

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091216\
 Data File : BE092374.D
 Acq On : 12 Sep 2016 16:33
 Operator : UM/SJ
 Sample : H4756-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-004

Manual Integrations
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Quant Time: Sep 12 19:09:05 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 02 19:34:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	10921	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	48857	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	28037	5.00	ng	0.00
18) Phenanthrene-d10	17.56	188	73405	5.00	ng	0.00
24) Chrysene-d12	21.72	240	97833	5.00	ng	-0.02
31) Perylene-d12	24.09	264	92719	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.67	112	20235	7.79	ng	-0.02
5) Phenol-d6	7.33	99	27312	7.88	ng	-0.02
8) Nitrobenzene-d5	9.34	82	12408	3.54	ng	-0.02
13) 2,4,6-Tribromophenol	16.29	330	8426	9.70	ng	-0.02
14) 2-Fluorobiphenyl	13.43	172	26187	3.04	ng	-0.01
26) Terphenyl-d14	20.17	244	37014	2.56	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.99	128	798	0.07	ng	# 81
11) 2-Methylnaphthalene	12.62	142	457	0.06	ng	# 92
15) Acenaphthylene	14.53	152	26764	0.55	ng	99
16) Acenaphthene	14.87	154	852	0.11	ng	79
17) Fluorene	15.85	166	1467	0.15	ng	95
20) Pentachlorophenol	17.23	266	281	0.43	ng	97
21) Phenanthrene	17.60	178	21124	1.02	ng	96
22) Anthracene	17.69	178	10797	0.59	ng	99
23) Fluoranthene	19.59	202	325097	3.61	ng	100
25) Pyrene	19.95	202	344159	3.62	ng	# 92
27) Benzo(a)anthracene	21.70	228	214871m	2.04	ng	
28) Chrysene	21.77	228	273283m	2.75	ng	
29) Bis(2-ethylhexyl)phthalate	21.63	149	71233	Below Cal		# 68
30) Indeno(1,2,3-cd)pyrene	26.56	276	146985	1.32	ng	97
32) Benzo(b)fluoranthene	23.36	252	83908m	3.52	ng	
33) Benzo(k)fluoranthene	23.41	252	26006m	1.03	ng	
34) Benzo(a)pyrene	23.98	252	52862	2.25	ng	98
35) Dibenzo(a,h)anthracene	26.58	278	8917	0.41	ng	# 74
36) Benzo(g,h,i)perylene	27.35	276	155752	1.70	ng	97

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

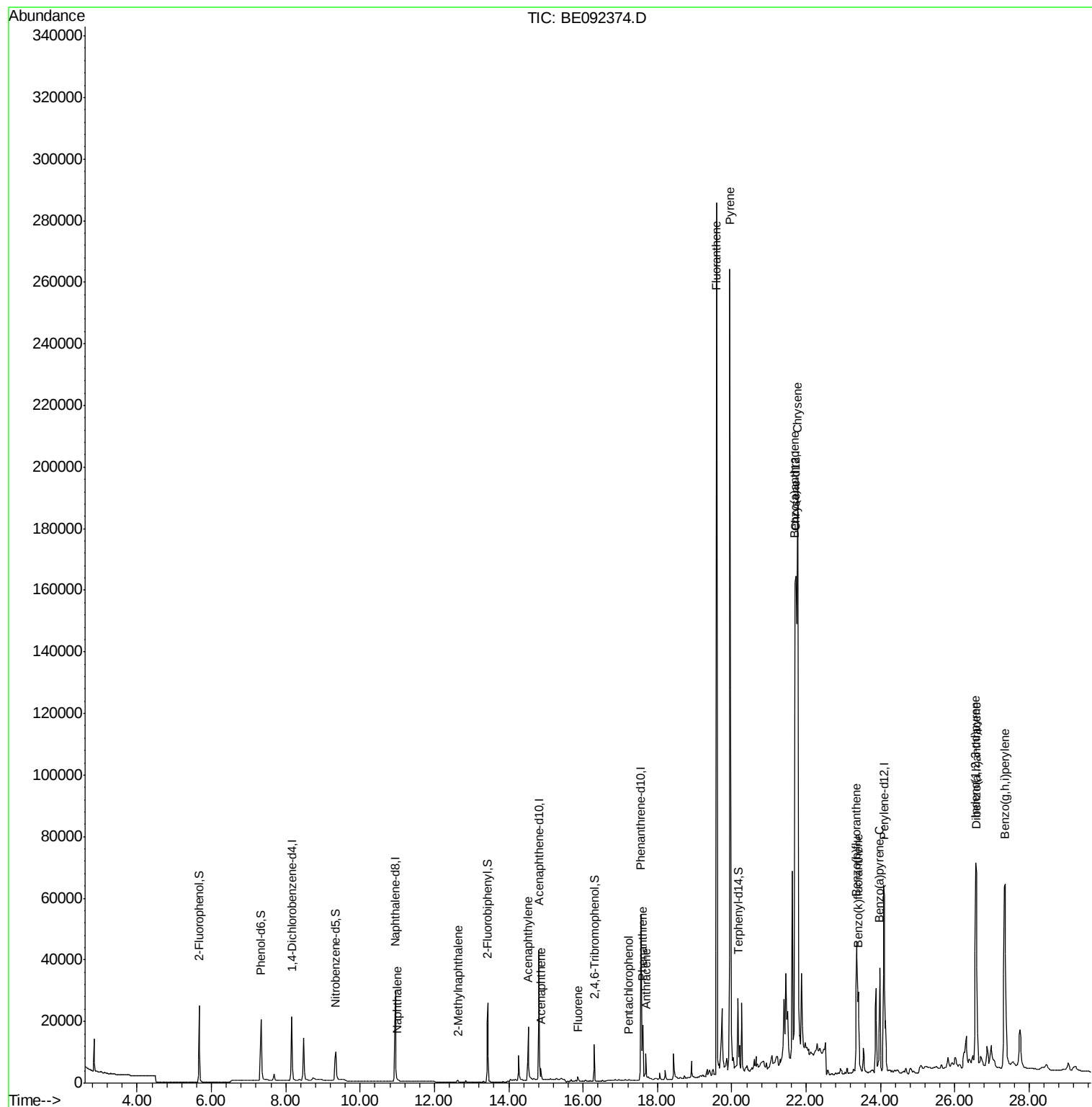
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE091216\
Data File : BE092374.D
Acq On : 12 Sep 2016 16:33
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ALS Vial : 12 Sample Multiplier: 1

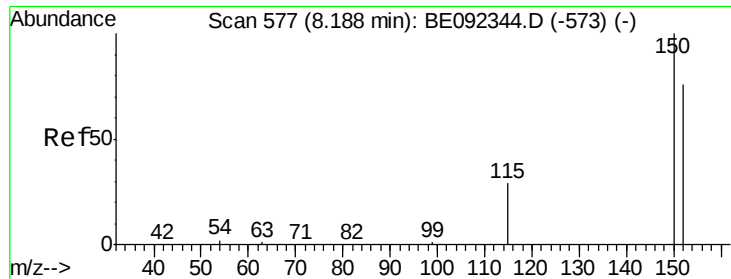
Instrument :
BNA_E
ClientSampled :
NC-TS-004

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Quant Time: Sep 12 19:09:05 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 19:34:51 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092374.D

Acq: 12 Sep 2016 16:33

Instrument :

BNA_E

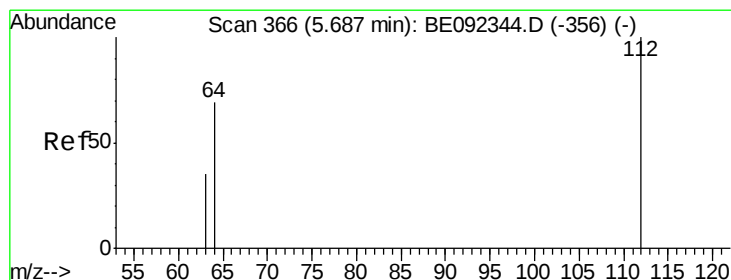
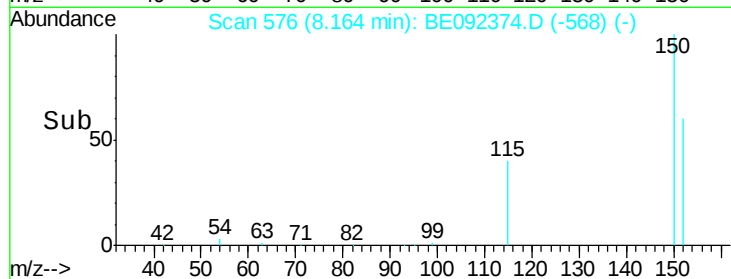
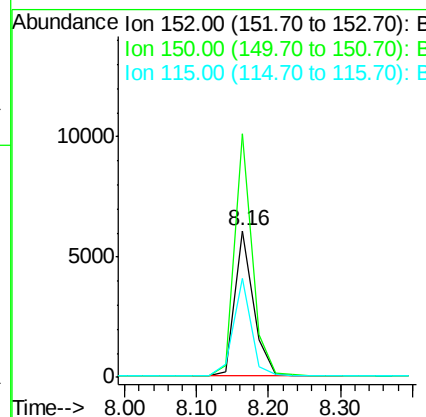
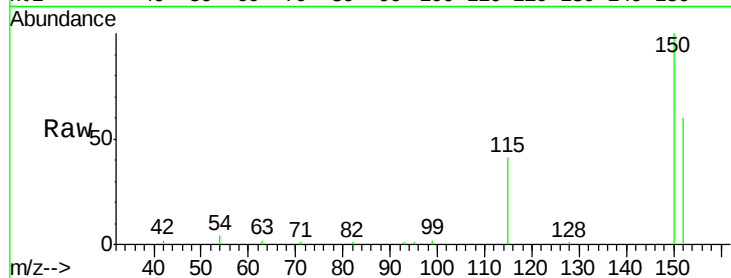
ClientSampled :

NC-TS-004

Tgt Ion:	152	Resp:	10921
Ion Ratio	Lower	Upper	
152	100		
150	165.9	106.0	159.0#
115	67.2	31.2	46.8#

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#4

2-Fluorophenol

Concen: 7.79 ng

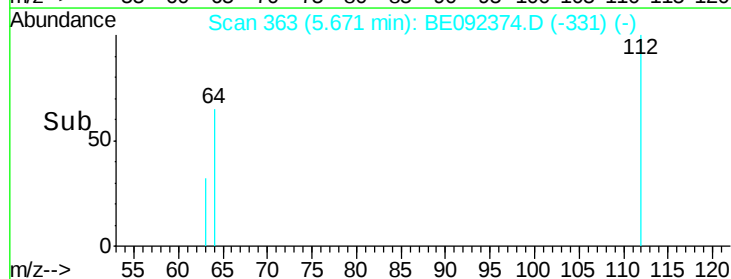
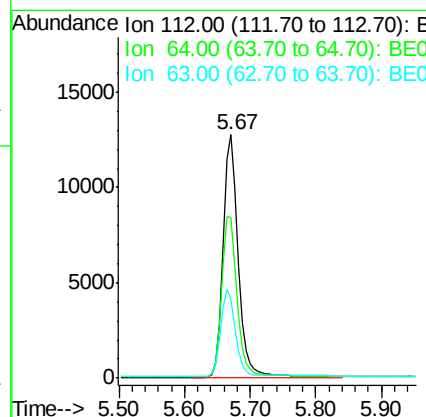
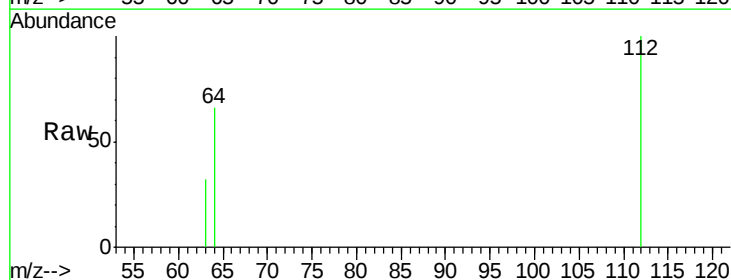
RT: 5.67 min Scan# 363

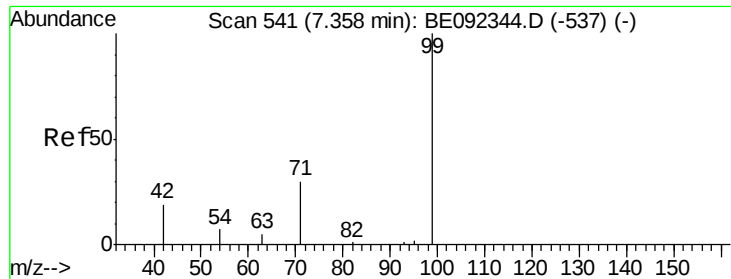
Delta R.T. -0.02 min

Lab File: BE092374.D

Acq: 12 Sep 2016 16:33

Tgt Ion:	112	Resp:	20235
Ion Ratio	Lower	Upper	
112	100		
64	68.7	53.5	80.3
63	35.8	27.9	41.9





#5

Phenol-d6

Concen: 7.88 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092374.D

Acq: 12 Sep 2016 16:33

Instrument :

BNA_E

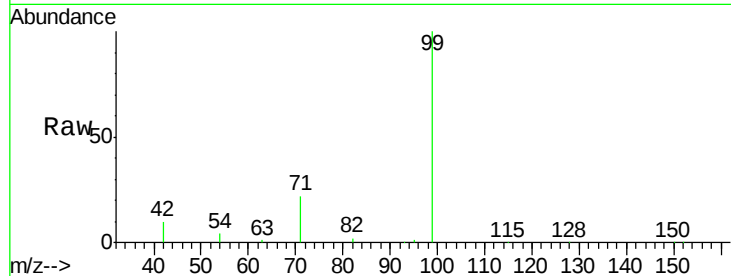
ClientSampleId :

NC-TS-004

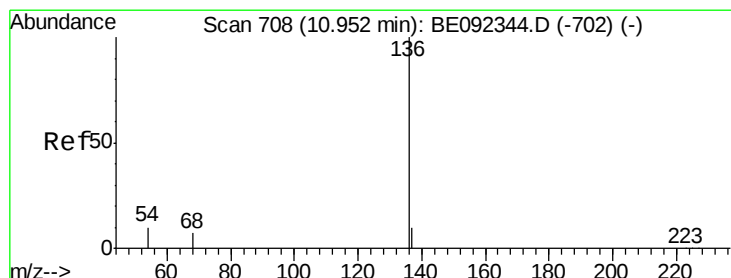
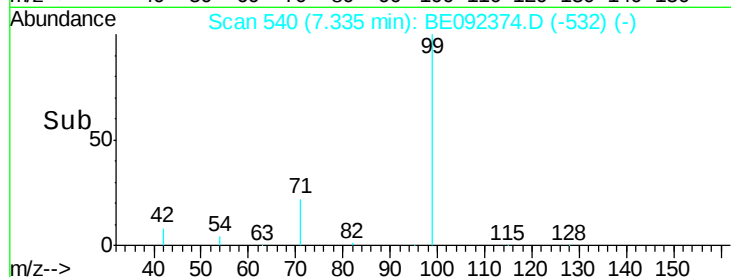
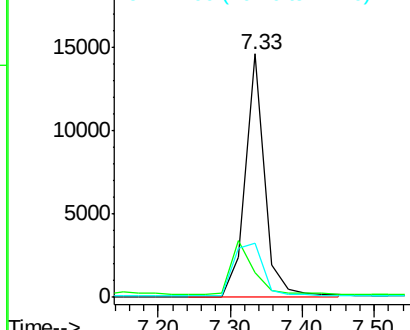
Tgt Ion:	99	Resp:	27312
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	34.3	30.6	45.8

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.95 min Scan# 708

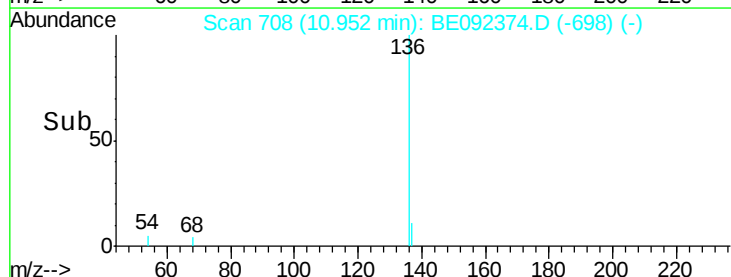
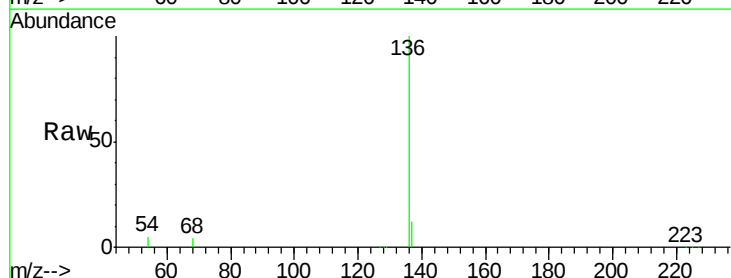
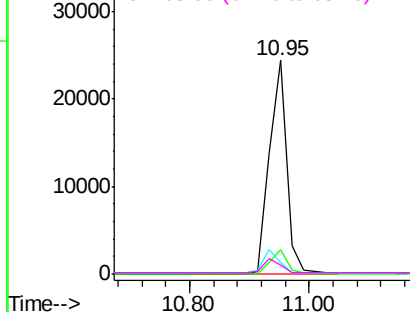
Delta R.T. 0.00 min

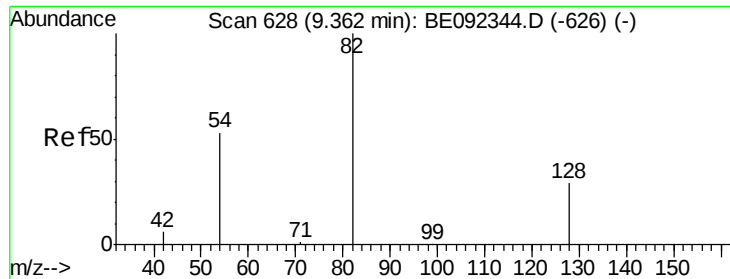
Lab File: BE092374.D

Acq: 12 Sep 2016 16:33

Tgt Ion:	136	Resp:	48857
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.2	12.4
54	5.3	9.6	14.4#
68	4.3	6.7	10.1#

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#8

Nitrobenzene-d5

Concen: 3.54 ng

RT: 9.34 min Scan# 627

Delta R.T. -0.02 min

Lab File: BE092374.D

Acq: 12 Sep 2016 16:33

Instrument :

BNA_E

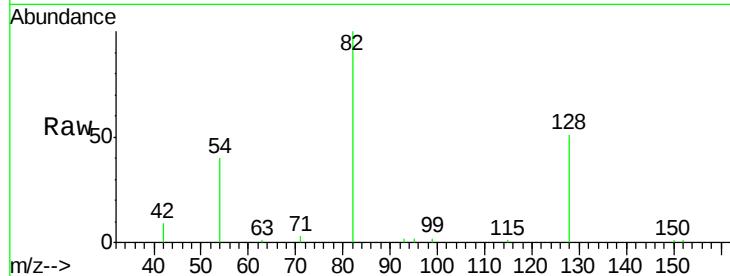
ClientSampleId :

NC-TS-004

Tgt Ion:	82	Resp:	12408
Ion Ratio	Lower	Upper	
82	100		
128	51.5	39.0	58.4
54	40.0	44.8	67.2#

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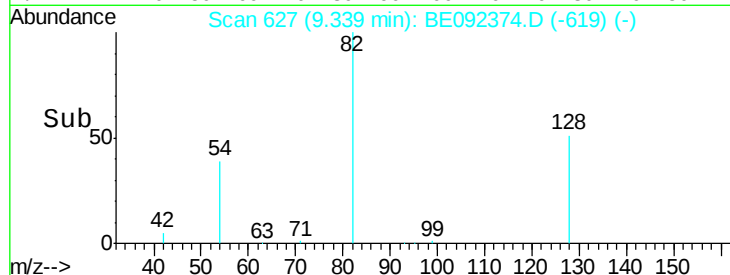


Abundance Ion 82.00 (81.70 to 82.70): BE092374.D (-619) (-)

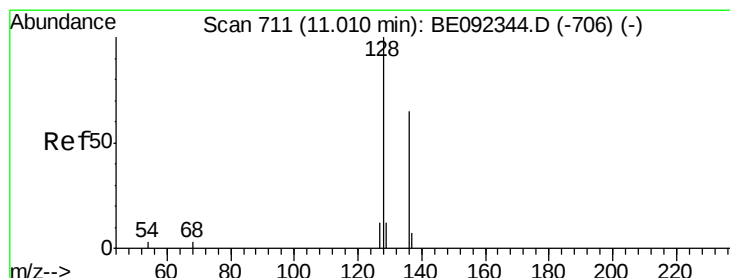
Ion 128.00 (127.70 to 128.70): BE092374.D (-619) (-)

Ion 54.00 (53.70 to 54.70): BE092374.D (-619) (-)

Time-->



Time-->



#9

Naphthalene

Concen: 0.07 ng

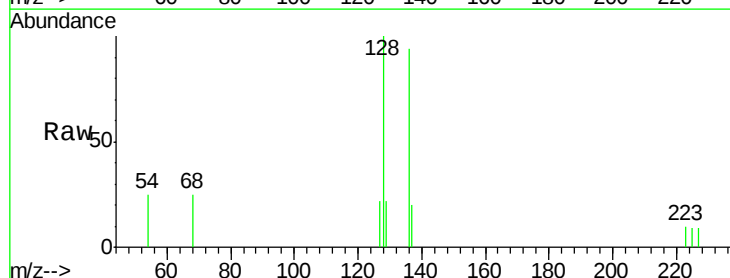
RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092374.D

Acq: 12 Sep 2016 16:33

Tgt Ion:	128	Resp:	798
Ion Ratio	Lower	Upper	
128	100		
129	21.7	11.2	16.8#
127	22.4	11.6	17.4#

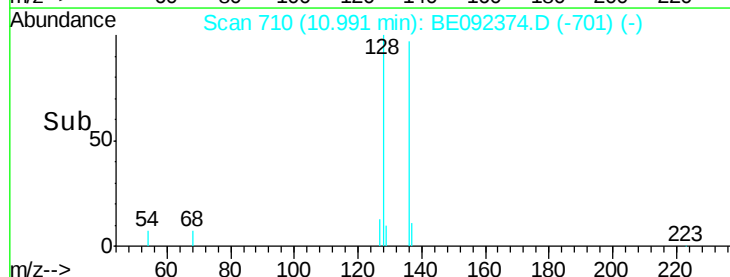


Abundance Ion 128.00 (127.70 to 128.70): BE092374.D (-701) (-)

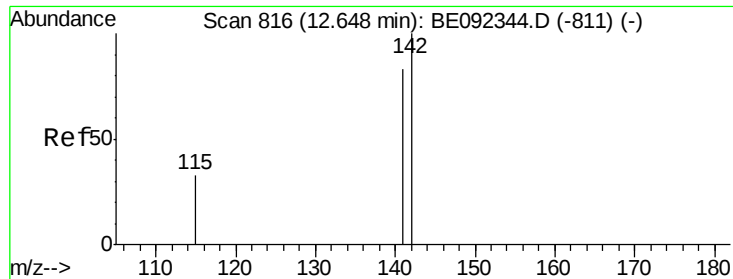
Ion 129.00 (128.70 to 129.70): BE092374.D (-701) (-)

Ion 127.00 (126.70 to 127.70): BE092374.D (-701) (-)

Time-->



Time-->



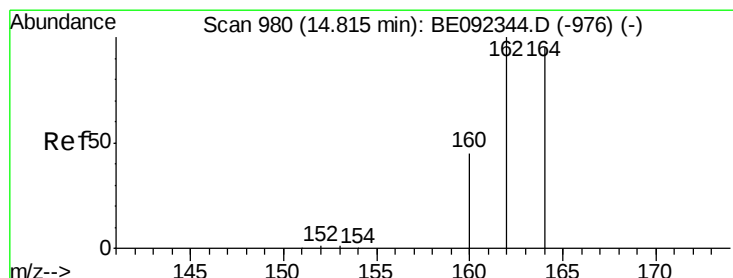
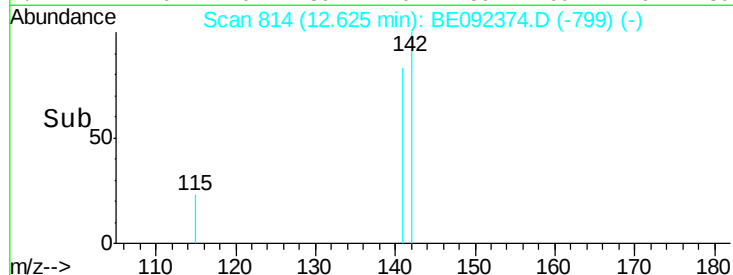
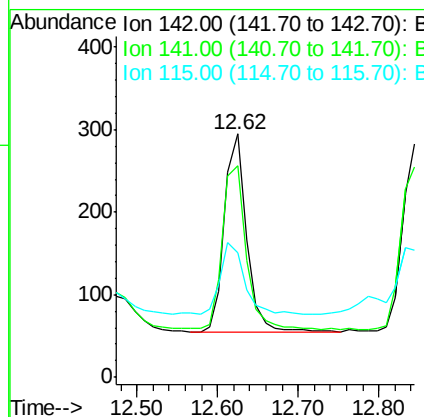
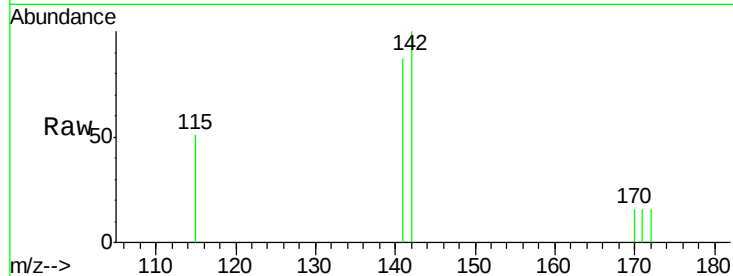
#11
2-Methylnaphthalene
Concen: 0.06 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092374.D
Acq: 12 Sep 2016 16:33

Instrument :
BNA_E
ClientSampleId :
NC-TS-004

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.1	73.7	110.5
115	51.2	34.0	51.0

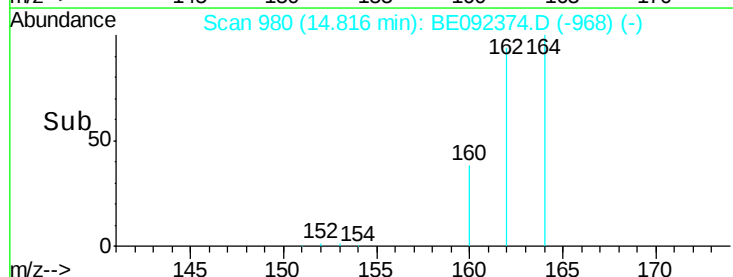
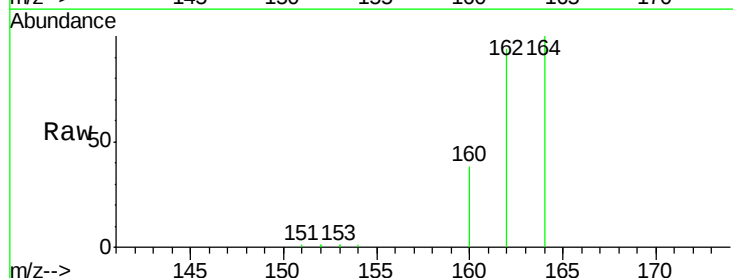
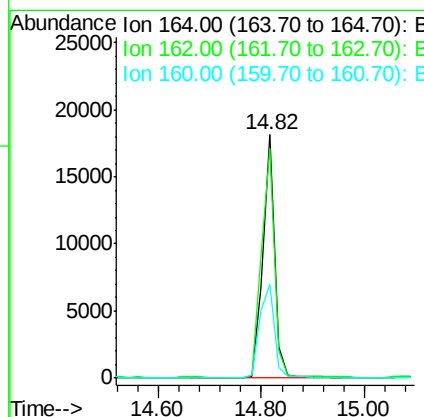
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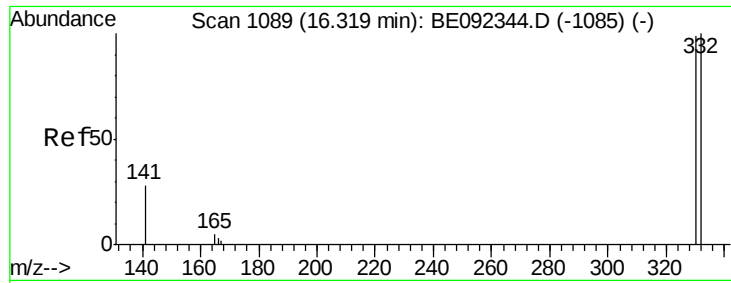
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092374.D
Acq: 12 Sep 2016 16:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.4	71.4	107.0
160	38.4	27.4	41.2





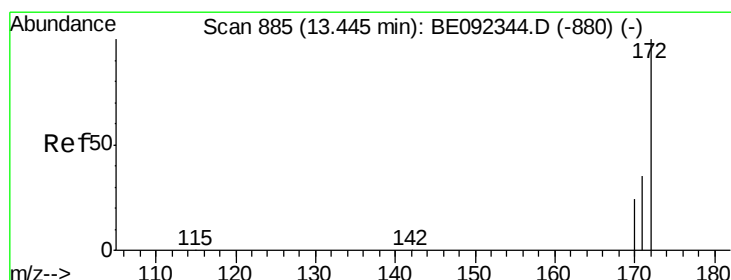
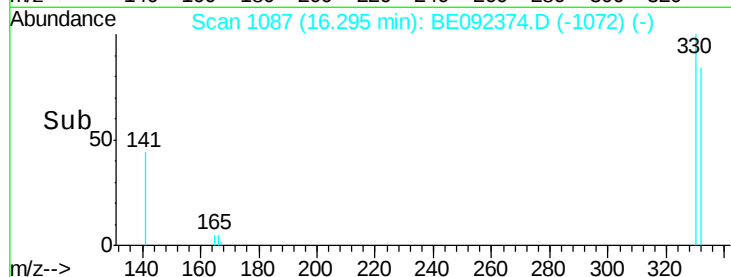
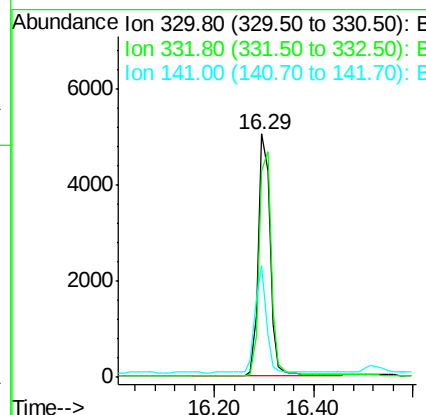
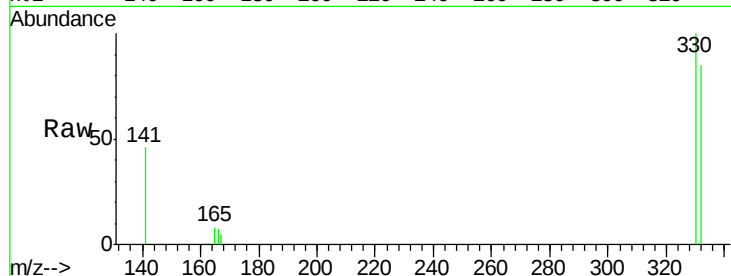
#13
 2,4,6-Tribromophenol
 Concen: 9.70 ng
 RT: 16.29 min Scan# 1087
 Delta R.T. -0.02 min
 Lab File: BE092374.D
 Acq: 12 Sep 2016 16:33

Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-004

Tgt Ion: 330 Resp: 8426
 Ion Ratio Lower Upper
 330 100
 332 95.9 75.4 113.0
 141 42.1 31.0 46.6

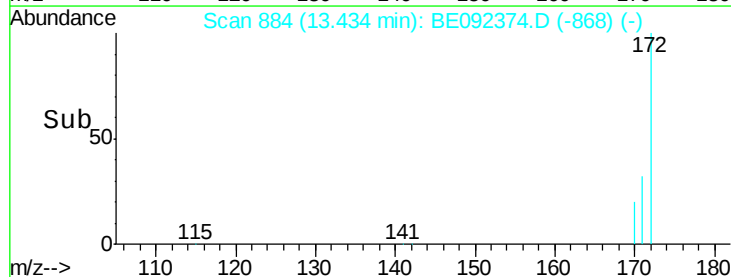
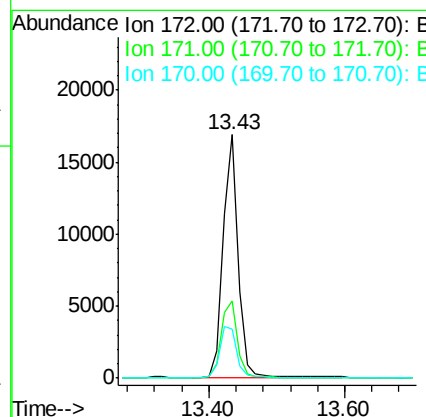
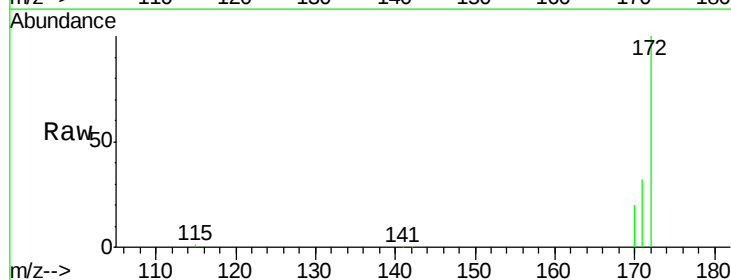
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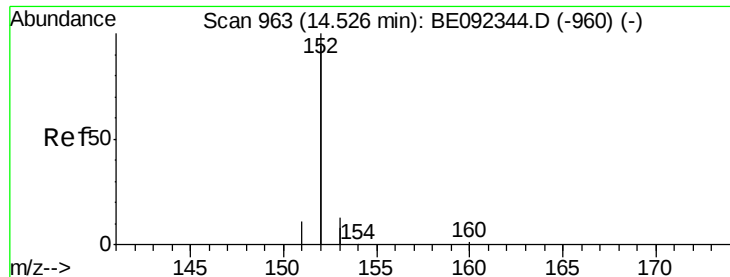
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#14
 2-Fluorobiphenyl
 Concen: 3.04 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092374.D
 Acq: 12 Sep 2016 16:33

Tgt Ion: 172 Resp: 26187
 Ion Ratio Lower Upper
 172 100
 171 31.8 30.1 45.1
 170 20.0 21.8 32.6#





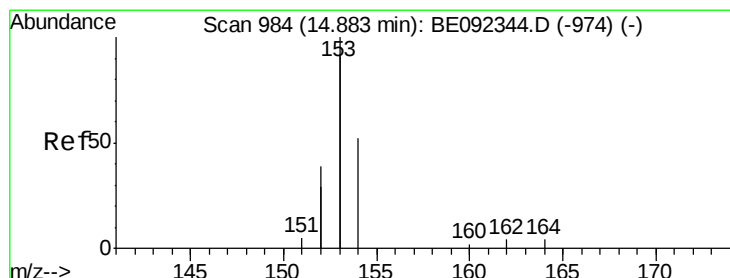
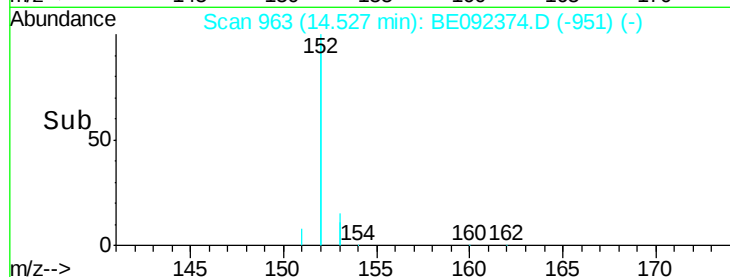
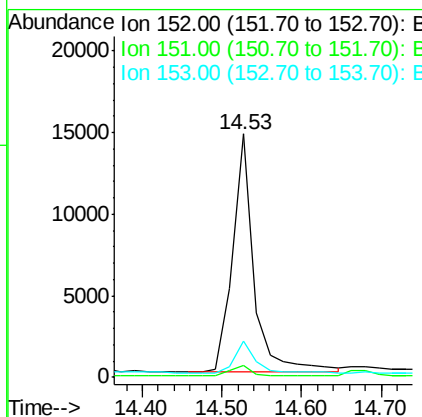
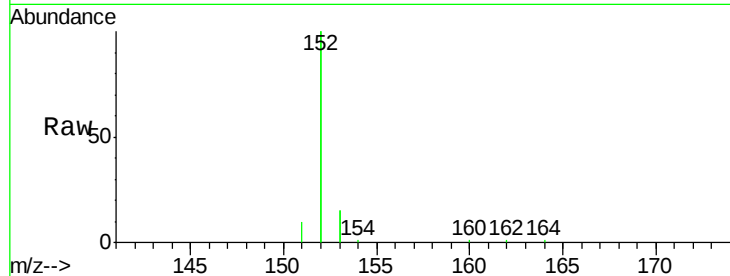
#15
Acenaphthylene
Concen: 0.55 ng
RT: 14.53 min Scan# 963
Delta R.T. 0.00 min
Lab File: BE092374.D
Acq: 12 Sep 2016 16:33

Instrument :
BNA_E
ClientSampleId :
NC-TS-004

Tgt Ion	Ratio	Lower	Upper
152	100		
151	5.1	3.9	5.9
153	13.2	10.4	15.6

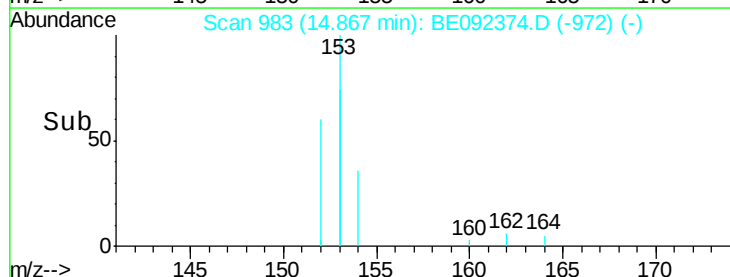
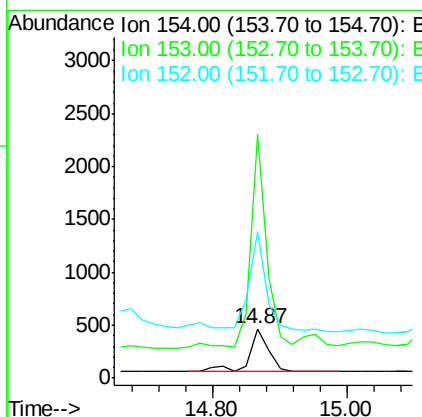
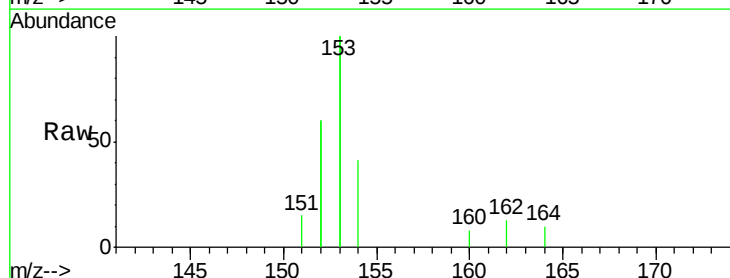
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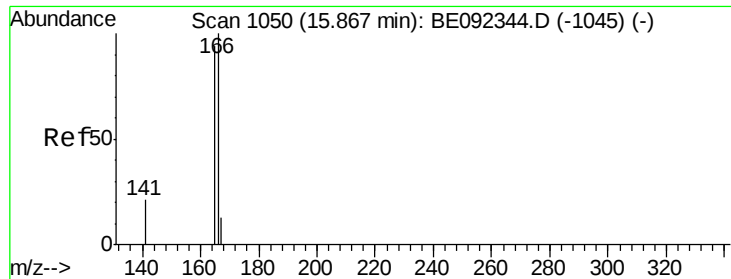
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#16
Acenaphthene
Concen: 0.11 ng
RT: 14.87 min Scan# 983
Delta R.T. -0.02 min
Lab File: BE092374.D
Acq: 12 Sep 2016 16:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	370.9	350.8	526.2
152	200.1	171.1	256.7





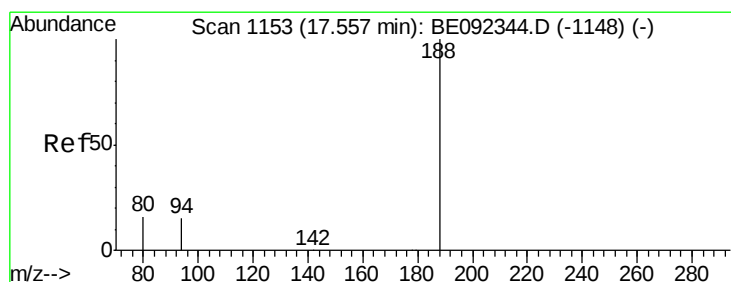
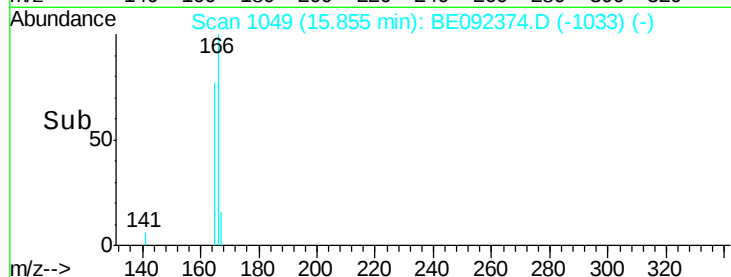
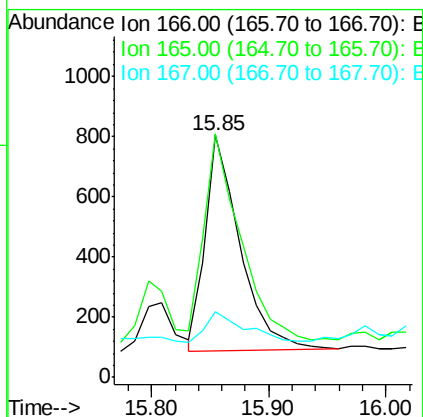
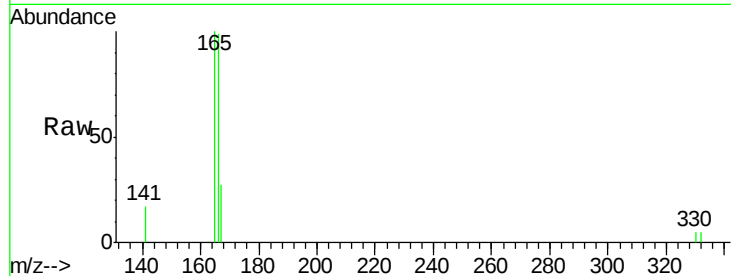
#17
Fluorene
Concen: 0.15 ng
RT: 15.85 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BE092374.D
Acq: 12 Sep 2016 16:33

Instrument :
BNA_E
ClientSampleId :
NC-TS-004

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.8	78.2	117.4
167	15.9	11.0	16.4

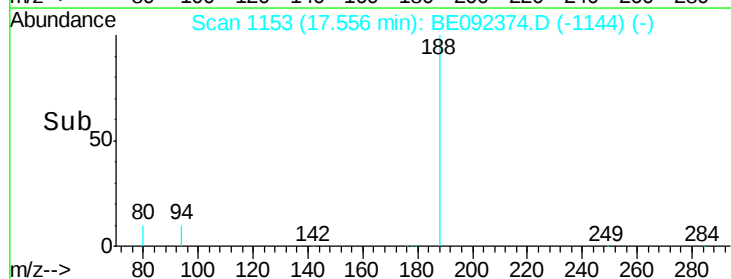
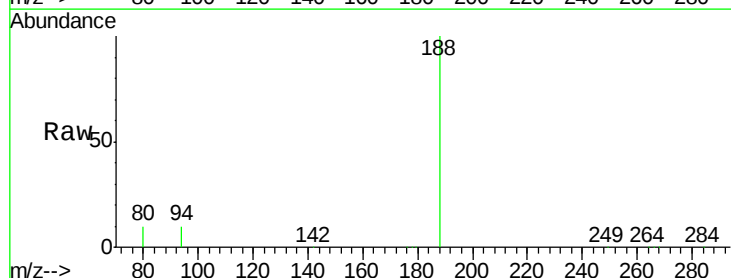
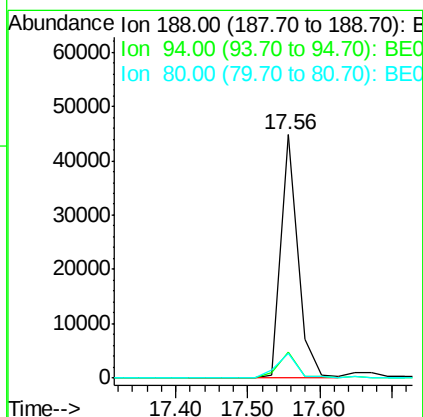
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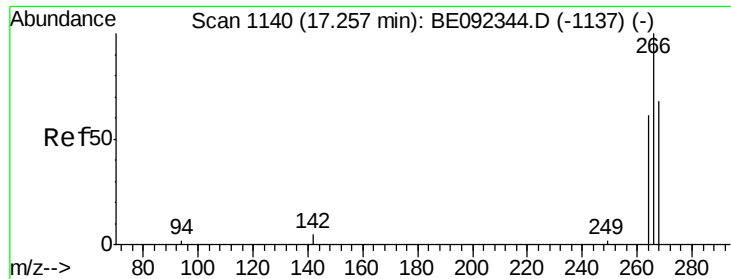
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#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.56 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE092374.D
Acq: 12 Sep 2016 16:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	3.2	4.8#
80	9.9	2.6	3.8#





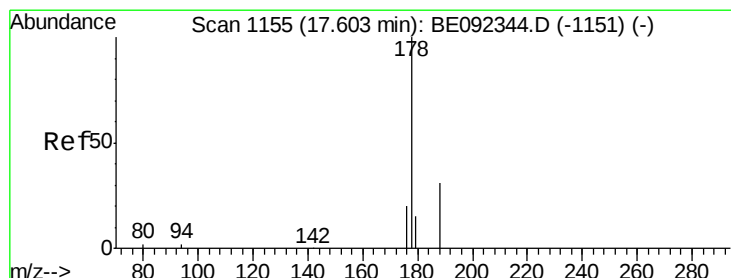
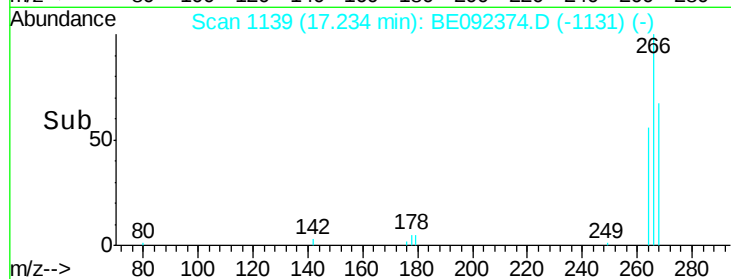
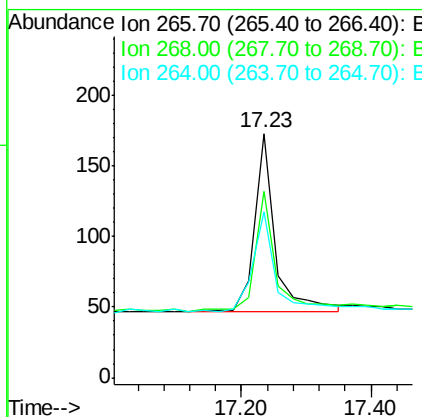
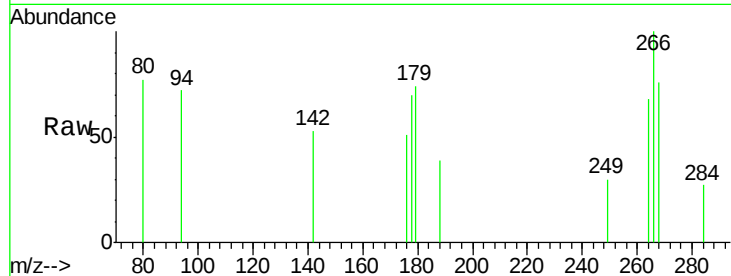
#20
 Pentachlorophenol
 Concen: 0.43 ng
 RT: 17.23 min Scan# 1139
 Delta R.T. -0.02 min
 Lab File: BE092374.D
 Acq: 12 Sep 2016 16:33

Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-004

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	281		
268	76.3	62.5	93.7	
264	68.2	57.2	85.8	

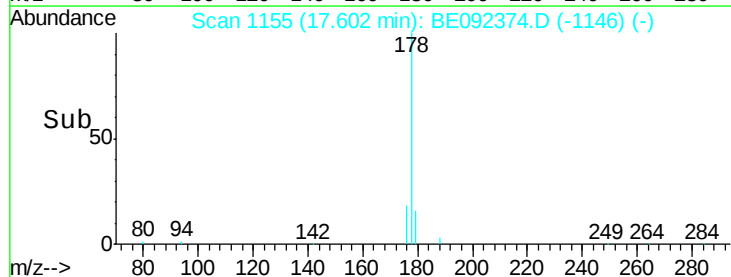
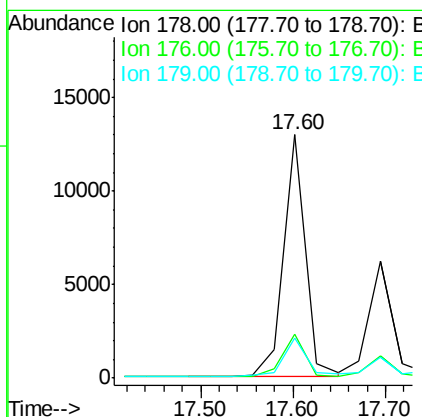
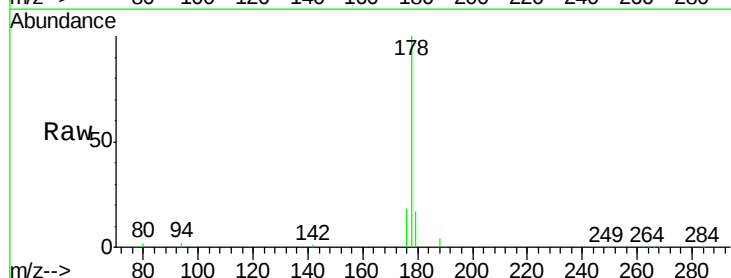
Manual Integrations
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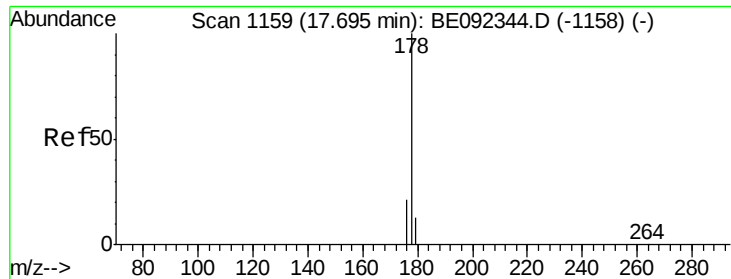
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#21
 Phenanthrene
 Concen: 1.02 ng
 RT: 17.60 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BE092374.D
 Acq: 12 Sep 2016 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	21124		
176	19.0	15.8	23.8	
179	16.8	16.0	24.0	





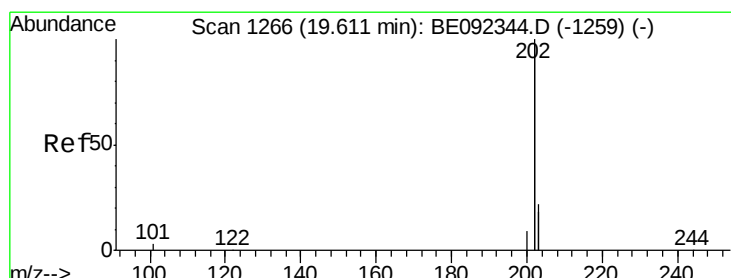
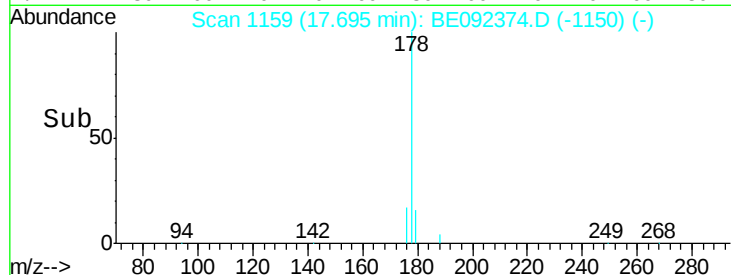
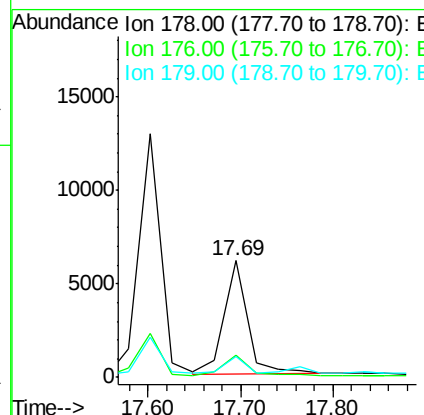
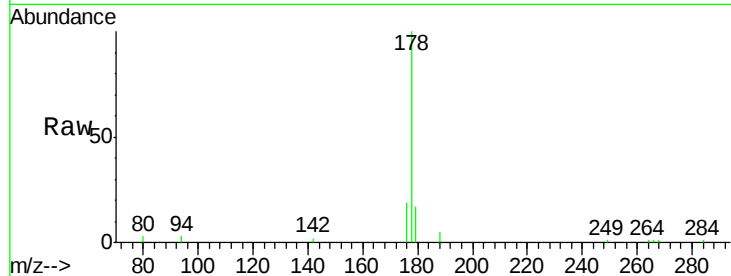
#22
 Anthracene
 Concen: 0.59 ng
 RT: 17.69 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: BE092374.D
 Acq: 12 Sep 2016 16:33

Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-004

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	10797		
176	17.9	15.0	22.4	
179	15.2	12.2	18.2	

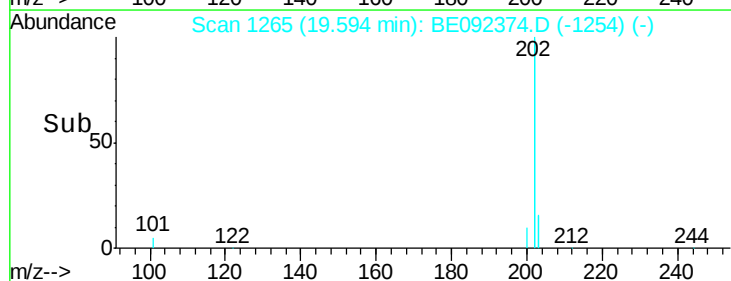
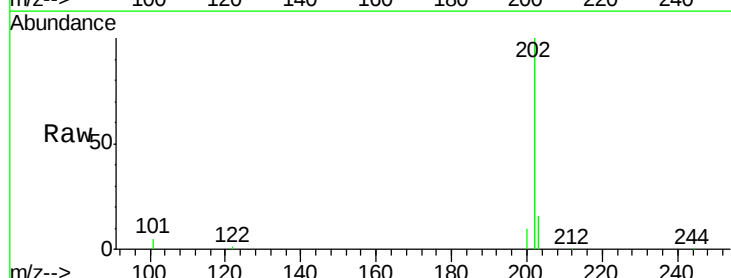
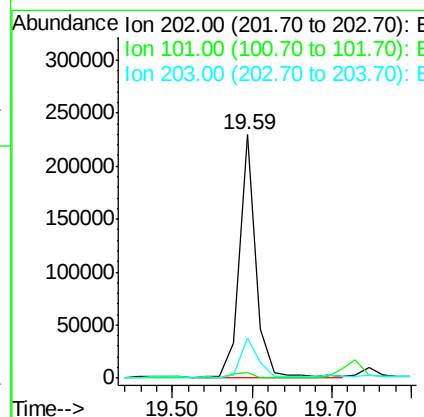
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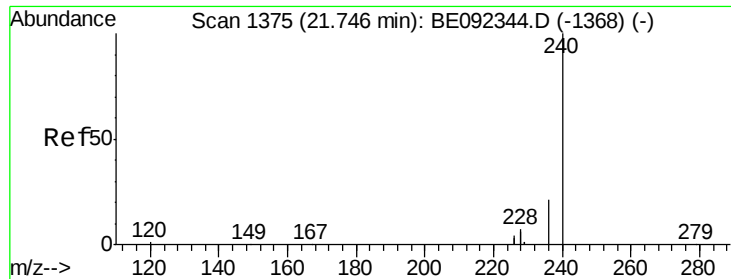
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#23
 Fluoranthene
 Concen: 3.61 ng
 RT: 19.59 min Scan# 1265
 Delta R.T. -0.02 min
 Lab File: BE092374.D
 Acq: 12 Sep 2016 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	325097		
101	3.1	2.2	3.4	
203	17.2	13.7	20.5	





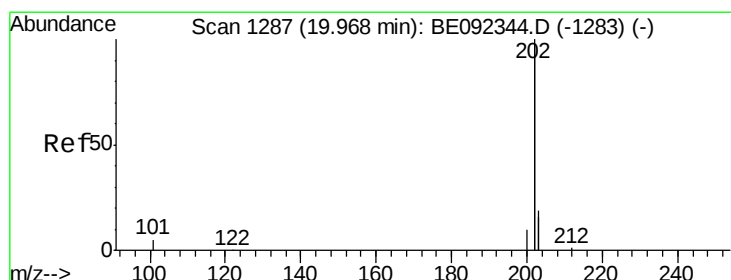
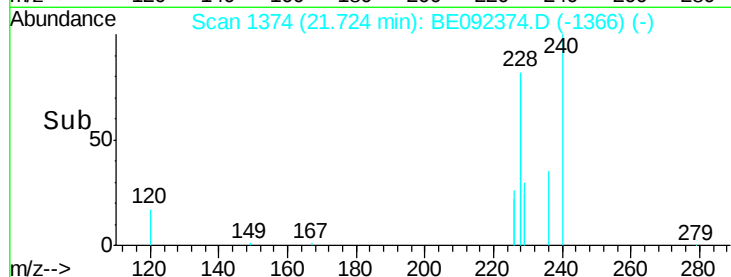
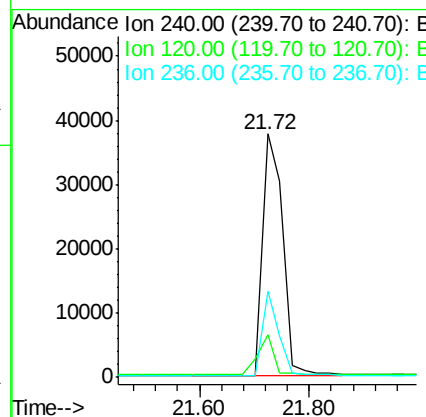
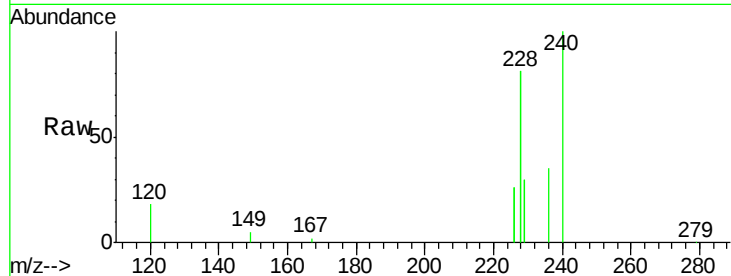
#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.72 min Scan# 1374
Delta R.T. -0.02 min
Lab File: BE092374.D
Acq: 12 Sep 2016 16:33

Instrument :
BNA_E
ClientSampleId :
NC-TS-004

Tgt Ion: 240 Resp: 97833
Ion Ratio Lower Upper
240 100
120 17.7 2.6 4.0#
236 35.5 24.6 37.0

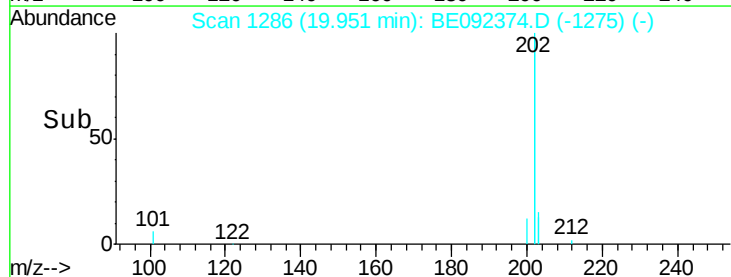
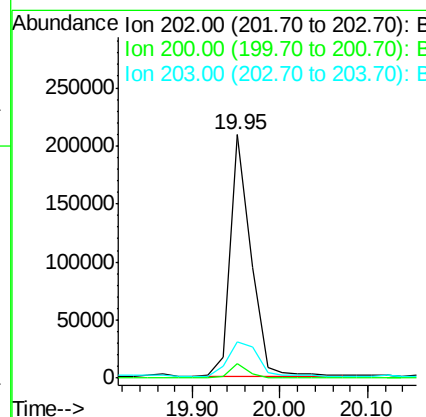
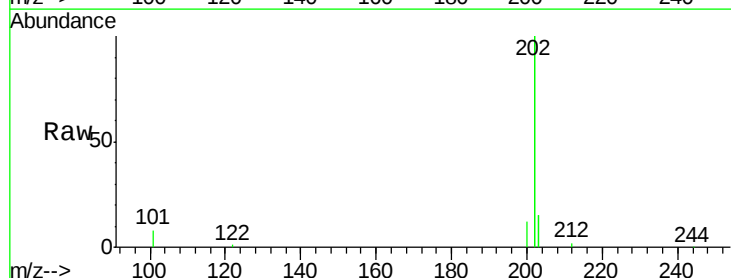
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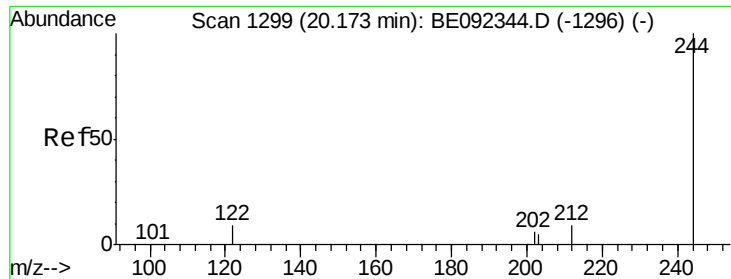
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#25
Pyrene
Concen: 3.62 ng
RT: 19.95 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BE092374.D
Acq: 12 Sep 2016 16:33

Tgt Ion: 202 Resp: 344159
Ion Ratio Lower Upper
202 100
200 5.3 4.2 6.4
203 21.7 13.9 20.9#





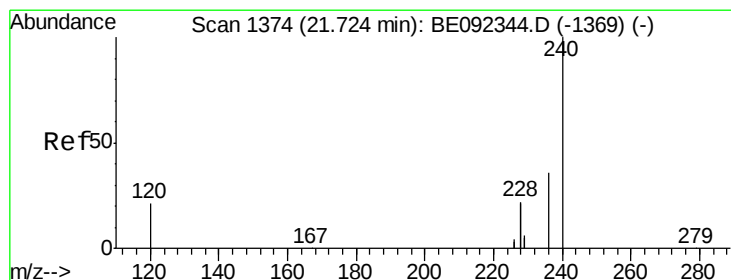
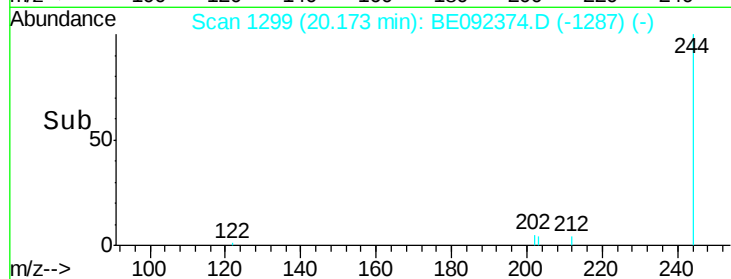
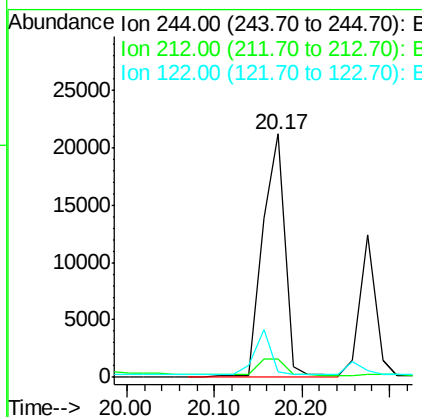
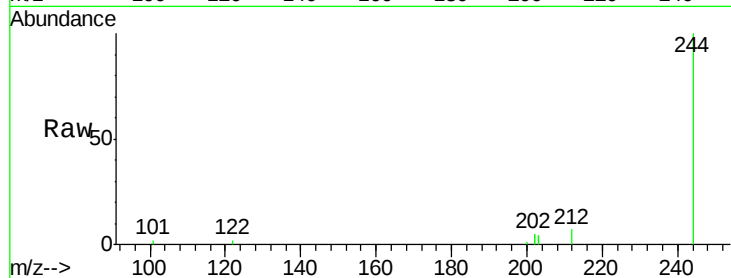
#26
 Terphenyl-d14
 Concen: 2.56 ng
 RT: 20.17 min Scan# 1299
 Delta R.T. -0.00 min
 Lab File: BE092374.D
 Acq: 12 Sep 2016 16:33

Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-004

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	37014		
212	7.4	6.7	10.1	
122	2.3	3.6	5.4	

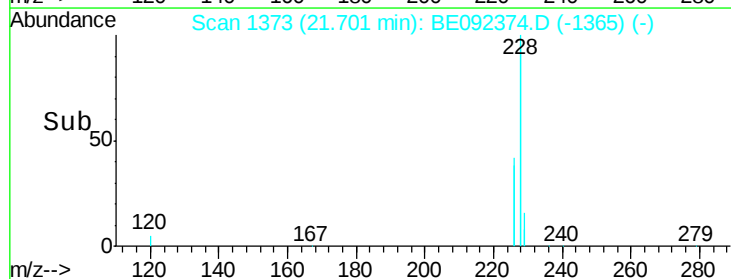
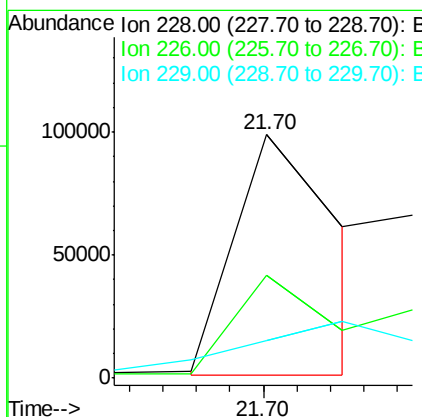
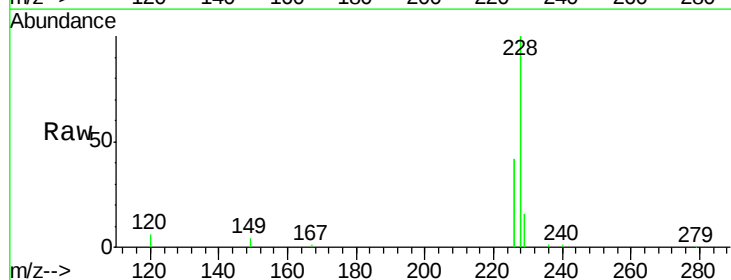
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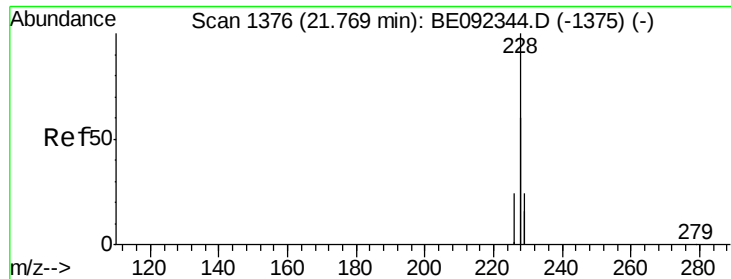
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#27
 Benzo(a)anthracene
 Concen: 2.04 ng m
 RT: 21.70 min Scan# 1373
 Delta R.T. -0.02 min
 Lab File: BE092374.D
 Acq: 12 Sep 2016 16:33

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	214871		
226	42.4	23.6	35.4	
229	15.7	13.3	19.9	





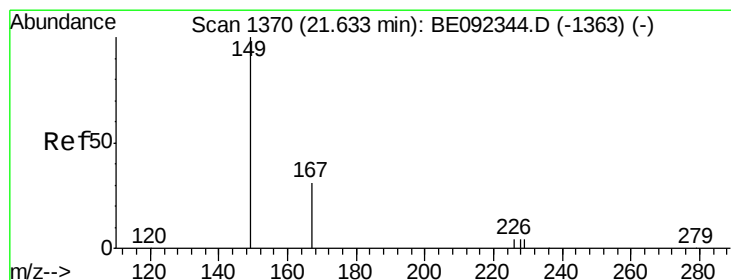
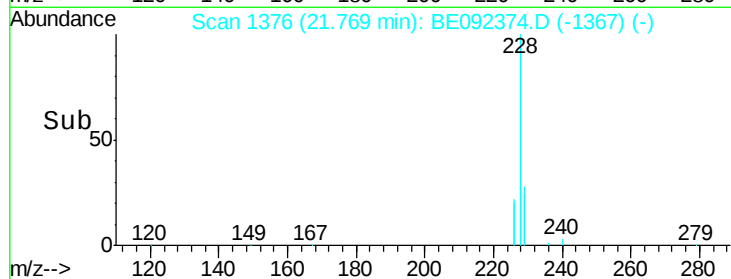
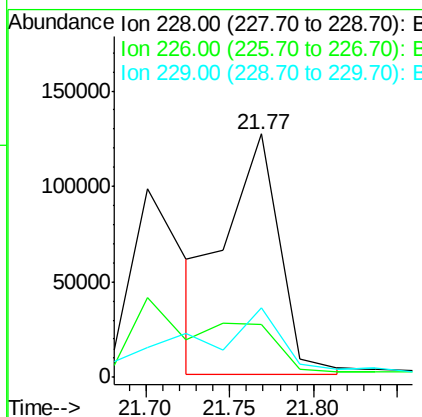
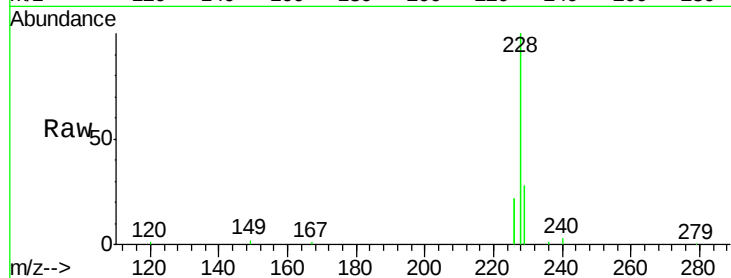
#28
Chrysene
Concen: 2.75 ng m
RT: 21.77 min Scan# 1376
Delta R.T. 0.00 min
Lab File: BE092374.D
Acq: 12 Sep 2016 16:33

Instrument :
BNA_E
ClientSampleId :
NC-TS-004

Tgt Ion	Ratio	Lower	Upper
228	100		
226	21.7	36.3	54.5#
229	28.4	10.6	16.0#

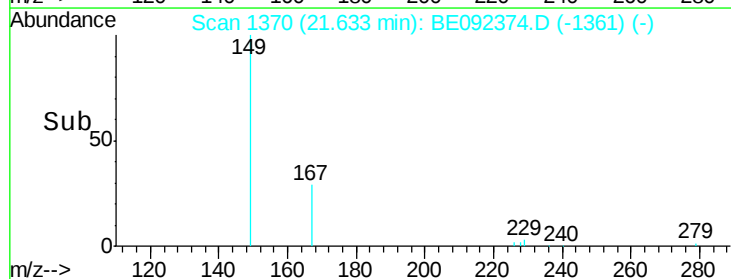
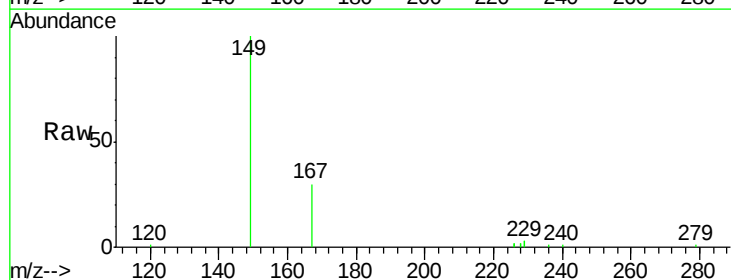
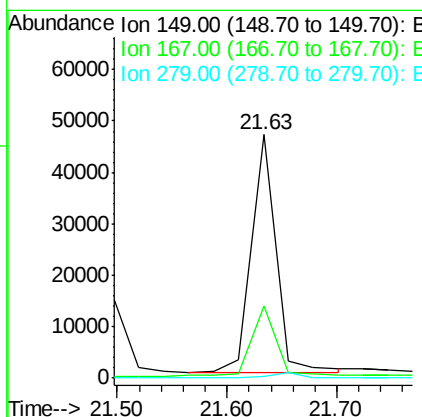
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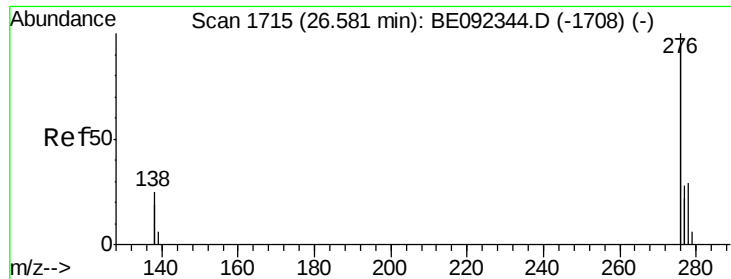
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#29
Bis(2-ethylhexyl)phthalate
Concen: Below Cal
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092374.D
Acq: 12 Sep 2016 16:33

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.4	16.0	24.0#
279	0.0	16.0	24.0#





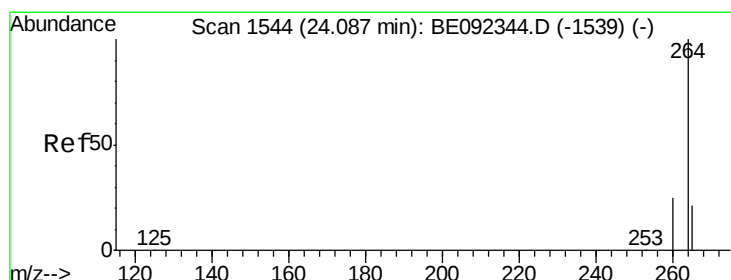
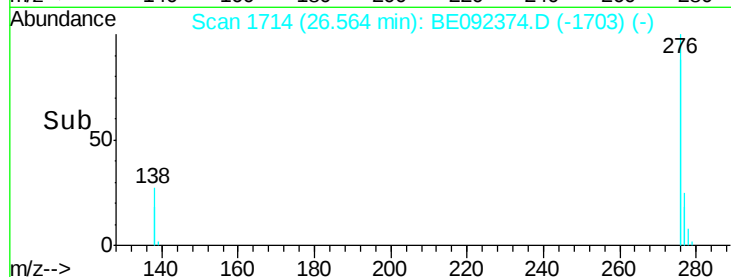
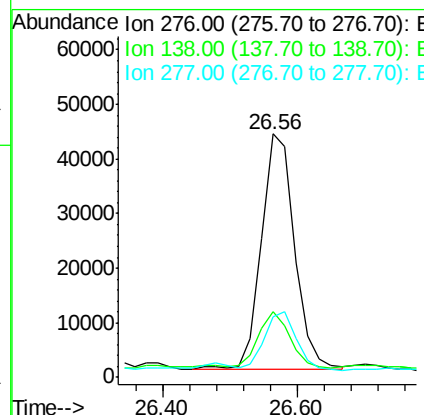
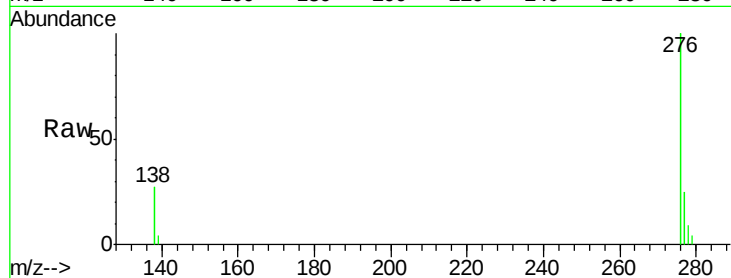
#30
 Indeno(1,2,3-cd)pyrene
 Concen: 1.32 ng
 RT: 26.56 min Scan# 1714
 Delta R.T. -0.02 min
 Lab File: BE092374.D
 Acq: 12 Sep 2016 16:33

Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-004

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	23.5	20.3	30.5
277	23.8	19.7	29.5

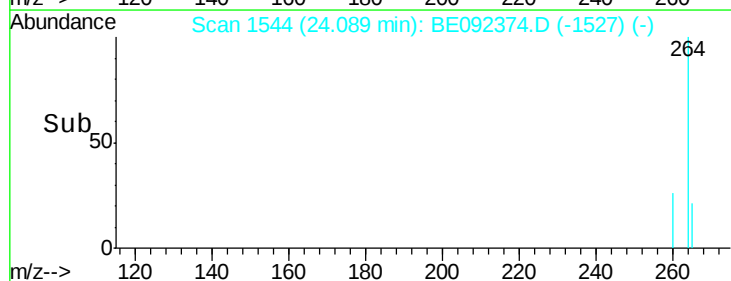
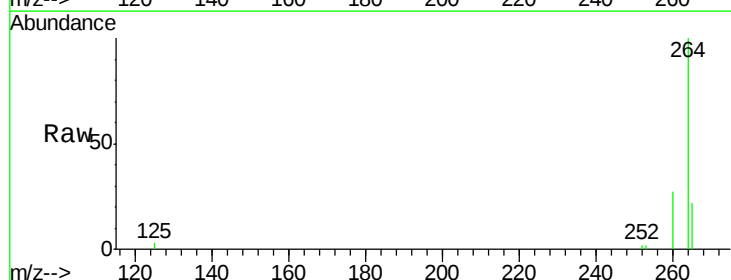
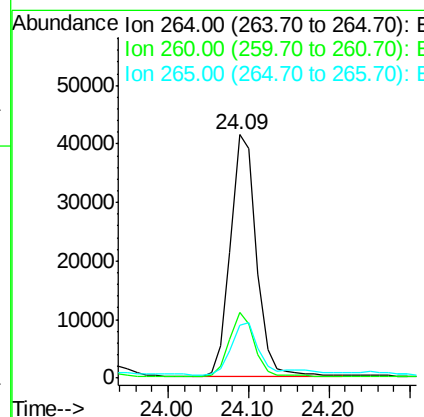
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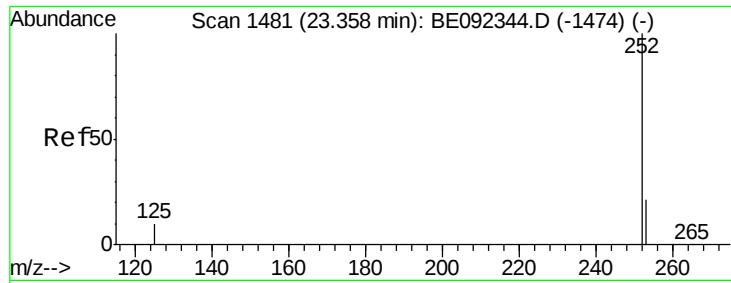
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#31
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.09 min Scan# 1544
 Delta R.T. 0.00 min
 Lab File: BE092374.D
 Acq: 12 Sep 2016 16:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	26.8	20.1	30.1
265	21.8	17.9	26.9





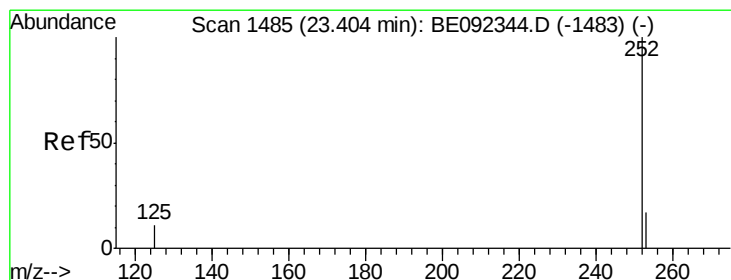
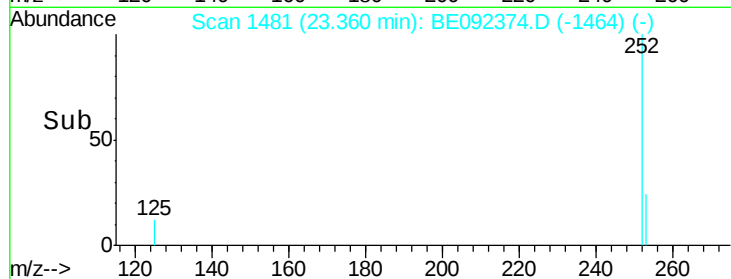
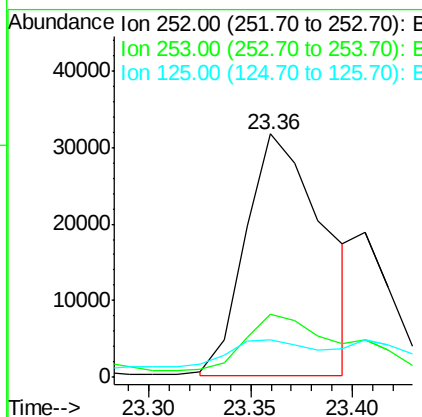
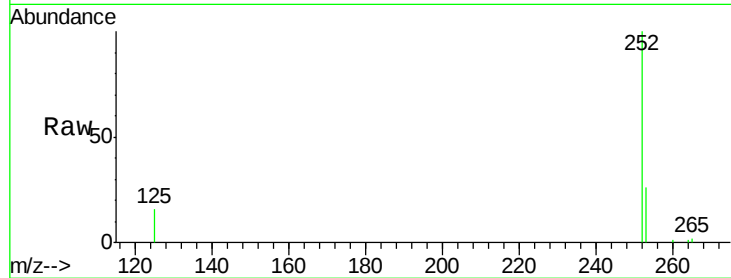
#32
Benzo(b)fluoranthene
Concen: 3.52 ng m
RT: 23.36 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE092374.D
Acq: 12 Sep 2016 16:33

Instrument :
BNA_E
ClientSampleId :
NC-TS-004

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.7	28.1
125	15.6	10.5	15.7

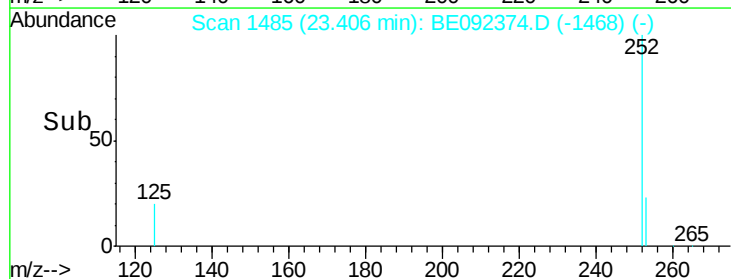
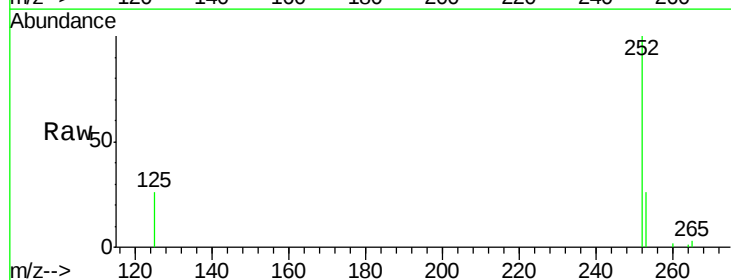
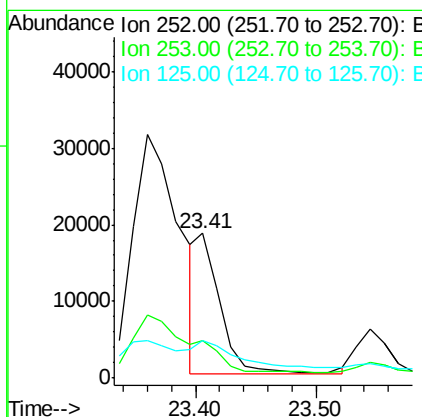
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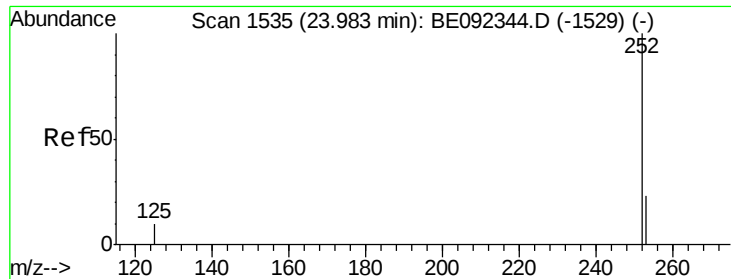
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#33
Benzo(k)fluoranthene
Concen: 1.03 ng m
RT: 23.41 min Scan# 1485
Delta R.T. 0.00 min
Lab File: BE092374.D
Acq: 12 Sep 2016 16:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	20.3	30.5
125	26.0	9.6	14.4#





#34

Benzo(a)pyrene

Concen: 2.25 ng

RT: 23.98 min Scan# 1535

Delta R.T. 0.00 min

Lab File: BE092374.D

Acq: 12 Sep 2016 16:33

Instrument :

BNA_E

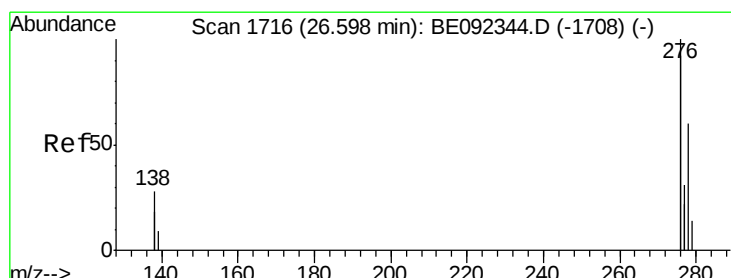
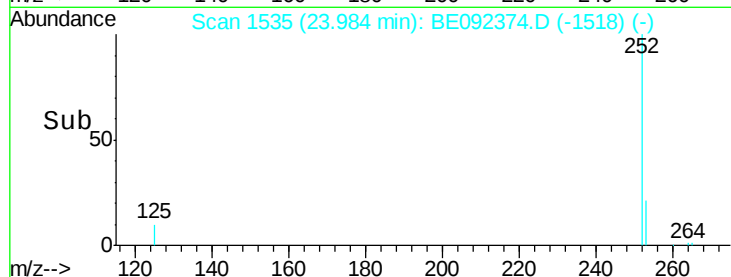
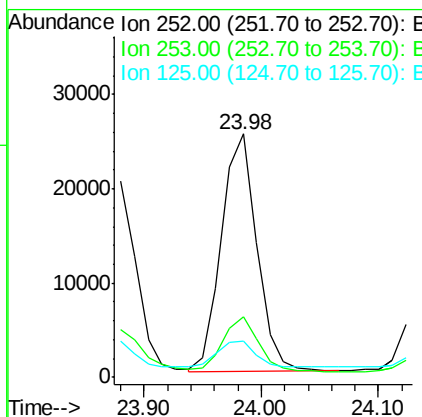
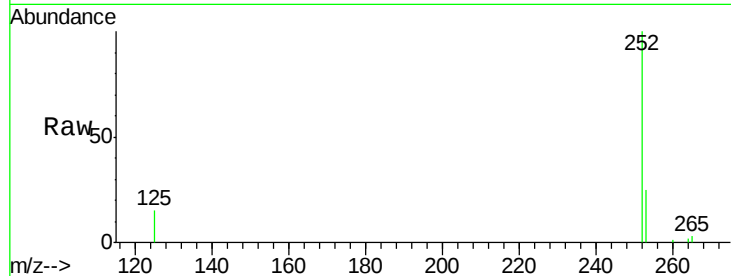
ClientSampleId :

NC-TS-004

Tgt Ion:	252	Resp:	52862
Ion Ratio	Lower	Upper	
252	100		
253	25.1	19.0	28.6
125	14.7	11.8	17.8

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#35

Dibenzo(a,h)anthracene

Concen: 0.41 ng

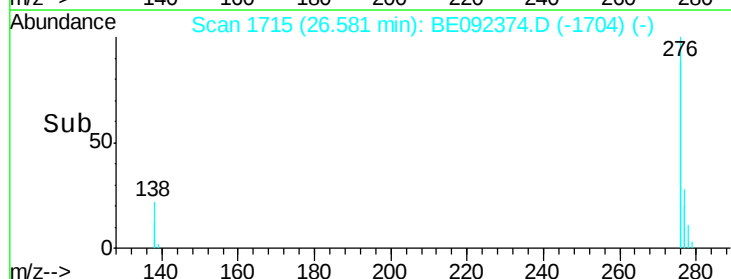
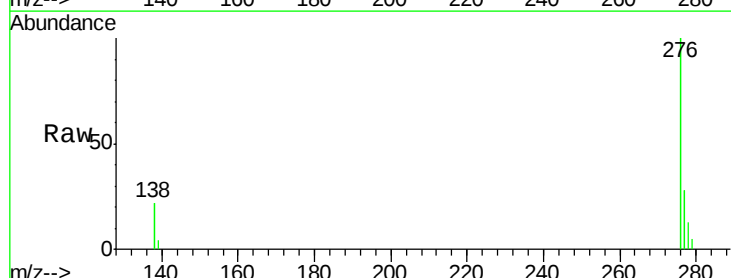
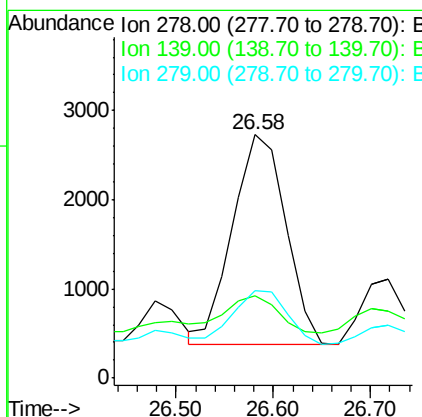
RT: 26.58 min Scan# 1715

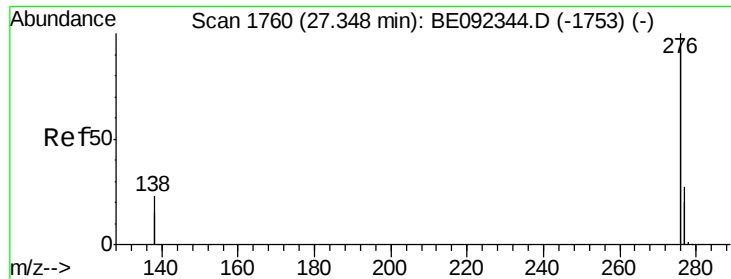
Delta R.T. -0.02 min

Lab File: BE092374.D

Acq: 12 Sep 2016 16:33

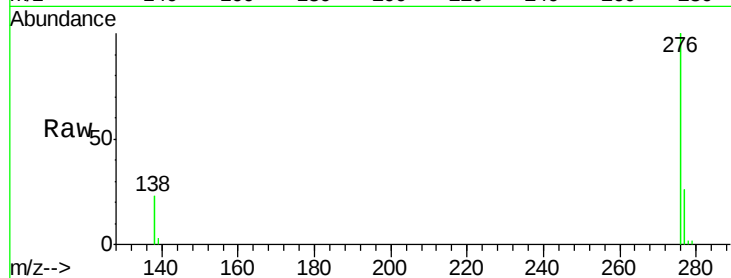
Tgt Ion:	278	Resp:	8917
Ion Ratio	Lower	Upper	
278	100		
139	33.9	13.8	20.8#
279	35.9	21.4	32.2#





#36
 Benzo(g,h,i)perylene
 Concen: 1.70 ng
 RT: 27.35 min Scan# 1760
 Delta R.T. 0.00 min
 Lab File: BE092374.D
 Acq: 12 Sep 2016 16:33

Instrument :
 BNA_E
 ClientSampleId :
 NC-TS-004



Tgt	Ion	276	Resp	155752
Ion	Ratio	Lower	Upper	
276	100			
277	26.2	19.8	29.8	
138	23.4	19.8	29.6	

Manual Integrations
 APPROVED

umangi
 9/13/2016 6:57:17 AM

