

Data Path : Z:\HPCHEM1\BNA E\DATA\BE051816\
 Data File : BE091796.D
 Acq On : 18 May 2016 19:44
 Operator : UM/SJ
 Sample : H3065-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SS043MW009-160511

Manual Integrations
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 5/19/2016 7:02:56 PM

Quant Time: May 19 16:59:00 2016
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE042616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 26 16:09:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	34945	5.00	ng	-0.02
7) Naphthalene-d8	10.57	136	184725	5.00	ng	0.00
13) Acenaphthene-d10	14.40	164	120283	5.00	ng	-0.01
19) Phenanthrene-d10	17.14	188	270980	5.00	ng	-0.01
26) Chrysene-d12	21.29	240	278421	5.00	ng	-0.02
35) Perylene-d12	23.74	264	290154	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	23238	2.71	ng	0.00
5) Phenol-d6	6.99	99	23838	2.09	ng	0.03
8) Nitrobenzene-d5	8.93	82	43258	3.63	ng	-0.01
14) 2,4,6-Tribromophenol	15.88	330	38318	8.55	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	119964	3.53	ng	-0.01
29) Terphenyl-d14	19.74	244	187839	4.33	ng	-0.02
Target Compounds						
10) Naphthalene	10.61	128	33011	0.88	ng	Qvalue # 61
18) Fluorene	15.44	166	9466	0.25	ng	96
22) Pentachlorophenol	16.79	266	497	0.19	ng	97
23) Phenanthrene	17.17	178	5173m	0.08	ng	

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

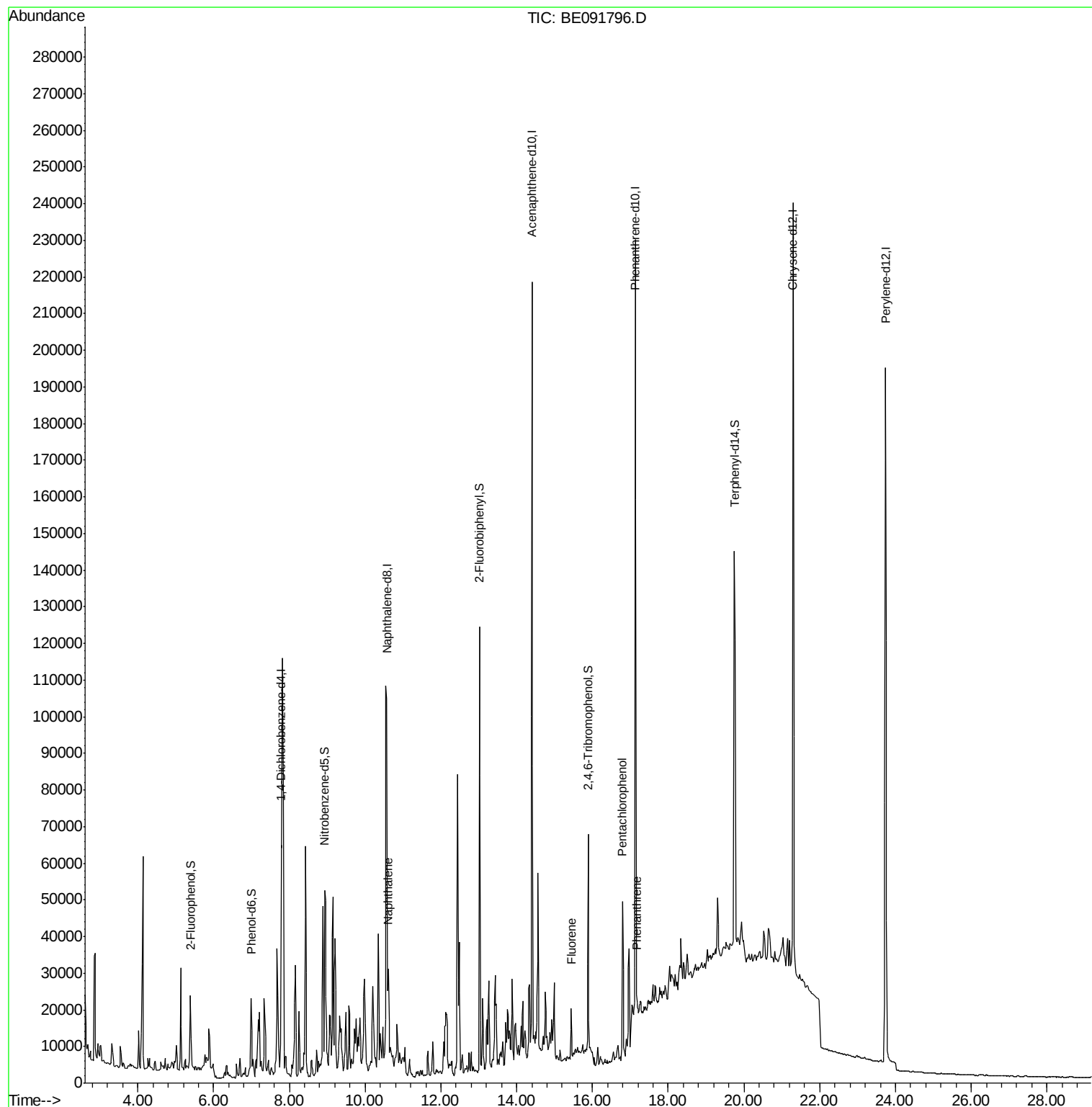
Data Path : Z:\HPCHEM1\BNA E\DATA\BE051816\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 26 16:09:46 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.78 min Scan# 299

Delta R.T. -0.02 min

Lab File: BE091796.D

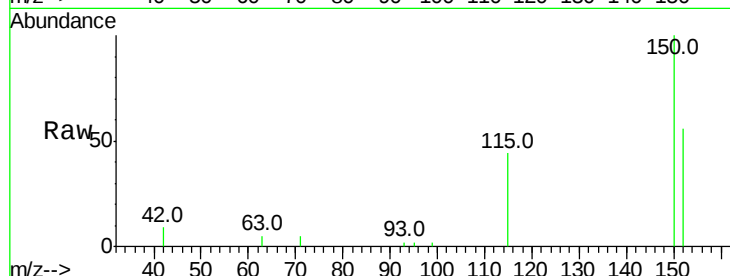
Acq: 18 May 2016 19:44

Instrument :

BNA_E

ClientSampleId :

SS043MW009-160511



Tot Ion:152 Resp: 34945

Ion Ratio Lower Upper

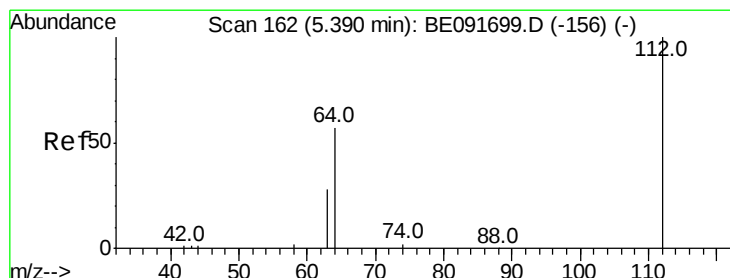
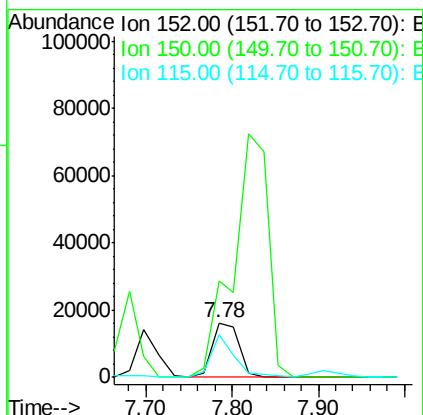
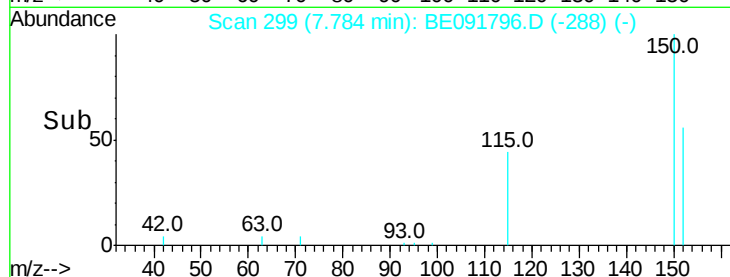
152 100

150 177.0 122.6 183.8

115 77.8 52.8 79.2

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#4

2-Fluorophenol

Concen: 2.71 ng

RT: 5.39 min Scan# 162

Delta R.T. 0.00 min

Lab File: BE091796.D

Acq: 18 May 2016 19:44

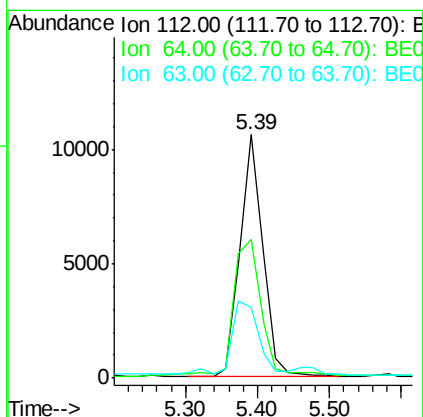
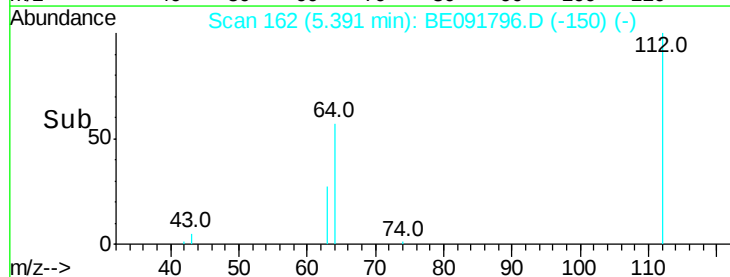
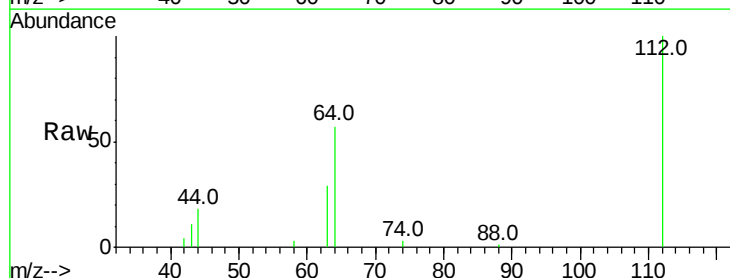
Tgt Ion:112 Resp: 23238

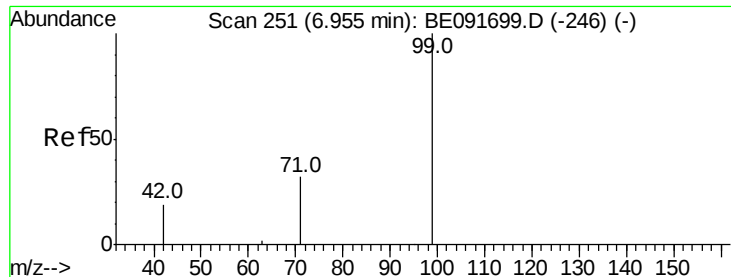
Ion Ratio Lower Upper

112 100

64 67.9 30.9 46.3#

63 35.3 16.7 25.1#





#5

Phenol-d6

Concen: 2.09 ng

RT: 6.99 min Scan# 253

Delta R.T. 0.03 min

Lab File: BE091796.D

Acq: 18 May 2016 19:44

Instrument :

BNA_E

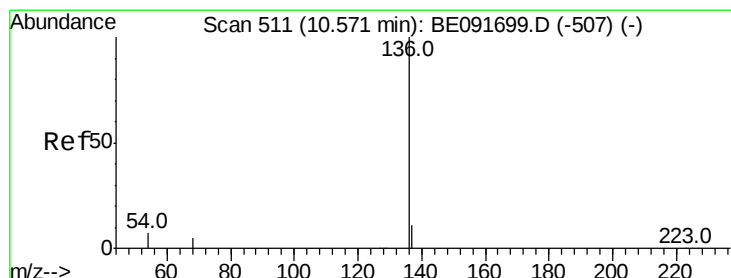
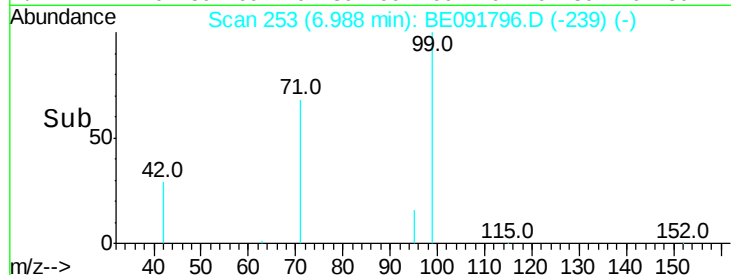
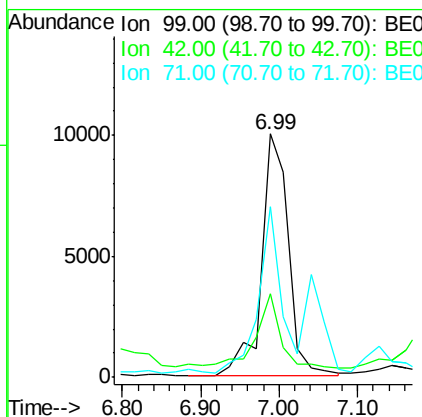
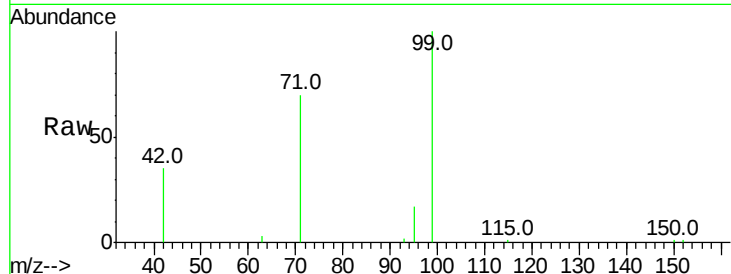
ClientSampleId :

SS043MW009-160511

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		23838		
42	28.4	16.2	24.2#		
71	60.1	29.0	43.4#		

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#7

Naphthalene-d8

Concen: 5.00 ng

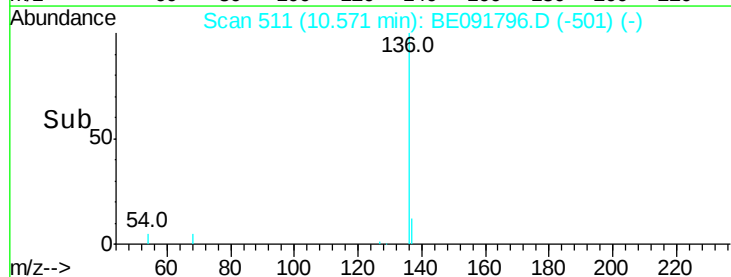
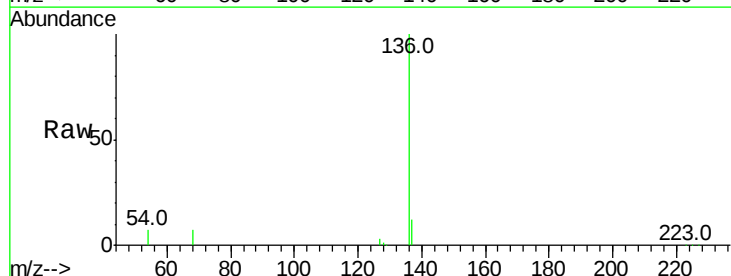
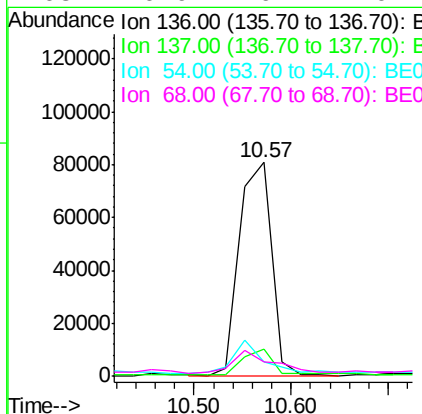
RT: 10.57 min Scan# 511

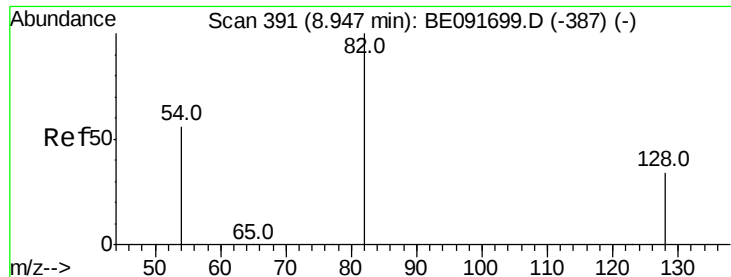
Delta R.T. 0.00 min

Lab File: BE091796.D

Acq: 18 May 2016 19:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		184725		
137	12.4	8.9	13.3		
54	6.6	8.2	12.4#		
68	6.9	6.2	9.4		





#8

Nitrobenzene-d5

Concen: 3.63 ng

RT: 8.93 min Scan# 390

Delta R.T. -0.01 min

Lab File: BE091796.D

Acq: 18 May 2016 19:44

Instrument :

BNA_E

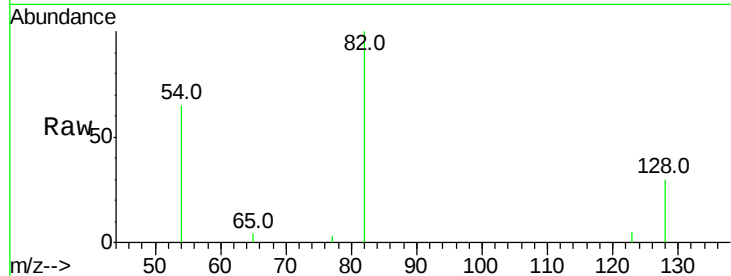
ClientSampleId :

SS043MW009-160511

Tot Ion:	82	Resp:	43258
Ion Ratio	Lower	Upper	
82	100		
128	30.1	25.4	38.0
54	64.7	48.4	72.6

Manual Integrations
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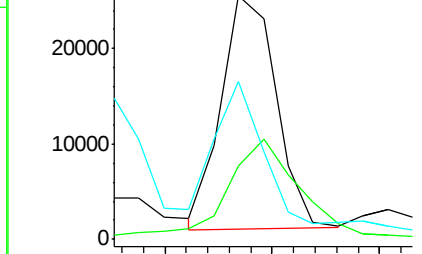
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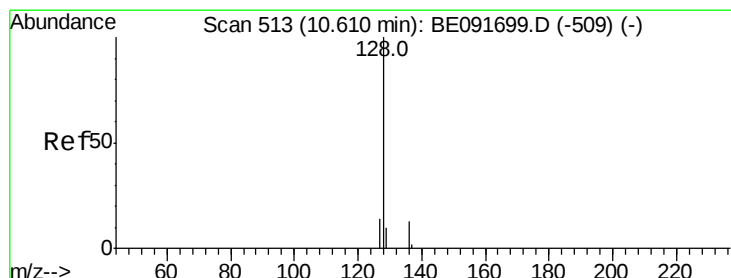
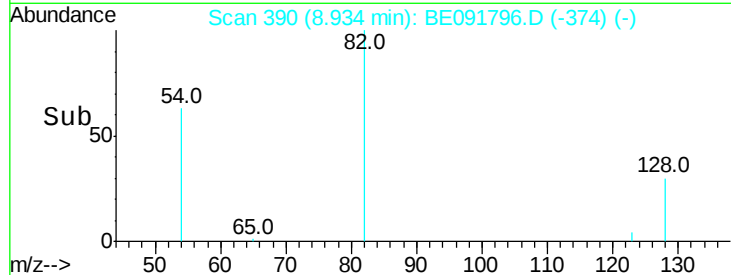
Abundance Ion 82.00 (81.70 to 82.70): BE091796.D (-387) (-)

Ion 128.00 (127.70 to 128.70): BE091796.D (-387) (-)

Ion 54.00 (53.70 to 54.70): BE091796.D (-387) (-)



Time-->



#10

Naphthalene

Concen: 0.88 ng

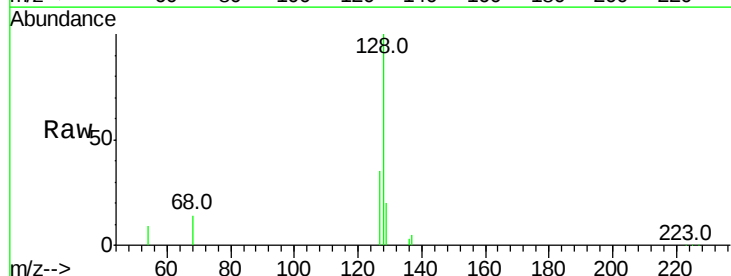
RT: 10.61 min Scan# 513

Delta R.T. 0.00 min

Lab File: BE091796.D

Acq: 18 May 2016 19:44

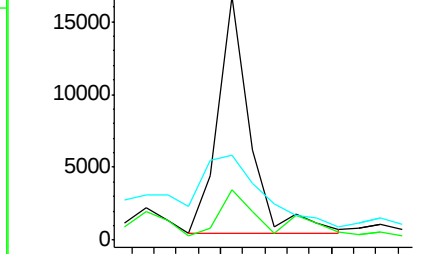
Tgt Ion:	128	Resp:	33011
Ion Ratio	Lower	Upper	
128	100		
129	20.5	9.3	13.9#
127	34.8	10.7	16.1#



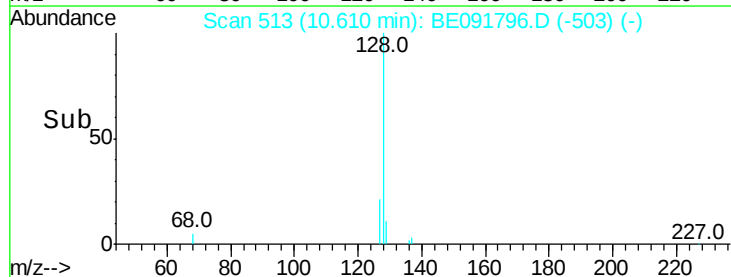
Abundance Ion 128.00 (127.70 to 128.70): BE091796.D (-509) (-)

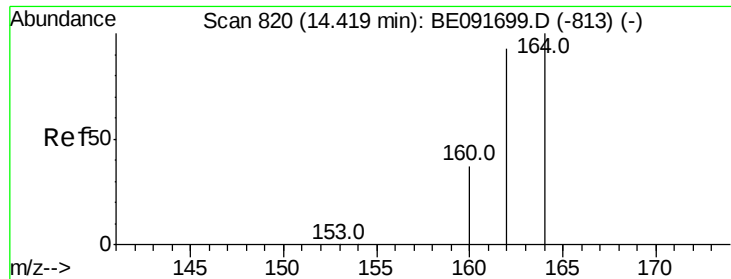
Ion 129.00 (128.70 to 129.70): BE091796.D (-509) (-)

Ion 127.00 (126.70 to 127.70): BE091796.D (-509) (-)



Time-->





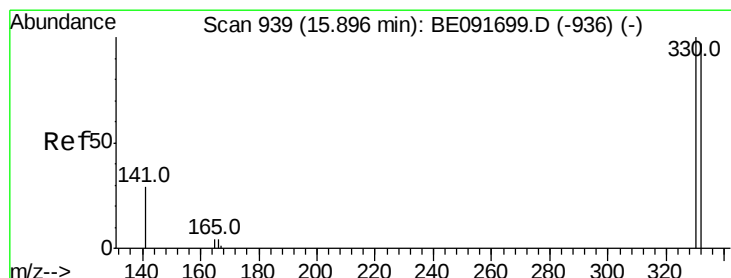
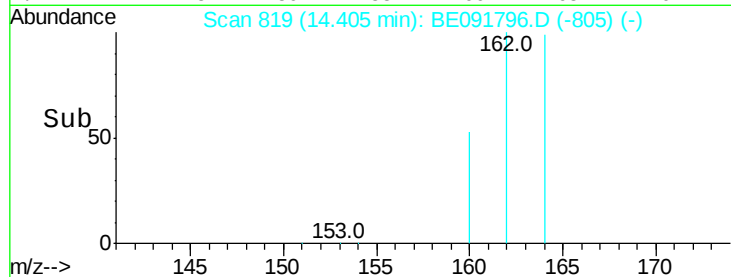
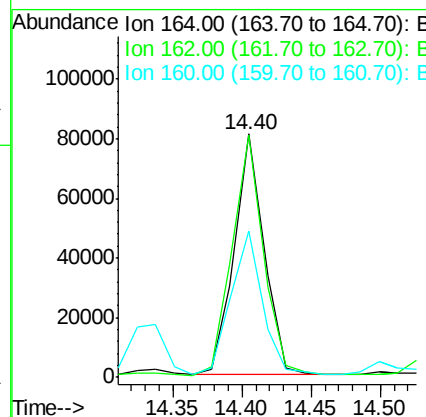
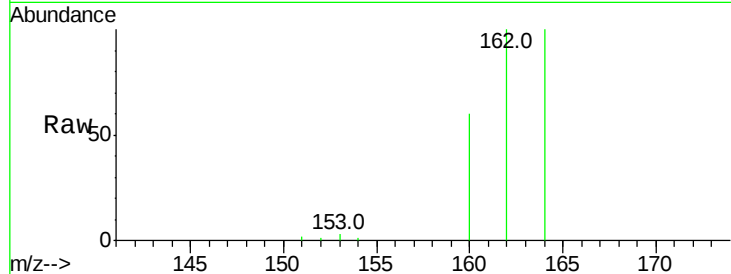
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.40 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091796.D
Acq: 18 May 2016 19:44

Instrument :
BNA_E
ClientSampleId :
SS043MW009-160511

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.8	85.3	127.9
160	60.3	46.2	69.2

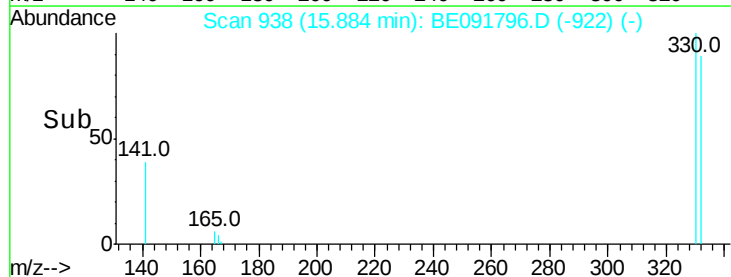
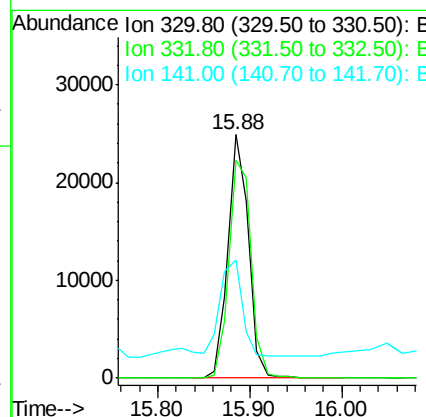
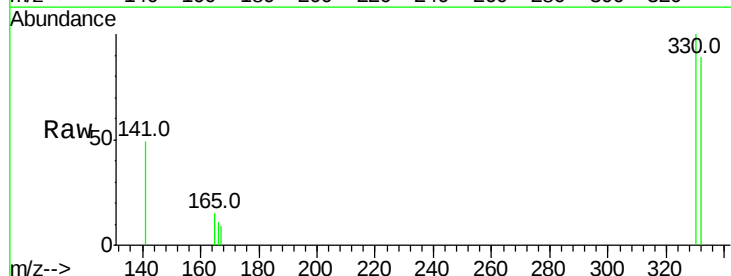
Manual Integrations
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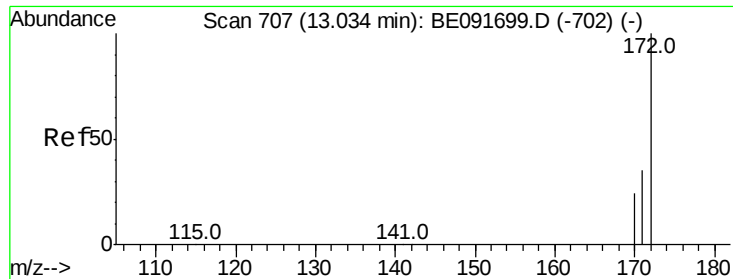
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#14
2,4,6-Tribromophenol
Concen: 8.55 ng
RT: 15.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: BE091796.D
Acq: 18 May 2016 19:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.1	118.7
141	42.3	125.4	188.0#





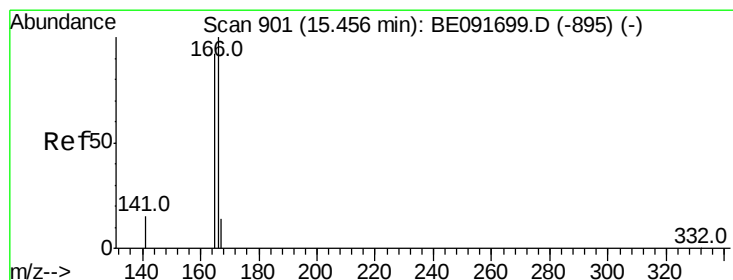
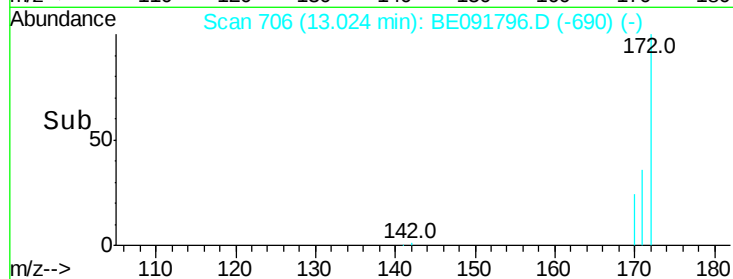
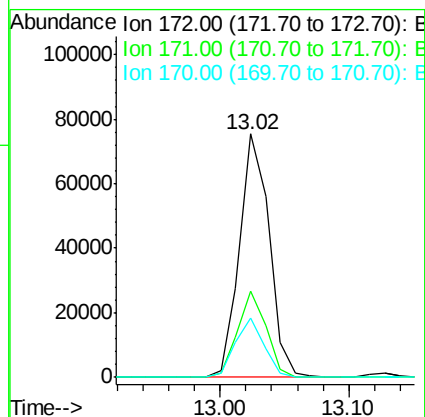
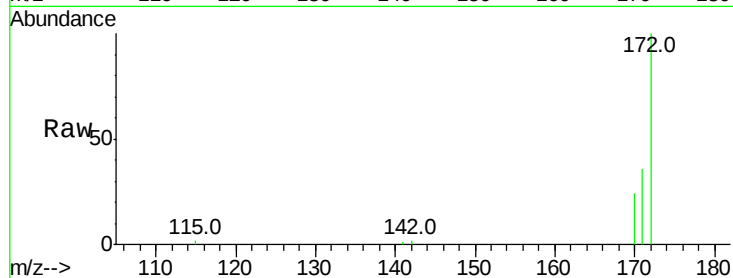
#15
2-Fluorobiphenyl
Concen: 3.53 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091796.D
Acq: 18 May 2016 19:44

Instrument :
BNA_E
ClientSampleId :
SS043MW009-160511

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.8	43.2
170	24.4	19.3	28.9

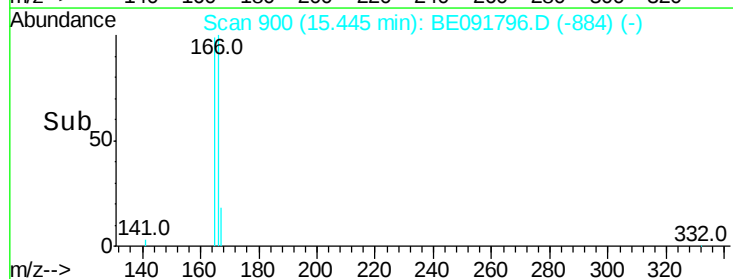
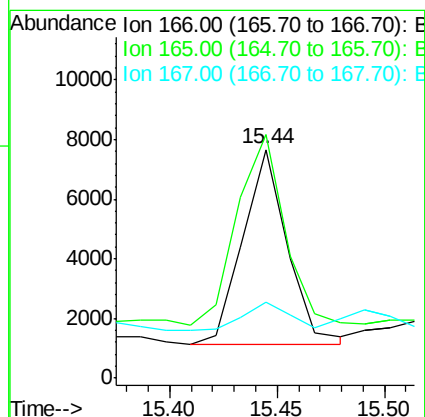
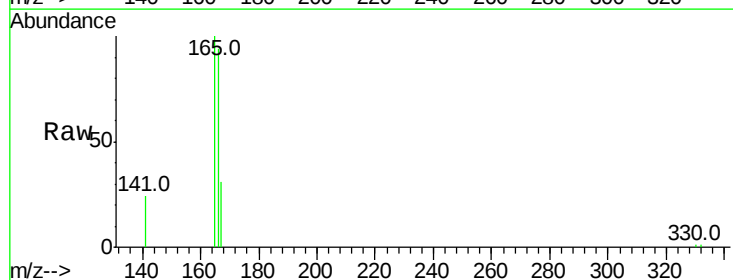
Manual Integrations
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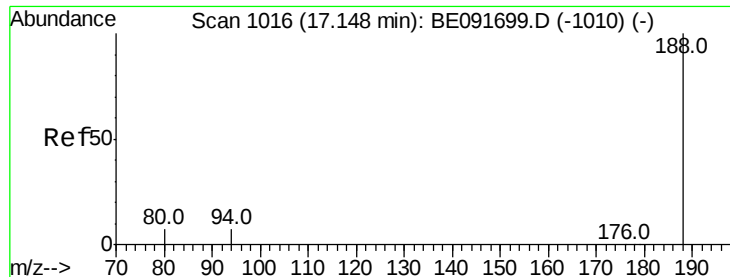
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#18
Fluorene
Concen: 0.25 ng
RT: 15.44 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE091796.D
Acq: 18 May 2016 19:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.3	80.8	121.2
167	14.6	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: BE091796.D

Acq: 18 May 2016 19:44

Instrument :

BNA_E

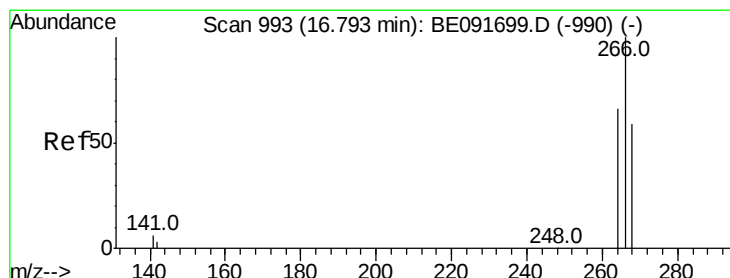
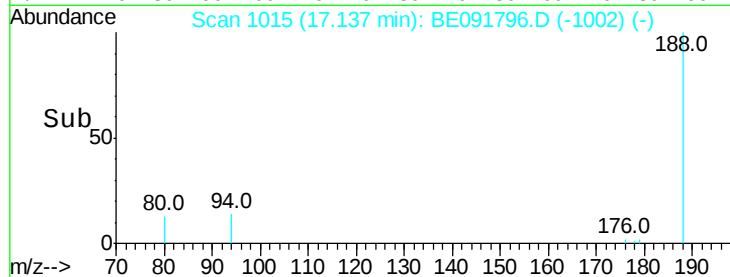
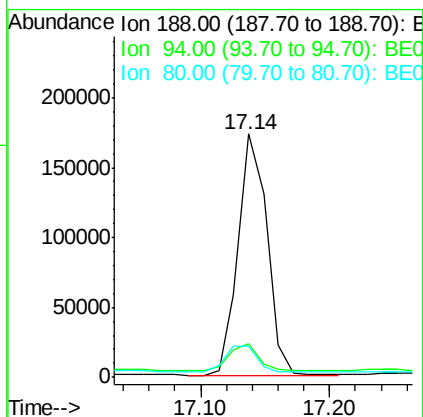
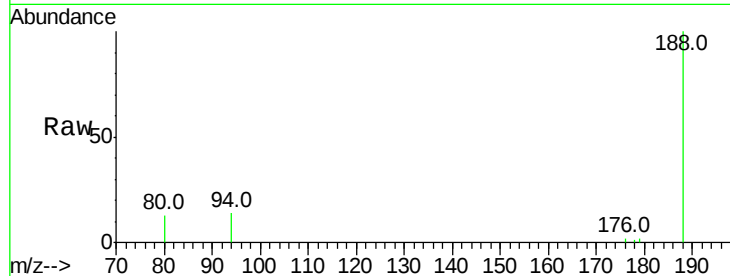
ClientSampleId :

SS043MW009-160511

Tot Ion:	188	Resp:	270980
Ion Ratio	Lower	Upper	
188	100		
94	13.8	8.7	13.1#
80	12.8	9.4	14.0

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#22

Pentachlorophenol

Concen: 0.19 ng

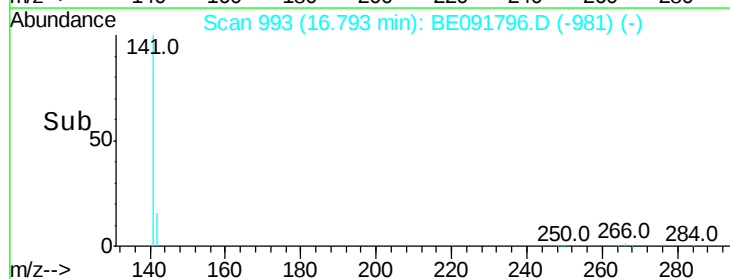
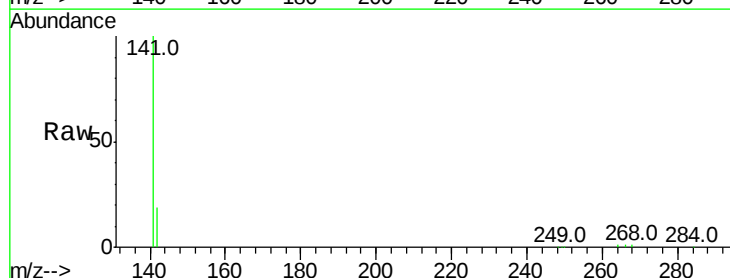
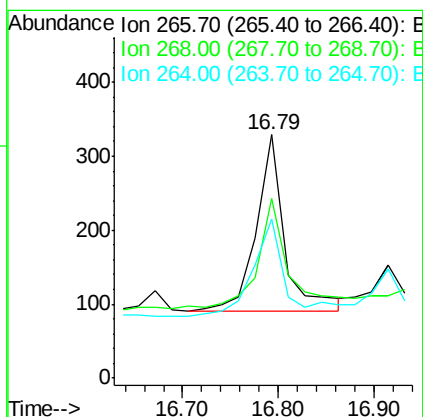
RT: 16.79 min Scan# 993

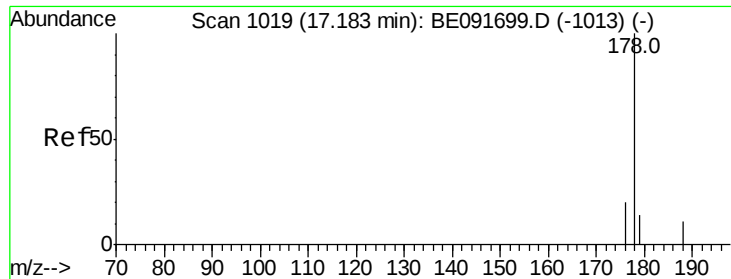
Delta R.T. -0.00 min

Lab File: BE091796.D

Acq: 18 May 2016 19:44

Tgt Ion:	266	Resp:	497
Ion Ratio	Lower	Upper	
266	100		
268	73.9	58.2	87.2
264	65.7	56.2	84.4





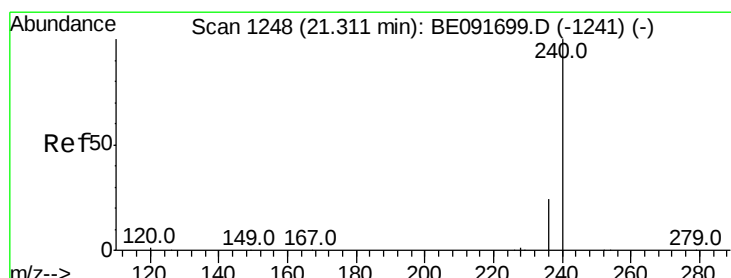
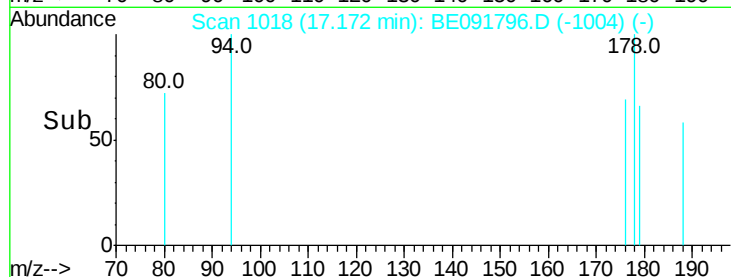
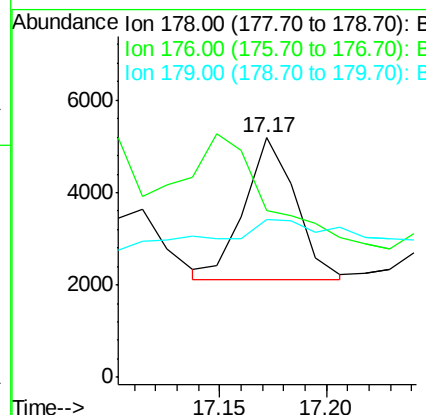
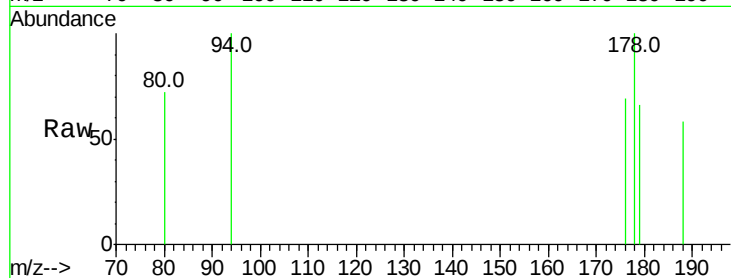
#23
Phenanthrene
Concen: 0.08 ng/ml
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091796.D
Acq: 18 May 2016 19:44

Instrument :
BNA_E
ClientSampleId :
SS043MW009-160511

Tot Ion:178 Resp: 5173
Ion Ratio Lower Upper
178 100
176 0.0 15.3 22.9#
179 0.0 12.6 18.8#

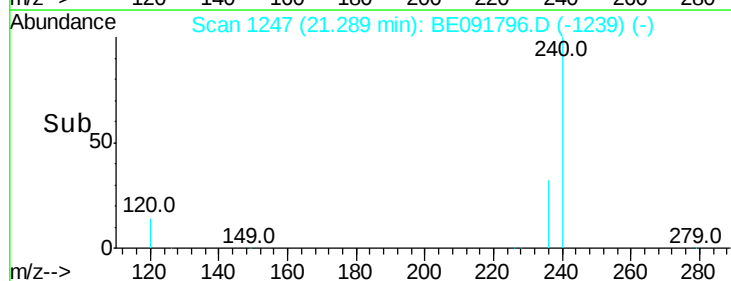
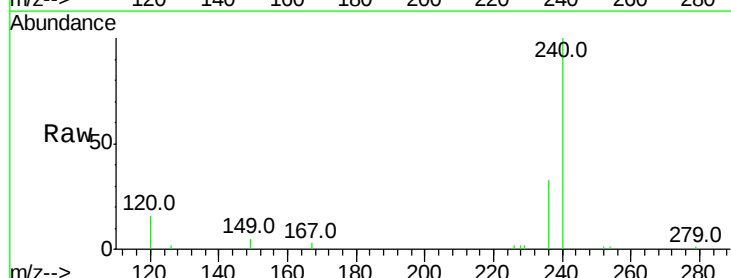
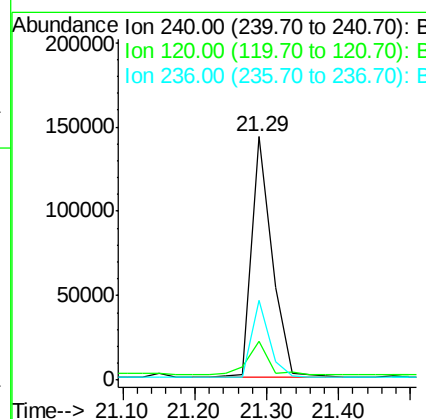
Manual Integrations
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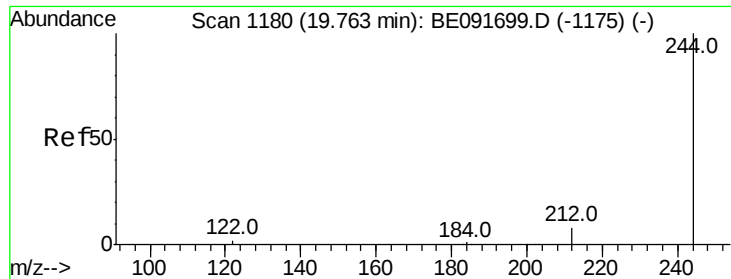
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#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091796.D
Acq: 18 May 2016 19:44

Tgt Ion:240 Resp: 278421
Ion Ratio Lower Upper
240 100
120 15.9 11.0 16.4
236 32.6 21.7 32.5#





#29

Terphenyl-d14

Concen: 4.33 ng

RT: 19.74 min Scan# 1179

Delta R.T. -0.02 min

Lab File: BE091796.D

Acq: 18 May 2016 19:44

Instrument :

BNA_E

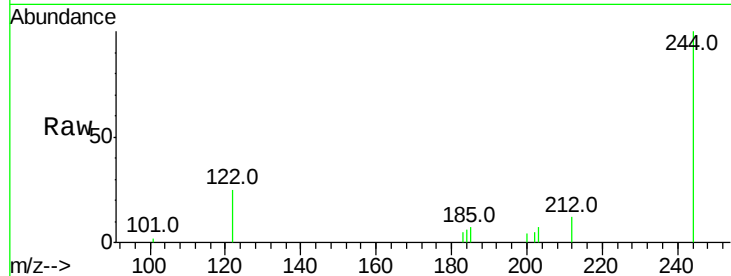
ClientSampleId :

SS043MW009-160511

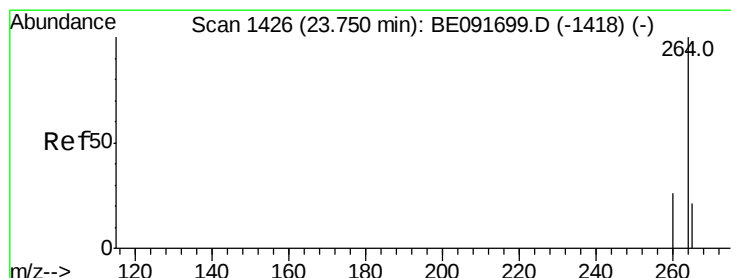
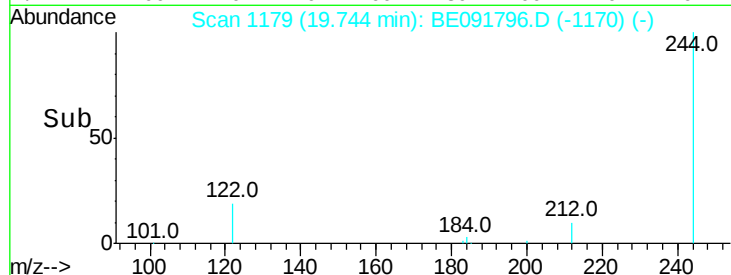
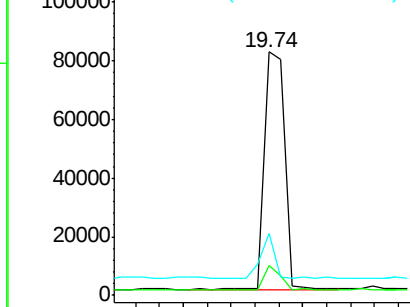
Tot Ion:	244	Resp:	187839
Ion Ratio	Lower	Upper	
244	100		
212	12.0	6.9	10.3#
122	25.5	11.0	16.4#

Manual Integrations
APPROVED

sohil
5/19/2016 7:02:56 PM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#35

Perylene-d12

Concen: 5.00 ng

RT: 23.74 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BE091796.D

Acq: 18 May 2016 19:44

Tgt Ion:	264	Resp:	290154
Ion Ratio	Lower	Upper	
264	100		
260	25.2	20.0	30.0
265	22.7	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

