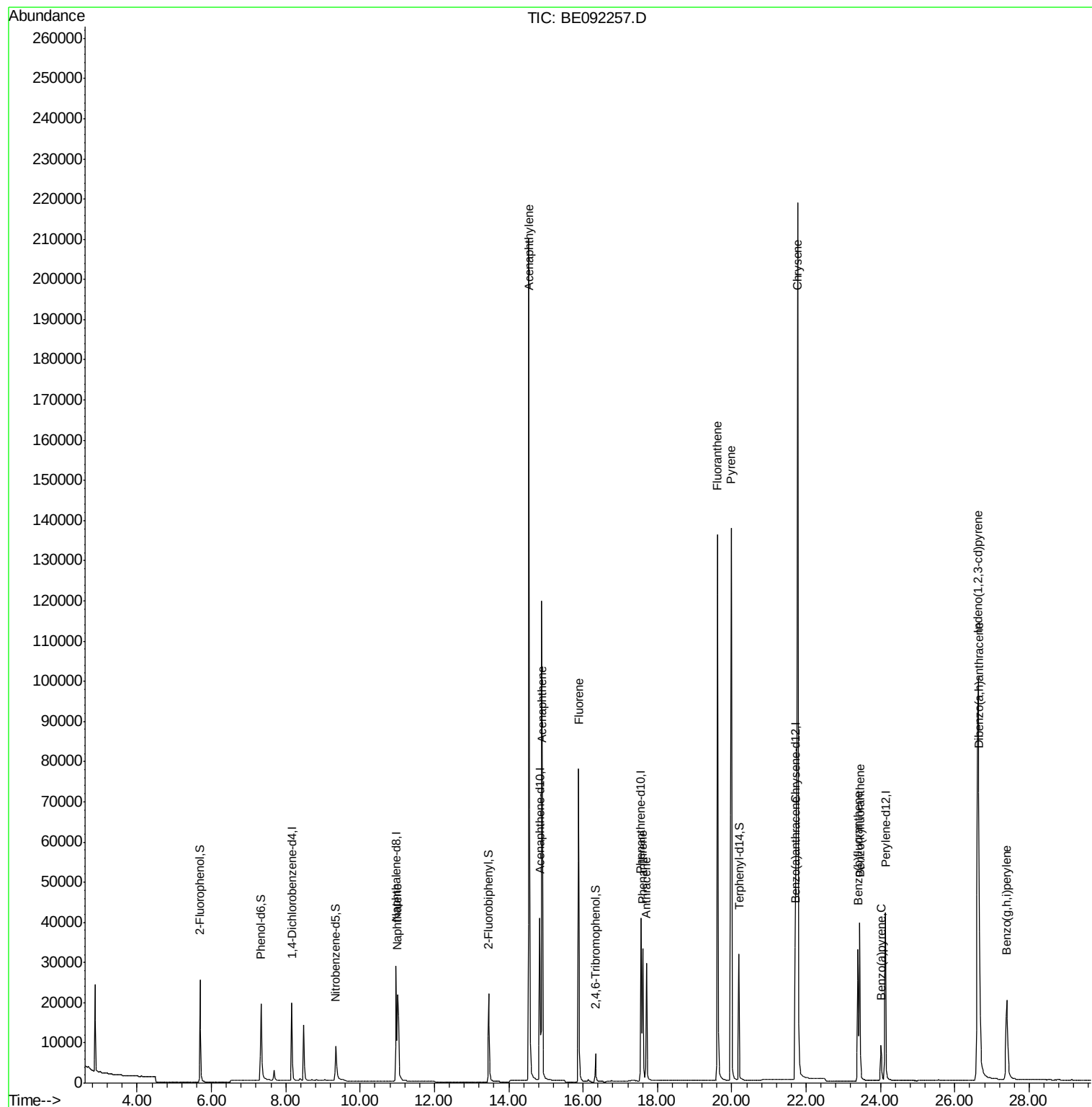
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
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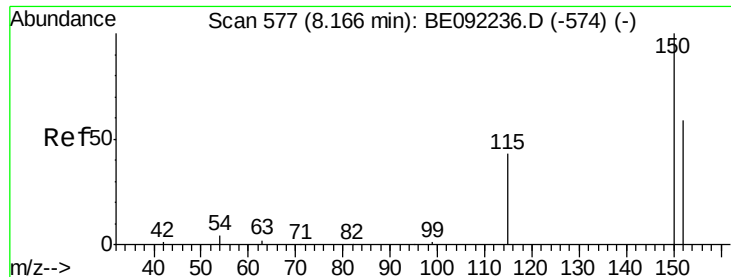
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

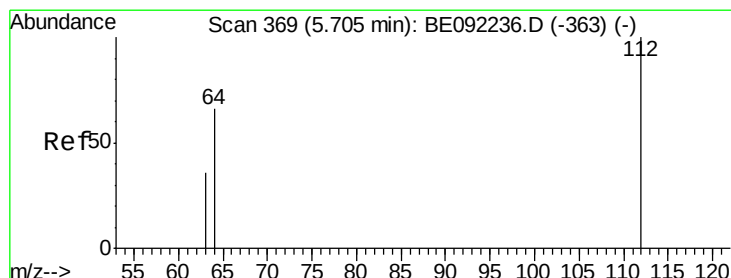
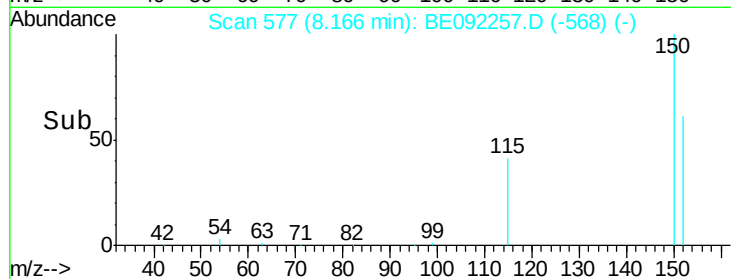
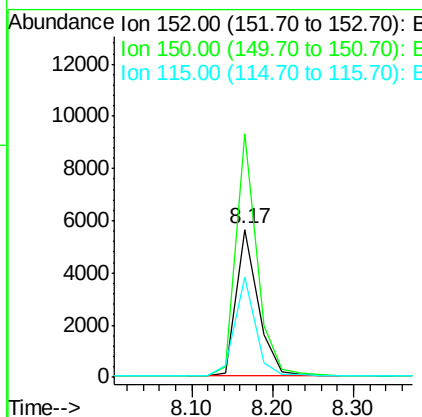
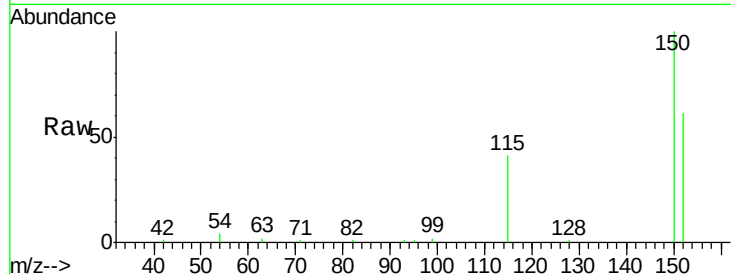
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 577
Delta R.T. -0.00 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Instrument :
BNA_E
ClientSampleId :
9548

Tgt	Ion	Ratio	Lower	Upper
152	100			
150	164.6	135.6	203.4	
115	67.6	59.4	89.0	

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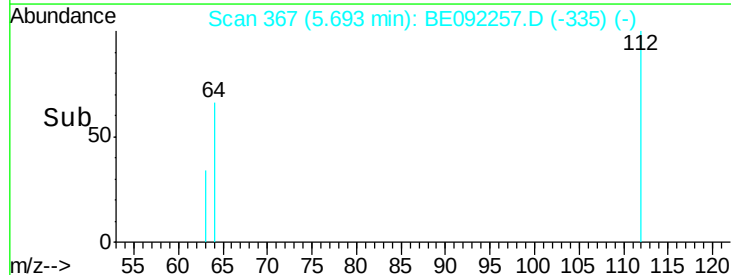
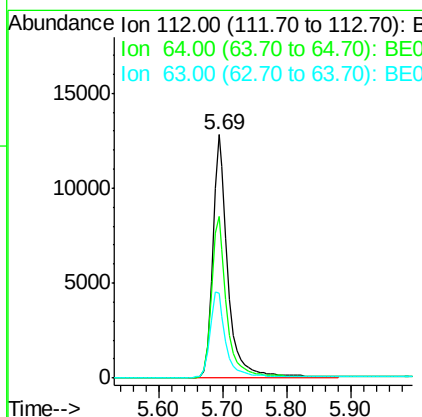
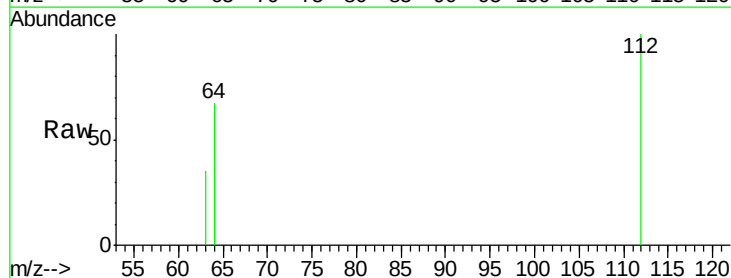
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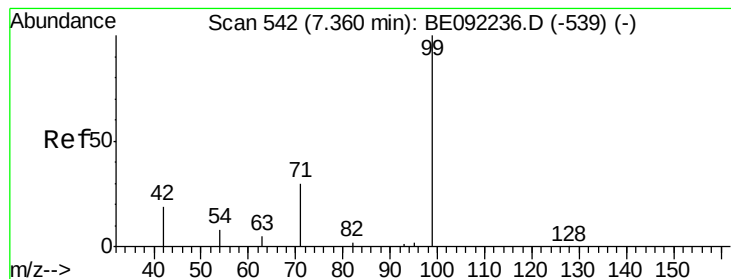


#4

2-Fluorophenol
Concen: 9.23 ng
RT: 5.69 min Scan# 367
Delta R.T. -0.01 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Tgt	Ion	Ratio	Lower	Upper
112	100			
64	67.2	53.2	79.8	
63	36.7	27.4	41.2	





#5

Phenol-d6

Concen: 8.09 ng

RT: 7.34 min Scan# 541

Delta R.T. -0.02 min

Lab File: BE092257.D

Acq: 10 Aug 2016 16:32

Instrument :

BNA_E

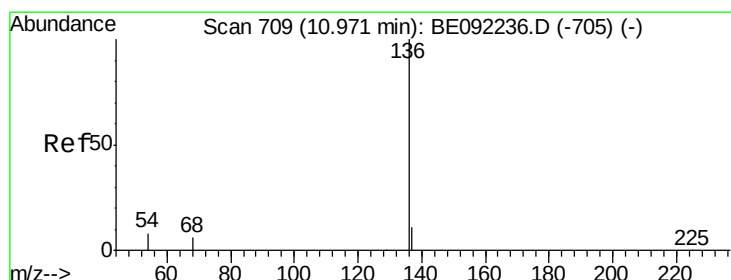
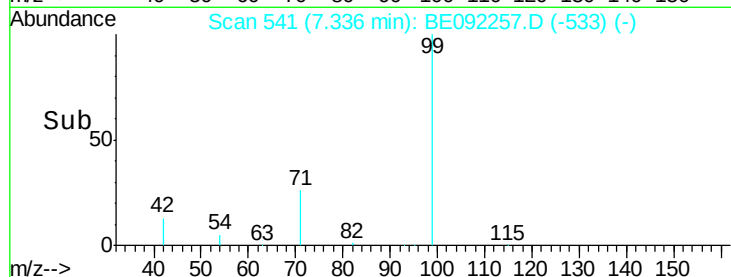
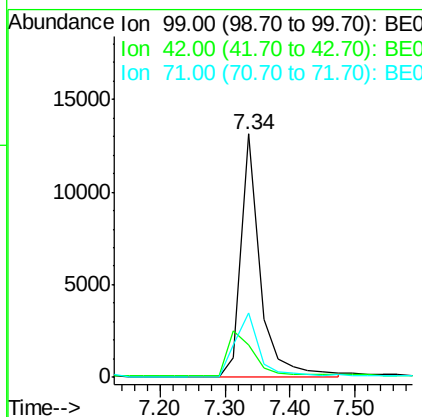
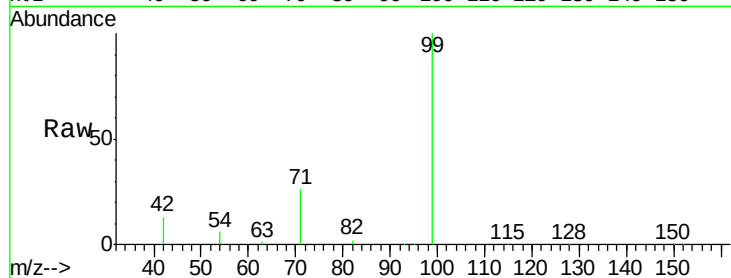
ClientSampleId :

9548

Tgt Ion:	99	Resp:	26861
Ion Ratio	Lower	Upper	
99	100		
42	0.0	0.0	0.0
71	33.3	29.8	44.8

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#7

Naphthalene-d8

Concen: 5.00 ng

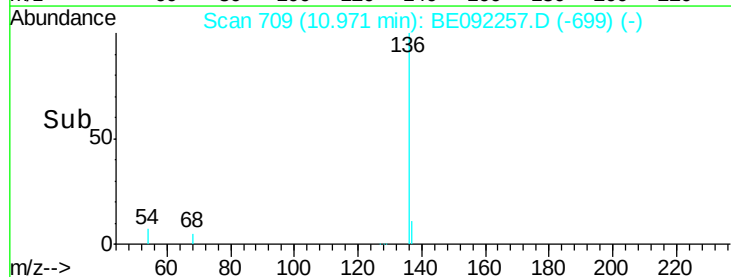
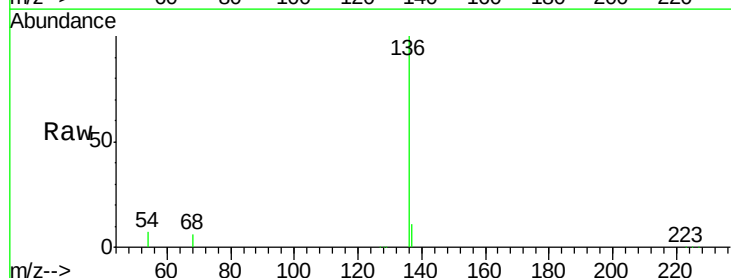
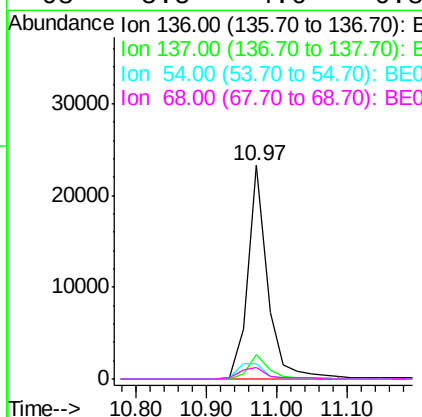
RT: 10.97 min Scan# 709

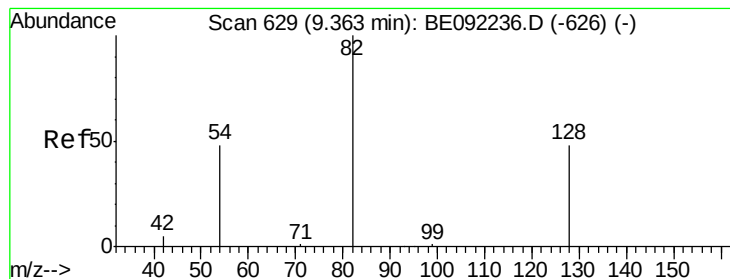
Delta R.T. -0.00 min

Lab File: BE092257.D

Acq: 10 Aug 2016 16:32

Tgt Ion:	136	Resp:	45280
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	7.5	6.2	9.4
68	5.5	4.6	6.8





#8

Nitrobenzene-d5

Concen: 3.56 ng

RT: 9.34 min Scan# 628

Delta R.T. -0.02 min

Lab File: BE092257.D

Acq: 10 Aug 2016 16:32

Instrument :

BNA_E

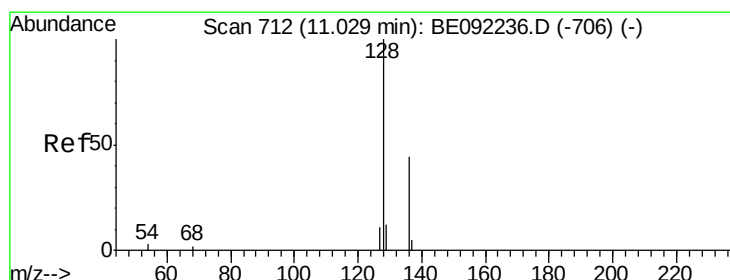
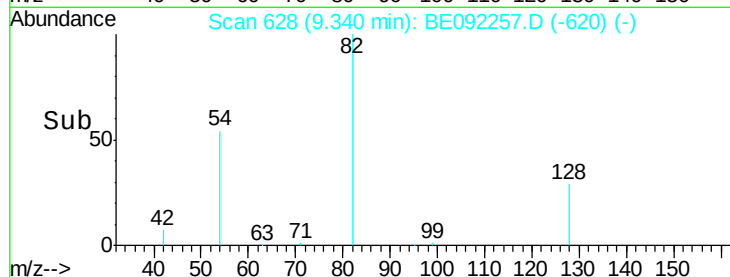
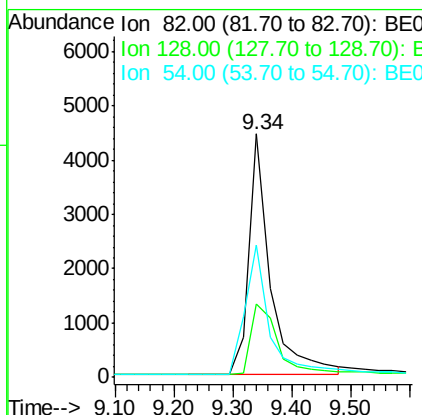
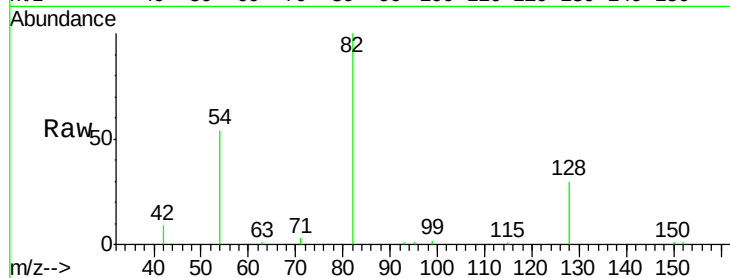
ClientSampleId :

9548

Tgt Ion:	82	Resp:	11372
Ion Ratio	Lower	Upper	
82	100		
128	30.3	45.0	67.4#
54	54.3	45.4	68.2

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#9

Naphthalene

Concen: 3.88 ng

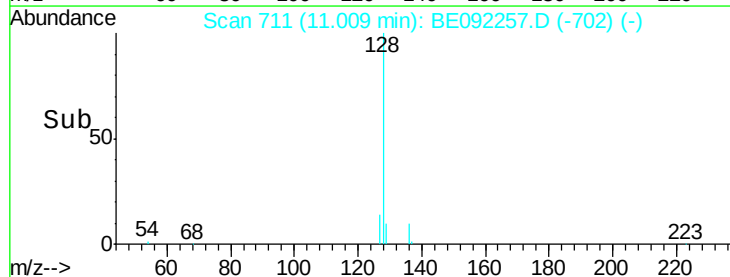
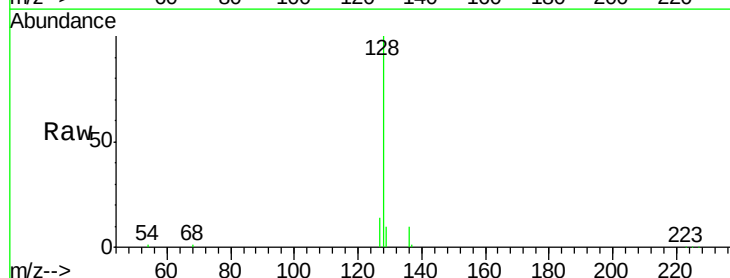
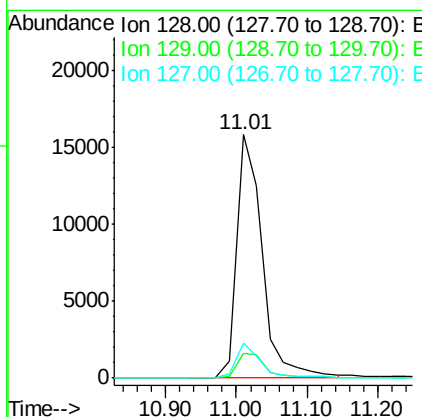
RT: 11.01 min Scan# 711

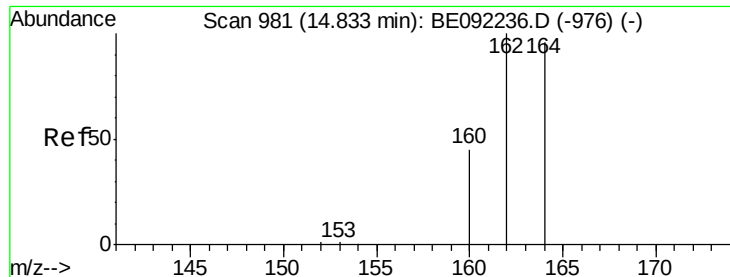
Delta R.T. -0.02 min

Lab File: BE092257.D

Acq: 10 Aug 2016 16:32

Tgt Ion:	128	Resp:	39370
Ion Ratio	Lower	Upper	
128	100		
129	10.3	11.5	17.3#
127	14.5	11.0	16.6





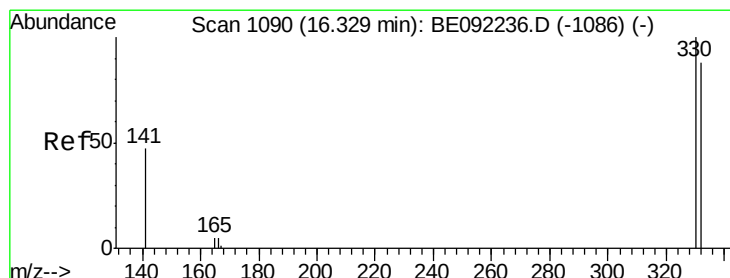
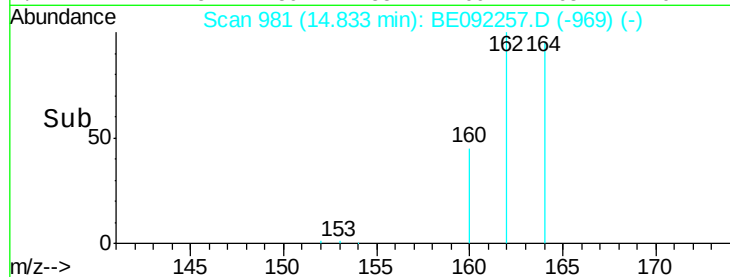
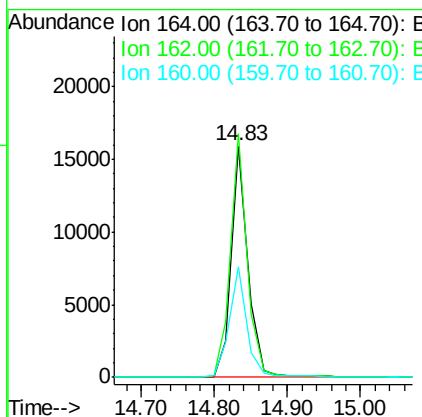
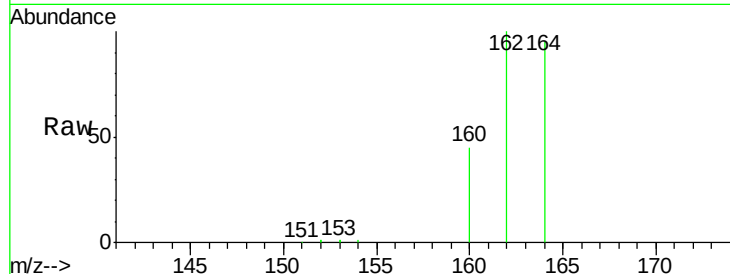
#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.83 min Scan# 981
Delta R.T. -0.00 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Instrument :
BNA_E
ClientSampled :
9548

Tgt Ion:164 Resp: 24676
Ion Ratio Lower Upper
164 100
162 105.4 83.3 124.9
160 48.0 38.0 57.0

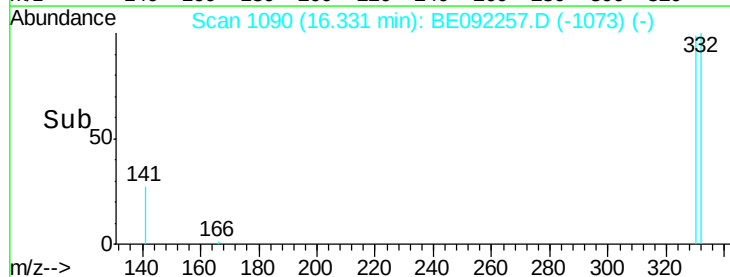
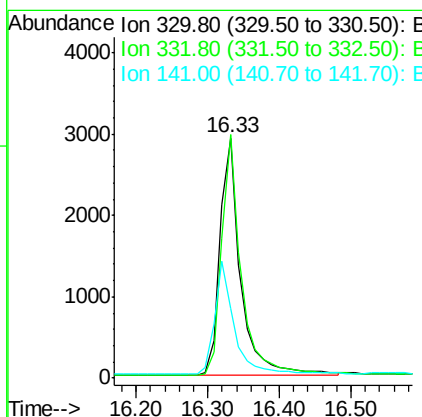
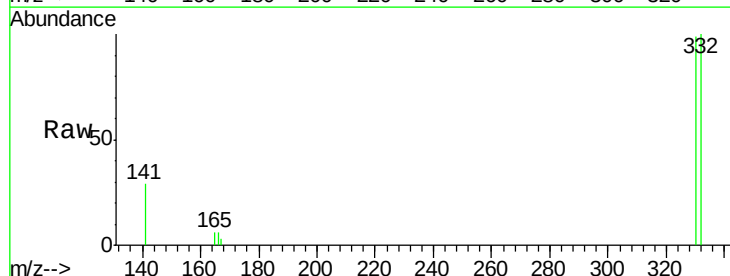
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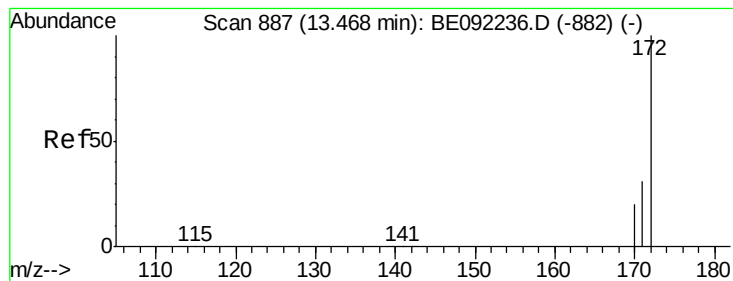
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#13
2,4,6-Tribromophenol
Concen: 6.07 ng
RT: 16.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Tgt Ion:330 Resp: 5787
Ion Ratio Lower Upper
330 100
332 96.6 75.4 113.0
141 45.3 37.7 56.5





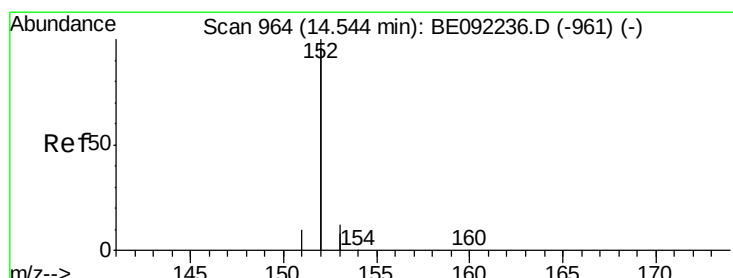
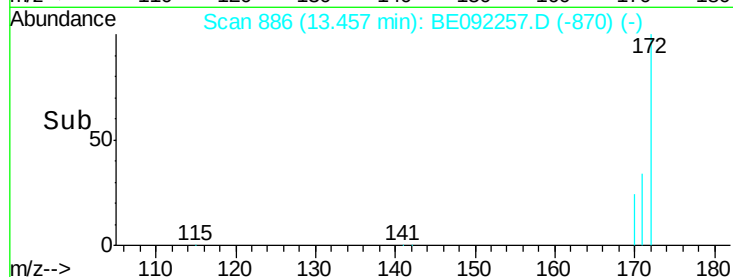
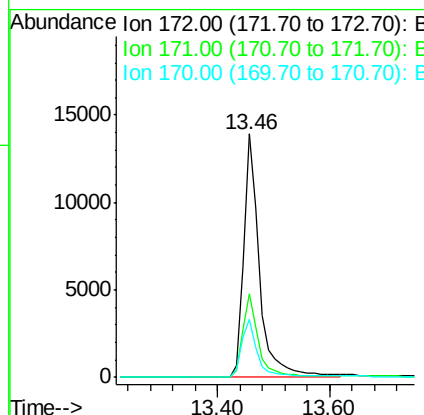
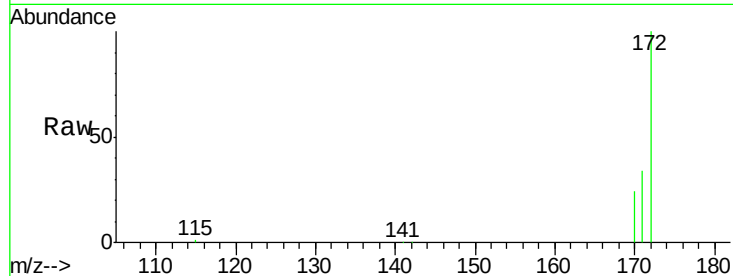
#14
2-Fluorobiphenyl
Concen: 3.57 ng
RT: 13.46 min Scan# 886
Delta R.T. -0.01 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Instrument :
BNA_E
ClientSampleId :
9548

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	26.8	40.2
170	23.8	17.8	26.6

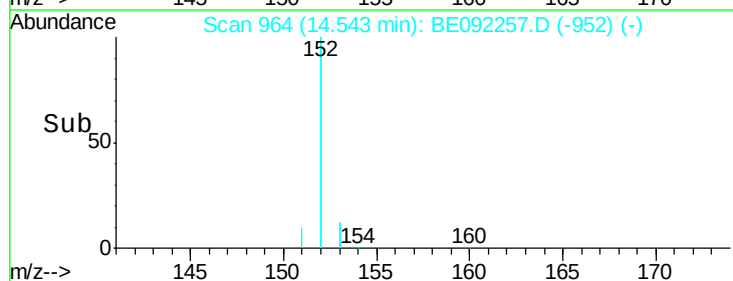
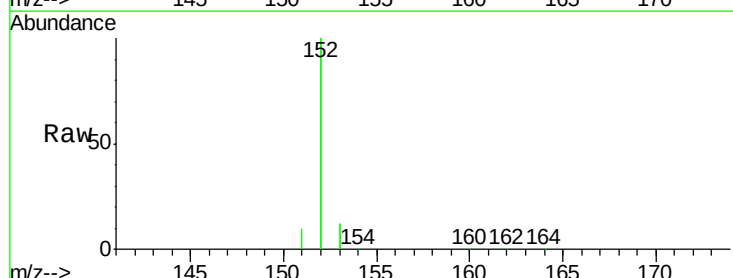
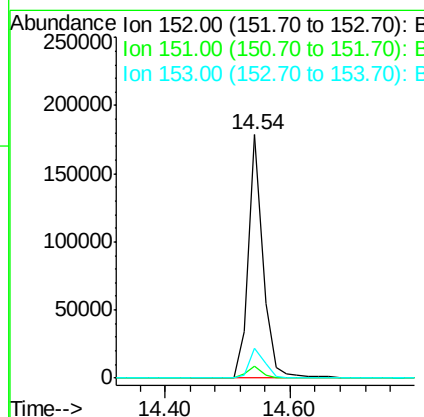
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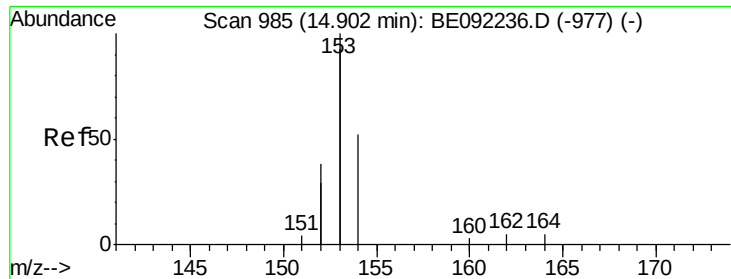
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#15
Acenaphthylene
Concen: 6.78 ng
RT: 14.54 min Scan# 964
Delta R.T. -0.00 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.8	5.8
153	13.2	10.2	15.2





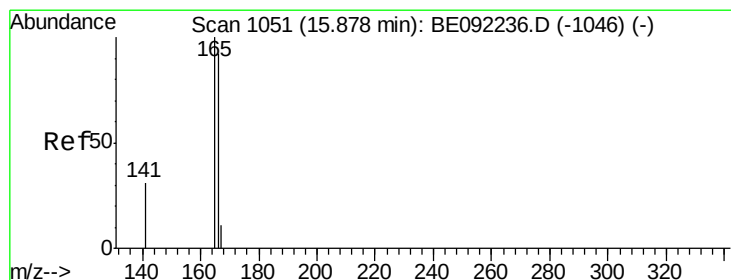
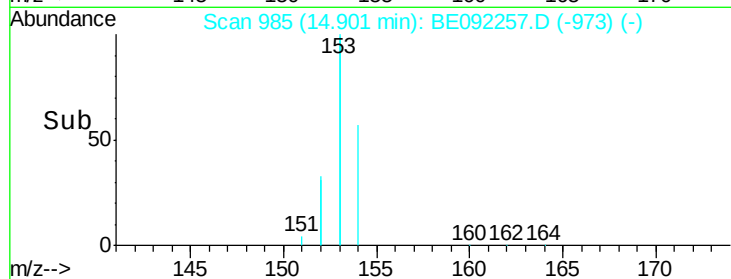
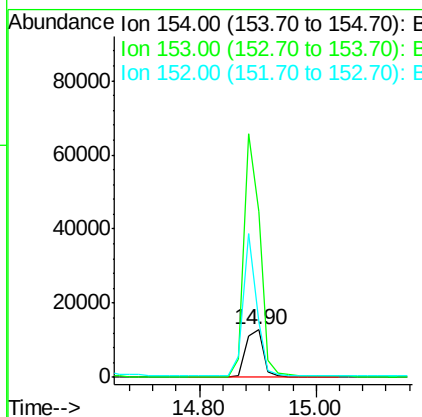
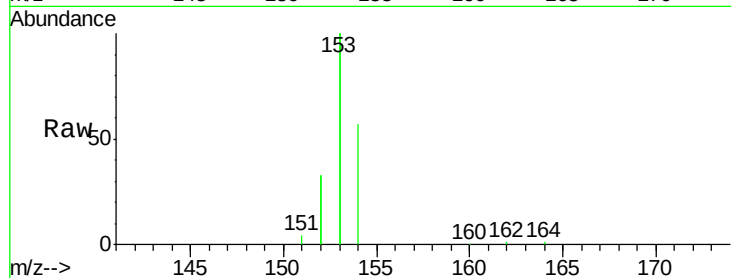
#16
Acenaphthene
Concen: 3.95 ng
RT: 14.90 min Scan# 985
Delta R.T. -0.00 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Instrument :
BNA_E
ClientSampleId :
9548

Tgt Ion	Ratio	Lower	Upper
154	100		
153	457.7	355.0	532.4
152	230.1	179.7	269.5

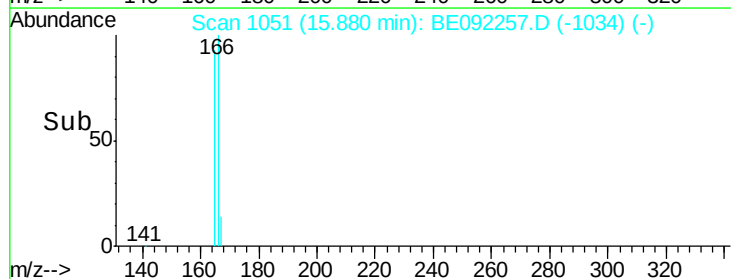
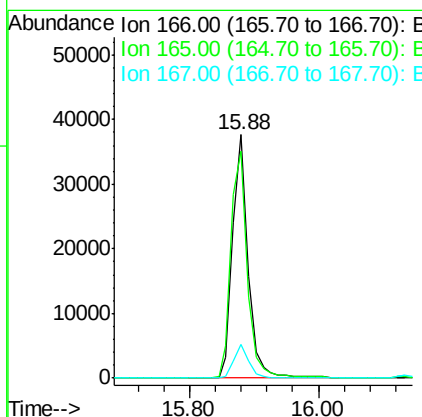
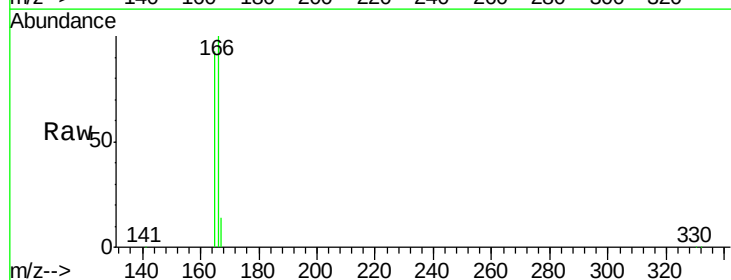
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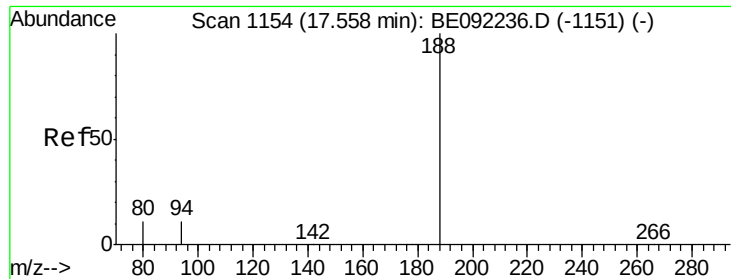
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#17
Fluorene
Concen: 7.45 ng
RT: 15.88 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	80.1	120.1
167	13.3	10.6	16.0





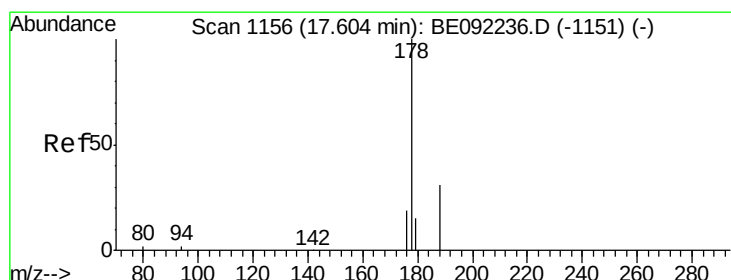
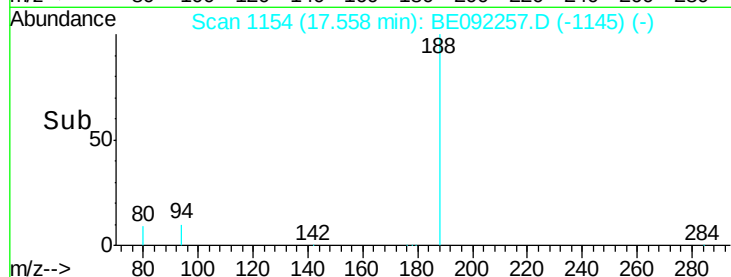
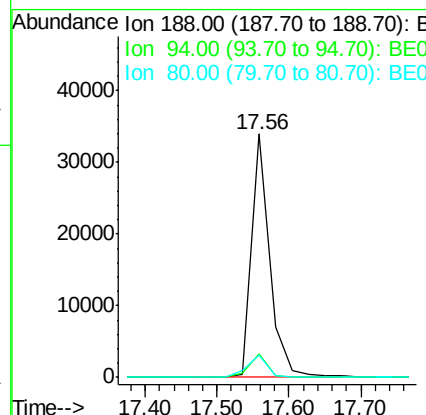
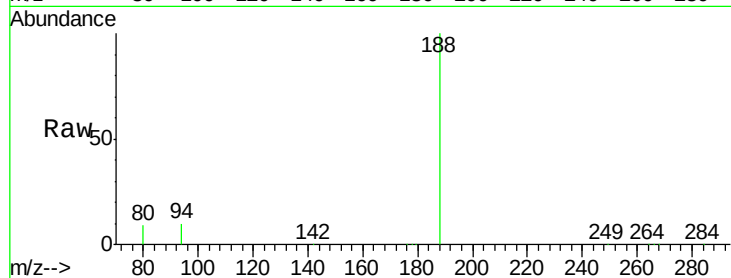
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Instrument :
BNA_E
ClientSampleId :
9548

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	9.2	13.8
80	9.3	9.1	13.7

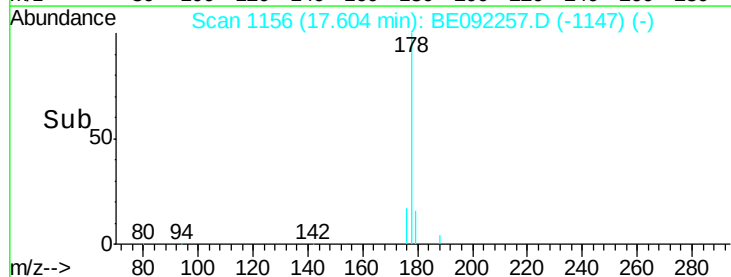
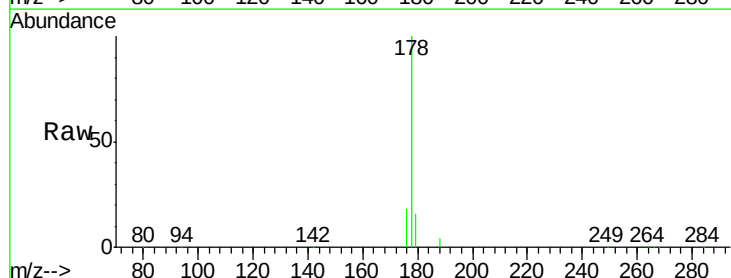
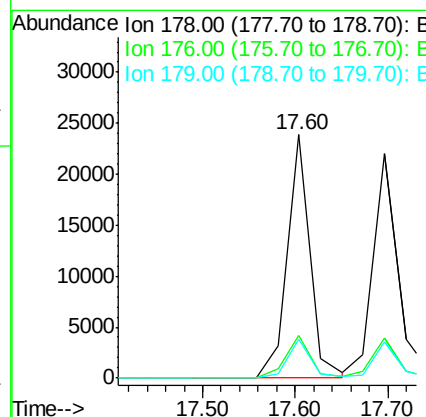
Manual Integrations
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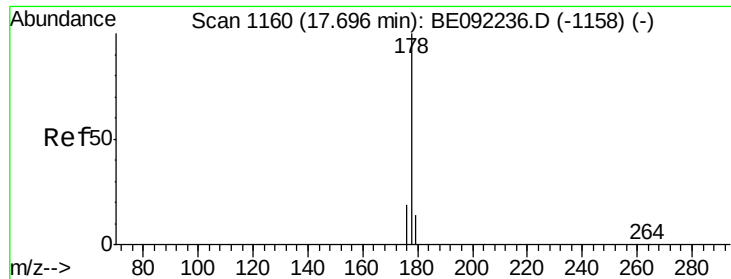
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#21
Phenanthrene
Concen: 2.63 ng
RT: 17.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.6	15.1	22.7
179	15.6	12.9	19.3





#22

Anthracene

Concen: 2.88 ng

RT: 17.70 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE092257.D

Acq: 10 Aug 2016 16:32

Instrument :

BNA_E

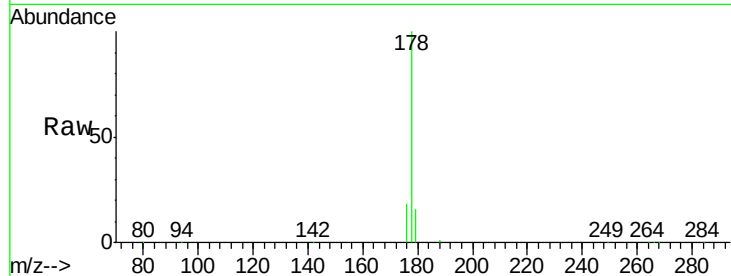
ClientSampleId :

9548

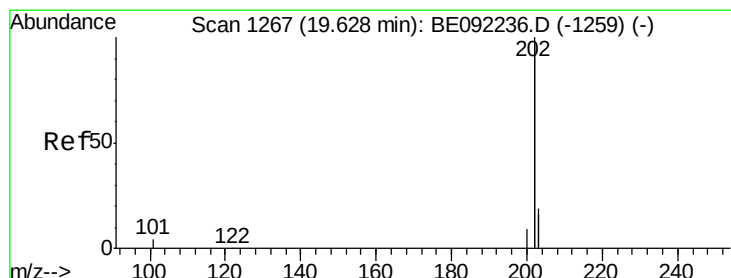
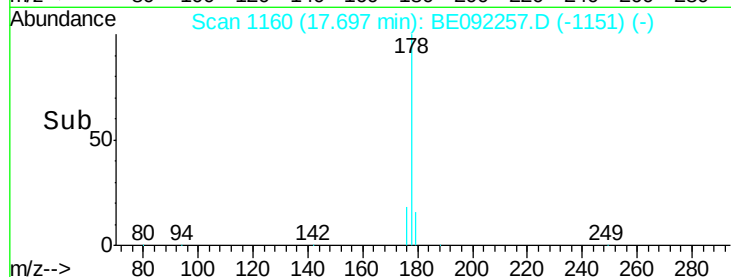
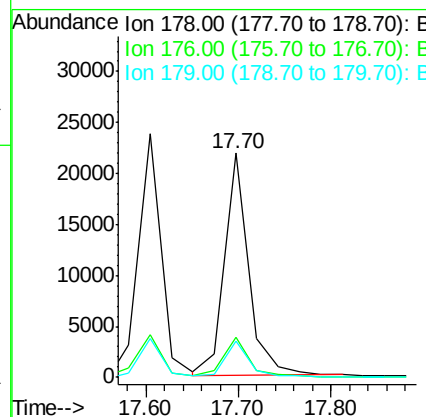
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Tgt Ion:	178	Resp:	40030
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.0	22.4
179	15.6	12.0	18.0



#23

Fluoranthene

Concen: 3.75 ng

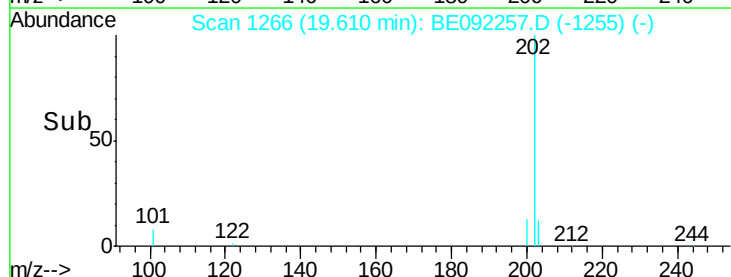
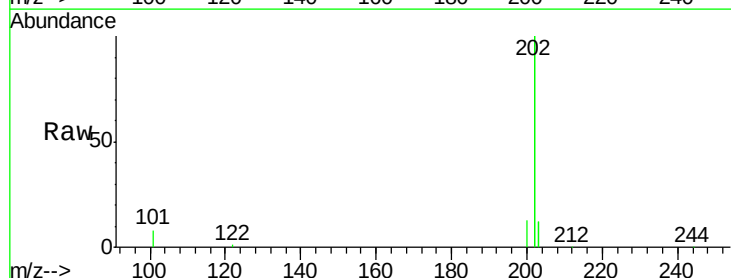
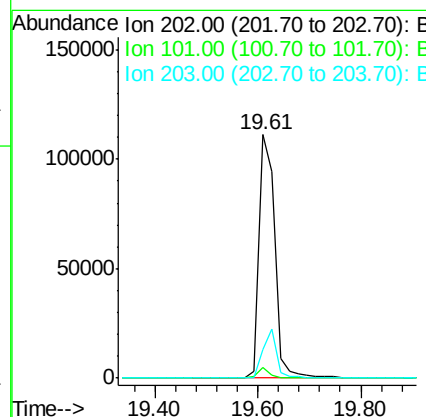
RT: 19.61 min Scan# 1266

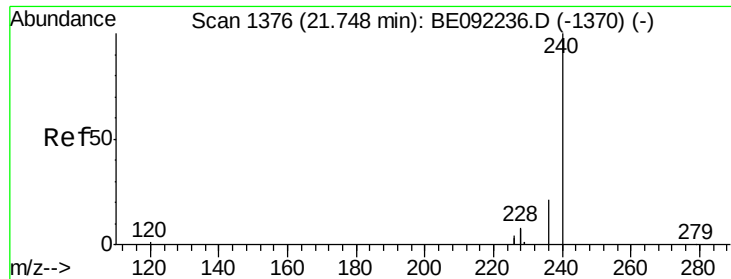
Delta R.T. -0.02 min

Lab File: BE092257.D

Acq: 10 Aug 2016 16:32

Tgt Ion:	202	Resp:	229038
Ion Ratio	Lower	Upper	
202	100		
101	2.9	2.2	3.4
203	17.5	13.7	20.5





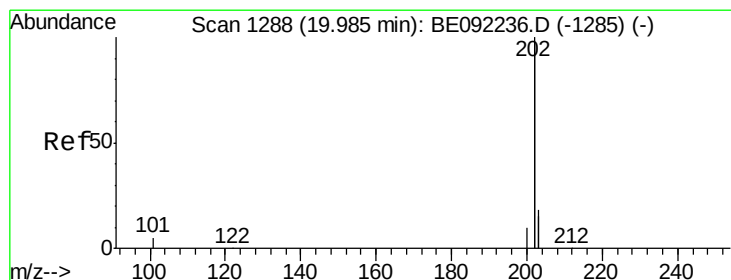
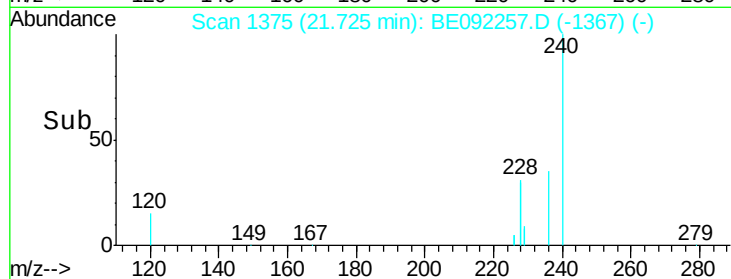
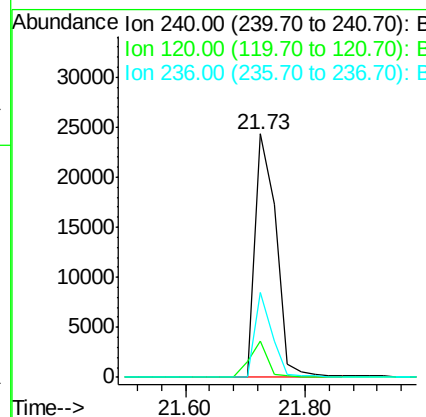
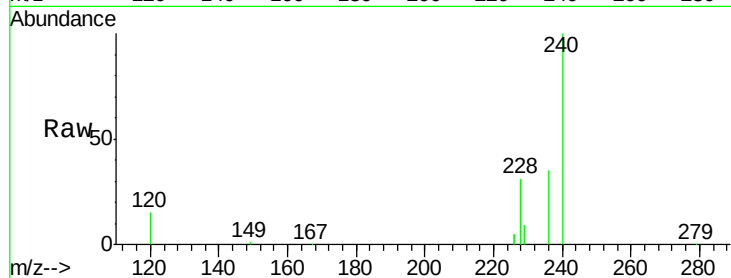
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.73 min Scan# 1375
Delta R.T. -0.02 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Instrument :
BNA_E
ClientSampleId :
9548

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.0	1.2	1.8#
236	34.8	17.1	25.7#

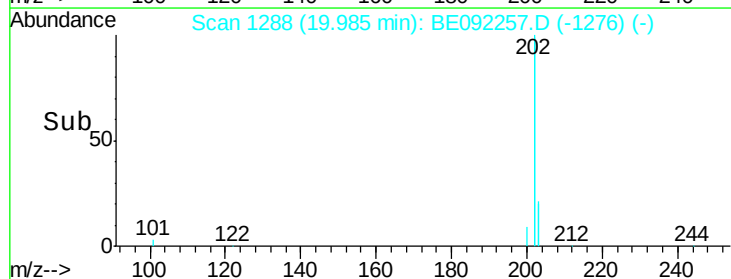
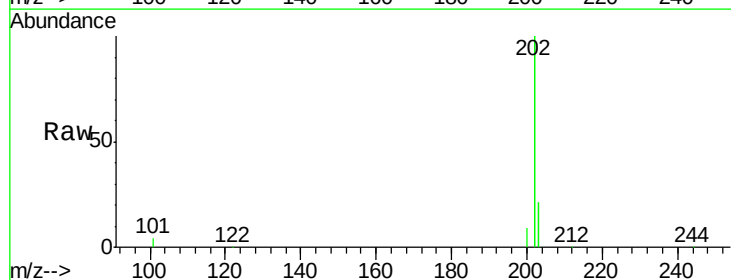
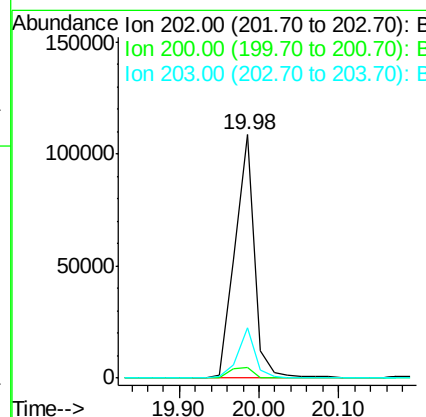
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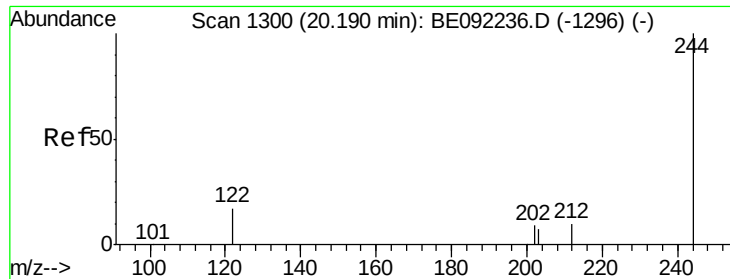
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#25
Pyrene
Concen: 2.60 ng
RT: 19.98 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	5.3	4.2	6.4
203	18.4	14.0	21.0





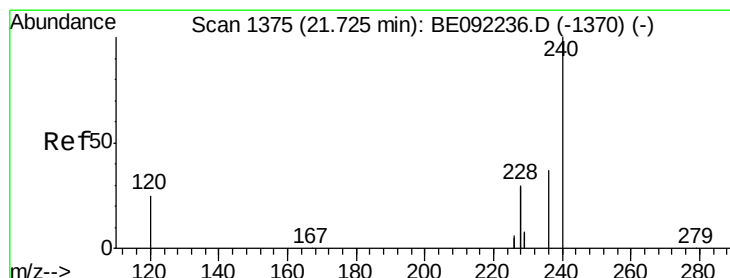
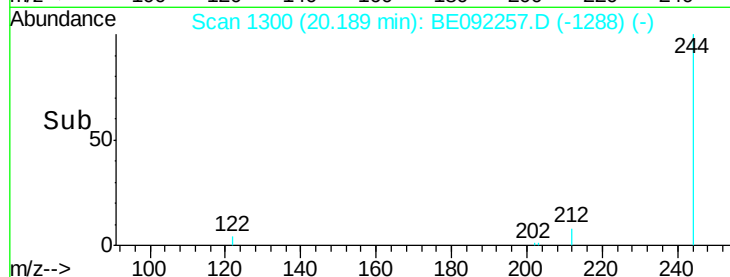
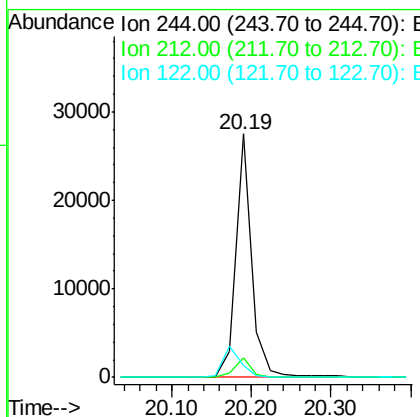
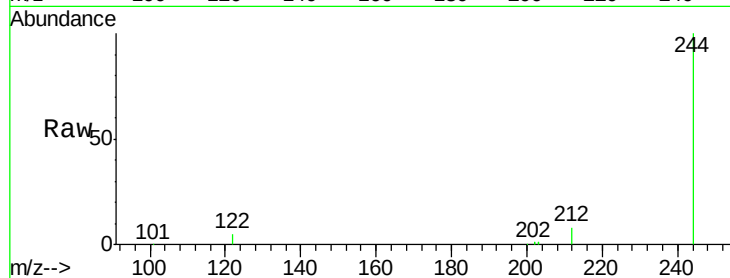
#26
 Terphenyl-d14
 Concen: 3.77 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. -0.00 min
 Lab File: BE092257.D
 Acq: 10 Aug 2016 16:32

Instrument :
 BNA_E
 ClientSampleId :
 9548

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.3	10.2	15.2#
122	4.7	15.9	23.9#

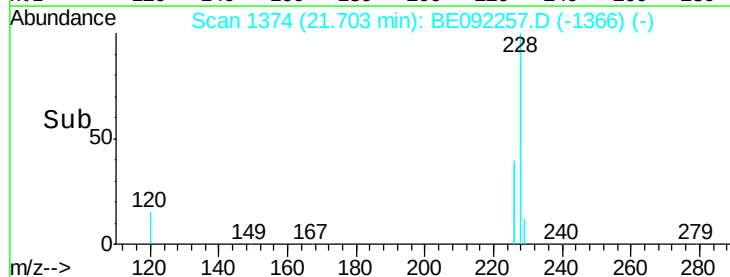
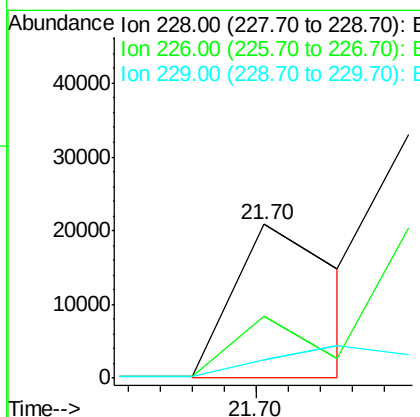
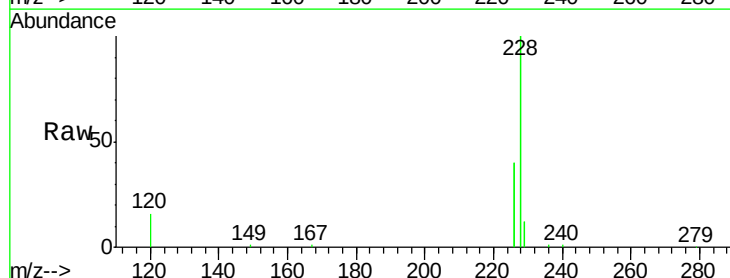
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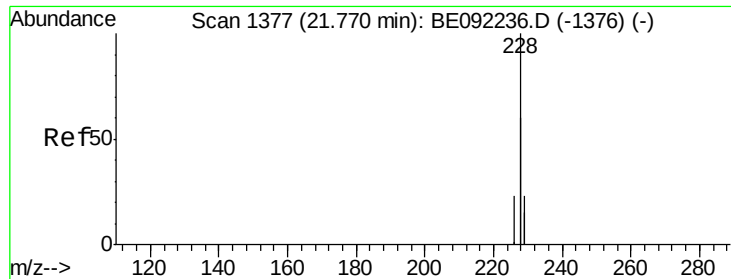
sohil
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#27
 Benzo(a)anthracene
 Concen: 0.68 ng m
 RT: 21.70 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: BE092257.D
 Acq: 10 Aug 2016 16:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.4	15.9	23.9#
229	11.7	22.4	33.6#





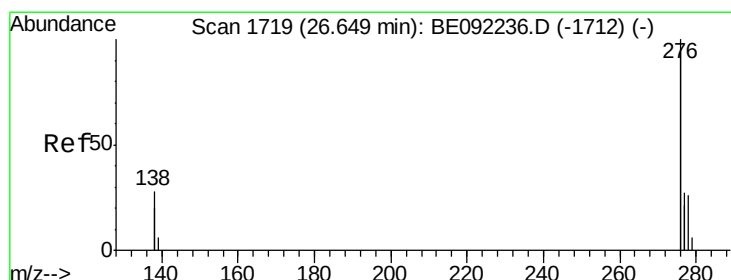
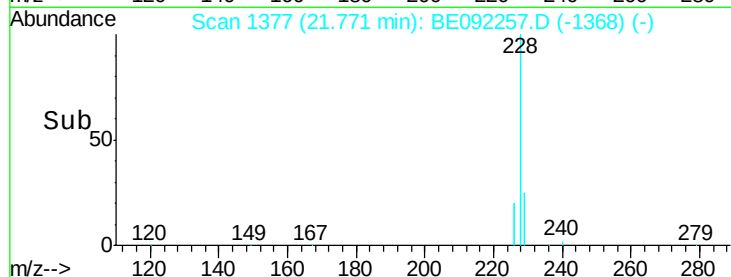
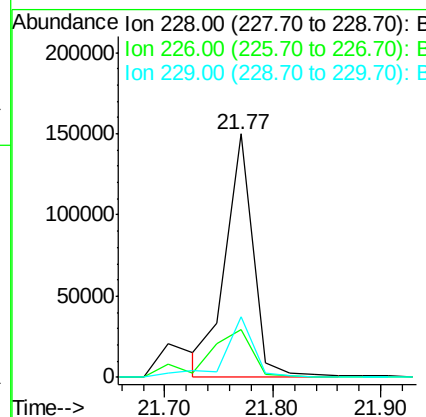
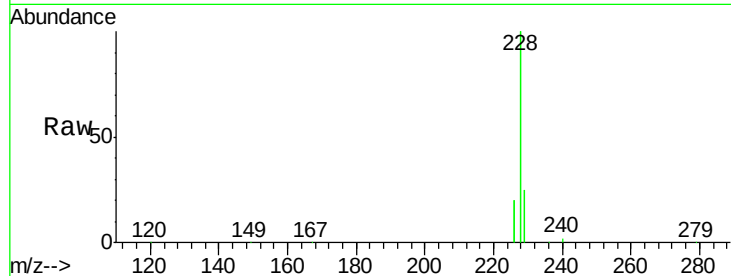
#28
Chrysene
Concen: 4.05 ng m
RT: 21.77 min Scan# 1377
Delta R.T. 0.00 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Instrument :
BNA_E
ClientSampleId :
9548

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	267556		
226	19.9	18.3	27.5	
229	25.0	18.6	27.8	

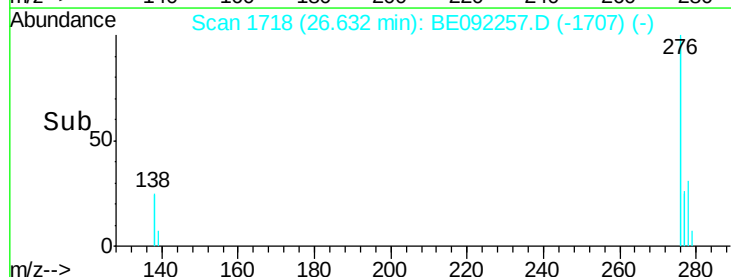
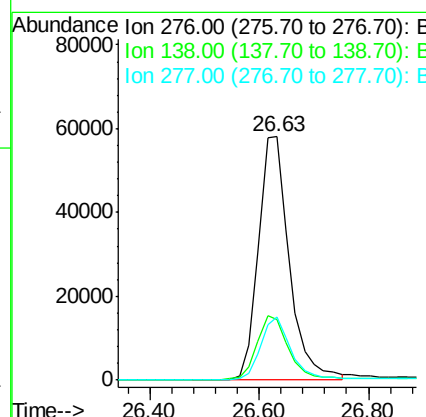
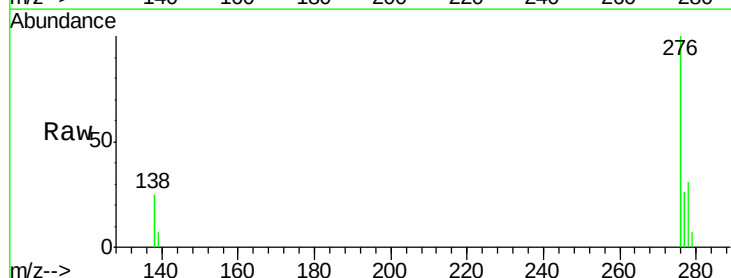
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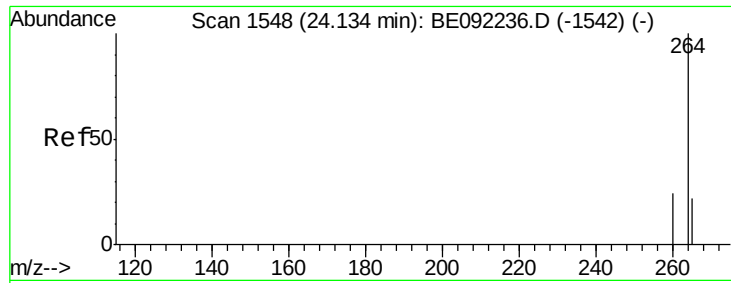
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#30
Indeno(1,2,3-cd)pyrene
Concen: 3.18 ng
RT: 26.63 min Scan# 1718
Delta R.T. -0.02 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	226348		
138	26.5	21.3	31.9	
277	24.7	19.7	29.5	





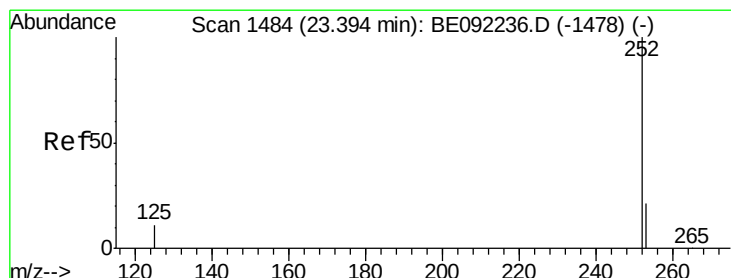
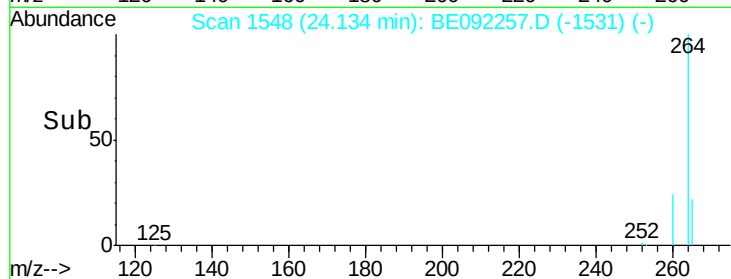
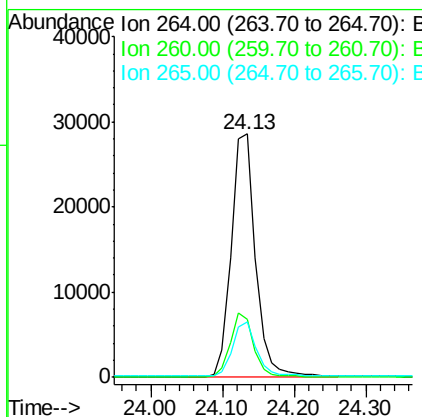
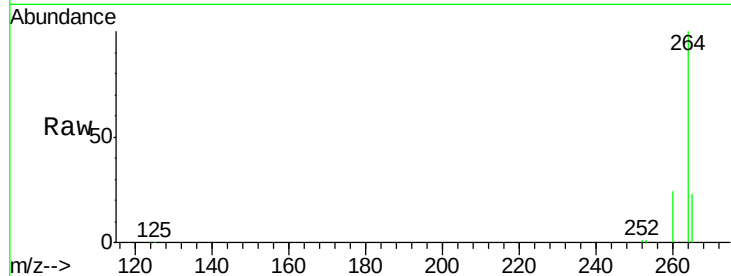
#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.13 min Scan# 1548
 Delta R.T. -0.00 min
 Lab File: BE092257.D
 Acq: 10 Aug 2016 16:32

Instrument :
 BNA_E
 ClientSampleId :
 9548

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	67363		
260	23.8	19.5	29.3	
265	23.0	18.2	27.4	

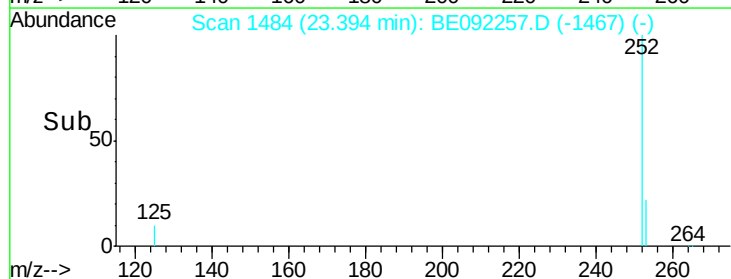
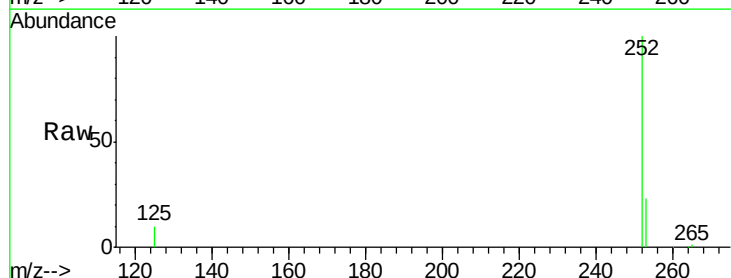
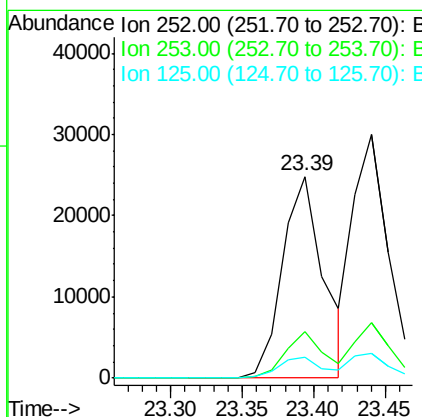
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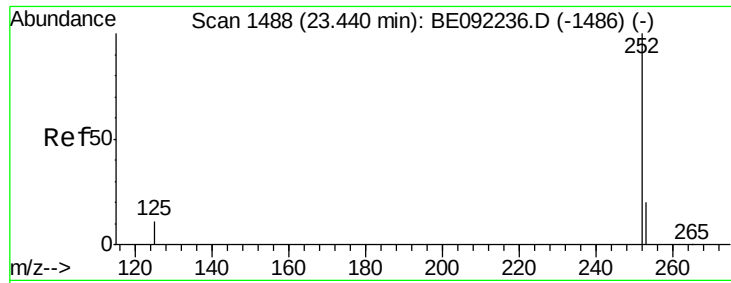
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#32
 Benzo(b)fluoranthene
 Concen: 2.77 ng
 RT: 23.39 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: BE092257.D
 Acq: 10 Aug 2016 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	48979		
253	22.8	19.0	28.4	
125	10.1	10.3	15.5#	





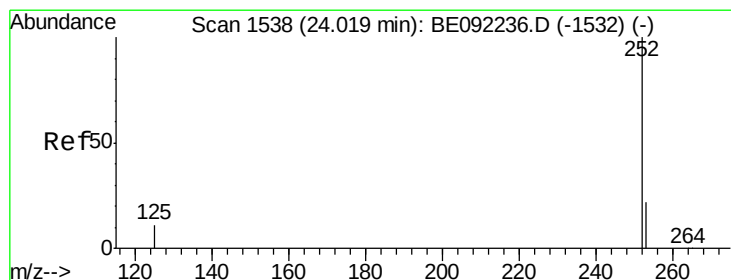
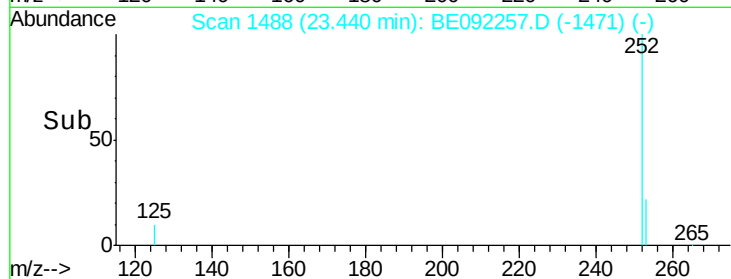
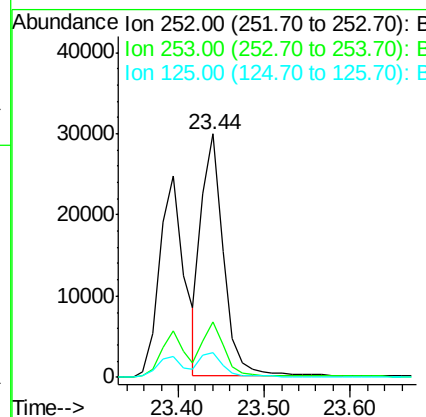
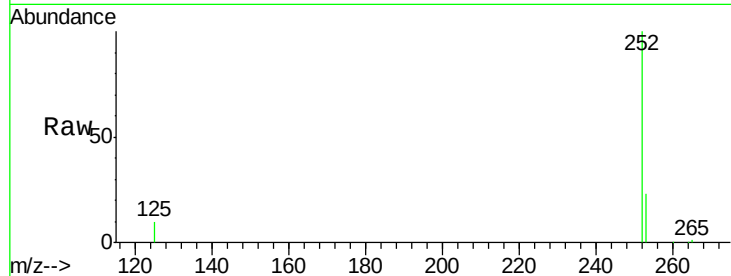
#33
Benzo(k)fluoranthene
Concen: 2.97 ng
RT: 23.44 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Instrument :
BNA_E
ClientSampleId :
9548

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	19.0	28.6
125	10.0	10.6	15.8

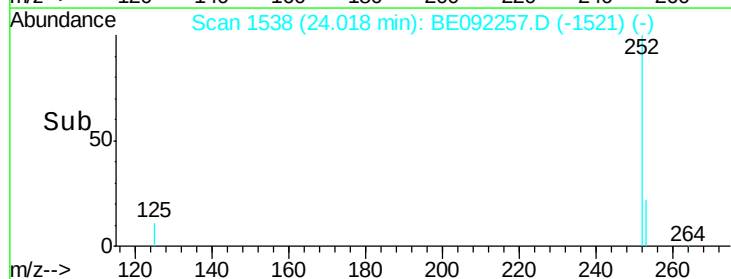
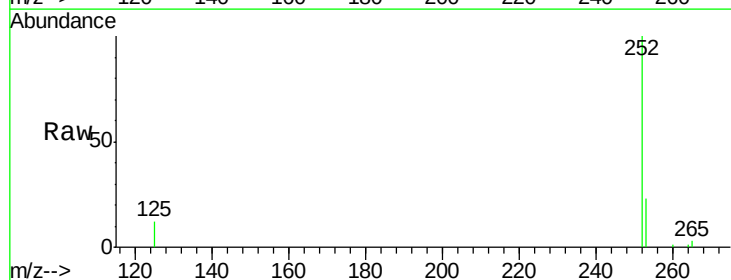
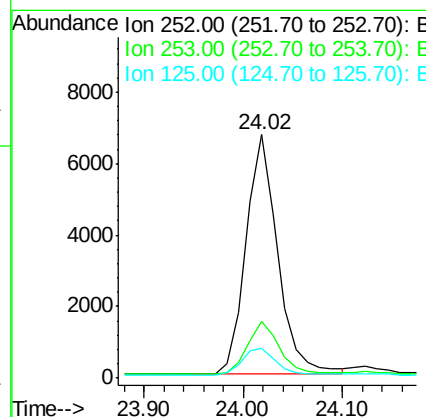
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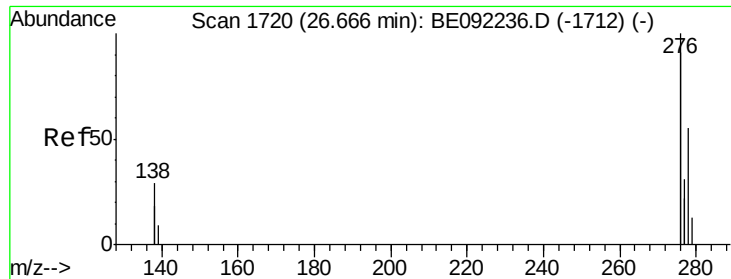
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#34
Benzo(a)pyrene
Concen: 0.89 ng
RT: 24.02 min Scan# 1538
Delta R.T. -0.00 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.3	30.5
125	12.1	11.8	17.6





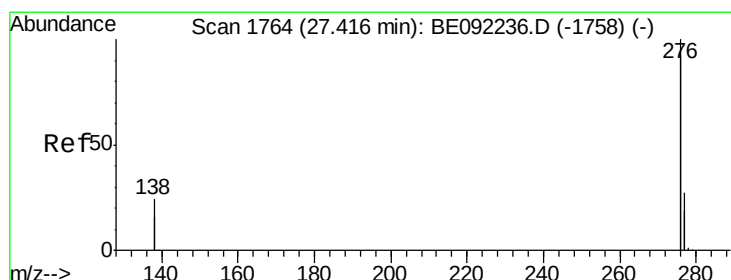
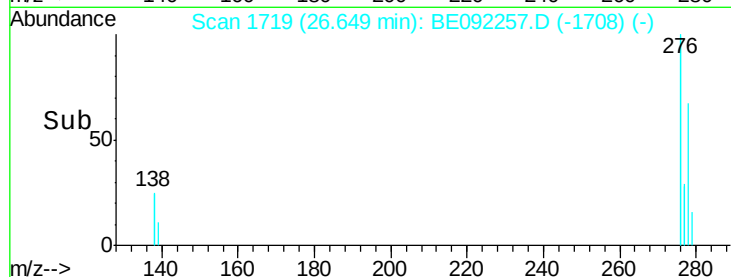
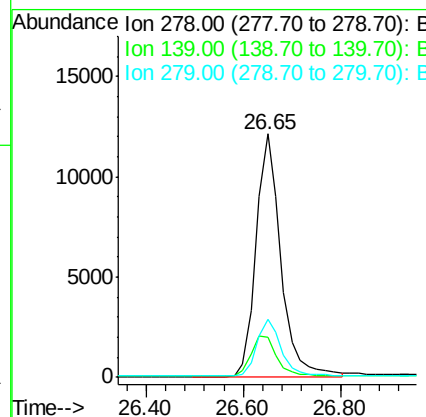
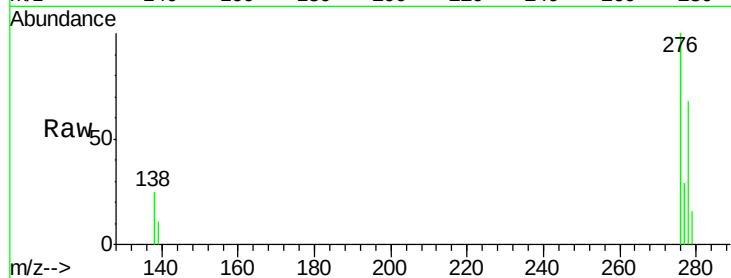
#35
Dibenzo(a,h)anthracene
Concen: 2.79 ng
RT: 26.65 min Scan# 1719
Delta R.T. -0.02 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Instrument :
BNA_E
ClientSampleId :
9548

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.4	16.2	24.2
279	24.0	21.4	32.2

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#36
Benzo(g,h,i)perylene
Concen: 0.78 ng
RT: 27.40 min Scan# 1763
Delta R.T. -0.02 min
Lab File: BE092257.D
Acq: 10 Aug 2016 16:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	21.4	32.2
138	23.8	19.4	29.2

