

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092316\
 Data File : BE092409.D
 Acq On : 23 Sep 2016 10:14
 Operator : UM/SJ
 Sample : H4803-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WP

Manual Integrations
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Quant Time: Sep 23 14:03:59 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	11418	5.00	ng	-0.02
7) Naphthalene-d8	10.95	136	51697	5.00	ng	0.00
12) Acenaphthene-d10	14.82	164	30785	5.00	ng	0.00
18) Phenanthrene-d10	17.58	188	69491	5.00	ng	0.02
24) Chrysene-d12	21.75	240	80584	5.00	ng	0.00
31) Perylene-d12	24.12	264	90120	5.00	ng	0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.66	112	312590	114.51	ng	-0.02
5) Phenol-d6	7.33	99	465101	119.77	ng	-0.02
8) Nitrobenzene-d5	9.34	82	273882	71.69	ng	-0.02
13) 2,4,6-Tribromophenol	16.31	330	126290	113.56	ng	-0.01
14) 2-Fluorobiphenyl	13.43	172	553500	75.94	ng	-0.01
26) Terphenyl-d14	20.19	244	766341	76.66	ng	0.02
Target Compounds						
6) bis(2-Chloroethyl)ether	7.59	93	413619	134.44	ng	# 27
9) Naphthalene	10.99	128	172250	15.39	ng	# 95
10) Hexachlorobutadiene	11.28	225	105789	60.06	ng	100
11) 2-Methylnaphthalene	12.62	142	401599	54.22	ng	# 90
15) Acenaphthylene	14.53	152	5618541	126.04	ng	99
16) Acenaphthene	14.88	154	381238	54.61	ng	93
17) Fluorene	15.87	166	1001168	113.10	ng	100
19) Hexachlorobenzene	16.89	284	175774	59.09	ng	91
22) Anthracene	17.69	178	724037	47.15	ng	98
23) Fluoranthene	19.61	202	8473846	111.66	ng	# 97
27) Benzo(a)anthracene	21.72	228	2849044m	36.28	ng	
28) Chrysene	21.79	228	5711993m	79.42	ng	
29) Bis(2-ethylhexyl)phthalate	21.66	149	402942	59.59	ng	# 73
30) Indeno(1,2,3-cd)pyrene	26.65	276	4513863	59.16	ng	95
32) Benzo(b)fluoranthene	23.39	252	1163619	53.32	ng	97
34) Benzo(a)pyrene	24.03	252	1985197	92.81	ng	97
36) Benzo(a,h,i)perylene	27.45	276	7521342	89.30	ng	97

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

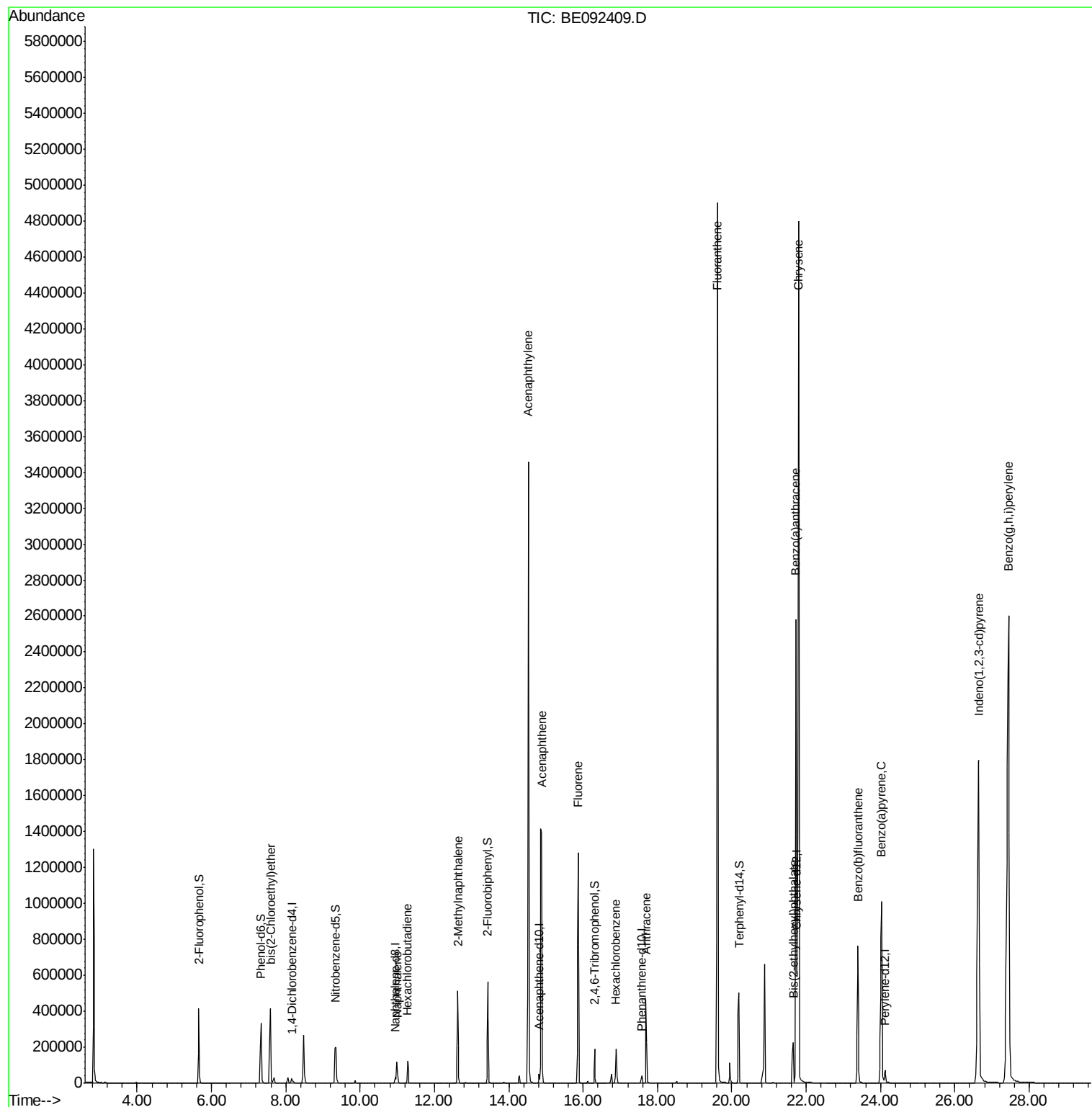
Data Path : Z:\HPCHEM1\BNA E\DATA\BE092316\
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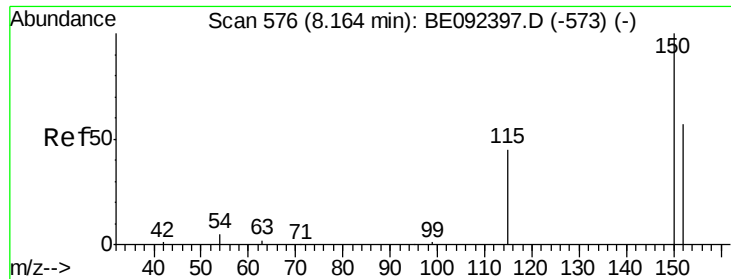
Instrument :
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Quant Time: Sep 23 14:03:59 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.16 min Scan# 576

Delta R.T. -0.02 min

Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

Instrument :

BNA_E

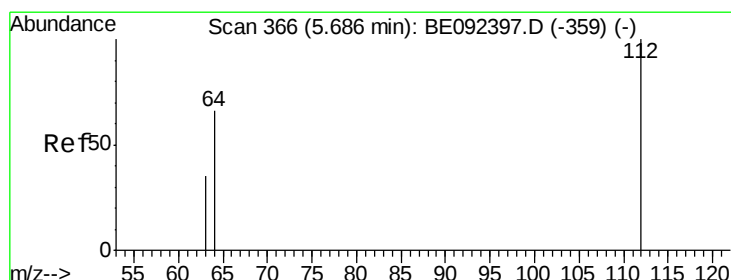
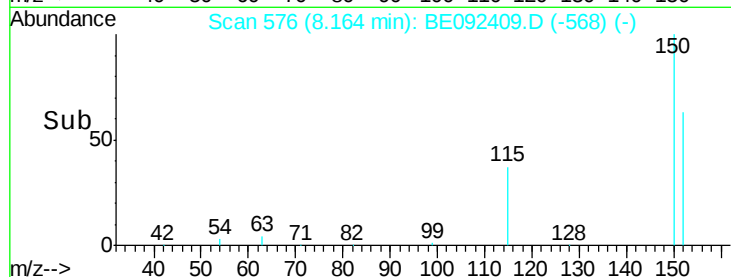
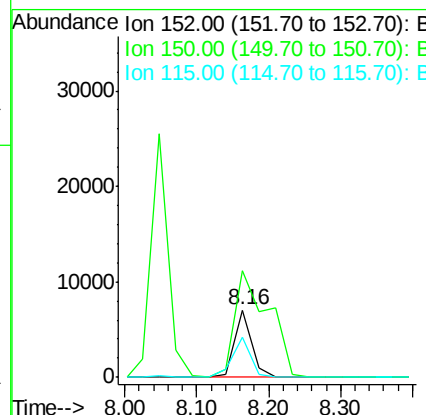
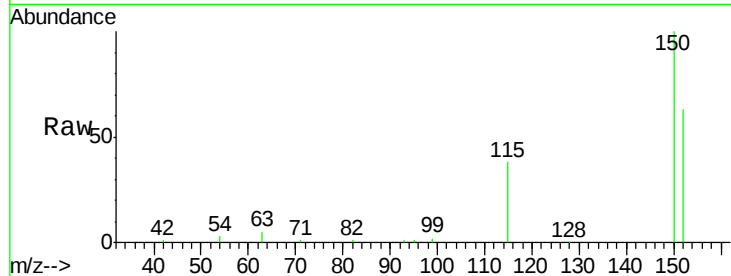
ClientSampleId :

PT-BN-WP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	106.0	159.0
115	59.3	31.2	46.8

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#4

2-Fluorophenol

Concen: 114.51 ng

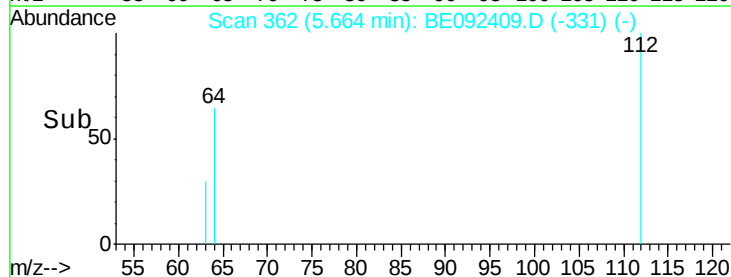
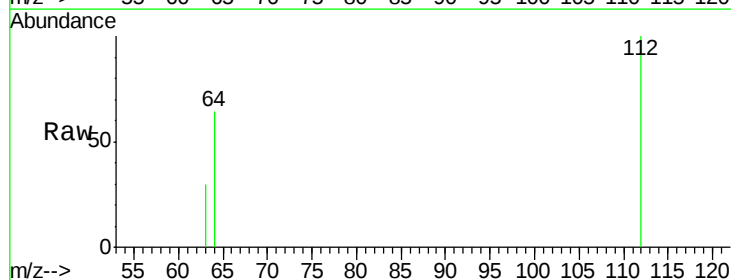
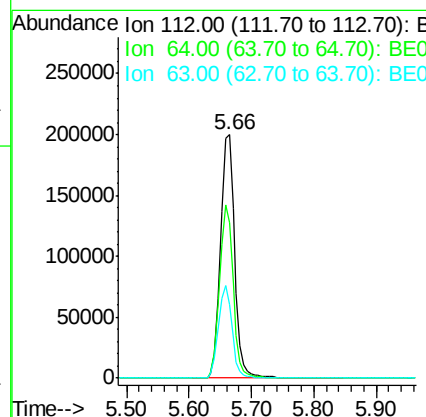
RT: 5.66 min Scan# 362

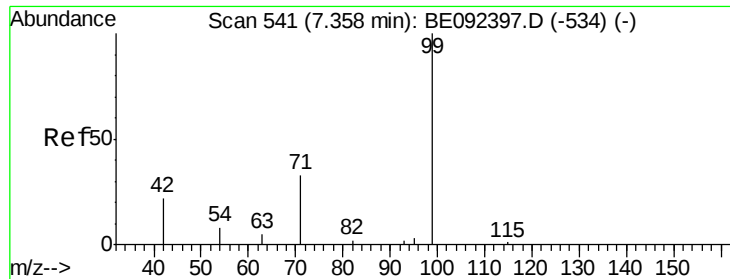
Delta R.T. -0.02 min

Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.6	53.5	80.3
63	36.3	27.9	41.9





#5

Phenol-d6

Concen: 119.77 ng

RT: 7.33 min Scan# 540

Delta R.T. -0.02 min

Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

Instrument :

BNA_E

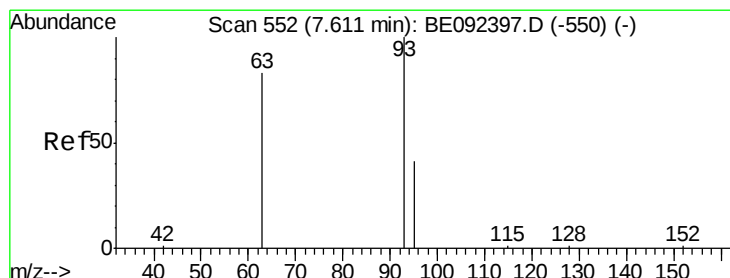
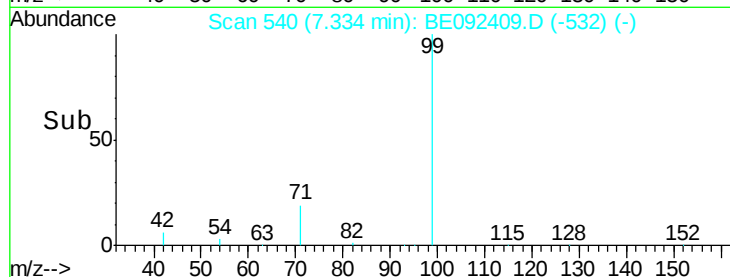
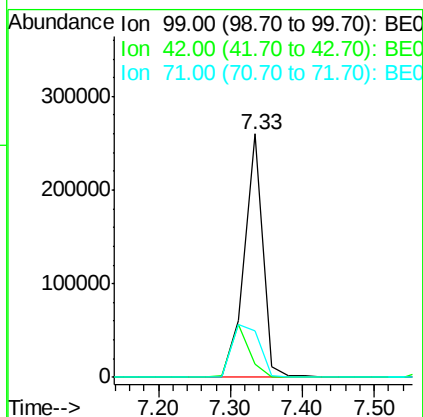
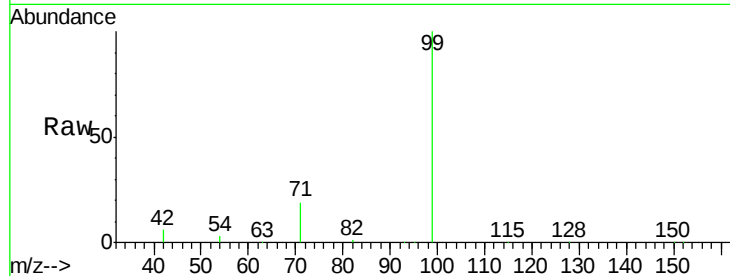
ClientSampleId :

PT-BN-WP

Tot Ion:	99	Resp:	465101
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: 134.44 ng

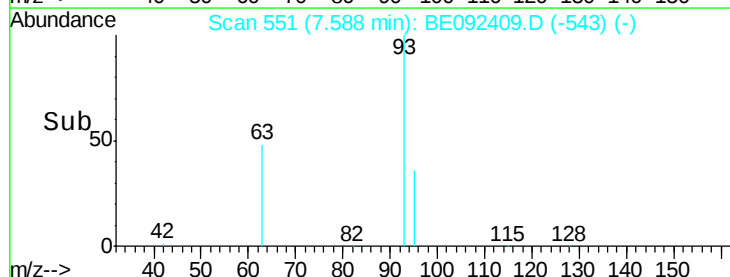
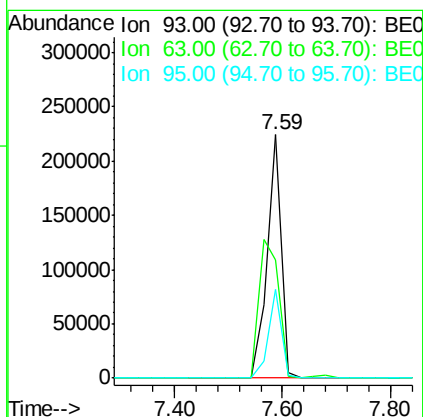
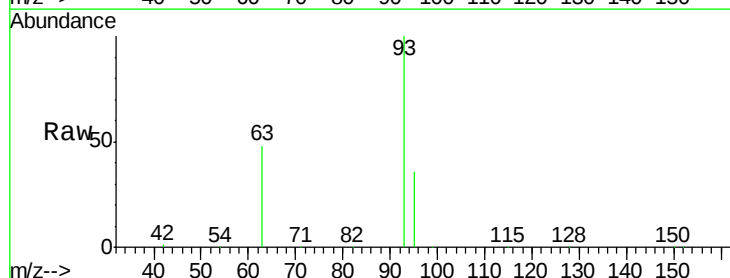
RT: 7.59 min Scan# 551

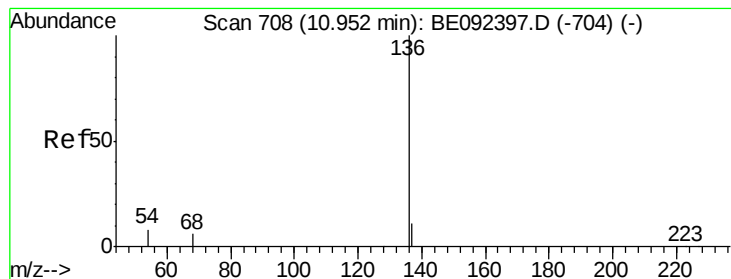
Delta R.T. -0.02 min

Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

Tgt Ion:	93	Resp:	413619
Ion Ratio	Lower	Upper	
93	100		
63	0.0	71.6	107.4#
95	33.4	24.0	36.0





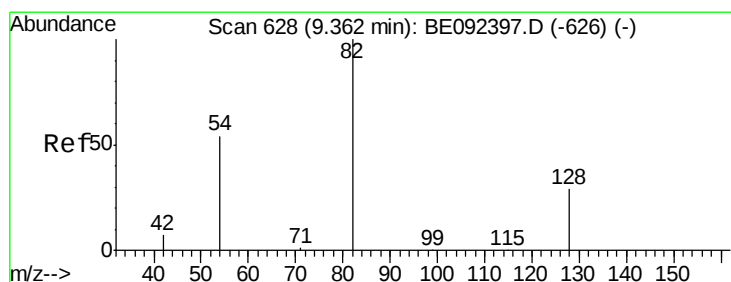
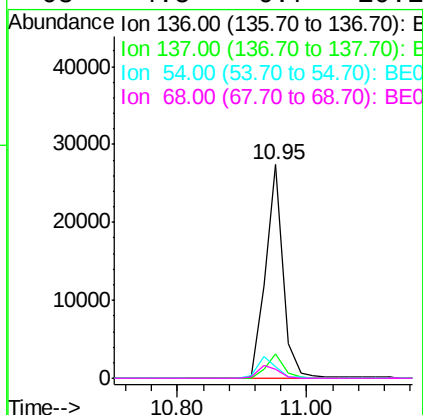
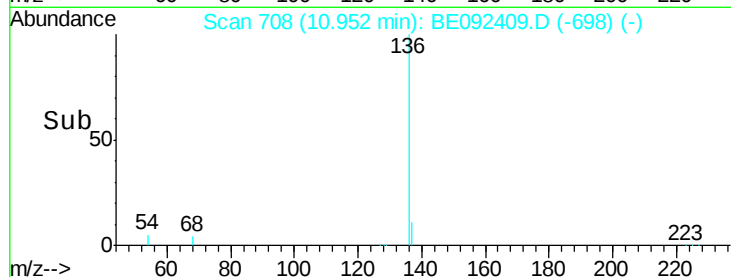
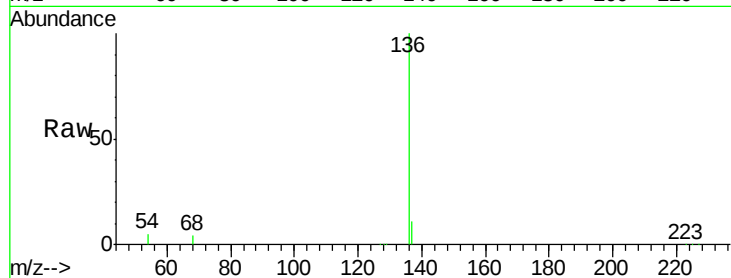
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE092409.D
Acq: 23 Sep 2016 10:14

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.4	8.2	12.4	
54	5.5	9.6	14.4	
68	4.5	6.7	10.1	

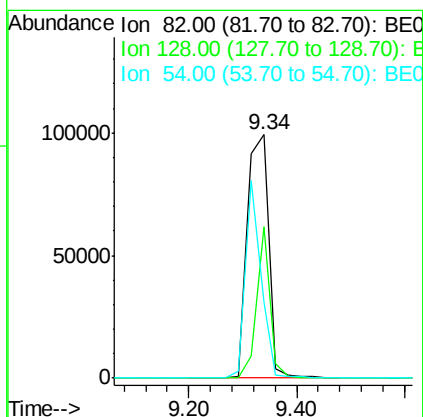
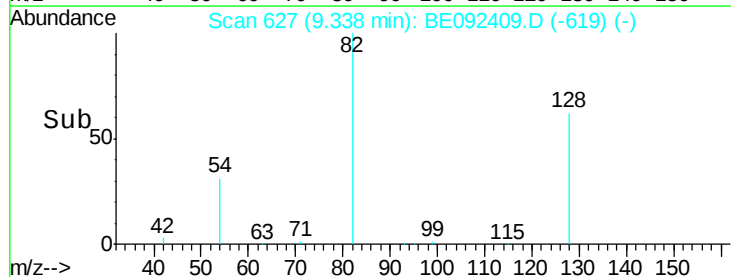
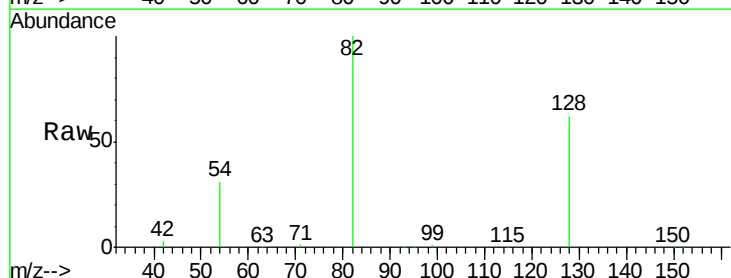
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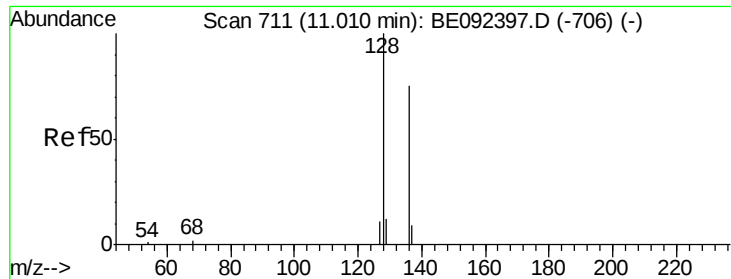
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#8
Nitrobenzene-d5
Concen: 71.69 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092409.D
Acq: 23 Sep 2016 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	62.4	39.0	58.4	
54	31.2	44.8	67.2	





#9

Naphthalene

Concen: 15.39 ng

RT: 10.99 min Scan# 710

Delta R.T. -0.02 min

Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

Instrument :

BNA_E

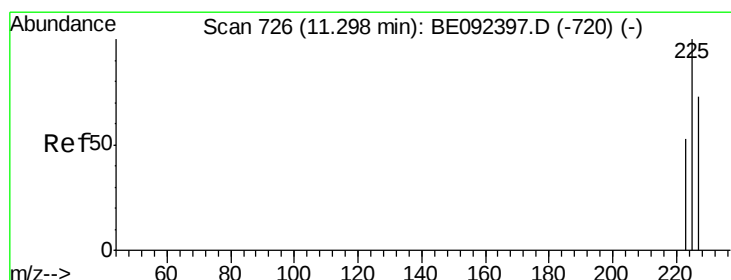
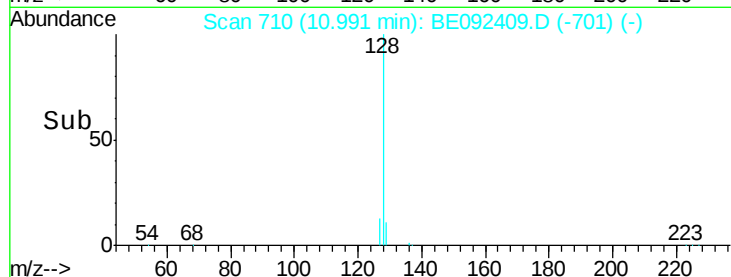
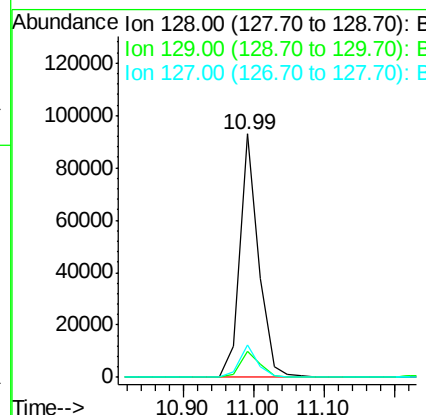
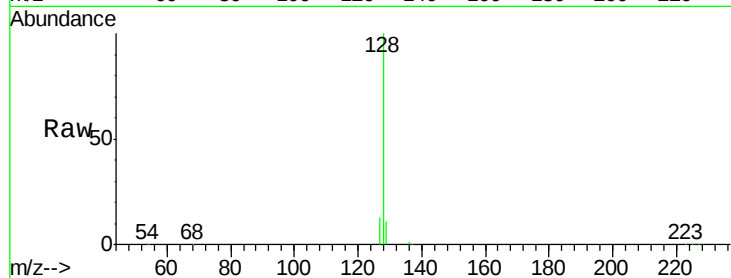
ClientSampleId :

PT-BN-WP

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	11.2	16.8#
127	13.4	11.6	17.4

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#10

Hexachlorobutadiene

Concen: 60.06 ng

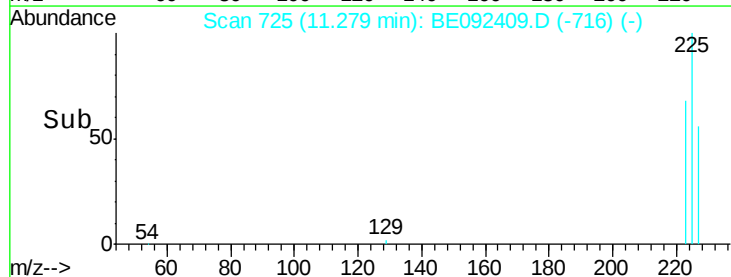
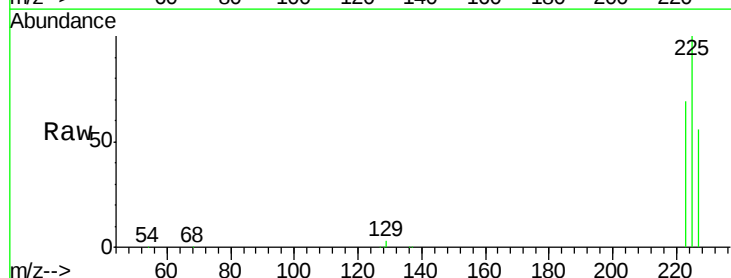
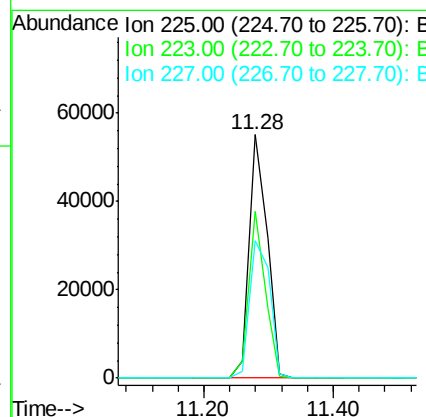
RT: 11.28 min Scan# 725

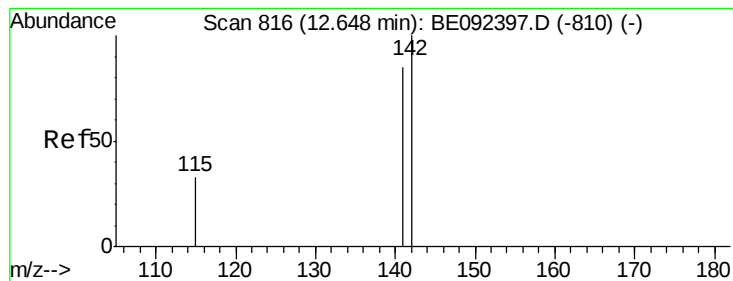
Delta R.T. -0.02 min

Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	76.0
227	64.0	51.4	77.0





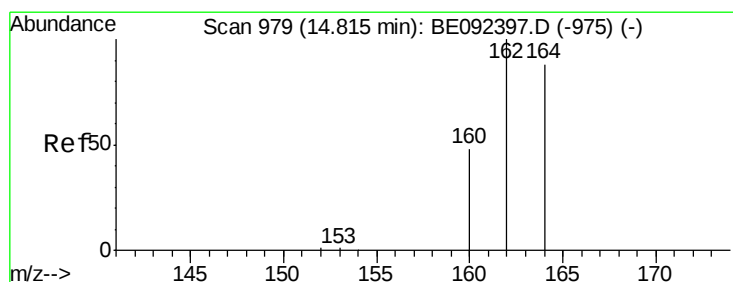
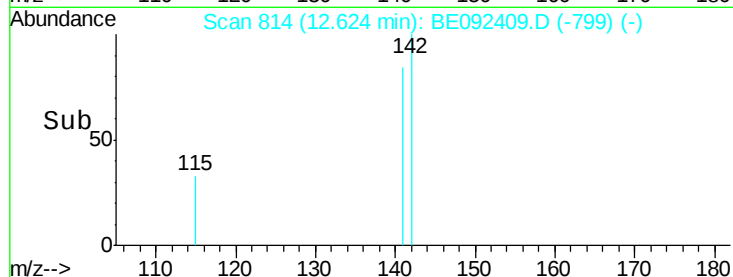
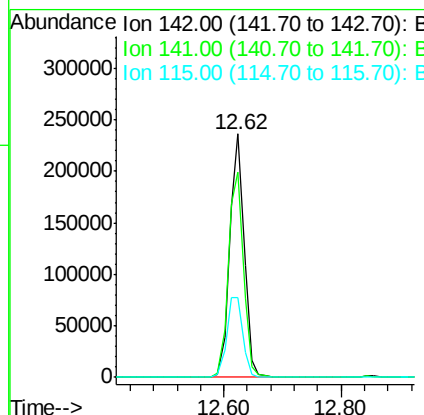
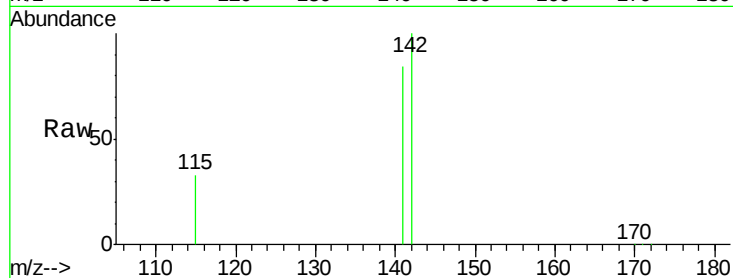
#11
2-Methylnaphthalene
Concen: 54.22 ng
RT: 12.62 min Scan# 814
Delta R.T. -0.02 min
Lab File: BE092409.D
Acq: 23 Sep 2016 10:14

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.5	73.7	110.5
115	33.0	34.0	51.0#

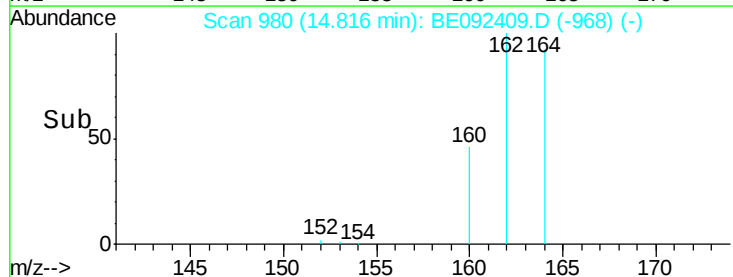
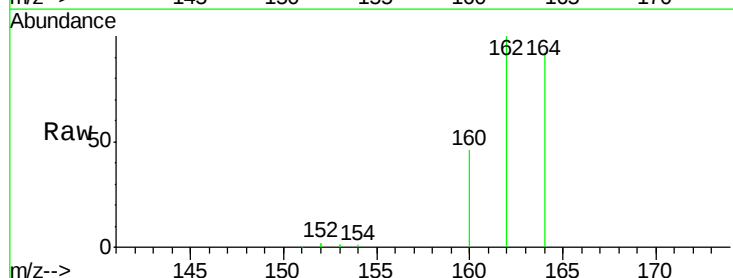
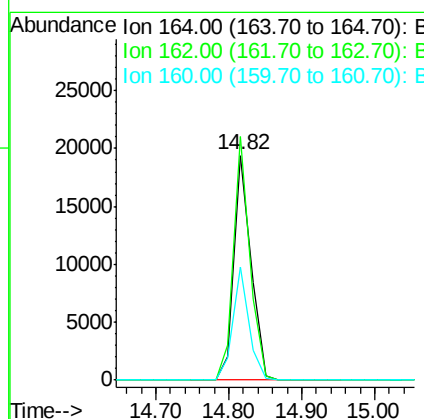
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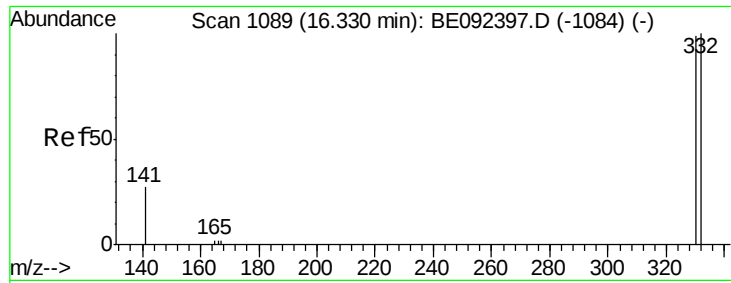
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. 0.00 min
Lab File: BE092409.D
Acq: 23 Sep 2016 10:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.3	71.4	107.0#
160	50.2	27.4	41.2#





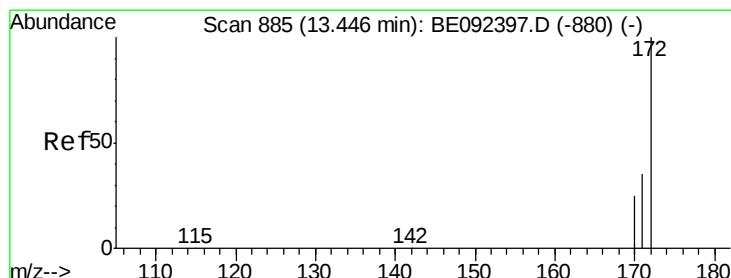
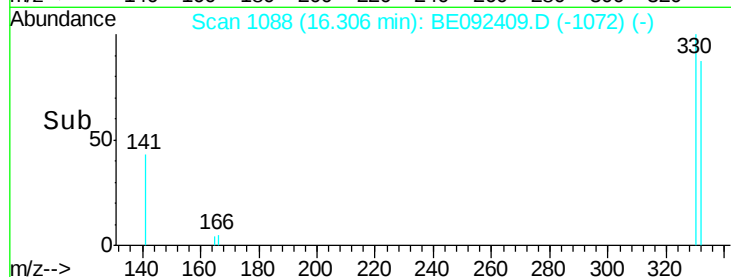
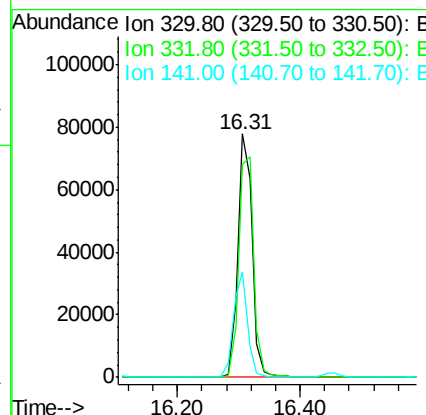
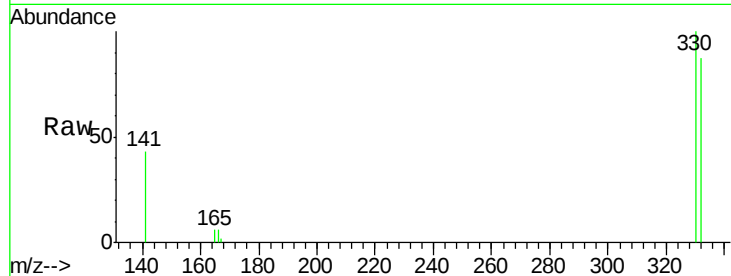
#13
 2,4,6-Tribromophenol
 Concen: 113.56 ng
 RT: 16.31 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: BE092409.D
 Acq: 23 Sep 2016 10:14

Instrument :
 BNA_E
 ClientSampled :
 PT-BN-WP

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	75.4	113.0
141	41.6	31.0	46.6

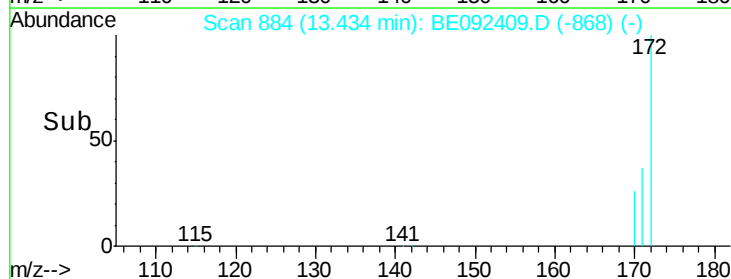
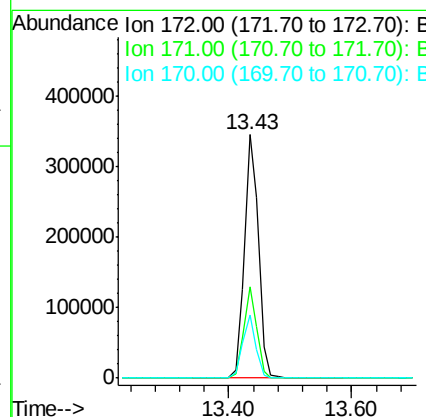
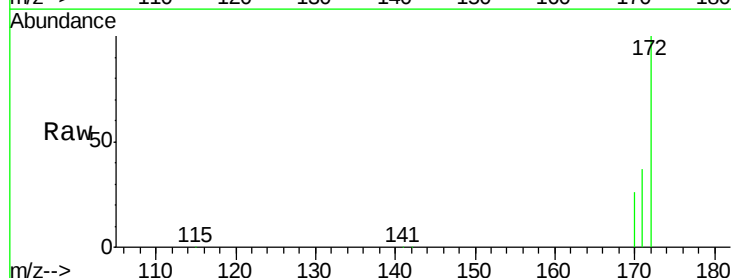
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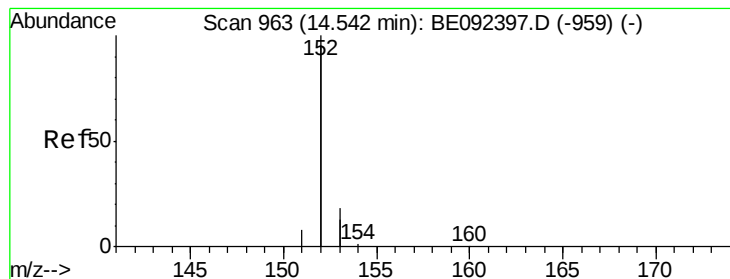
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#14
 2-Fluorobiphenyl
 Concen: 75.94 ng
 RT: 13.43 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BE092409.D
 Acq: 23 Sep 2016 10:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	30.1	45.1
170	26.0	21.8	32.6





#15

Acenaphthylene

Concen: 126.04 ng

RT: 14.53 min Scan# 963

Delta R.T. 0.00 min

Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

Tot Ion:152 Resp: 5618541

Ion Ratio Lower Upper

152 100

151 5.1 3.9 5.9

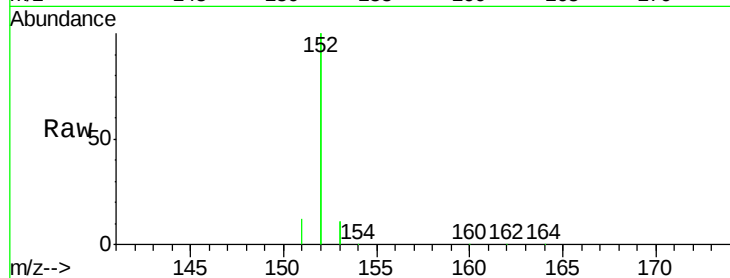
153 13.6 10.4 15.6

Manual Integrations

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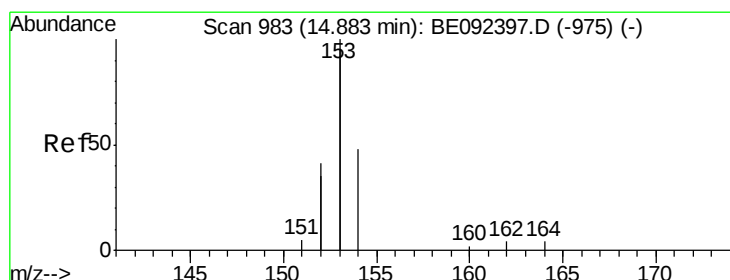
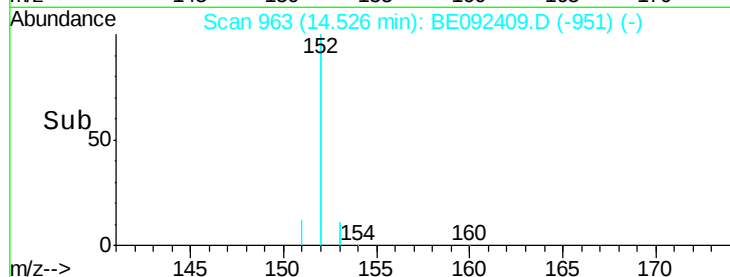
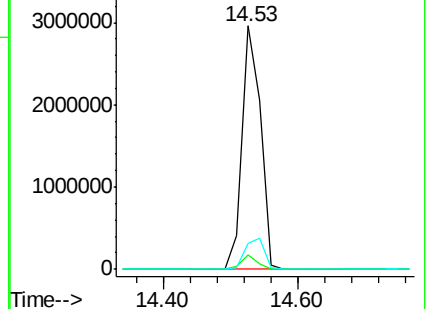
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 54.61 ng

RT: 14.88 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

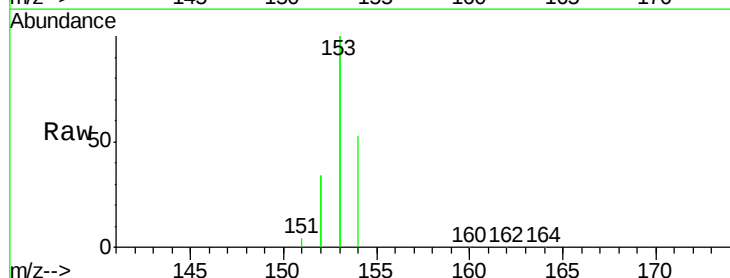
Tgt Ion:154 Resp: 381238

Ion Ratio Lower Upper

154 100

153 455.1 350.8 526.2

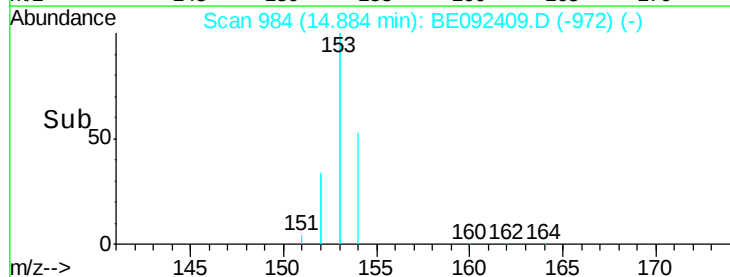
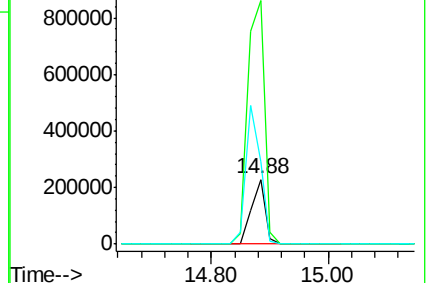
152 224.1 171.1 256.7

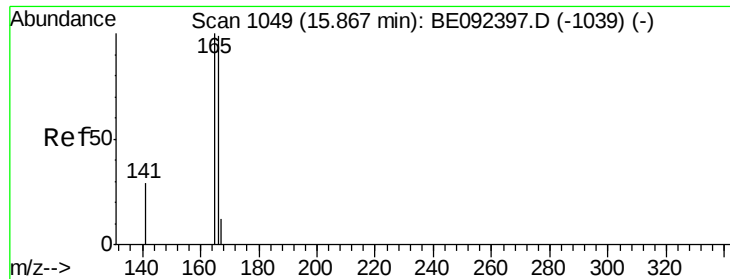


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





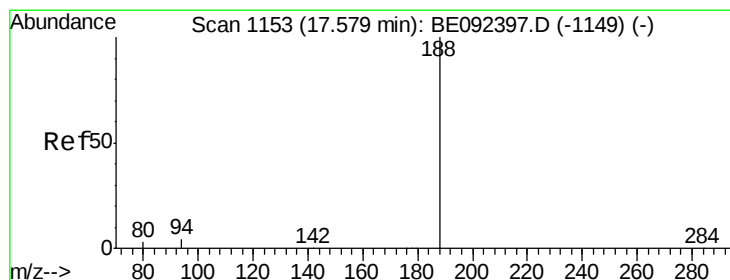
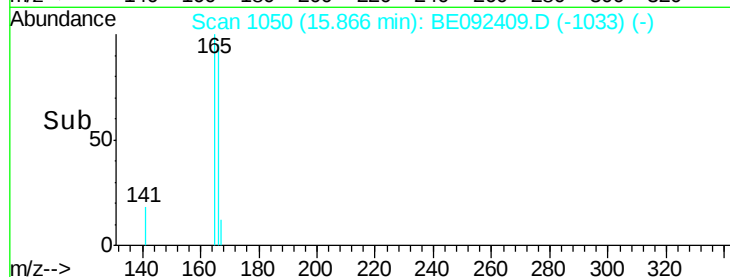
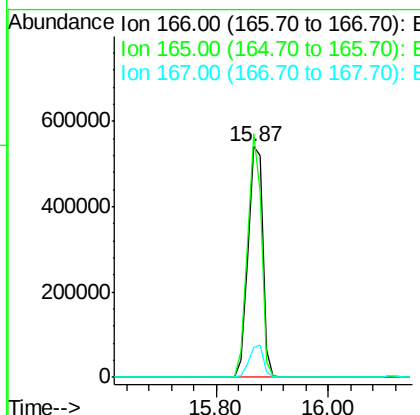
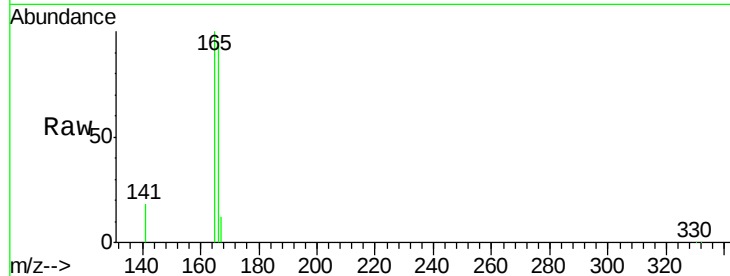
#17
Fluorene
 Concen: 113.10 ng
 RT: 15.87 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: BE092409.D
 Acq: 23 Sep 2016 10:14

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WP

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.3	78.2	117.4
167	13.7	11.0	16.4

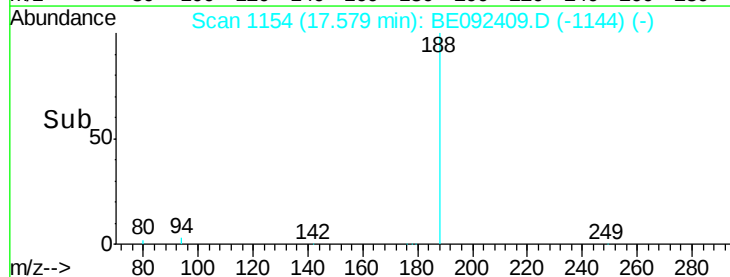
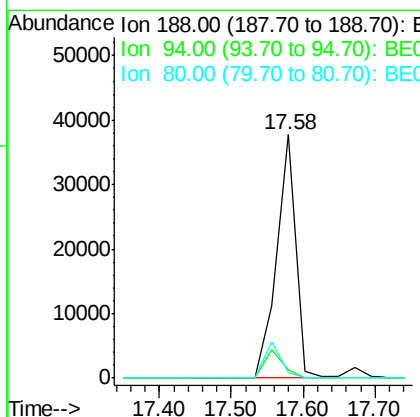
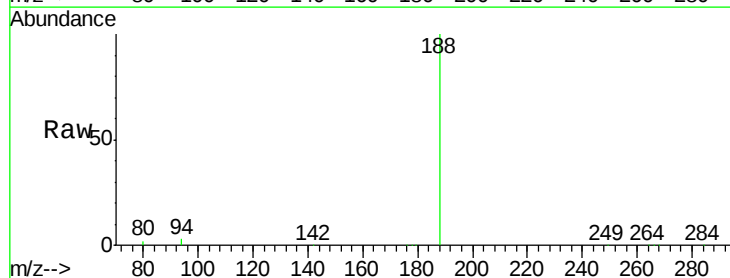
Manual Integrations
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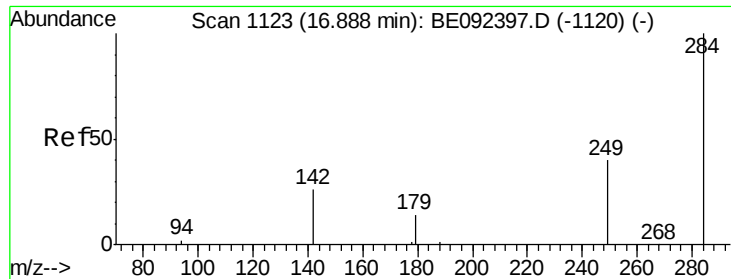
sohil
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.58 min Scan# 1154
 Delta R.T. 0.02 min
 Lab File: BE092409.D
 Acq: 23 Sep 2016 10:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	3.1	3.2	4.8#
80	2.5	2.6	3.8#





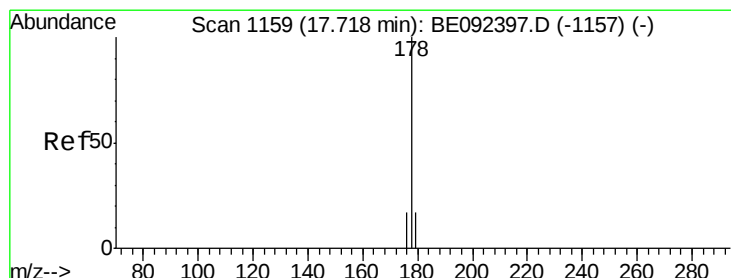
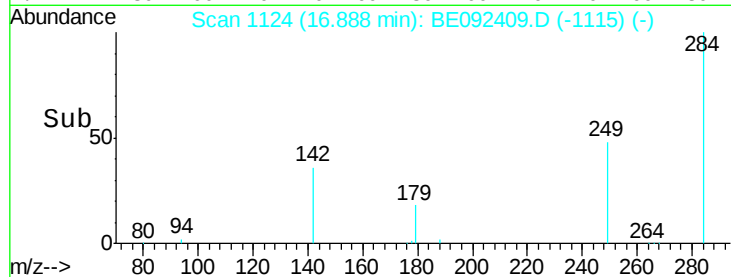
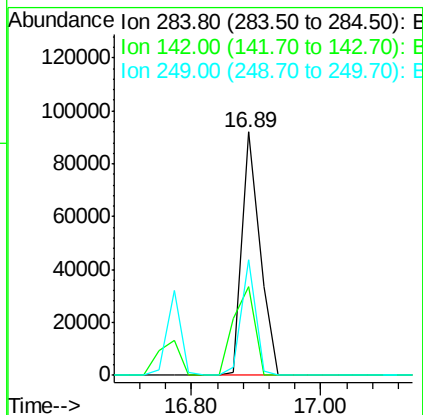
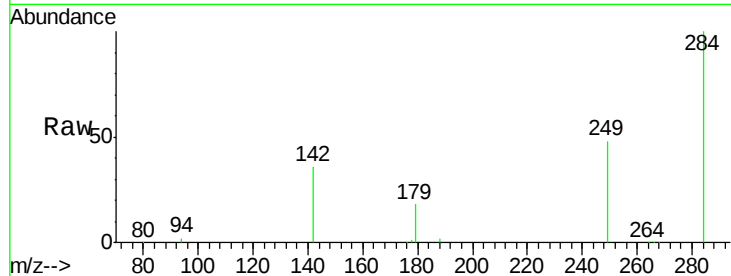
#19
Hexachlorobenzene
Concen: 59.09 ng
RT: 16.89 min Scan# 1124
Delta R.T. -0.00 min
Lab File: BE092409.D
Acq: 23 Sep 2016 10:14

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tot Ion	Ratio	Resp	Lower	Upper
284	100	175774		
142	43.5	29.1	43.7	
249	38.2	27.9	41.9	

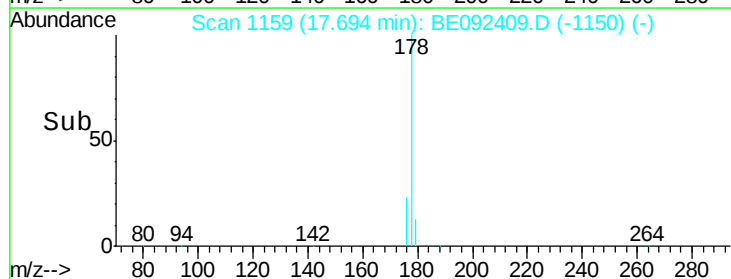
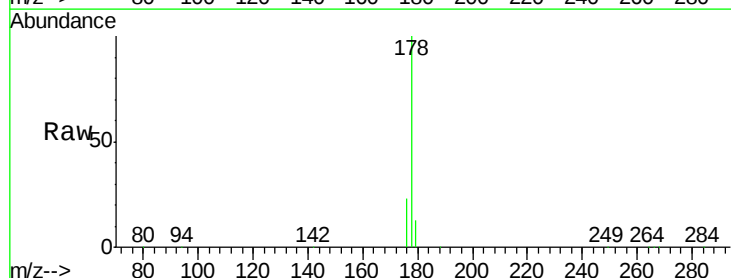
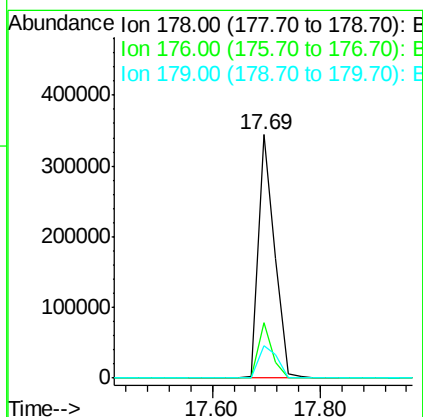
Manual Integrations
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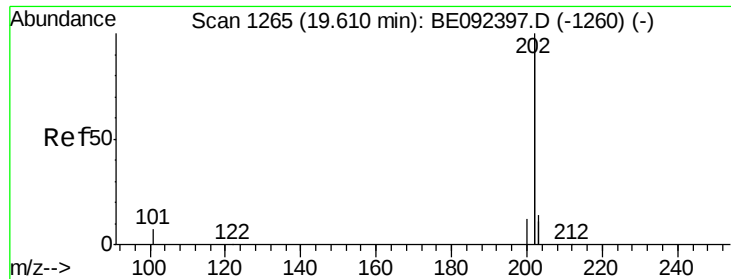
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#22
Anthracene
Concen: 47.15 ng
RT: 17.69 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BE092409.D
Acq: 23 Sep 2016 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	724037		
176	19.8	15.0	22.4	
179	15.5	12.2	18.2	





#23

Fluoranthene

Concen: 111.66 ng

RT: 19.61 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

Instrument :

BNA_E

ClientSampleId :

PT-BN-WP

Tot Ion:202 Resp: 8473846

Ion Ratio Lower Upper

202 100

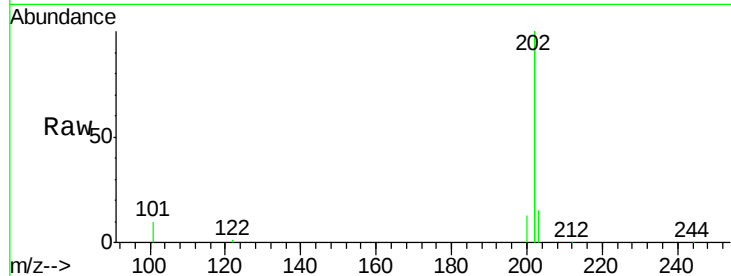
101 3.4 2.2 3.4#

203 18.4 13.7 20.5

Manual Integrations
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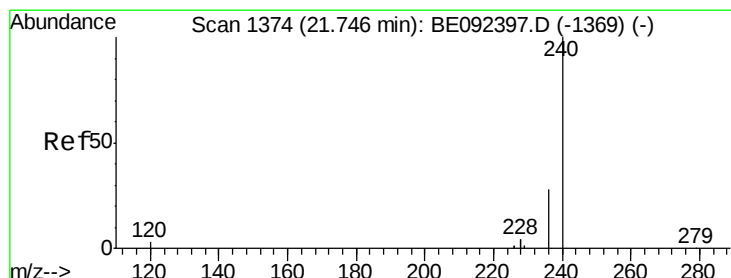
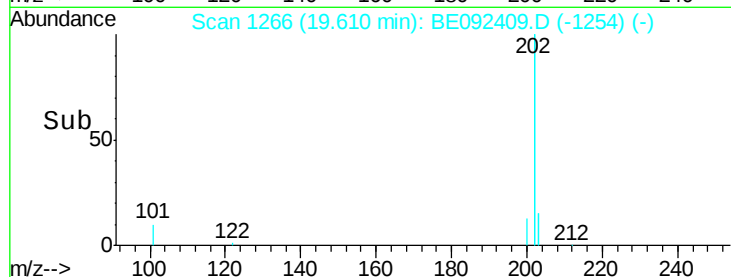
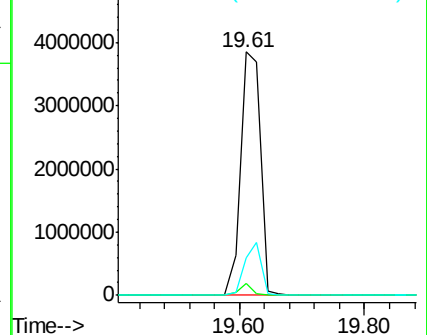
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Abundance Ion 202.00 (201.70 to 202.70): E

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# 1375

Delta R.T. -0.00 min

Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

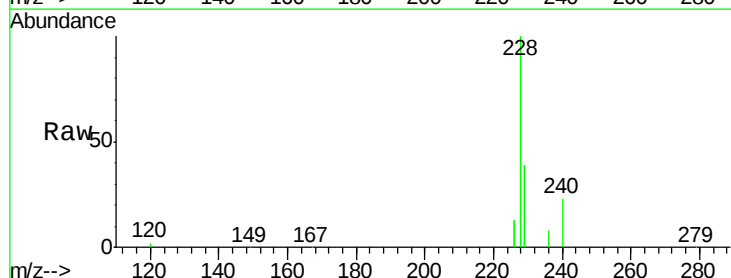
Tgt Ion:240 Resp: 80584

Ion Ratio Lower Upper

240 100

120 9.7 2.6 4.0#

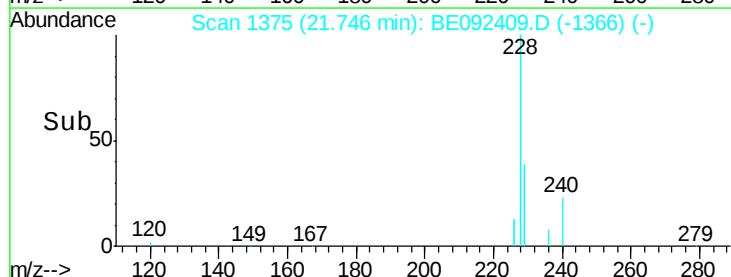
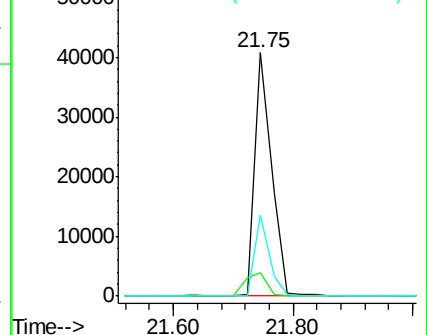
236 33.5 24.6 37.0

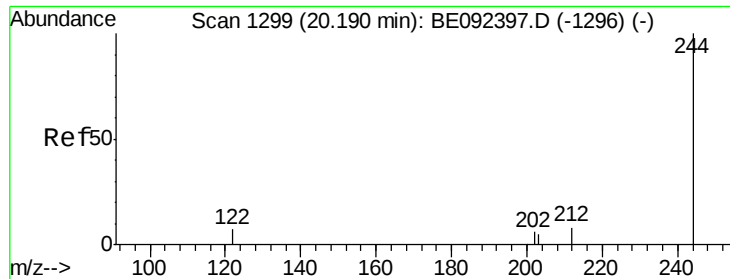


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





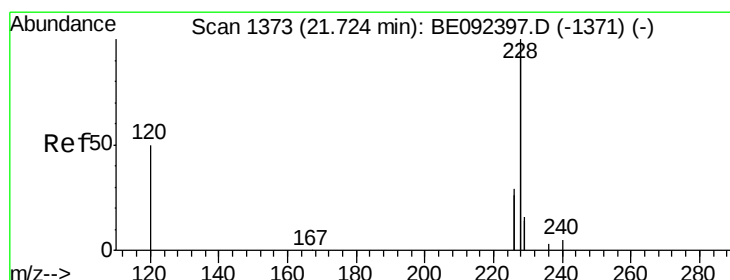
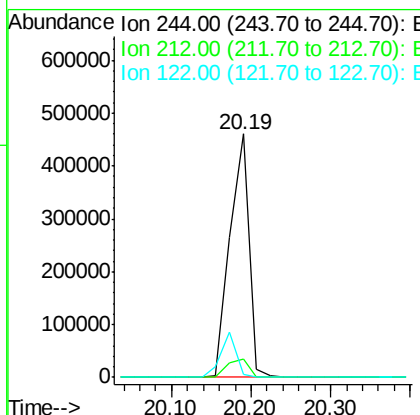
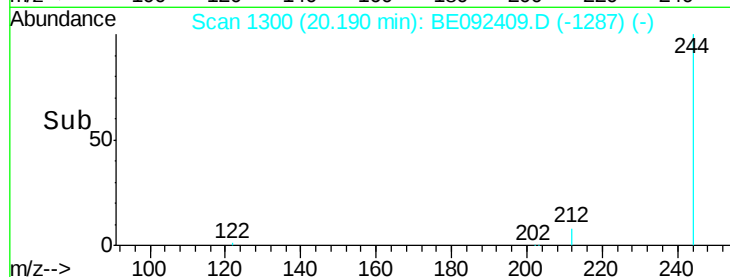
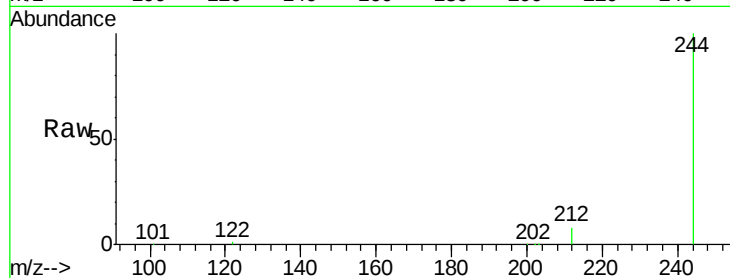
#26
 Terphenyl-d14
 Concen: 76.66 ng
 RT: 20.19 min Scan# 1300
 Delta R.T. 0.02 min
 Lab File: BE092409.D
 Acq: 23 Sep 2016 10:14

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.7	10.1
122	1.1	3.6	5.4

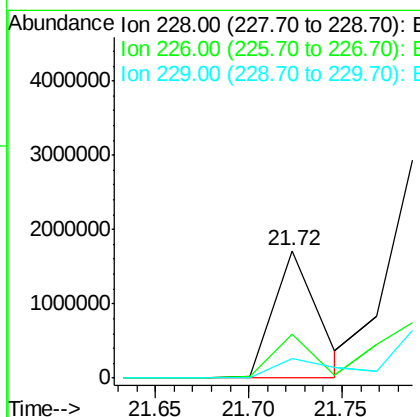
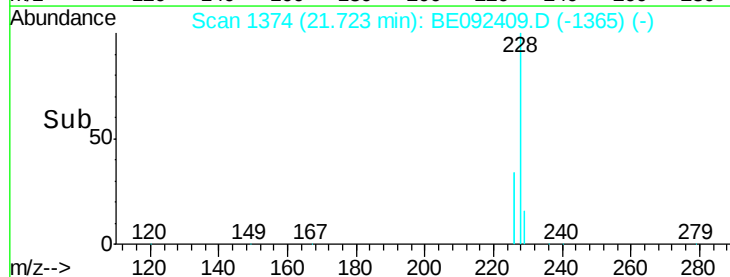
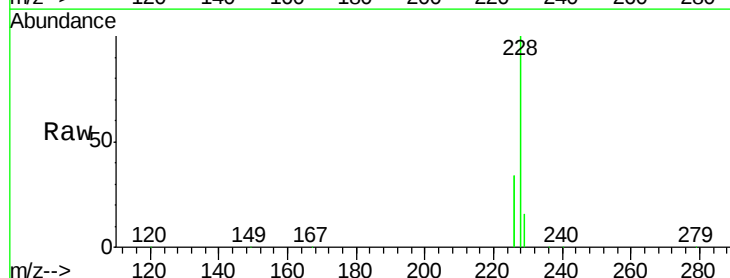
Manual Integrations
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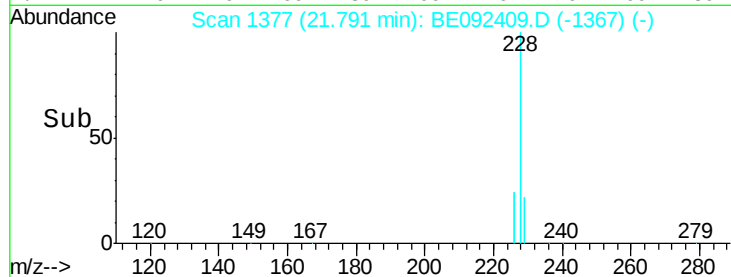
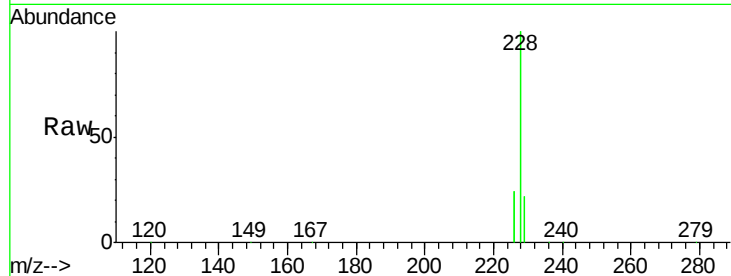
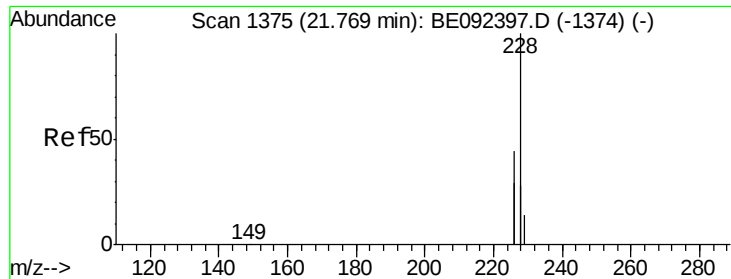
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#27
 Benzo(a)anthracene
 Concen: 36.28 ng m
 RT: 21.72 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: BE092409.D
 Acq: 23 Sep 2016 10:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.2	23.6	35.4
229	15.7	13.3	19.9





#28

Chrysene

Concen: 79.42 ng/mL

RT: 21.79 min Scan# 1377

Delta R.T. 0.02 min

Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

Tot Ion: 228 Resp: 5711993

Ion Ratio Lower Upper

228 100

226 24.0 36.3 54.5#

229 22.3 10.6 16.0#

Instrument :

BNA_E

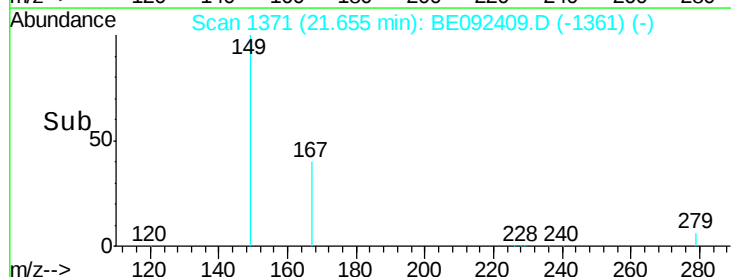
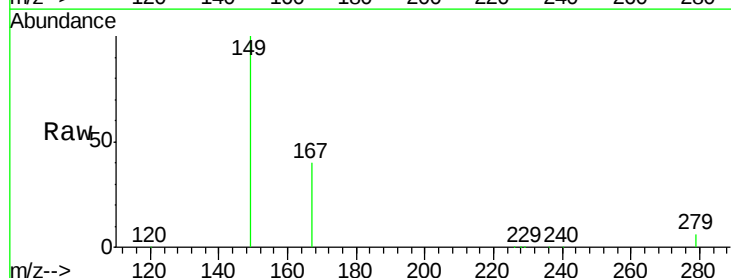
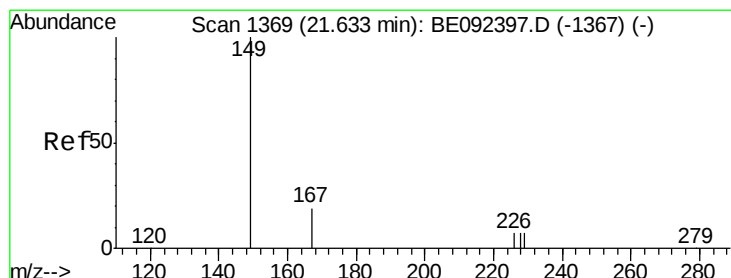
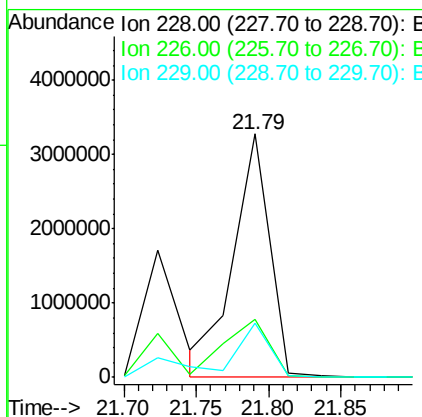
ClientSampleId :

PT-BN-WP

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#29

Bis(2-ethylhexyl)phthalate

Concen: 59.59 ng/mL

RT: 21.66 min Scan# 1371

Delta R.T. 0.02 min

Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

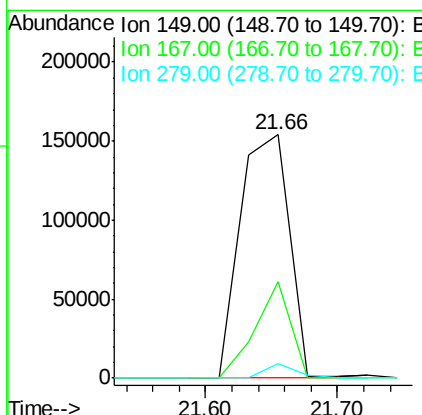
Tgt Ion: 149 Resp: 402942

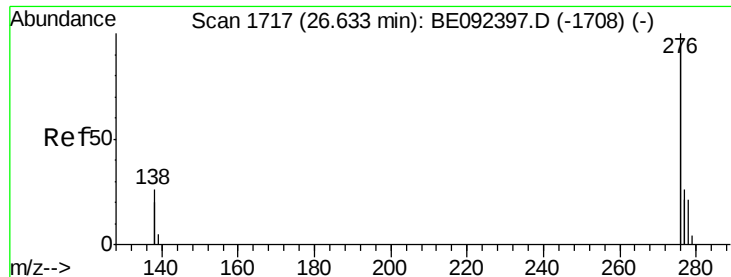
Ion Ratio Lower Upper

149 100

167 28.7 16.0 24.0#

279 3.6 16.0 24.0#





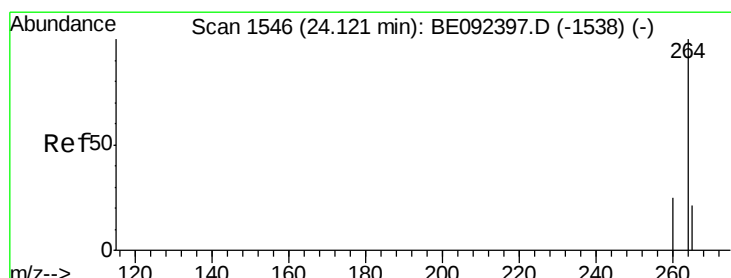
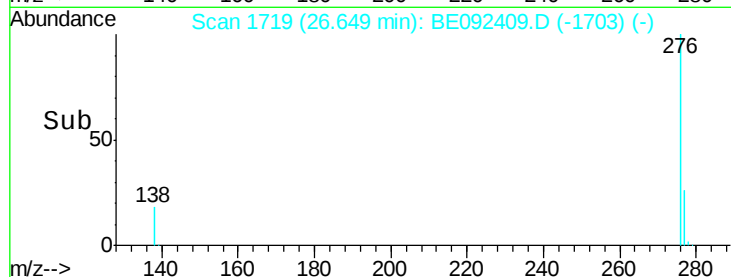
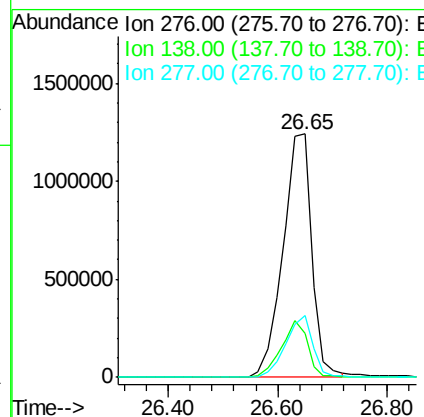
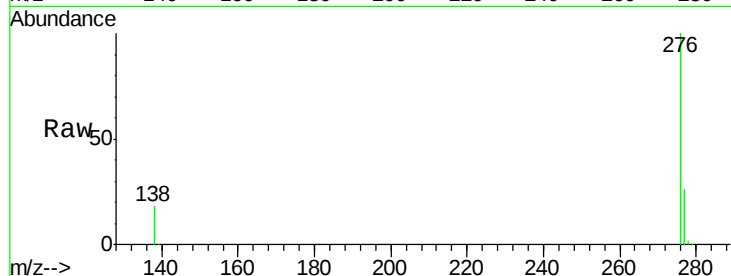
#30
Indeno(1,2,3-cd)pyrene
Concen: 59.16 ng
RT: 26.65 min Scan# 1719
Delta R.T. 0.07 min
Lab File: BE092409.D
Acq: 23 Sep 2016 10:14

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tot Ion:276 Resp: 4513863
Ion Ratio Lower Upper
276 100
138 21.4 20.3 30.5
277 24.0 19.7 29.5

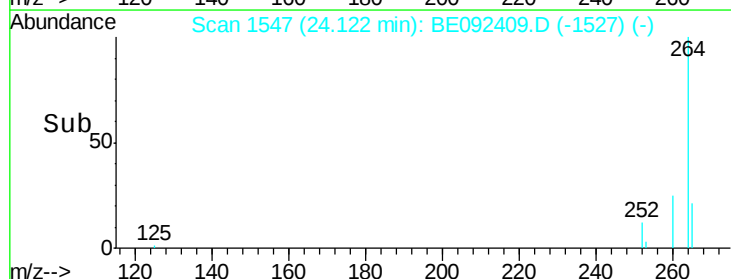
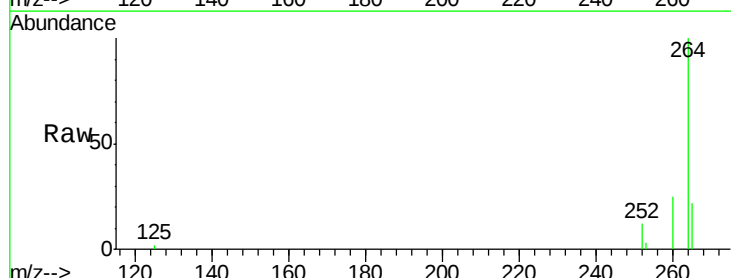
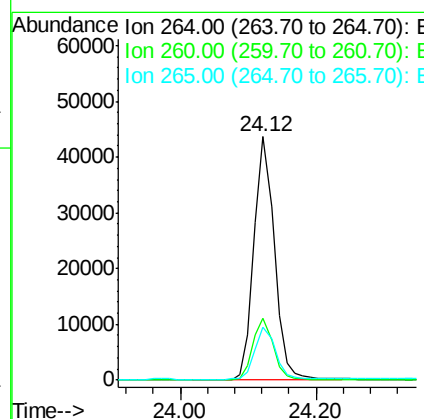
Manual Integrations
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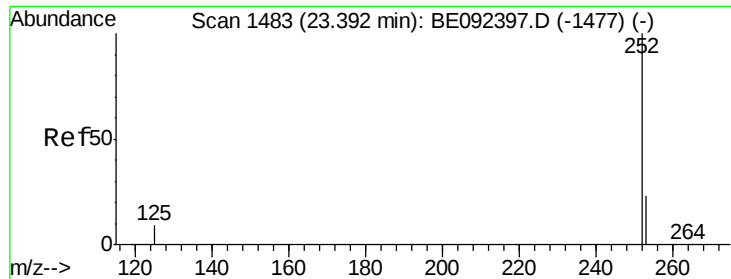
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#31
Perylene-d12
Concen: 5.00 ng
RT: 24.12 min Scan# 1547
Delta R.T. 0.04 min
Lab File: BE092409.D
Acq: 23 Sep 2016 10:14

Tgt Ion:264 Resp: 90120
Ion Ratio Lower Upper
264 100
260 25.4 20.1 30.1
265 21.7 17.9 26.9





#32

Benzo(b)fluoranthene

Concen: 53.32 ng

RT: 23.39 min Scan# 1484

Delta R.T. 0.04 min

Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

Instrument :

BNA_E

ClientSampleId :

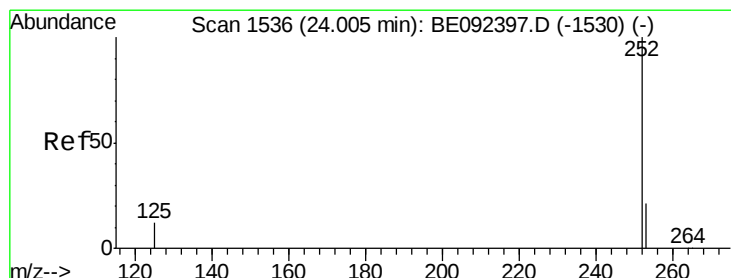
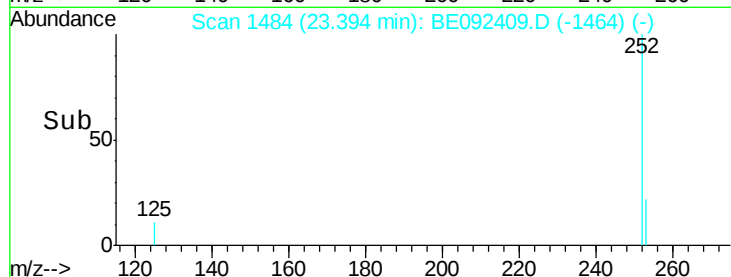
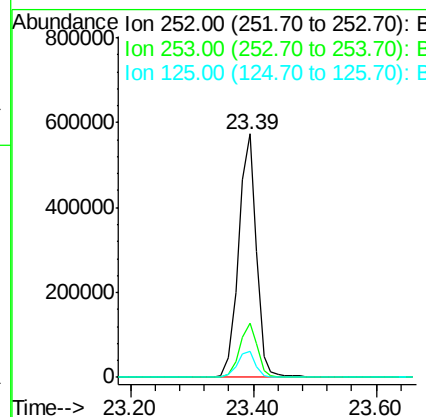
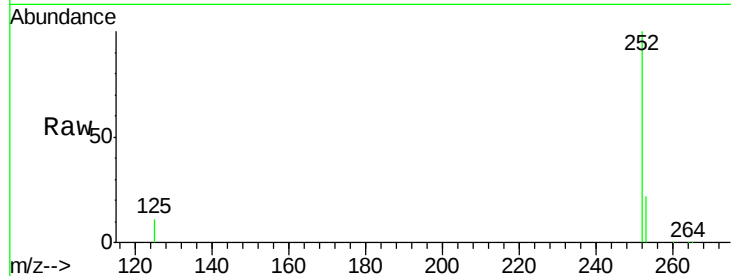
PT-BN-WP

Tot Ion:252 Resp: 1163619

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.7	28.1
125	10.9	10.5	15.7

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#34

Benzo(a)pyrene

Concen: 92.81 ng

RT: 24.03 min Scan# 1539

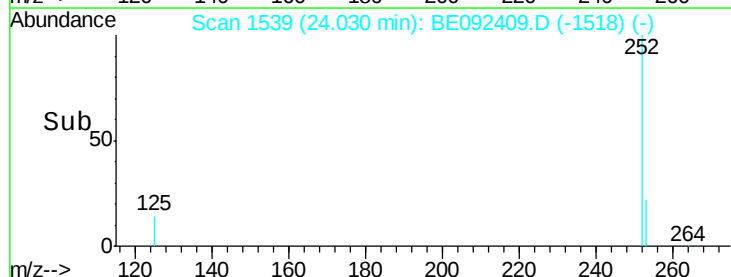
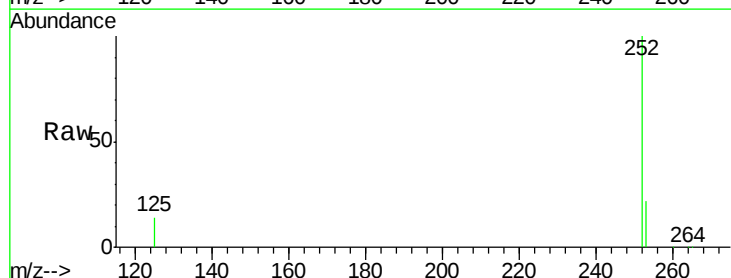
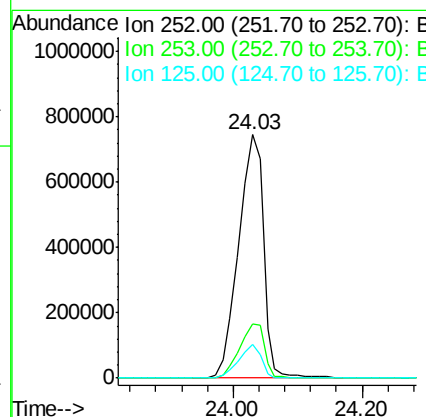
Delta R.T. 0.05 min

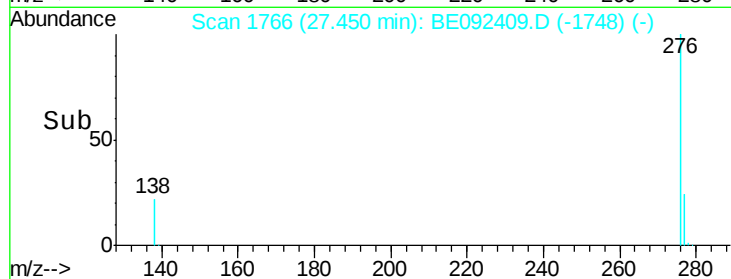
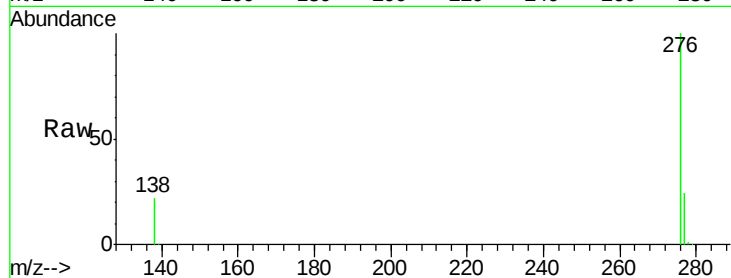
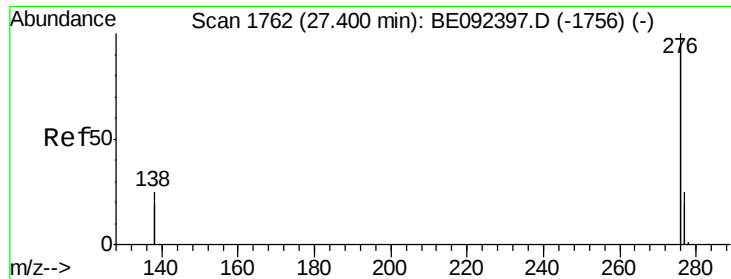
Lab File: BE092409.D

Acq: 23 Sep 2016 10:14

Tgt Ion:252 Resp: 1985197

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.0	28.6
125	13.6	11.8	17.8





#36
 Benzo(a,h,i)perylene
 Concen: 89.30 ng
 RT: 27.45 min Scan# 1766
 Delta R.T. 0.10 min
 Lab File: BE092409.D
 Acq: 23 Sep 2016 10:14

Instrument :
 BNA_E
 ClientSampleId :
 PT-BN-WP

Tot Ion: 276 Resp: 7521342
 Ion Ratio Lower Upper
 276 100
 277 23.8 19.8 29.8
 138 22.4 19.8 29.6

Manual Integrations
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