

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
 Data File : BE092258.D
 Acq On : 10 Aug 2016 17:10
 Operator : UM/SJ
 Sample : H4145-30
 Misc : confirmation run
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 9550

Manual Integrations
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Quant Time: Aug 11 01:25:58 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	12575	5.00	ng	0.00
7) Naphthalene-d8	10.97	136	59695	5.00	ng	0.00
12) Acenaphthene-d10	14.83	164	33556	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	83699	5.00	ng	0.00
24) Chrysene-d12	21.73	240	77524	5.00	ng	-0.02
31) Perylene-d12	24.13	264	81798	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.69	112	8000	2.91	ng	-0.01
5) Phenol-d6	7.34	99	12978	3.28	ng	-0.02
8) Nitrobenzene-d5	9.34	82	6754	1.60	ng	-0.02
13) 2,4,6-Tribromophenol	16.32	330	6094	4.75	ng	-0.01
14) 2-Fluorobiphenyl	13.46	172	18809	1.81	ng	-0.01
26) Terphenyl-d14	20.19	244	40532	3.09	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	11.01	128	17300	1.29	ng	# 94
15) Acenaphthylene	14.54	152	380850	6.56	ng	99
16) Acenaphthene	14.88	154	41414	4.45	ng	97
17) Fluorene	15.88	166	28690	2.55	ng	99
21) Phenanthrene	17.60	178	110678	5.11	ng	100
22) Anthracene	17.70	178	54748	2.80	ng	98
23) Fluoranthene	19.61	202	595918	6.93	ng	99
25) Pyrene	19.99	202	385787	4.21	ng	99
27) Benzo(a)anthracene	21.70	228	201145m	2.16	ng	
28) Chrysene	21.77	228	559775m	6.51	ng	
29) Bis(2-ethylhexyl)phthalate	21.63	149	8271	0.74	ng	# 94
30) Indeno(1,2,3-cd)pyrene	26.63	276	207930	2.25	ng	99
32) Benzo(b)fluoranthene	23.39	252	72859	3.39	ng	97
33) Benzo(k)fluoranthene	23.44	252	59091	2.73	ng	97
34) Benzo(a)pyrene	24.02	252	91675	4.53	ng	# 94
35) Dibenzo(a,h)anthracene	26.65	278	34985	1.86	ng	94
36) Benzo(g,h,i)perylene	27.40	276	723048	8.92	ng	95

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

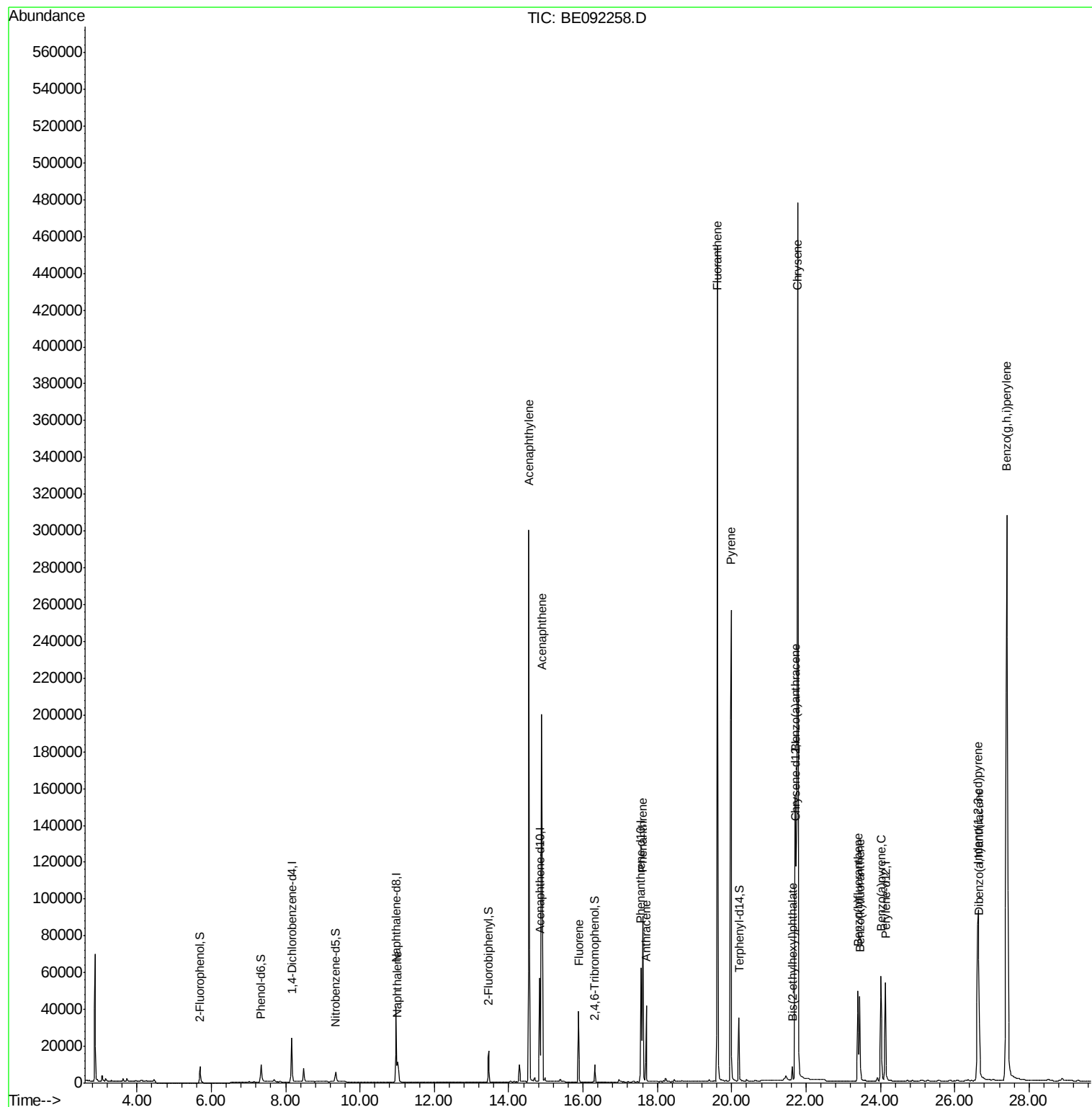
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081016\
Data File : BE092258.D
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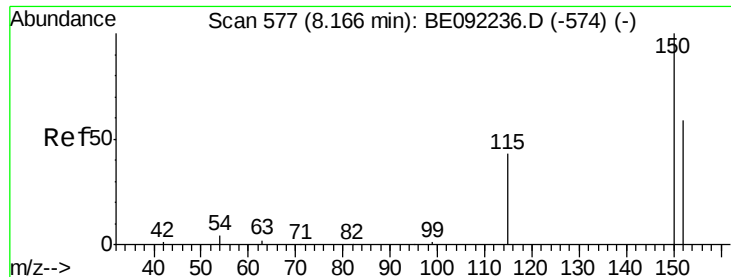
Instrument :
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ClientSampleId :
9550

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#1

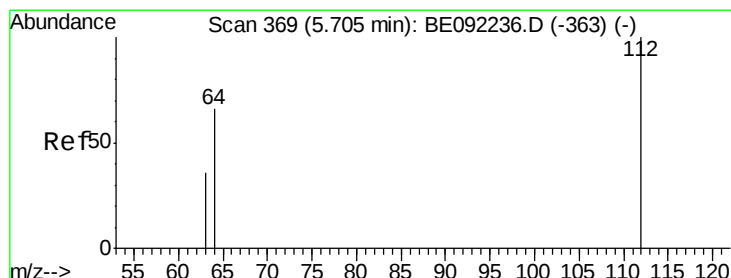
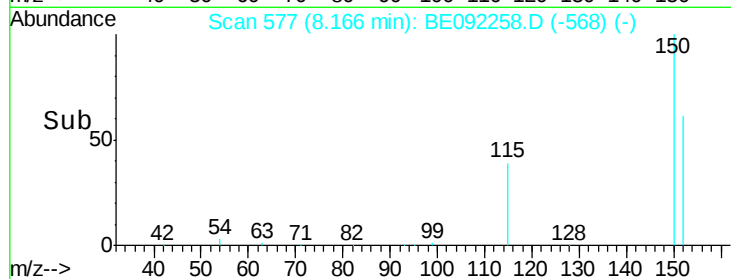
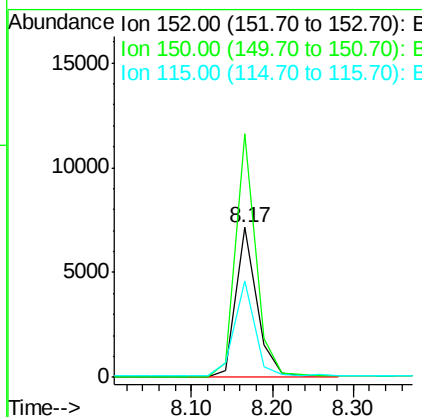
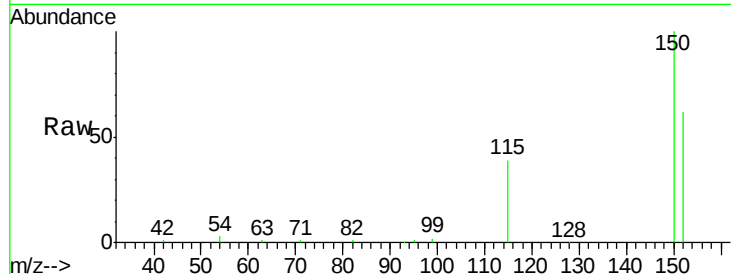
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.17 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE092258.D
Acq: 10 Aug 2016 17:10

Instrument :
BNA_E
ClientSampleId :
9550

Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.6	135.6	203.4
115	64.1	59.4	89.0

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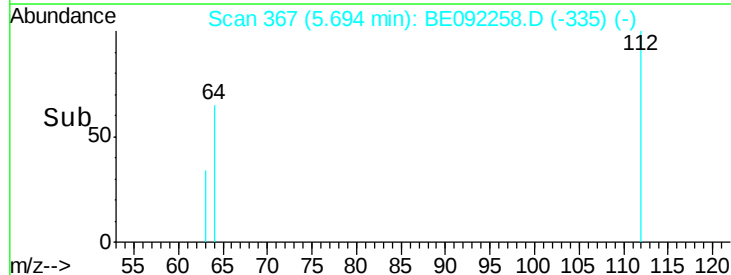
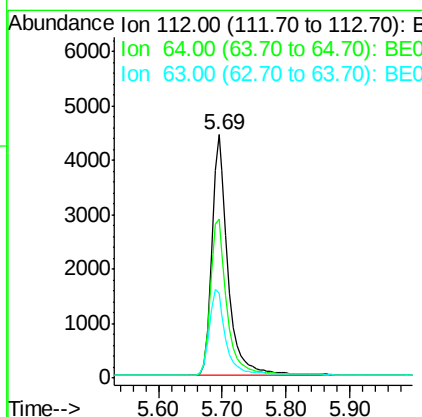
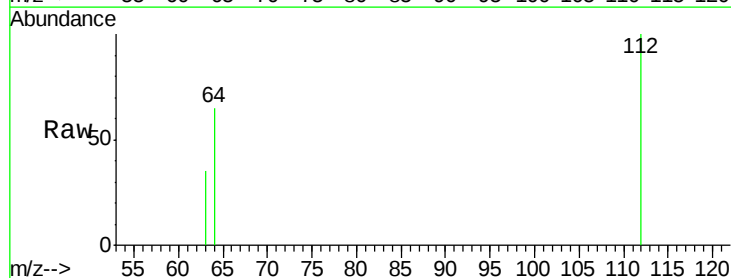
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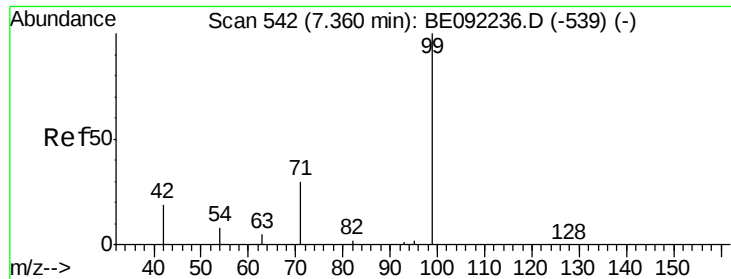


#4

2-Fluorophenol
Concen: 2.91 ng
RT: 5.69 min Scan# 367
Delta R.T. -0.01 min
Lab File: BE092258.D
Acq: 10 Aug 2016 17:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	53.2	79.8
63	37.0	27.4	41.2





#5

Phenol-d6

Concen: 3.28 ng

RT: 7.34 min Scan# 541

Delta R.T. -0.02 min

Lab File: BE092258.D

Acq: 10 Aug 2016 17:10

Instrument :

BNA_E

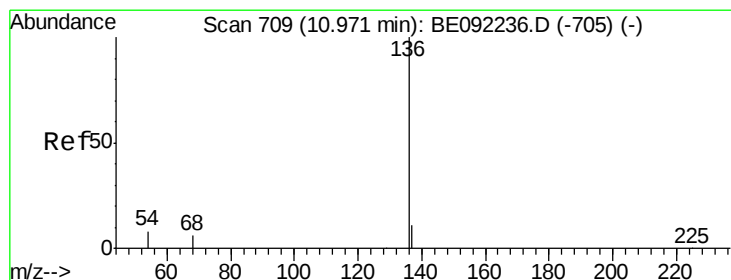
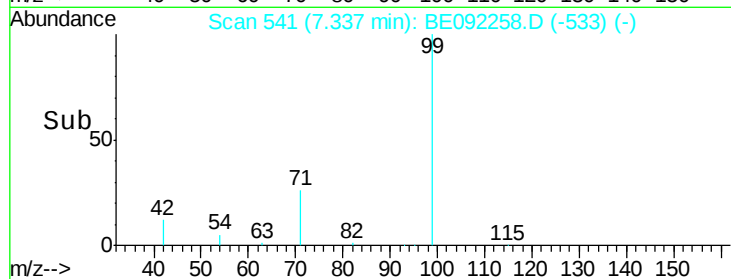
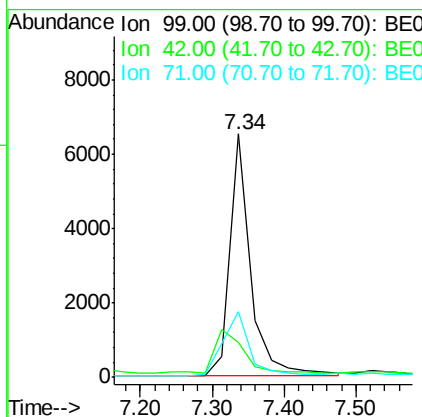
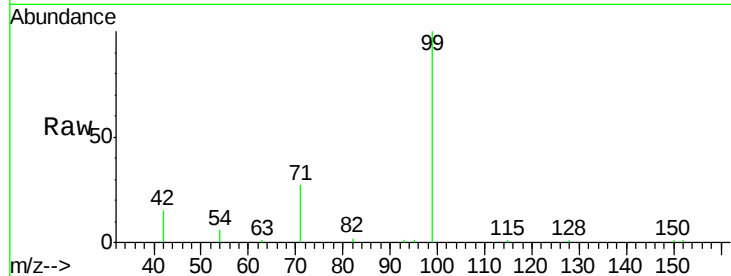
ClientSampleId :

9550

Tgt Ion:	99	Resp:	12978
Ion Ratio	Lower	Upper	
99	100		
42	0.0	0.0	0.0
71	33.5	29.8	44.8

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#7

Naphthalene-d8

Concen: 5.00 ng

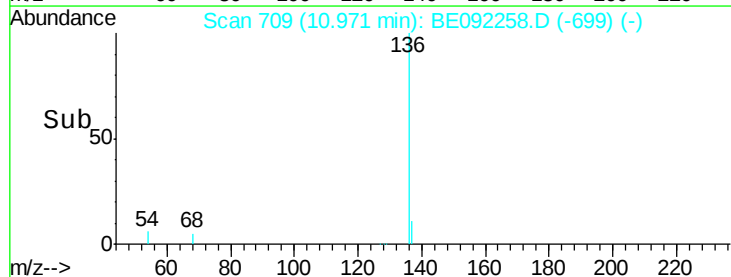
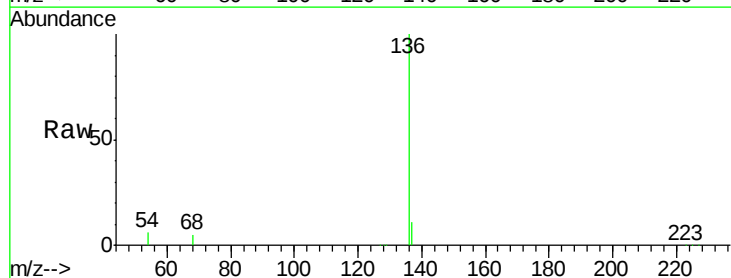
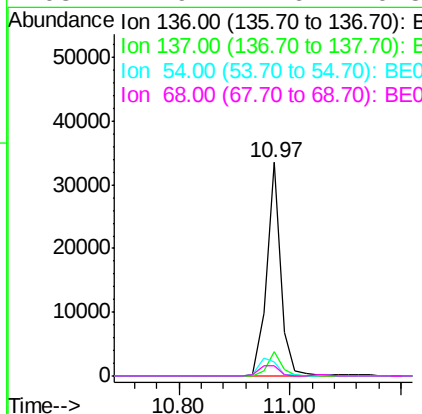
RT: 10.97 min Scan# 709

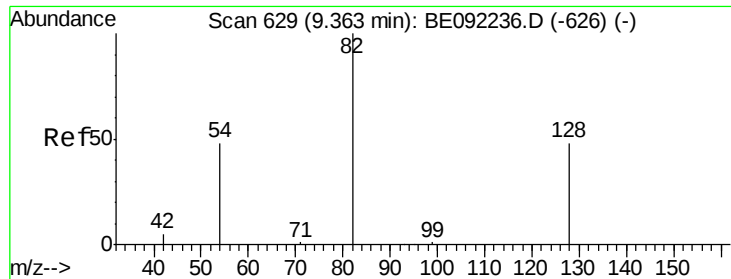
Delta R.T. -0.00 min

Lab File: BE092258.D

Acq: 10 Aug 2016 17:10

Tgt Ion:	136	Resp:	59695
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	6.3	6.2	9.4
68	4.9	4.6	6.8





#8

Nitrobenzene-d5

Concen: 1.60 ng

RT: 9.34 min Scan# 628

Delta R.T. -0.02 min

Lab File: BE092258.D

Acq: 10 Aug 2016 17:10

Instrument :

BNA_E

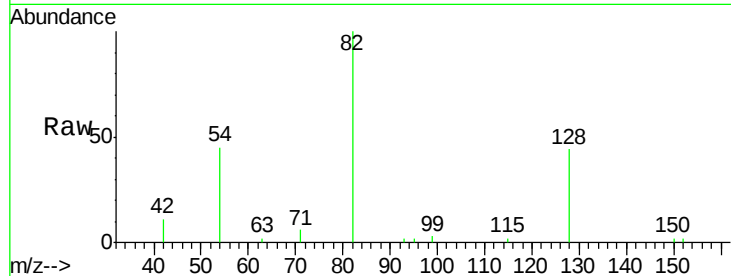
ClientSampleId :

9550

Tgt Ion:	82	Resp:	6754
Ion Ratio	Lower	Upper	
82	100		
128	43.8	45.0	67.4#
54	44.8	45.4	68.2#

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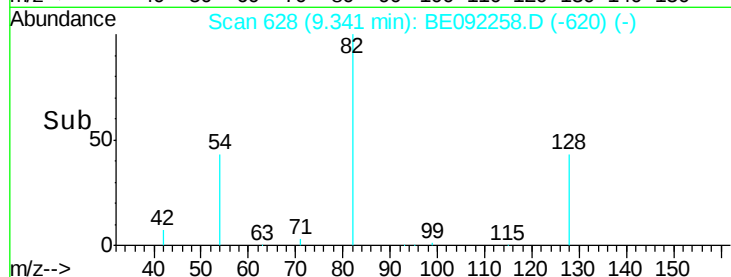


Abundance Ion 82.00 (81.70 to 82.70): BE092236.D (-626) (-)

Ion 128.00 (127.70 to 128.70): BE092236.D (-626) (-)

Ion 54.00 (53.70 to 54.70): BE092236.D (-626) (-)

Time-->

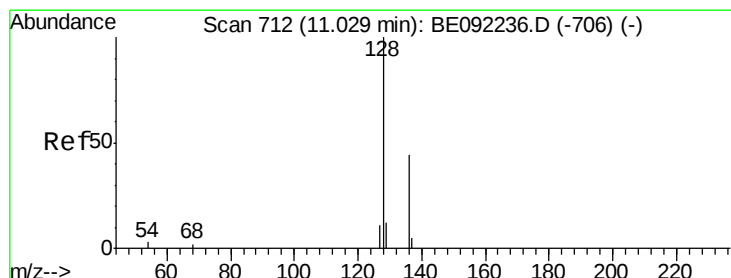


Abundance Ion 82.00 (81.70 to 82.70): BE092258.D (-620) (-)

Ion 128.00 (127.70 to 128.70): BE092258.D (-620) (-)

Ion 54.00 (53.70 to 54.70): BE092258.D (-620) (-)

Time-->



#9

Naphthalene

Concen: 1.29 ng

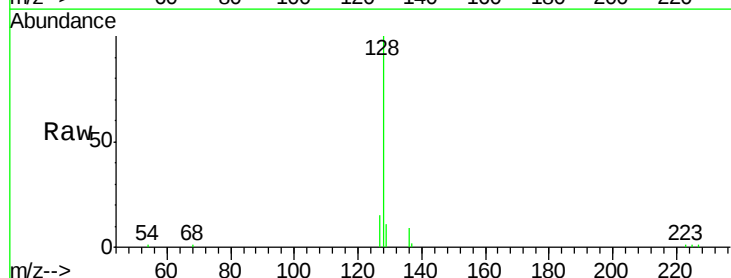
RT: 11.01 min Scan# 711

Delta R.T. -0.02 min

Lab File: BE092258.D

Acq: 10 Aug 2016 17:10

Tgt Ion:	128	Resp:	17300
Ion Ratio	Lower	Upper	
128	100		
129	10.6	11.5	17.3#
127	14.6	11.0	16.6

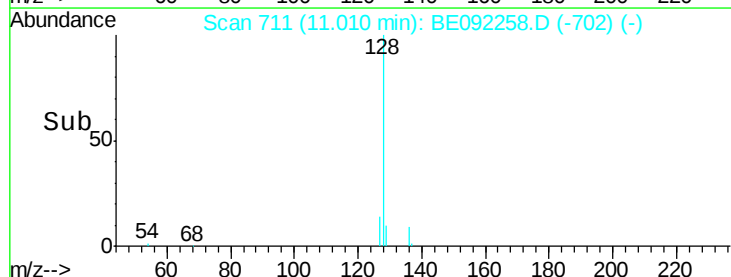


Abundance Ion 128.00 (127.70 to 128.70): BE092236.D (-706) (-)

Ion 129.00 (128.70 to 129.70): BE092236.D (-706) (-)

Ion 127.00 (126.70 to 127.70): BE092236.D (-706) (-)

Time-->

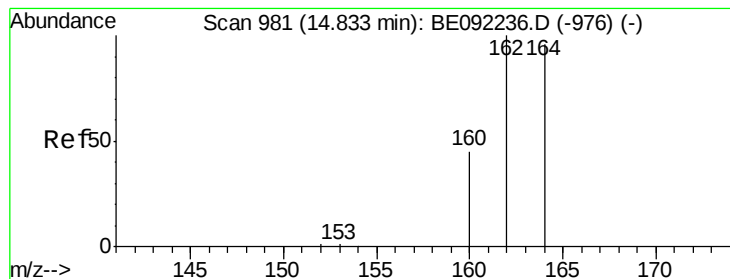


Abundance Ion 128.00 (127.70 to 128.70): BE092258.D (-702) (-)

Ion 129.00 (128.70 to 129.70): BE092258.D (-702) (-)

Ion 127.00 (126.70 to 127.70): BE092258.D (-702) (-)

Time-->



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.83 min Scan# 981

Delta R.T. -0.00 min

Lab File: BE092258.D

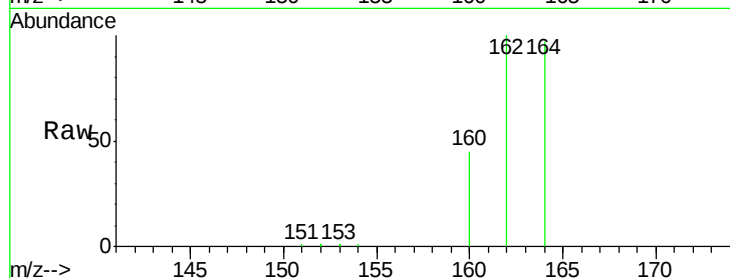
Acq: 10 Aug 2016 17:10

Instrument :

BNA_E

ClientSampled :

9550



Tgt Ion:164 Resp: 33556

Ion Ratio Lower Upper

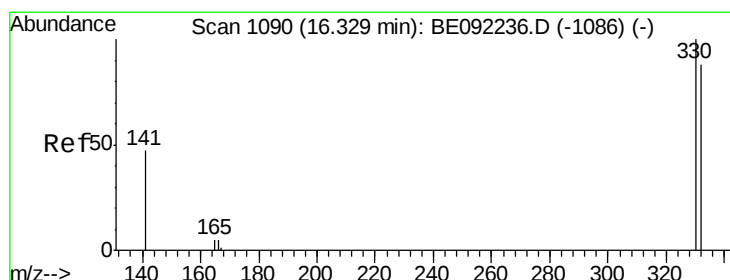
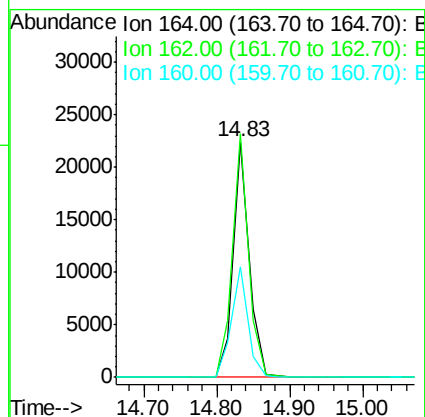
164 100

162 103.5 83.3 124.9

160 46.7 38.0 57.0

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#13

2,4,6-Tribromophenol

Concen: 4.75 ng

RT: 16.32 min Scan# 1089

Delta R.T. -0.01 min

Lab File: BE092258.D

Acq: 10 Aug 2016 17:10

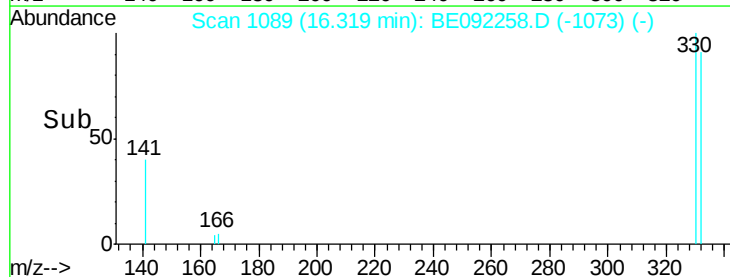
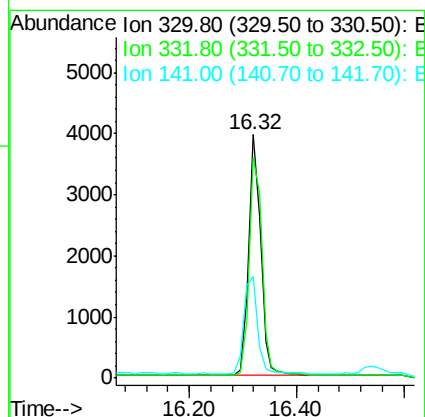
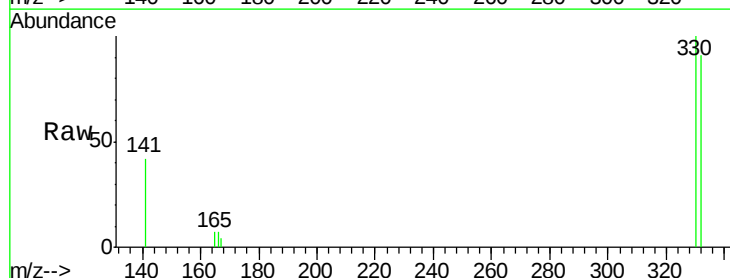
Tgt Ion:330 Resp: 6094

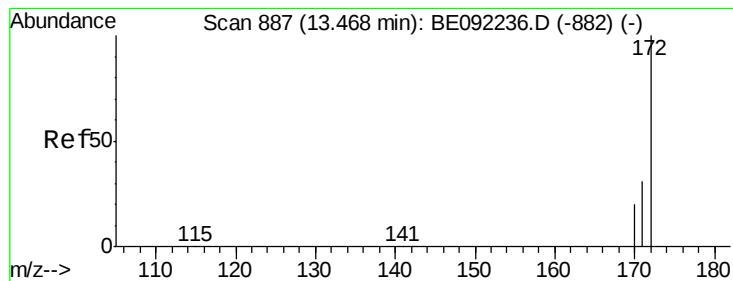
Ion Ratio Lower Upper

330 100

332 97.2 75.4 113.0

141 45.8 37.7 56.5





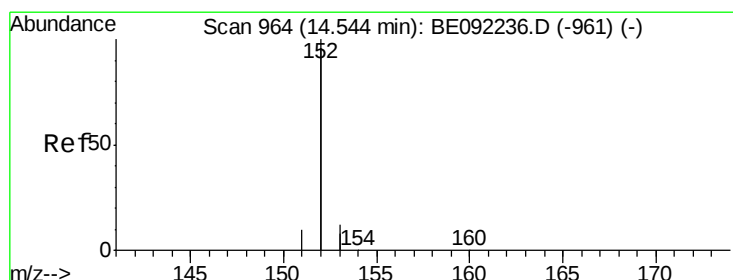
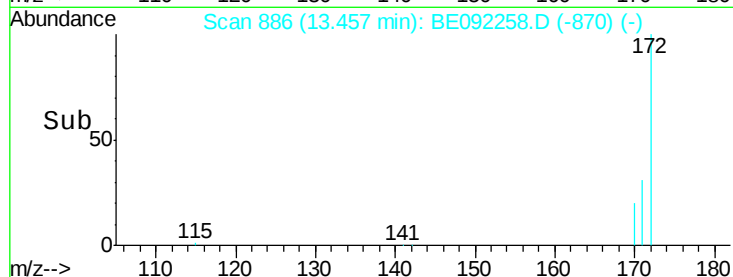
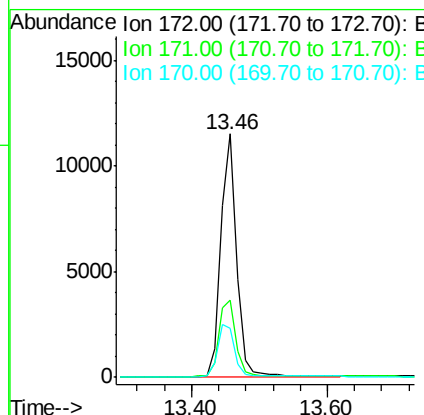
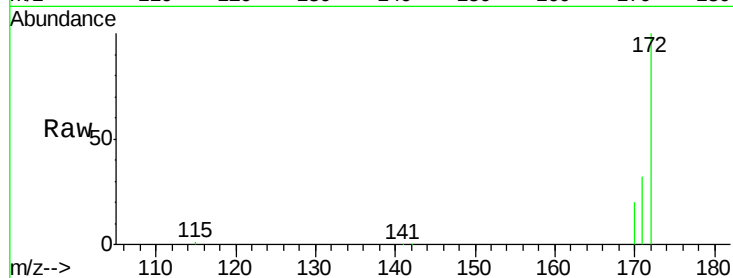
#14
2-Fluorobiphenyl
Concen: 1.81 ng
RT: 13.46 min Scan# 886
Delta R.T. -0.01 min
Lab File: BE092258.D
Acq: 10 Aug 2016 17:10

Instrument :
BNA_E
ClientSampleId :
9550

Tgt Ion	Ratio	Lower	Upper
172	100		
171	31.6	26.8	40.2
170	20.0	17.8	26.6

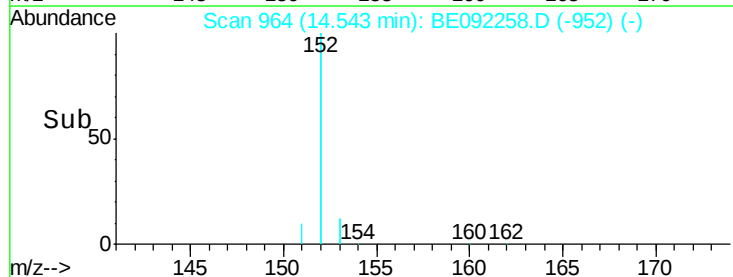
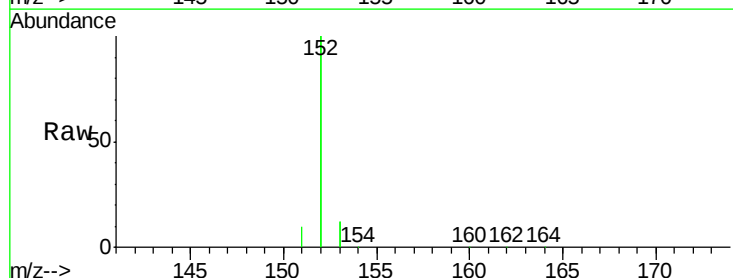
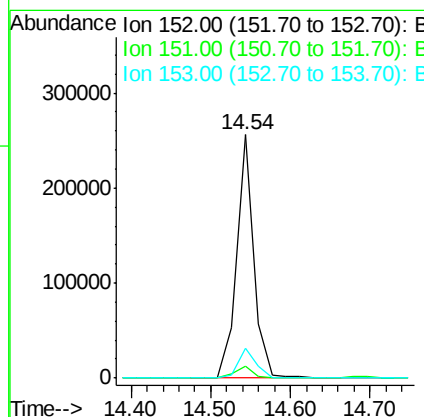
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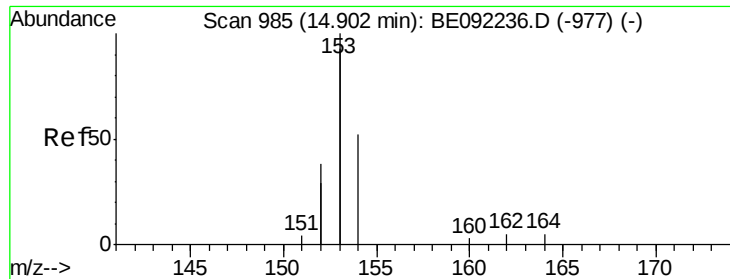
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#15
Acenaphthylene
Concen: 6.56 ng
RT: 14.54 min Scan# 964
Delta R.T. -0.00 min
Lab File: BE092258.D
Acq: 10 Aug 2016 17:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.0	3.8	5.8
153	13.0	10.2	15.2





#16

Acenaphthene

Concen: 4.45 ng

RT: 14.88 min Scan# 984

Delta R.T. -0.02 min

Lab File: BE092258.D

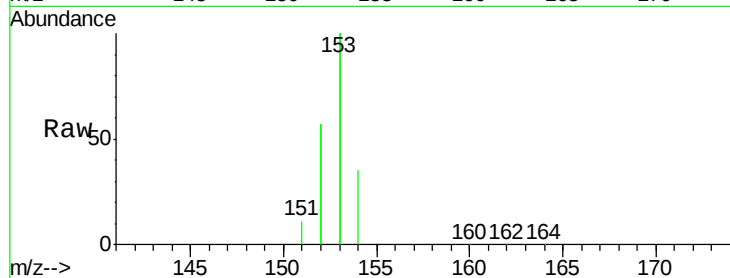
Acq: 10 Aug 2016 17:10

Instrument :

BNA_E

ClientSampleId :

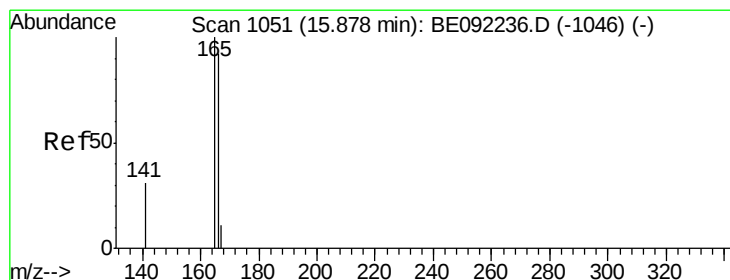
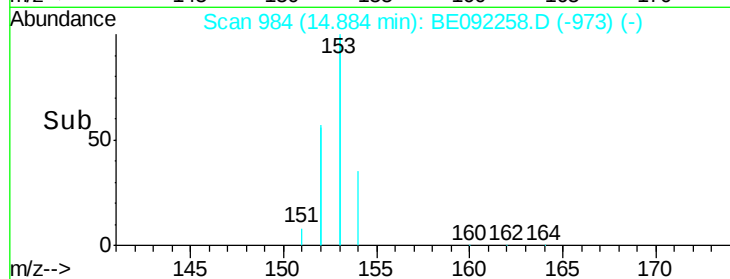
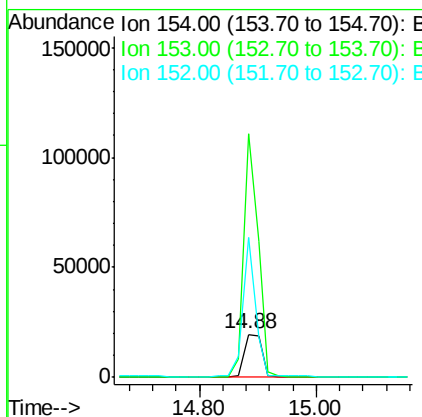
9550



Tgt Ion:	154	Resp:	41414
Ion Ratio	Lower	Upper	
154	100		
153	454.2	355.0	532.4
152	225.2	179.7	269.5

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#17

Fluorene

Concen: 2.55 ng

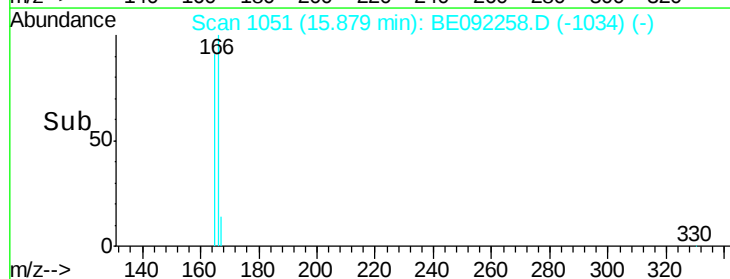
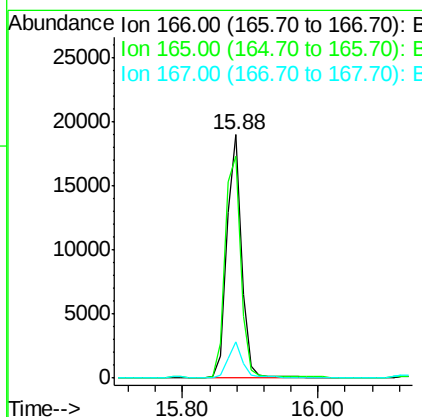
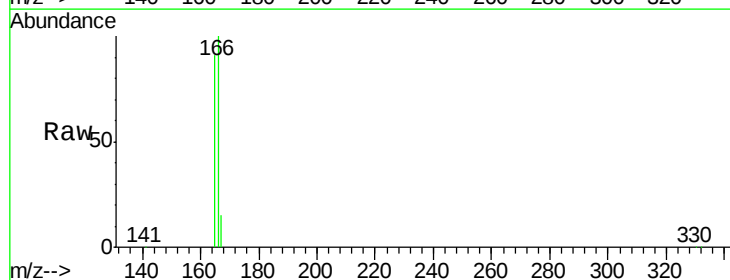
RT: 15.88 min Scan# 1051

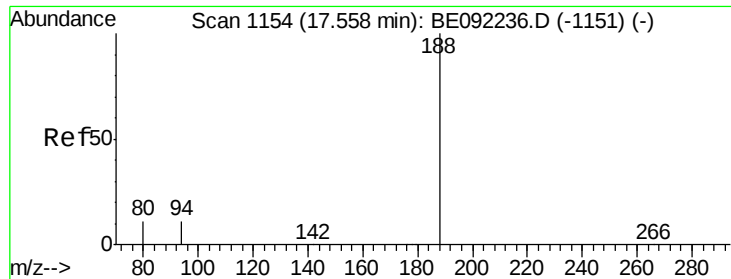
Delta R.T. 0.00 min

Lab File: BE092258.D

Acq: 10 Aug 2016 17:10

Tgt Ion:	166	Resp:	28690
Ion Ratio	Lower	Upper	
166	100		
165	99.3	80.1	120.1
167	14.2	10.6	16.0





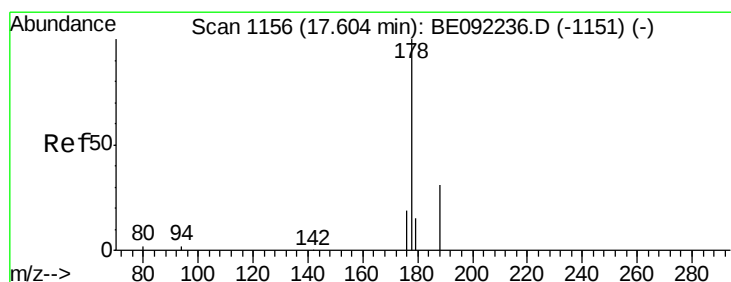
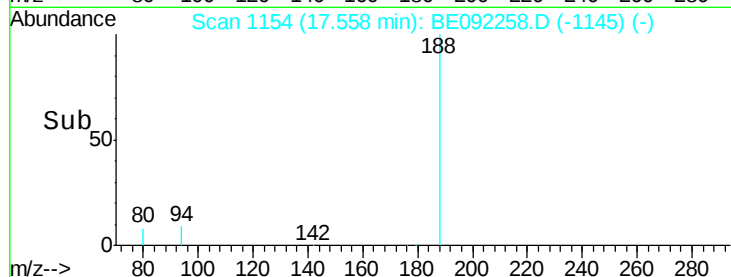
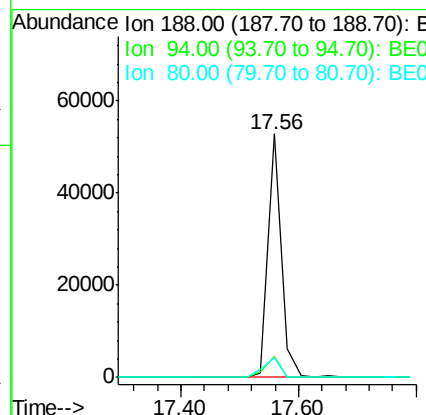
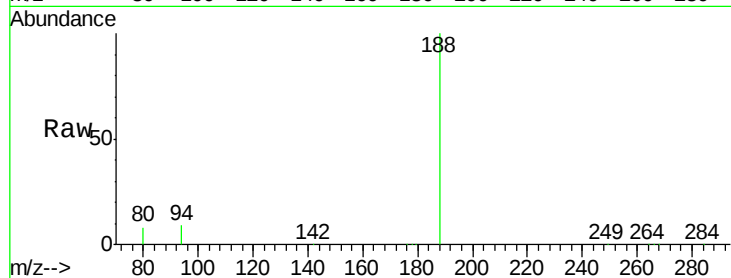
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE092258.D
Acq: 10 Aug 2016 17:10

Instrument :
BNA_E
ClientSampleId :
9550

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.8	9.2	13.8#
80	8.0	9.1	13.7#

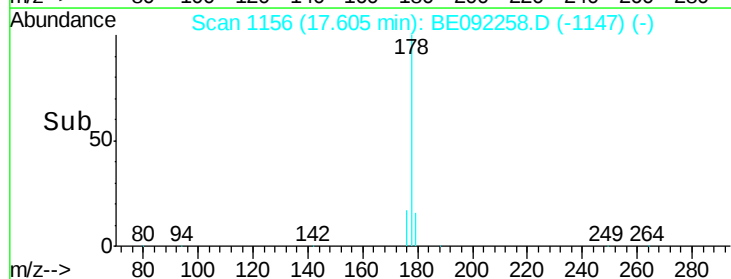
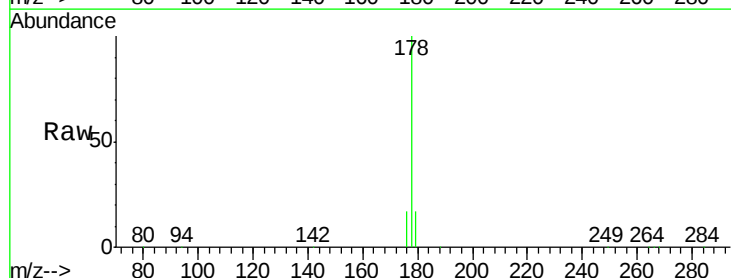
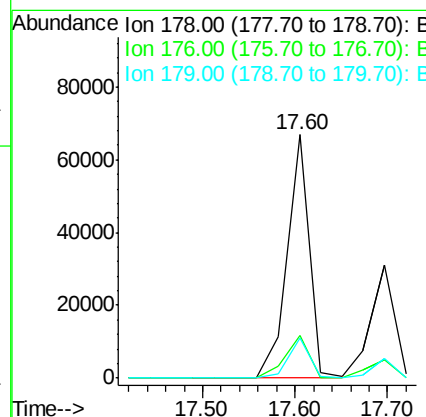
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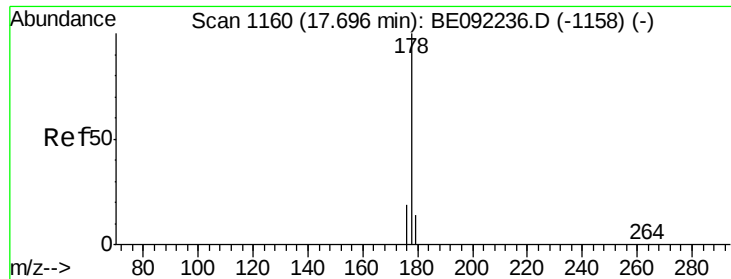
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#21
Phenanthrene
Concen: 5.11 ng
RT: 17.60 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BE092258.D
Acq: 10 Aug 2016 17:10

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.0	15.1	22.7
179	15.9	12.9	19.3





#22

Anthracene

Concen: 2.80 ng

RT: 17.70 min Scan# 1160

Delta R.T. 0.00 min

Lab File: BE092258.D

Acq: 10 Aug 2016 17:10

Instrument :

BNA_E

ClientSampled :

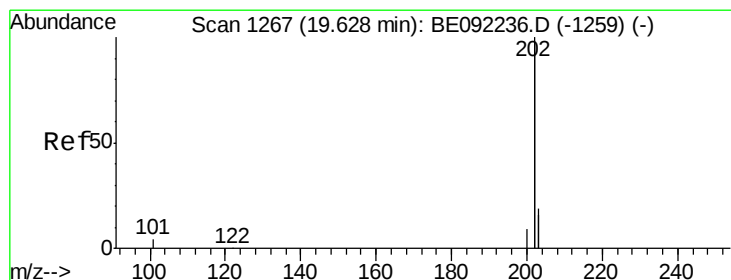
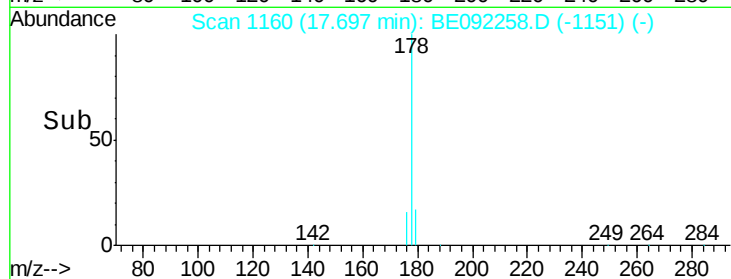
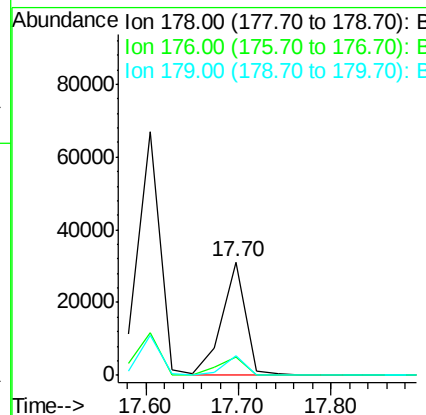
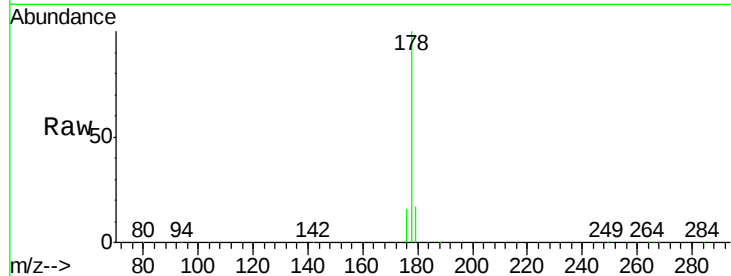
9550

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Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	16.1	12.0	18.0



#23

Fluoranthene

Concen: 6.93 ng

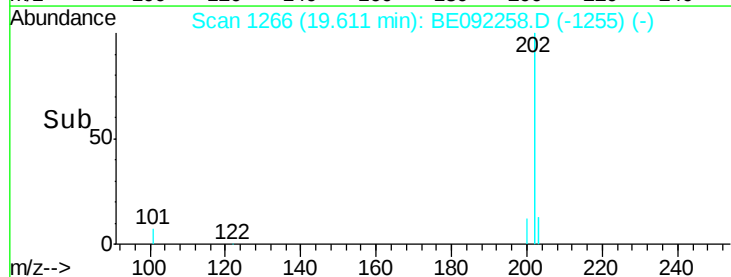
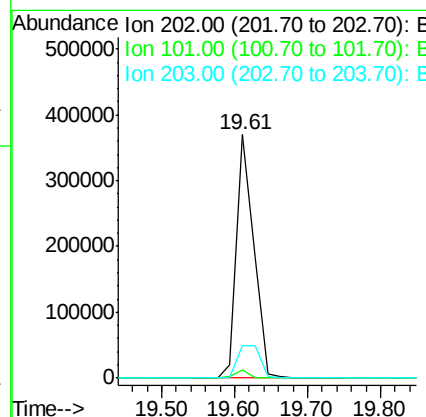
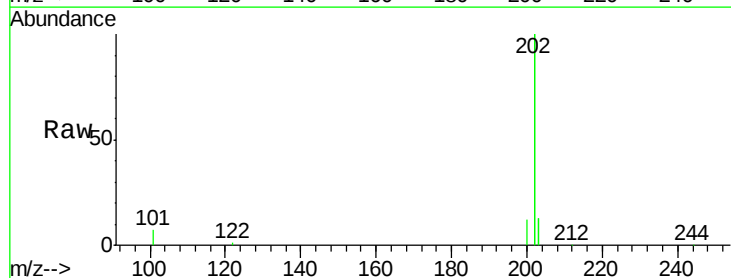
RT: 19.61 min Scan# 1266

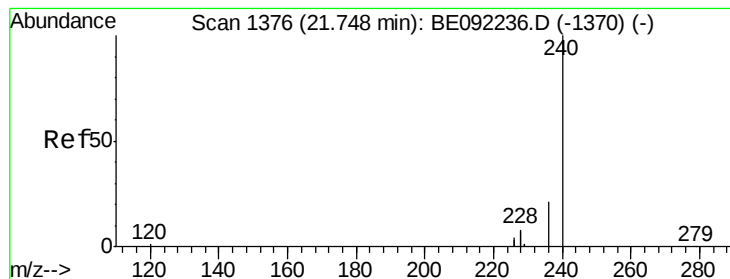
Delta R.T. -0.02 min

Lab File: BE092258.D

Acq: 10 Aug 2016 17:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	2.9	2.2	3.4
203	17.7	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: BE092258.D

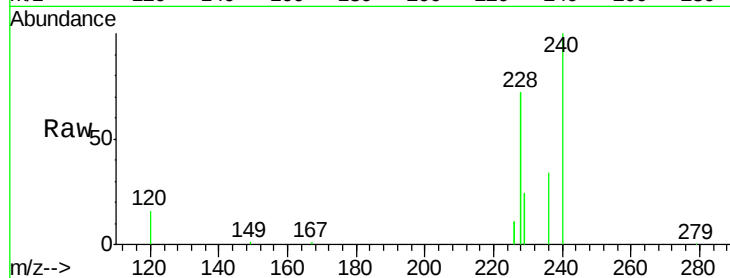
Acq: 10 Aug 2016 17:10

Instrument :

BNA_E

ClientSampleId :

9550



Tgt Ion:240 Resp: 77524

Ion Ratio Lower Upper

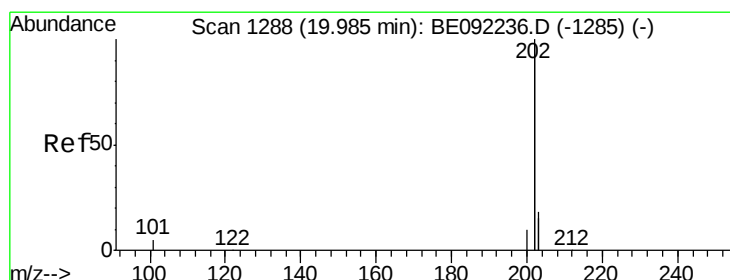
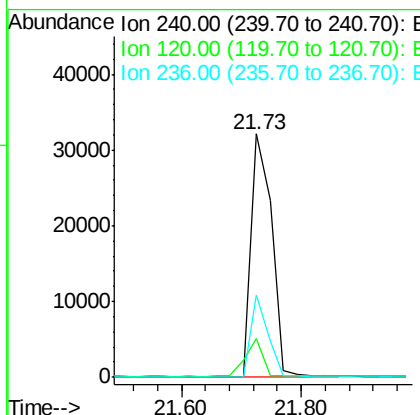
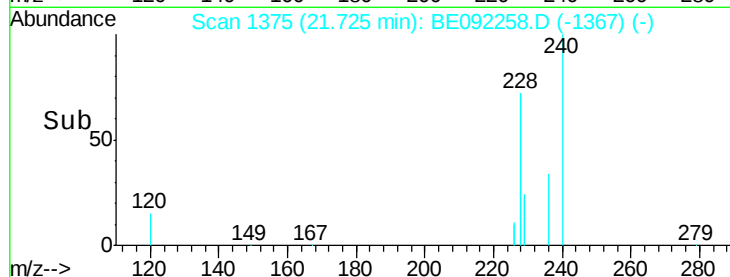
240 100

120 15.8 1.2 1.8#

236 34.0 17.1 25.7#

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#25

Pyrene

Concen: 4.21 ng

RT: 19.99 min Scan# 1288

Delta R.T. 0.00 min

Lab File: BE092258.D

Acq: 10 Aug 2016 17:10

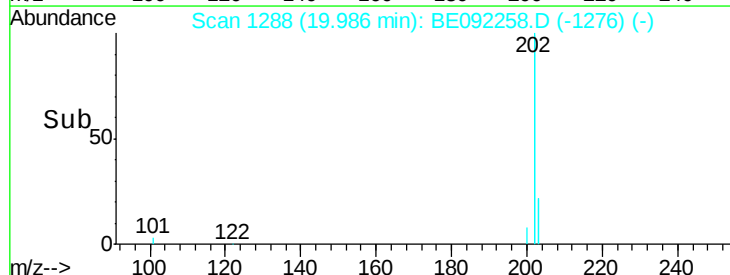
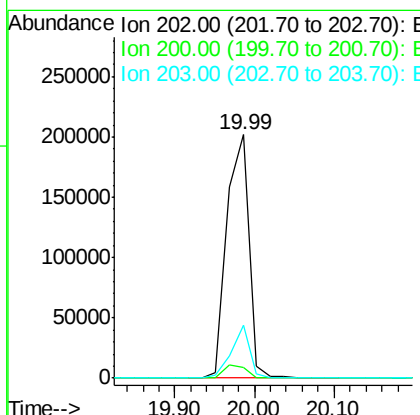
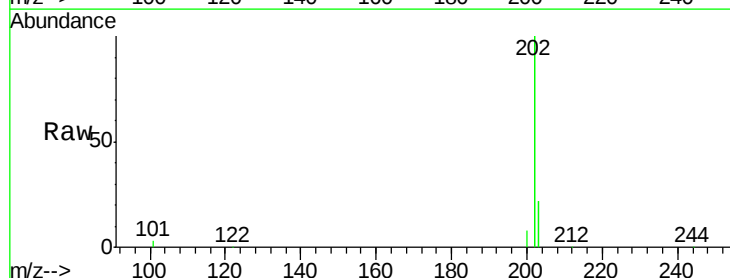
Tgt Ion:202 Resp: 385787

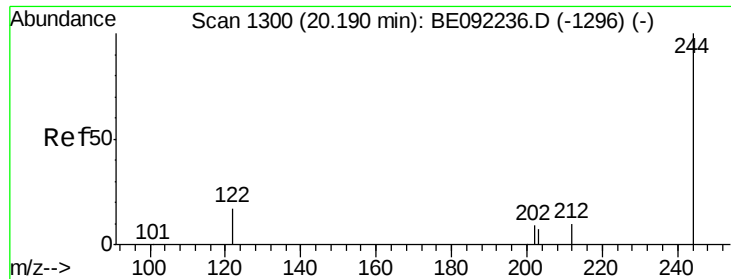
Ion Ratio Lower Upper

202 100

200 5.4 4.2 6.4

203 17.8 14.0 21.0





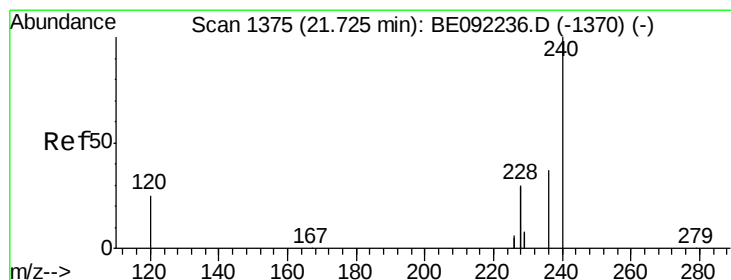
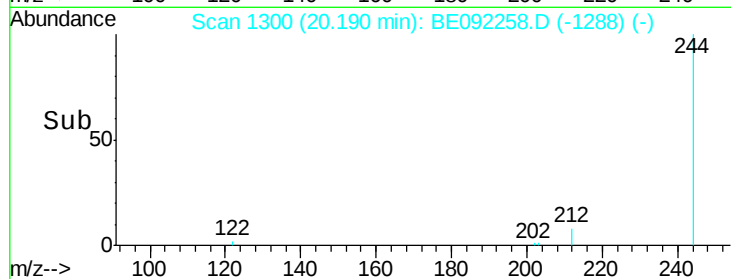
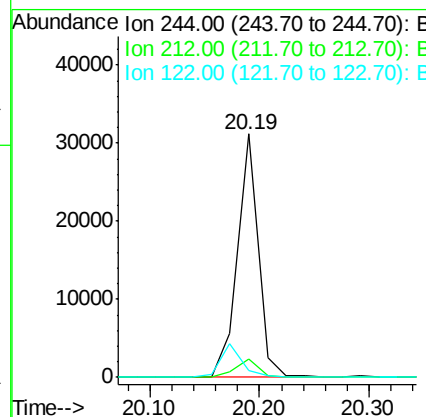
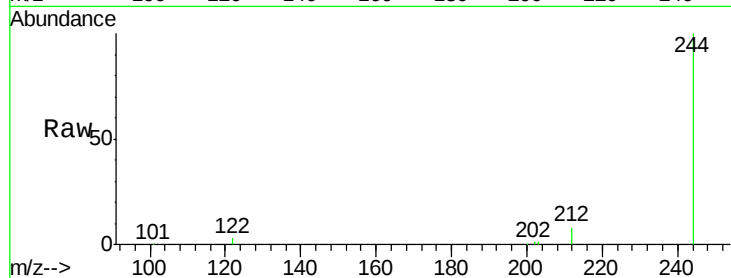
#26
 Terphenyl-d14
 Concen: 3.09 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: BE092258.D
 Acq: 10 Aug 2016 17:10

Instrument :
 BNA_E
 ClientSampleId :
 9550

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	10.2	15.2#
122	3.0	15.9	23.9#

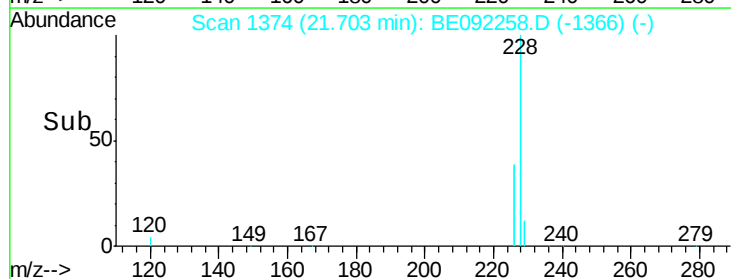
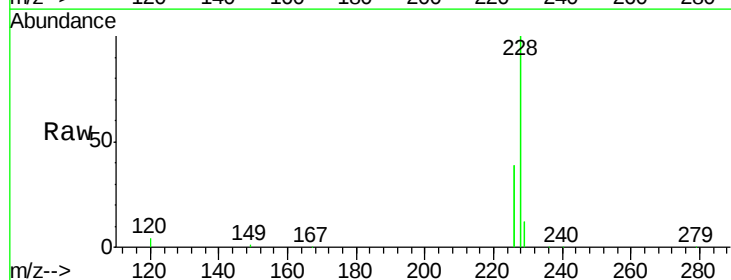
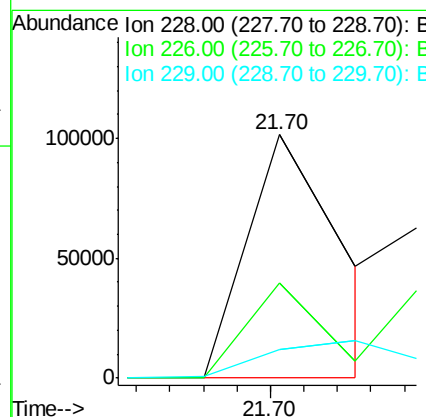
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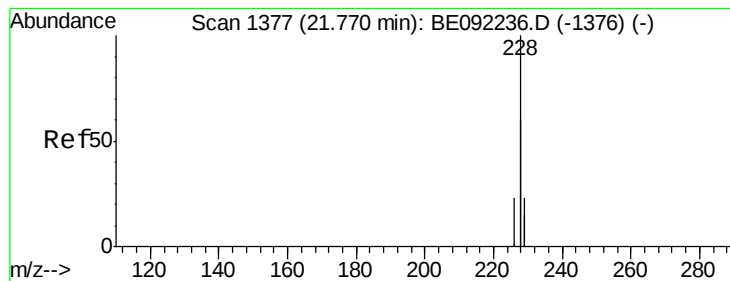
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#27
 Benzo(a)anthracene
 Concen: 2.16 ng m
 RT: 21.70 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: BE092258.D
 Acq: 10 Aug 2016 17:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.0	15.9	23.9#
229	11.9	22.4	33.6#





#28

Chrysene

Concen: 6.51 ng m

RT: 21.77 min Scan# 1377

Delta R.T. 0.00 min

Lab File: BE092258.D

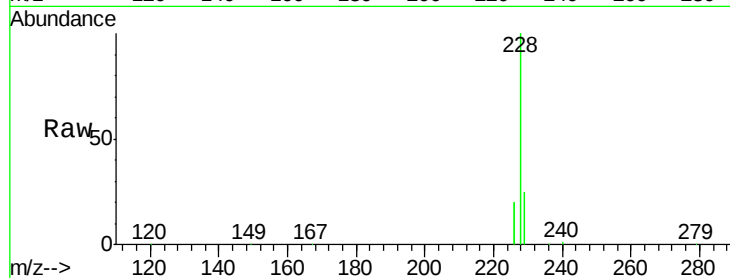
Acq: 10 Aug 2016 17:10

Instrument :

BNA_E

ClientSampleId :

9550



Tgt Ion: 228 Resp: 559775

Ion Ratio Lower Upper

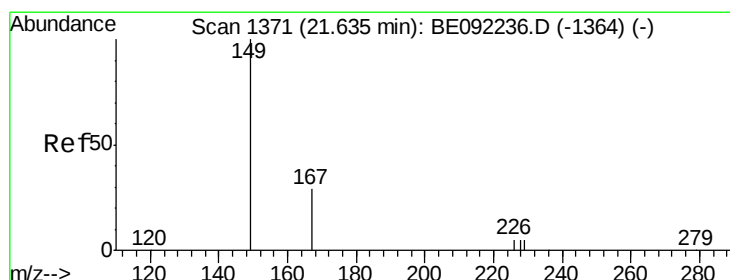
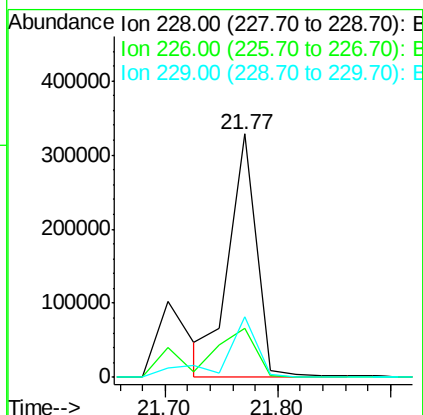
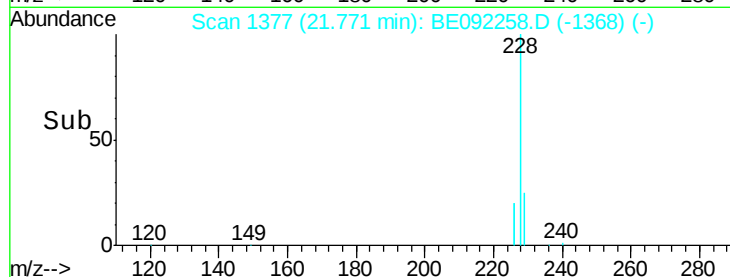
228 100

226 20.1 18.3 27.5

229 24.9 18.6 27.8

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#29

Bis(2-ethylhexyl)phthalate

Concen: 0.74 ng

RT: 21.63 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE092258.D

Acq: 10 Aug 2016 17:10

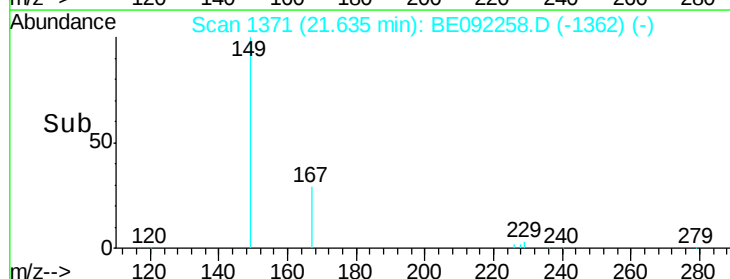
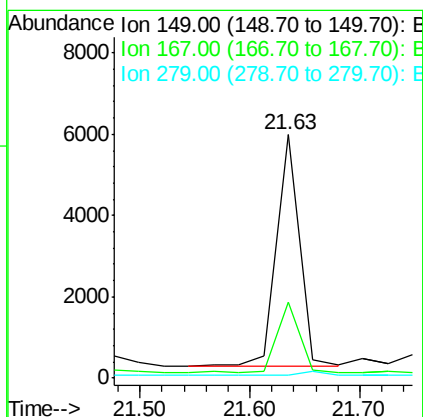
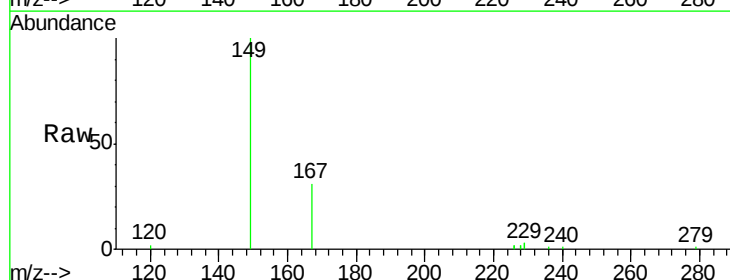
Tgt Ion: 149 Resp: 8271

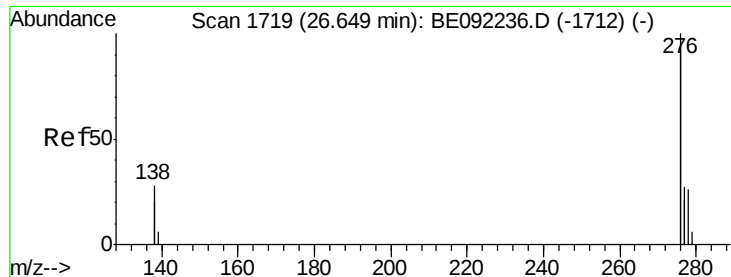
Ion Ratio Lower Upper

149 100

167 31.0 22.1 33.1

279 0.0 0.0 0.0





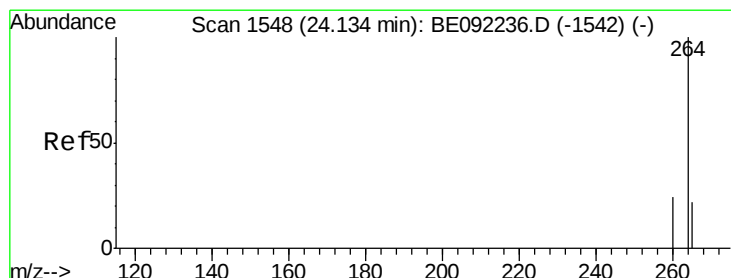
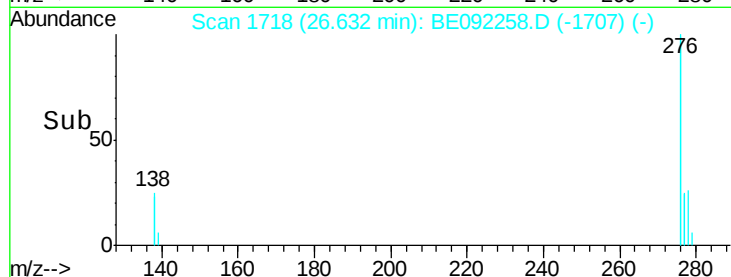
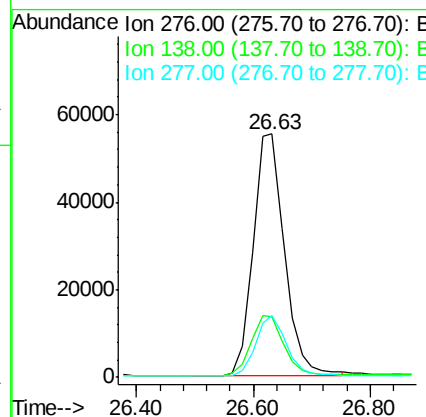
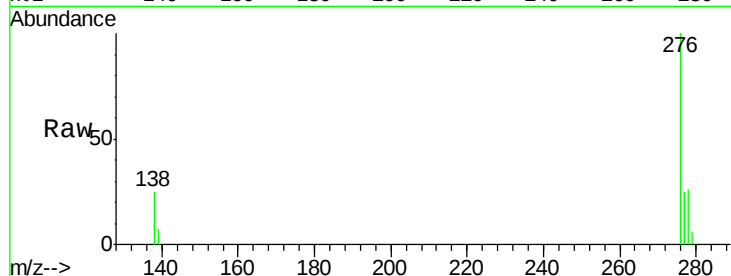
#30
 Indeno(1,2,3-cd)pyrene
 Concen: 2.25 ng
 RT: 26.63 min Scan# 1718
 Delta R.T. -0.02 min
 Lab File: BE092258.D
 Acq: 10 Aug 2016 17:10

Instrument :
 BNA_E
 ClientSampleId :
 9550

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	25.6	21.3	31.9
277	24.4	19.7	29.5

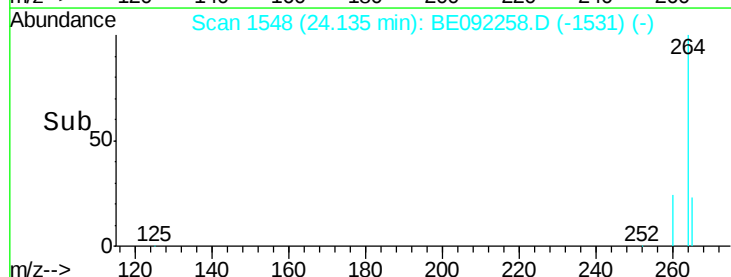
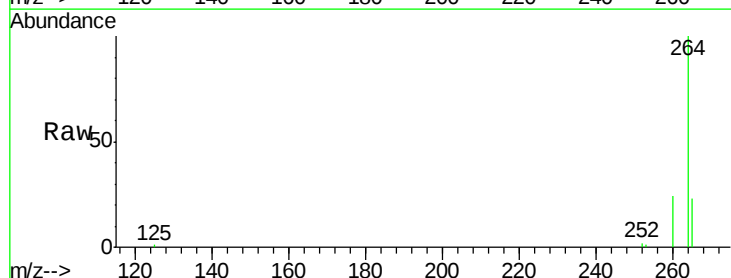
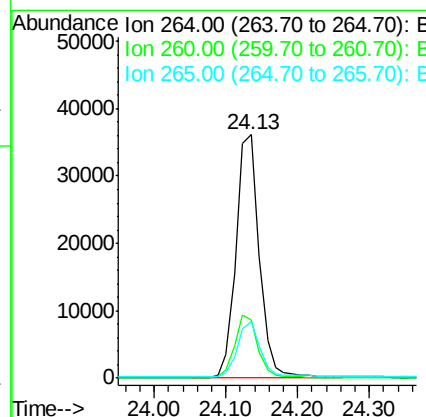
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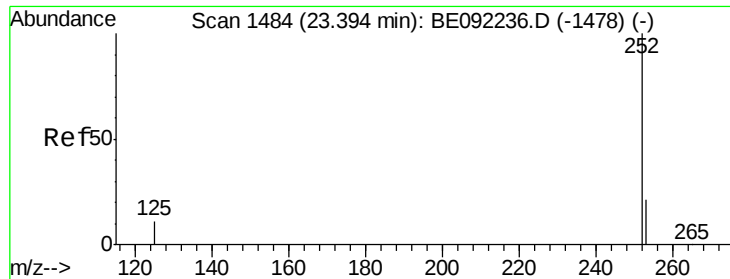
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#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.13 min Scan# 1548
 Delta R.T. 0.00 min
 Lab File: BE092258.D
 Acq: 10 Aug 2016 17:10

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.0	19.5	29.3
265	23.2	18.2	27.4





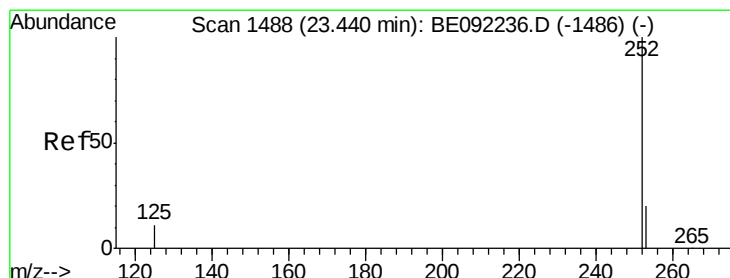
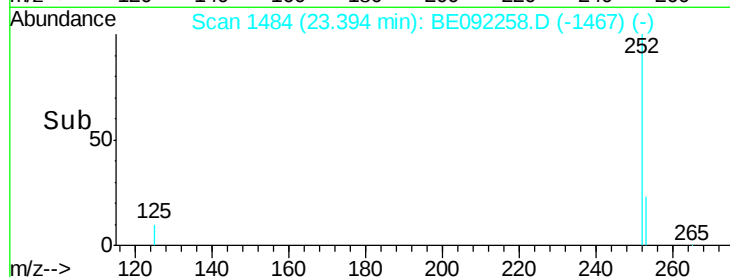
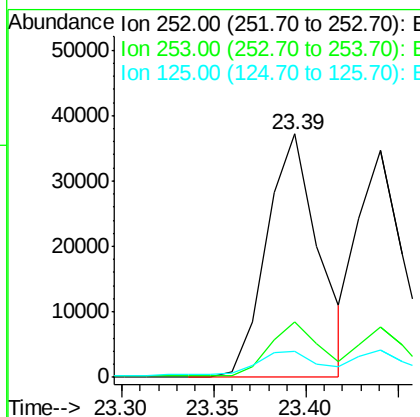
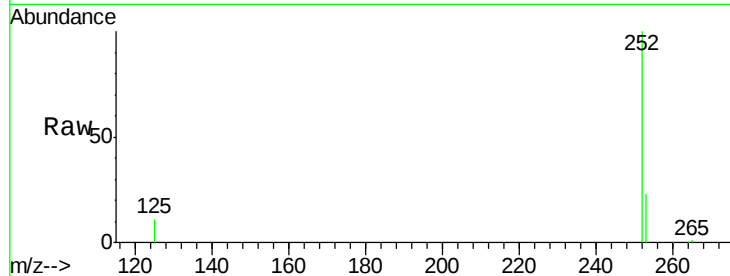
#32
Benzo(b)fluoranthene
Concen: 3.39 ng
RT: 23.39 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BE092258.D
Acq: 10 Aug 2016 17:10

Instrument :
BNA_E
ClientSampleId :
9550

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.0	28.4
125	10.9	10.3	15.5

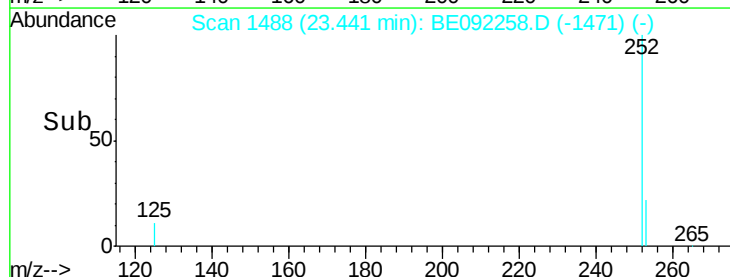
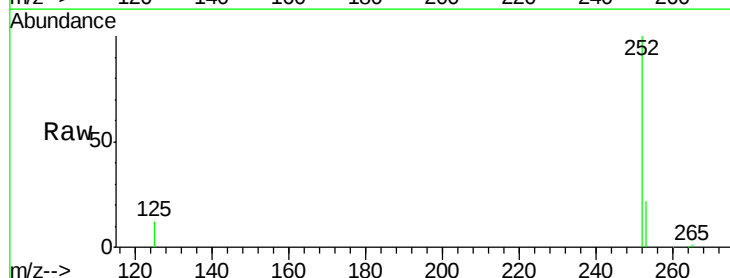
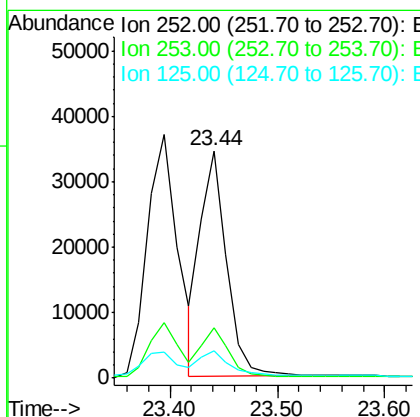
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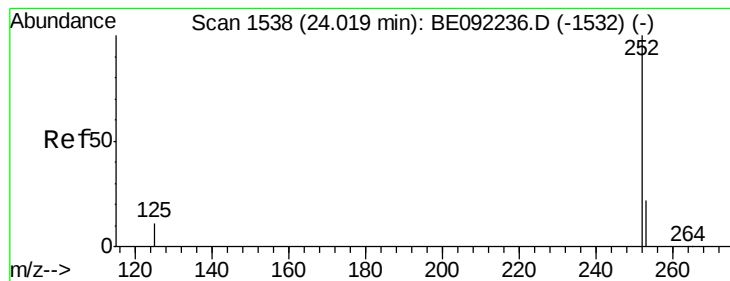
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#33
Benzo(k)fluoranthene
Concen: 2.73 ng
RT: 23.44 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE092258.D
Acq: 10 Aug 2016 17:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.0	28.6
125	12.0	10.6	15.8





#34

Benzo(a)pyrene

Concen: 4.53 ng

RT: 24.02 min Scan# 1538

Delta R.T. 0.00 min

Lab File: BE092258.D

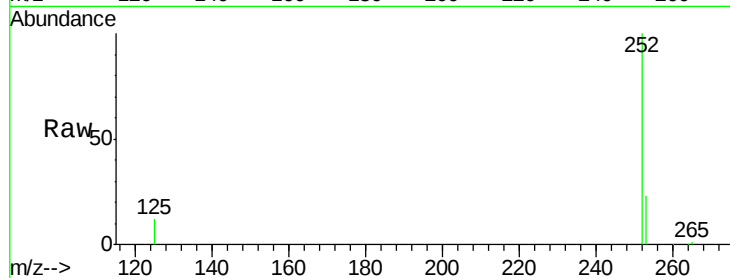
Acq: 10 Aug 2016 17:10

Instrument :

BNA_E

ClientSampleId :

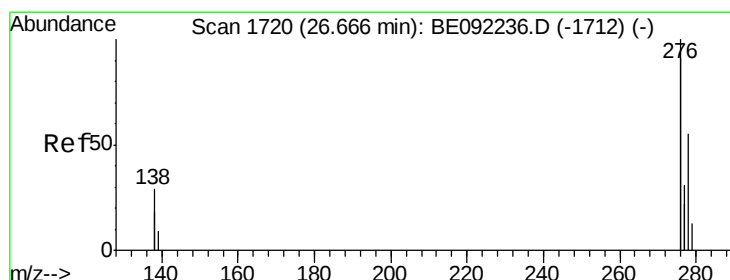
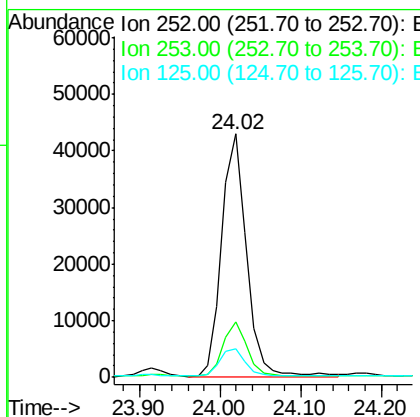
9550



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	20.3	30.5
125	11.7	11.8	17.6

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#35

Dibenzo(a,h)anthracene

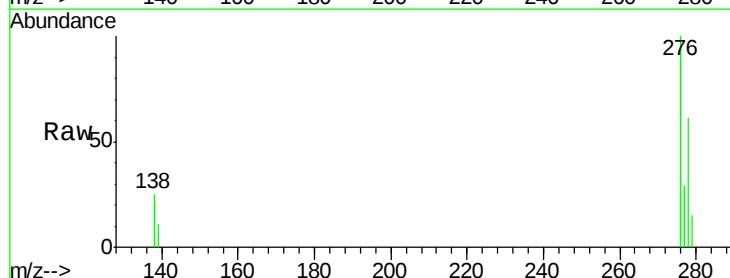
Concen: 1.86 ng

RT: 26.65 min Scan# 1719

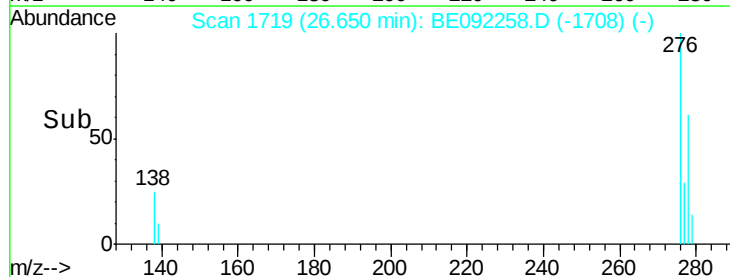
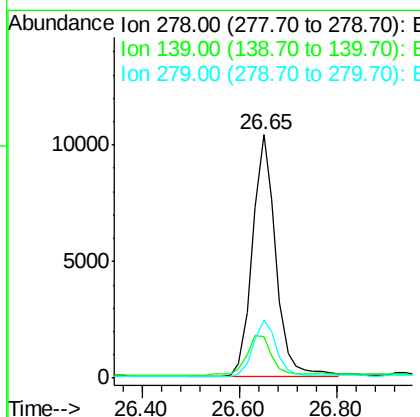
Delta R.T. -0.02 min

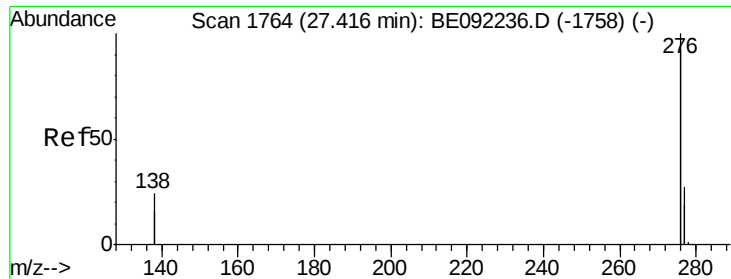
Lab File: BE092258.D

Acq: 10 Aug 2016 17:10



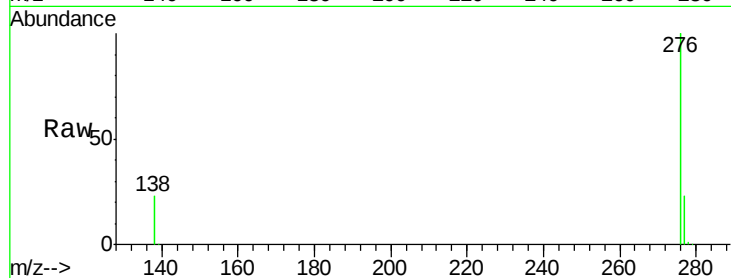
Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	16.2	24.2
279	24.1	21.4	32.2





#36
 Benzo(g,h,i)perylene
 Concen: 8.92 ng
 RT: 27.40 min Scan# 1763
 Delta R.T. -0.02 min
 Lab File: BE092258.D
 Acq: 10 Aug 2016 17:10

Instrument :
 BNA_E
 ClientSampleId :
 9550



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100				
277	23.1	21.4	32.2		
138	23.1	19.4	29.2		

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