

Data Path : Z:\HPCHEM1\BNA E\DATA\BE041816\
 Data File : BE091672.D
 Acq On : 18 Apr 2016 20:24
 Operator : UM/SJ
 Sample : H2563-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 BCR05

Manual Integrations
 APPROVED

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 4/19/2016 6:40:44 PM

Quant Time: Apr 19 05:30:05 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 18 17:20:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	35546	5.00	ng	0.00
7) Naphthalene-d8	10.57	136	176161	5.00	ng	0.00
13) Acenaphthene-d10	14.42	164	104356	5.00	ng	0.00
19) Phenanthrene-d10	17.15	188	257526	5.00	ng	0.00
26) Chrysene-d12	21.31	240	317279	5.00	ng	0.00
35) Perylene-d12	23.76	264	283273	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	15225	1.97	ng	0.00
5) Phenol-d6	6.97	99	13166	1.26	ng	0.00
8) Nitrobenzene-d5	8.96	82	25215	2.79	ng	0.00
14) 2,4,6-Tribromophenol	15.90	330	19487	6.49	ng	-0.01
15) 2-Fluorobiphenyl	13.05	172	83749	2.88	ng	0.00
29) Terphenyl-d14	19.76	244	174792	4.04	ng	0.00
Target Compounds						
10) Naphthalene	10.63	128	1155	0.03	ng	Qvalue # 84
22) Pentachlorophenol	16.81	266	394	0.30	ng	92
23) Phenanthrene	17.19	178	1755	0.03	ng	# 95
25) Fluoranthene	19.21	202	1692	0.03	ng	# 93
28) Pyrene	19.55	202	1452	0.02	ng	# 92
30) Benzo(a)anthracene	21.29	228	2342m	0.03	ng	
32) Chrysene	21.34	228	1892m	0.03	ng	
33) Bis(2-ethylhexyl)phthalate	21.22	149	6040	0.52	ng	# 90
34) Indeno(1,2,3-cd)pyrene	26.32	276	1945	0.03	ng	99
36) Benzo(b)fluoranthene	23.00	252	2140	0.03	ng	# 48
37) Benzo(k)fluoranthene	23.06	252	1363	0.02	ng	# 48
39) Dibenzo(a,h)anthracene	26.34	278	1497	0.03	ng	# 65
40) Benzo(a,h,i)perylene	27.10	276	1594	0.03	ng	# 77

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

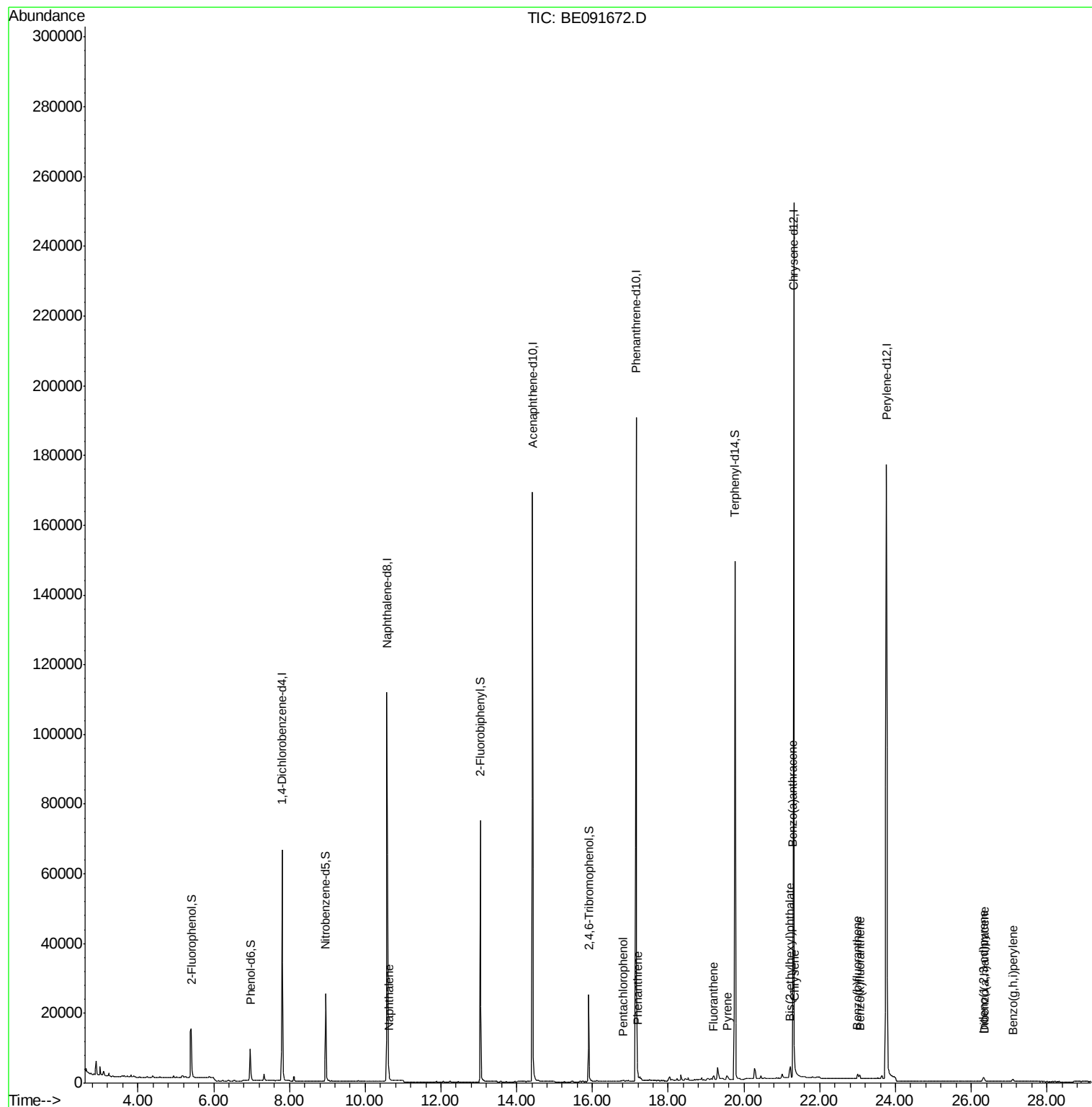
Data Path : Z:\HPCHEM1\BNA E\DATA\BE041816\
Data File : BE091672.D
Acq On : 18 Apr 2016 20:24
Operator : UM/SJ
Sample : H2563-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

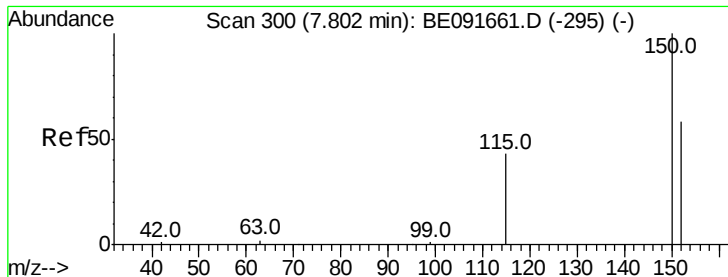
Instrument :
BNA_E
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Quant Time: Apr 19 05:30:05 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

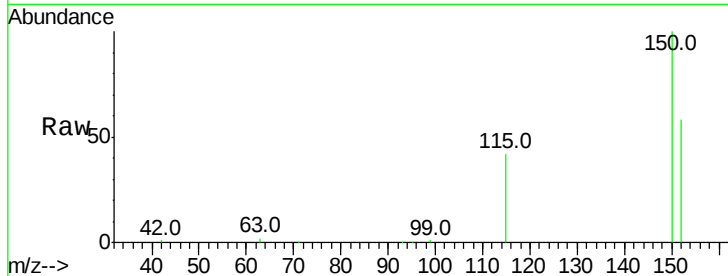




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.80 min Scan# 300
Delta R.T. -0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

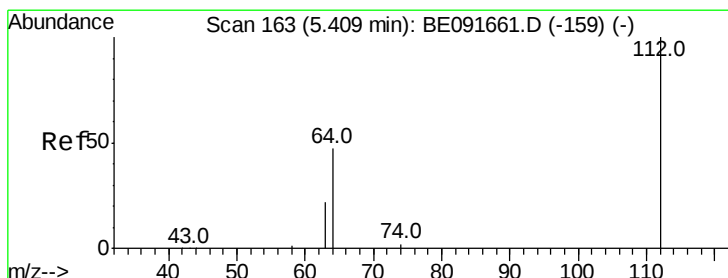
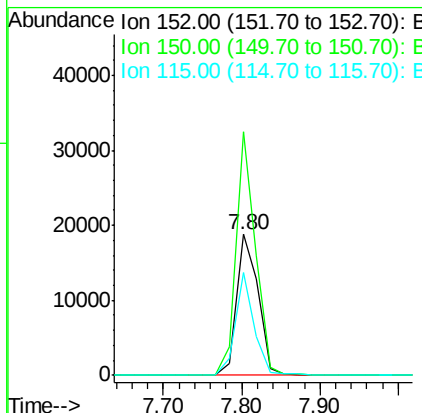
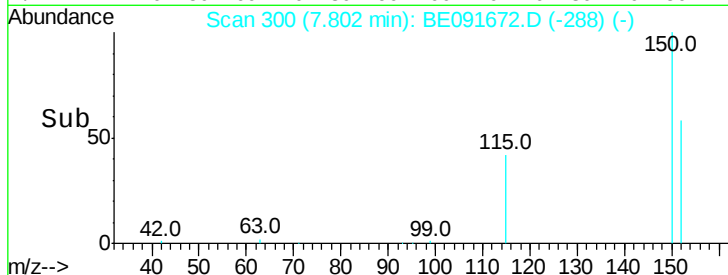
Instrument :
BNA_E
ClientSampleId :
BCR05



Tot Ion	Ratio	Lower	Upper
152	100		
150	172.9	122.6	183.8
115	73.5	52.8	79.2

Manual Integrations
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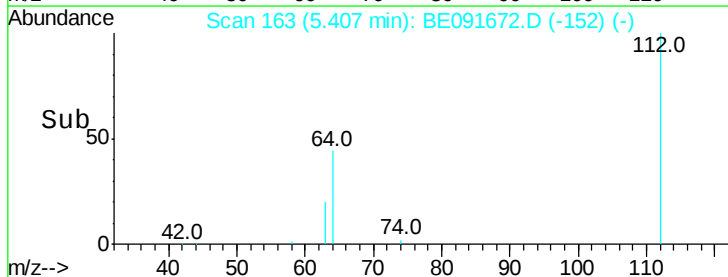
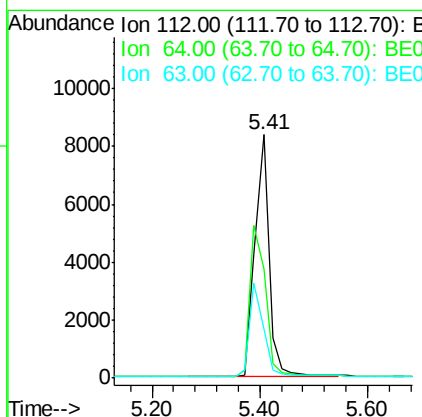
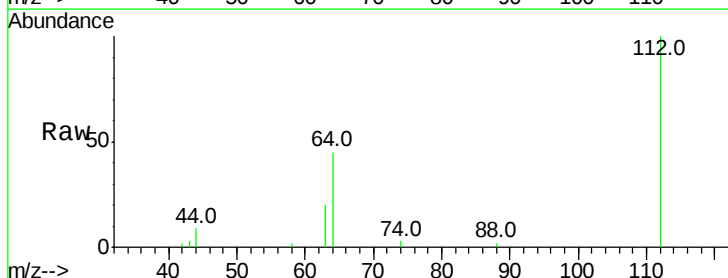
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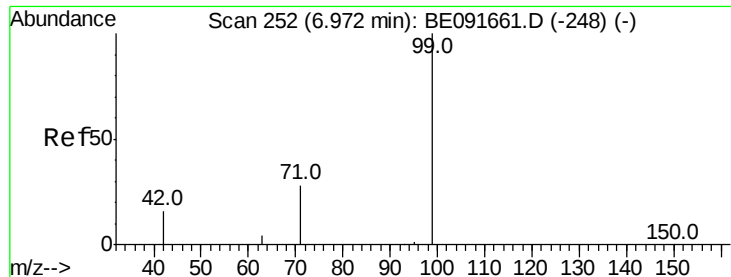


#4

2-Fluorophenol
Concen: 1.97 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.3	30.9	46.3#
63	37.6	16.7	25.1#





#5

Phenol-d6

Concen: 1.26 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

Instrument :

BNA_E

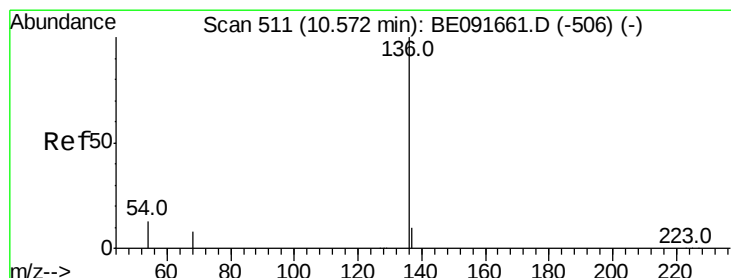
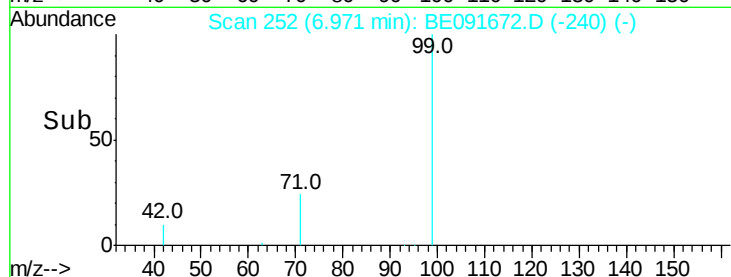
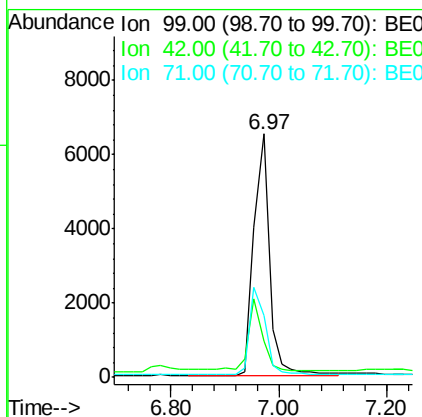
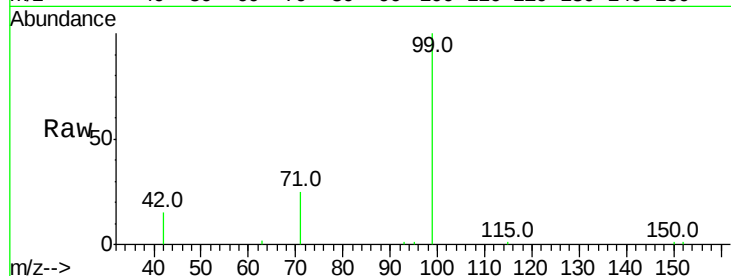
ClientSampleId :

BCR05

Tot Ion:	99	Resp:	13166
Ion Ratio	Lower	Upper	
99	100		
42	28.5	16.2	24.2#
71	36.7	29.0	43.4

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#7

Naphthalene-d8

Concen: 5.00 ng

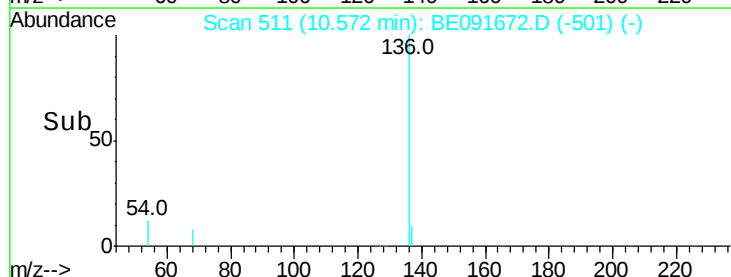
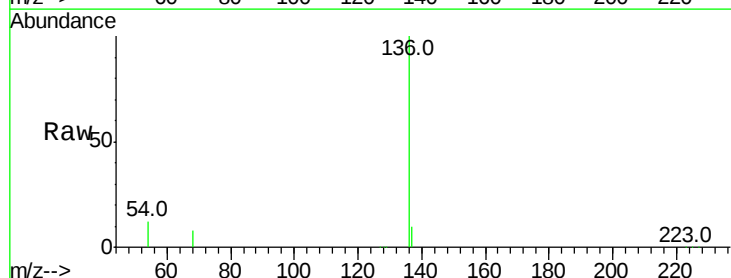
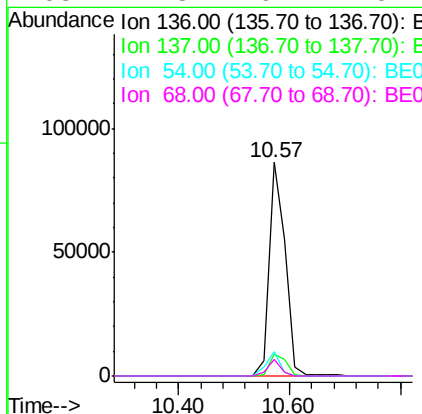
RT: 10.57 min Scan# 511

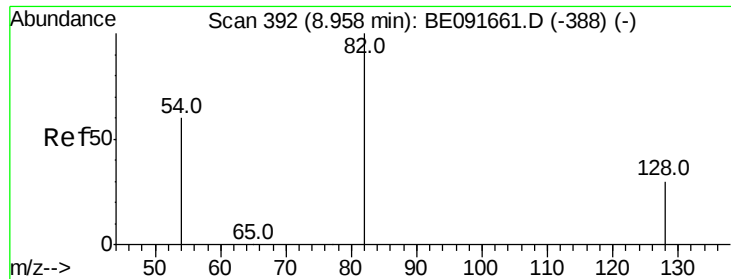
Delta R.T. -0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

Tgt Ion:	136	Resp:	176161
Ion Ratio	Lower	Upper	
136	100		
137	10.0	8.9	13.3
54	11.6	8.2	12.4
68	7.8	6.2	9.4





#8

Nitrobenzene-d5

Concen: 2.79 ng

RT: 8.96 min Scan# 392

Delta R.T. 0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

Instrument :

BNA_E

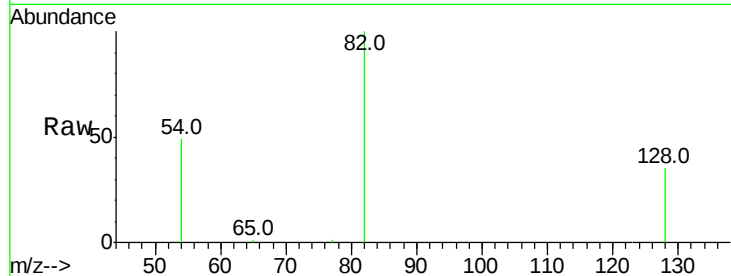
ClientSampled :

BCR05

Tot Ion:	82	Resp:	25215
Ion Ratio	Lower	Upper	
82	100		
128	34.8	25.4	38.0
54	49.2	48.4	72.6

Manual Integrations
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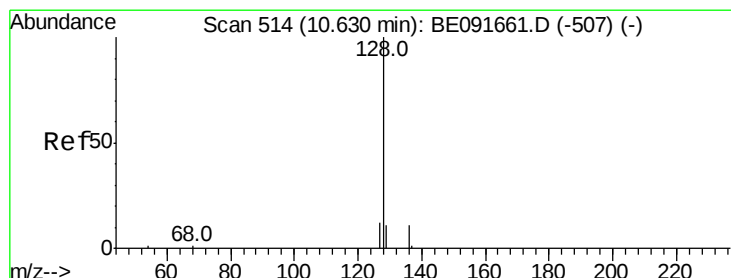
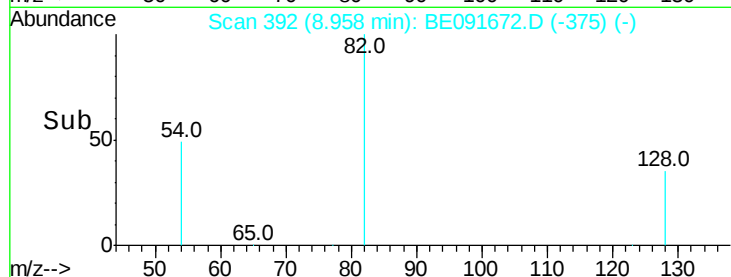
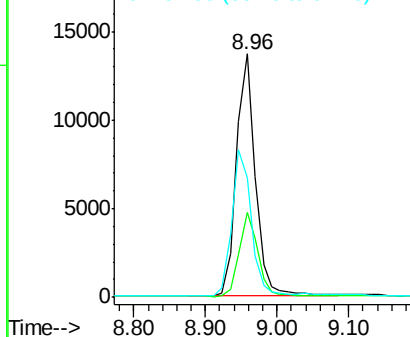
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Abundance Ion 82.00 (81.70 to 82.70): BE091661.D (-388) (-)

Ion 128.00 (127.70 to 128.70): BE091661.D (-388) (-)

Ion 54.00 (53.70 to 54.70): BE091661.D (-388) (-)



#10

Naphthalene

Concen: 0.03 ng

RT: 10.63 min Scan# 514

Delta R.T. -0.00 min

Lab File: BE091672.D

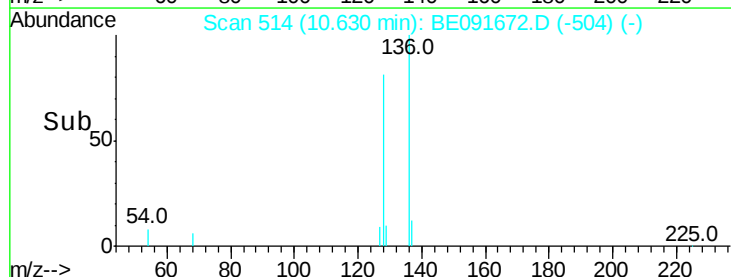
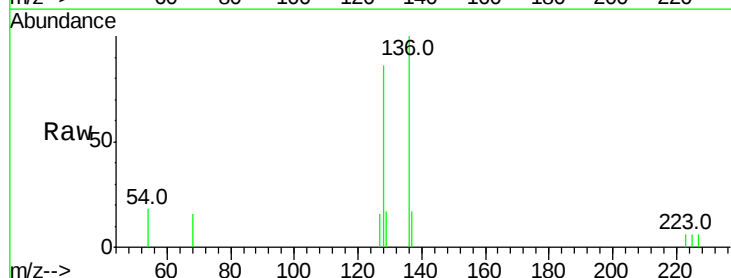
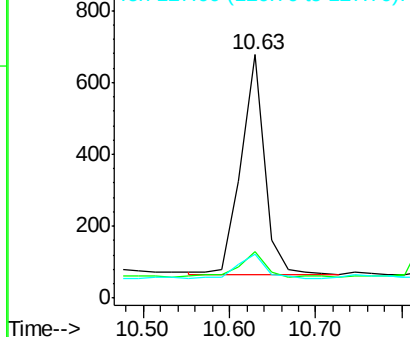
Acq: 18 Apr 2016 20:24

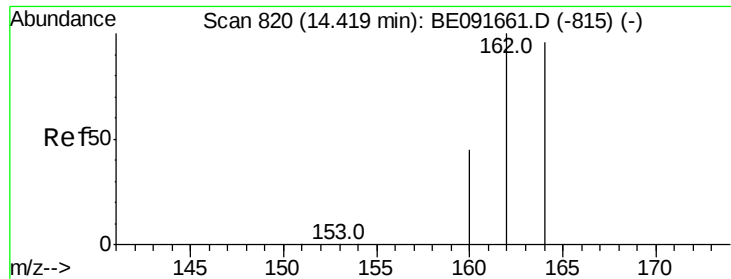
Tgt Ion:	128	Resp:	1155
Ion Ratio	Lower	Upper	
128	100		
129	19.4	9.3	13.9#
127	18.2	10.7	16.1#

Abundance Ion 128.00 (127.70 to 128.70): BE091661.D (-507) (-)

Ion 129.00 (128.70 to 129.70): BE091661.D (-507) (-)

Ion 127.00 (126.70 to 127.70): BE091661.D (-507) (-)





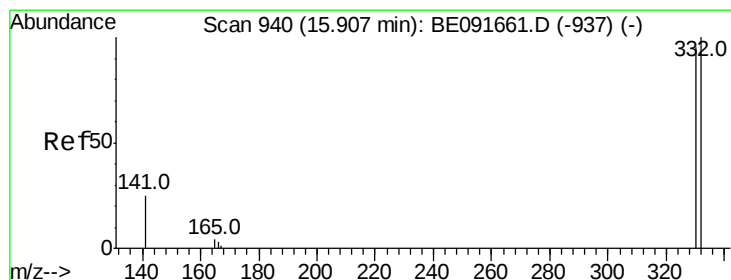
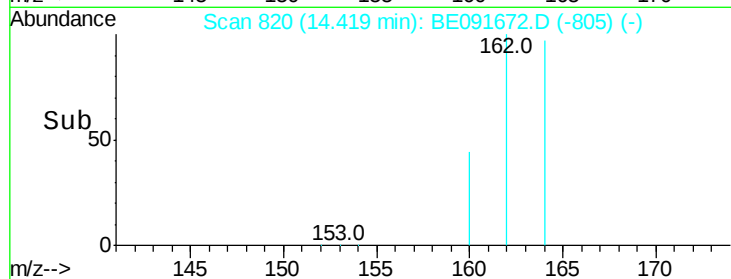
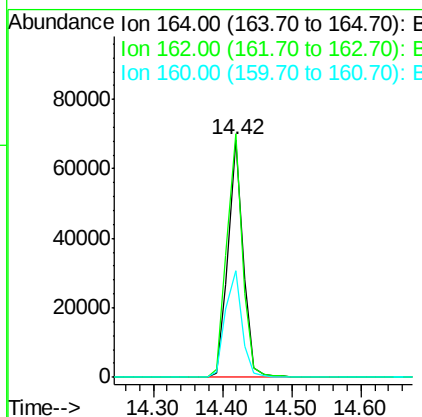
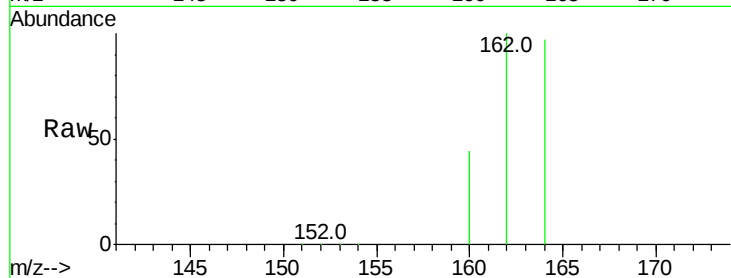
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Instrument :
BNA_E
ClientSampleId :
BCR05

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	85.3	127.9
160	44.7	46.2	69.2

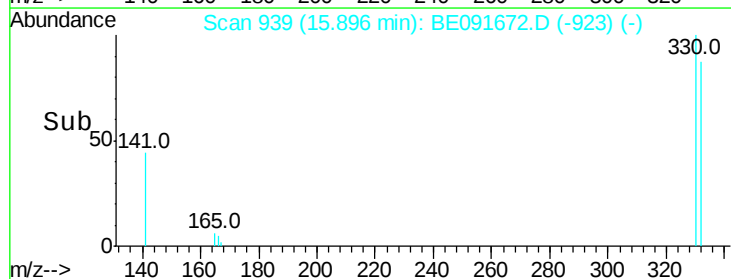
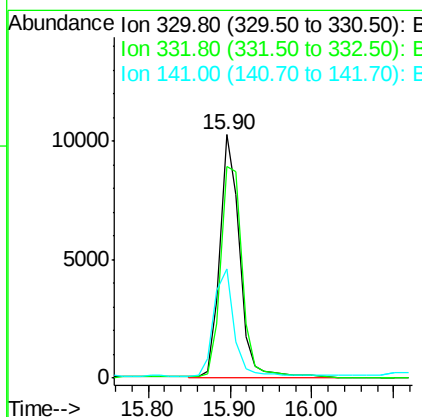
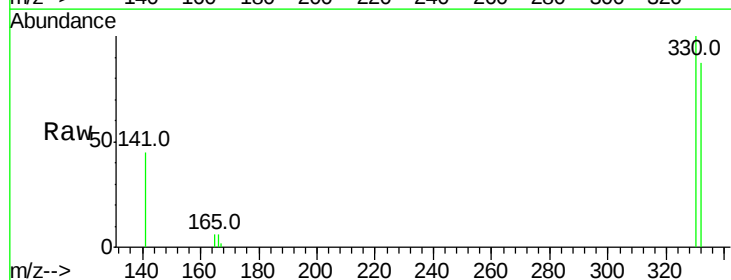
Manual Integrations
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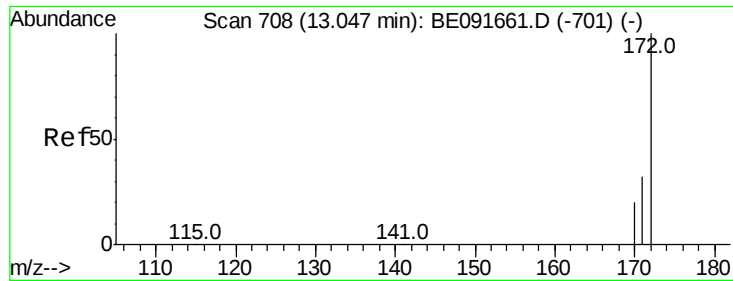
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#14
2,4,6-Tribromophenol
Concen: 6.49 ng
RT: 15.90 min Scan# 939
Delta R.T. -0.01 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.1	118.7
141	44.6	125.4	188.0





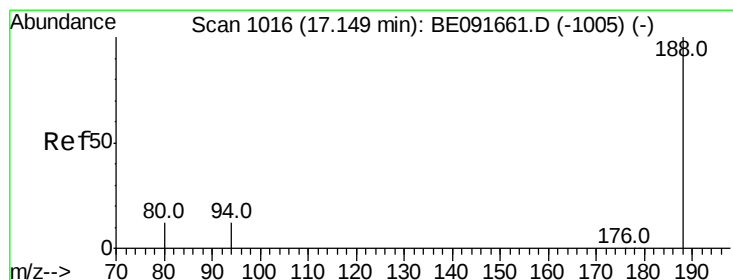
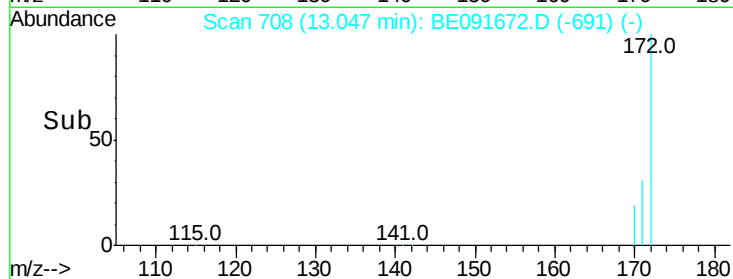
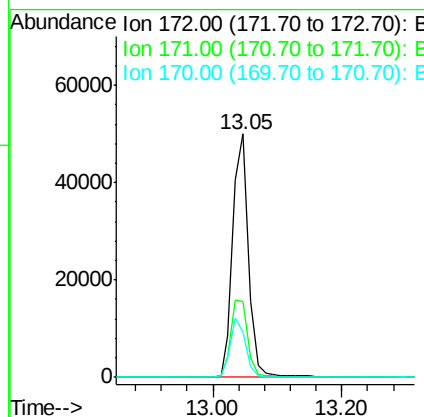
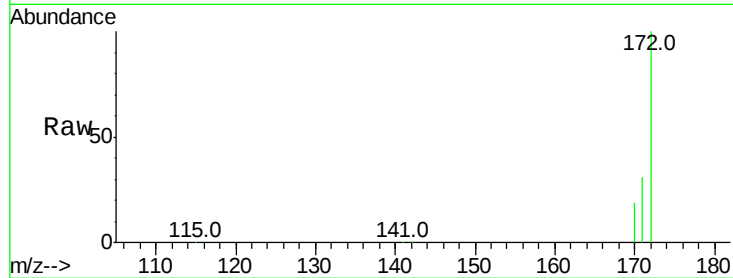
#15
2-Fluorobiphenyl
Concen: 2.88 ng
RT: 13.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Instrument :
BNA_E
ClientSampleId :
BCR05

Tot Ion	Ratio	Lower	Upper
172	100		
171	31.4	28.8	43.2
170	18.7	19.3	28.9

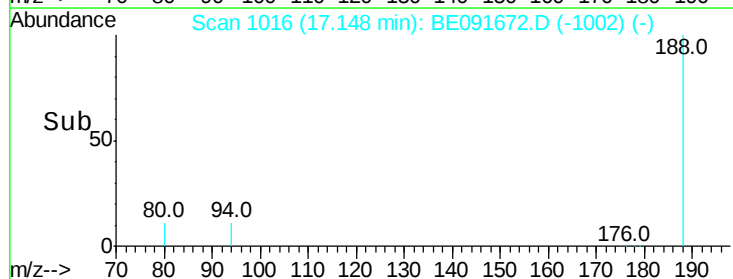
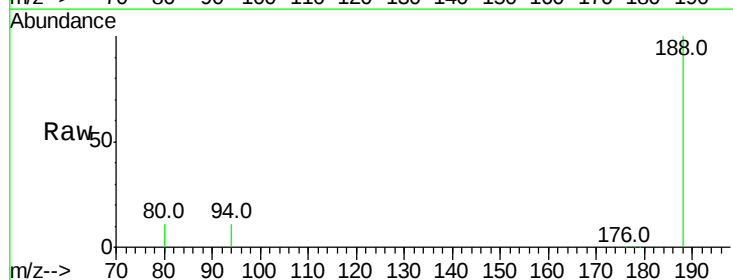
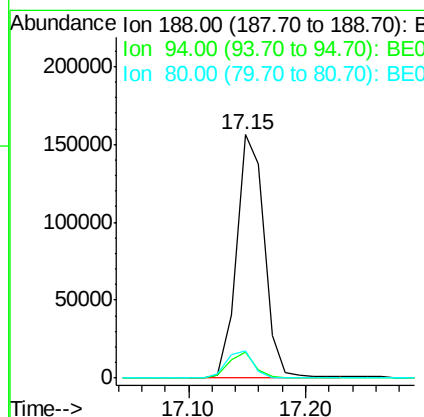
Manual Integrations
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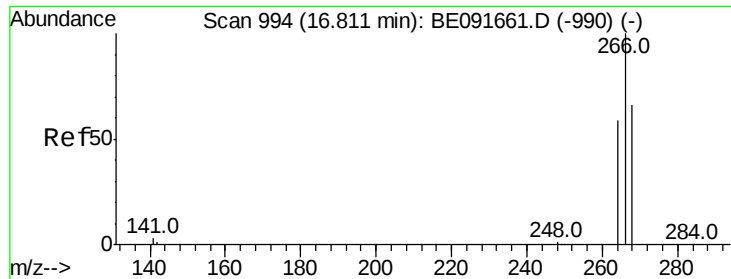
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#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.15 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.7	13.1
80	11.1	9.4	14.0





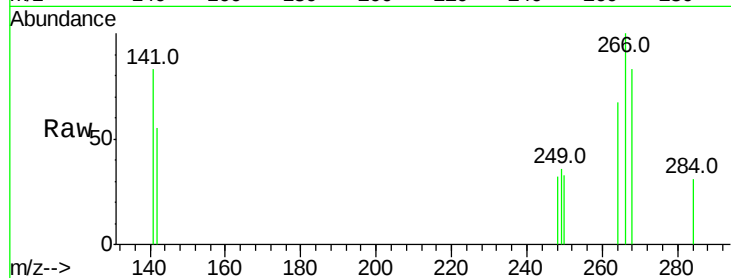
#22
 Pentachlorophenol
 Concen: 0.30 ng
 RT: 16.81 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: BE091672.D
 Acq: 18 Apr 2016 20:24

Instrument :
 BNA_E
 ClientSampled :
 BCR05

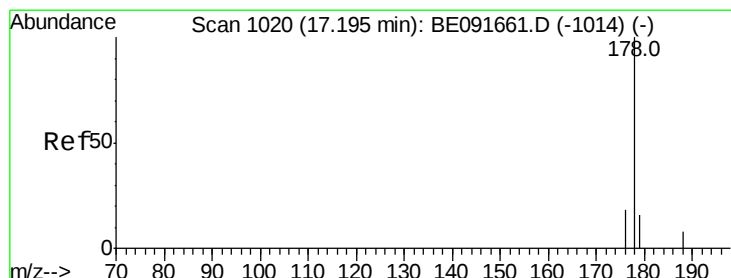
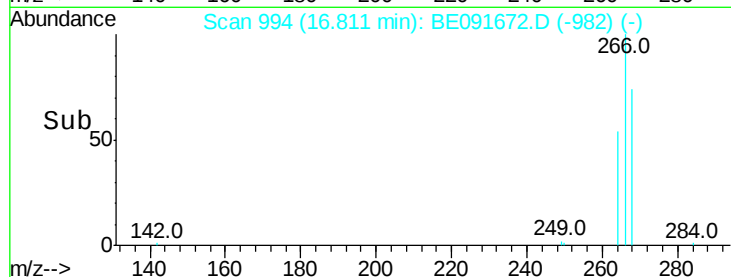
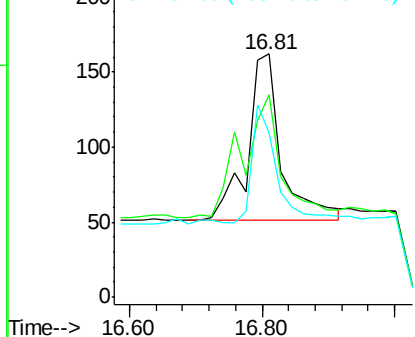
Tot Ion	Ratio	Lower	Upper
266	100		
268	83.3	58.2	87.2
264	67.3	56.2	84.4

Manual Integrations
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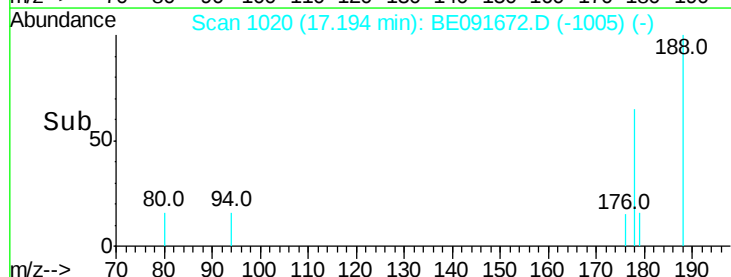
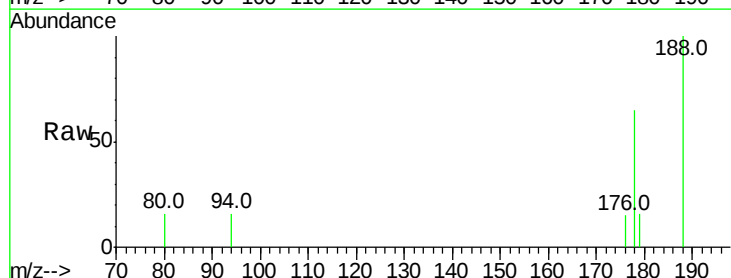
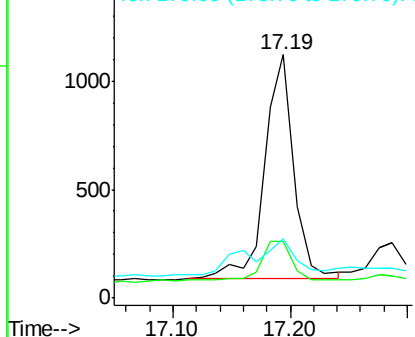
Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

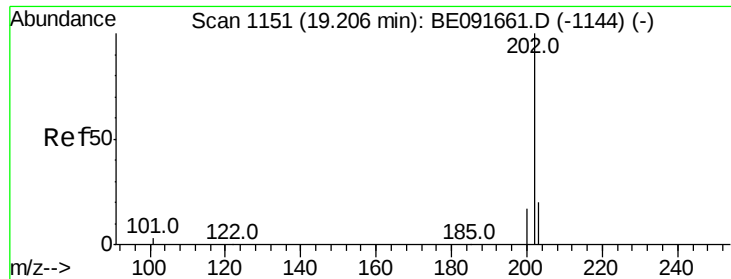


#23
 Phenanthrene
 Concen: 0.03 ng
 RT: 17.19 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BE091672.D
 Acq: 18 Apr 2016 20:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.3	22.9
179	12.4	12.6	18.8#

Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene

Concen: 0.03 ng

RT: 19.21 min Scan# 1151

Delta R.T. -0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

Instrument :

BNA_E

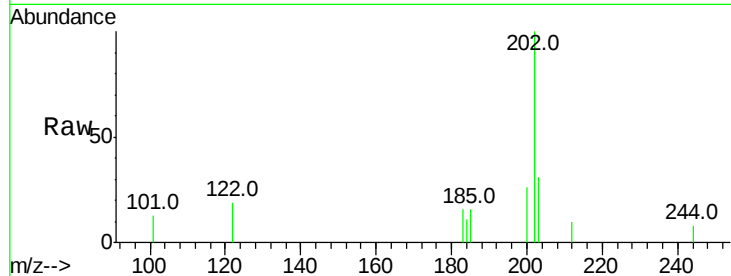
ClientSampleId :

BCR05

Tot Ion:	202	Resp:	1692
Ion Ratio	Lower	Upper	
202	100		
101	17.8	11.0	16.6#
203	15.7	13.9	20.9

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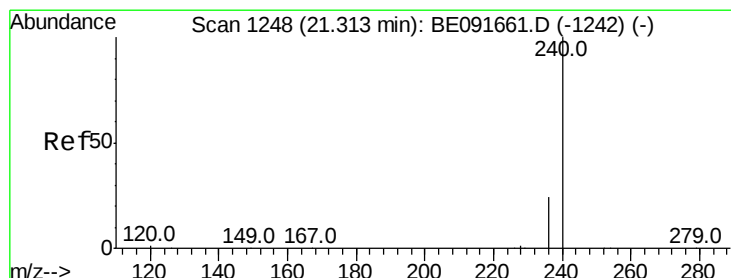
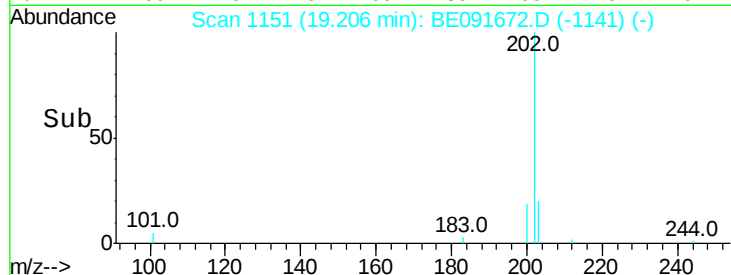
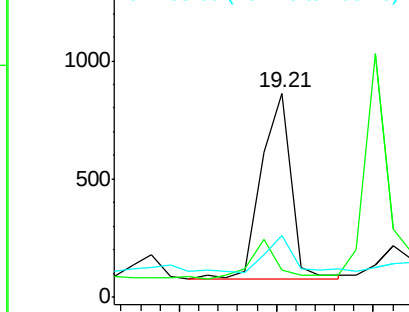
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#26

Chrysene-d12

Concen: 5.00 ng

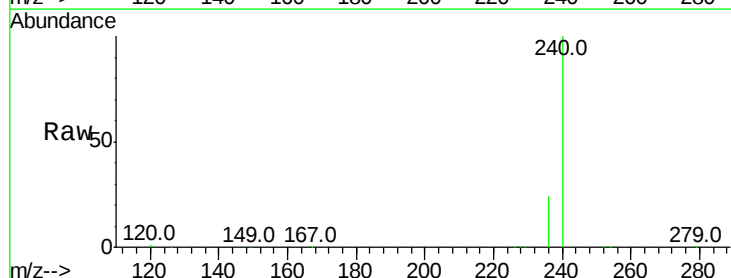
RT: 21.31 min Scan# 1248

Delta R.T. 0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

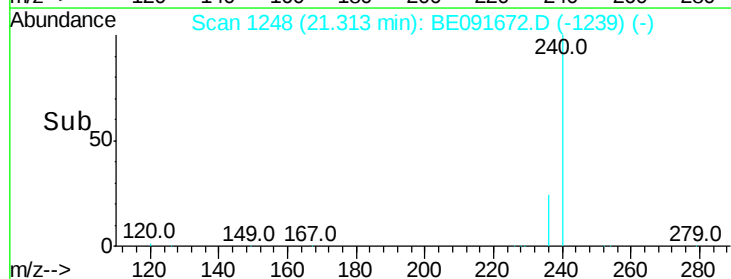
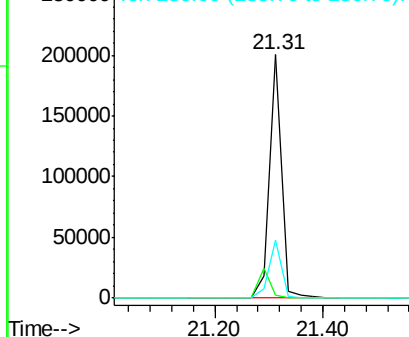
Tgt Ion:	240	Resp:	317279
Ion Ratio	Lower	Upper	
240	100		
120	1.4	11.0	16.4#
236	23.6	21.7	32.5

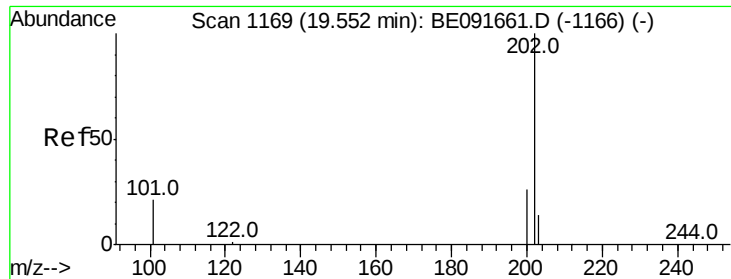


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





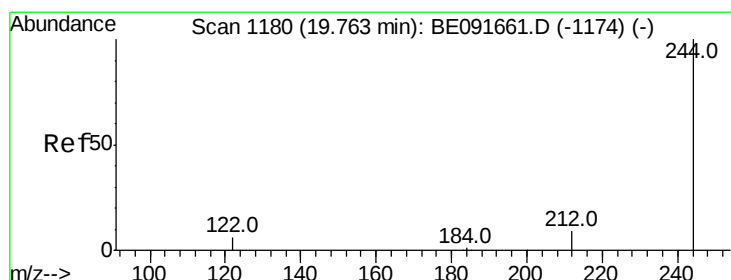
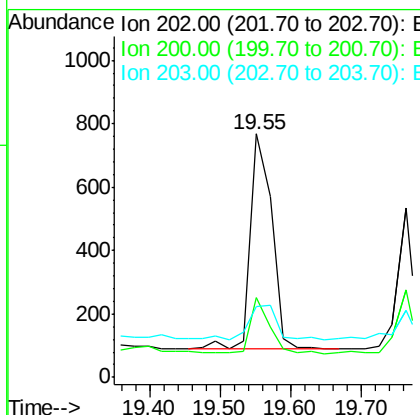
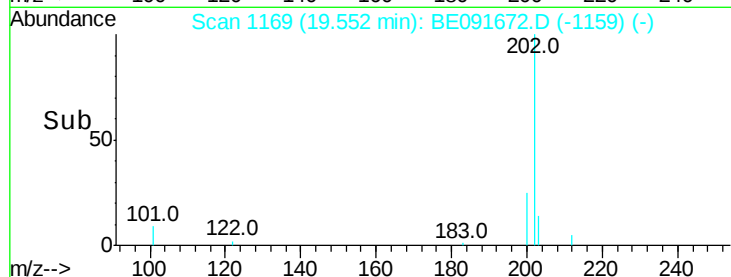
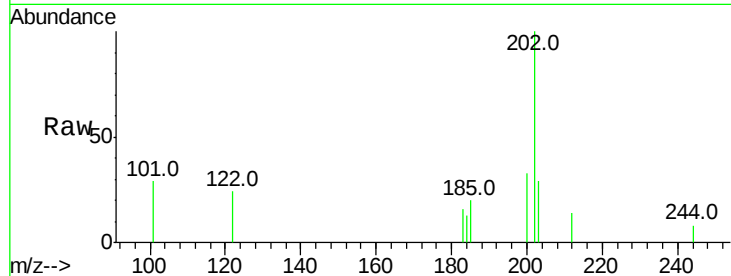
#28
Pvrene
Concen: 0.02 ng
RT: 19.55 min Scan# 1169
Delta R.T. -0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Instrument :
BNA_E
ClientSampleId :
BCR05

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	23.1	16.8	25.2
203	22.8	14.0	21.0

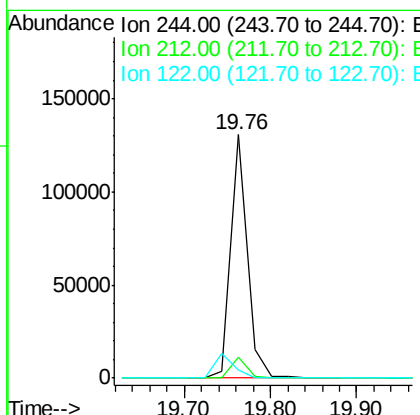
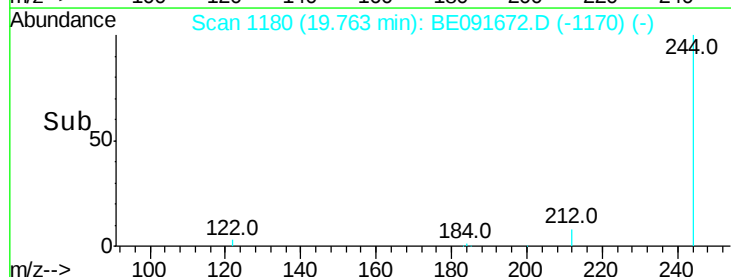
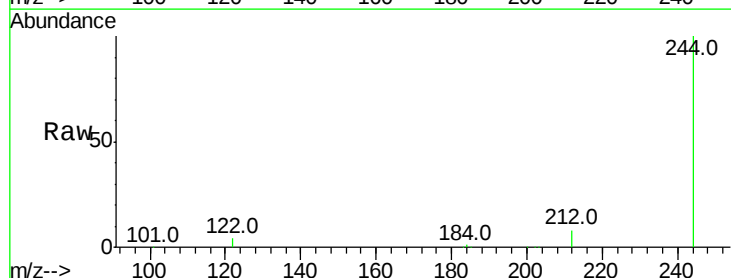
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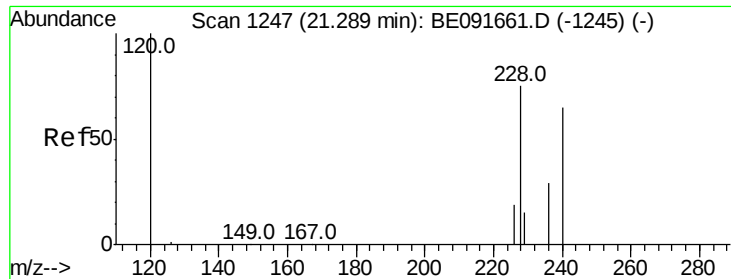
Sohil
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#29
Terphenyl-d14
Concen: 4.04 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.5	6.9	10.3
122	3.6	11.0	16.4





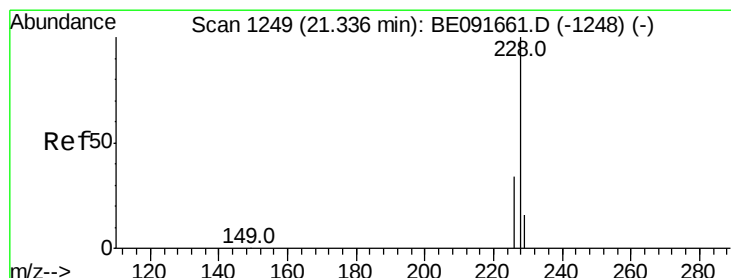
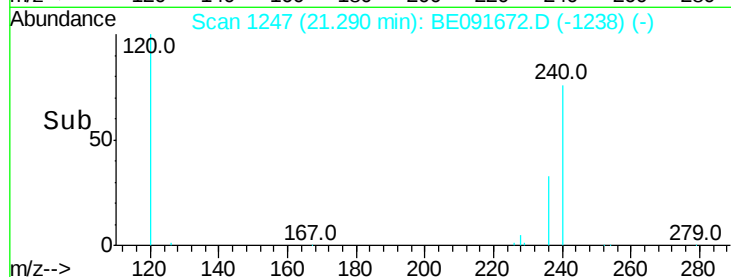
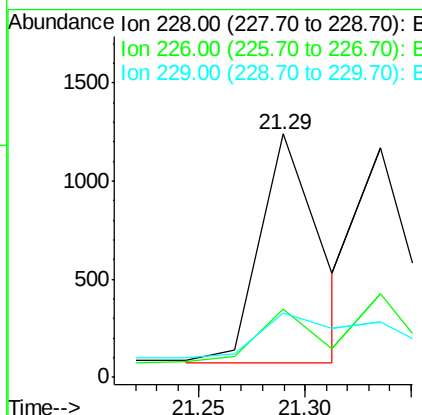
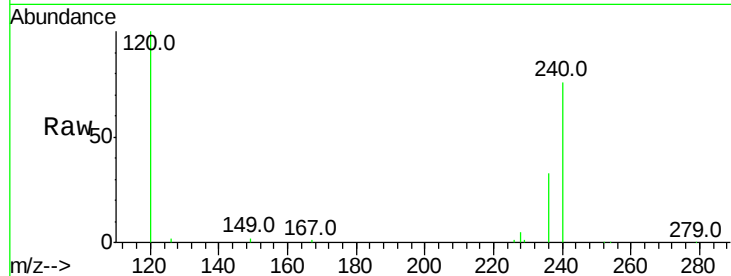
#30
Benzo(a)anthracene
Concen: 0.03 ng m
RT: 21.29 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Instrument :
BNA_E
ClientSampleId :
BCR05

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.0	31.4
229	26.6	15.7	23.5

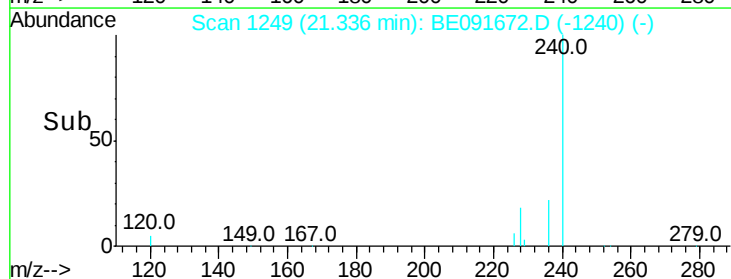
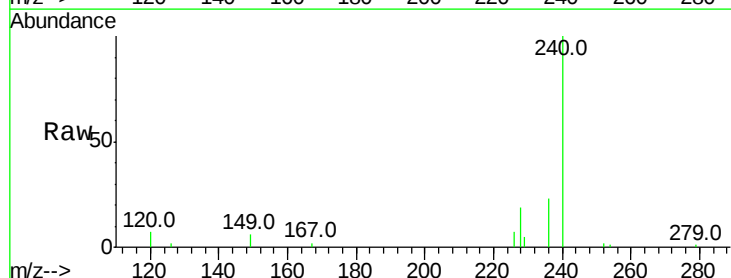
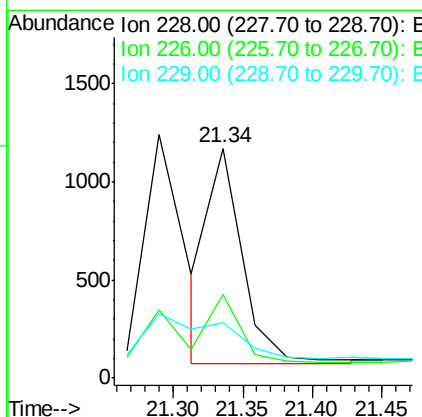
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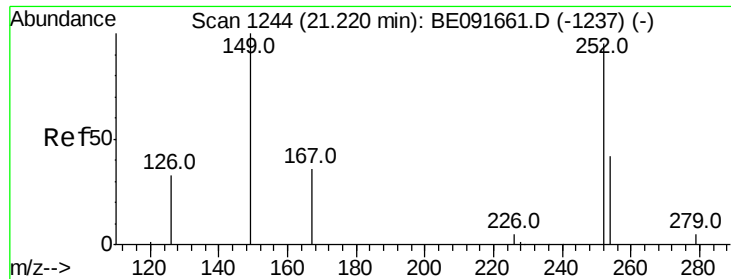
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#32
Chrysene
Concen: 0.03 ng m
RT: 21.34 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.4	24.0	36.0
229	24.1	15.9	23.9





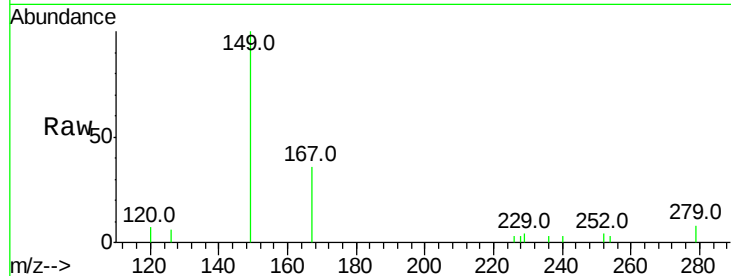
#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.52 ng
 RT: 21.22 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: BE091672.D
 Acq: 18 Apr 2016 20:24

Instrument :
 BNA_E
 ClientSampleId :
 BCR05

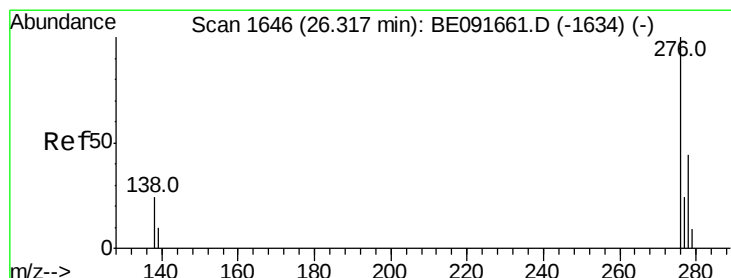
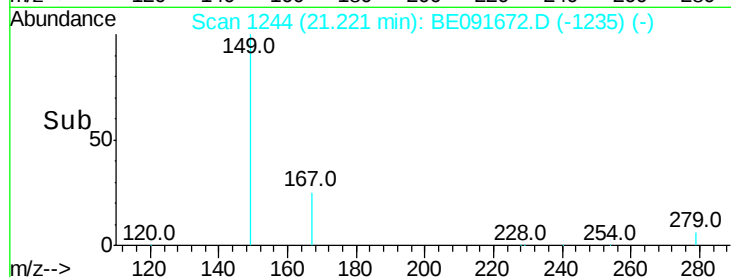
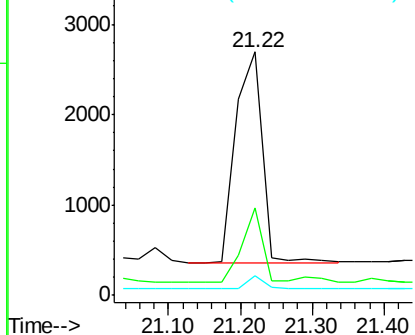
Tot Ion	Ratio	Resp	Lower	Upper
149	100	6040		
167	26.5		19.5	29.3
279	4.4		10.0	15.0

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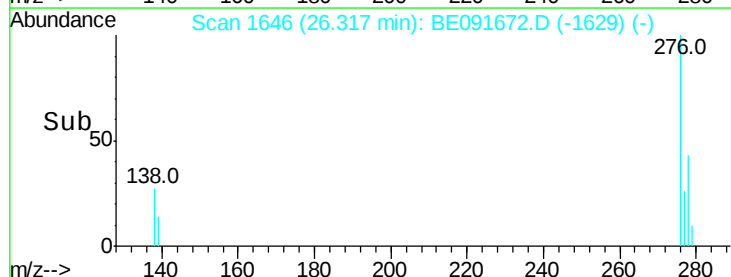
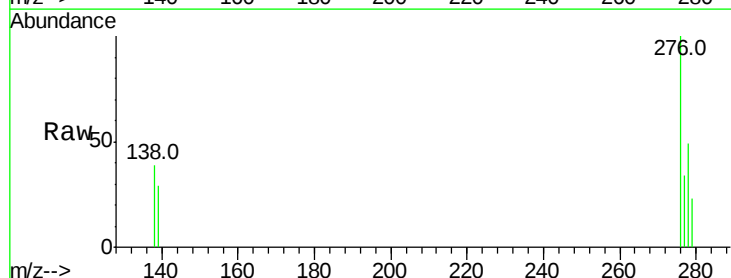
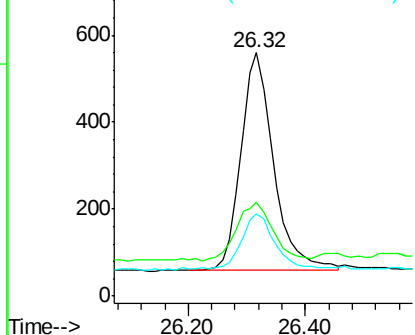
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

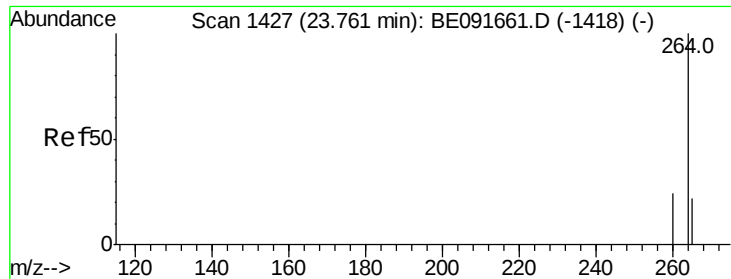


#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 26.32 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: BE091672.D
 Acq: 18 Apr 2016 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	1945		
138	30.2		23.4	35.2
277	25.0		19.8	29.8

Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E





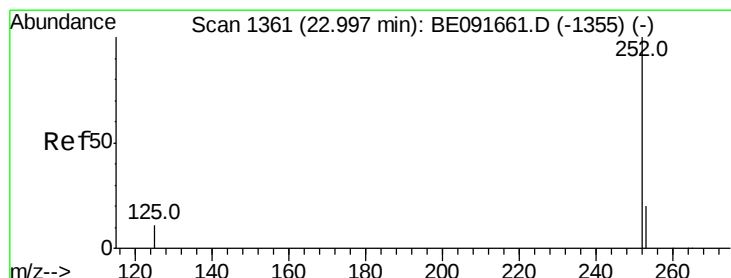
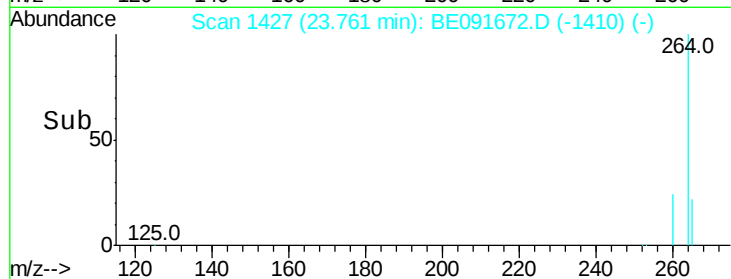
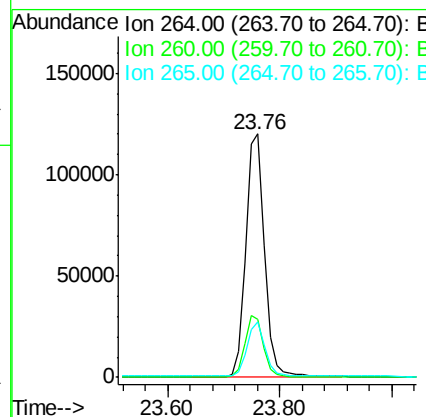
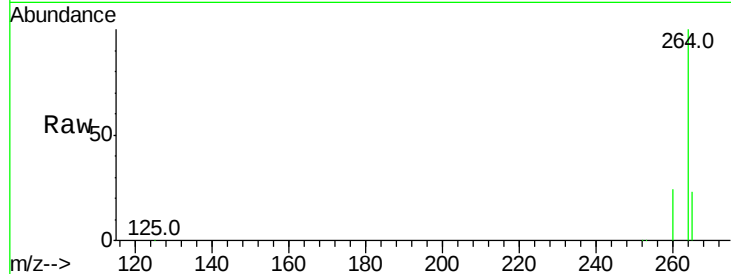
#35
Pervlene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1427
Delta R.T. 0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Instrument :
BNA_E
ClientSampleId :
BCR05

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.9	20.0	30.0	
265	22.7	17.5	26.3	

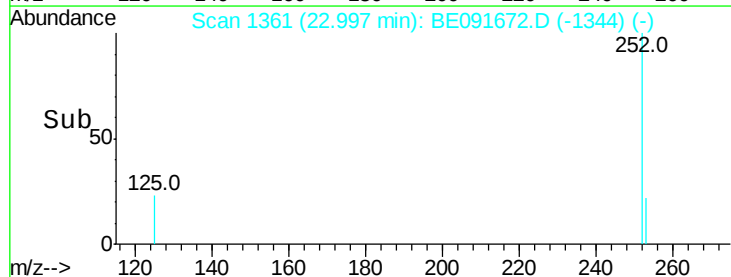
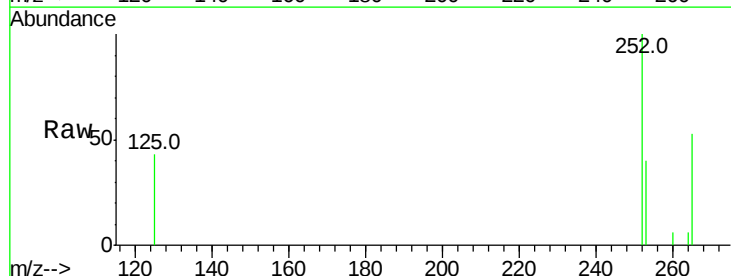
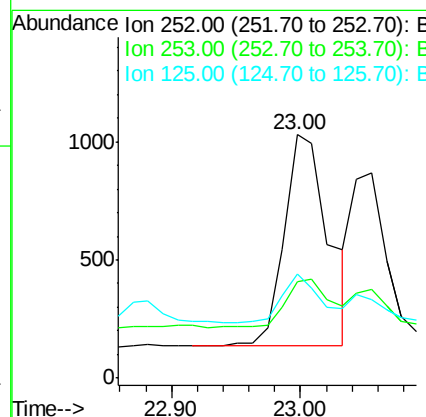
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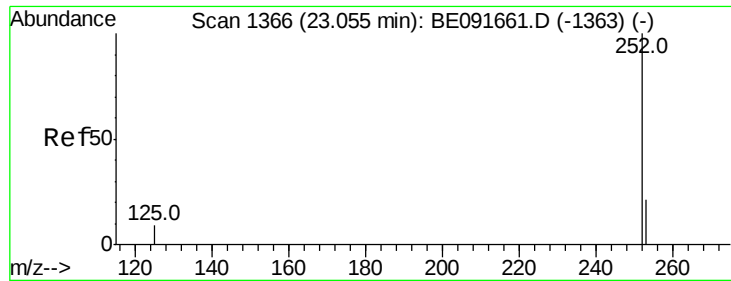
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#36
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 23.00 min Scan# 1361
Delta R.T. 0.00 min
Lab File: BE091672.D
Acq: 18 Apr 2016 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	39.5	17.4	26.0#	
125	42.9	10.2	15.2#	





#37

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 23.06 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BE091672.D

Acq: 18 Apr 2016 20:24

Instrument :

BNA_E

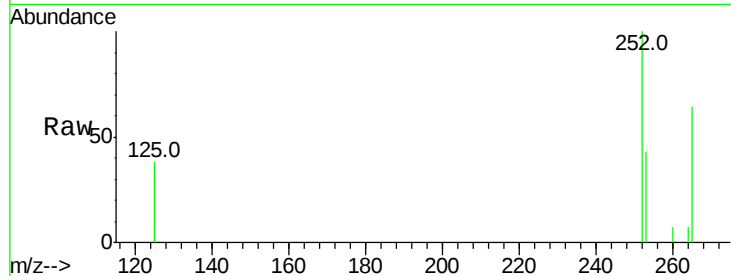
ClientSampleId :

BCR05

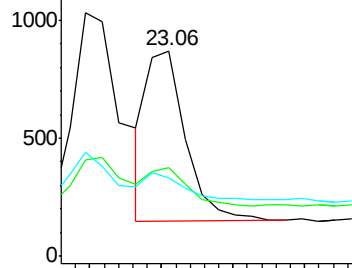
Tot Ion:	252	Resp:	1363
Ion Ratio	Lower	Upper	
252	100		
253	43.0	17.6	26.4#
125	38.2	9.9	14.9#

Manual Integrations
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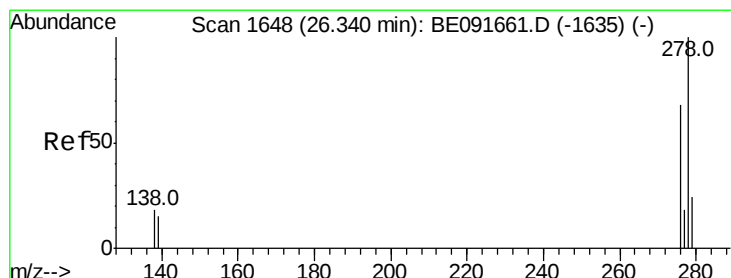
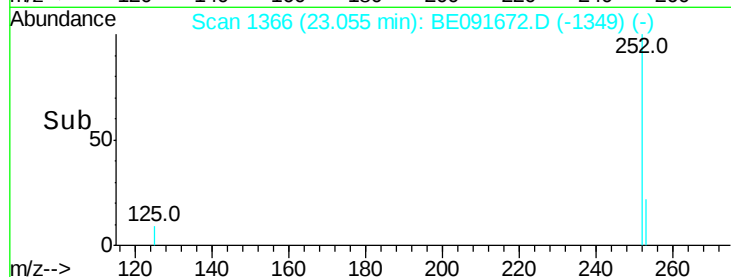
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->



#39

Dibenzo(a,h)anthracene

Concen: 0.03 ng

RT: 26.34 min Scan# 1648

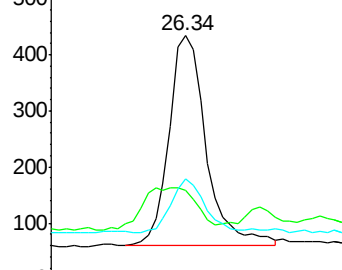
Delta R.T. -0.00 min

Lab File: BE091672.D

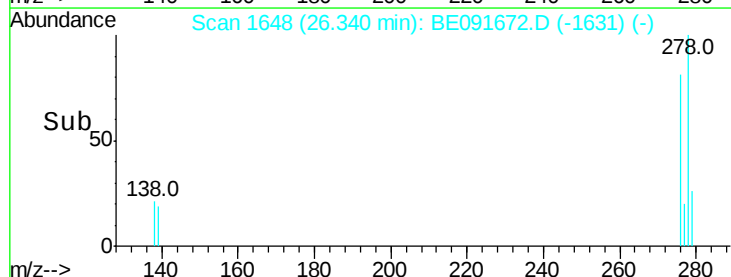
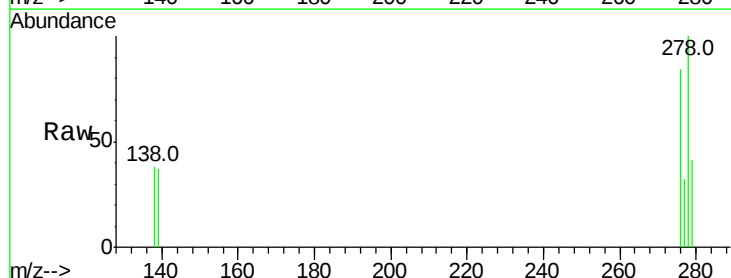
Acq: 18 Apr 2016 20:24

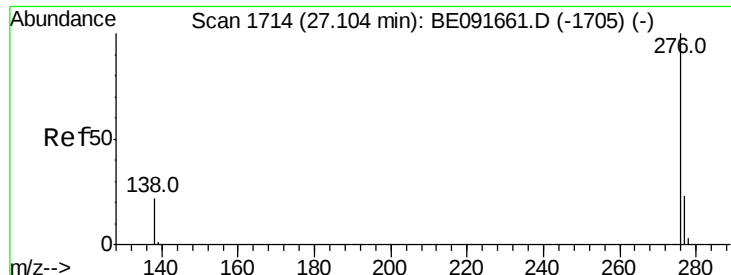
Tgt Ion:	278	Resp:	1497
Ion Ratio	Lower	Upper	
278	100		
139	36.6	16.0	24.0#
279	41.0	19.4	29.2#

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



Time-->





#40
 Benzo(a,h,i)perylene
 Concen: 0.03 ng
 RT: 27.10 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: BE091672.D
 Acq: 18 Apr 2016 20:24

Instrument :
 BNA_E
 ClientSampleId :
 BCR05

Tot Ion	Ratio	Lower	Upper
276	100		
277	34.7	18.6	28.0#
138	37.1	20.4	30.6#

Manual Integrations
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