

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086972.D
 Acq On : 13 May 2016 13:33
 Operator : UM/SJ
 Sample : H2965-02DL 2X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E-15(8.5-9)DL

Manual Integrations
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Quant Time: May 13 15:12:03 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 14:55:23 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	151892	20.00	ng	-0.08
21) Naphthalene-d8	7.91	136	577345	20.00	ng	-0.08
38) Acenaphthene-d10	9.66	164	236547	20.00	ng	-0.08
63) Phenanthrene-d10	11.13	188	355893	20.00	ng	-0.08
75) Chrysene-d12	13.76	240	320487	20.00	ng	-0.08
86) Perylene-d12	15.13	264	275381	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	517443	57.69	ng	-0.08
7) Phenol-d6	6.28	99	668781	55.79	ng	-0.08
23) Nitrobenzene-d5	7.19	82	390636	33.97	ng	-0.08
41) 2,4,6-Tribromophenol	10.44	330	97501	38.93	ng	-0.08
44) 2-Fluorobiphenyl	8.99	172	510047	36.24	ng	-0.07
78) Terphenyl-d14	12.72	244	358883	23.76	ng	-0.08
Target Compounds						Qvalue
49) Dimethylphthalate	9.39	163	52807	2.93	ng	100
51) Acenaphthene	9.69	154	46804	3.47	ng	98
54) Dibenzofuran	9.86	168	38858	2.24	ng	98
57) Fluorene	10.20	166	50964	3.45	ng	98
70) Phenanthrene	11.15	178	461264	24.29	ng	99
71) Anthracene	11.21	178	178234	9.18	ng	98
74) Fluoranthene	12.34	202	788737	40.38	ng	97
77) Pyrene	12.57	202	812794	33.13	ng	99
80) Benzo(a)anthracene	13.76	228	395944	22.01	ng	98
82) Chrysene	13.79	228	314719m	17.20	ng	
85) Indeno(1,2,3-cd)pyrene	16.38	276	131822	8.66	ng	# 86
87) Benzo(b)fluoranthene	14.77	252	319369m	17.84	ng	
88) Benzo(k)fluoranthene	14.77	252	165206m	11.27	ng	
89) Benzo(a)pyrene	15.07	252	257155	16.66	ng	97
90) Dibenzo(a,h)anthracene	16.38	278	29307m	2.25	ng	
91) Benzo(g,h,i)perylene	16.75	276	120811	9.14	ng	# 92

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

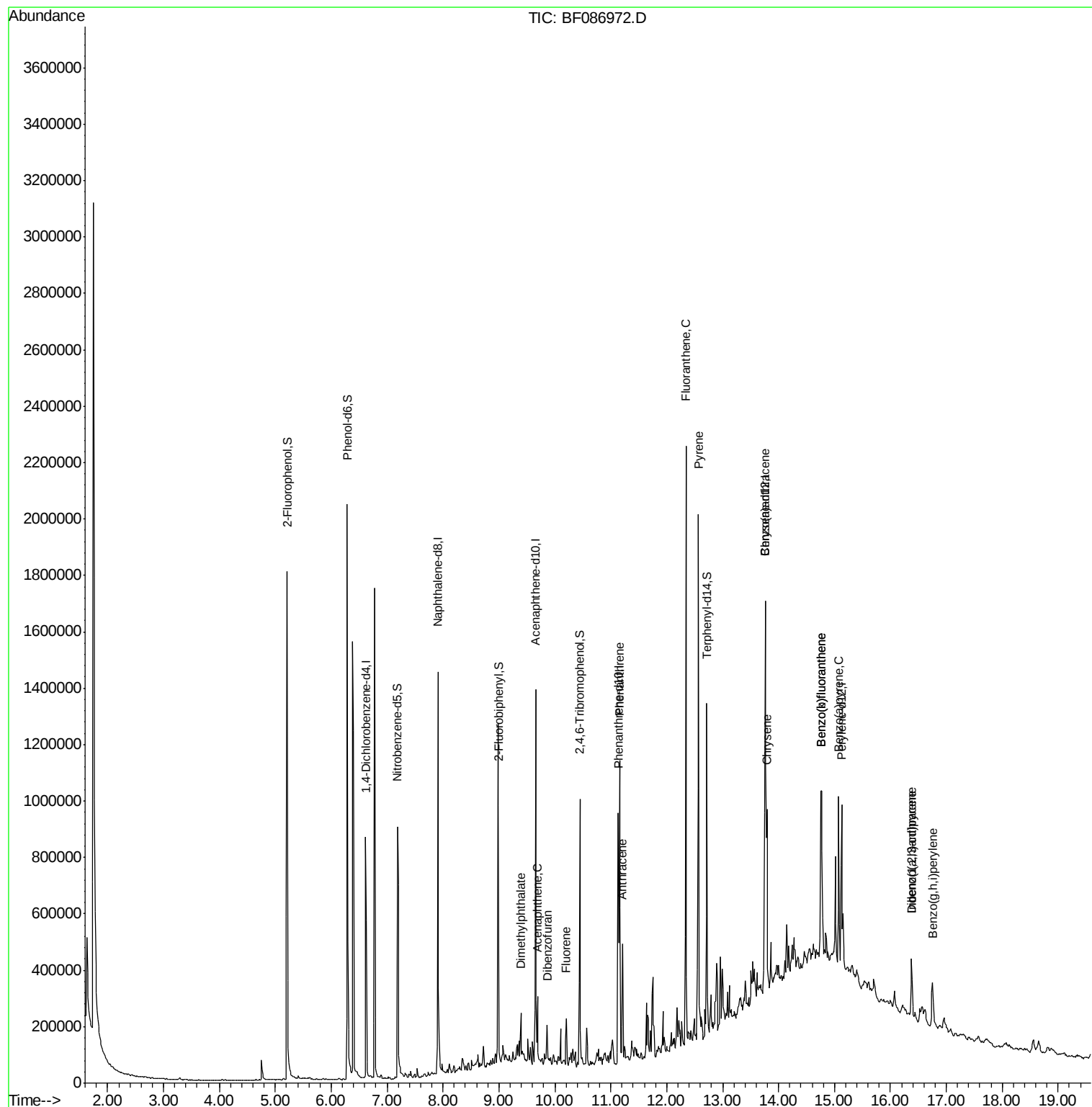
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086972.D
Acq On : 13 May 2016 13:33
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Sample : H2965-02DL 2X
Misc :
ALS Vial : 50 Sample Multiplier: 1

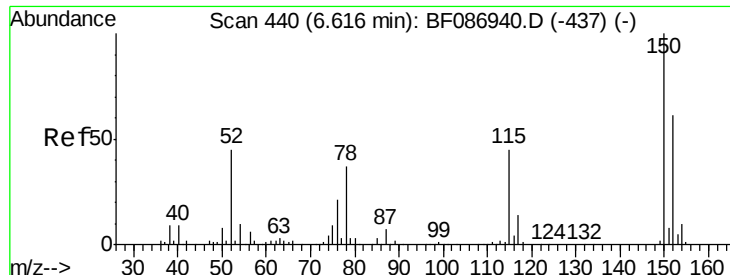
Instrument :
BNA_F
ClientSampled :
E-15(8.5-9)DL

Manual Integrations
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Quant Time: May 13 15:12:03 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 14:55:23 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.08 min

Lab File: BF086972.D

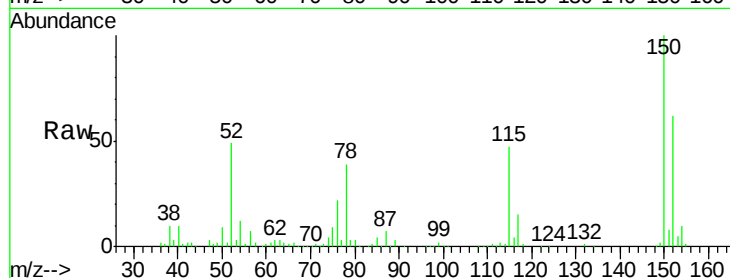
Acq: 13 May 2016 13:33

Instrument :

BNA_F

ClientSampleId :

E-15(8.5-9)DL



Tgt Ion:152 Resp: 151892

Ion Ratio Lower Upper

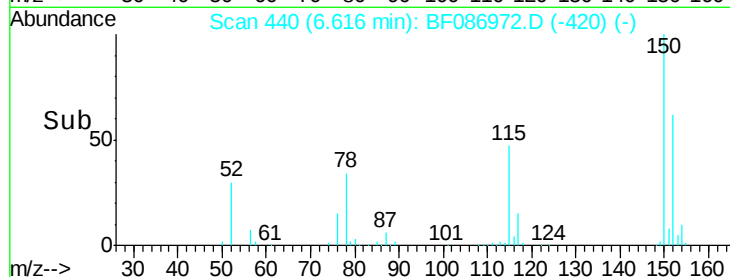
152 100

150 161.8 125.8 188.6

115 76.1 51.5 77.3

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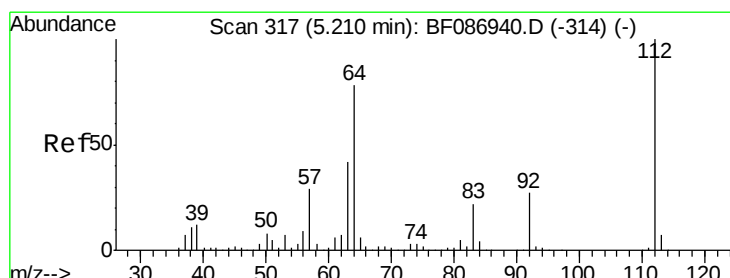
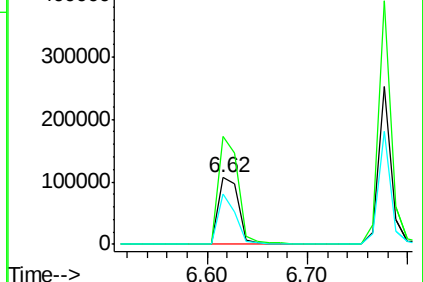
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 57.69 ng

RT: 5.21 min Scan# 317

Delta R.T. -0.08 min

Lab File: BF086972.D

Acq: 13 May 2016 13:33

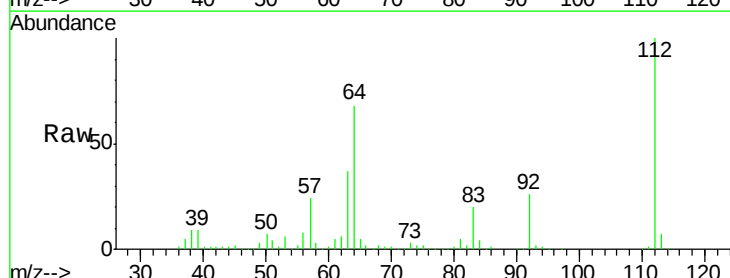
Tgt Ion:112 Resp: 517443

Ion Ratio Lower Upper

112 100

64 67.8 52.1 78.1

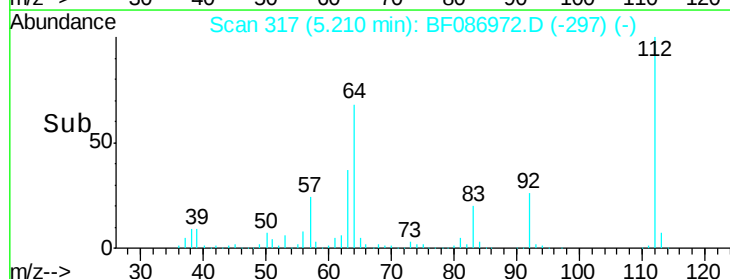
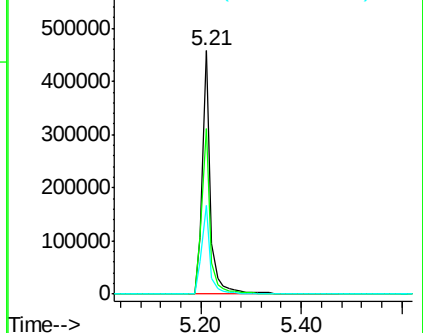
63 36.6 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 55.79 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF086972.D

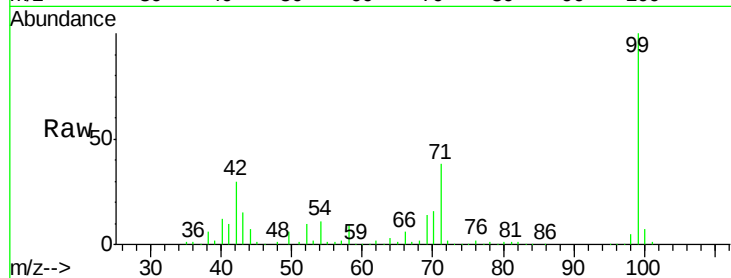
Acq: 13 May 2016 13:33

Instrument :

BNA_F

ClientSampleId :

E-15(8.5-9)DL



Tgt Ion: 99 Resp: 668781

Ion Ratio Lower Upper

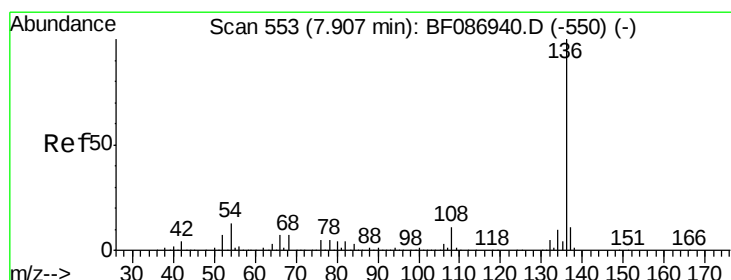
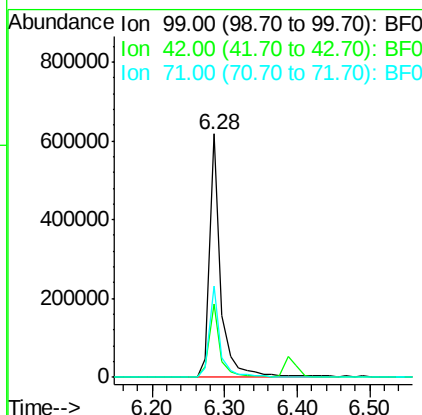
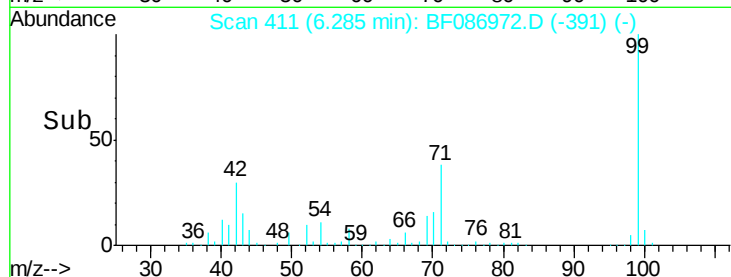
99 100

42 29.9 13.6 20.4#

71 37.6 24.6 36.8#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.08 min

Lab File: BF086972.D

Acq: 13 May 2016 13:33

Tgt Ion: 136 Resp: 577345

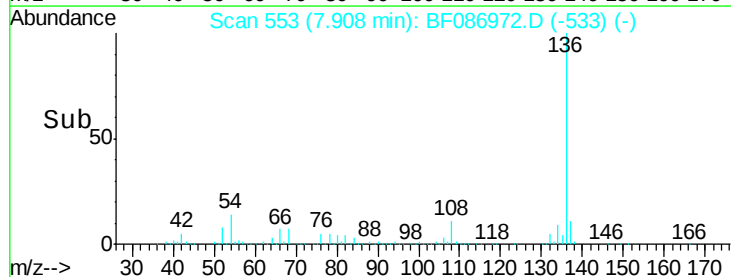
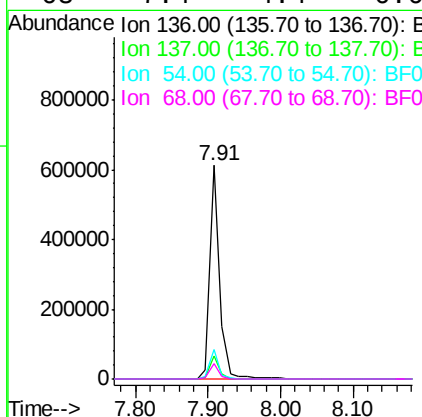
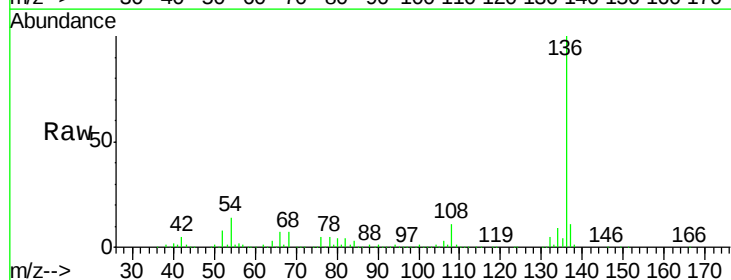
Ion Ratio Lower Upper

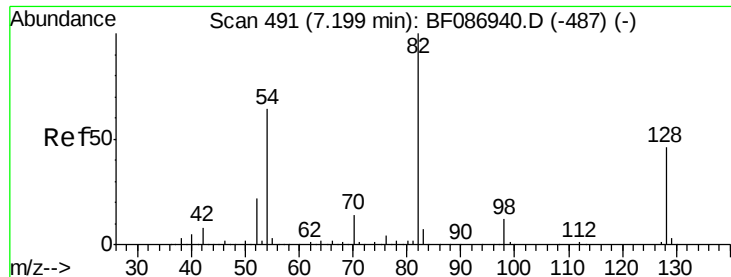
136 100

137 11.0 8.8 13.2

54 13.8 5.0 7.4#

68 7.4 4.4 6.6#





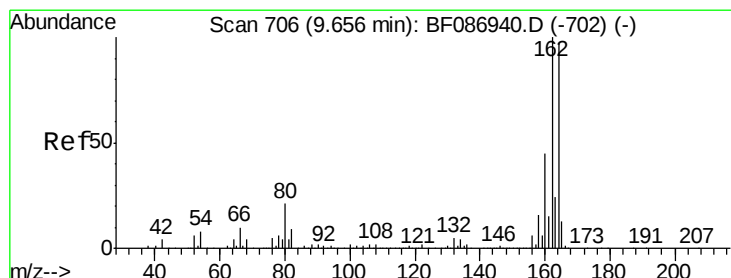
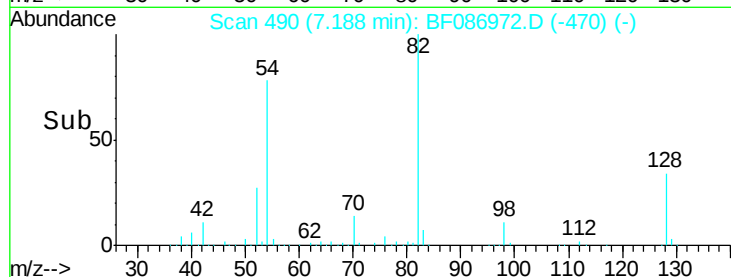
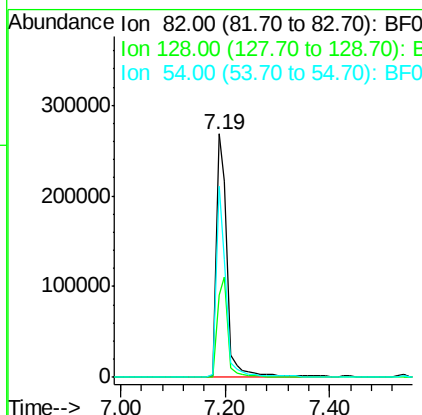
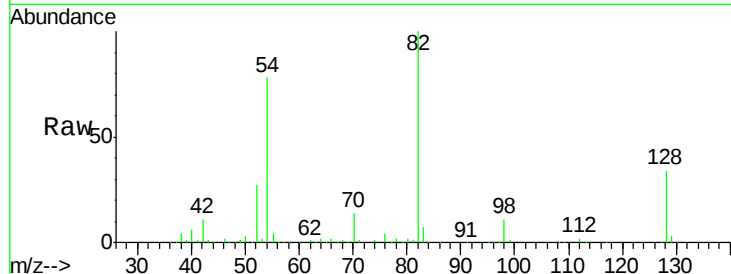
#23
 Nitrobenzene-d5
 Concen: 33.97 ng
 RT: 7.19 min Scan# 490
 Delta R.T. -0.08 min
 Lab File: BF086972.D
 Acq: 13 May 2016 13:33

Instrument :
 BNA_F
 ClientSampleId :
 E-15(8.5-9)DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	390636		
128	33.9	40.6	61.0#	
54	78.3	38.1	57.1#	

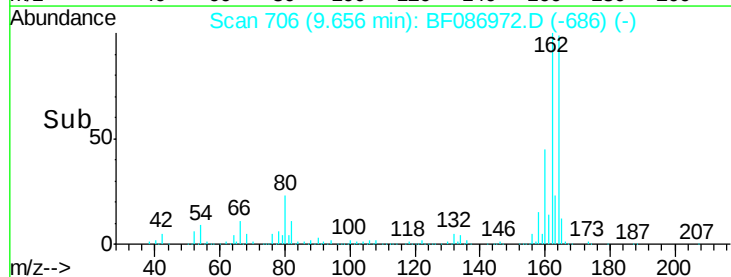
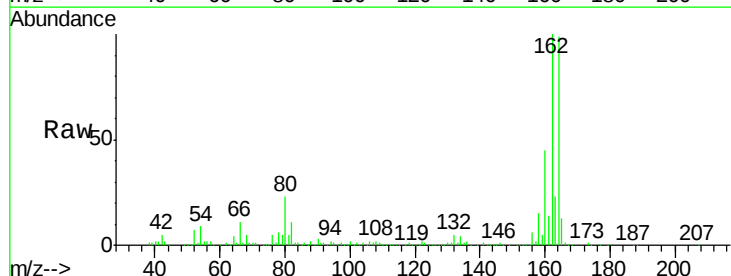
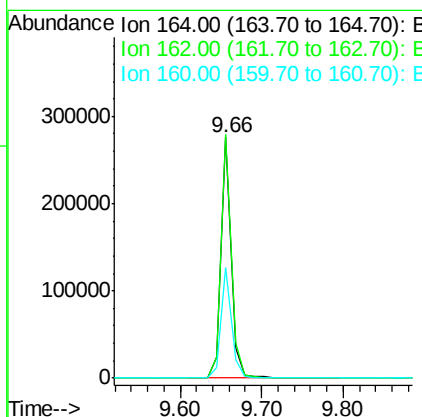
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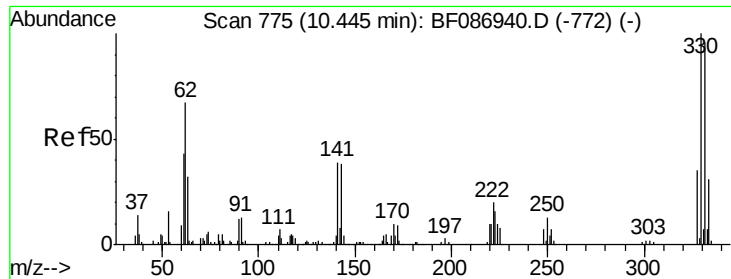
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.66 min Scan# 706
 Delta R.T. -0.08 min
 Lab File: BF086972.D
 Acq: 13 May 2016 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	236547		
162	101.2	82.8	124.2	
160	45.9	36.9	55.3	





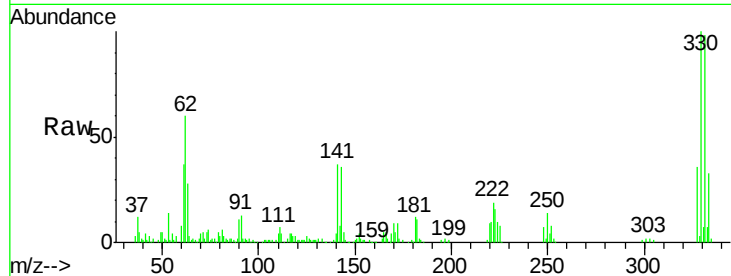
#41
 2,4,6-Tribromophenol
 Concen: 38.93 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.08 min
 Lab File: BF086972.D
 Acq: 13 May 2016 13:33

Instrument :
 BNA_F
 ClientSampled :
 E-15(8.5-9)DL

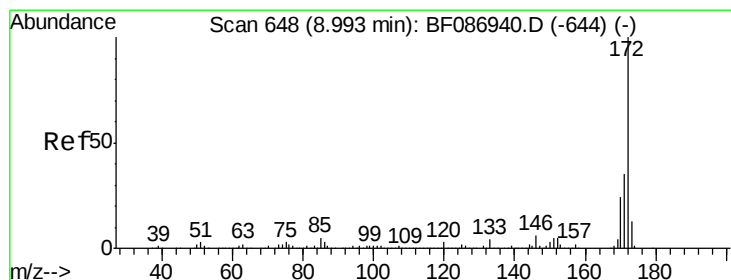
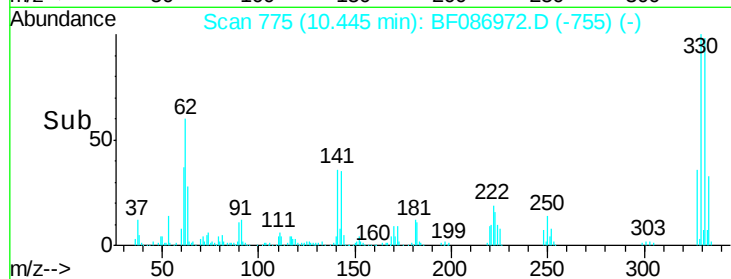
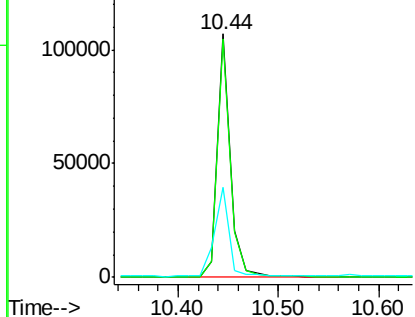
Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.2	79.0	118.4
141	40.6	31.2	46.8

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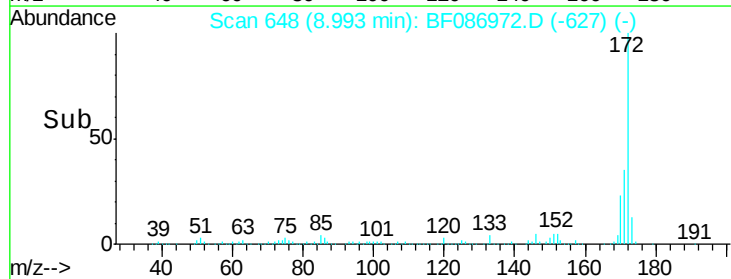
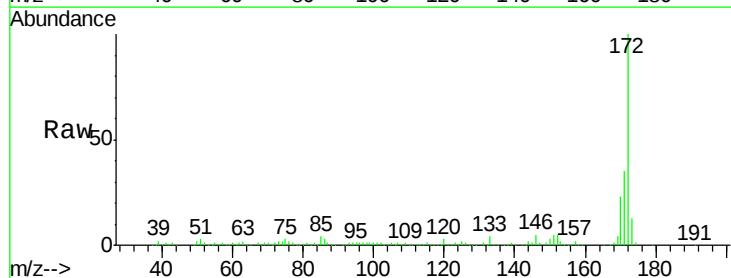
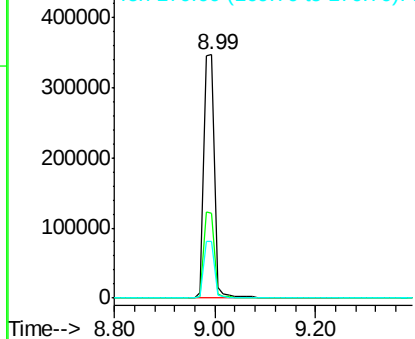
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

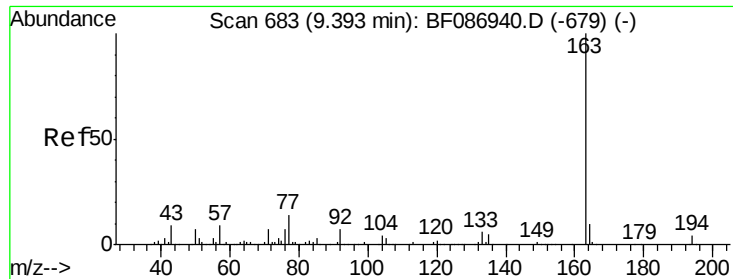


#44
 2-Fluorobiphenyl
 Concen: 36.24 ng
 RT: 8.99 min Scan# 648
 Delta R.T. -0.07 min
 Lab File: BF086972.D
 Acq: 13 May 2016 13:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.6
170	23.4	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





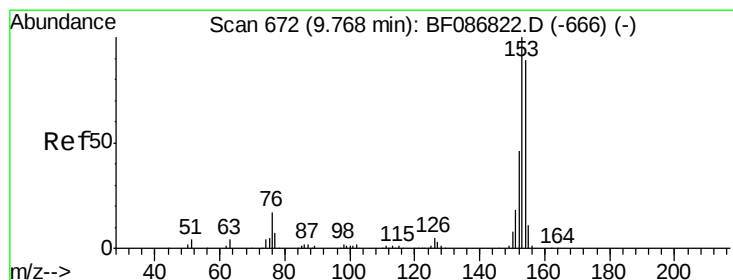
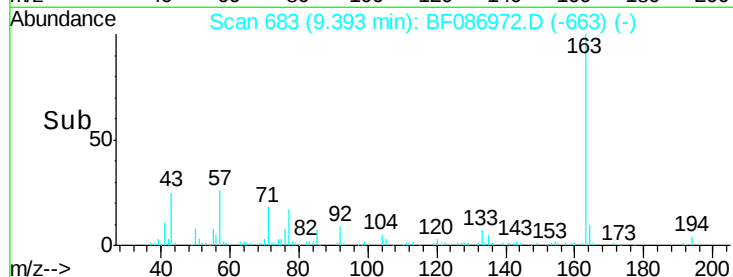
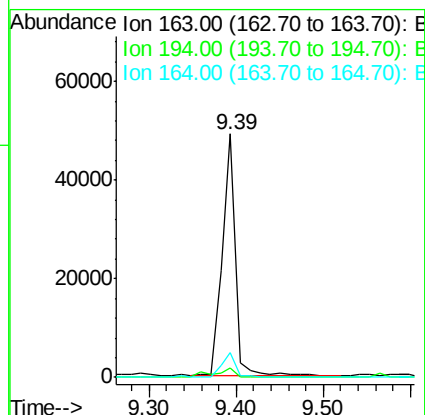
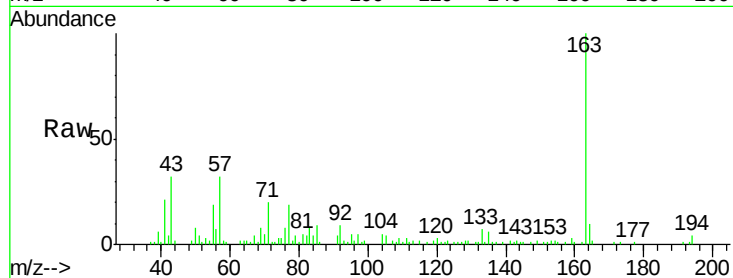
#49
Dimethylphthalate
Concen: 2.93 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Instrument :
BNA_F
ClientSampleId :
E-15(8.5-9)DL

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	52807		
194	3.7		2.6	4.0
164	10.4		8.2	12.4

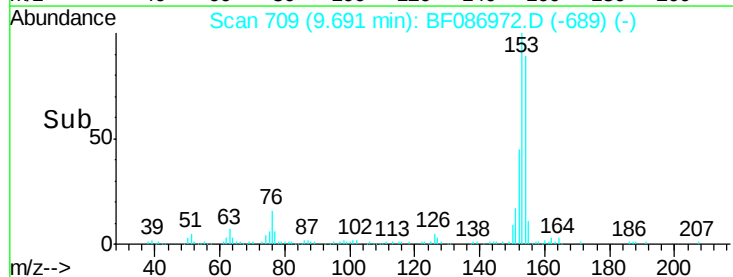
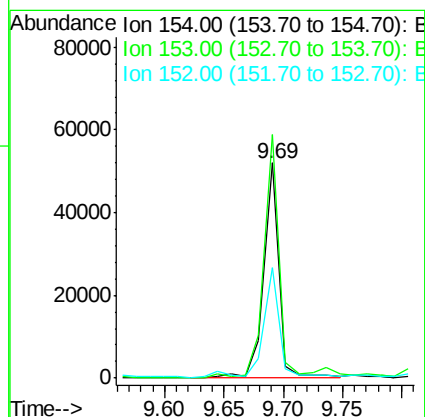
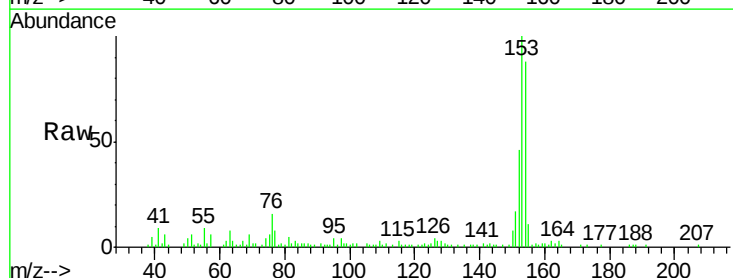
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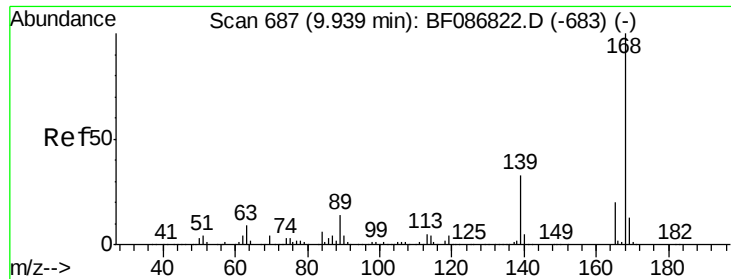
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#51
Acenaphthene
Concen: 3.47 ng
RT: 9.69 min Scan# 709
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	46804		
153	113.1		89.8	134.6
152	51.6		43.4	65.0





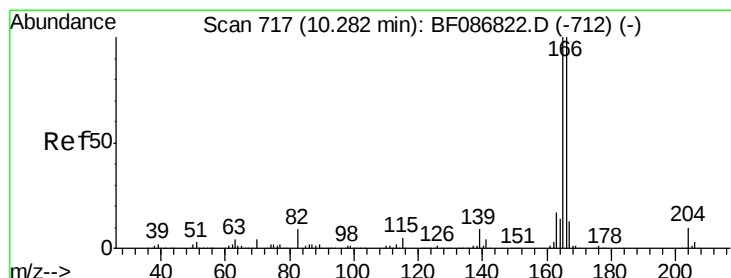
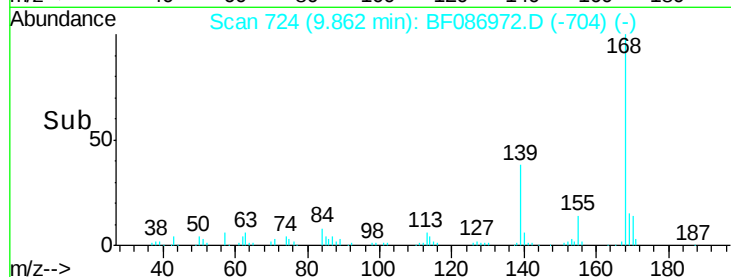
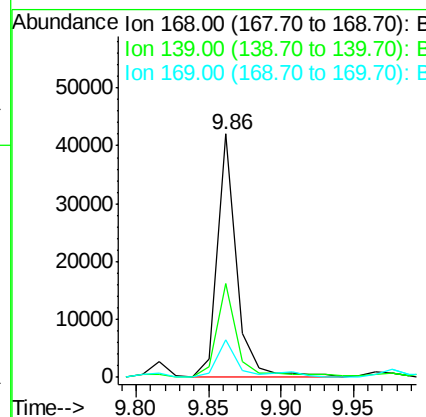
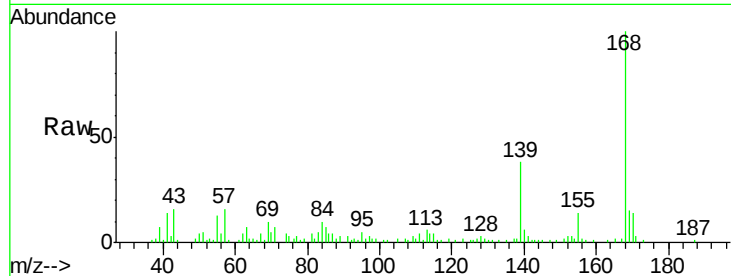
#54
Dibenzenofuran
Concen: 2.24 ng
RT: 9.86 min Scan# 724
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Instrument :
BNA_F
ClientSampleId :
E-15(8.5-9)DL

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	38858		
139	38.5	31.4	47.0	
169	15.4	10.7	16.1	

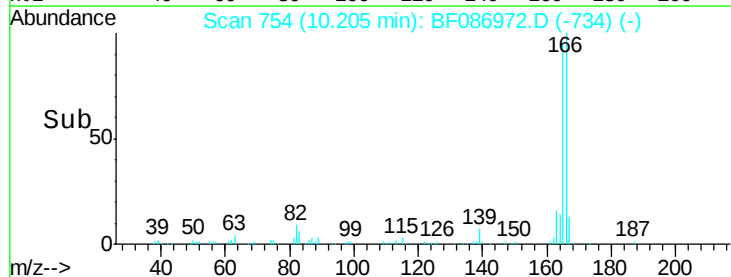
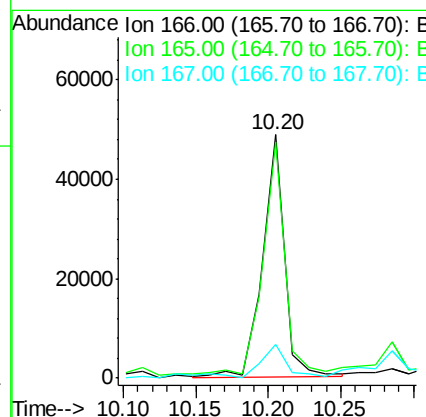
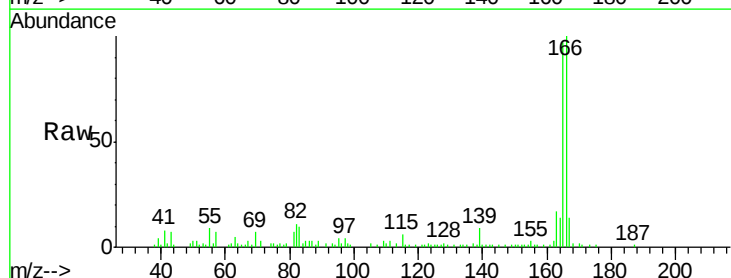
Manual Integrations
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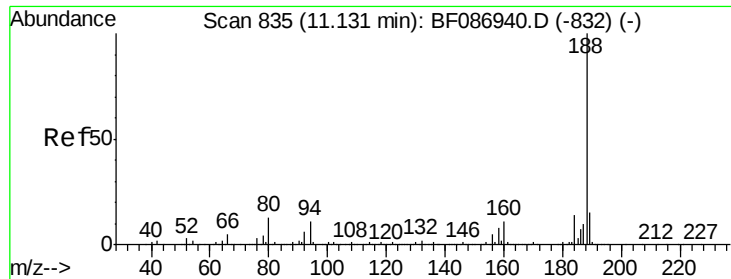
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#57
Fluorene
Concen: 3.45 ng
RT: 10.20 min Scan# 754
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	50964		
165	96.9	79.0	118.6	
167	14.1	10.6	15.8	





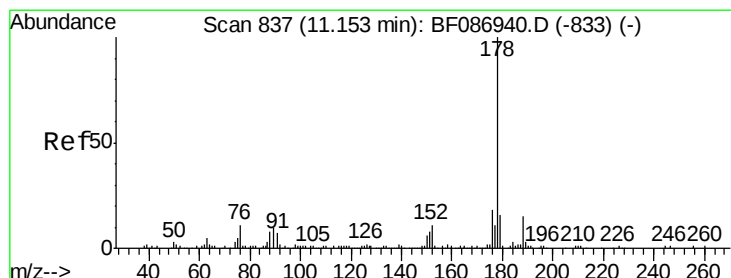
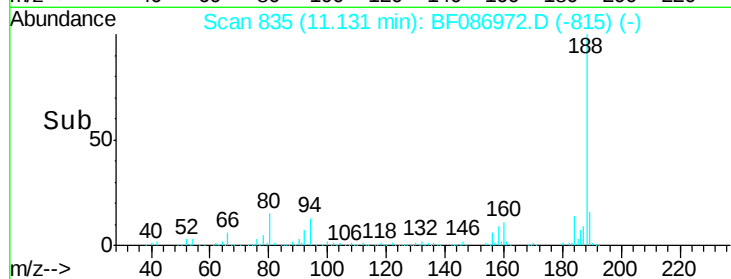
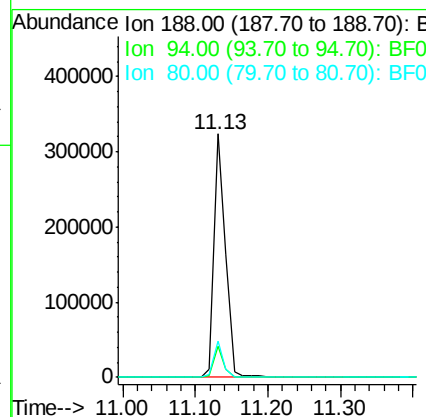
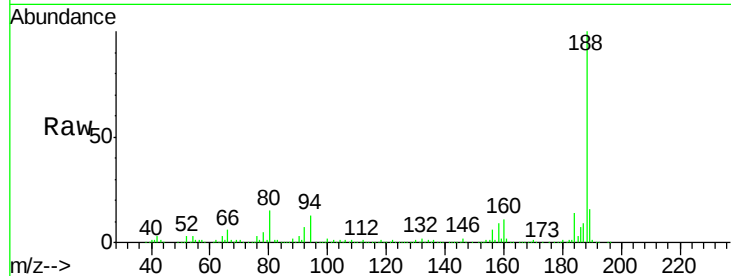
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Instrument :
BNA_F
ClientSampleId :
E-15(8.5-9)DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	12.8	6.8	10.2#
80	14.9	7.1	10.7#

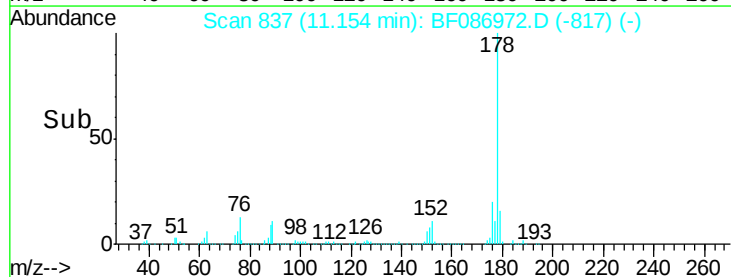
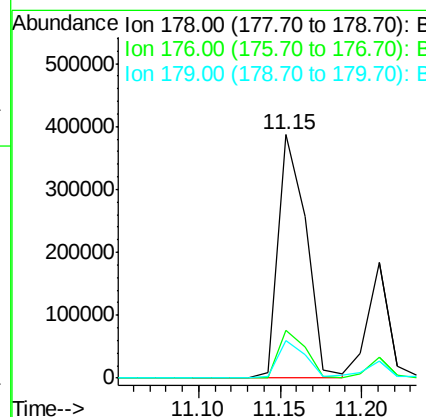
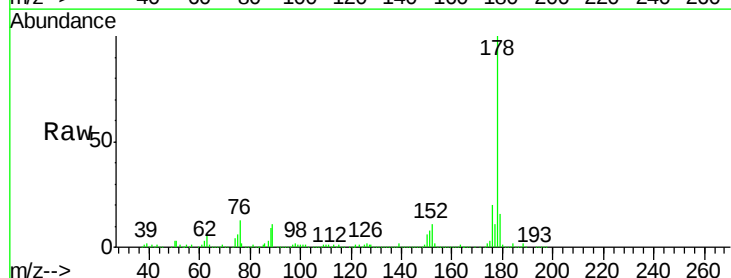
Manual Integrations
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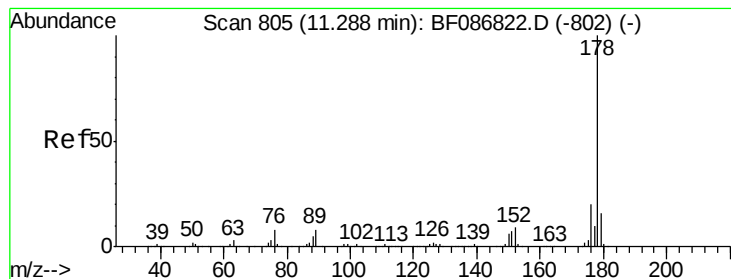
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#70
Phenanthrene
Concen: 24.29 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	16.0	24.0
179	15.7	12.6	18.8





#71

Anthracene

Concen: 9.18 ng

RT: 11.21 min Scan# 842

Delta R.T. -0.08 min

Lab File: BF086972.D

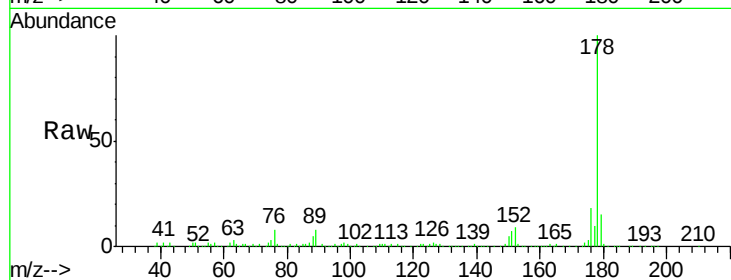
Acq: 13 May 2016 13:33

Instrument :

BNA_F

ClientSampleId :

E-15(8.5-9)DL



Tgt Ion:178 Resp: 178234

Ion Ratio Lower Upper

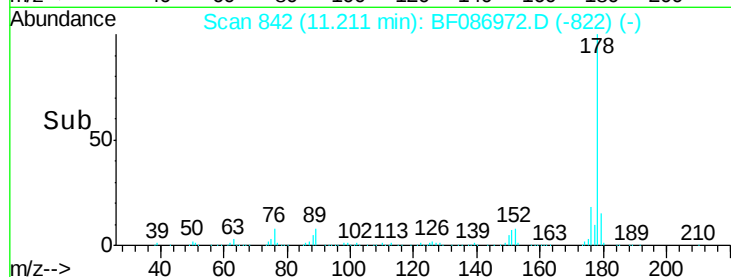
178 100

176 18.2 15.6 23.4

179 15.1 12.7 19.1

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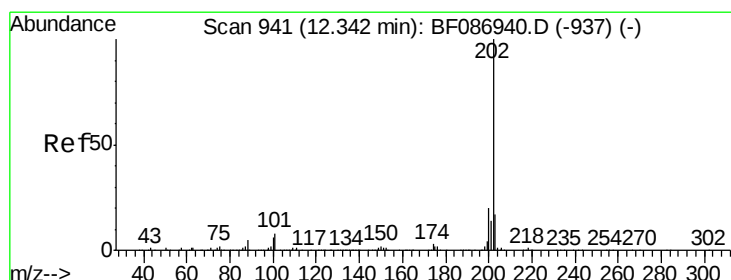
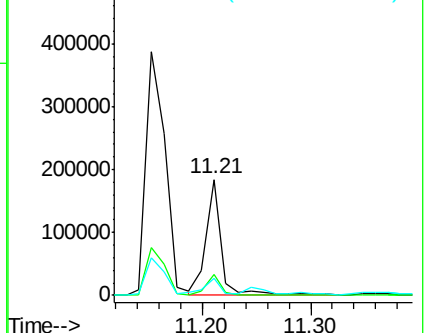
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 40.38 ng

RT: 12.34 min Scan# 941

Delta R.T. -0.08 min

Lab File: BF086972.D

Acq: 13 May 2016 13:33

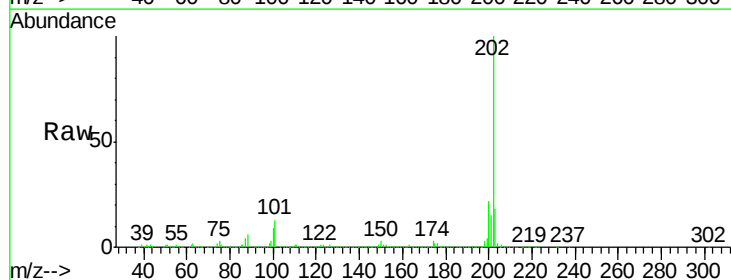
Tgt Ion:202 Resp: 788737

Ion Ratio Lower Upper

202 100

101 12.5 0.0 35.4

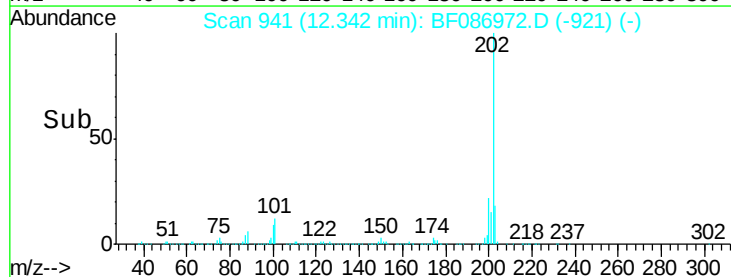
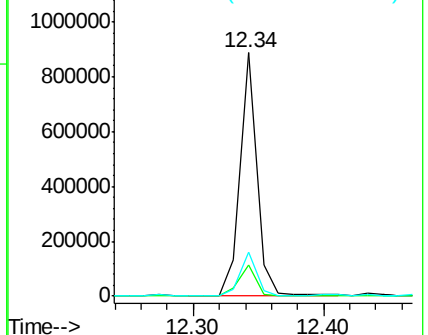
203 17.9 0.0 38.1

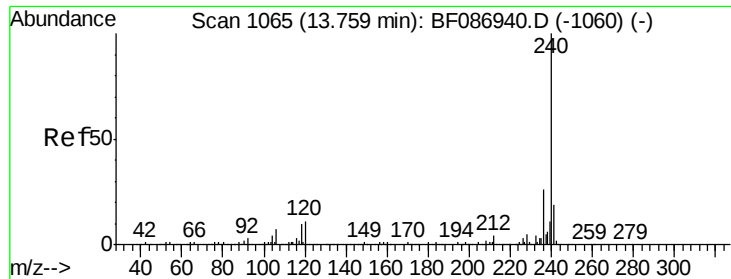


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.08 min

Lab File: BF086972.D

Acq: 13 May 2016 13:33

Instrument :

BNA_F

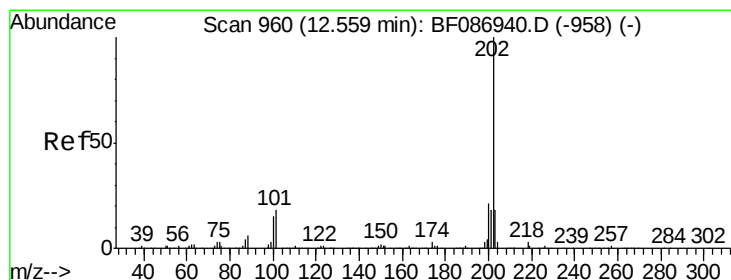
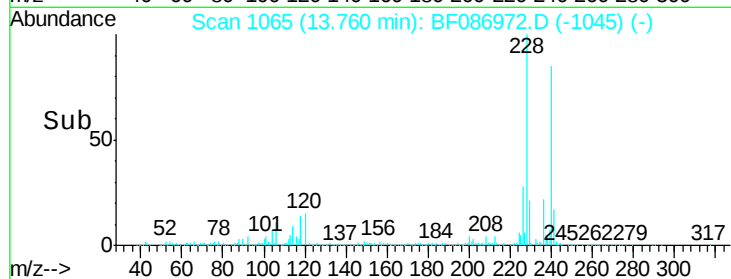
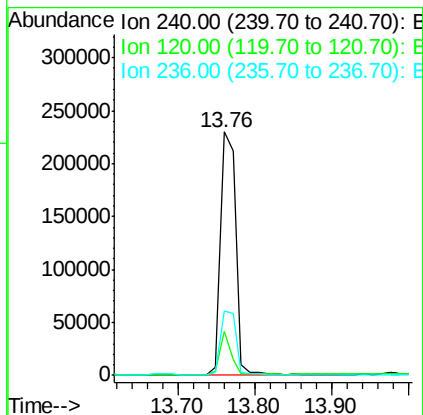
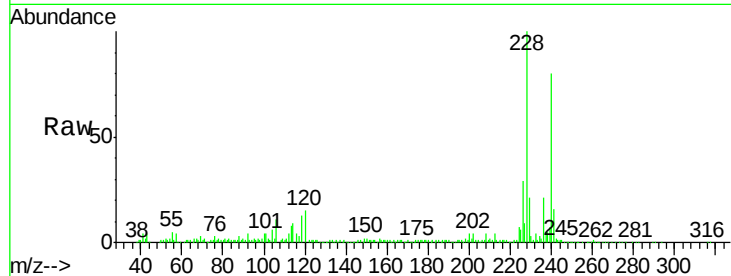
ClientSampleId :

E-15(8.5-9)DL

Tgt Ion:	240	Resp:	320487
Ion Ratio	Lower	Upper	
240	100		
120	18.2	11.2	16.8#
236	26.4	21.2	31.8

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#77

Pyrene

Concen: 33.13 ng

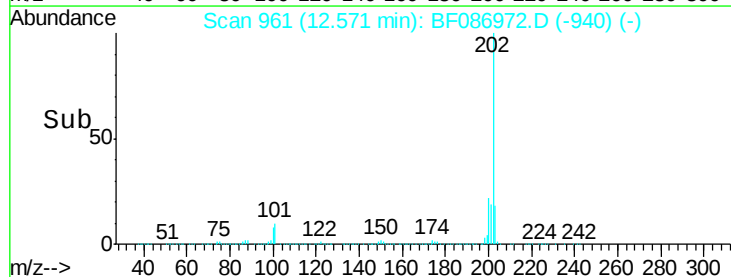
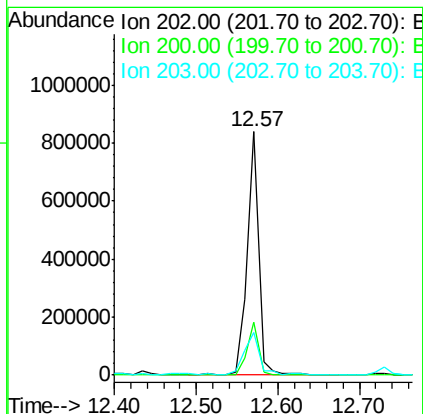
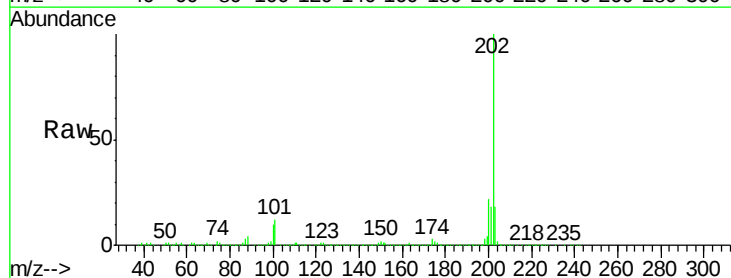
RT: 12.57 min Scan# 961

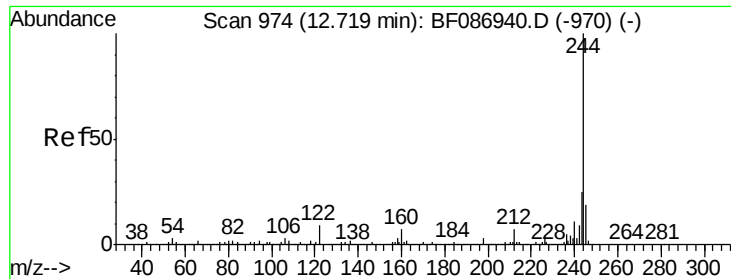
Delta R.T. -0.07 min

Lab File: BF086972.D

Acq: 13 May 2016 13:33

Tgt Ion:	202	Resp:	812794
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.7	26.5
203	17.6	14.2	21.4





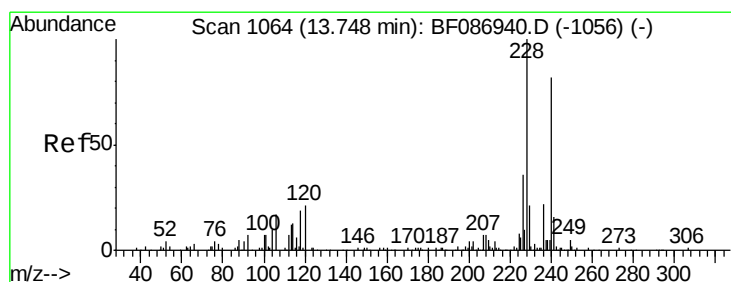
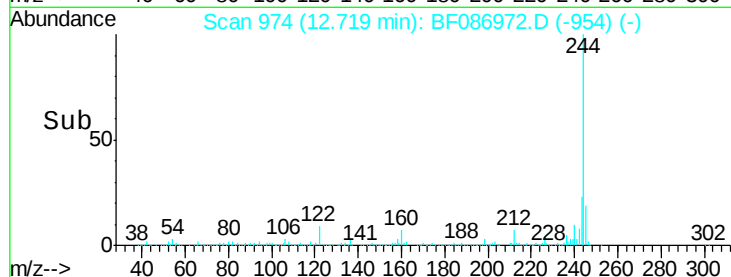
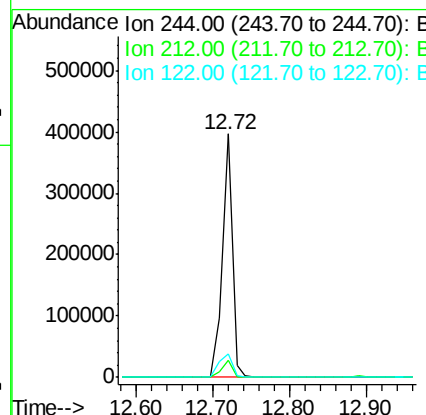
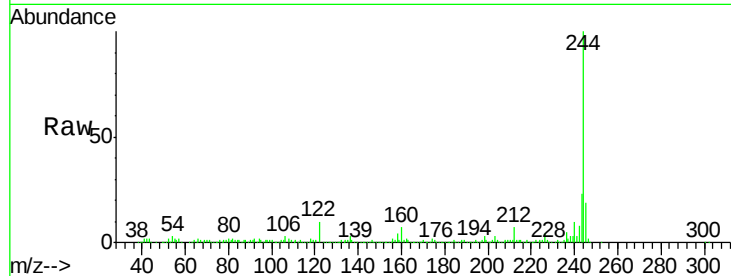
#78
 Terphenyl-d14
 Concen: 23.76 ng
 RT: 12.72 min Scan# 974
 Delta R.T. -0.08 min
 Lab File: BF086972.D
 Acq: 13 May 2016 13:33

Instrument :
 BNA_F
 ClientSampled :
 E-15(8.5-9)DL

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	358883		
212	7.2	6.2	9.2	
122	9.5	12.0	18.0	

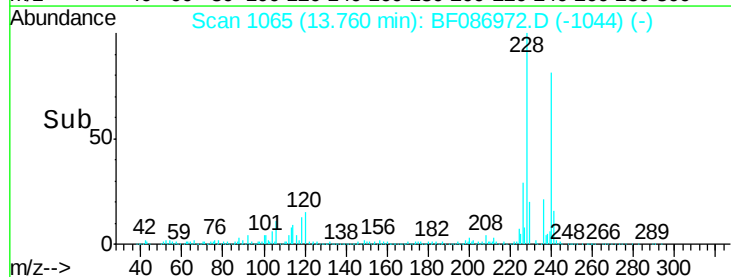
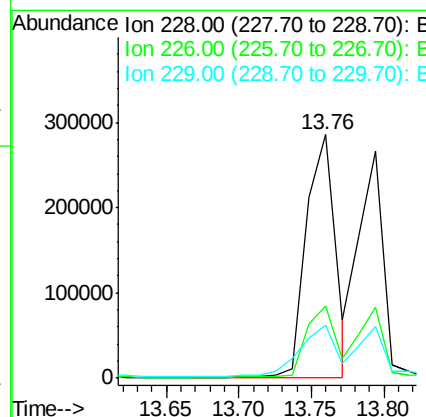
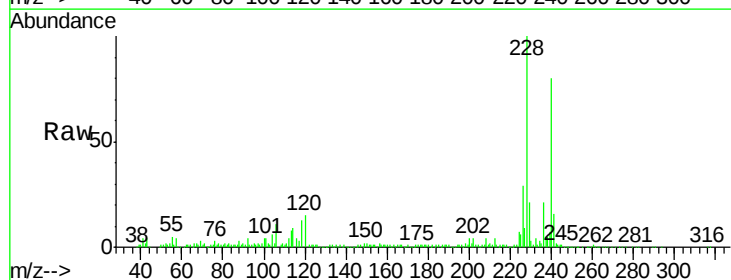
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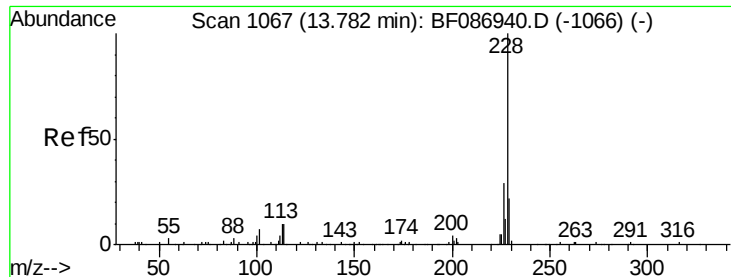
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#80
 Benzo(a)anthracene
 Concen: 22.01 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. -0.07 min
 Lab File: BF086972.D
 Acq: 13 May 2016 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	395944		
226	29.4	22.5	33.7	
229	21.5	16.6	25.0	





#82

Chrysene

Concen: 17.20 ng m

RT: 13.79 min Scan# 1068

Delta R.T. -0.07 min

Lab File: BF086972.D

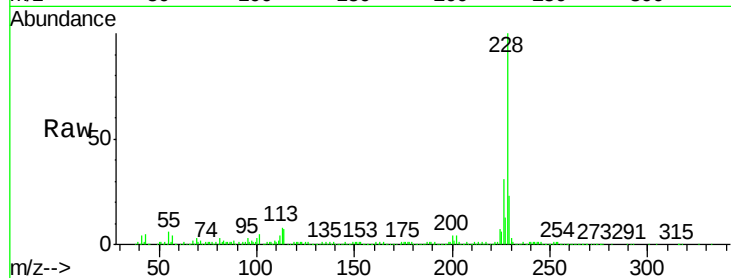
Acq: 13 May 2016 13:33

Instrument :

BNA_F

ClientSampleId :

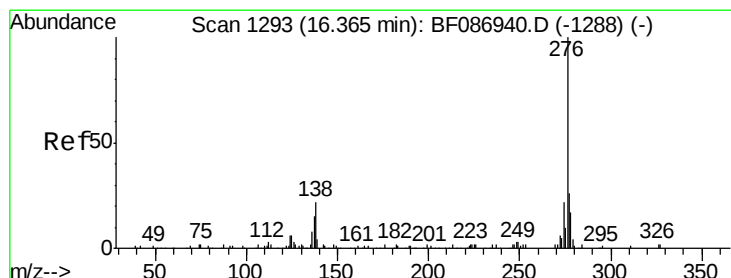
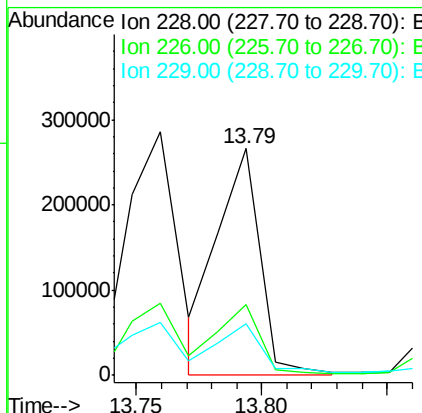
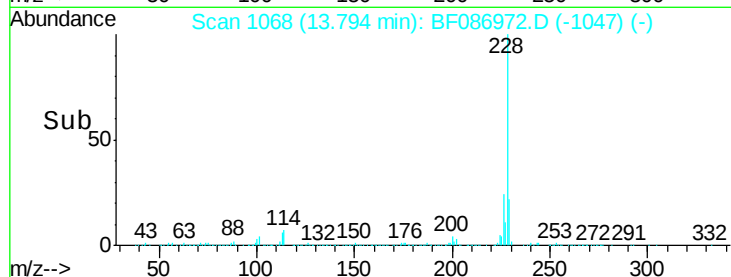
E-15(8.5-9)DL



Tgt Ion:	228	Resp:	314719
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.4	36.6
229	22.9	15.8	23.8

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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.66 ng

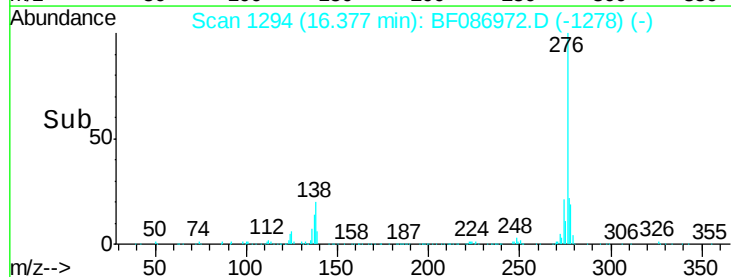
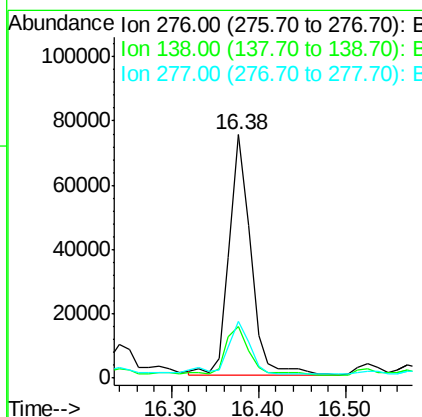
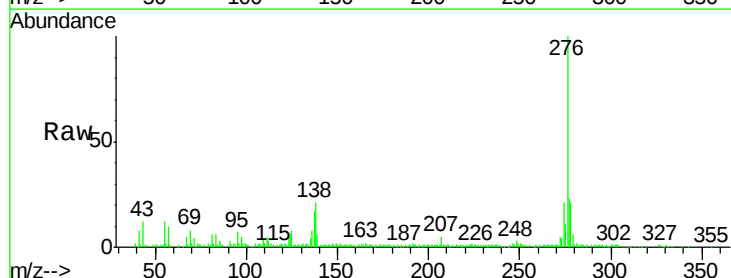
RT: 16.38 min Scan# 1294

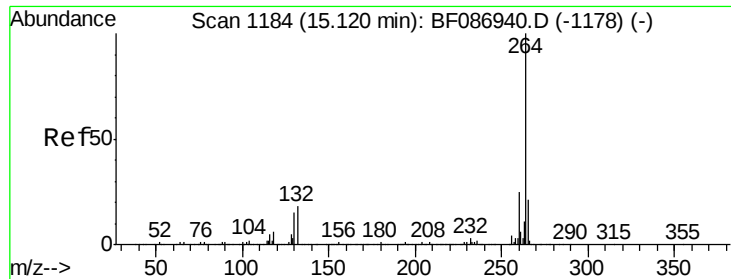
Delta R.T. -0.12 min

Lab File: BF086972.D

Acq: 13 May 2016 13:33

Tgt Ion:	276	Resp:	131822
Ion Ratio	Lower	Upper	
276	100		
138	19.2	25.6	38.4#
277	24.0	20.5	30.7





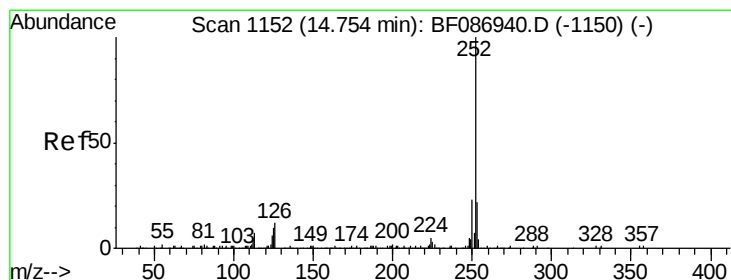
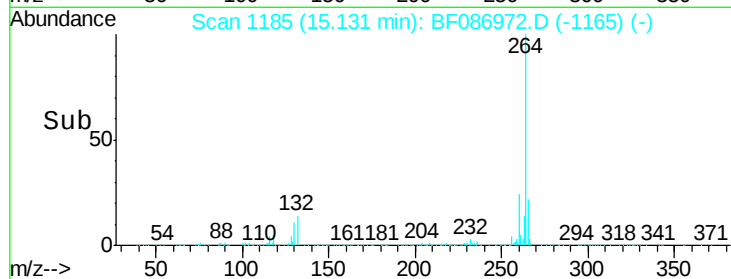
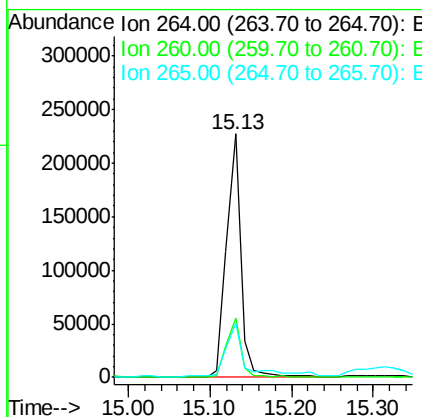
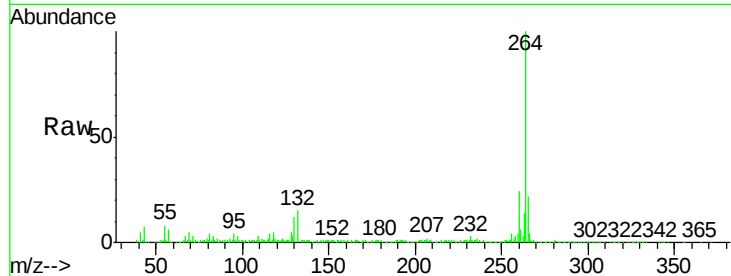
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.13 min Scan# 1185
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Instrument :
BNA_F
ClientSampleId :
E-15(8.5-9)DL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	275381		
260	24.2	19.5	29.3	
265	22.5	17.3	25.9	

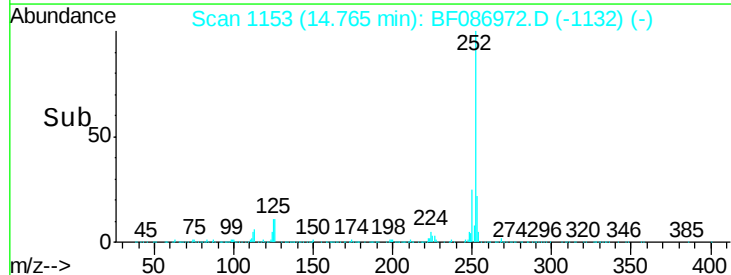
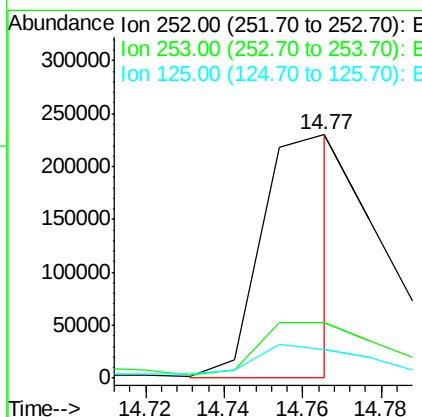
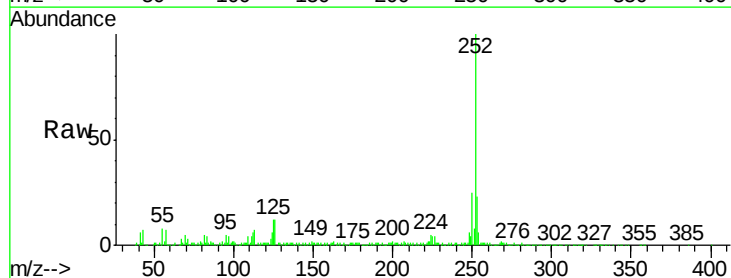
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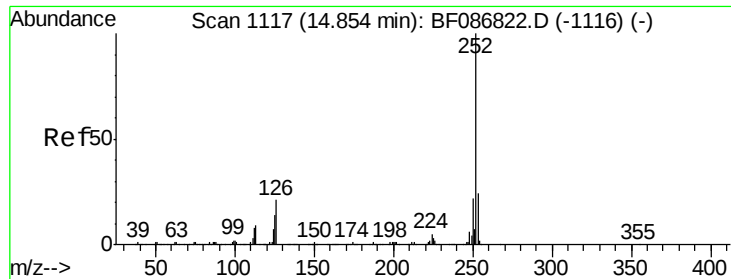
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#87
Benzo(b)fluoranthene
Concen: 17.84 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	319369		
253	22.7	17.8	26.6	
125	12.0	11.4	17.0	





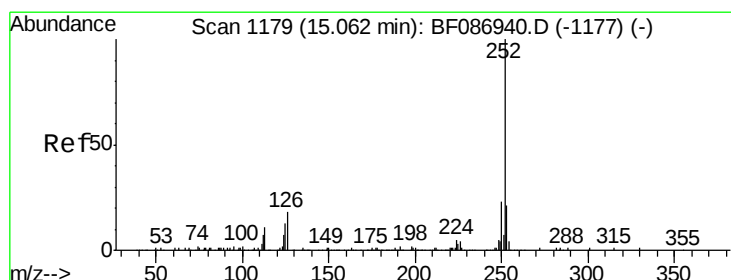
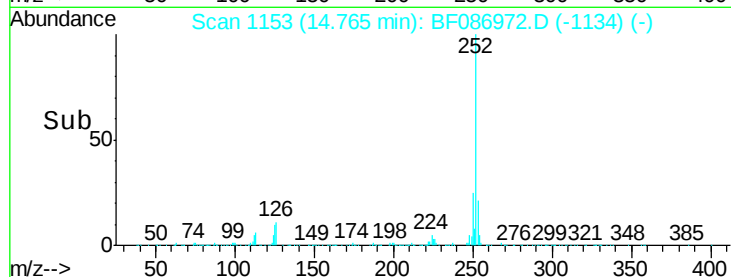
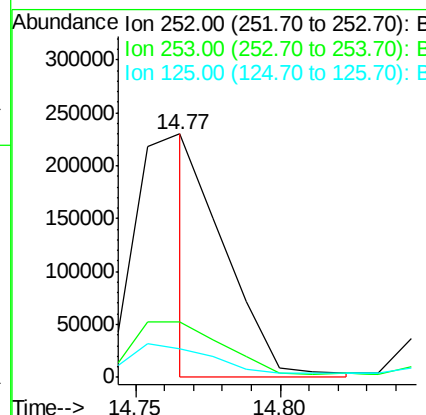
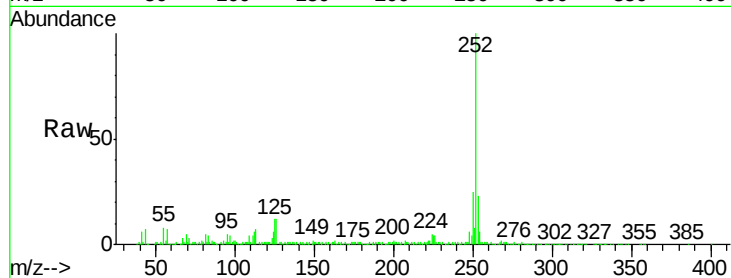
#88
Benzo(k)fluoranthene
Concen: 11.27 ng m
RT: 14.77 min Scan# 1153
Delta R.T. -0.09 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Instrument :
BNA_F
ClientSampleId :
E-15(8.5-9)DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	12.0	9.1	13.7

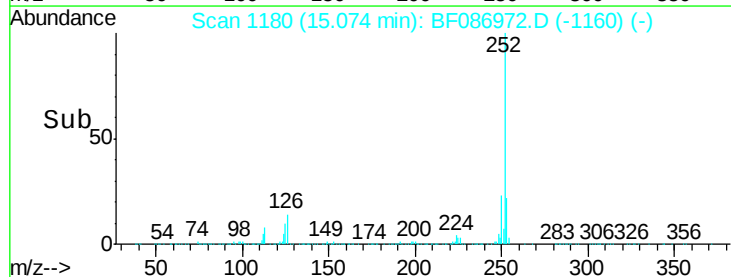
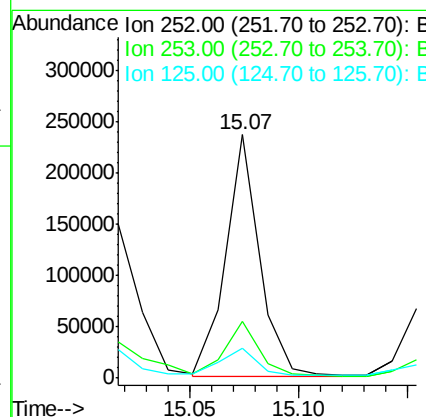
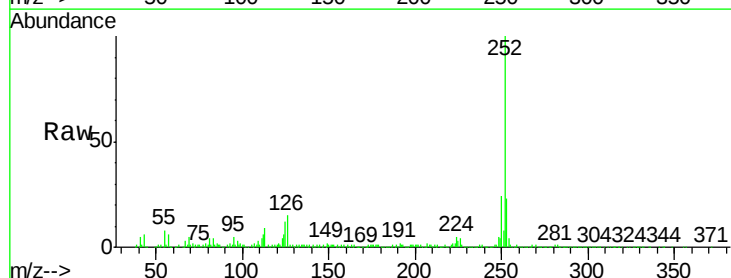
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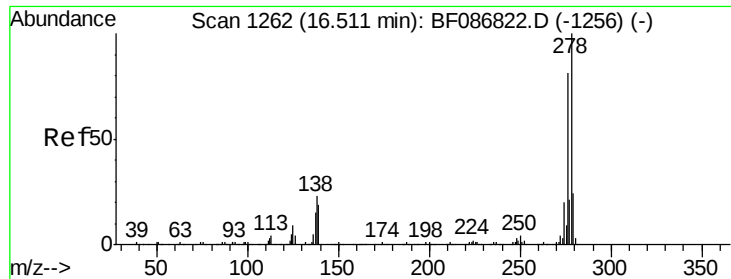
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#89
Benzo(a)pyrene
Concen: 16.66 ng
RT: 15.07 min Scan# 1180
Delta R.T. -0.08 min
Lab File: BF086972.D
Acq: 13 May 2016 13:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	12.1	9.0	13.6





#90

Dibenzo(a,h)anthracene

Concen: 2.25 ng m

RT: 16.38 min Scan# 1294

Delta R.T. -0.13 min

Lab File: BF086972.D

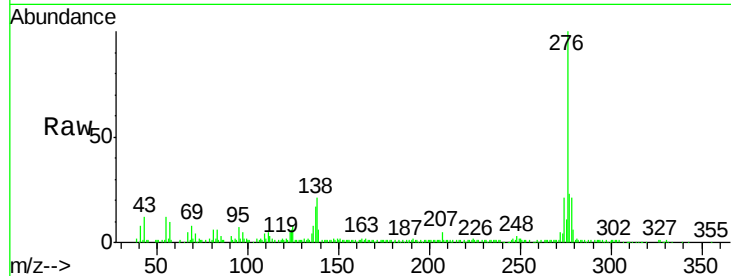
Acq: 13 May 2016 13:33

Instrument :

BNA_F

ClientSampleId :

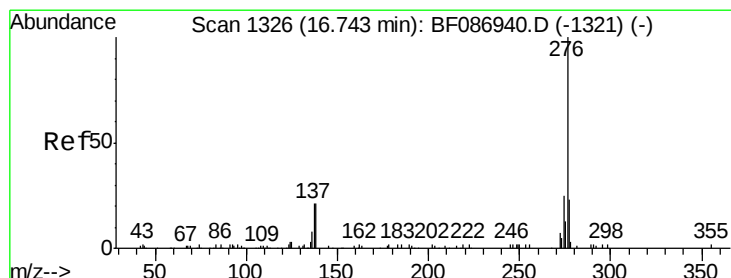
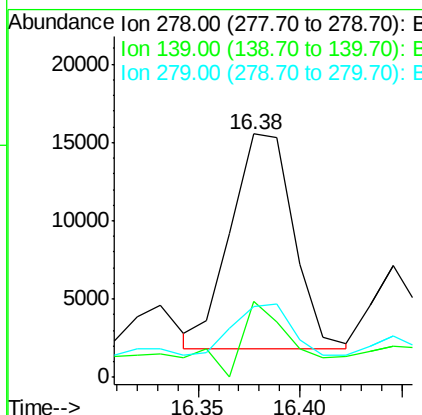
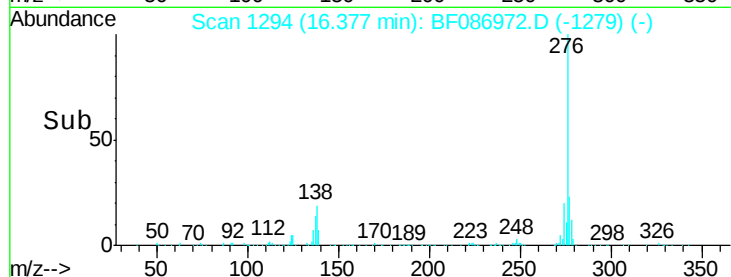
E-15(8.5-9)DL



Tgt Ion:	278	Resp:	29307
Ion Ratio	Lower	Upper	
278	100		
139	30.9	16.6	24.8#
279	29.0	19.6	29.4

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 9.14 ng

RT: 16.75 min Scan# 1327

Delta R.T. -0.13 min

Lab File: BF086972.D

Acq: 13 May 2016 13:33

Tgt Ion:	276	Resp:	120811
Ion Ratio	Lower	Upper	
276	100		
277	23.5	19.6	29.4
138	22.7	23.6	35.4#

