

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052316\
 Data File : BE091851.D
 Acq On : 23 May 2016 17:30
 Operator : UM/SJ
 Sample : H3156-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SP-001-160517MSD

Manual Integrations
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Quant Time: May 24 05:19:33 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 15:36:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	28984	5.00	ng	-0.02
7) Naphthalene-d8	10.55	136	159938	5.00	ng	-0.02
13) Acenaphthene-d10	14.39	164	104212	5.00	ng	-0.03
19) Phenanthrene-d10	17.14	188	276206	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	302213	5.00	ng	-0.02
35) Perylene-d12	23.73	264	263835	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	58564	7.73	ng	0.00
5) Phenol-d6	6.95	99	100711	9.44	ng	0.00
8) Nitrobenzene-d5	8.93	82	50468	4.76	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	37172	9.19	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	133225	4.52	ng	-0.01
29) Terphenyl-d14	19.74	244	203864	4.77	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.31	88	11431	3.61	ng	96
3) n-Nitrosodimethylamine	3.61	42	20229	4.37	ng	100
6) bis(2-Chloroethyl)ether	7.20	93	38803	4.53	ng	# 78
9) Nitrobenzene	8.97	77	52381	4.81	ng	92
10) Naphthalene	10.61	128	174758	4.94	ng	97
11) Hexachlorobutadiene	10.90	225	23803	4.54	ng	97
12) 2-Methylnaphthalene	12.21	142	113595	4.77	ng	99
16) Acenaphthylene	14.11	152	207374	4.46	ng	# 85
17) Acenaphthene	14.46	154	142640	5.10	ng	94
18) Fluorene	15.43	166	167384	4.62	ng	98
20) 4-Bromophenyl-phenylether	16.31	248	44168	4.28	ng	94
21) Hexachlorobenzene	16.45	284	44343m	4.13	ng	
22) Pentachlorophenol	16.78	266	46494	10.46	ng	# 85
23) Phenanthrene	17.17	178	676542	12.63	ng	99
24) Anthracene	17.26	178	323709	5.39	ng	96
25) Fluoranthene	19.19	202	1495892	20.38	ng	97
27) Benzidine	19.36	184	20213	1.09	ng	# 82
28) Pyrene	19.55	202	1341379	20.23	ng	# 95
30) Benzo(a)anthracene	21.27	228	983391m	13.49	ng	
31) 3,3'-Dichlorobenzidine	21.22	252	56612	1.22	ng	# 77
32) Chrysene	21.31	228	796121m	12.66	ng	
33) Bis(2-ethylhexyl)phthalate	21.20	149	164705	4.01	ng	# 83
34) Indeno(1,2,3-cd)pyrene	26.27	276	767594	10.27	ng	# 92
36) Benzo(b)fluoranthene	22.98	252	1253424m	18.99	ng	
37) Benzo(k)fluoranthene	23.02	252	516236m	7.64	ng	
38) Benzo(a)pyrene	23.61	252	865202	13.73	ng	97
39) Dibenzo(a,h)anthracene	26.29	278	355939	5.79	ng	96
40) Benzo(g,h,i)perylene	27.06	276	718170	11.32	ng	96

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

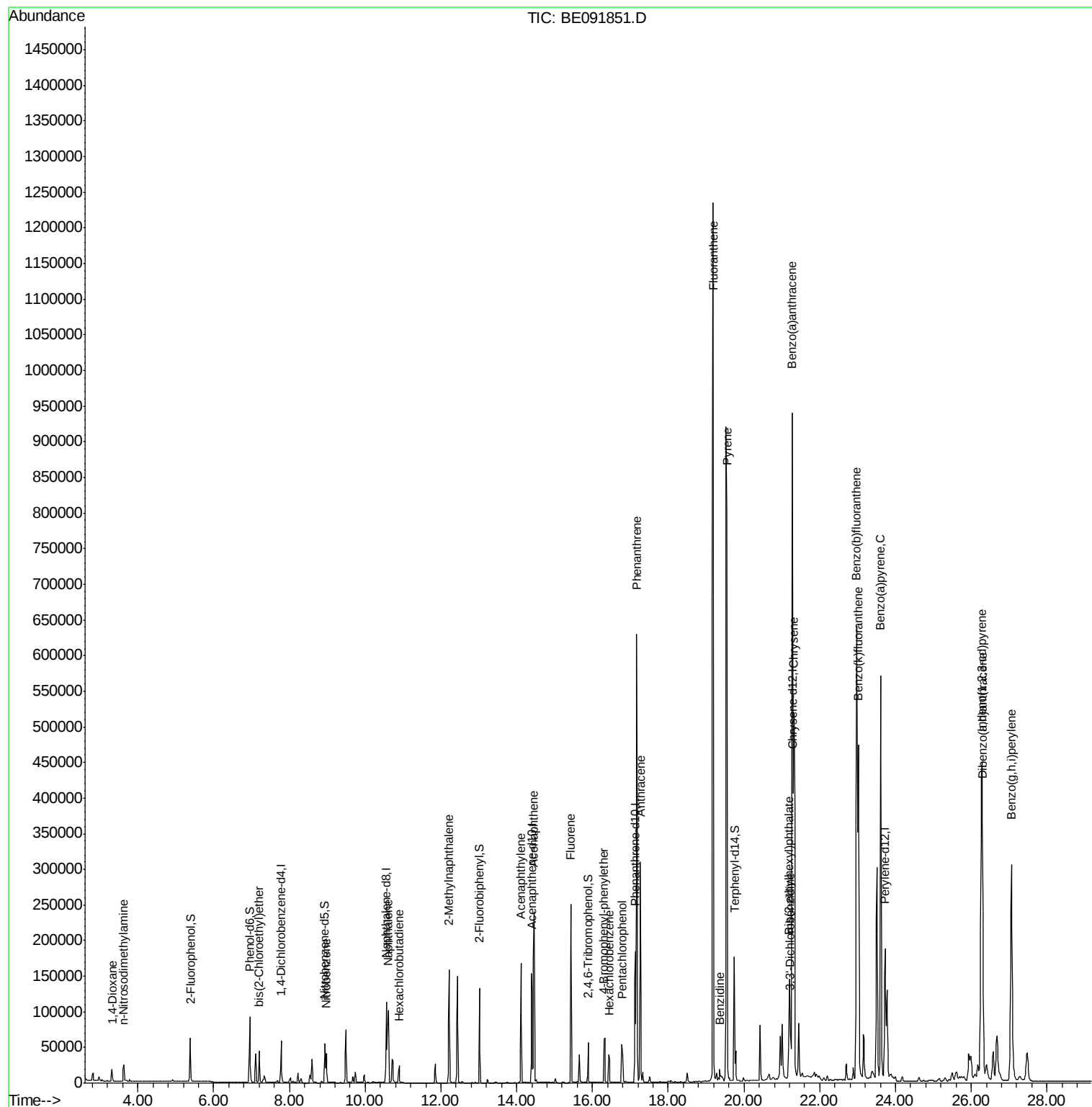
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052316\
Data File : BE091851.D
Acq On : 23 May 2016 17:30
Operator : UM/SJ
Sample : H3156-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 15:36:49 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. -0.02 min

Lab File: BE091851.D

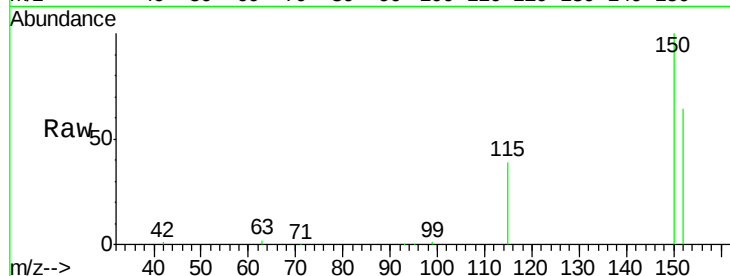
Acq: 23 May 2016 17:30

Instrument :

BNA_E

ClientSampleId :

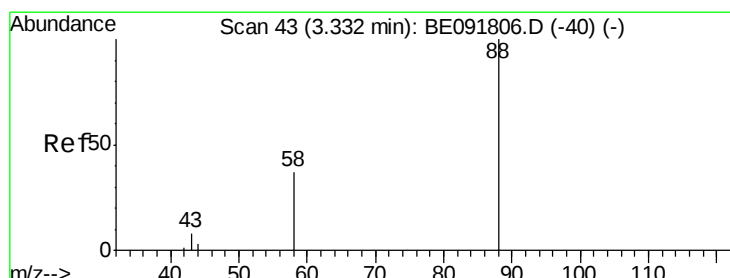
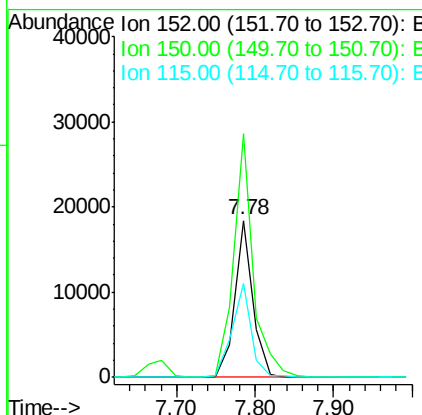
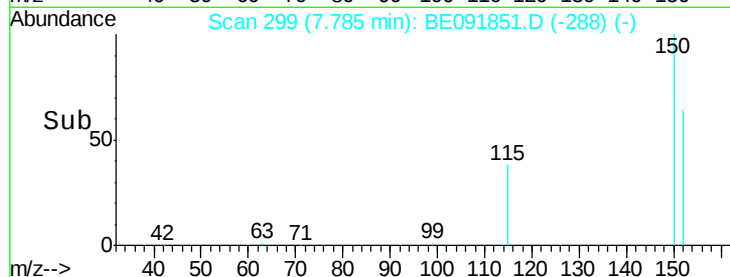
SP-001-160517MSD



Tgt Ion:	152	Resp:	28984
Ion Ratio	Lower	Upper	
152	100		
150	155.3	122.6	183.8
115	59.8	52.8	79.2

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#2

1,4-Dioxane

Concen: 3.61 ng

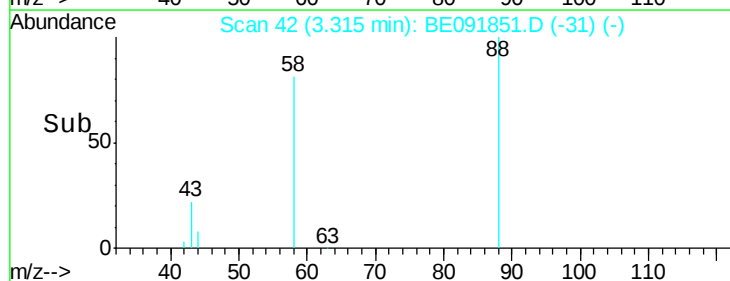
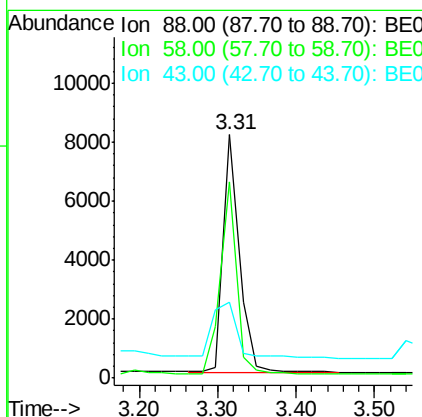
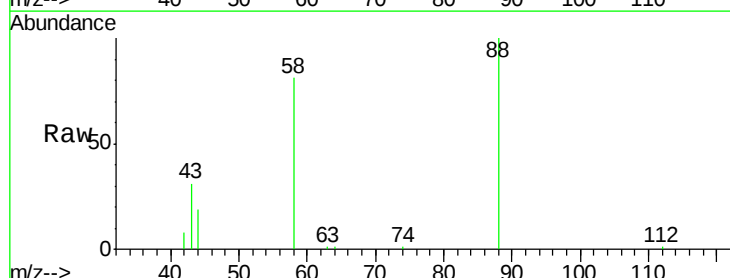
RT: 3.31 min Scan# 42

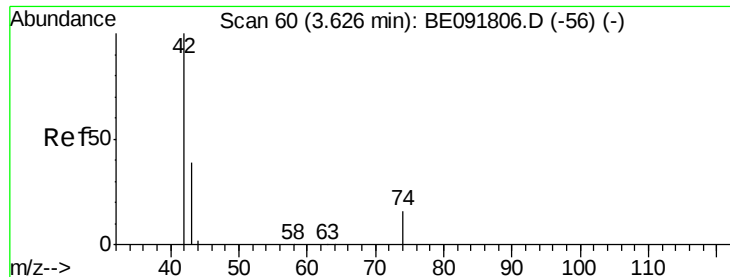
Delta R.T. -0.02 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Tgt Ion:	88	Resp:	11431
Ion Ratio	Lower	Upper	
88	100		
58	80.6	65.8	98.6
43	37.1	25.3	37.9





#3

n-Nitrosodimethylamine

Concen: 4.37 ng

RT: 3.61 min Scan# 59

Delta R.T. -0.02 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Instrument :

BNA_E

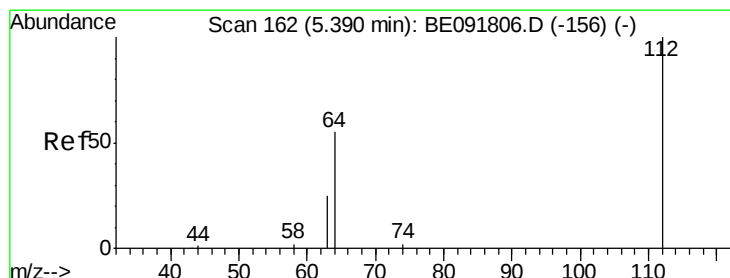
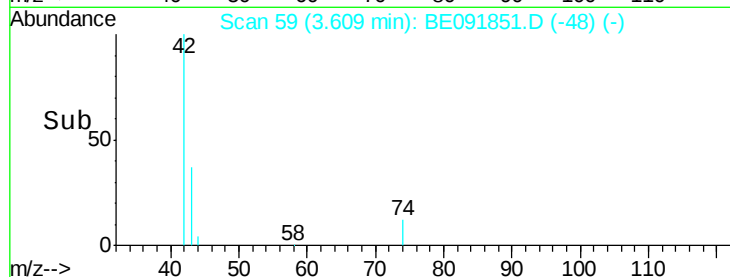
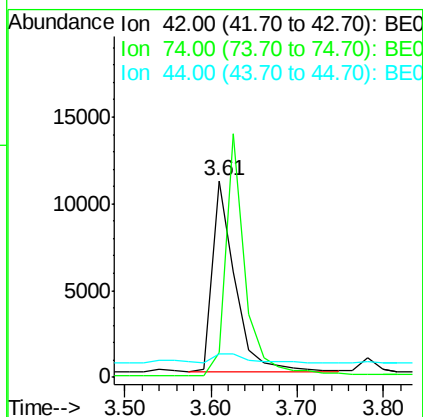
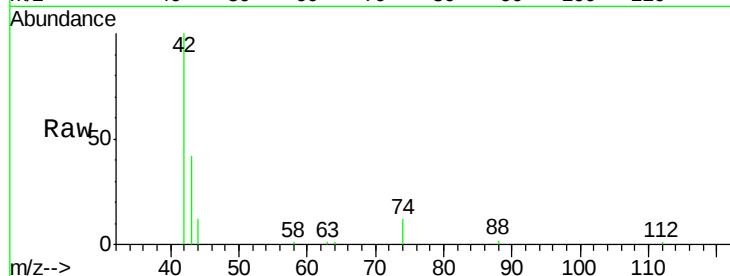
ClientSampleId :

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Tgt Ion:	42	Resp:	20229
Ion	Ratio	Lower	Upper
42	100		
74	109.7	87.9	131.9
44	7.2	6.6	9.8



#4

2-Fluorophenol

Concen: 7.73 ng

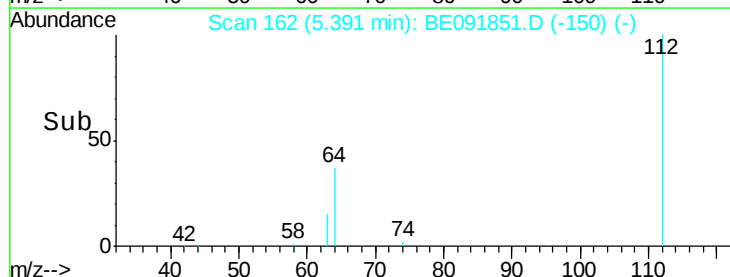
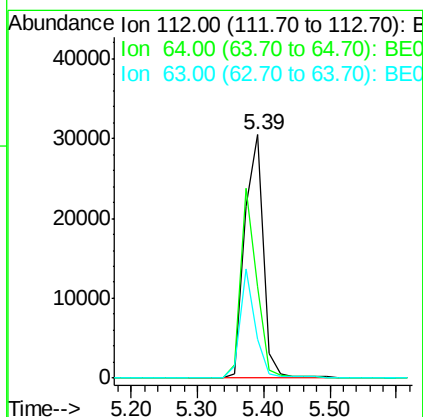
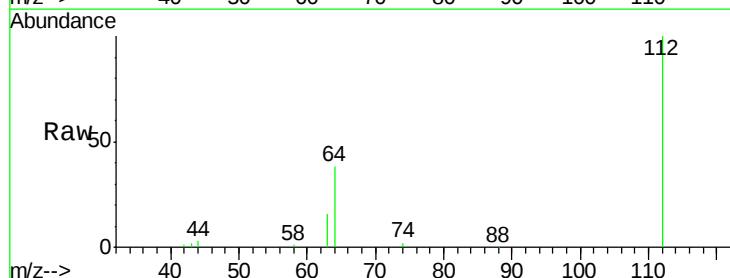
RT: 5.39 min Scan# 162

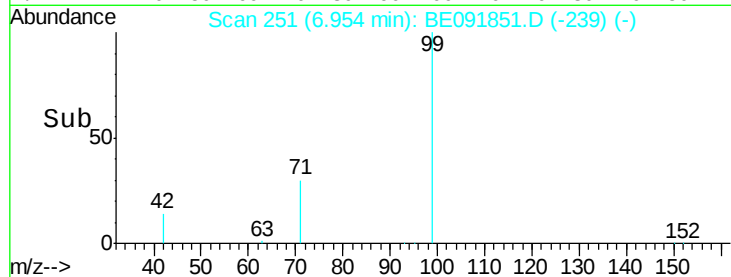
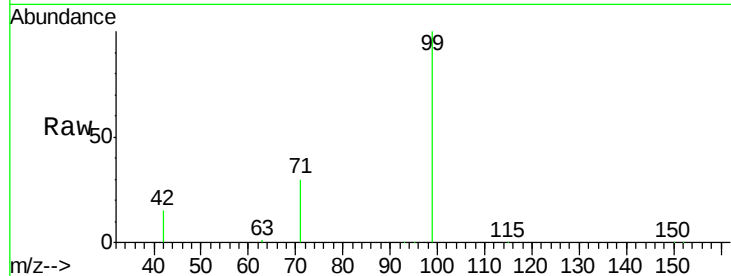
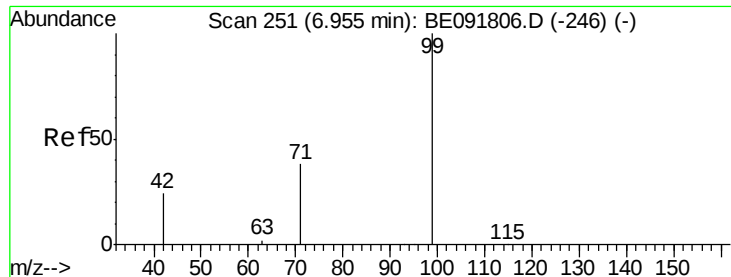
Delta R.T. 0.00 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Tgt Ion:	112	Resp:	58564
Ion	Ratio	Lower	Upper
112	100		
64	67.8	30.9	46.3#
63	36.4	16.7	25.1#





#5

Phenol-d6

Concen: 9.44 ng

RT: 6.95 min Scan# 251

Delta R.T. -0.00 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Tgt Ion:	99	Resp:	100711
Ion Ratio	Lower	Upper	
99	100		
42	23.2	16.2	24.2
71	35.2	29.0	43.4

Instrument :

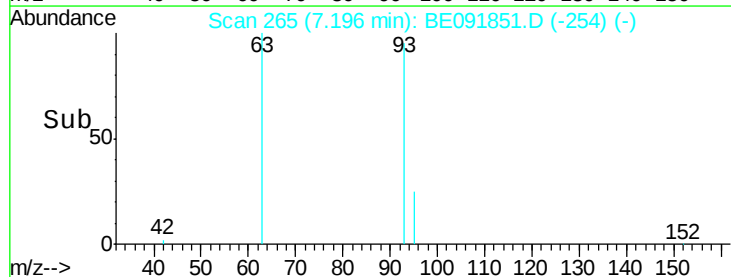
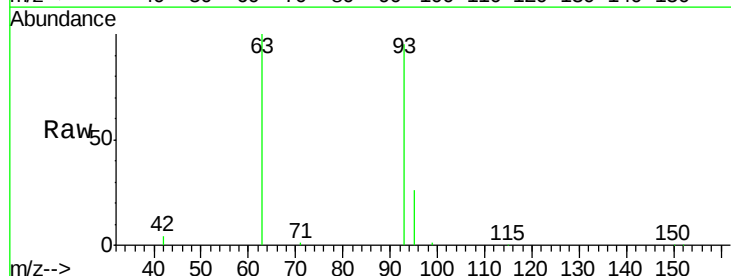
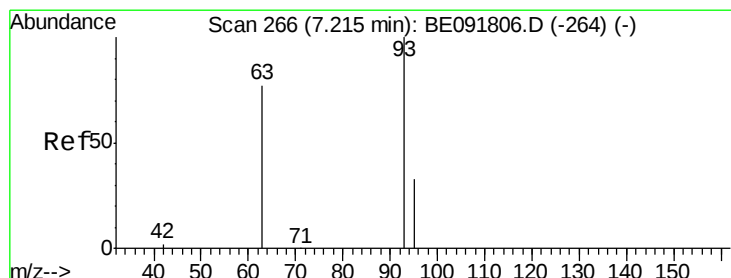
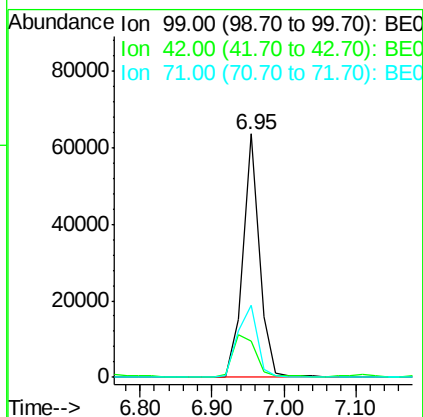
BNA_E

ClientSampleId :

SP-001-160517MSD

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#6

bis(2-Chloroethyl)ether

Concen: 4.53 ng

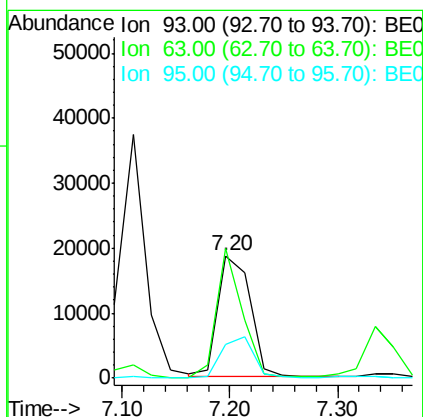
RT: 7.20 min Scan# 265

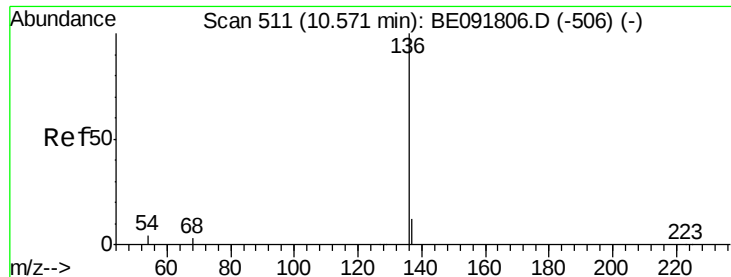
Delta R.T. -0.02 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Tgt Ion:	93	Resp:	38803
Ion Ratio	Lower	Upper	
93	100		
63	83.4	49.5	74.3#
95	32.1	22.2	33.4





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.55 min Scan# 510

Delta R.T. -0.02 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Instrument :

BNA_E

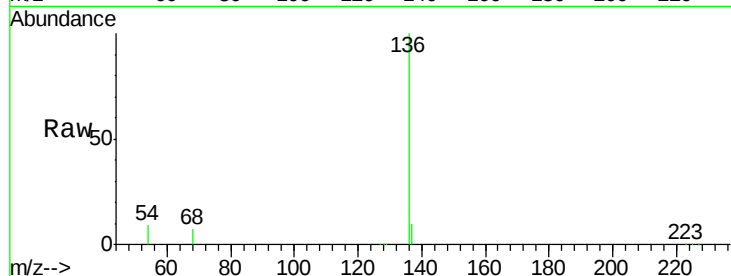
ClientSampleId :

SP-001-160517MSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	159938		
137	10.5	8.9	13.3	
54	9.1	8.2	12.4	
68	6.8	6.2	9.4	

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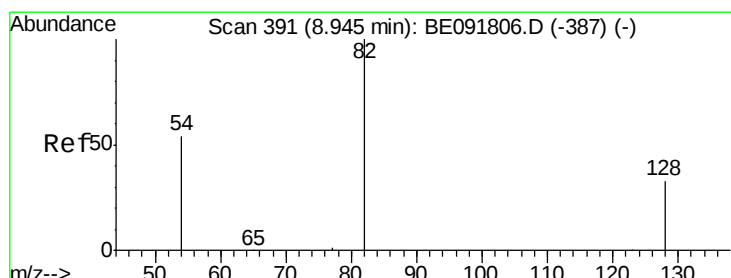
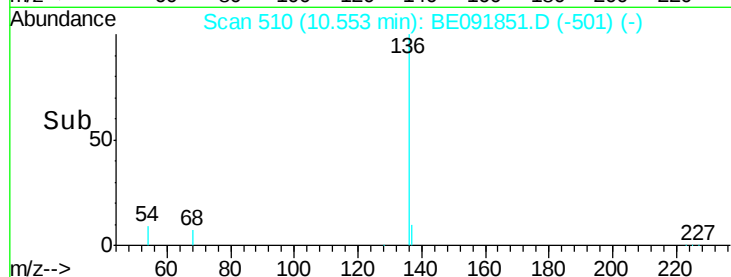
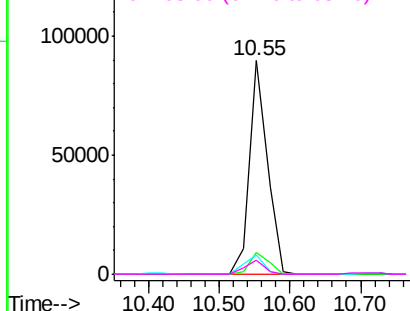


Abundance Ion 136.00 (135.70 to 136.70): E

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: 4.76 ng

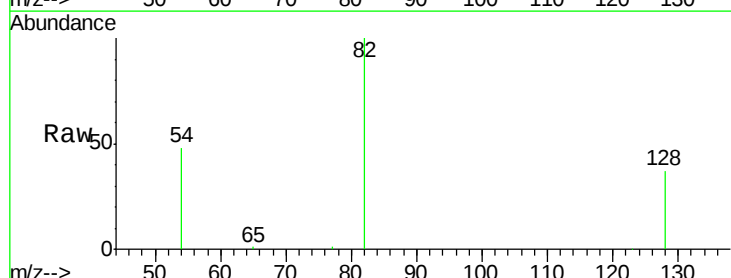
RT: 8.93 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

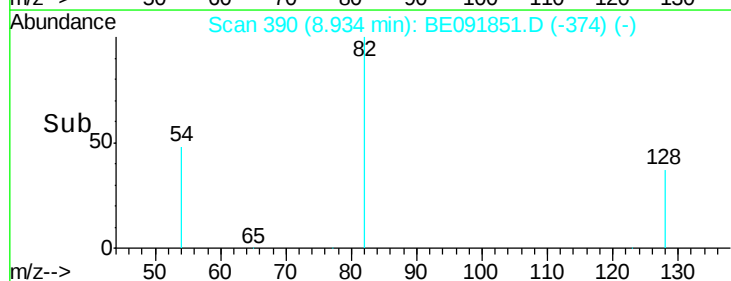
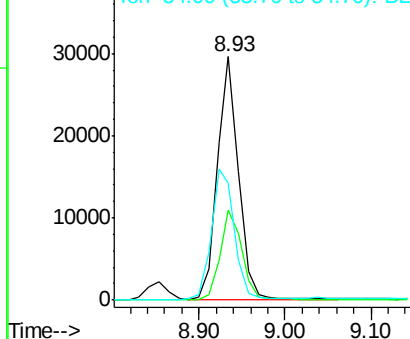
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	50468		
128	36.7	25.4	38.0	
54	47.9	48.4	72.6	

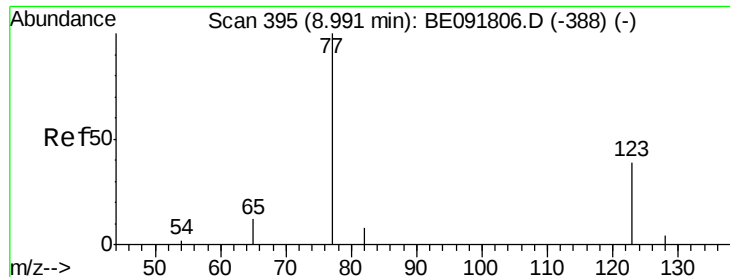


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 4.81 ng

RT: 8.97 min Scan# 393

Delta R.T. -0.02 min

Lab File: BE091851.D

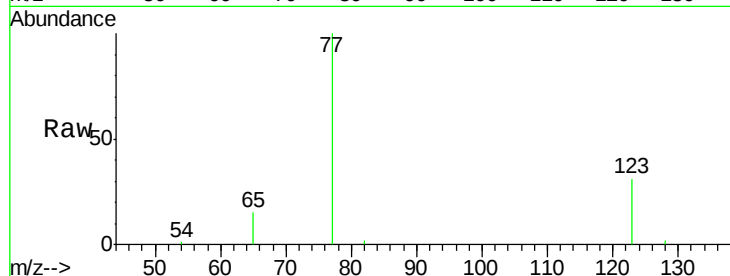
Acq: 23 May 2016 17:30

Instrument :

BNA_E

ClientSampleId :

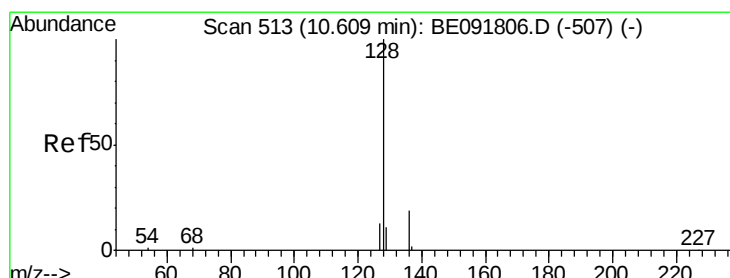
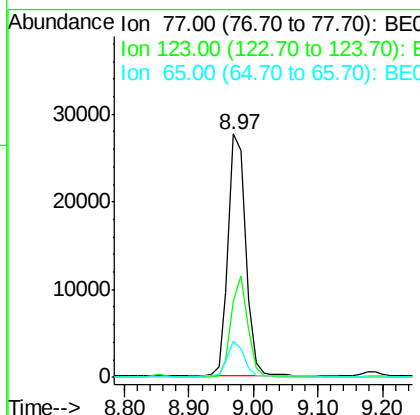
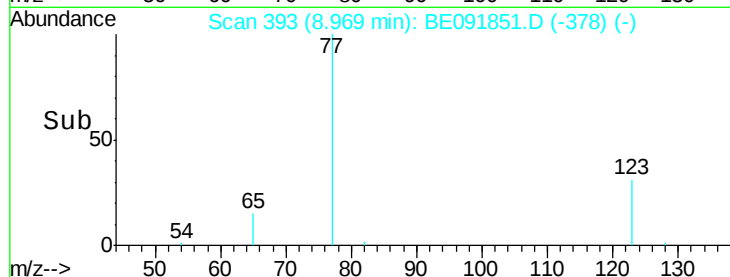
SP-001-160517MSD



Tgt Ion:	77	Resp:	52381
Ion Ratio	Lower	Upper	
77	100		
123	38.6	26.9	40.3
65	13.8	9.4	14.2

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#10

Naphthalene

Concen: 4.94 ng

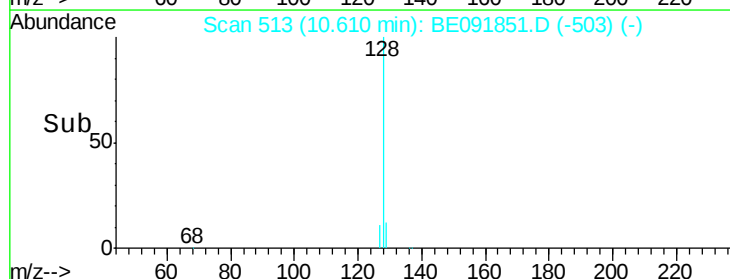
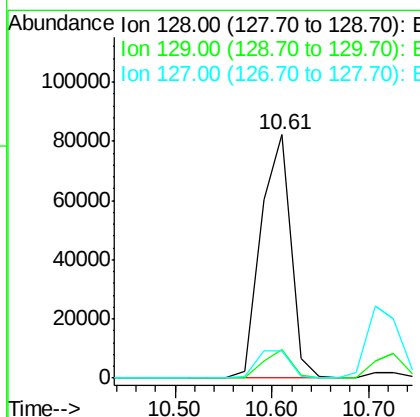
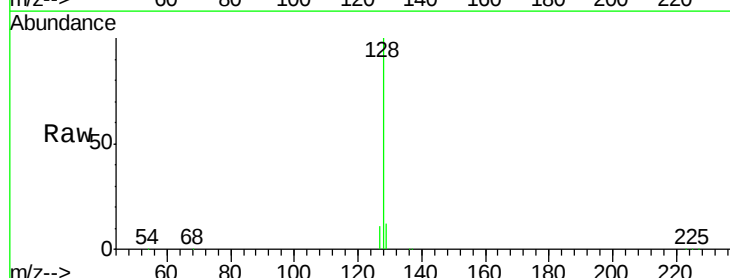
RT: 10.61 min Scan# 513

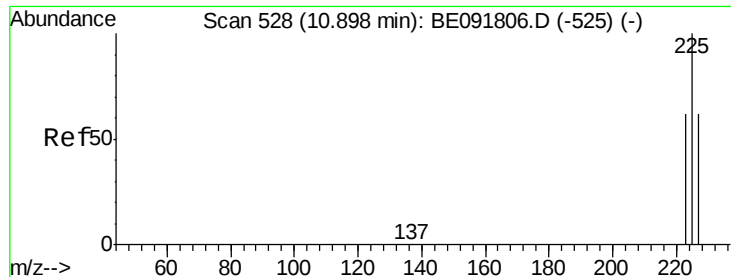
Delta R.T. 0.00 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Tgt Ion:	128	Resp:	174758
Ion Ratio	Lower	Upper	
128	100		
129	12.0	9.3	13.9
127	11.4	10.7	16.1





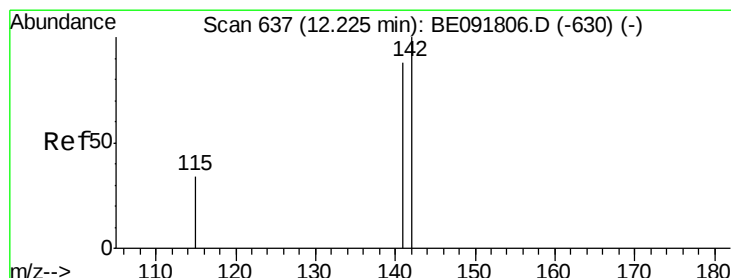
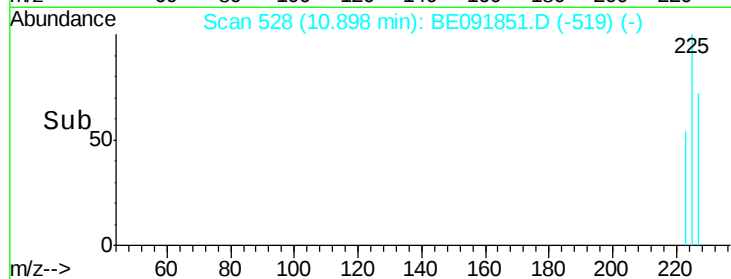
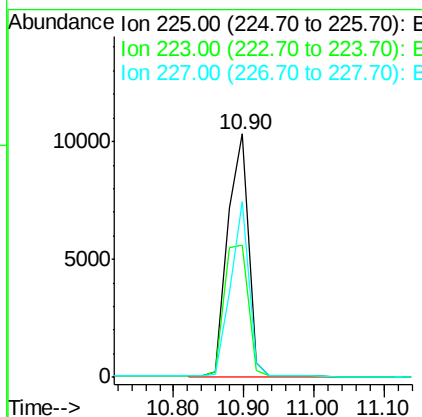
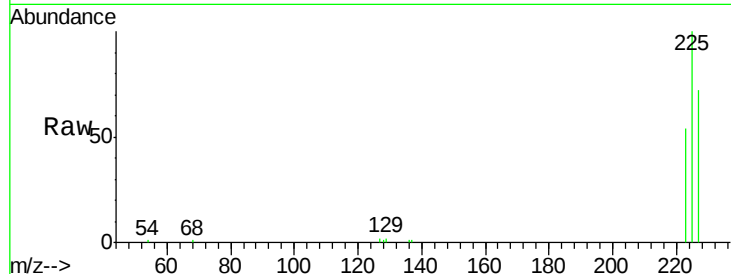
#11
Hexachlorobutadiene
Concen: 4.54 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091851.D
Acq: 23 May 2016 17:30

Instrument :
BNA_E
ClientSampleId :
SP-001-160517MSD

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	49.0	73.6
227	64.9	50.3	75.5

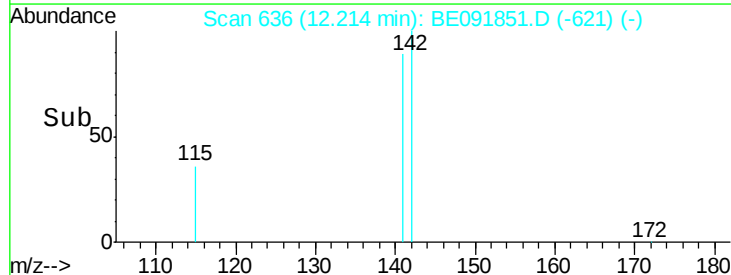
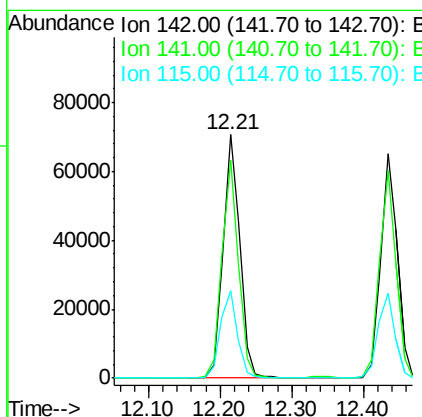
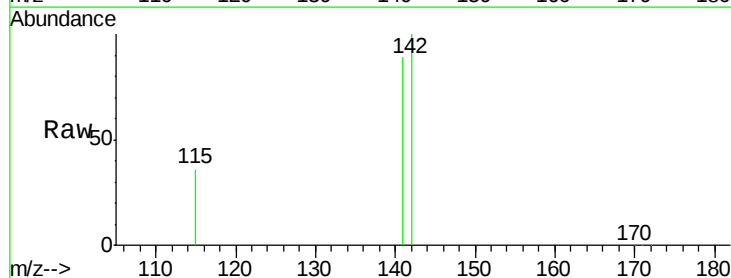
Manual Integrations
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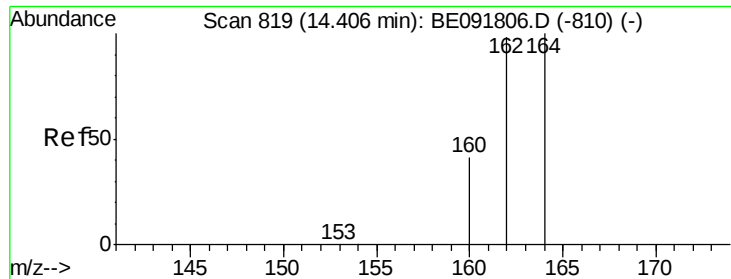
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#12
2-Methylnaphthalene
Concen: 4.77 ng
RT: 12.21 min Scan# 636
Delta R.T. -0.02 min
Lab File: BE091851.D
Acq: 23 May 2016 17:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.4	107.0
115	35.7	30.3	45.5





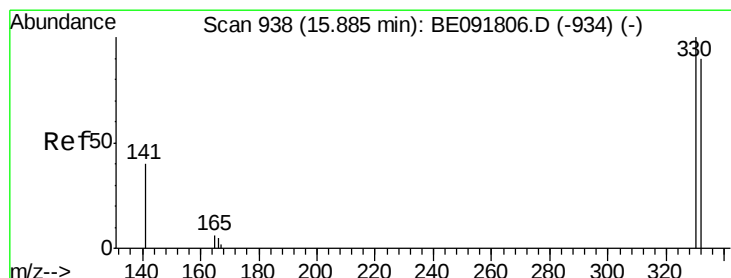
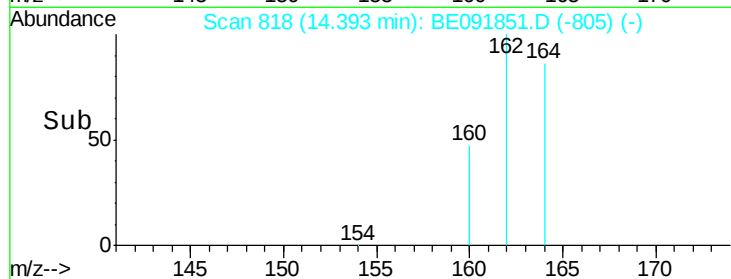
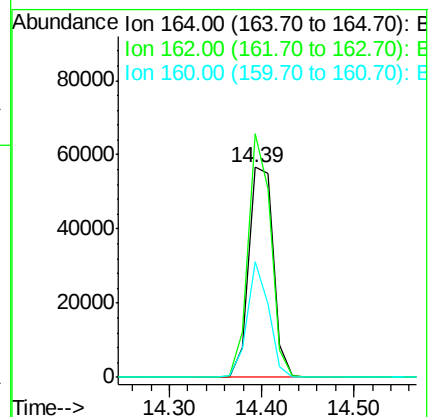
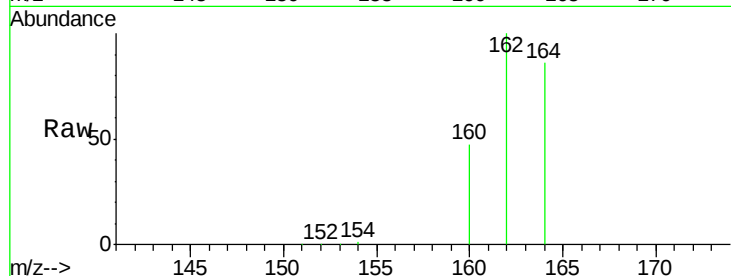
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.39 min Scan# 818
Delta R.T. -0.03 min
Lab File: BE091851.D
Acq: 23 May 2016 17:30

Instrument :
BNA_E
ClientSampleId :
SP-001-160517MSD

Tgt Ion:164 Resp: 104212
Ion Ratio Lower Upper
164 100
162 115.9 85.3 127.9
160 55.1 46.2 69.2

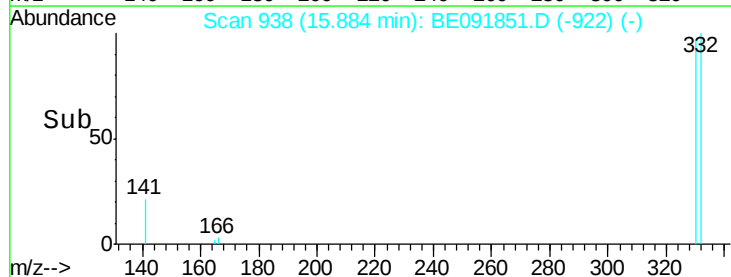
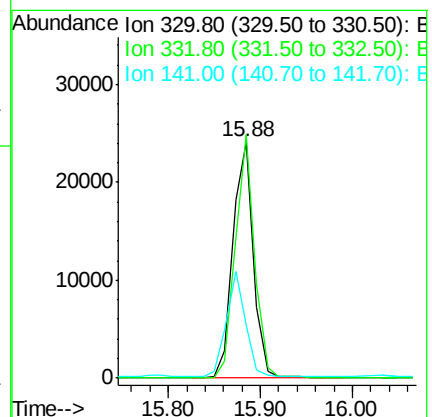
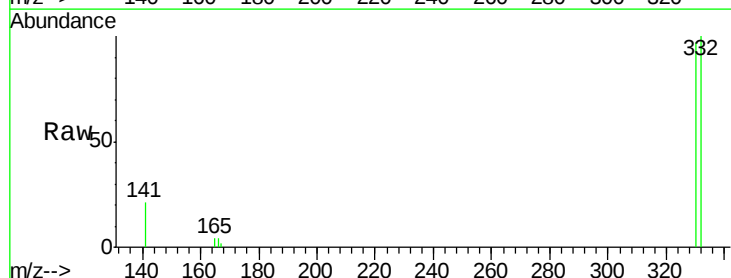
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#14
2,4,6-Tribromophenol
Concen: 9.19 ng
RT: 15.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: BE091851.D
Acq: 23 May 2016 17:30

Tgt Ion:330 Resp: 37172
Ion Ratio Lower Upper
330 100
332 97.2 79.1 118.7
141 41.3 125.4 188.0#





#15

2-Fluorobiphenyl

Concen: 4.52 ng

RT: 13.02 min Scan# 706

Delta R.T. -0.01 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Instrument :

BNA_E

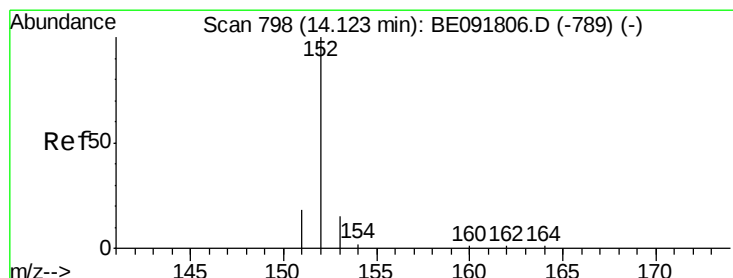
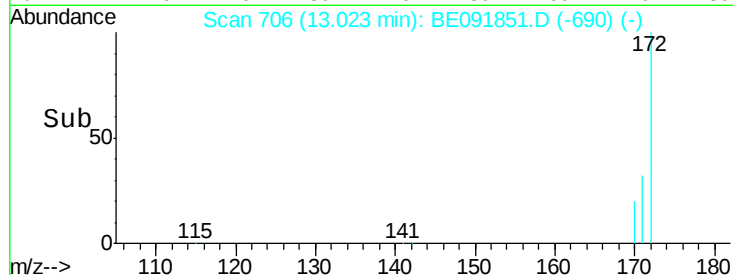
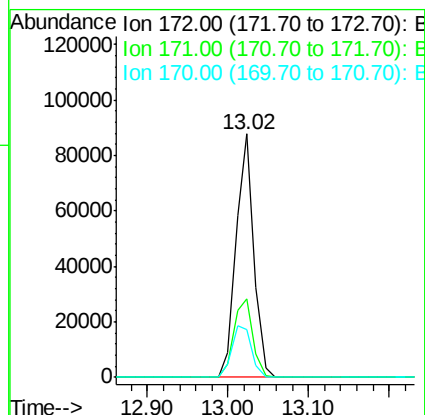
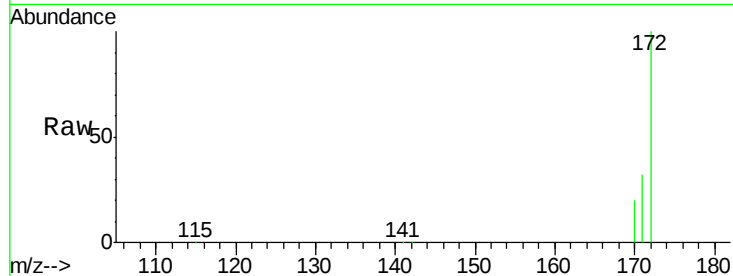
ClientSampleId :

SP-001-160517MSD

Tgt Ion:	172	Resp:	133225
Ion Ratio	Lower	Upper	
172	100		
171	32.1	28.8	43.2
170	19.7	19.3	28.9

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#16

Acenaphthylene

Concen: 4.46 ng

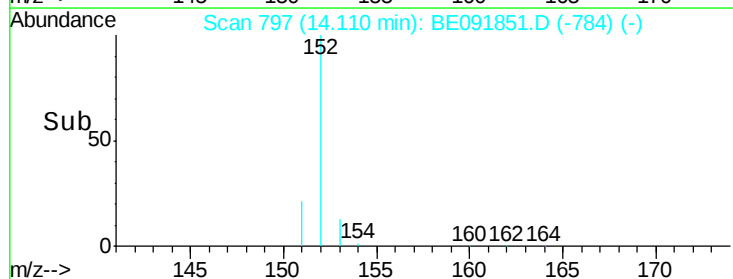
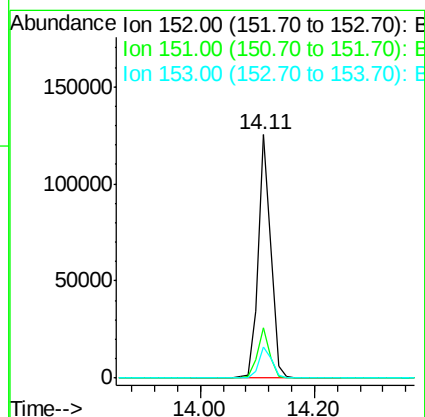
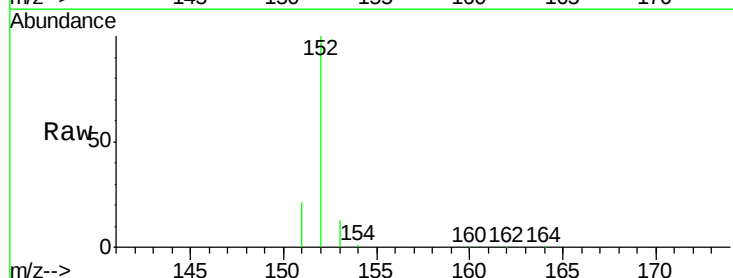
RT: 14.11 min Scan# 797

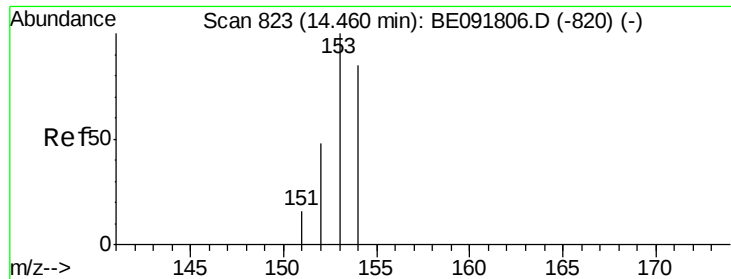
Delta R.T. -0.01 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Tgt Ion:	152	Resp:	207374
Ion Ratio	Lower	Upper	
152	100		
151	20.7	3.9	5.9#
153	13.8	10.3	15.5





#17

Acenaphthene

Concen: 5.10 ng

RT: 14.46 min Scan# 823

Delta R.T. -0.01 min

Lab File: BE091851.D

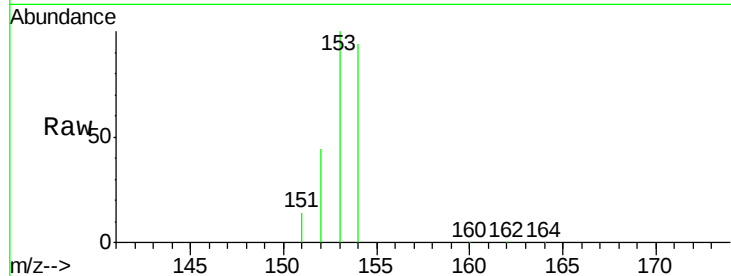
Acq: 23 May 2016 17:30

Instrument :

BNA_E

ClientSampleId :

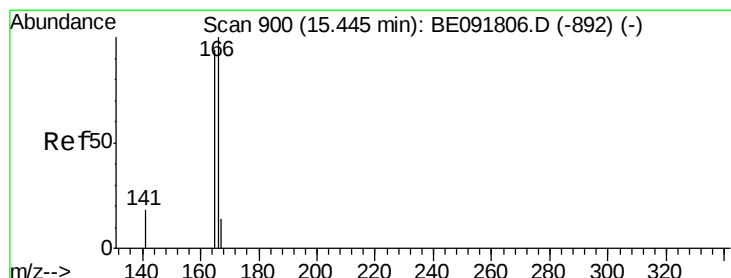
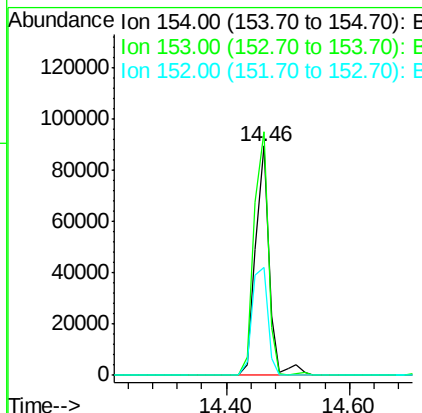
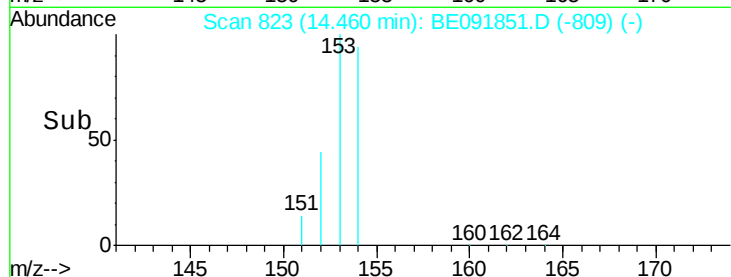
SP-001-160517MSD



Tgt Ion:	154	Resp:	142640
Ion Ratio	Lower	Upper	
154	100		
153	107.2	80.0	120.0
152	52.6	40.0	60.0

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#18

Fluorene

Concen: 4.62 ng

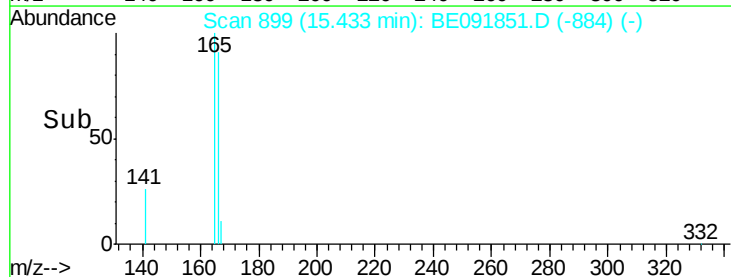
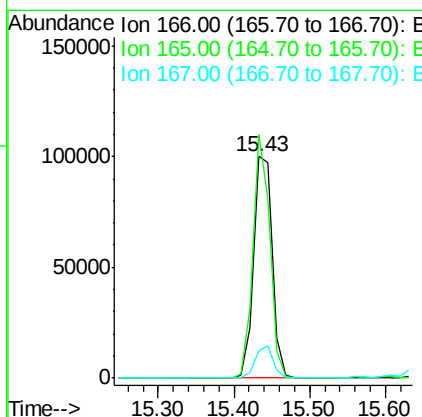
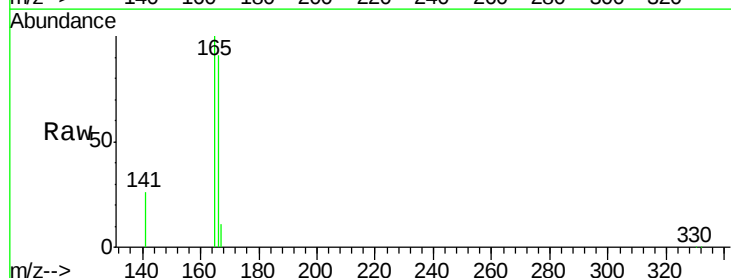
RT: 15.43 min Scan# 899

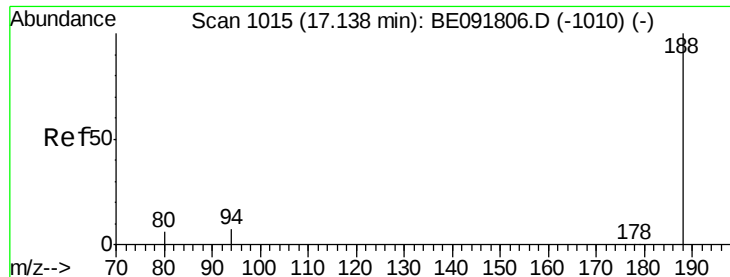
Delta R.T. -0.02 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Tgt Ion:	166	Resp:	167384
Ion Ratio	Lower	Upper	
166	100		
165	98.6	80.8	121.2
167	13.6	10.9	16.3





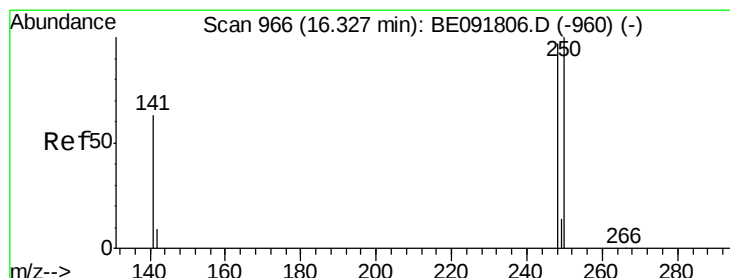
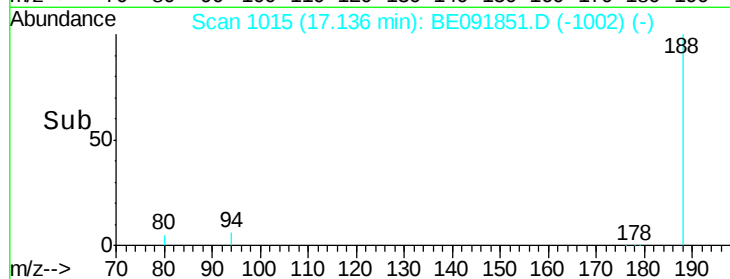
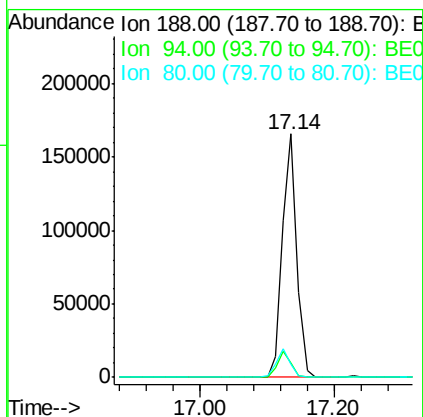
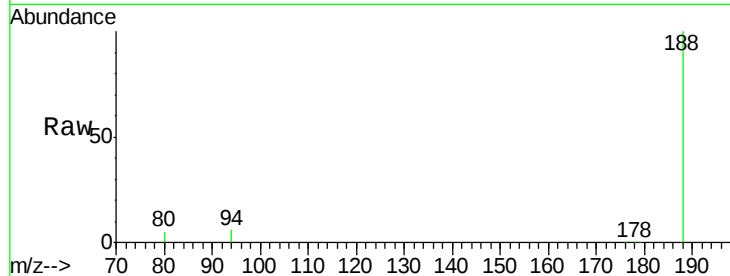
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091851.D
Acq: 23 May 2016 17:30

Instrument :
BNA_E
ClientSampleId :
SP-001-160517MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	6.1	8.7	13.1#
80	5.3	9.4	14.0#

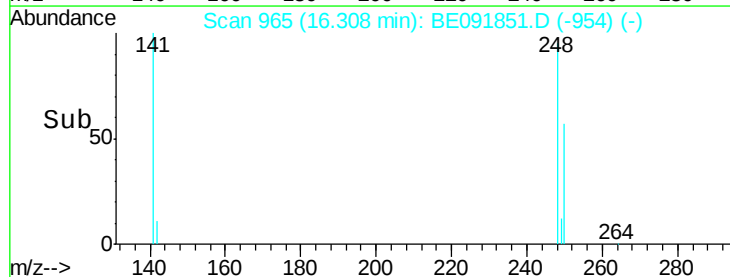
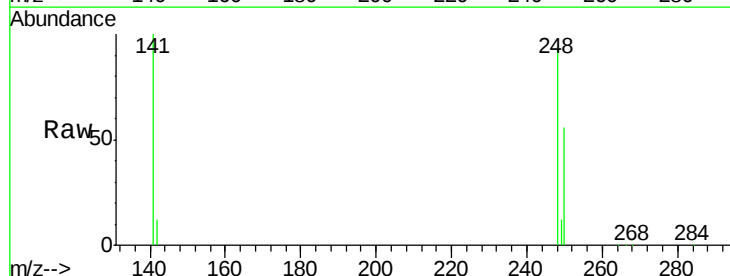
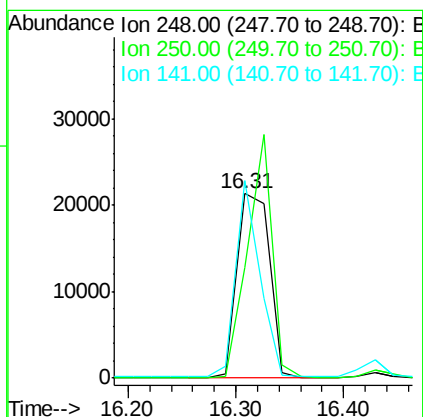
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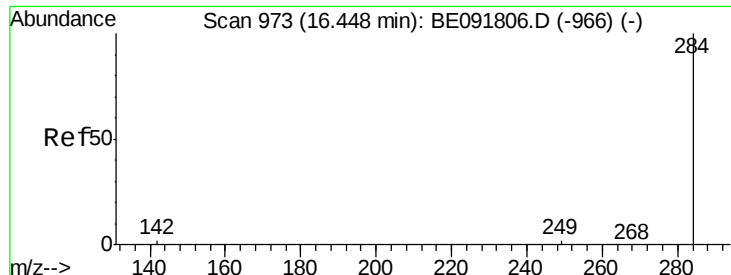
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#20
4-Bromophenyl-phenylether
Concen: 4.28 ng
RT: 16.31 min Scan# 965
Delta R.T. -0.02 min
Lab File: BE091851.D
Acq: 23 May 2016 17:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
248	100		
250	100.2	80.5	120.7
141	77.9	72.0	108.0





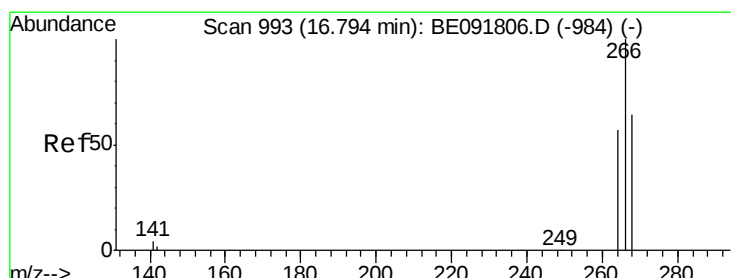
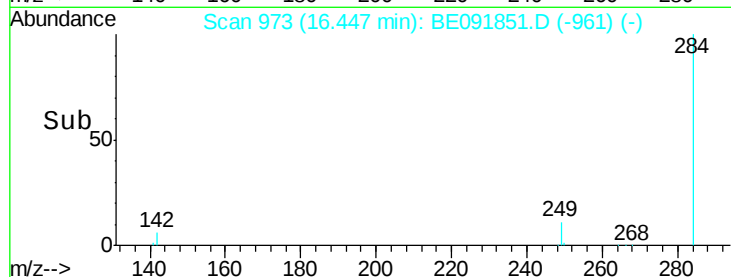
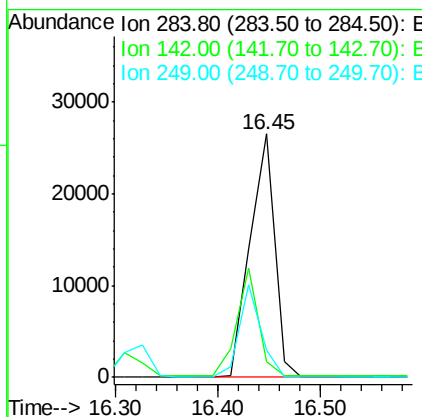
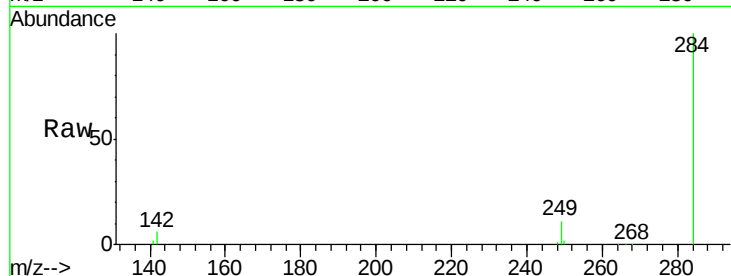
#21
Hexachlorobenzene
Concen: 4.13 ng m
RT: 16.45 min Scan# 973
Delta R.T. -0.00 min
Lab File: BE091851.D
Acq: 23 May 2016 17:30

Instrument :
BNA_E
ClientSampleId :
SP-001-160517MSD

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.4	32.2	48.2
249	32.9	25.4	38.2

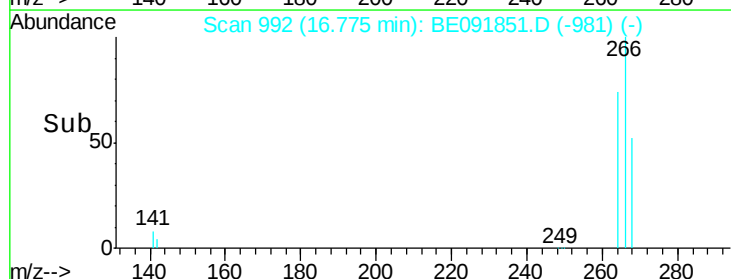
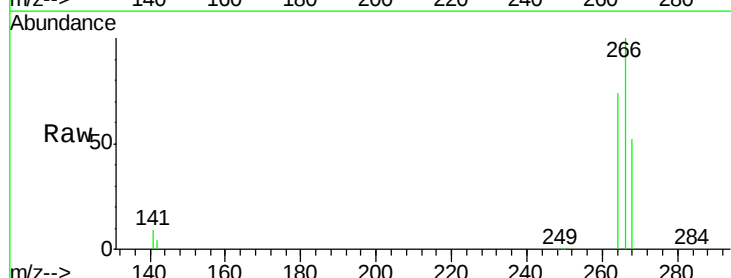
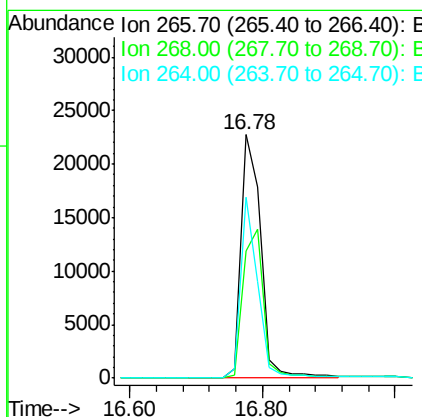
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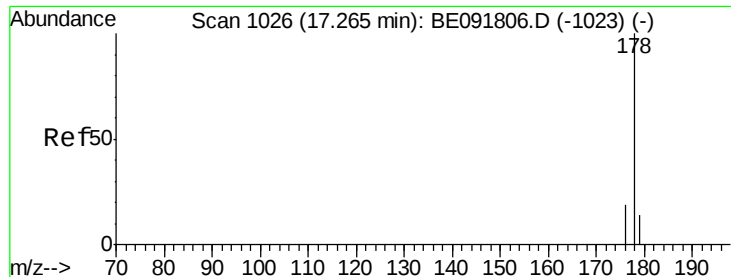
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#22
Pentachlorophenol
Concen: 10.46 ng
RT: 16.78 min Scan# 992
Delta R.T. -0.02 min
Lab File: BE091851.D
Acq: 23 May 2016 17:30

Tgt Ion	Ratio	Lower	Upper
266	100		
268	52.1	58.2	87.2#
264	74.1	56.2	84.4





#23

Phenanthrene

Concen: 12.63 ng

RT: 17.17 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE091851.D

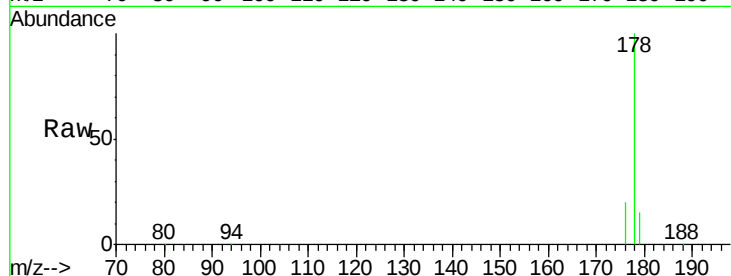
Acq: 23 May 2016 17:30

Instrument :

BNA_E

ClientSampleId :

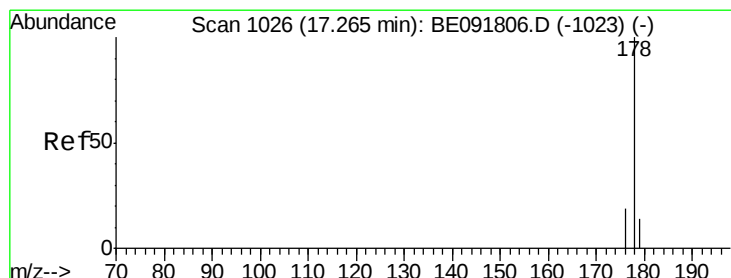
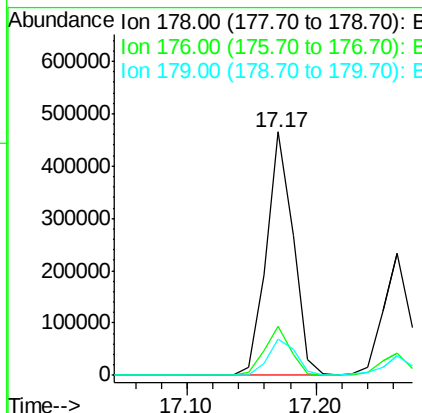
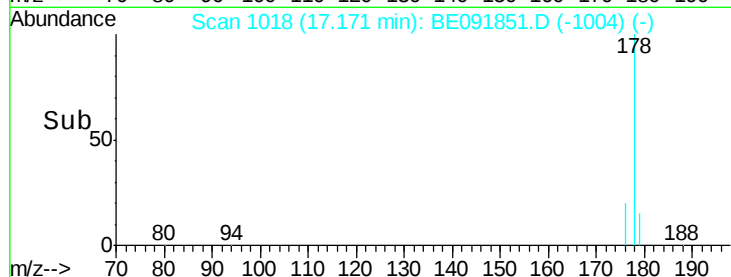
SP-001-160517MSD



Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	15.7	12.6	18.8

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#24

Anthracene

Concen: 5.39 ng

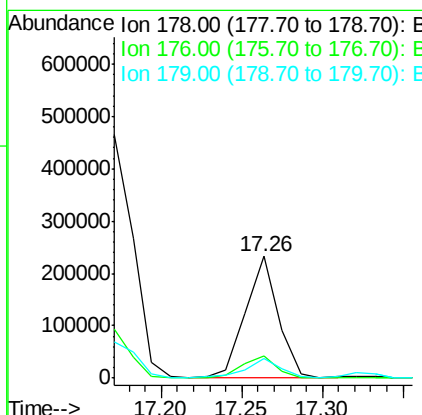
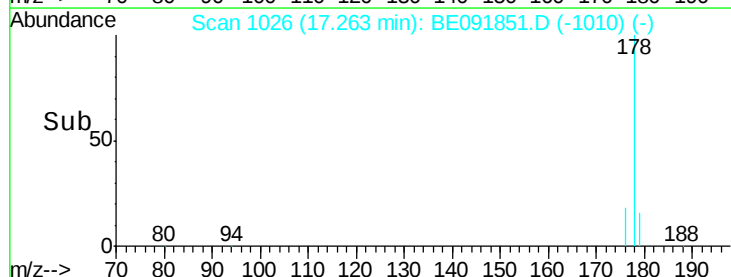
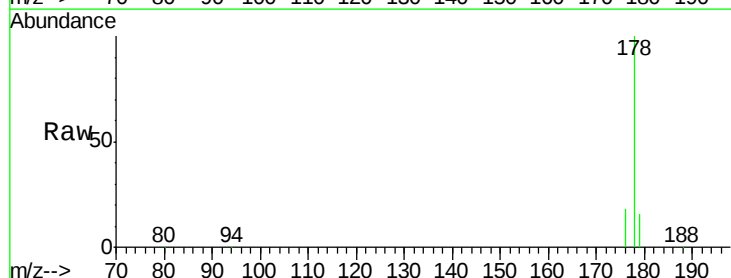
RT: 17.26 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	21.8
179	17.3	11.8	17.6





#25

Fluoranthene

Concen: 20.38 ng

RT: 19.19 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Instrument :

BNA_E

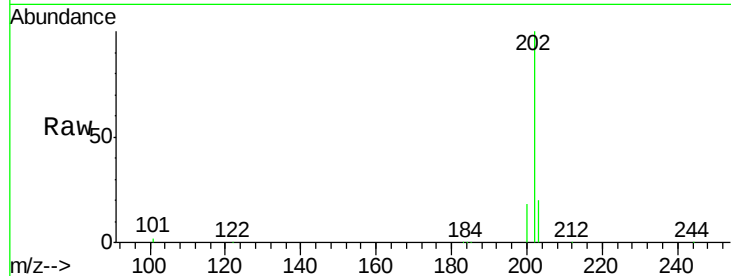
ClientSampleId :

SP-001-160517MSD

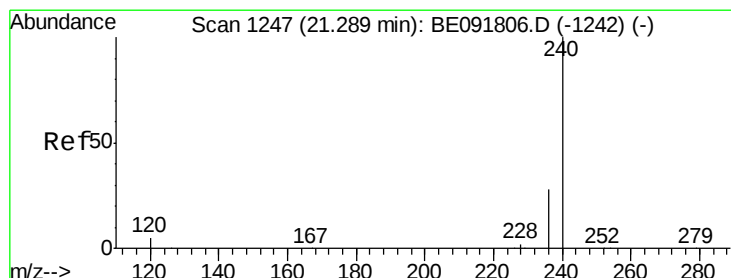
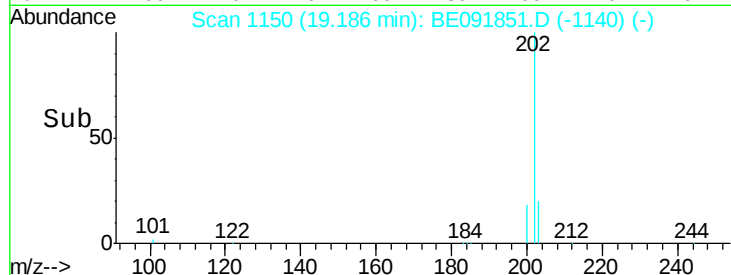
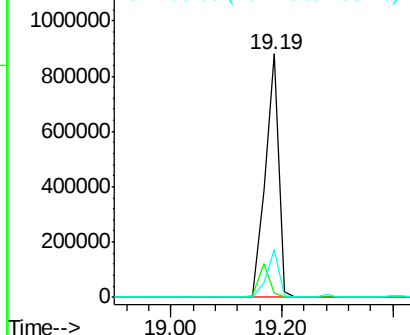
Tgt	Ion	202	Resp	1495892
Ion	Ratio	Lower	Upper	
202	100			
101	11.5	11.0	16.6	
203	18.0	13.9	20.9	

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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



#26

Chrysene-d12

Concen: 5.00 ng

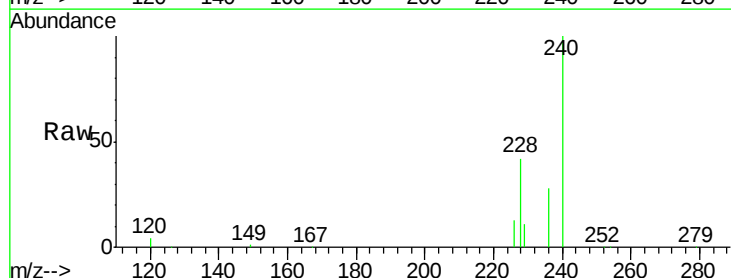
RT: 21.29 min Scan# 1247

Delta R.T. -0.02 min

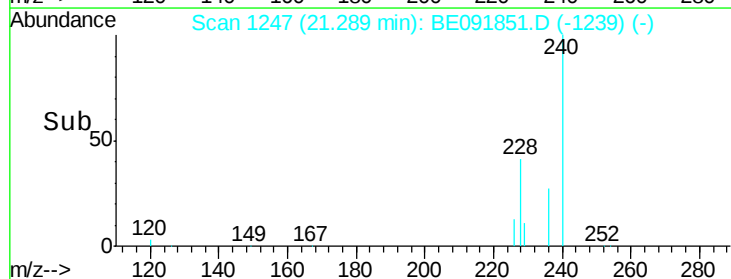
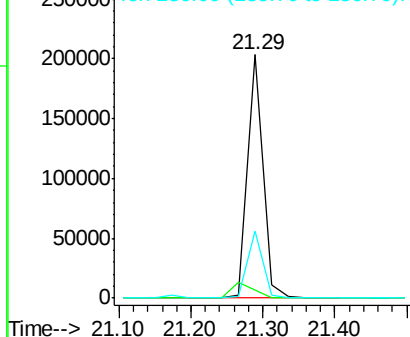
Lab File: BE091851.D

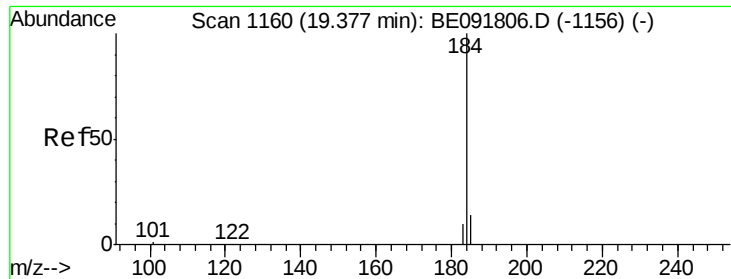
Acq: 23 May 2016 17:30

Tgt	Ion	240	Resp	302213
Ion	Ratio	Lower	Upper	
240	100			
120	3.5	11.0	16.4#	
236	27.7	21.7	32.5	



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





#27

Benzidine

Concen: 1.09 ng

RT: 19.36 min Scan# 1159

Delta R.T. -0.02 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Instrument :

BNA_E

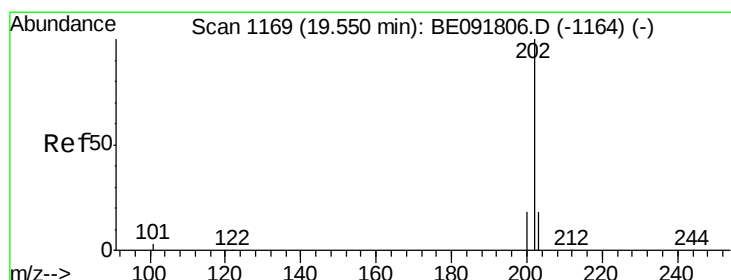
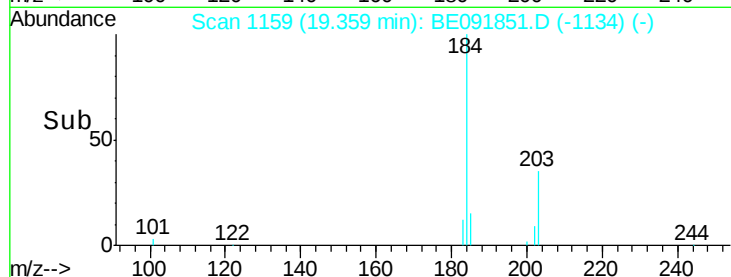
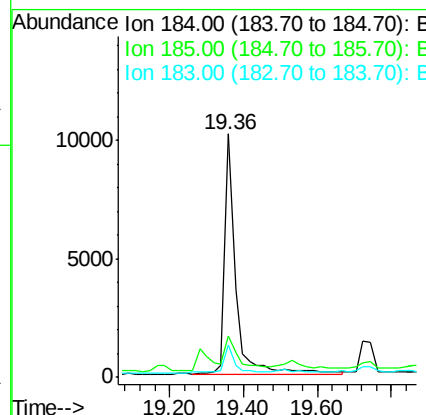
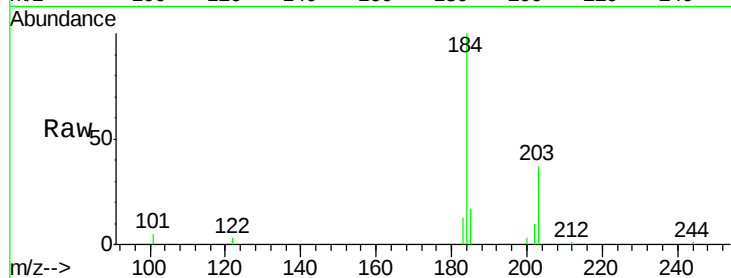
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
184	100		
185	17.1	22.3	33.5#
183	13.4	16.4	24.6#

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#28

Pyrene

Concen: 20.23 ng

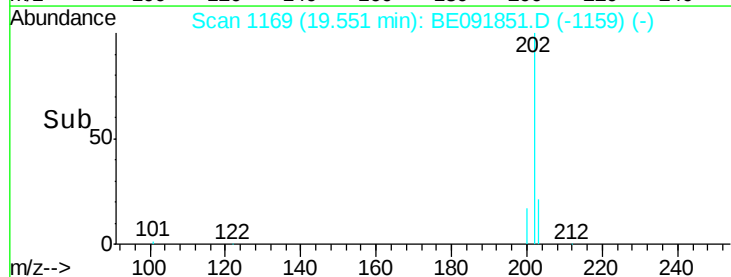
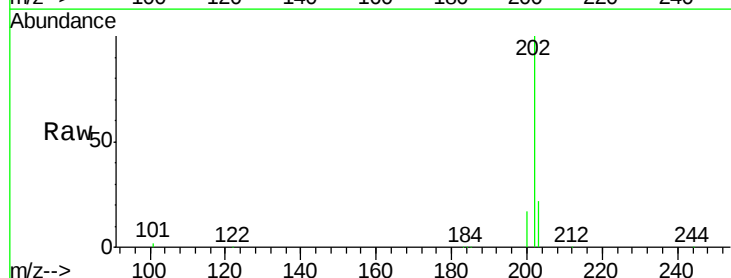
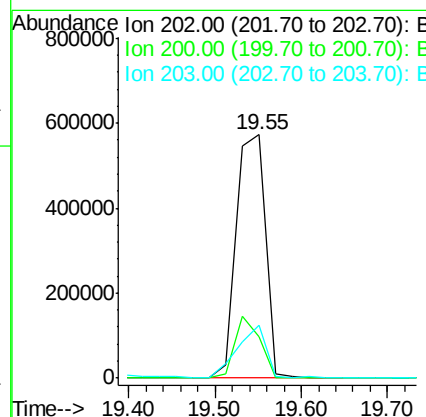
RT: 19.55 min Scan# 1169

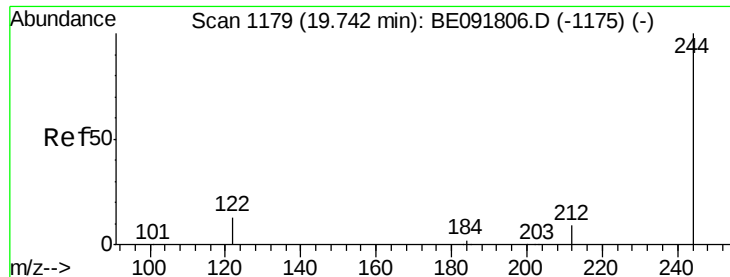
Delta R.T. -0.00 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	16.8	25.2
203	21.6	14.0	21.0#





#29

Terphenyl-d14

Concen: 4.77 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091851.D

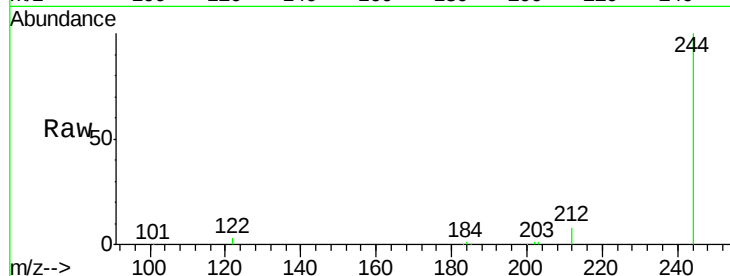
Acq: 23 May 2016 17:30

Instrument :

BNA_E

ClientSampleId :

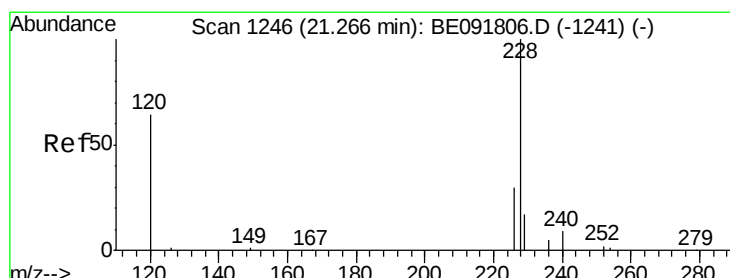
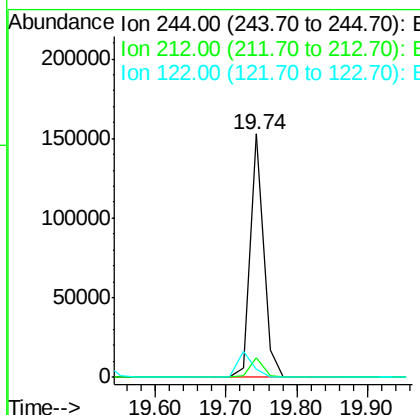
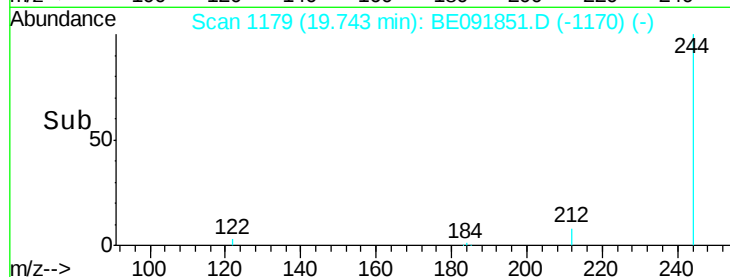
SP-001-160517MSD



Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.2	6.9	10.3	
122	3.4	11.0	16.4	

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#30

Benzo(a)anthracene

Concen: 13.49 ng m

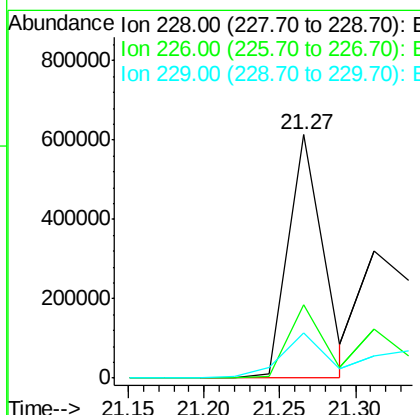
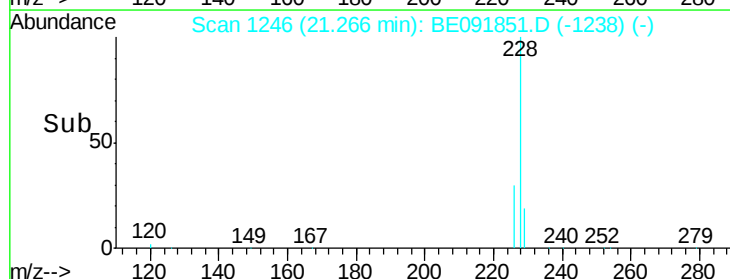
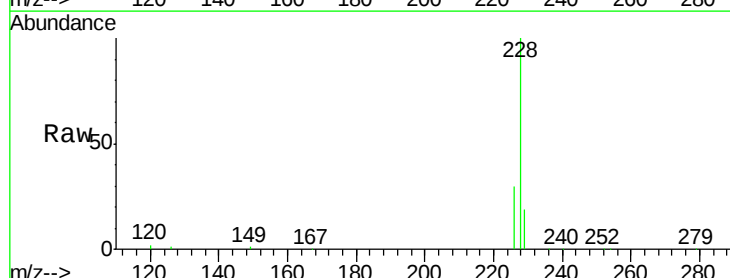
RT: 21.27 min Scan# 1246

Delta R.T. -0.02 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.9	21.0	31.4	
229	18.8	15.7	23.5	





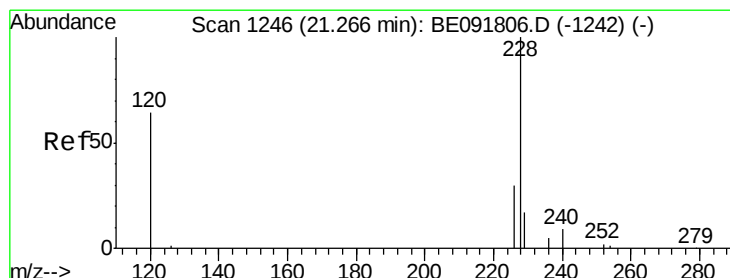
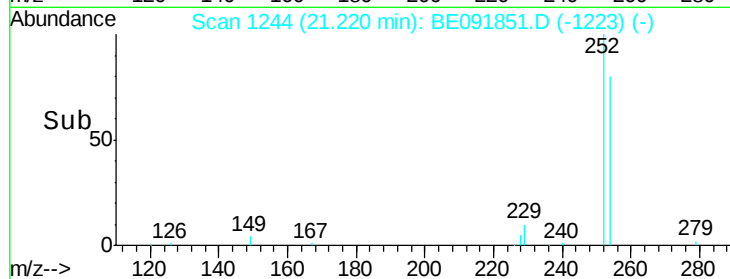
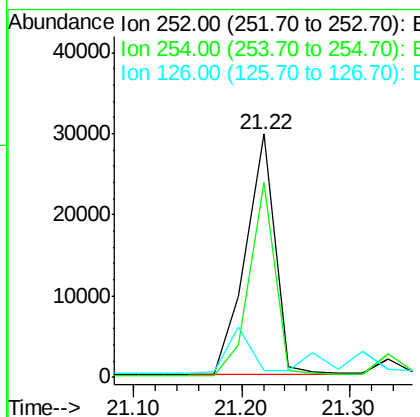
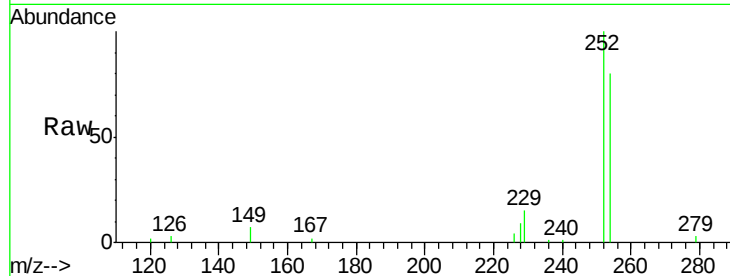
#31
 3,3'-Dichlorobenzidine
 Concen: 1.22 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. -0.02 min
 Lab File: BE091851.D
 Acq: 23 May 2016 17:30

Instrument :
 BNA_E
 ClientSampleId :
 SP-001-160517MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	80.0	51.1	76.7#
126	2.6	12.6	18.8#

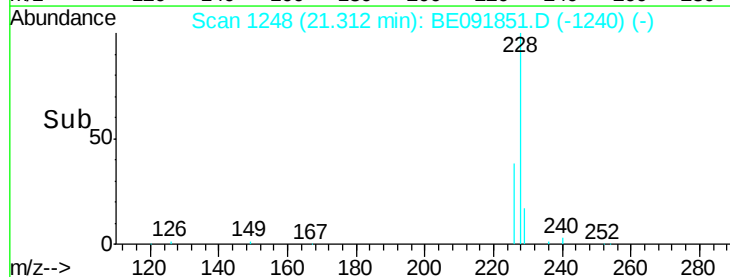
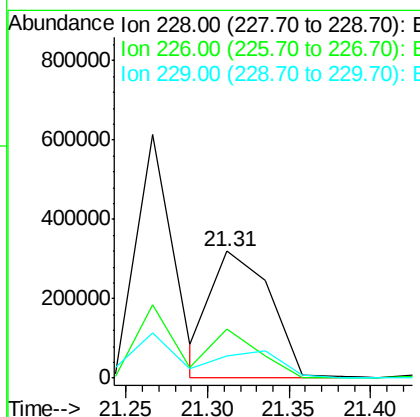
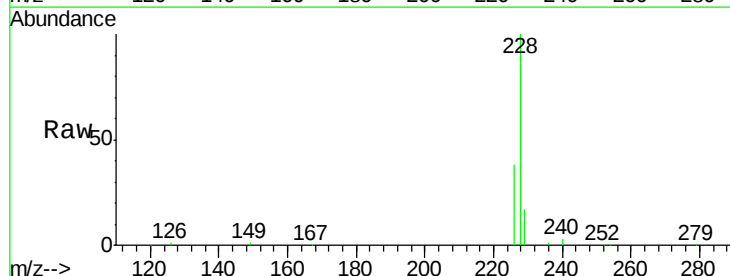
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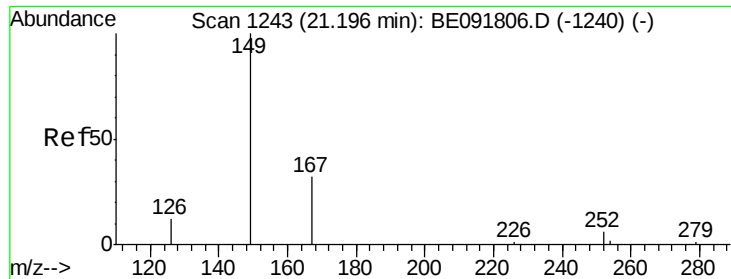
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#32
 Chrysene
 Concen: 12.66 ng m
 RT: 21.31 min Scan# 1248
 Delta R.T. -0.02 min
 Lab File: BE091851.D
 Acq: 23 May 2016 17:30

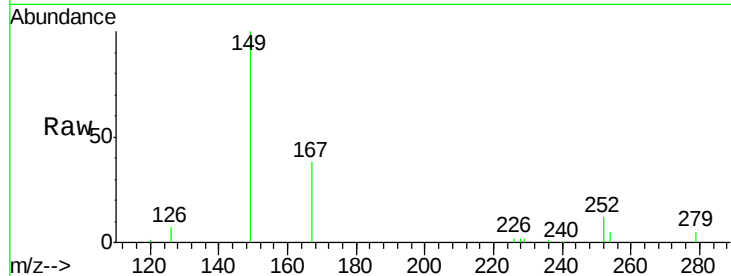
Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	38.3	24.0	36.0#
229	17.4	15.9	23.9





#33
 Bis(2-ethylhexyl)phthalate
 Concen: 4.01 ng
 RT: 21.20 min Scan# 1243
 Delta R.T. -0.02 min
 Lab File: BE091851.D
 Acq: 23 May 2016 17:30

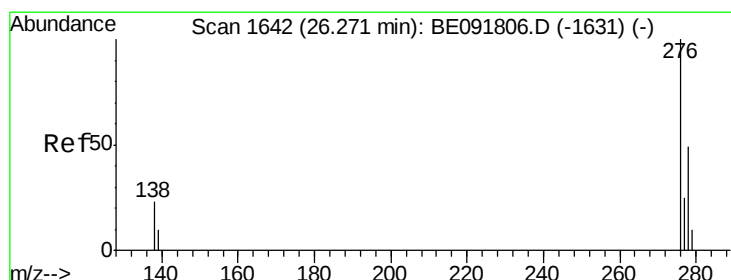
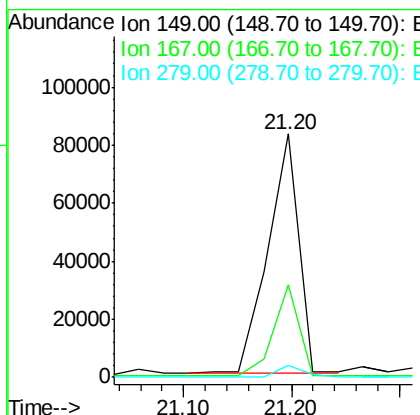
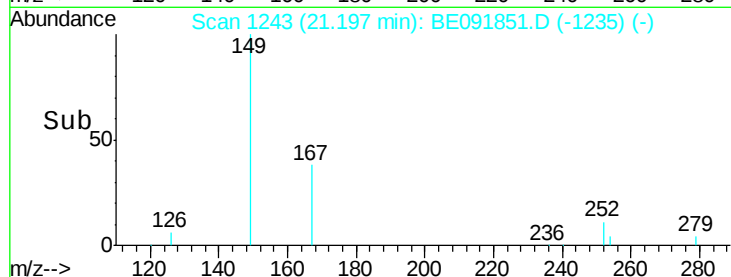
Instrument :
 BNA_E
 ClientSampleId :
 SP-001-160517MSD



Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	31.1	19.5	29.3#
279	3.7	10.0	15.0#

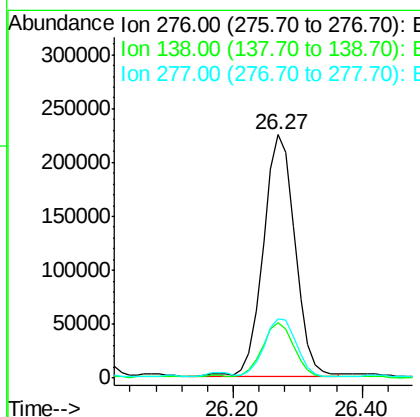
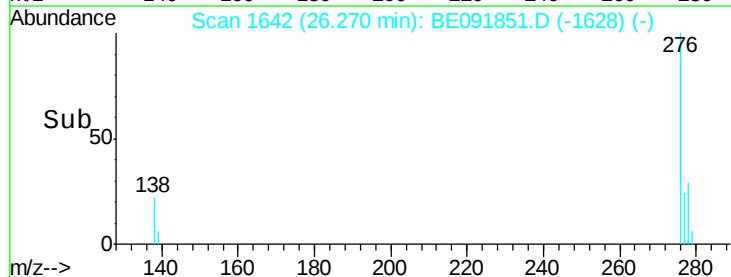
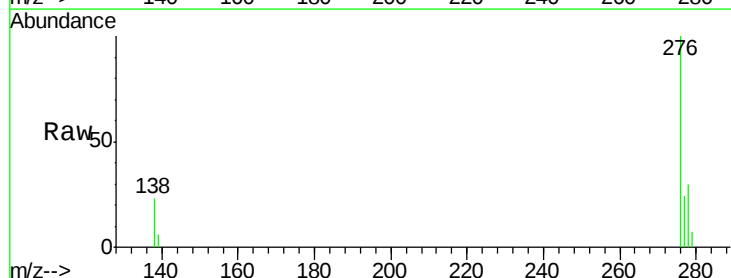
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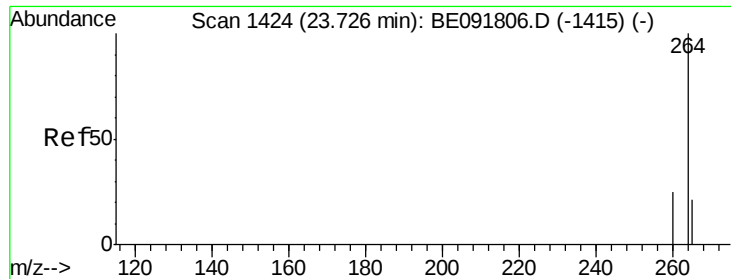
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#34
 Indeno(1,2,3-cd)pyrene
 Concen: 10.27 ng
 RT: 26.27 min Scan# 1642
 Delta R.T. -0.04 min
 Lab File: BE091851.D
 Acq: 23 May 2016 17:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.2	23.4	35.2#
277	24.0	19.8	29.8





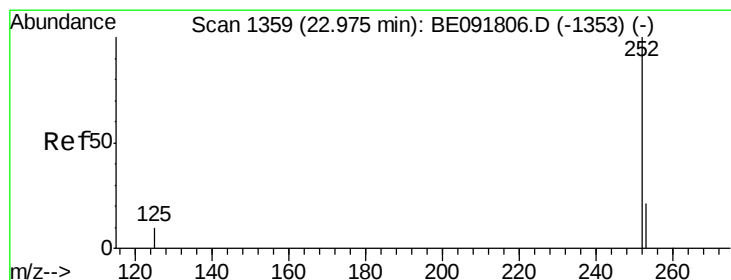
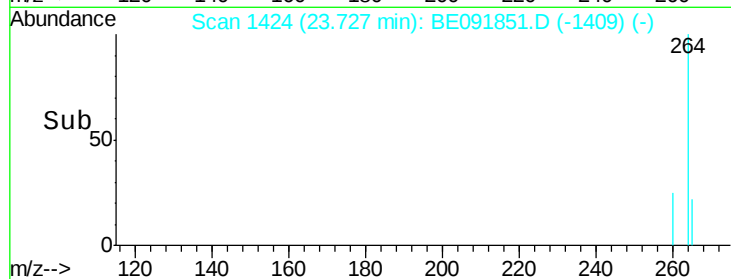
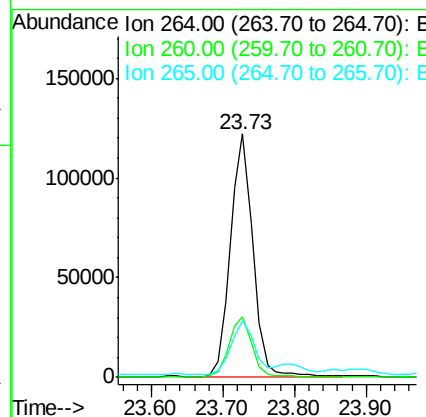
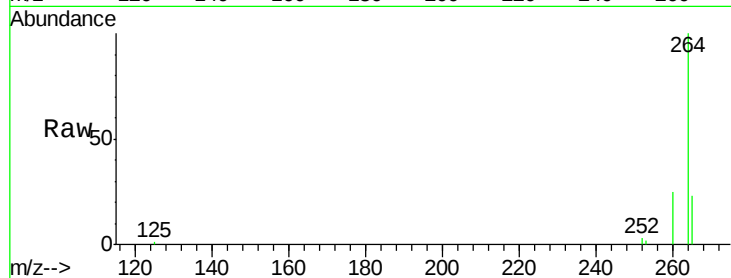
#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.73 min Scan# 1424
 Delta R.T. -0.02 min
 Lab File: BE091851.D
 Acq: 23 May 2016 17:30

Instrument :
 BNA_E
 ClientSampleId :
 SP-001-160517MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.8	20.0	30.0
265	23.3	17.5	26.3

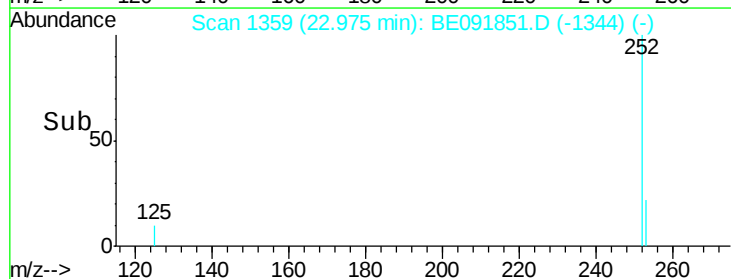
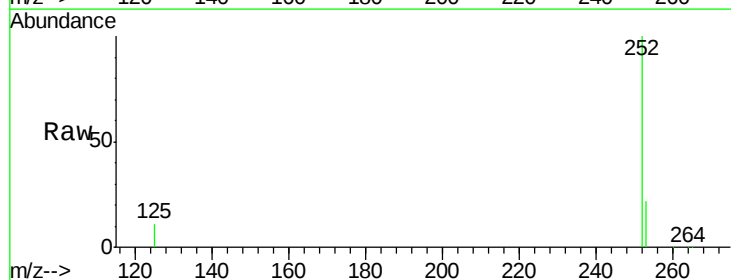
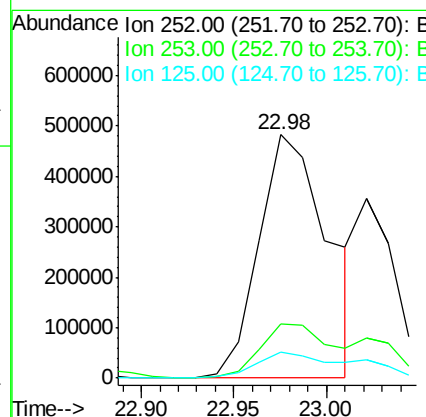
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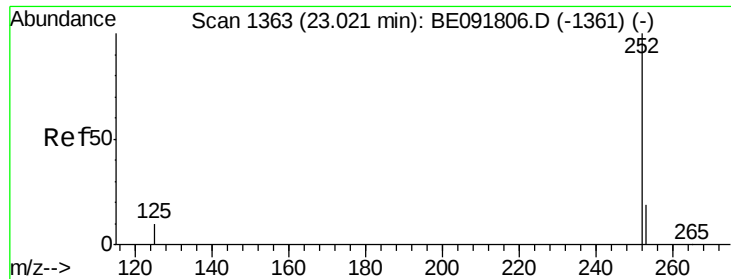
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#36
 Benzo(b)fluoranthene
 Concen: 18.99 ng m
 RT: 22.98 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: BE091851.D
 Acq: 23 May 2016 17:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.1	17.4	26.0
125	10.5	10.2	15.2





#37

Benzo(k)fluoranthene

Concen: 7.64 ng m

RT: 23.02 min Scan# 1363

Delta R.T. -0.02 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Instrument :

BNA_E

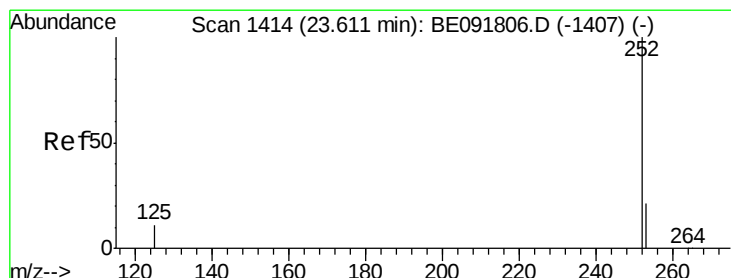
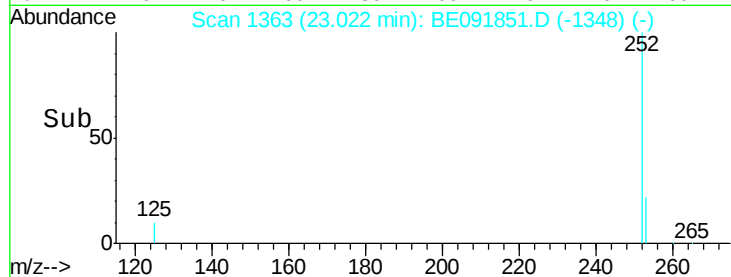
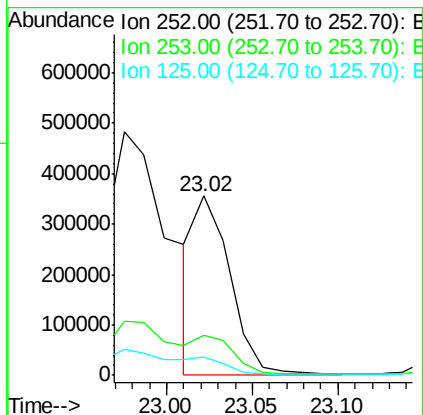
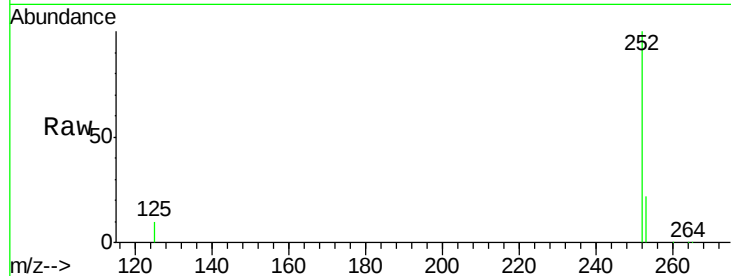
ClientSampleId :

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Tgt Ion:	252	Resp:	516236
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.6	26.4
125	10.4	9.9	14.9

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#38

Benzo(a)pyrene

Concen: 13.73 ng

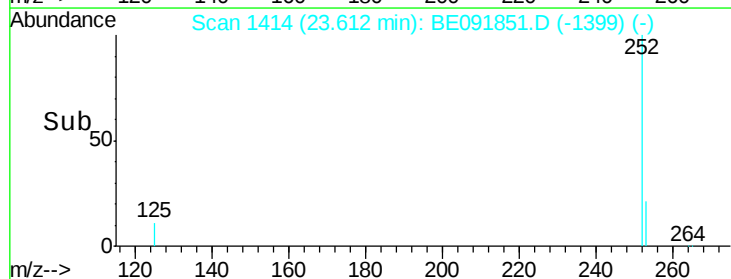
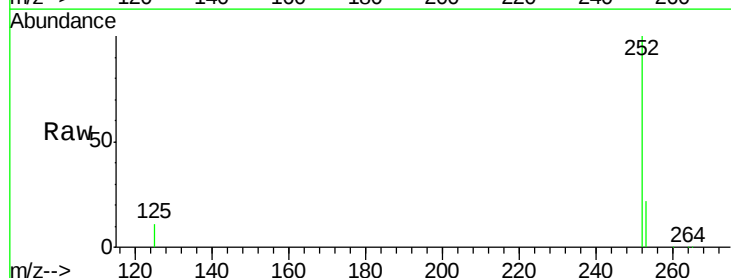
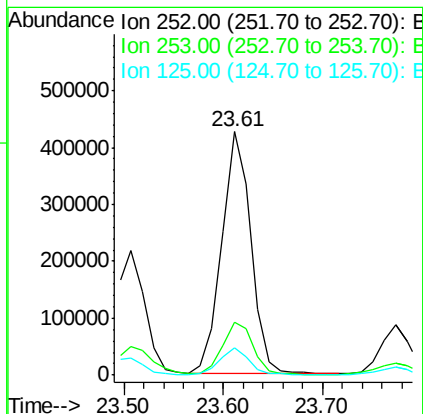
RT: 23.61 min Scan# 1414

Delta R.T. -0.02 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Tgt Ion:	252	Resp:	865202
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.1	27.1
125	11.4	11.0	16.4





#39

Dibenzo(a,h)anthracene

Concen: 5.79 ng

RT: 26.29 min Scan# 1644

Delta R.T. -0.05 min

Lab File: BE091851.D

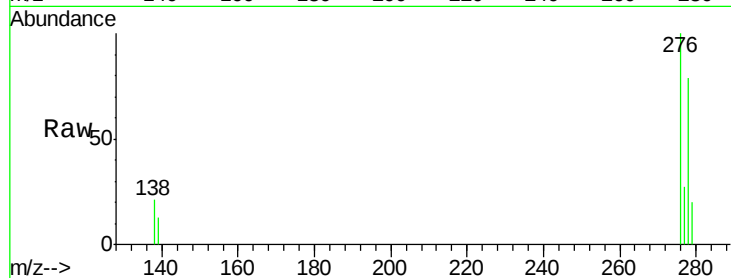
Acq: 23 May 2016 17:30

Instrument :

BNA_E

ClientSampleId :

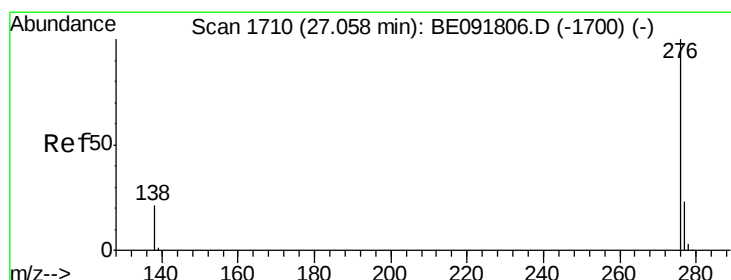
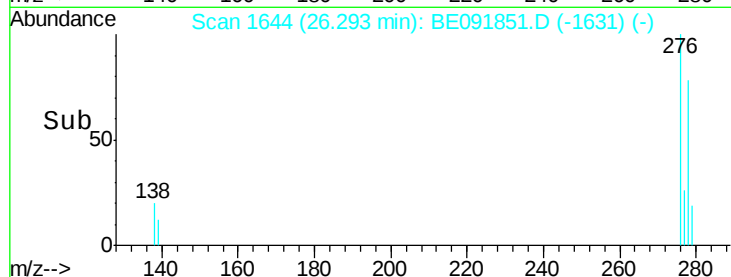
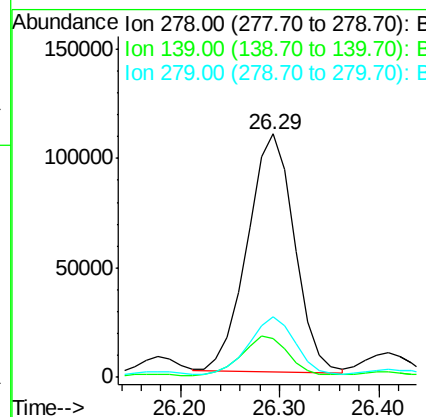
SP-001-160517MSD



Tgt Ion:	278	Resp:	355939
Ion Ratio	Lower	Upper	
278	100		
139	16.2	16.0	24.0
279	24.7	19.4	29.2

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#40

Benzo(g,h,i)perylene

Concen: 11.32 ng

RT: 27.06 min Scan# 1710

Delta R.T. -0.05 min

Lab File: BE091851.D

Acq: 23 May 2016 17:30

Tgt Ion:	276	Resp:	718170
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.6	28.0
138	22.4	20.4	30.6

