

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092316\
 Data File : BE092410.D
 Acq On : 23 Sep 2016 10:53
 Operator : UM/SJ
 Sample : H4803-05DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

Manual Integrations
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Quant Time: Sep 23 14:07:14 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 22 18:25:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.16	152	8501	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	40820	5.00	ng	0.00
12) Acenaphthene-d10	14.81	164	27821	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	66368	5.00	ng	0.02
24) Chrysene-d12	21.75	240	96239	5.00	ng	0.00
31) Perylene-d12	24.12	264	78919	5.00	ng	0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.66	112	22794	11.32	ng	-0.02
5) Phenol-d6	7.33	99	31782	11.07	ng	-0.02
8) Nitrobenzene-d5	9.34	82	20314	6.87	ng	-0.02
13) 2,4,6-Tribromophenol	16.31	330	11637	11.72	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	55779	8.47	ng	-0.01
26) Terphenyl-d14	20.17	244	89282	7.48	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.59	93	31102	13.66	ng	# 27
9) Naphthalene	10.99	128	14622	1.65	ng	# 96
10) Hexachlorobutadiene	11.28	225	9538	6.86	ng	99
11) 2-Methylnaphthalene	12.62	142	37470	6.41	ng	95
15) Acenaphthylene	14.53	152	616677	15.31	ng	100
16) Acenaphthene	14.88	154	39999	6.34	ng	96
17) Fluorene	15.87	166	129536	16.19	ng	99
19) Hexachlorobenzene	16.89	284	22745	8.01	ng	# 65
22) Anthracene	17.69	178	79684	5.43	ng	99
23) Fluoranthene	19.61	202	1081155	14.92	ng	98
27) Benzo(a)anthracene	21.72	228	338008m	3.60	ng	
28) Chrysene	21.77	228	613260m	7.14	ng	
29) Bis(2-ethylhexyl)phthalate	21.63	149	39320	4.87	ng	# 74
30) Indeno(1,2,3-cd)pyrene	26.62	276	446450	4.90	ng	95
32) Benzo(b)fluoranthene	23.38	252	124355	6.51	ng	# 96
34) Benzo(a)pyrene	24.01	252	227469	12.14	ng	# 94
36) Benzo(a,h,i)perylene	27.38	276	783762	10.63	ng	97

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

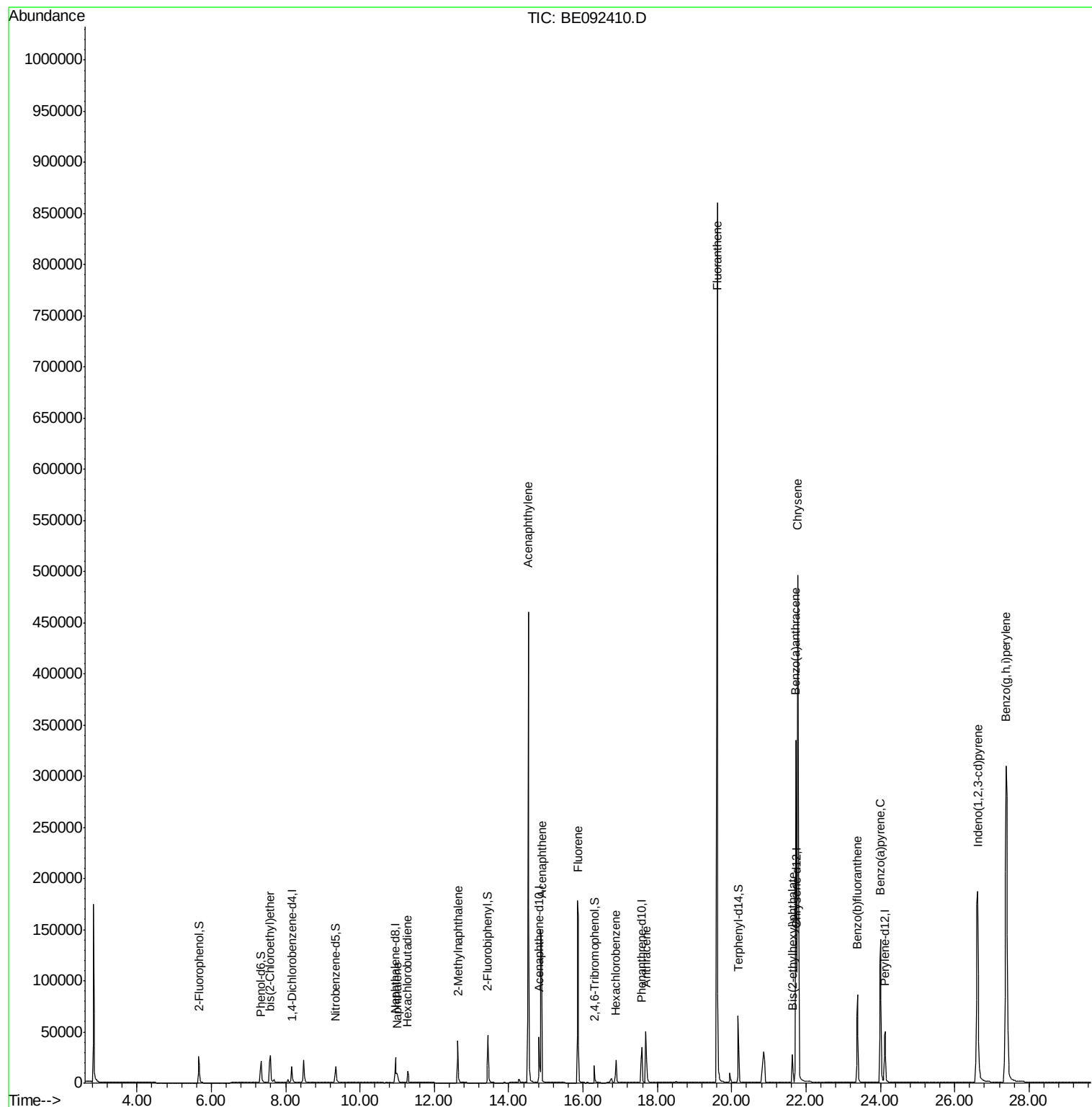
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092316\
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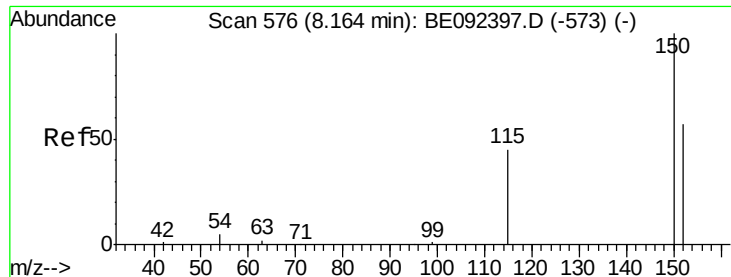
Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

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Quant Time: Sep 23 14:07:14 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092410.D

Acq: 23 Sep 2016 10:53

Instrument :

BNA_E

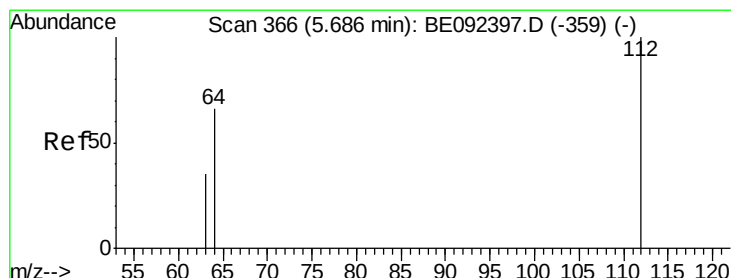
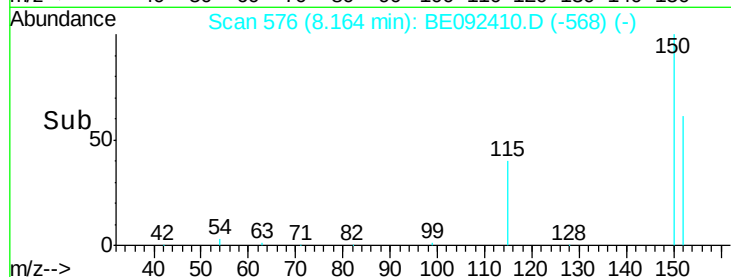
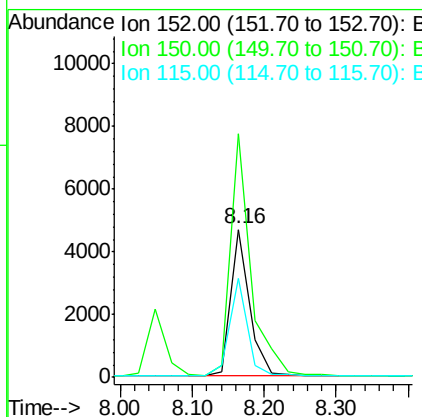
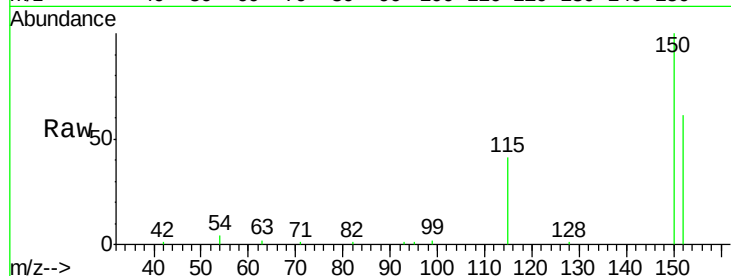
ClientSampleId :

PT-BN-WPDL

Tot Ion:	152	Resp:	8501
Ion Ratio	Lower	Upper	
152	100		
150	164.5	106.0	159.0#
115	66.8	31.2	46.8#

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#4

2-Fluorophenol

Concen: 11.32 ng

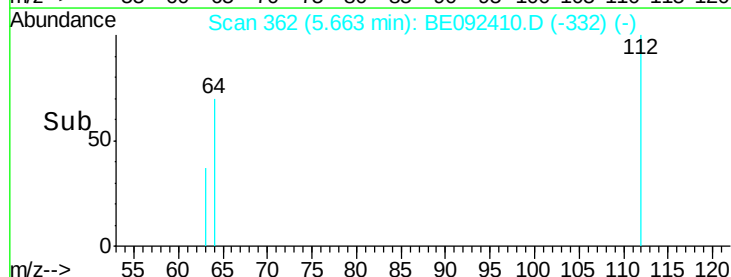
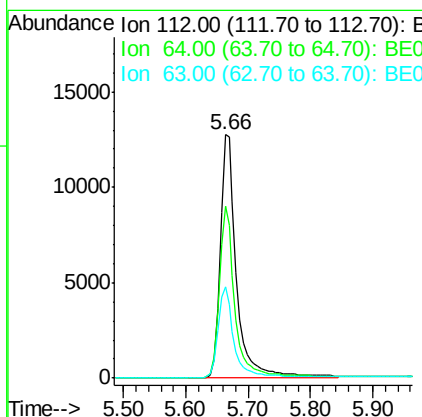
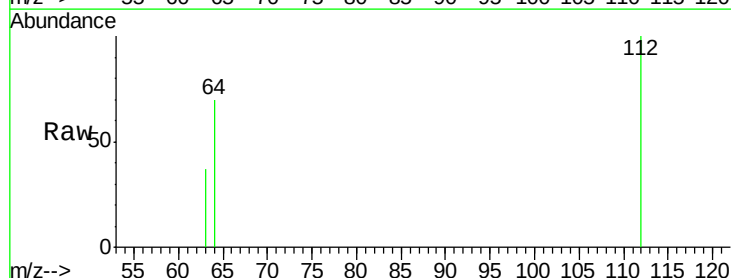
RT: 5.66 min Scan# 362

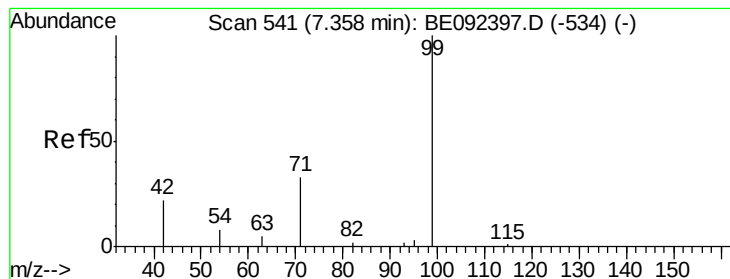
Delta R.T. -0.02 min

Lab File: BE092410.D

Acq: 23 Sep 2016 10:53

Tgt Ion:	112	Resp:	22794
Ion Ratio	Lower	Upper	
112	100		
64	67.7	53.5	80.3
63	36.0	27.9	41.9





#5

Phenol-d6

Concen: 11.07 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092410.D

Acq: 23 Sep 2016 10:53

Instrument :

BNA_E

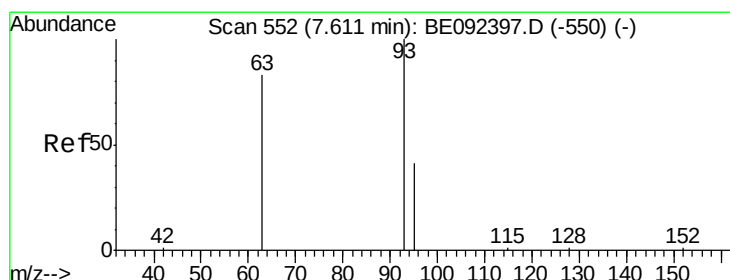
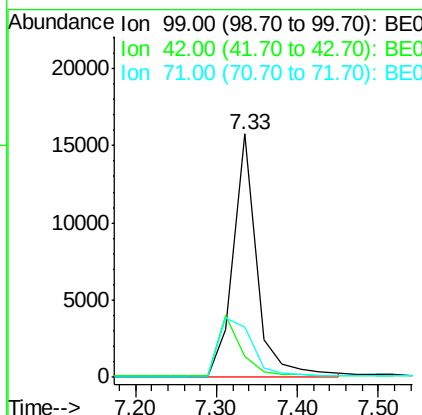
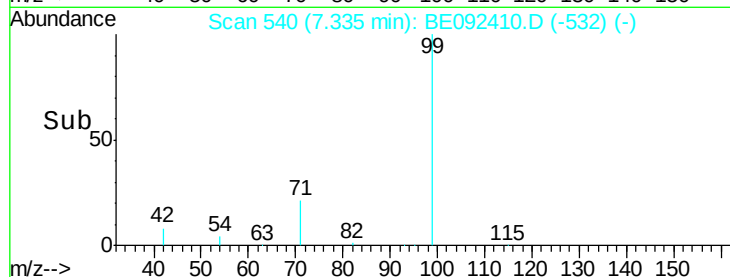
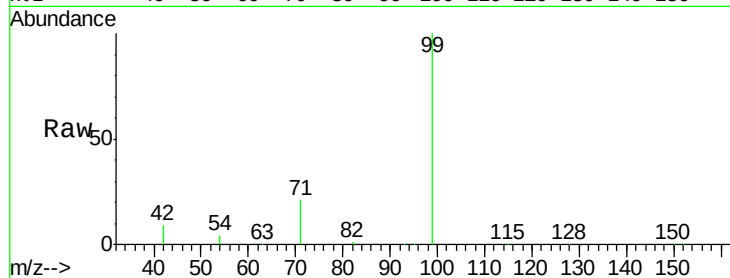
ClientSampleId :

PT-BN-WPDL

Tot Ion:	99	Resp:	31782
Ion Ratio	Lower	Upper	
99	100		
42	0.0	16.0	24.0#
71	0.0	30.6	45.8#

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#6

bis(2-Chloroethyl)ether

Concen: 13.66 ng

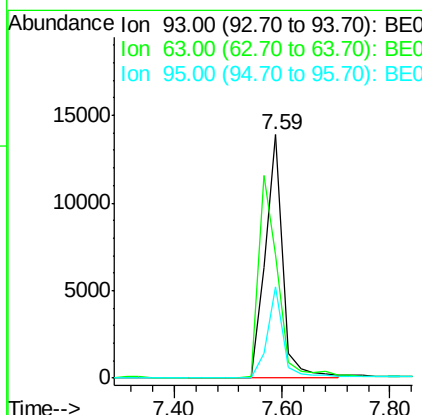
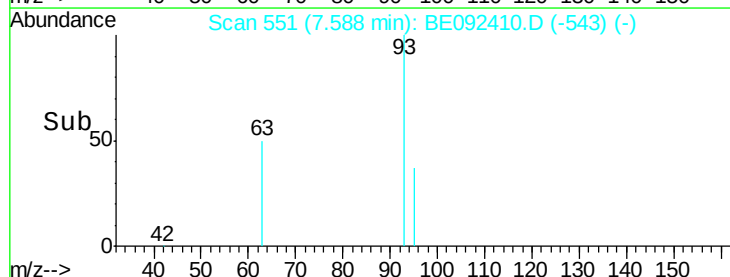
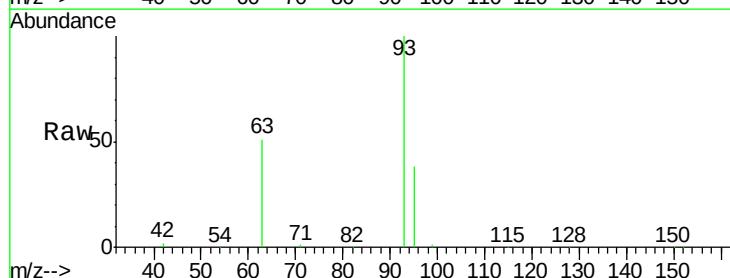
RT: 7.59 min Scan# 551

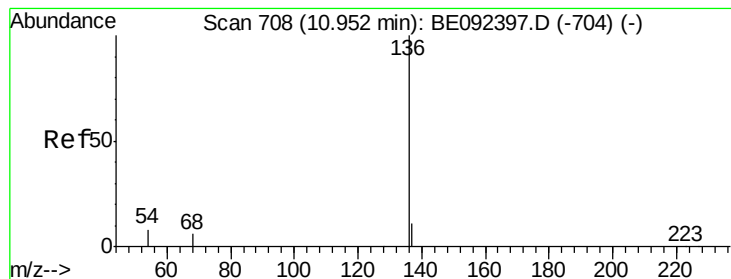
Delta R.T. -0.02 min

Lab File: BE092410.D

Acq: 23 Sep 2016 10:53

Tgt Ion:	93	Resp:	31102
Ion Ratio	Lower	Upper	
93	100		
63	0.0	71.6	107.4#
95	33.3	24.0	36.0





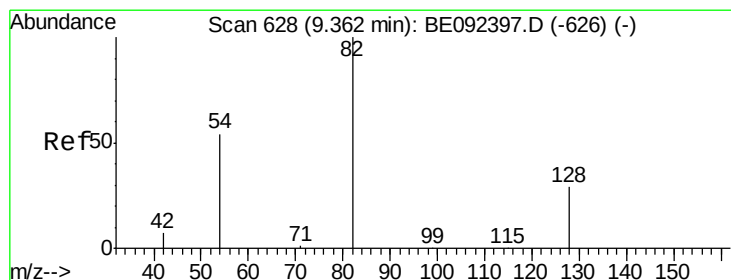
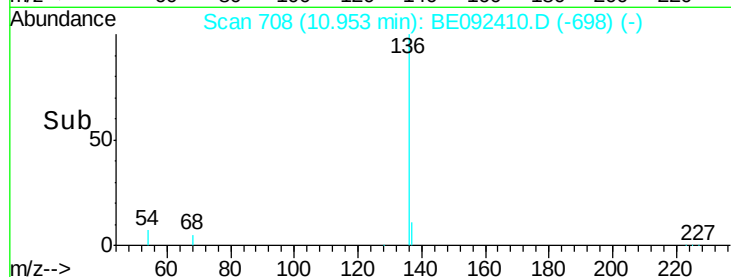
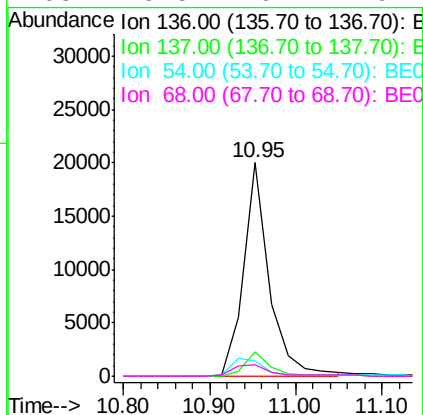
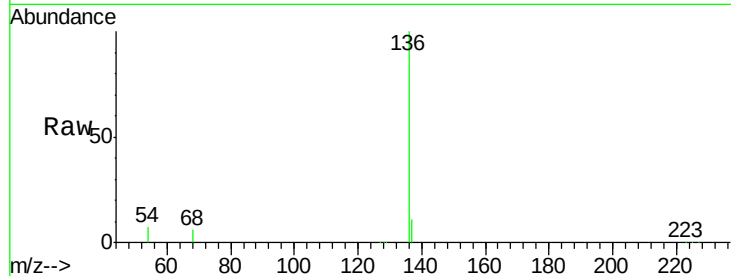
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE092410.D
Acq: 23 Sep 2016 10:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	8.2	12.4	
54	7.2	9.6	14.4	
68	5.5	6.7	10.1	

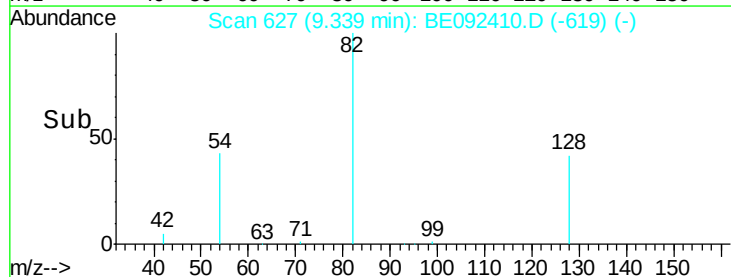
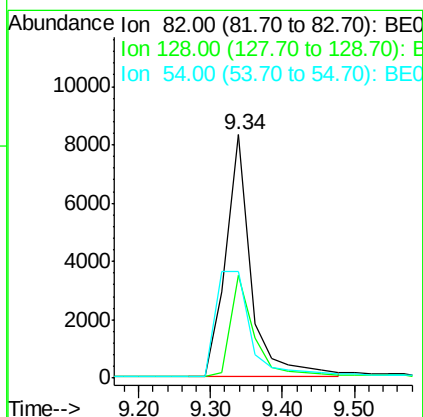
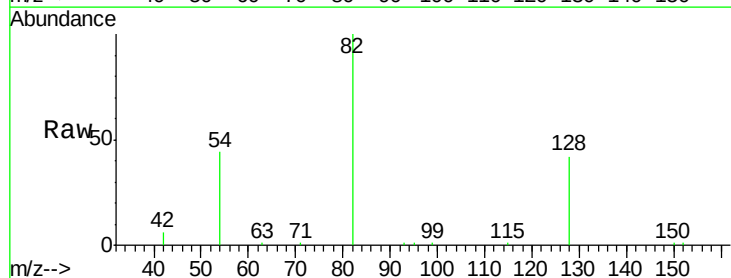
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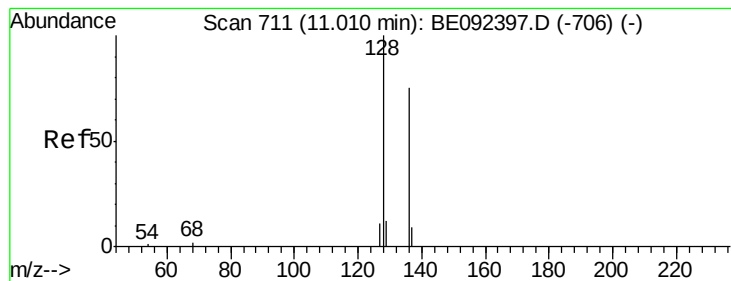
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#8
Nitrobenzene-d5
Concen: 6.87 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092410.D
Acq: 23 Sep 2016 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	42.4	39.0	58.4	
54	43.7	44.8	67.2	





#9

Naphthalene

Concen: 1.65 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092410.D

Acq: 23 Sep 2016 10:53

Instrument :

BNA_E

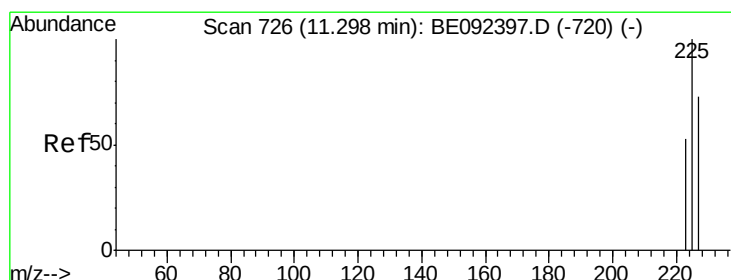
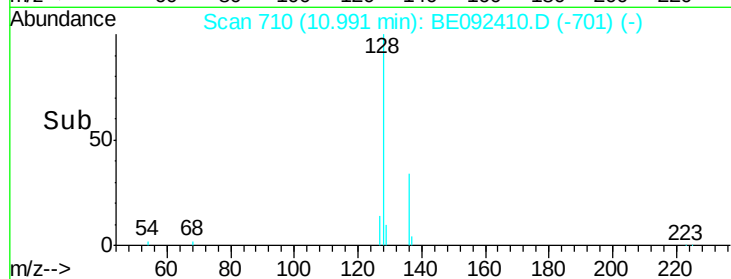
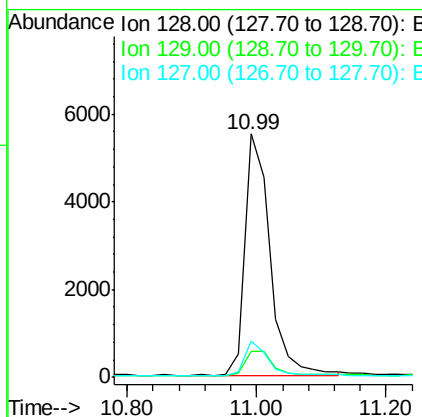
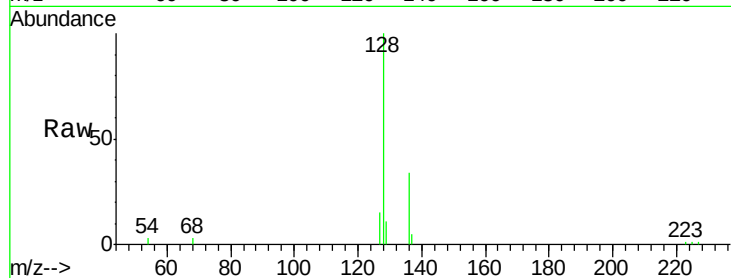
ClientSampleId :

PT-BN-WPDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		14622		
129	10.9		11.2	16.8#	
127	14.9		11.6	17.4	

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#10

Hexachlorobutadiene

Concen: 6.86 ng

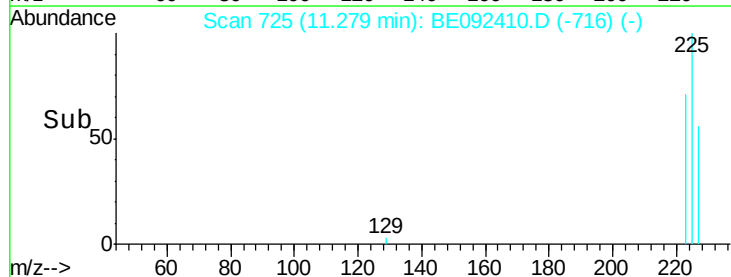
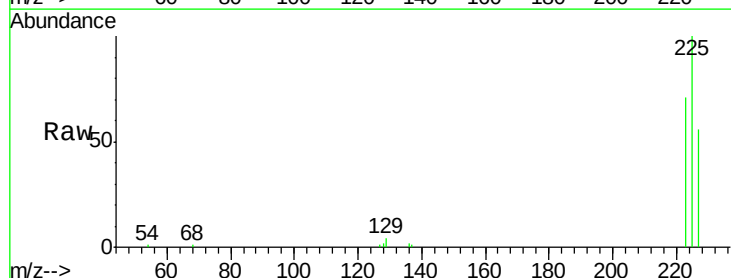
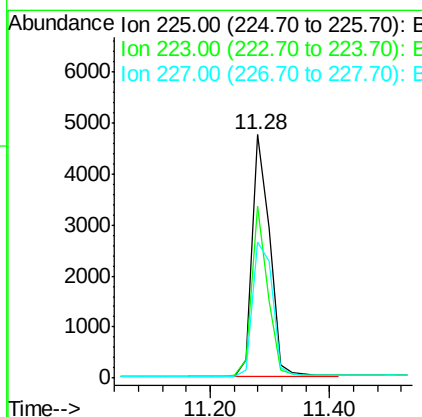
RT: 11.28 min Scan# 725

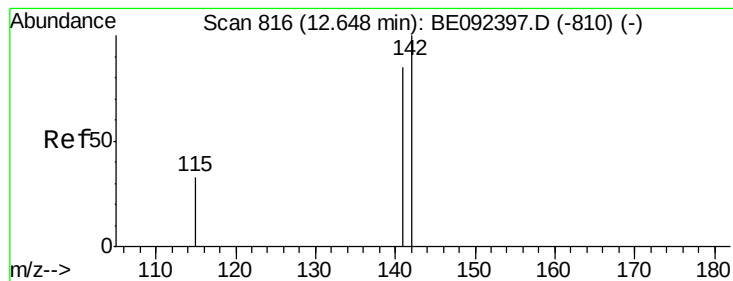
Delta R.T. -0.02 min

Lab File: BE092410.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		9538		
223	63.8		50.6	76.0	
227	63.5		51.4	77.0	





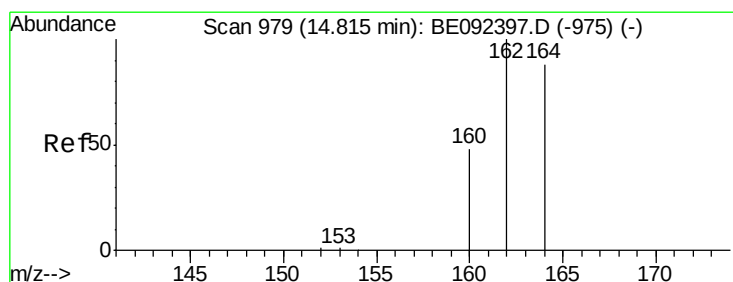
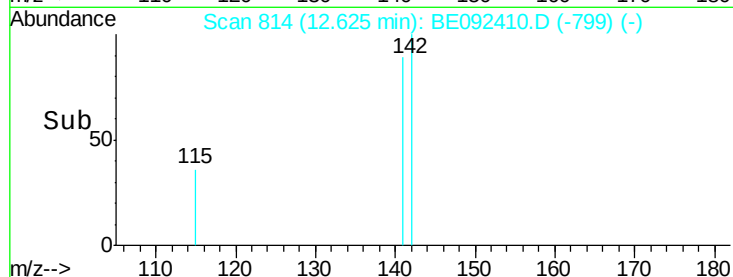
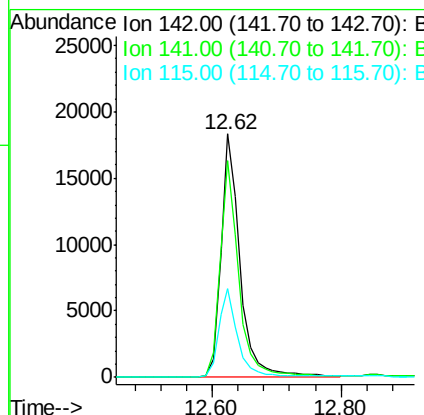
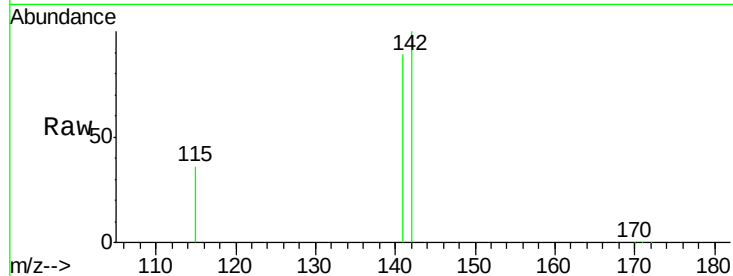
#11
2-Methylnaphthalene
Concen: 6.41 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092410.D
Acq: 23 Sep 2016 10:53

Instrument :
BNA_E
ClientSampled :
PT-BN-WPDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	73.7	110.5
115	36.3	34.0	51.0

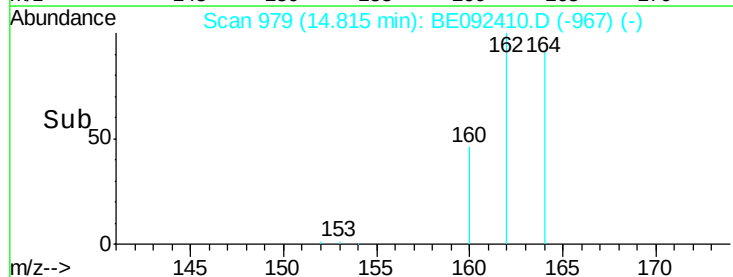
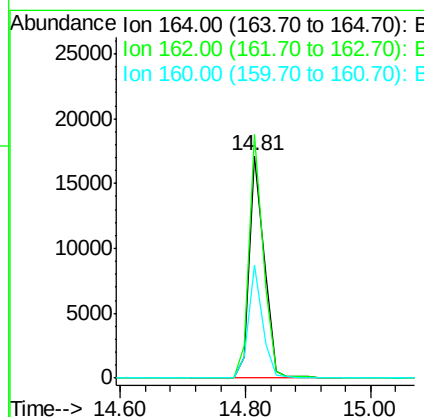
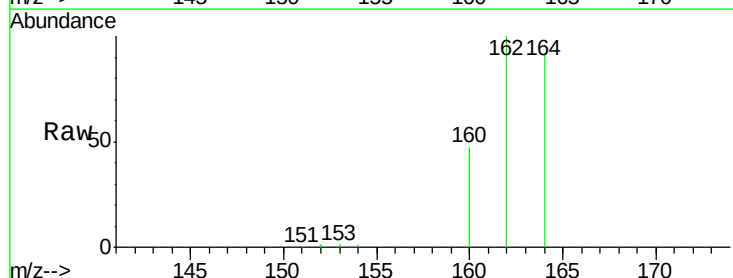
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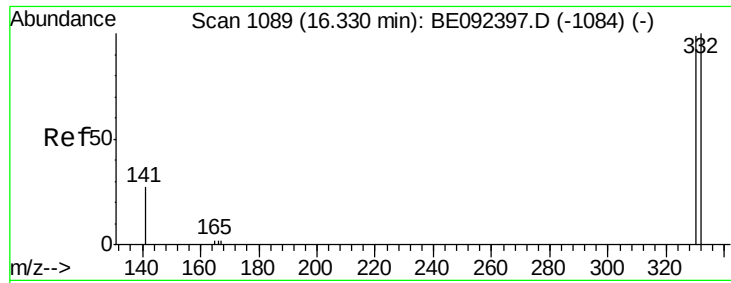
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.81 min Scan# 979
Delta R.T. -0.00 min
Lab File: BE092410.D
Acq: 23 Sep 2016 10:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	109.7	71.4	107.0#
160	51.1	27.4	41.2#





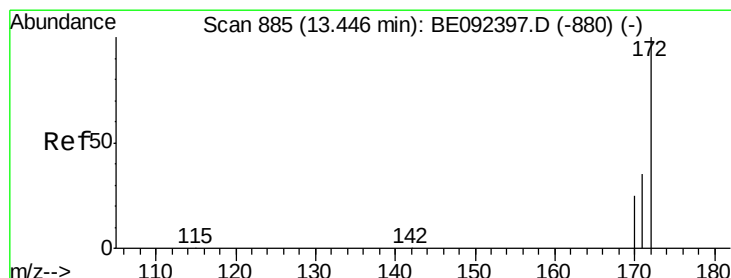
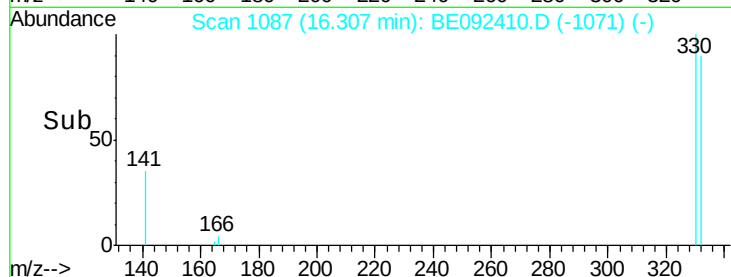
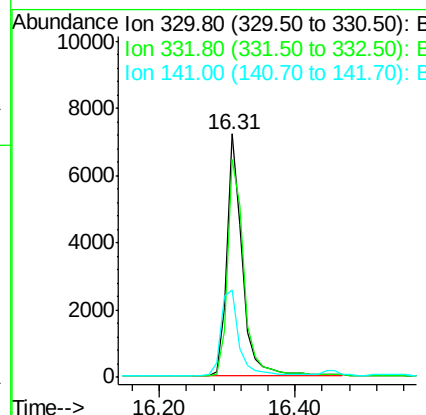
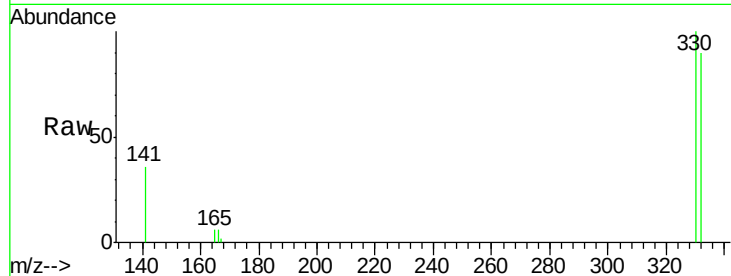
#13
 2,4,6-Tribromophenol
 Concen: 11.72 ng
 RT: 16.31 min Scan# 1087
 Delta R.T. -0.01 min
 Lab File: BE092410.D
 Acq: 23 Sep 2016 10:53

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.4	113.0
141	40.6	31.0	46.6

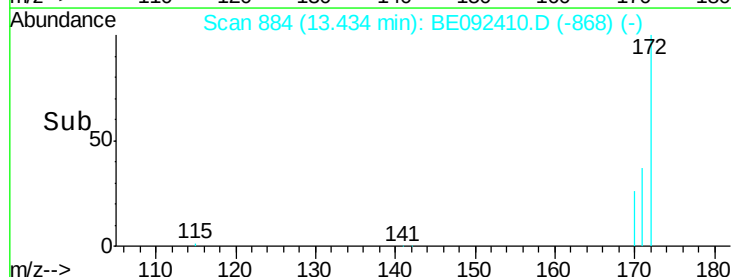
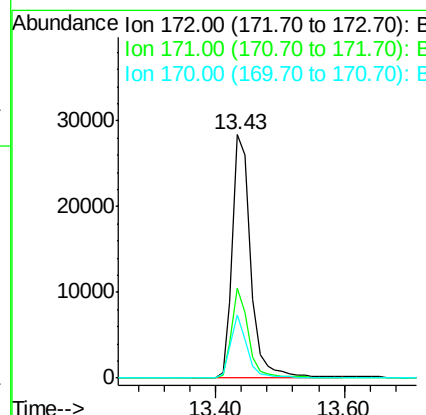
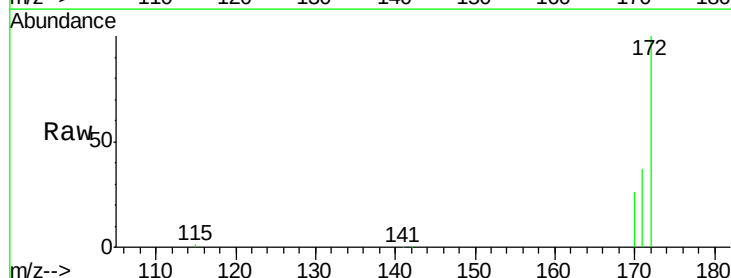
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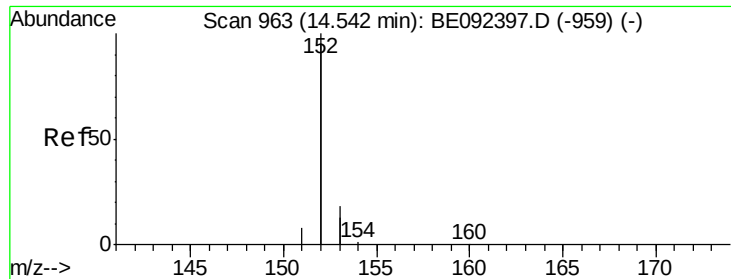
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#14
 2-Fluorobiphenyl
 Concen: 8.47 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092410.D
 Acq: 23 Sep 2016 10:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.1	45.1
170	26.2	21.8	32.6





#15

Acenaphthylene

Concen: 15.31 ng

RT: 14.53 min Scan# 962

Delta R.T. -0.00 min

Lab File: BE092410.D

Acq: 23 Sep 2016 10:53

Instrument :

BNA_E

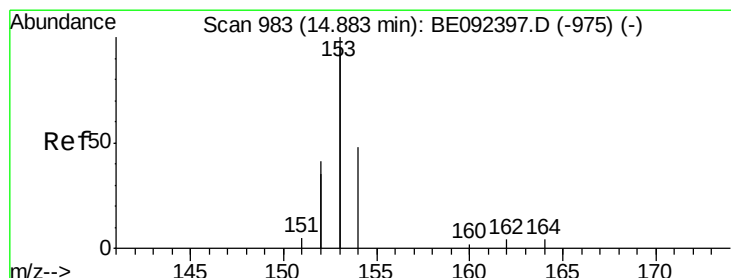
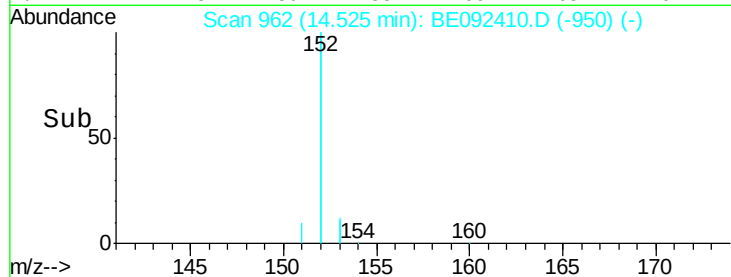
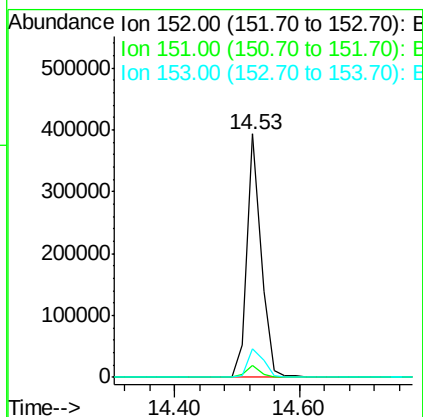
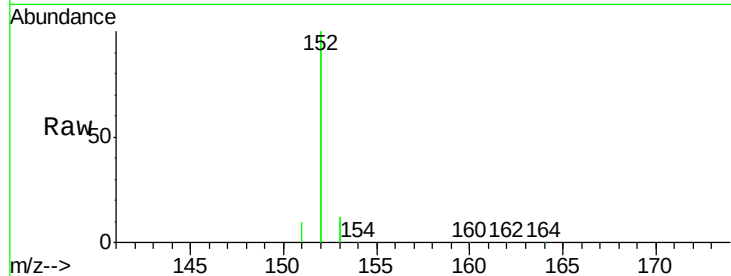
ClientSampleId :

PT-BN-WPDL

Tot Ion:	152	Resp:	616677
Ion Ratio	Lower	Upper	
152	100		
151	5.0	3.9	5.9
153	13.2	10.4	15.6

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#16

Acenaphthene

Concen: 6.34 ng

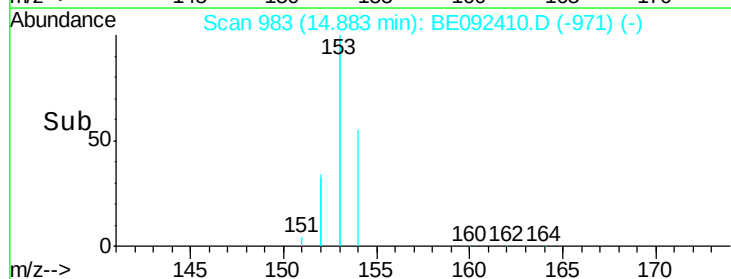
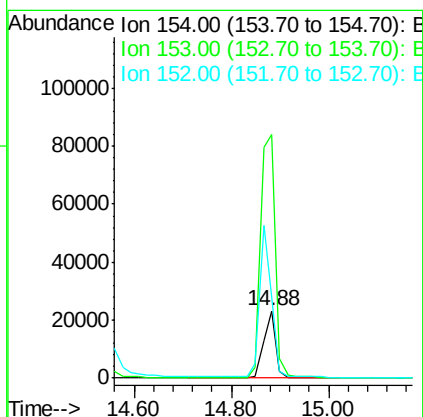
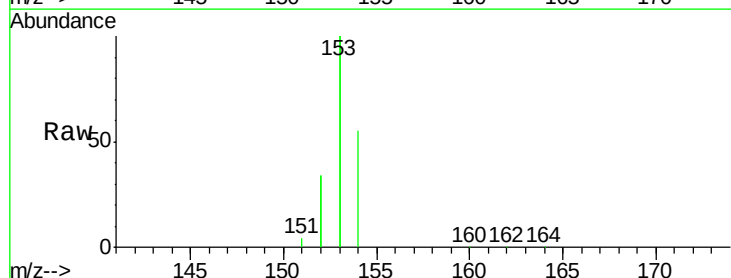
RT: 14.88 min Scan# 983

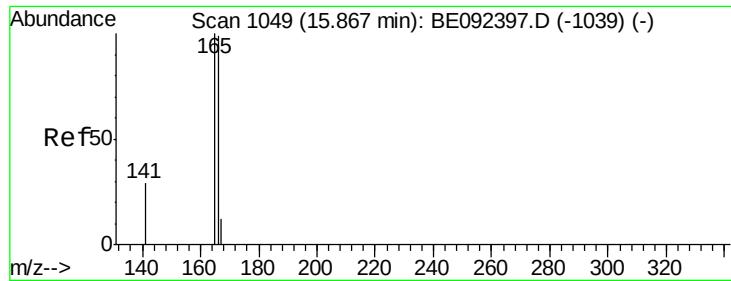
Delta R.T. -0.00 min

Lab File: BE092410.D

Acq: 23 Sep 2016 10:53

Tgt Ion:	154	Resp:	39999
Ion Ratio	Lower	Upper	
154	100		
153	446.9	350.8	526.2
152	223.0	171.1	256.7





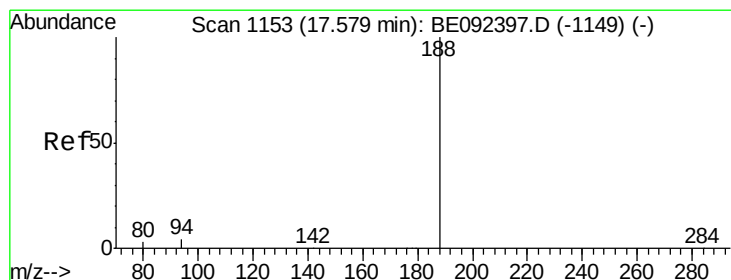
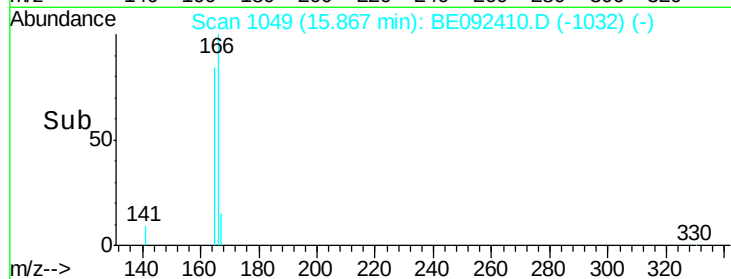
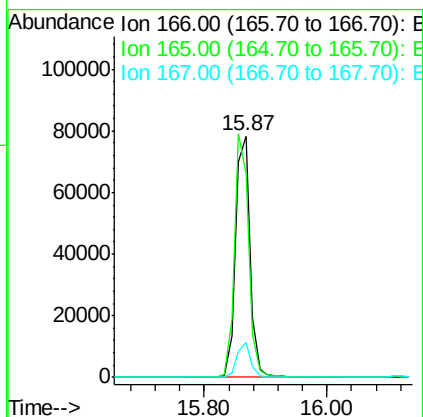
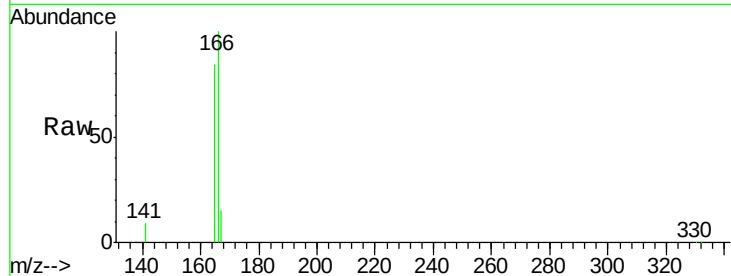
#17
Fluorene
 Concen: 16.19 ng
 RT: 15.87 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: BE092410.D
 Acq: 23 Sep 2016 10:53

Instrument :
 BNA_E
 ClientSampled :
 PT-BN-WPDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.4
167	13.4	11.0	16.4

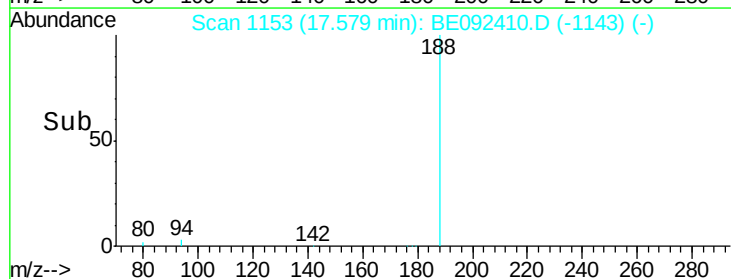
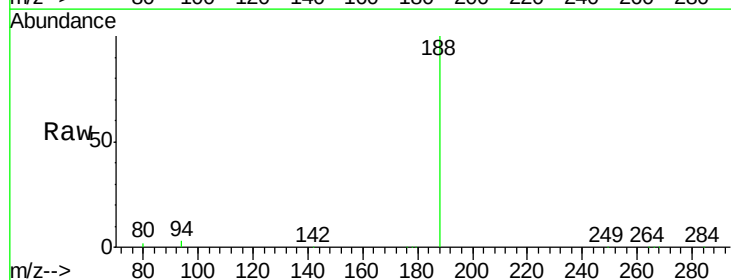
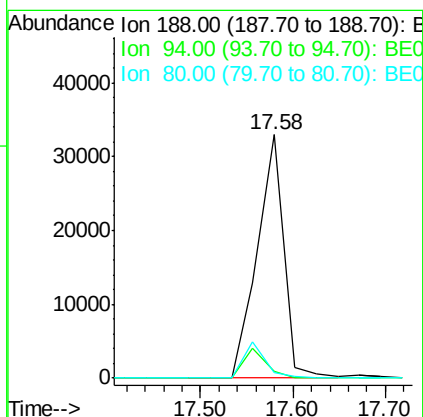
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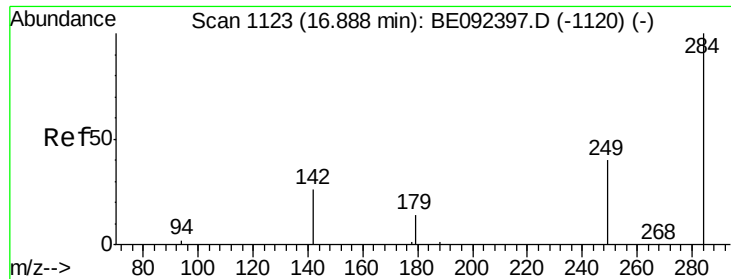
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1153
 Delta R.T. 0.02 min
 Lab File: BE092410.D
 Acq: 23 Sep 2016 10:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.0	3.2	4.8#
80	2.5	2.6	3.8#





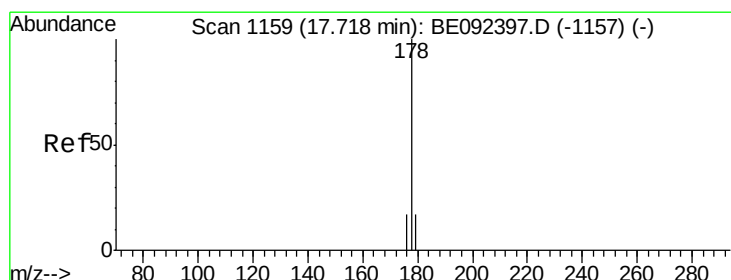
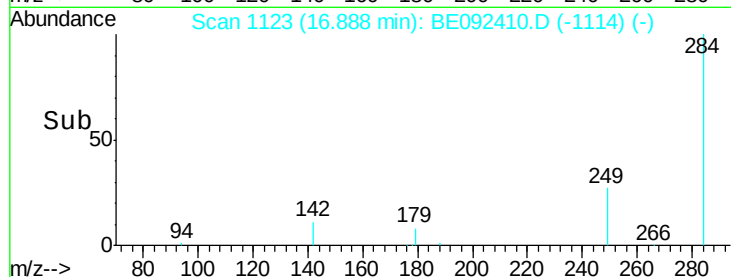
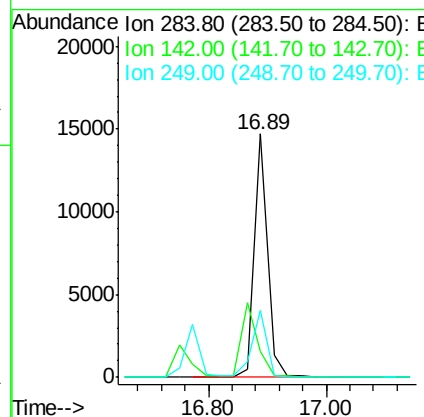
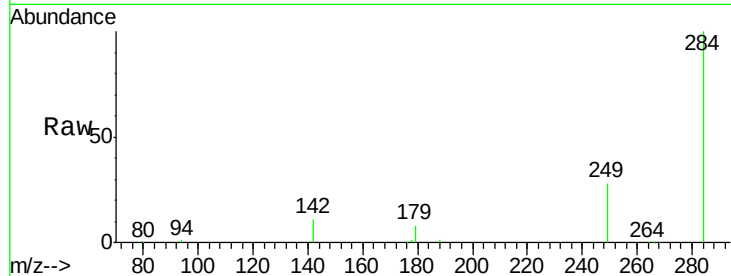
#19
Hexachlorobenzene
Concen: 8.01 ng
RT: 16.89 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE092410.D
Acq: 23 Sep 2016 10:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

Tot Ion	Ratio	Lower	Upper
284	100		
142	0.0	29.1	43.7#
249	30.3	27.9	41.9

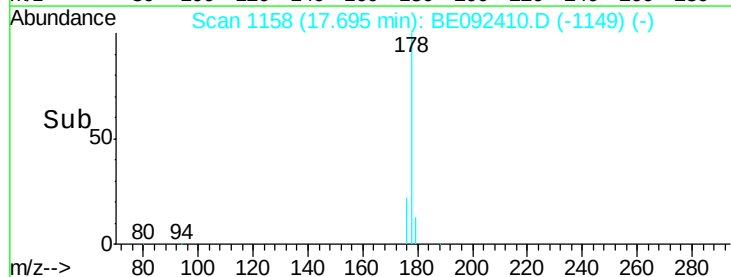
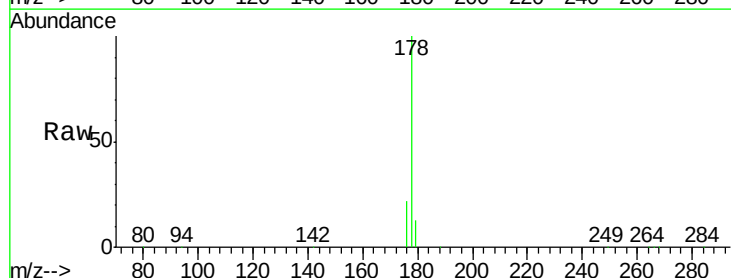
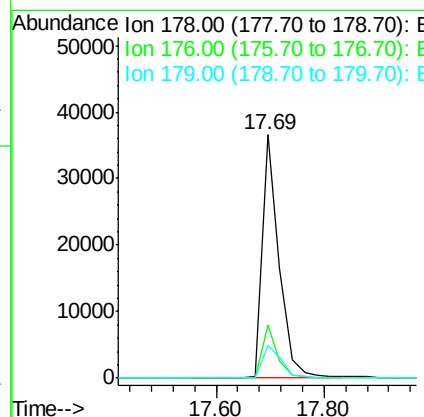
Manual Integrations
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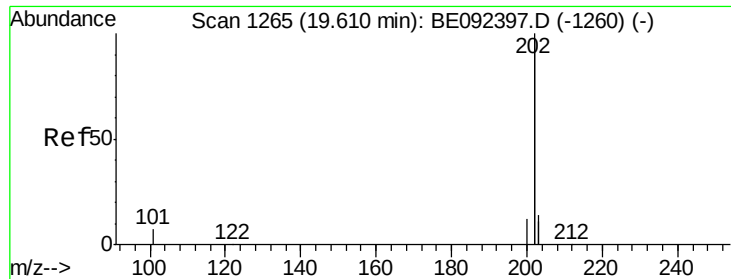
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#22
Anthracene
Concen: 5.43 ng
RT: 17.69 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BE092410.D
Acq: 23 Sep 2016 10:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.0	22.4
179	14.9	12.2	18.2





#23

Fluoranthene

Concen: 14.92 ng

RT: 19.61 min Scan# 1265

Delta R.T. 0.00 min

Lab File: BE092410.D

Acq: 23 Sep 2016 10:53

Instrument :

BNA_E

ClientSampleId :

PT-BN-WPDL

Tot Ion:202 Resp: 1081155

Ion Ratio Lower Upper

202 100

101 3.0 2.2 3.4

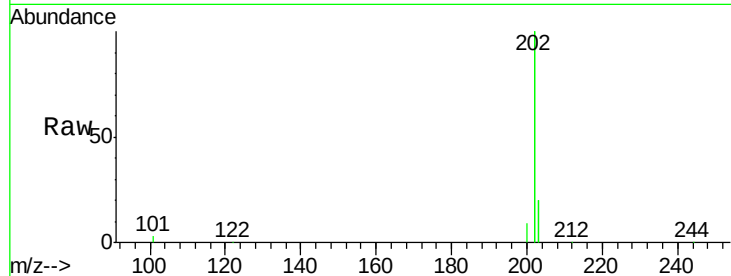
203 18.0 13.7 20.5

Manual Integrations

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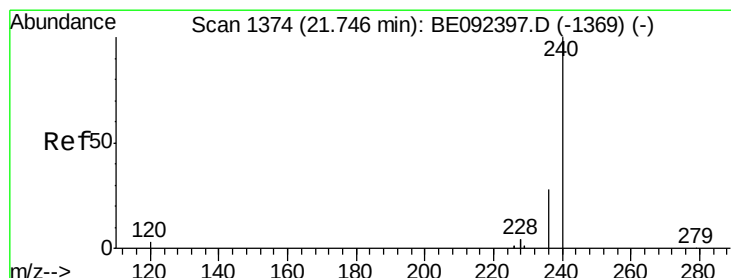
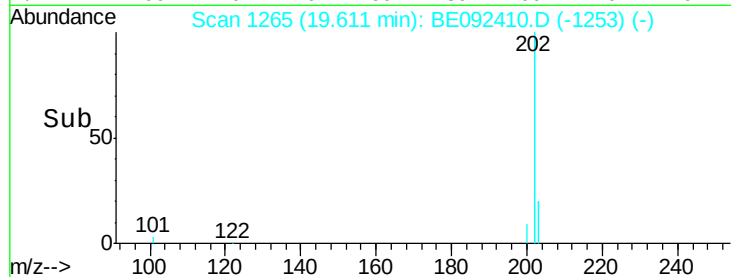
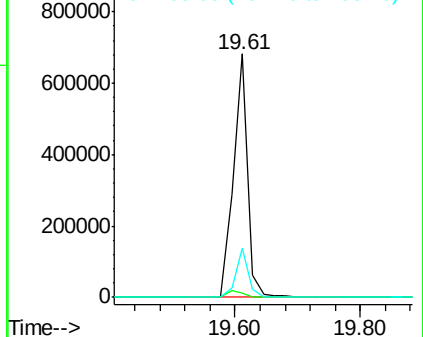
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Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.75 min Scan# 1374

Delta R.T. 0.00 min

Lab File: BE092410.D

Acq: 23 Sep 2016 10:53

Tgt Ion:240 Resp: 96239

Ion Ratio Lower Upper

240 100

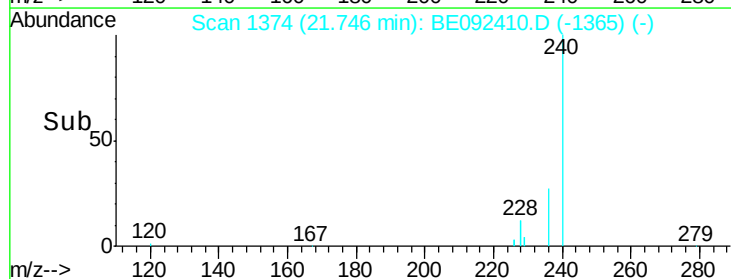
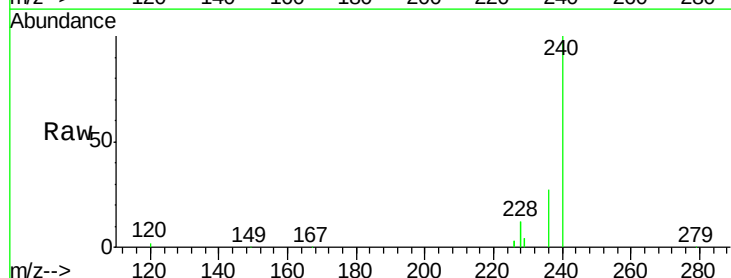
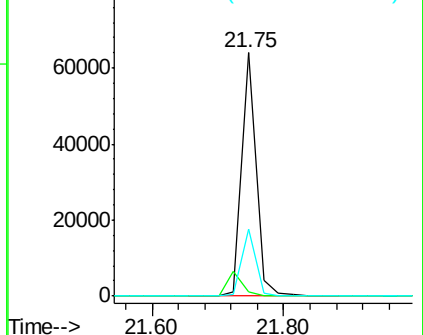
120 1.5 2.6 4.0#

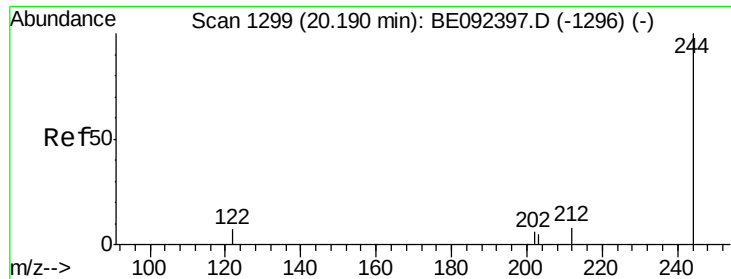
236 27.5 24.6 37.0

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





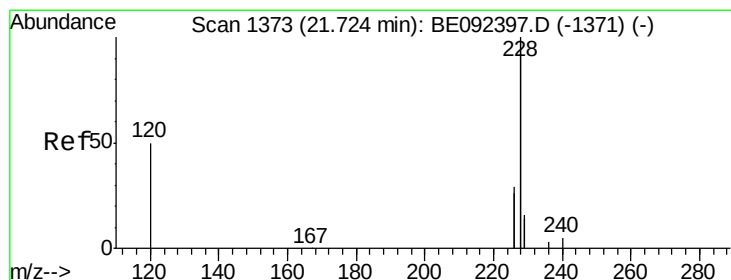
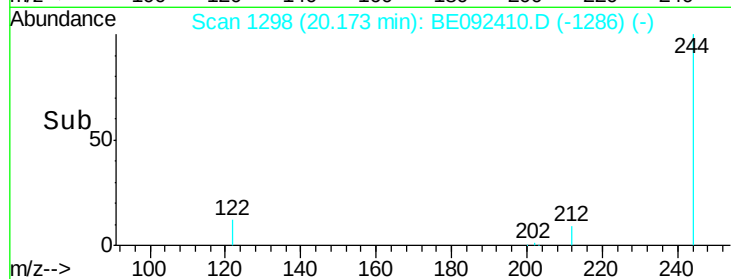
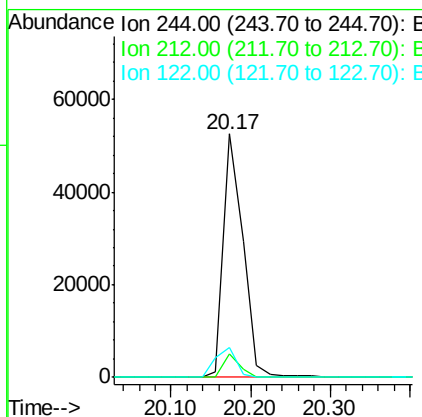
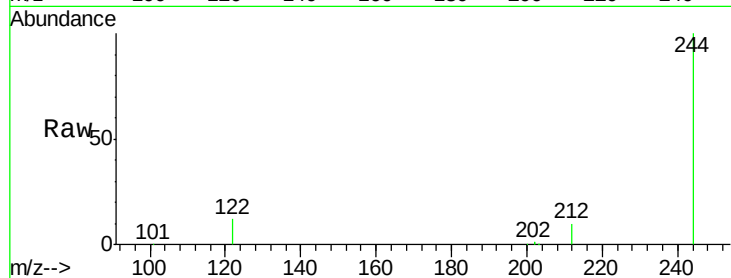
#26
 Terphenyl-d14
 Concen: 7.48 ng
 RT: 20.17 min Scan# 1298
 Delta R.T. 0.00 min
 Lab File: BE092410.D
 Acq: 23 Sep 2016 10:53

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.5	6.7	10.1
122	12.1	3.6	5.4

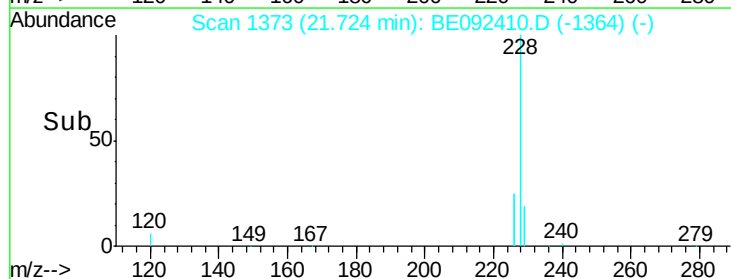
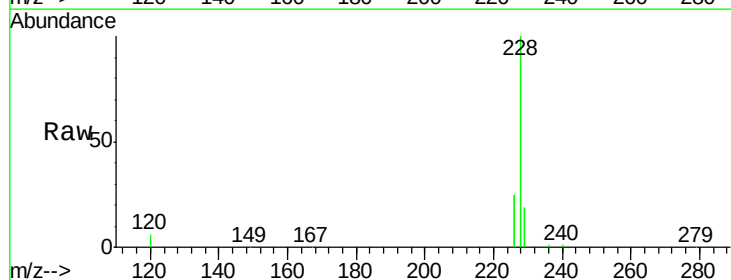
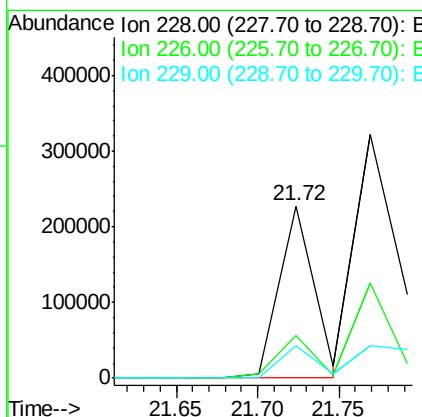
Manual Integrations
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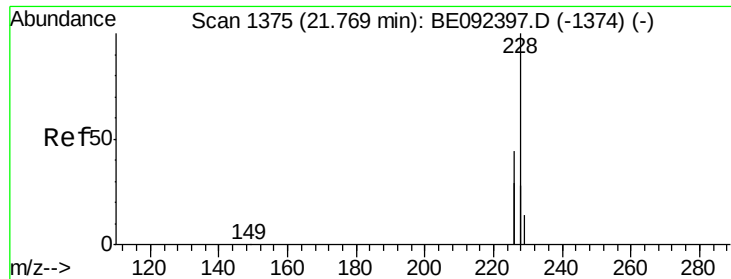
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#27
 Benzo(a)anthracene
 Concen: 3.60 ng m
 RT: 21.72 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: BE092410.D
 Acq: 23 Sep 2016 10:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	24.9	23.6	35.4
229	18.7	13.3	19.9





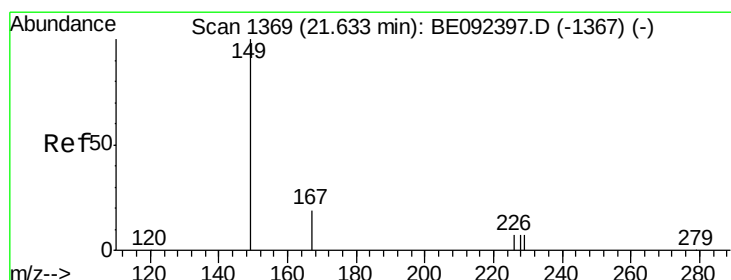
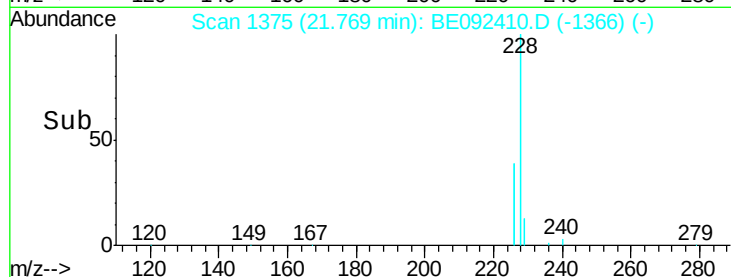
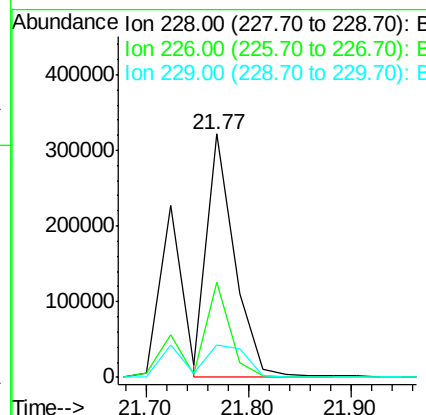
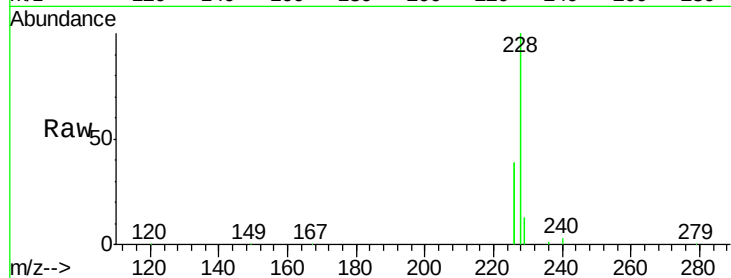
#28
Chrysene
Concen: 7.14 ng/mL
RT: 21.77 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092410.D
Acq: 23 Sep 2016 10:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.3	36.3	54.5
229	13.4	10.6	16.0

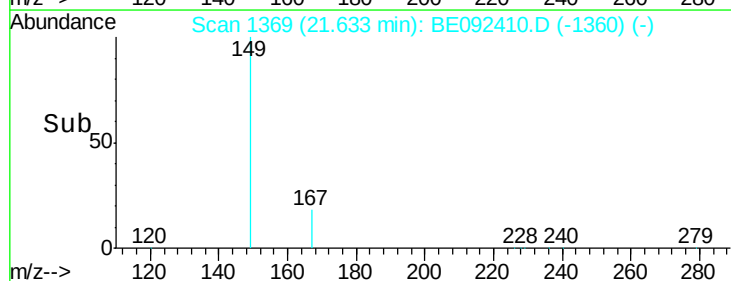
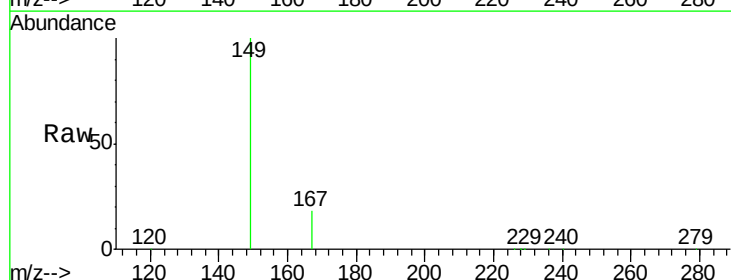
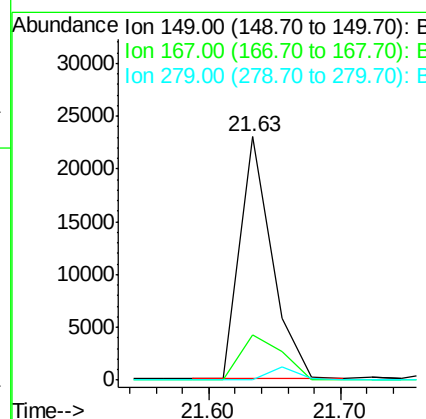
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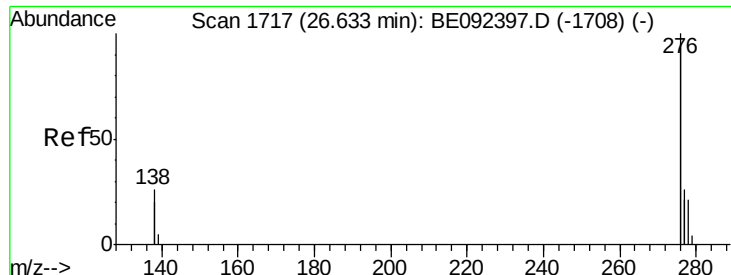
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#29
Bis(2-ethylhexyl)phthalate
Concen: 4.87 ng/mL
RT: 21.63 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE092410.D
Acq: 23 Sep 2016 10:53

Tgt Ion	Ratio	Lower	Upper
149	100		
167	23.8	16.0	24.0
279	0.0	16.0	24.0#





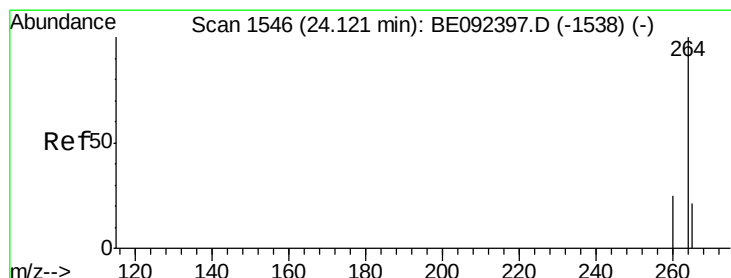
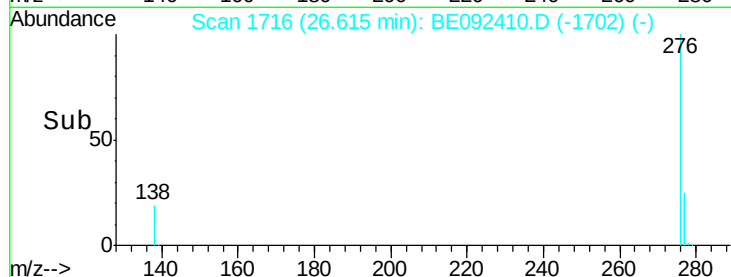
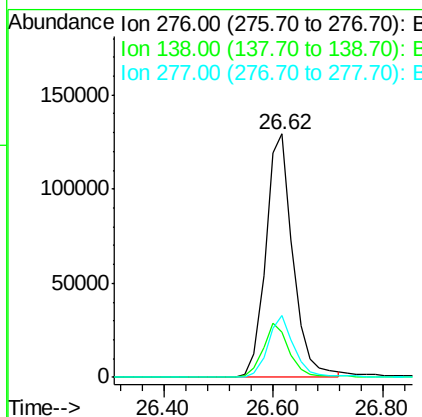
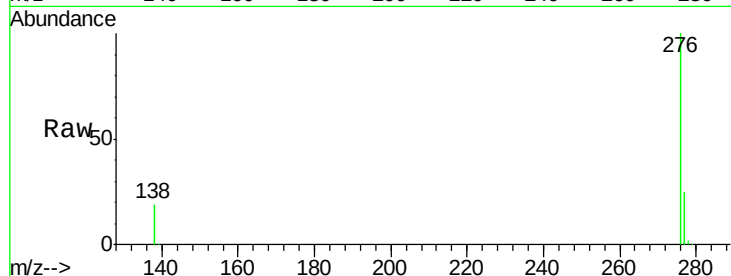
#30
Indeno(1,2,3-cd)pyrene
Concen: 4.90 ng
RT: 26.62 min Scan# 1716
Delta R.T. 0.03 min
Lab File: BE092410.D
Acq: 23 Sep 2016 10:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WPDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.2	20.3	30.5
277	23.9	19.7	29.5

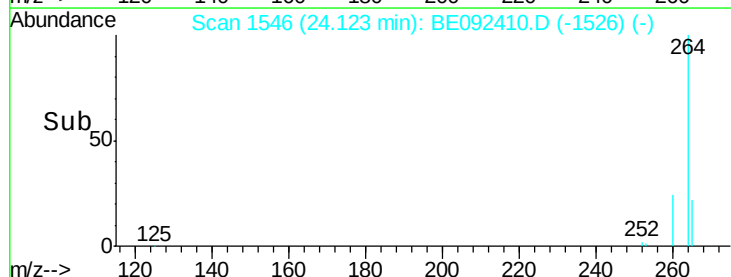
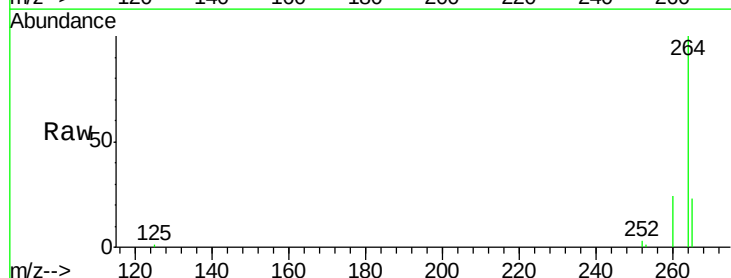
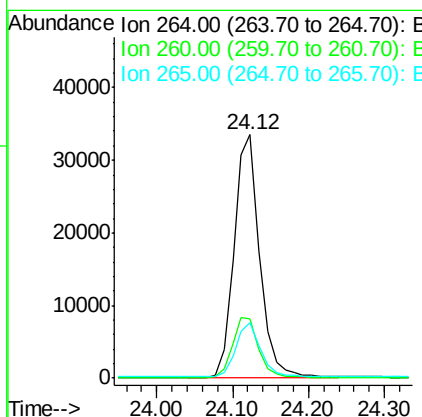
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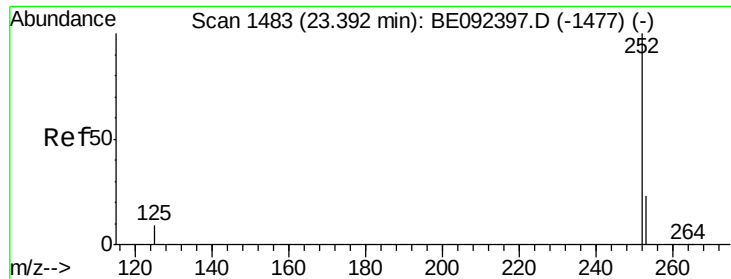
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#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1546
Delta R.T. 0.04 min
Lab File: BE092410.D
Acq: 23 Sep 2016 10:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	20.1	30.1
265	22.8	17.9	26.9





#32

Benzo(b)fluoranthene

Concen: 6.51 ng

RT: 23.38 min Scan# 1482

Delta R.T. 0.02 min

Lab File: BE092410.D

Acq: 23 Sep 2016 10:53

Instrument :

BNA_E

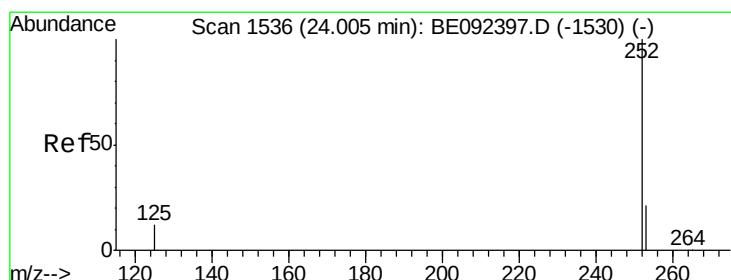
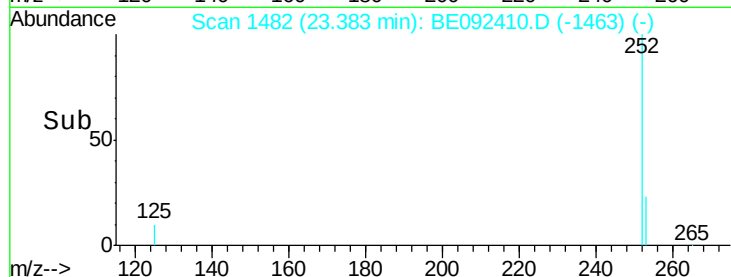
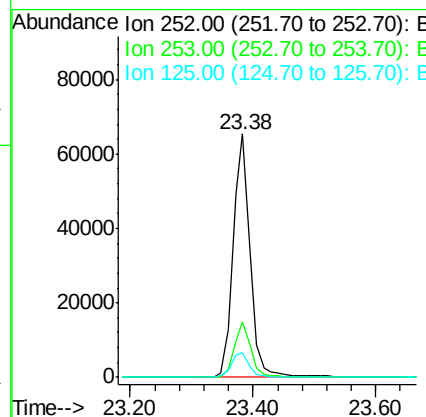
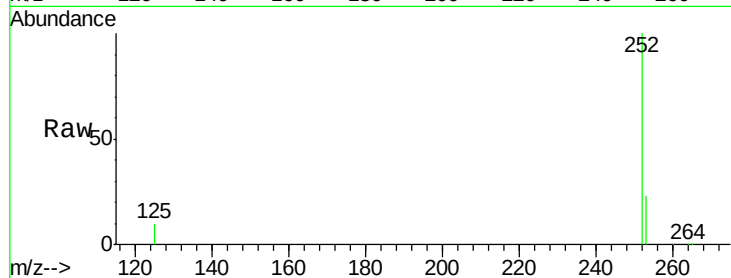
ClientSampleId :

PT-BN-WPDL

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.7	18.7	28.1
125	10.0	10.5	15.7

Manual Integrations
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#34

Benzo(a)pyrene

Concen: 12.14 ng

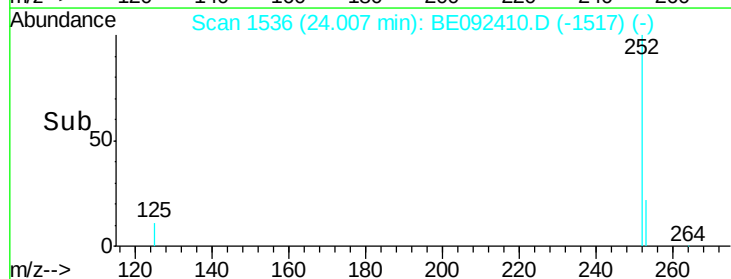
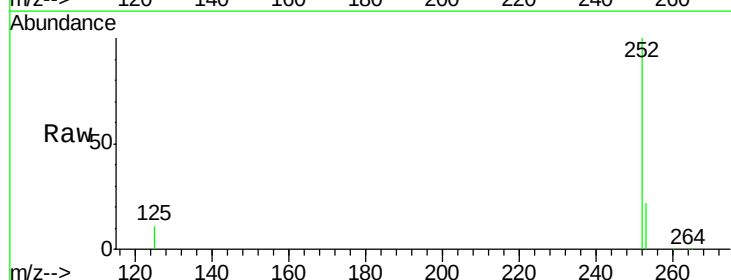
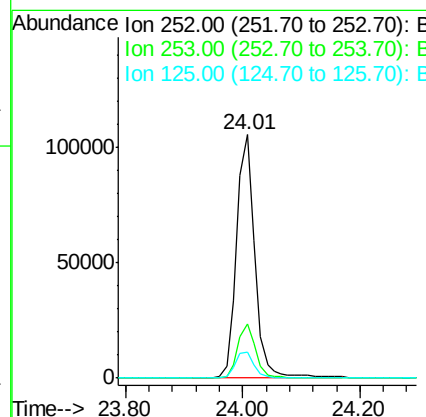
RT: 24.01 min Scan# 1536

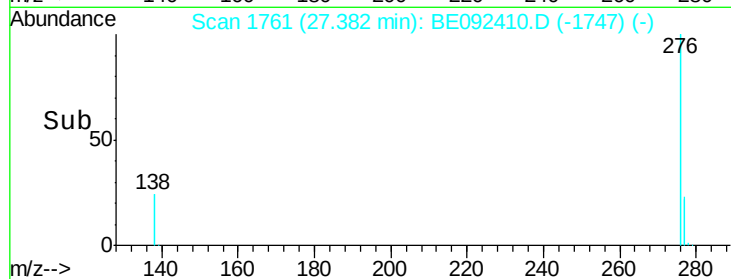
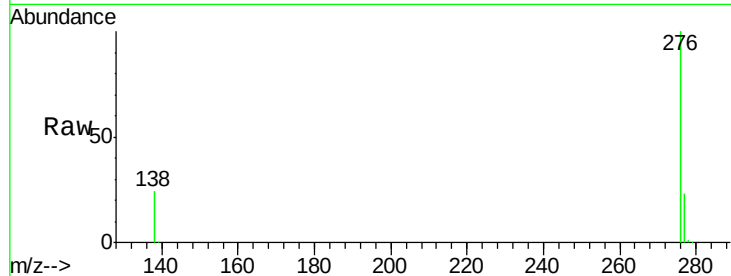
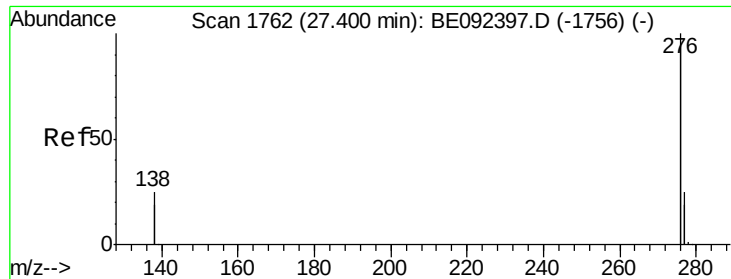
Delta R.T. 0.02 min

Lab File: BE092410.D

Acq: 23 Sep 2016 10:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.1	19.0	28.6
125	10.9	11.8	17.8





#36
 Benzo(a,h,i)perylene
 Concen: 10.63 ng
 RT: 27.38 min Scan# 1761
 Delta R.T. 0.03 min
 Lab File: BE092410.D
 Acq: 23 Sep 2016 10:53

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WPDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.8	29.8
138	23.9	19.8	29.6

Manual Integrations
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