

Data Path : Z:\HPCHEM1\BNA E\DATA\BE012417\
 Data File : BE092678.D
 Acq On : 24 Jan 2017 22:57
 Operator : UM/SJ
 Sample : I1378-08 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RVE-9

Manual Integrations
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Quant Time: Jan 25 13:40:03 2017
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE011617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 17 10:14:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	12417	5.00	ng	0.00
7) Naphthalene-d8	10.91	136	64336	5.00	ng	0.00
12) Acenaphthene-d10	14.78	164	41842	5.00	ng	0.00
18) Phenanthrene-d10	17.53	188	89614	5.00	ng	0.00
24) Chrysene-d12	21.72	240	80441	5.00	ng	0.00
31) Perylene-d12	24.06	264	87890	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.66	112	1815	0.65	ng	0.00
5) Phenol-d6	7.34	99	2417	0.71	ng	0.00
8) Nitrobenzene-d5	9.36	82	1088	0.26	ng	0.02
13) 2,4,6-Tribromophenol	16.28	330	626	0.63	ng	-0.01
14) 2-Fluorobiphenyl	13.41	172	3443	0.33	ng	-0.01
26) Terphenyl-d14	20.14	244	4743	0.42	ng	-0.02
Target Compounds						Qvalue
9) Naphthalene	10.97	128	9506	0.71	ng	97
11) 2-Methylnaphthalene	12.60	142	3778	0.45	ng	99
15) Acenaphthylene	14.49	152	67223	1.17	ng	99
16) Acenaphthene	14.85	154	23574	2.55	ng	92
17) Fluorene	15.83	166	43773	3.77	ng	99
21) Phenanthrene	17.58	178	571997	28.92	ng	# 95
22) Anthracene	17.67	178	217934	11.94	ng	98
23) Fluoranthene	19.58	202	4534334	51.69	ng	# 99
25) Pyrene	19.93	202	4045847	51.03	ng	# 87
27) Benzo(a)anthracene	21.70	228	2410604m	30.42	ng	
28) Chrysene	21.75	228	1896426m	21.27	ng	
29) Bis(2-ethylhexyl)phthalate	21.61	149	4738	0.50	ng	# 69
30) Indeno(1,2,3-cd)pyrene	26.53	276	1413405	14.67	ng	97
32) Benzo(b)fluoranthene	23.35	252	675934m	31.79	ng	
33) Benzo(k)fluoranthene	23.38	252	230159m	10.78	ng	
34) Benzo(a)pyrene	23.96	252	538463m	26.98	ng	
35) Dibenzo(a,h)anthracene	26.55	278	81758	4.18	ng	99
36) Benzo(g,h,i)perylene	27.31	276	1532663	18.56	ng	96

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

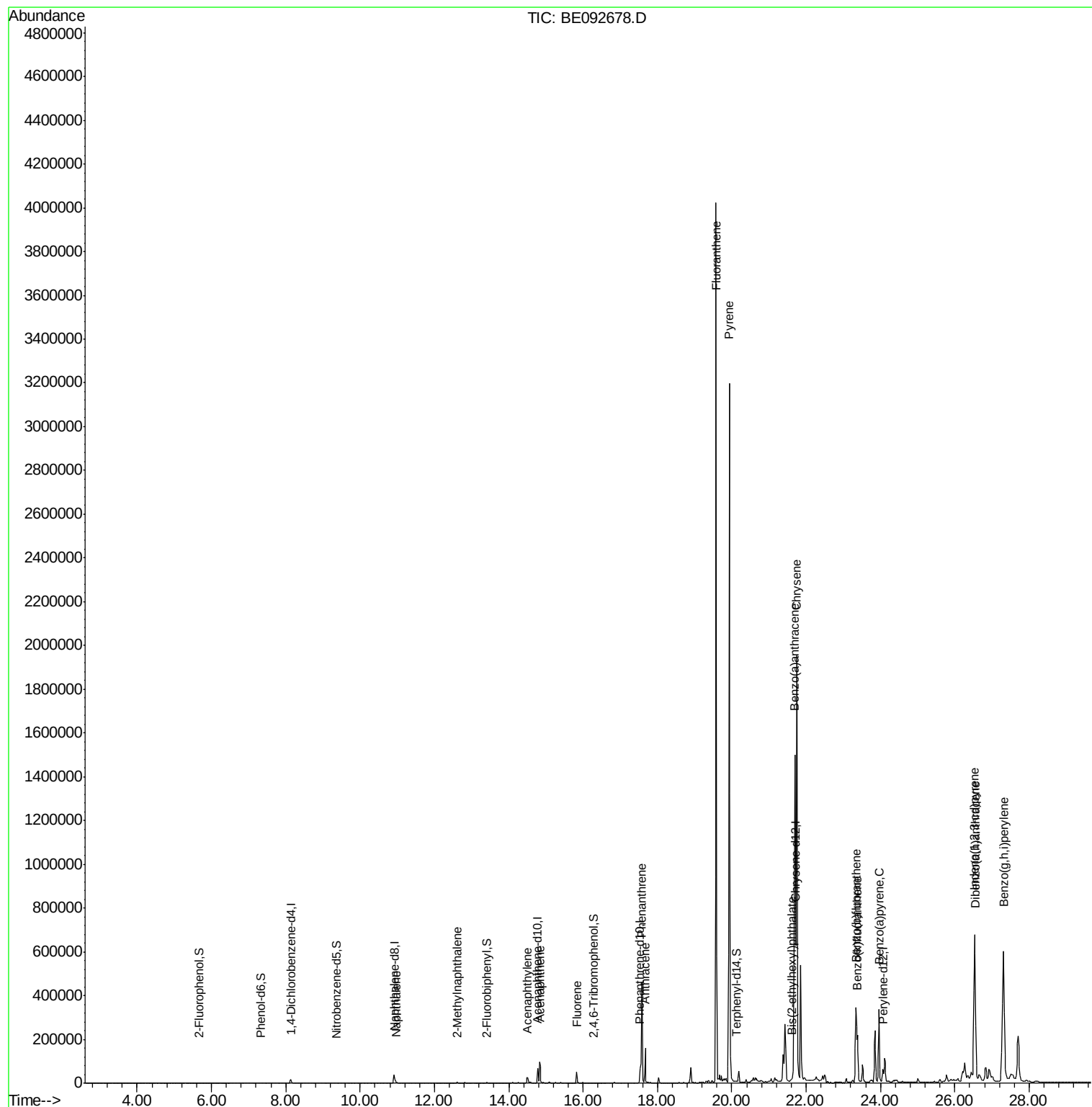
Data Path : Z:\HPCHEM1\BNA E\DATA\BE012417\
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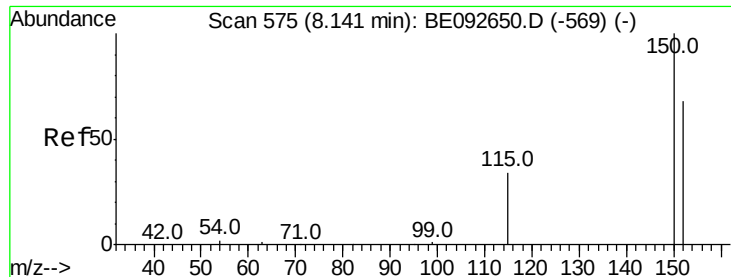
Instrument :
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QLast Update : Tue Jan 17 10:14:01 2017
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.14 min Scan# 575

Delta R.T. 0.00 min

Lab File: BE092678.D

Acq: 24 Jan 2017 22:57

Instrument :

BNA_E

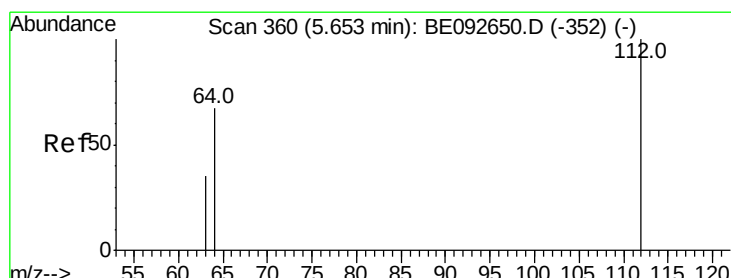
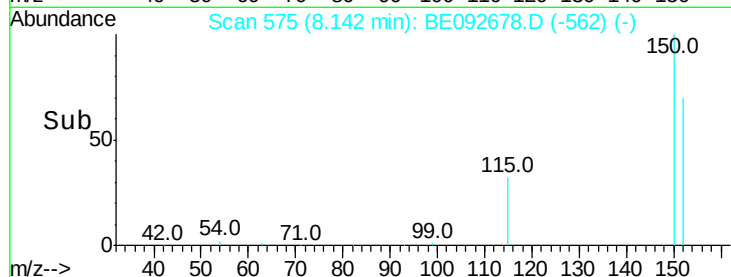
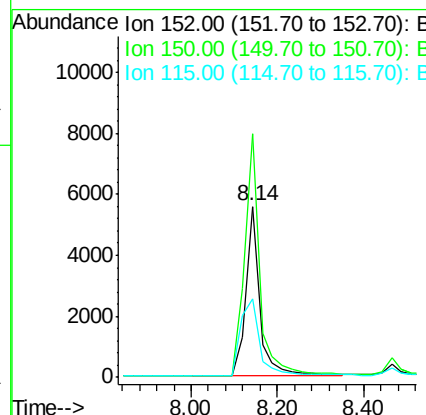
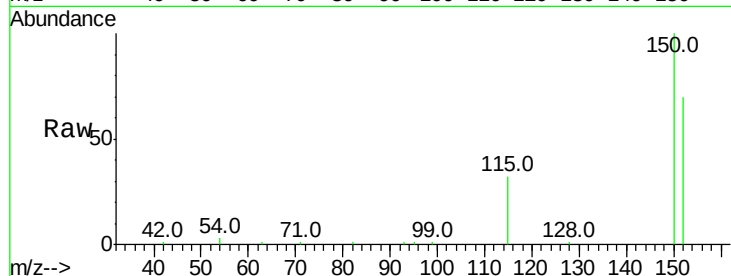
ClientSampled :

RVE-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.6	106.0	159.0
115	45.9	31.2	46.8

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#4

2-Fluorophenol

Concen: 0.65 ng

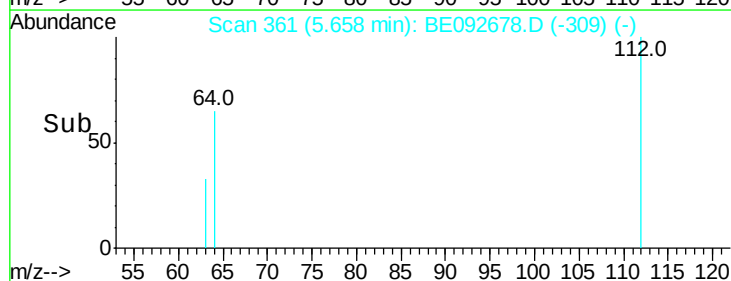
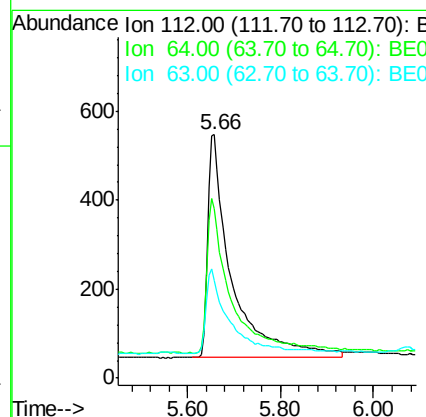
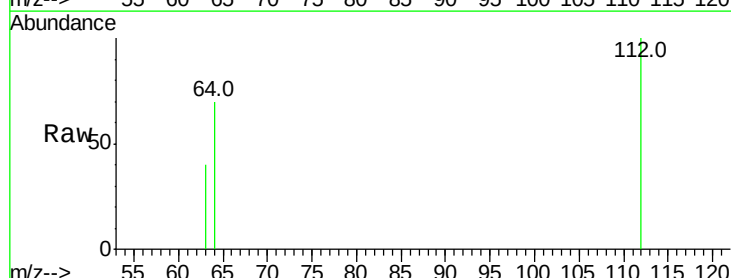
RT: 5.66 min Scan# 361

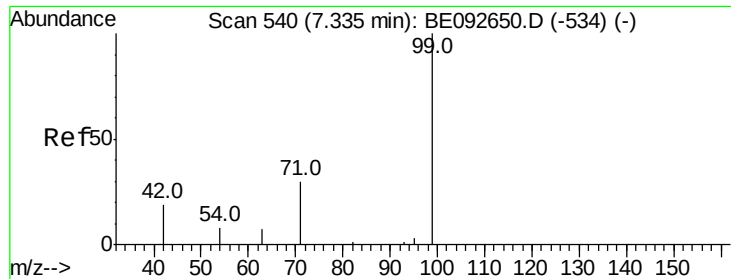
Delta R.T. 0.00 min

Lab File: BE092678.D

Acq: 24 Jan 2017 22:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	53.5	80.3
63	35.8	27.9	41.9





#5

Phenol-d6

Concen: 0.71 ng

RT: 7.34 min Scan# 540

Delta R.T. 0.00 min

Lab File: BE092678.D

Acq: 24 Jan 2017 22:57

Instrument :

BNA_E

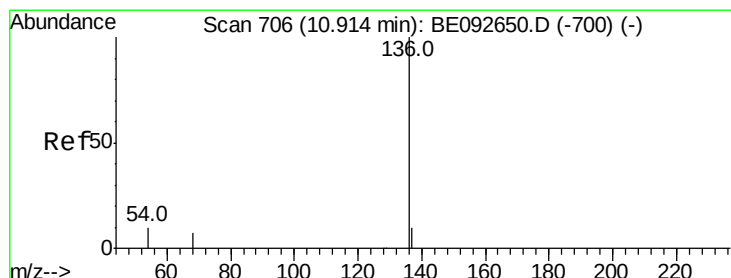
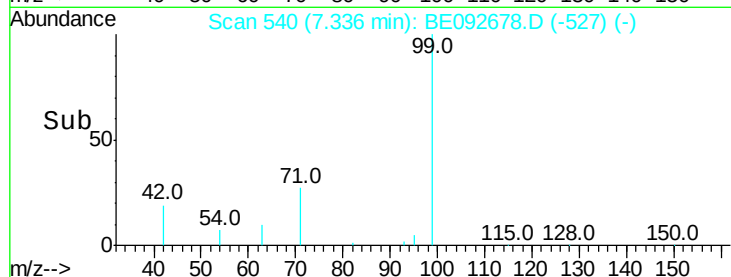
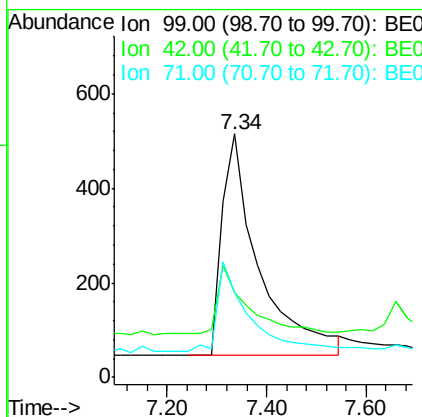
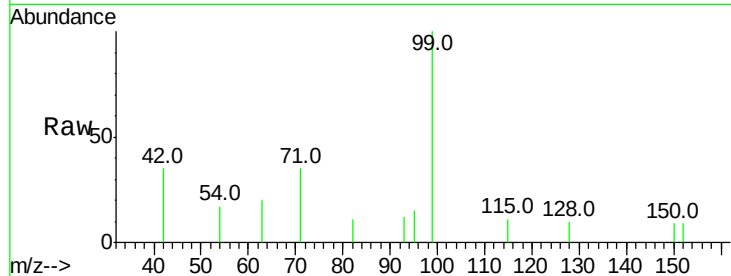
ClientSampleId :

RVE-9

Tot Ion:	99	Resp:	2417
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

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#7

Naphthalene-d8

Concen: 5.00 ng

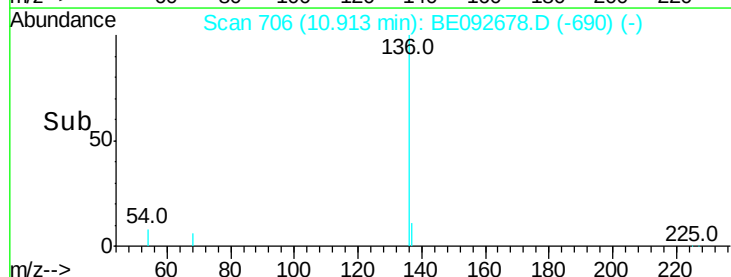
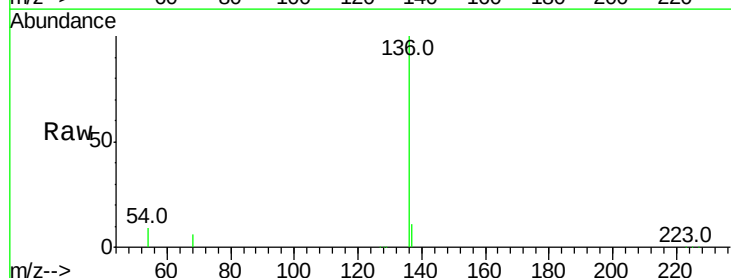
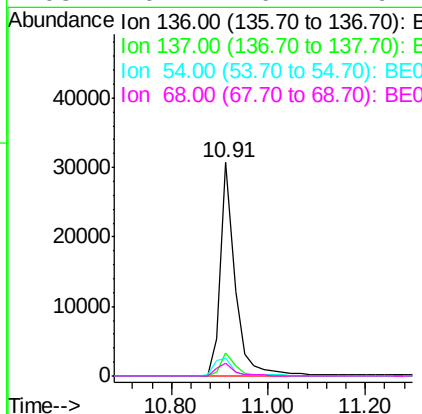
RT: 10.91 min Scan# 706

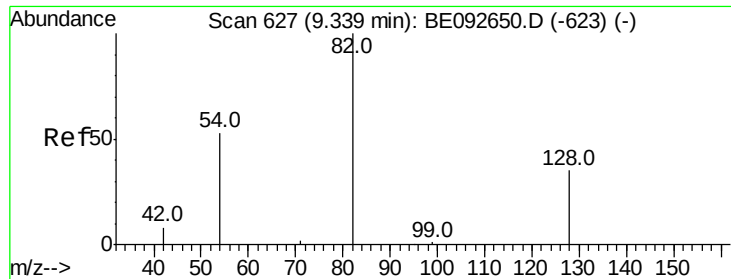
Delta R.T. -0.00 min

Lab File: BE092678.D

Acq: 24 Jan 2017 22:57

Tgt Ion:	136	Resp:	64336
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.2	12.4
54	8.7	9.6	14.4#
68	6.2	6.7	10.1#





#8

Nitrobenzene-d5

Concen: 0.26 ng

RT: 9.36 min Scan# 628

Delta R.T. 0.02 min

Lab File: BE092678.D

Acq: 24 Jan 2017 22:57

Instrument :

BNA_E

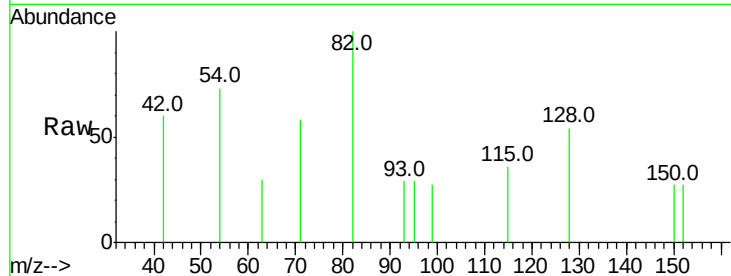
ClientSampled :

RVE-9

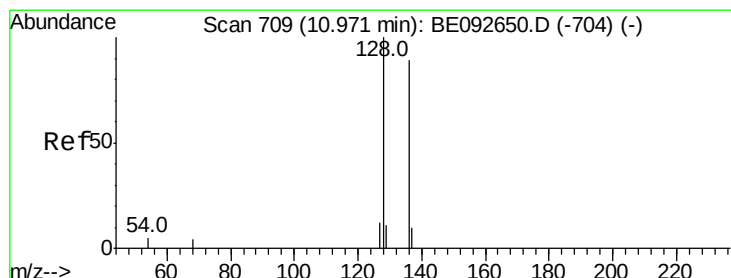
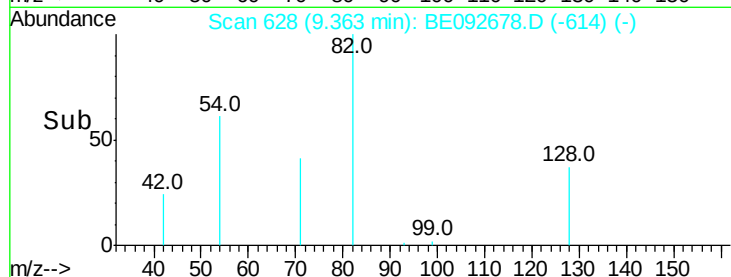
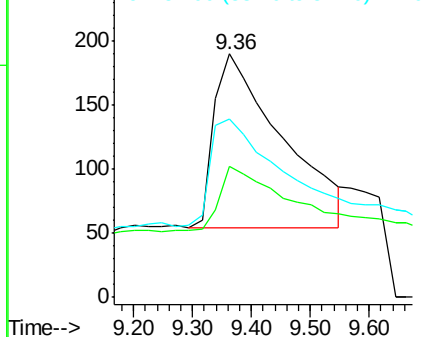
Tot Ion:	82	Resp:	1088
Ion Ratio	Lower	Upper	
82	100		
128	53.7	39.0	58.4
54	73.2	44.8	67.2#

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Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0



#9

Naphthalene

Concen: 0.71 ng

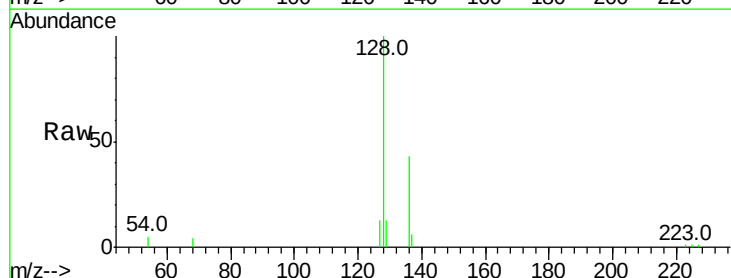
RT: 10.97 min Scan# 709

Delta R.T. -0.00 min

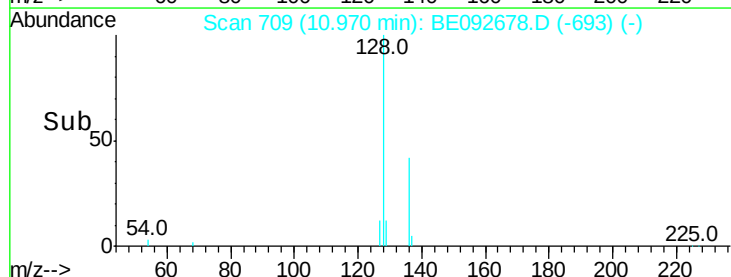
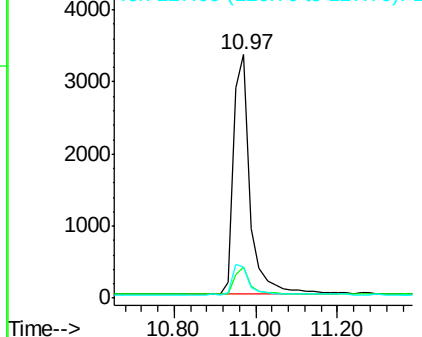
Lab File: BE092678.D

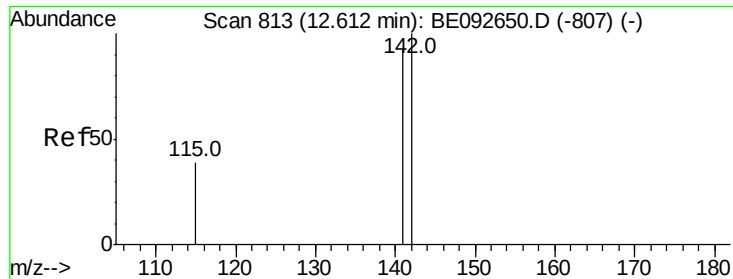
Acq: 24 Jan 2017 22:57

Tgt Ion:	128	Resp:	9506
Ion Ratio	Lower	Upper	
128	100		
129	13.0	11.2	16.8
127	13.0	11.6	17.4



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





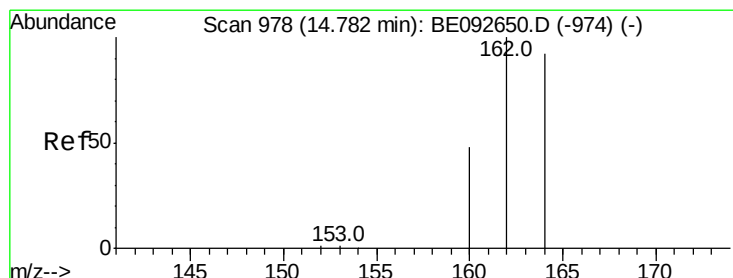
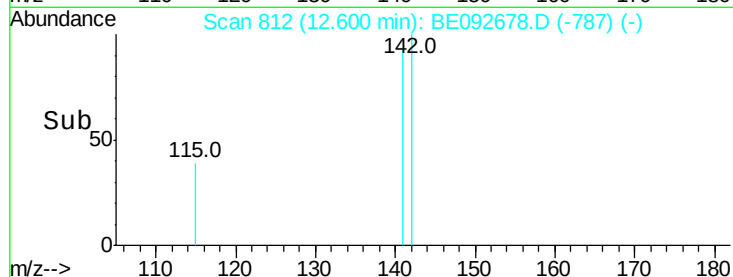
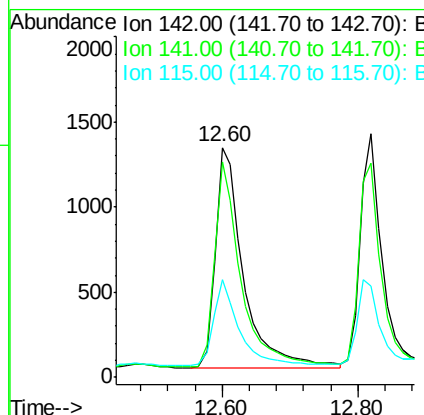
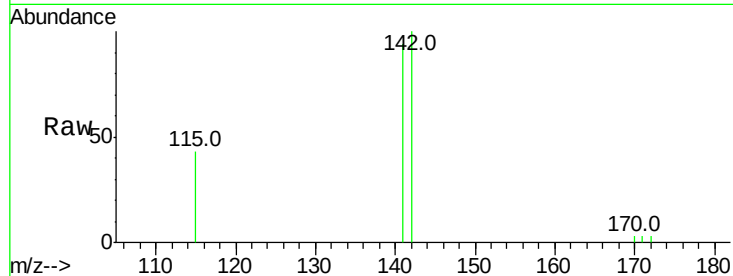
#11
2-Methylnaphthalene
Concen: 0.45 ng
RT: 12.60 min Scan# 812
Delta R.T. -0.01 min
Lab File: BE092678.D
Acq: 24 Jan 2017 22:57

Instrument :
BNA_E
ClientSampleId :
RVE-9

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.7	73.7	110.5
115	42.7	34.0	51.0

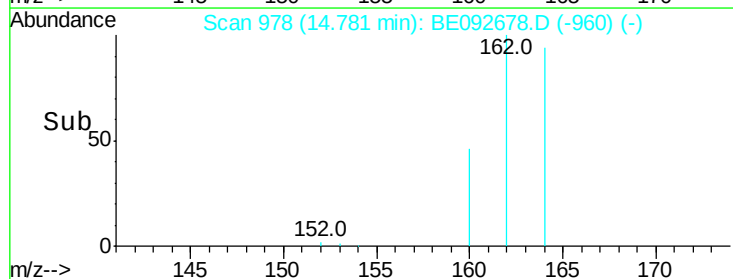
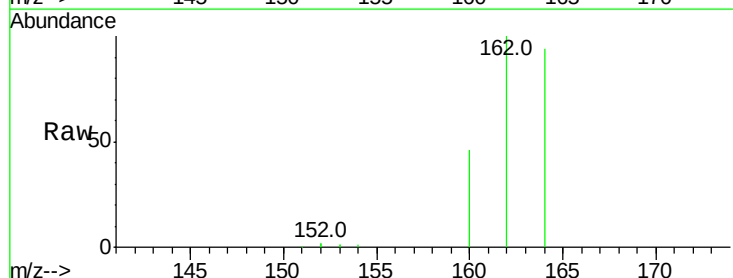
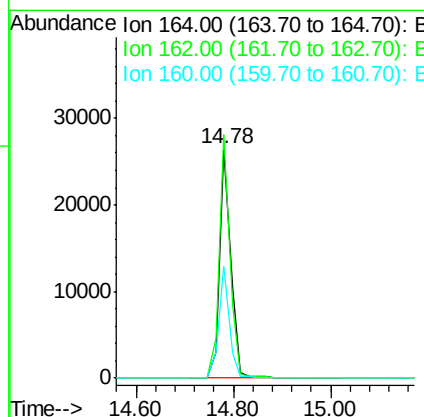
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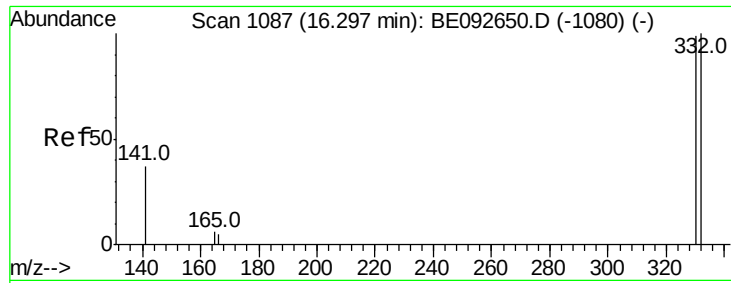
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.78 min Scan# 978
Delta R.T. -0.00 min
Lab File: BE092678.D
Acq: 24 Jan 2017 22:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.7	71.4	107.0
160	49.1	27.4	41.2





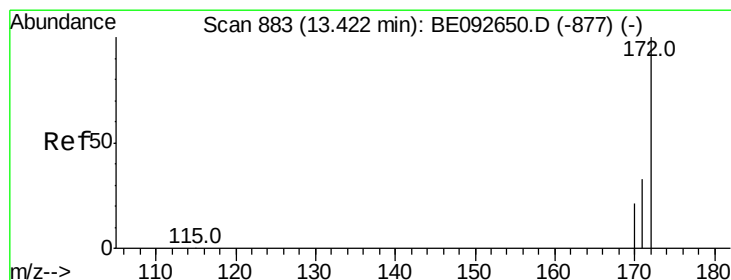
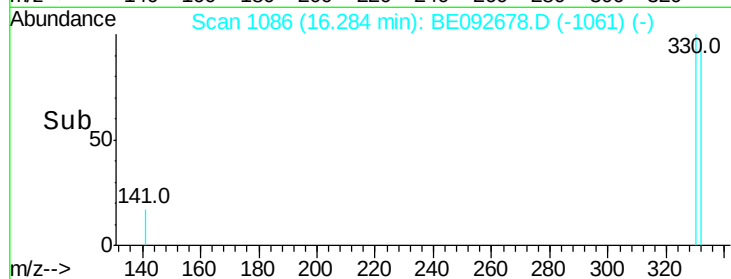
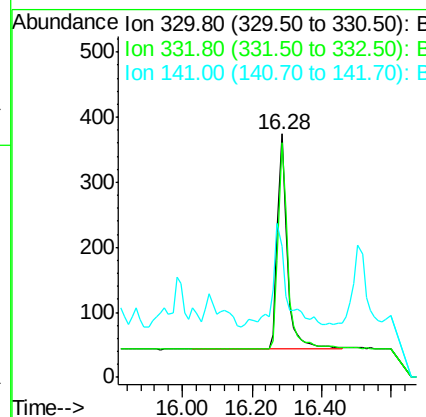
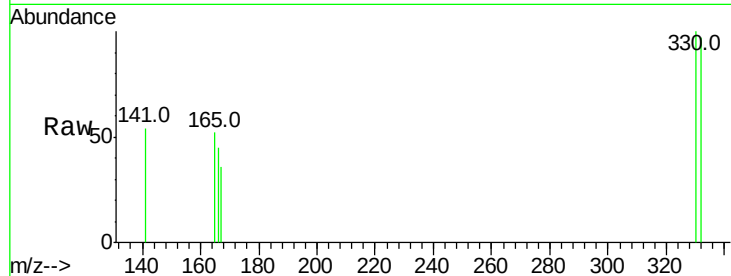
#13
 2,4,6-Tribromophenol
 Concen: 0.63 ng
 RT: 16.28 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BE092678.D
 Acq: 24 Jan 2017 22:57

Instrument :
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 ClientSampleId :
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Tot Ion:330 Resp: 626
 Ion Ratio Lower Upper
 330 100
 332 98.1 75.4 113.0
 141 71.4 31.0 46.6#

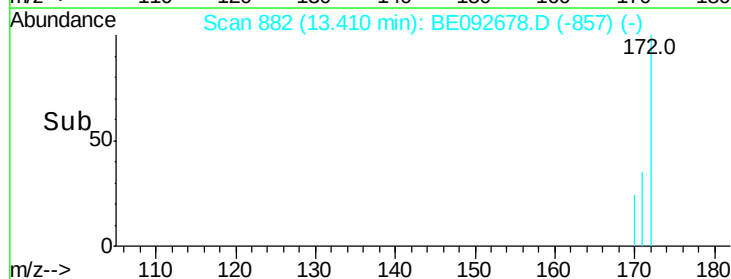
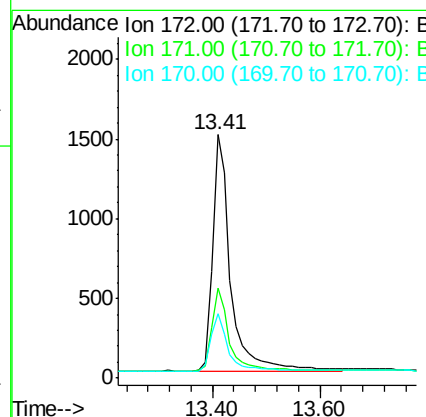
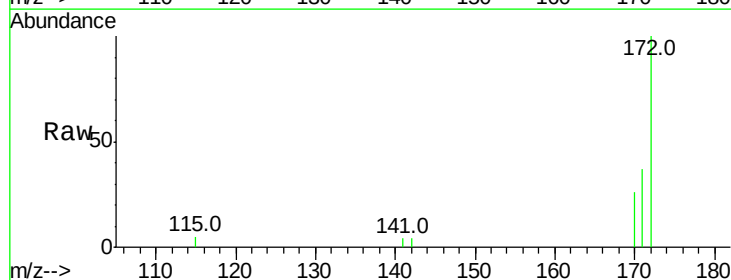
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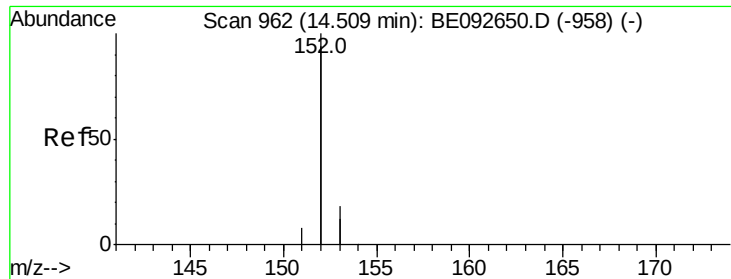
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#14
 2-Fluorobiphenyl
 Concen: 0.33 ng
 RT: 13.41 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BE092678.D
 Acq: 24 Jan 2017 22:57

Tgt Ion:172 Resp: 3443
 Ion Ratio Lower Upper
 172 100
 171 36.8 30.1 45.1
 170 26.4 21.8 32.6





#15

Acenaphthylene

Concen: 1.17 ng

RT: 14.49 min Scan# 961

Delta R.T. -0.02 min

Lab File: BE092678.D

Acq: 24 Jan 2017 22:57

Instrument :

BNA_E

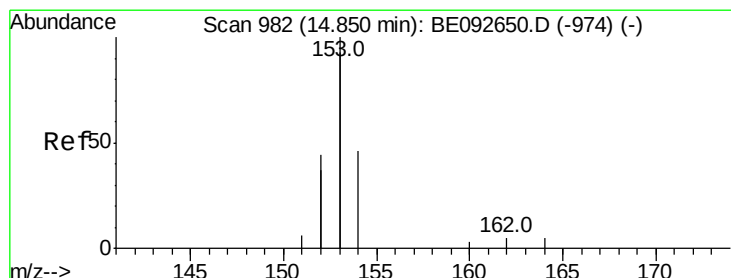
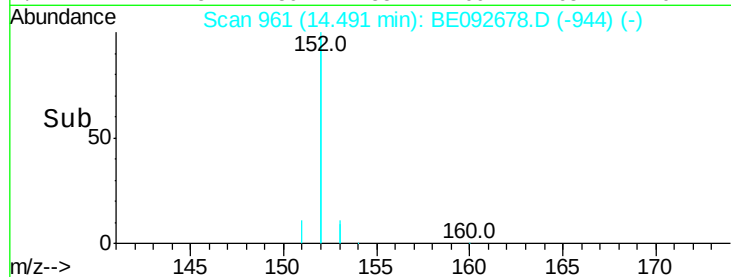
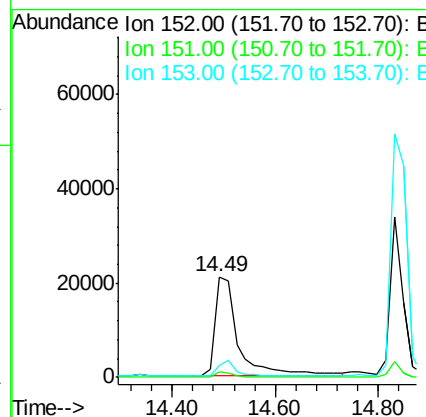
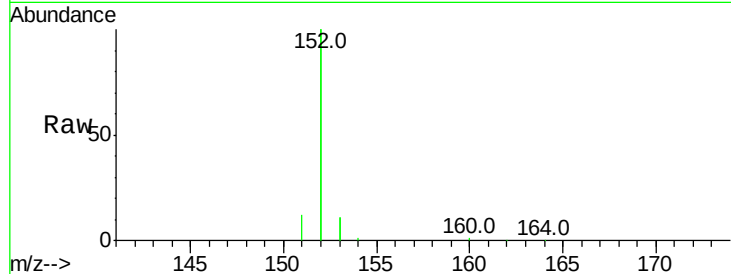
ClientSampleId :

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Tot Ion:	152	Resp:	67223
Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.3	10.4	15.6

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#16

Acenaphthene

Concen: 2.55 ng

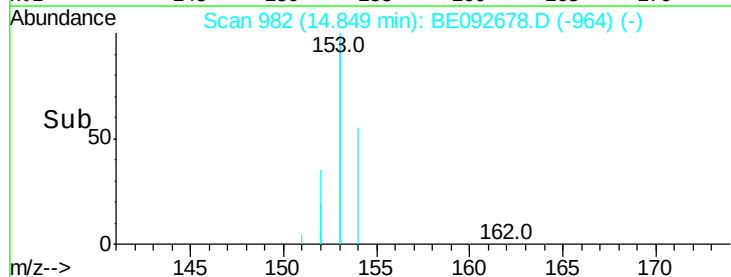
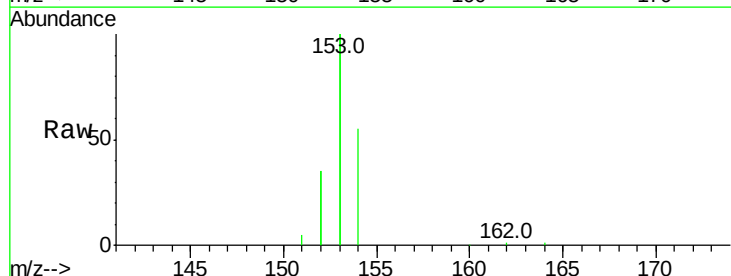
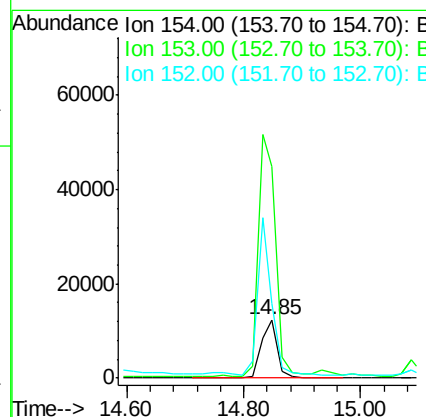
RT: 14.85 min Scan# 982

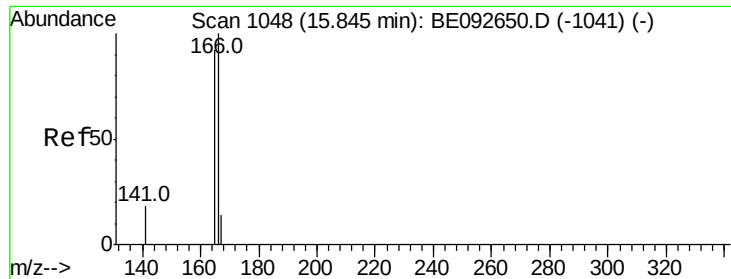
Delta R.T. -0.00 min

Lab File: BE092678.D

Acq: 24 Jan 2017 22:57

Tgt Ion:	154	Resp:	23574
Ion	Ratio	Lower	Upper
154	100		
153	453.0	350.8	526.2
152	234.7	171.1	256.7





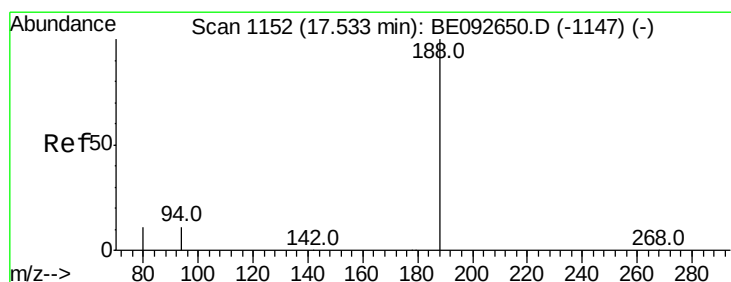
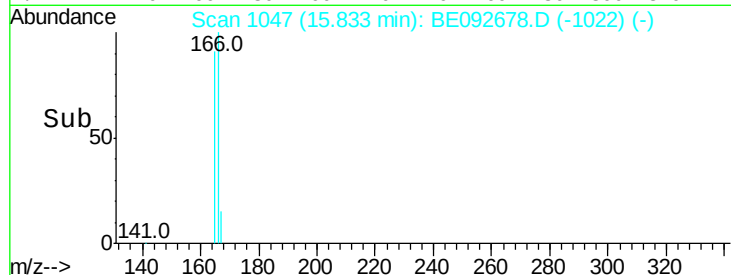
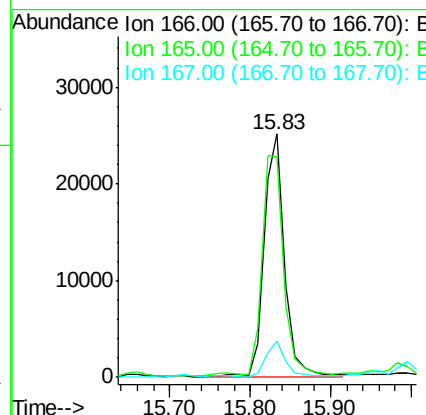
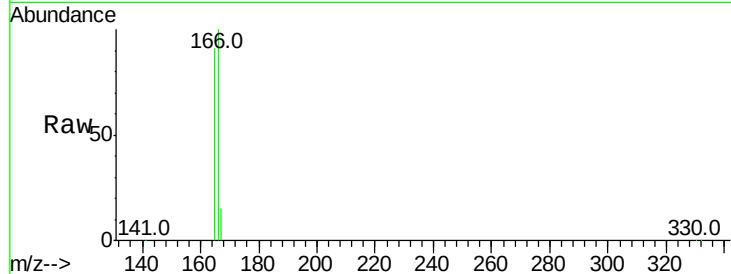
#17
Fluorene
 Concen: 3.77 ng
 RT: 15.83 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: BE092678.D
 Acq: 24 Jan 2017 22:57

Instrument :
 BNA_E
 ClientSampleId :
 RVE-9

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.1	78.2	117.4
167	14.0	11.0	16.4

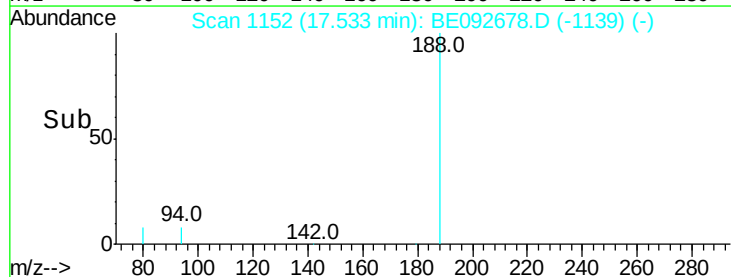
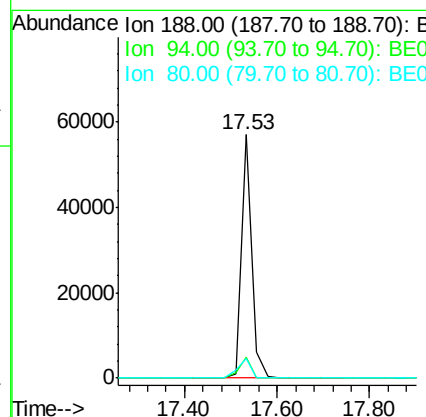
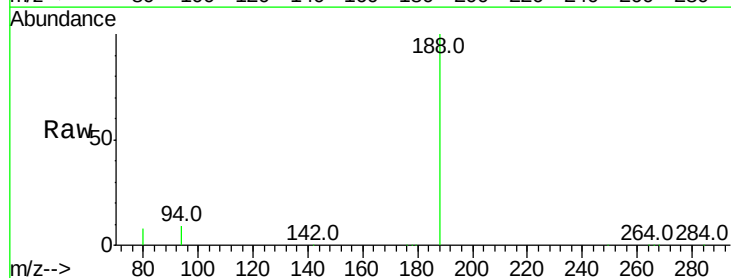
Manual Integrations
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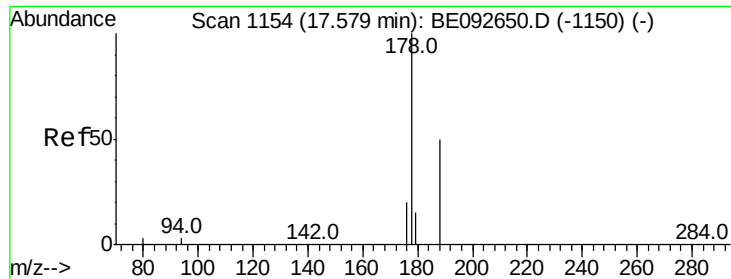
mohammad
 1/25/2017 4:53:22 PM



#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.53 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: BE092678.D
 Acq: 24 Jan 2017 22:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	3.2	4.8#
80	7.9	2.6	3.8#





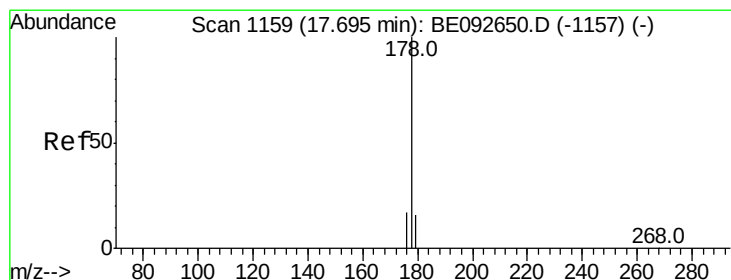
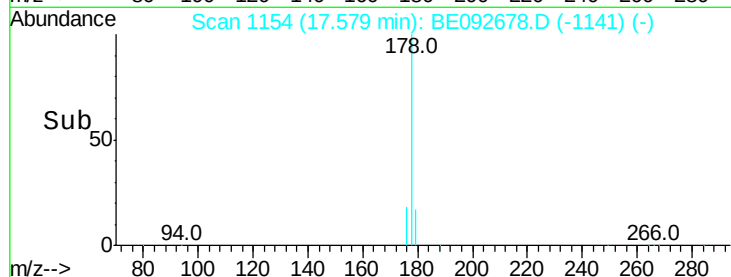
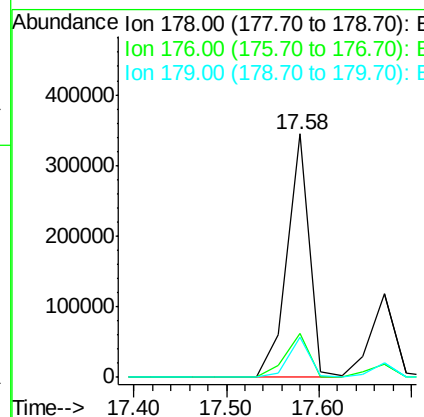
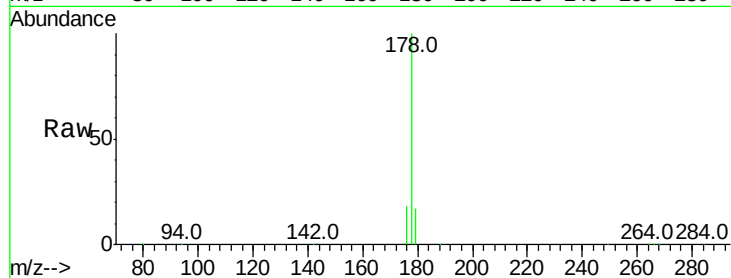
#21
Phenanthrene
Concen: 28.92 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092678.D
Acq: 24 Jan 2017 22:57

Instrument :
BNA_E
ClientSampleId :
RVE-9

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	16.0	16.0	24.0

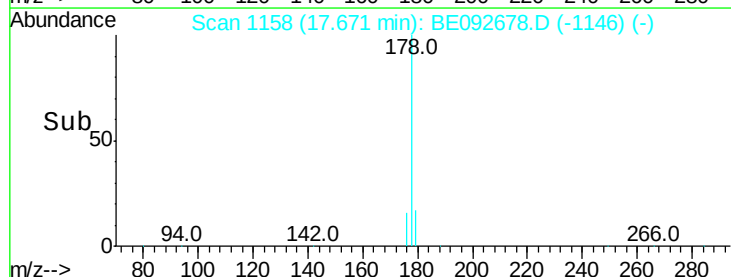
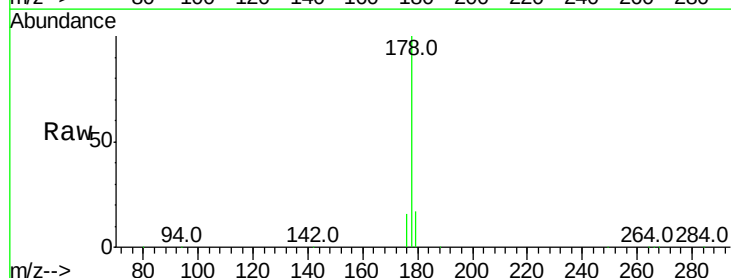
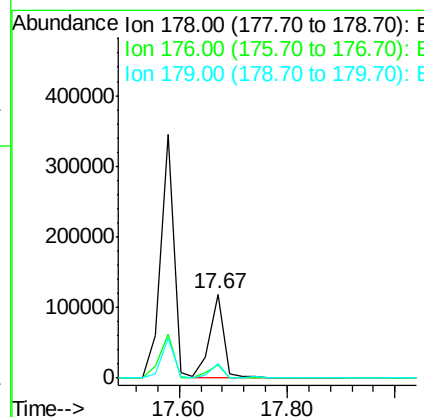
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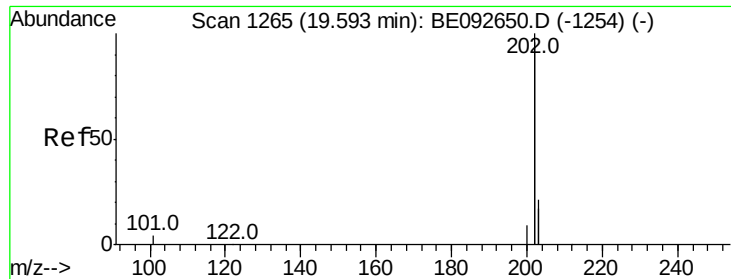
mohammad
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#22
Anthracene
Concen: 11.94 ng
RT: 17.67 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BE092678.D
Acq: 24 Jan 2017 22:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	16.2	12.2	18.2





#23

Fluoranthene

Concen: 51.69 ng

RT: 19.58 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BE092678.D

Acq: 24 Jan 2017 22:57

Instrument :

BNA_E

ClientSampleId :

RVE-9

Tot Ion:202 Resp: 4534334

Ion Ratio Lower Upper

202 100

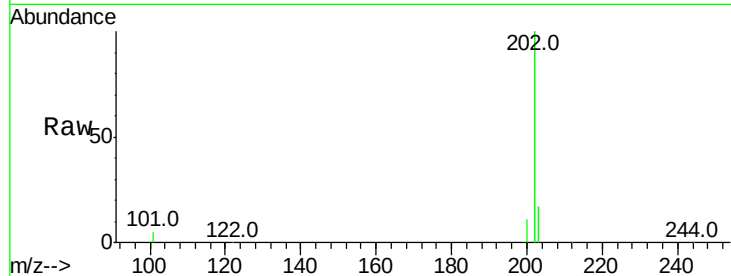
101 3.4 2.2 3.4#

203 17.3 13.7 20.5

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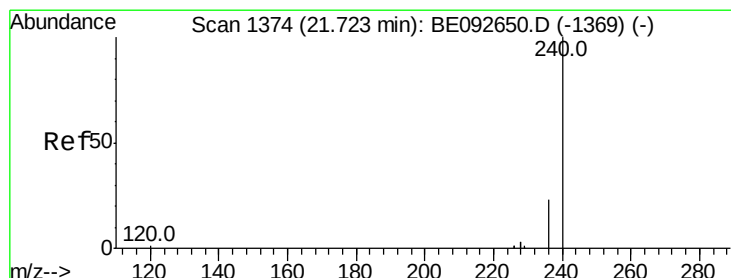
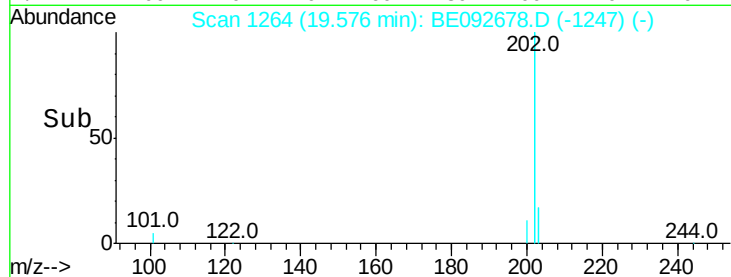
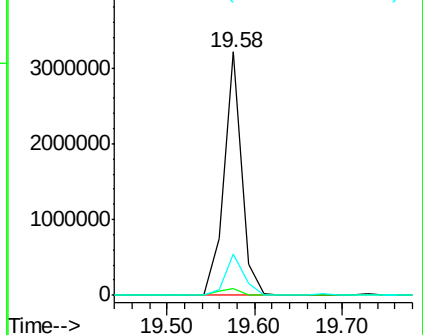
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

RT: 21.72 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092678.D

Acq: 24 Jan 2017 22:57

Tgt Ion:240 Resp: 80441

Ion Ratio Lower Upper

240 100

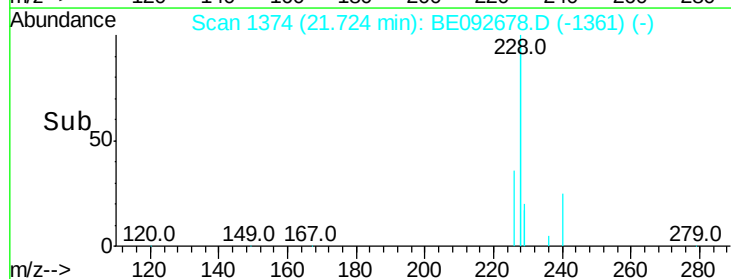
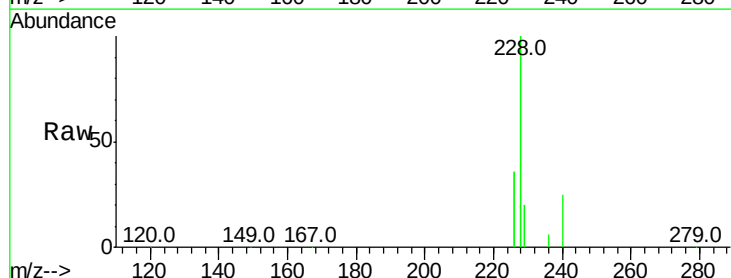
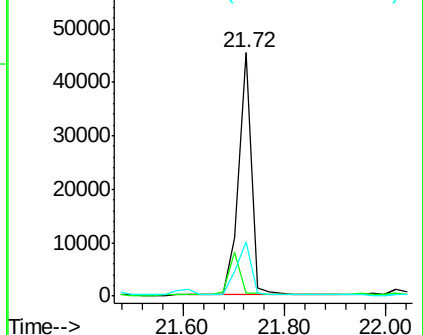
120 1.1 2.6 4.0#

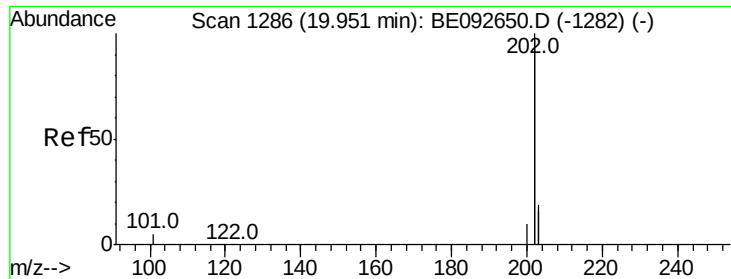
236 22.2 24.6 37.0#

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





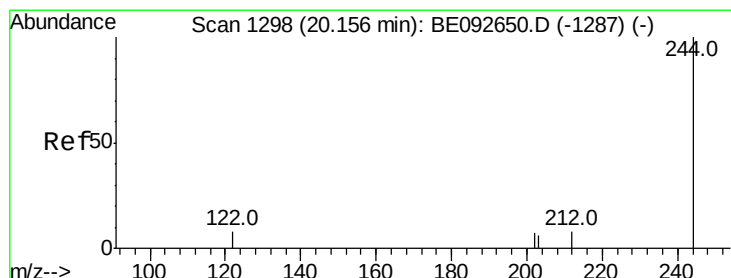
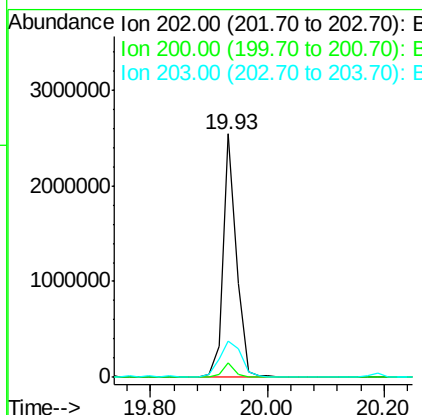
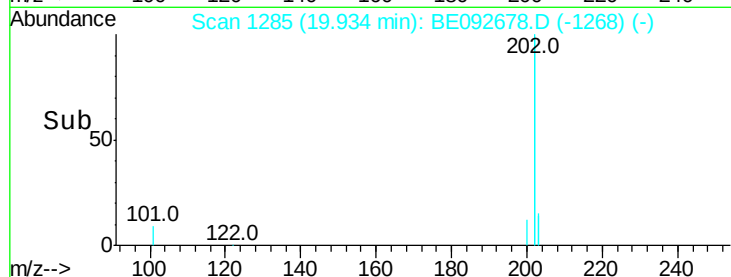
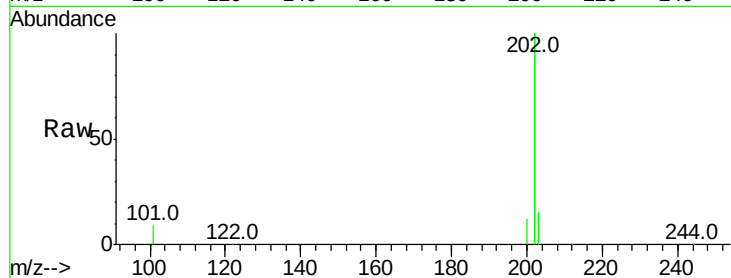
#25
Pvrene
Concen: 51.03 ng
RT: 19.93 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BE092678.D
Acq: 24 Jan 2017 22:57

Instrument :
BNA_E
ClientSampleId :
RVE-9

Tot Ion:202 Resp: 4045847
Ion Ratio Lower Upper
202 100
200 5.7 4.2 6.4
203 24.8 13.9 20.9#

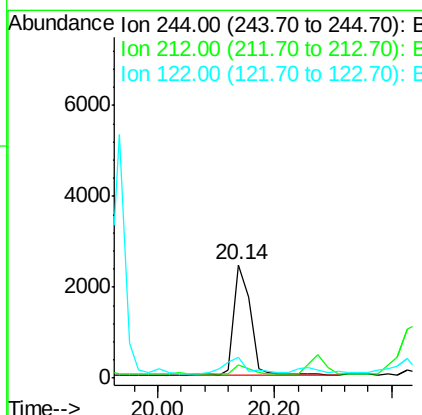
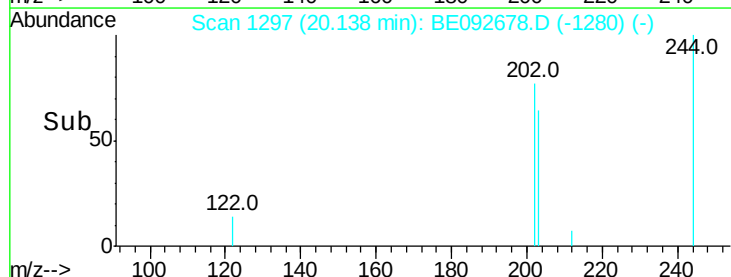
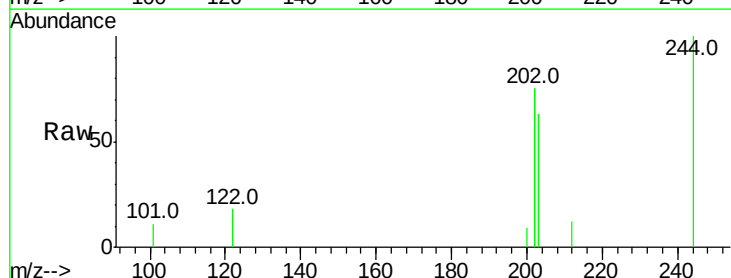
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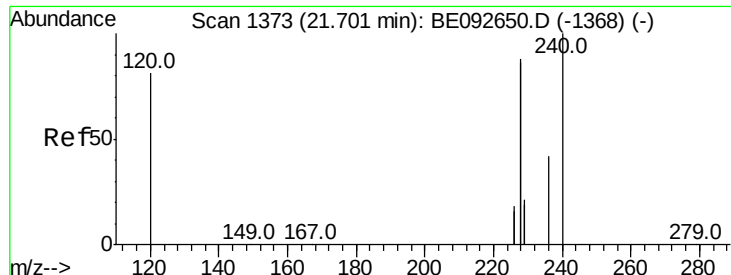
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#26
Terphenyl-d14
Concen: 0.42 ng
RT: 20.14 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BE092678.D
Acq: 24 Jan 2017 22:57

Tgt Ion:244 Resp: 4743
Ion Ratio Lower Upper
244 100
212 12.0 6.7 10.1#
122 18.3 3.6 5.4#





#27

Benzo(a)anthracene

Concen: 30.42 ng m

RT: 21.70 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE092678.D

Acq: 24 Jan 2017 22:57

Instrument :

BNA_E

ClientSampleId :

RVE-9

Tot Ion:228 Resp: 2410604

Ion Ratio Lower Upper

228 100

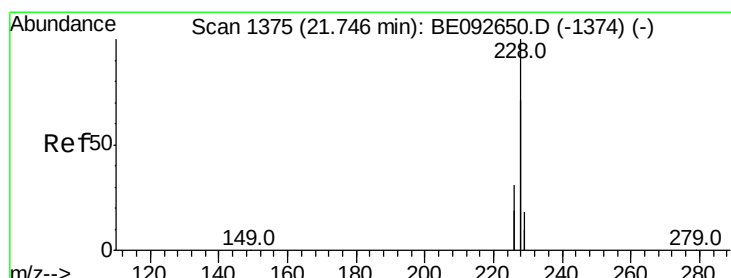
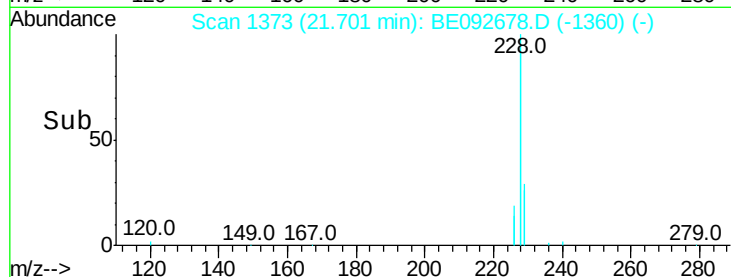
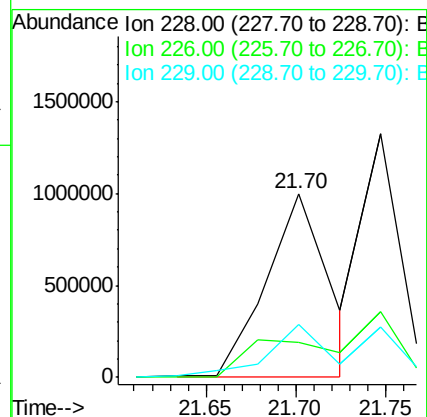
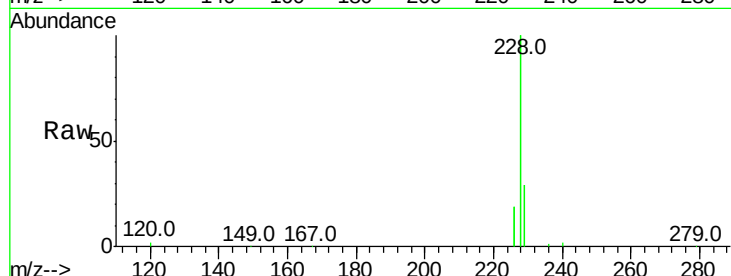
226 18.7 23.6 35.4#

229 28.9 13.3 19.9#

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#28

Chrysene

Concen: 21.27 ng m

RT: 21.75 min Scan# 1375

Delta R.T. 0.00 min

Lab File: BE092678.D

Acq: 24 Jan 2017 22:57

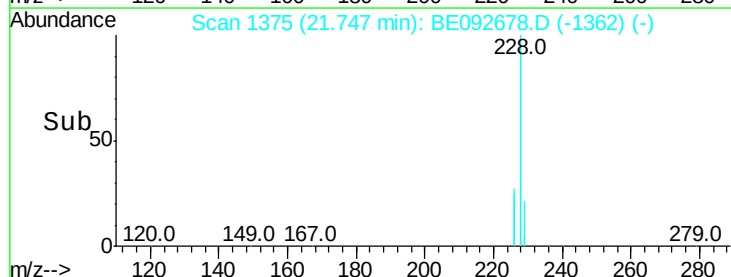
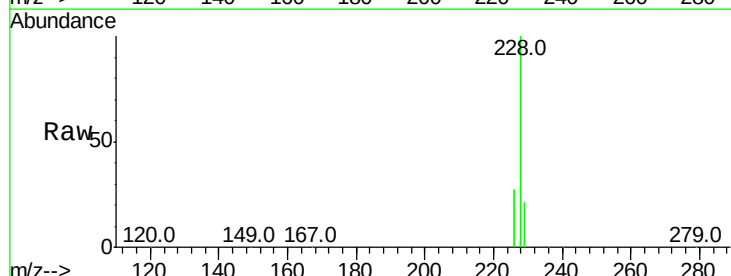
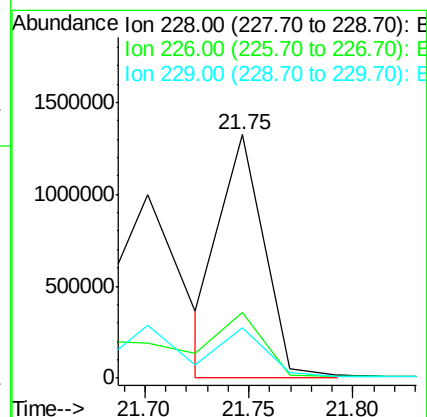
Tgt Ion:228 Resp: 1896426

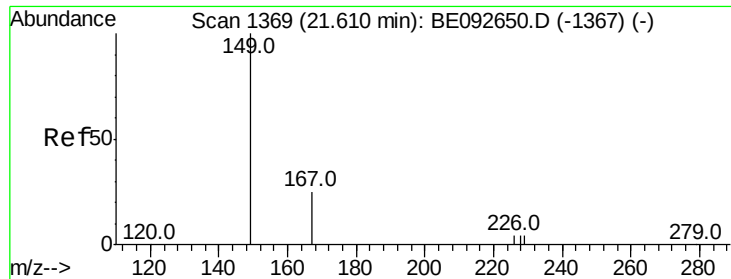
Ion Ratio Lower Upper

228 100

226 26.8 36.3 54.5#

229 20.6 10.6 16.0#





#29

Bis(2-ethylhexyl)phthalate

Concen: 0.50 ng

RT: 21.61 min Scan# 1369

Delta R.T. 0.00 min

Lab File: BE092678.D

Acq: 24 Jan 2017 22:57

Instrument :

BNA_E

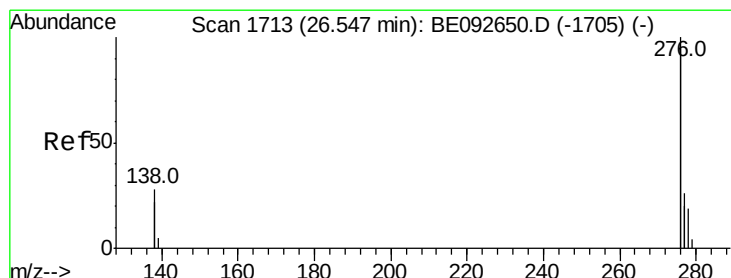
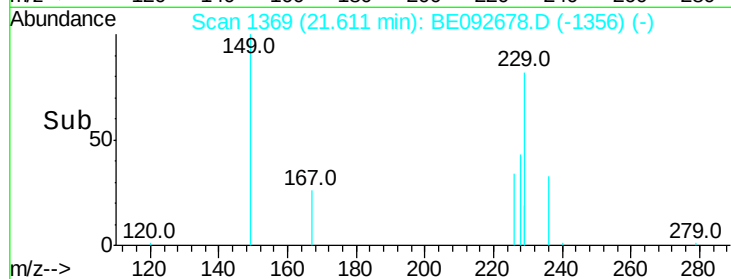
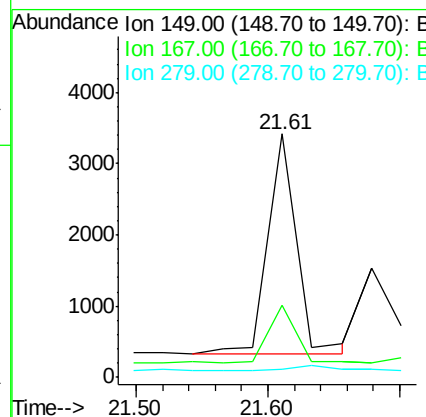
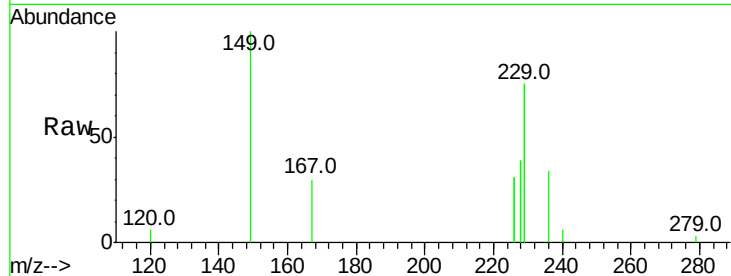
ClientSampleId :

RVE-9

Tot Ion:	149	Resp:	4738
Ion Ratio	Lower	Upper	
149	100		
167	28.1	16.0	24.0#
279	0.0	16.0	24.0#

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#30

Indeno(1,2,3-cd)pyrene

Concen: 14.67 ng

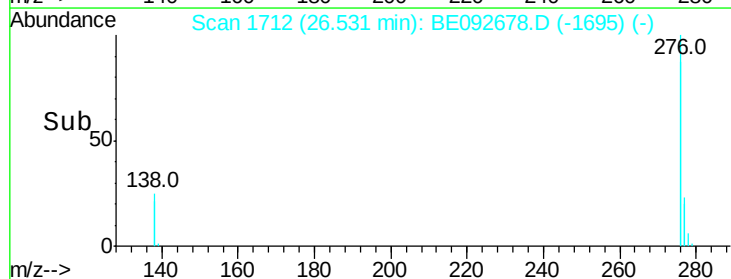
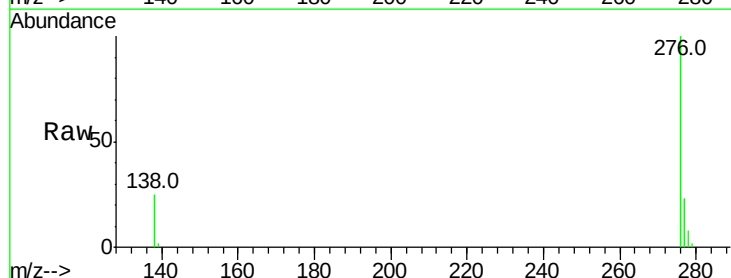
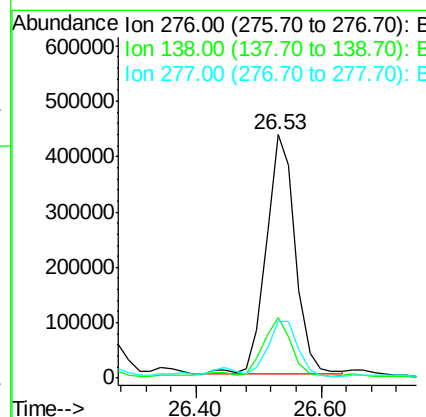
RT: 26.53 min Scan# 1712

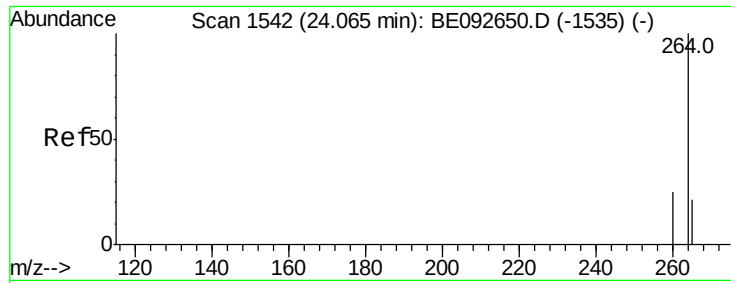
Delta R.T. -0.02 min

Lab File: BE092678.D

Acq: 24 Jan 2017 22:57

Tgt Ion:	276	Resp:	1413405
Ion Ratio	Lower	Upper	
276	100		
138	23.7	20.3	30.5
277	23.8	19.7	29.5





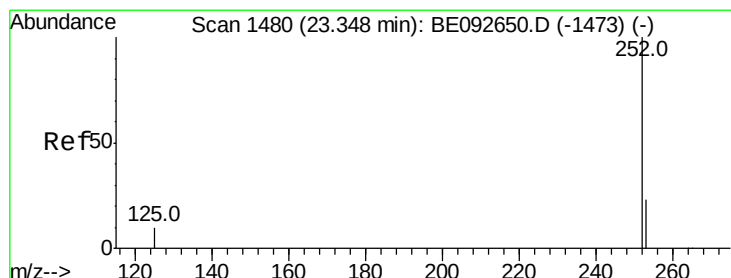
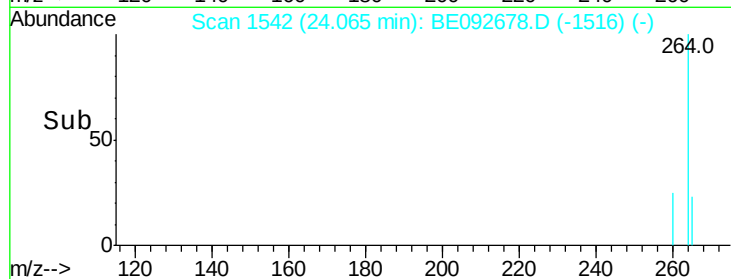
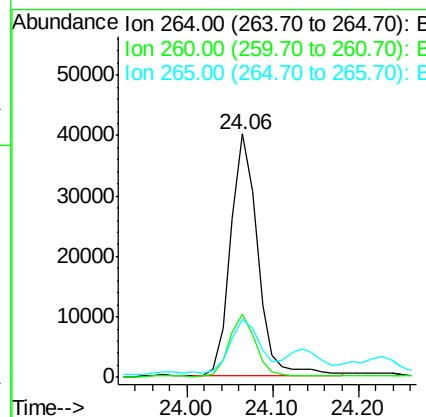
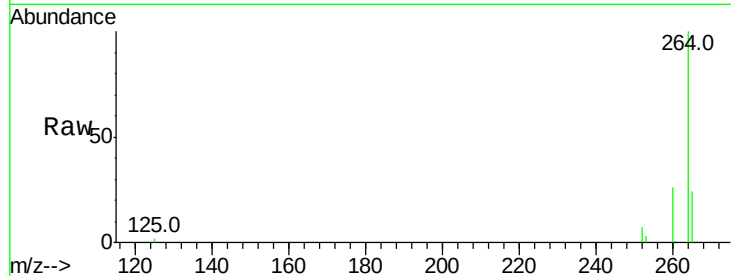
#31
Pervlene-d12
Concen: 5.00 ng
RT: 24.06 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BE092678.D
Acq: 24 Jan 2017 22:57

Instrument :
BNA_E
ClientSampled :
RVE-9

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.1	30.1
265	23.6	17.9	26.9

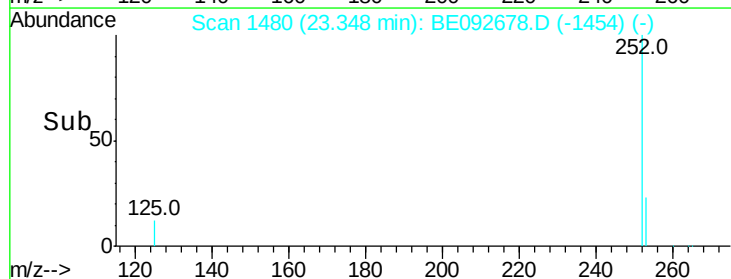
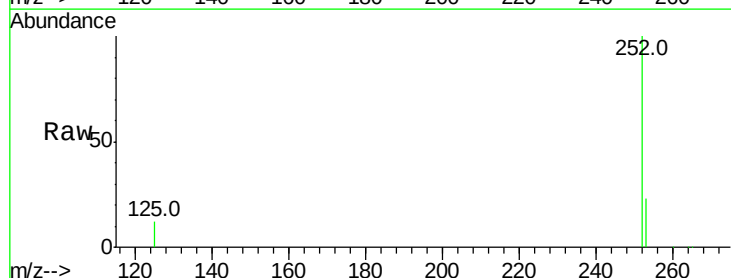
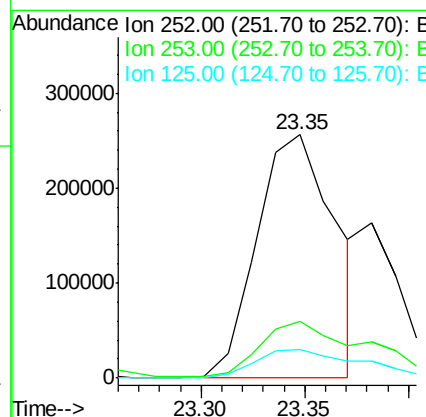
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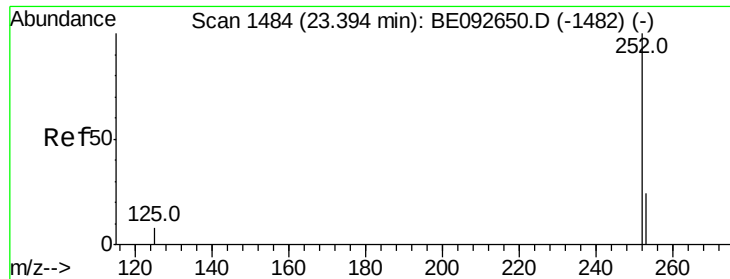
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#32
Benzo(b)fluoranthene
Concen: 31.79 ng m
RT: 23.35 min Scan# 1480
Delta R.T. -0.00 min
Lab File: BE092678.D
Acq: 24 Jan 2017 22:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.7	28.1
125	11.7	10.5	15.7





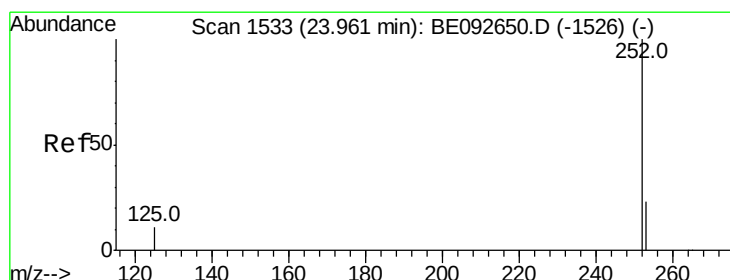
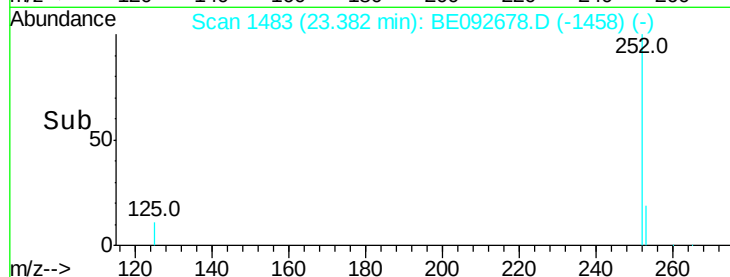
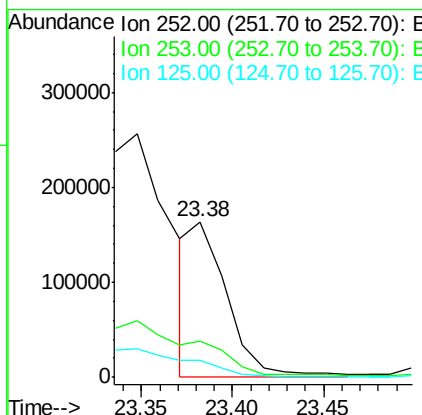
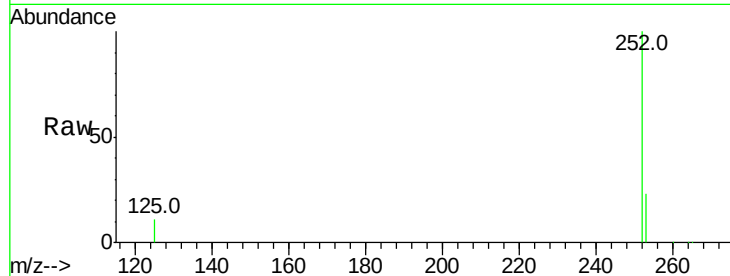
#33
Benzo(k)fluoranthene
Concen: 10.78 ng m
RT: 23.38 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE092678.D
Acq: 24 Jan 2017 22:57

Instrument :
BNA_E
ClientSampleId :
RVE-9

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.3	30.5
125	10.9	9.6	14.4

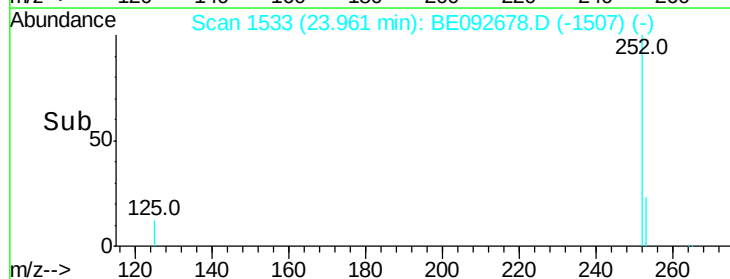
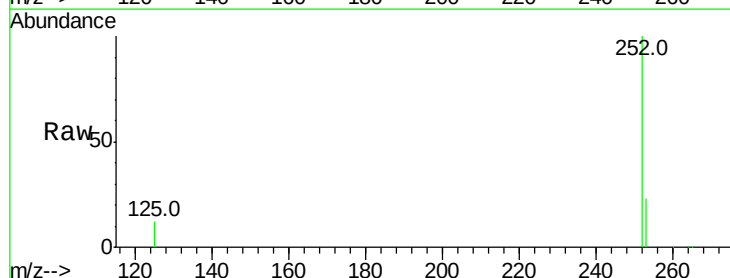
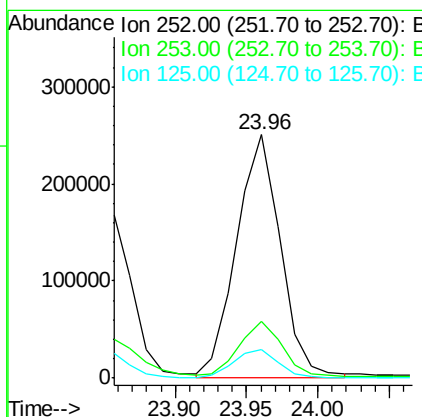
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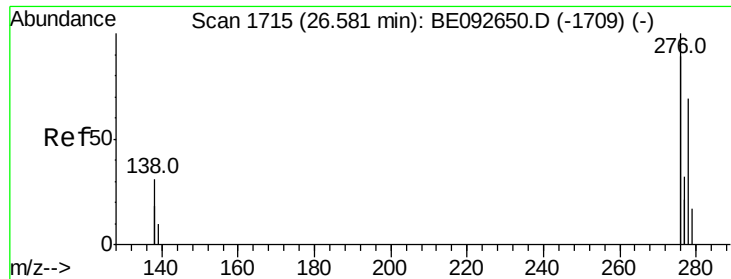
mohammad
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#34
Benzo(a)pyrene
Concen: 26.98 ng m
RT: 23.96 min Scan# 1533
Delta R.T. -0.00 min
Lab File: BE092678.D
Acq: 24 Jan 2017 22:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	19.0	28.6
125	11.7	11.8	17.8#





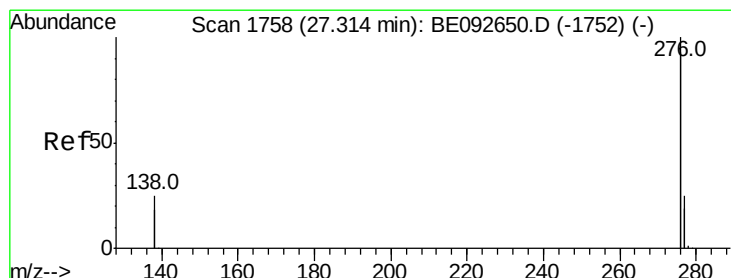
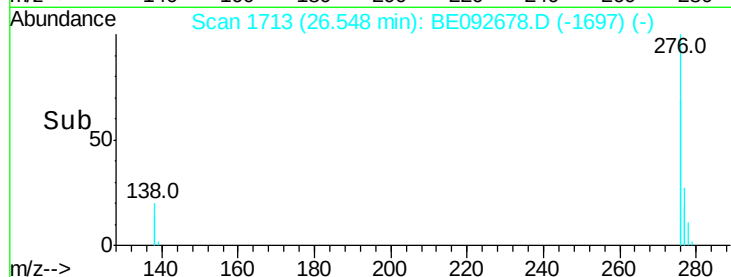
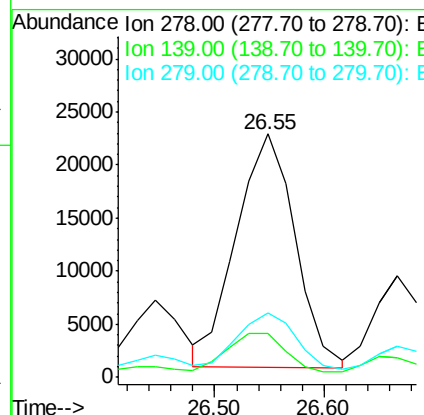
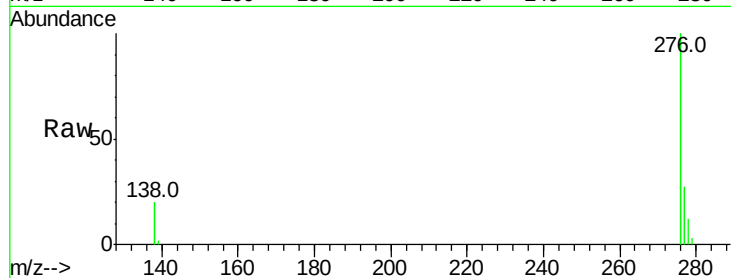
#35
Dibenzo(a,h)anthracene
Concen: 4.18 ng
RT: 26.55 min Scan# 1713
Delta R.T. -0.03 min
Lab File: BE092678.D
Acq: 24 Jan 2017 22:57

Instrument :
BNA_E
ClientSampleId :
RVE-9

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.1	13.8	20.8
279	26.4	21.4	32.2

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#36
Benzo(g,h,i)perylene
Concen: 18.56 ng
RT: 27.31 min Scan# 1758
Delta R.T. 0.00 min
Lab File: BE092678.D
Acq: 24 Jan 2017 22:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.8	29.8
138	21.4	19.8	29.6

