

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
 Data File : BF081553.D
 Acq On : 9 Sep 2015 9:24
 Operator : UM/IZ
 Sample : G3579-01DL 20X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2DL

Manual Integrations
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 9/9/2015 3:00:24 PM

Quant Time: Sep 09 10:40:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 08 15:49:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.34	152	40481	20.00	ng	0.00
21) Naphthalene-d8	7.63	136	147940	20.00	ng	-0.01
38) Acenaphthene-d10	9.37	164	59175	20.00	ng	-0.01
63) Phenanthrene-d10	10.84	188	104788	20.00	ng	0.00
75) Chrysene-d12	13.45	240	89896	20.00	ng	0.00
86) Perylene-d12	14.75	264	61662	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.89	112	17774	6.81	ng	0.01
7) Phenol-d6	6.02	99	25442	7.37	ng	0.00
23) Nitrobenzene-d5	6.92	82	16009	5.22	ng	0.00
41) 2,4,6-Tribromophenol	10.16	330	3184	6.04	ng	0.00
44) 2-Fluorobiphenyl	8.72	172	26516	5.74	ng	0.00
78) Terphenyl-d14	12.42	244	17742	4.59	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.66	128	159136	20.17	ng	98
37) 2-Methylnaphthalene	8.35	142	16292	3.17	ng	# 92
45) 1,1'-Biphenyl	8.81	154	29253	5.37	ng	95
48) Acenaphthylene	9.23	152	19169	2.75	ng	# 94
51) Acenaphthene	9.40	154	120685	30.42	ng	91
57) Fluorene	9.92	166	59998	13.65	ng	98
70) Phenanthrene	10.87	178	294849	50.61	ng	97
71) Anthracene	10.91	178	65901	11.01	ng	98
74) Fluoranthene	12.03	202	117830	18.68	ng	90
77) Pyrene	12.26	202	171383	25.74	ng	99
80) Benzo(a)anthracene	13.44	228	37527m	6.56	ng	
82) Chrysene	13.47	228	33125m	6.45	ng	
85) Indeno(1,2,3-cd)pyrene	15.83	276	11301	3.00	ng	# 87
87) Benzo(b)fluoranthene	14.43	252	24947m	5.67	ng	
88) Benzo(k)fluoranthene	14.45	252	8826m	2.42	ng	
89) Benzo(a)pyrene	14.71	252	29370	7.87	ng	# 87
91) Benzo(g,h,i)perylene	16.15	276	14653	5.33	ng	# 74

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

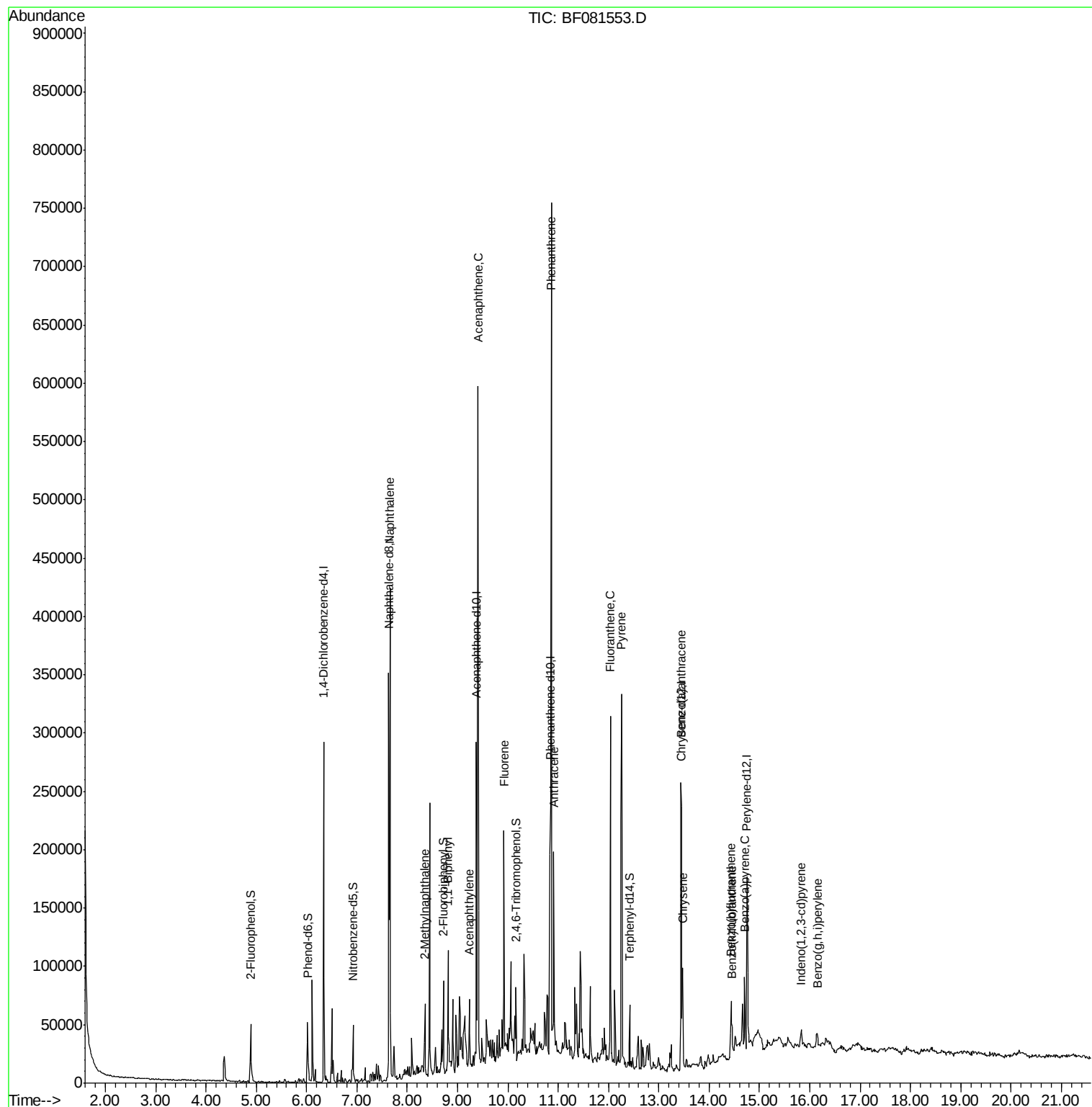
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090815\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.34 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF081553.D

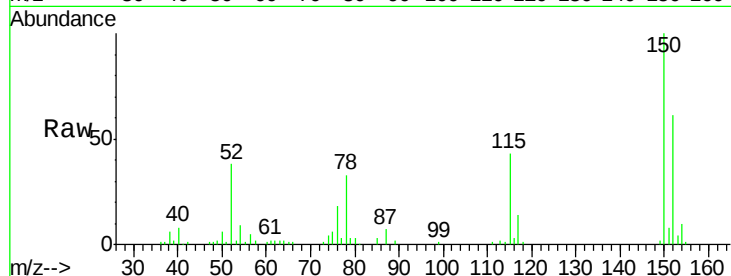
Acq: 9 Sep 2015 9:24

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARKST-ESMI-2DL



Tgt Ion:152 Resp: 40481

Ion Ratio Lower Upper

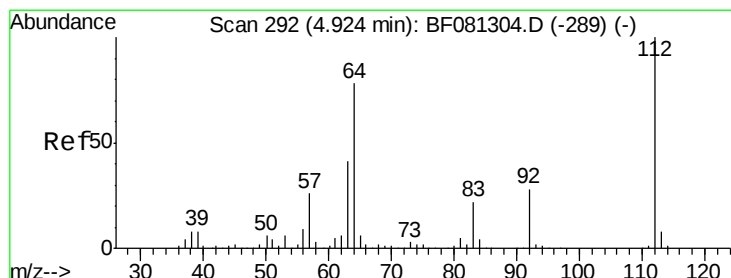
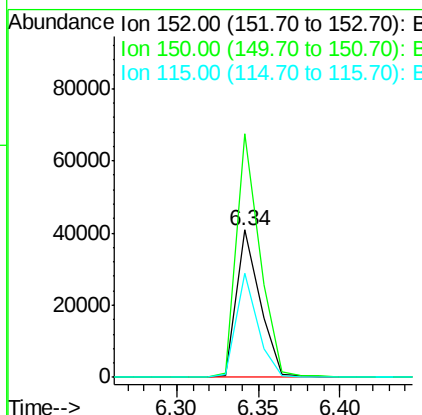
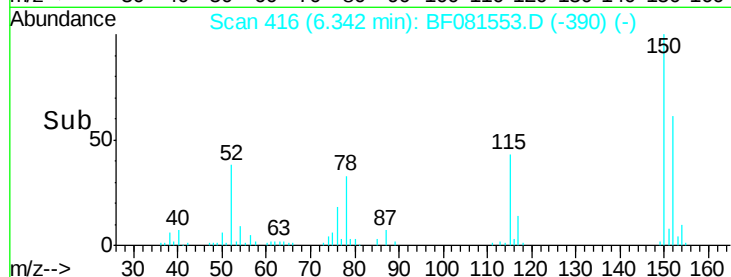
152 100

150 165.1 124.7 187.1

115 70.9 39.0 58.4#

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#5

2-Fluorophenol

Concen: 6.81 ng

RT: 4.89 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF081553.D

Acq: 9 Sep 2015 9:24

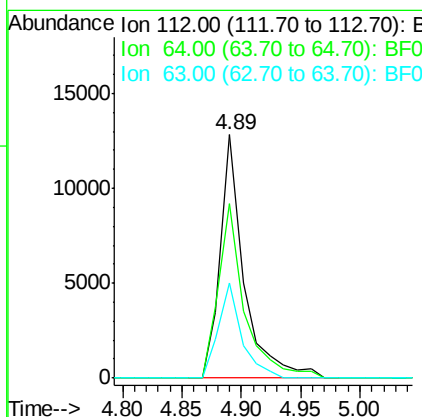
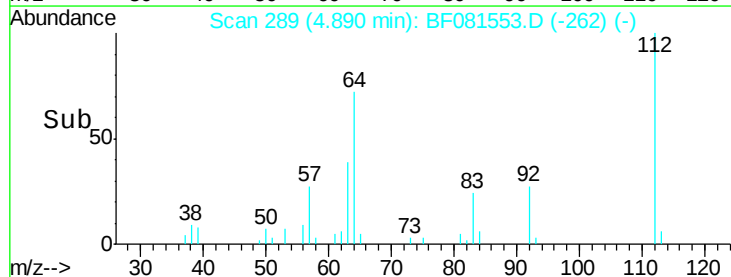
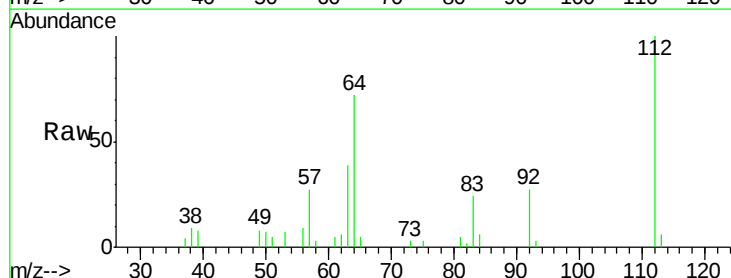
Tgt Ion:112 Resp: 17774

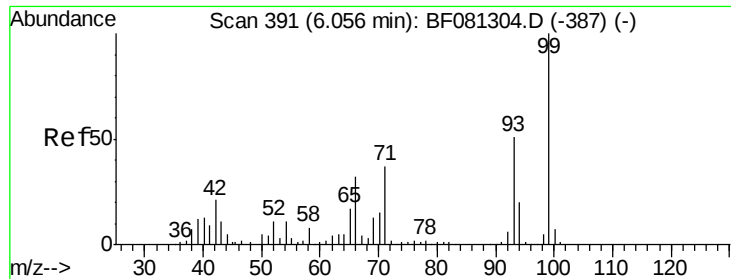
Ion Ratio Lower Upper

112 100

64 71.8 39.7 59.5#

63 39.3 17.4 26.0#





#7

Phenol-d6

Concen: 7.37 ng

RT: 6.02 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF081553.D

Acq: 9 Sep 2015 9:24

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARKST-ESMI-2DL

Tgt Ion: 99 Resp: 25442

Ion Ratio Lower Upper

99 100

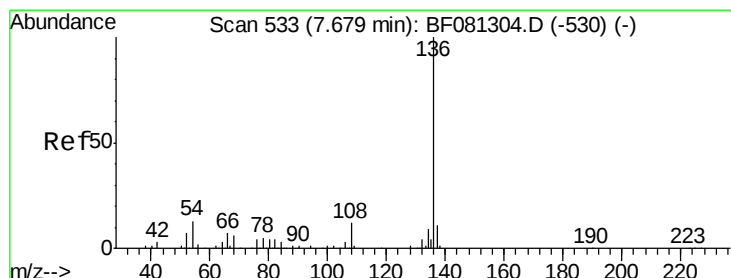
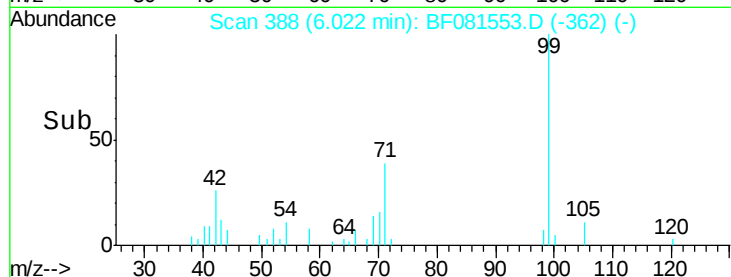
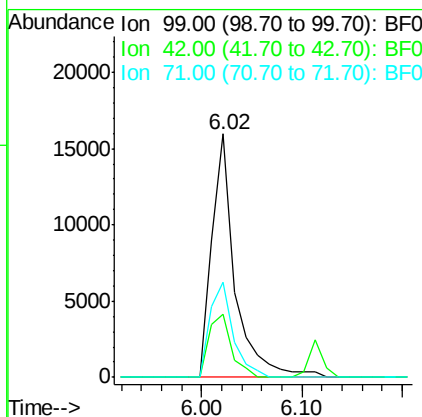
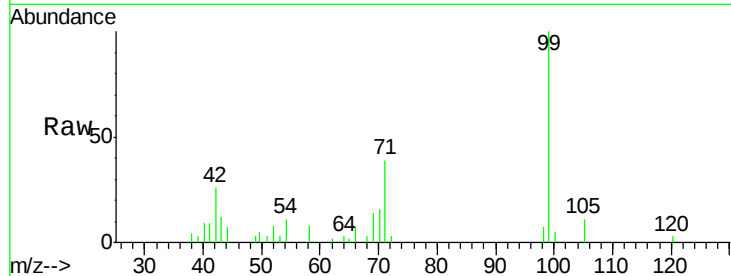
42 26.0 13.7 20.5#

71 39.3 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF081553.D

Acq: 9 Sep 2015 9:24

Tgt Ion: 136 Resp: 147940

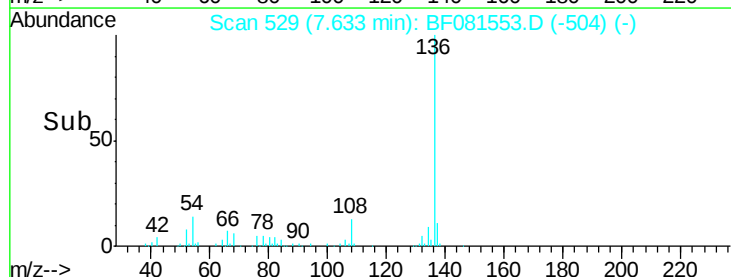
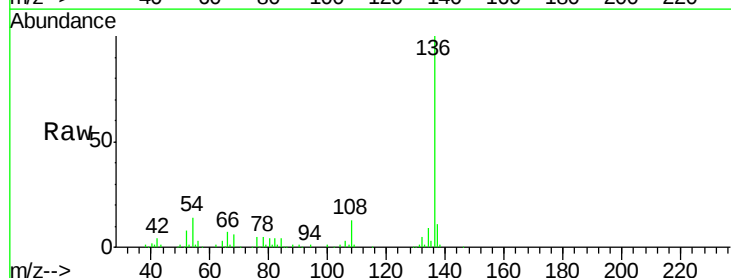
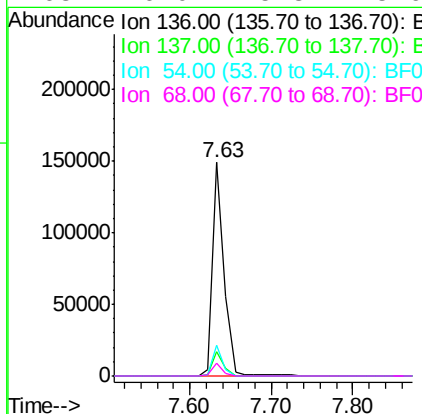
Ion Ratio Lower Upper

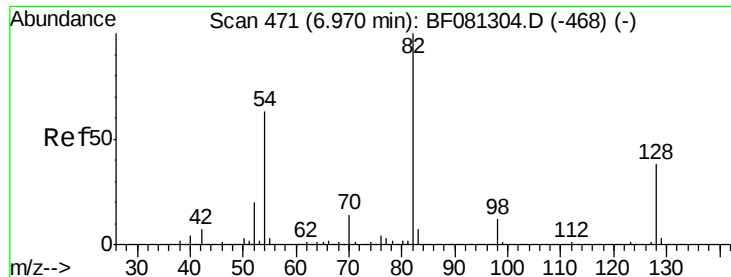
136 100

137 11.2 9.0 13.6

54 14.3 8.2 12.2#

68 6.0 5.8 8.6





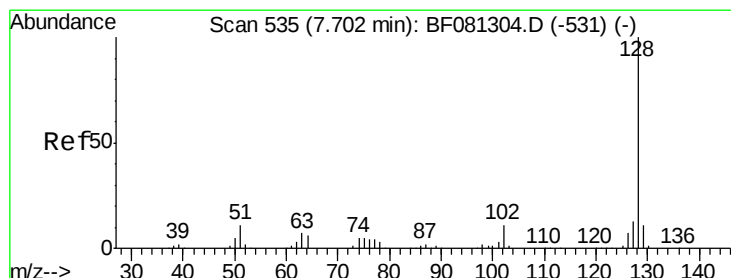
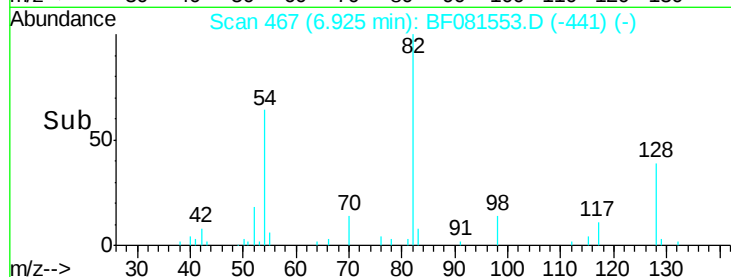
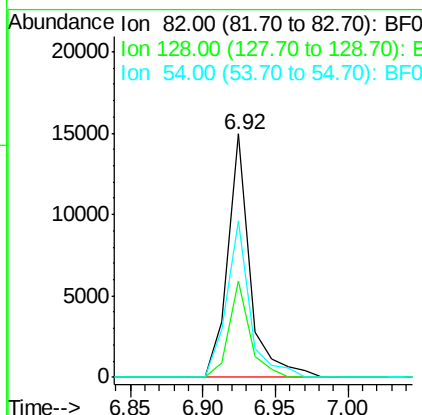
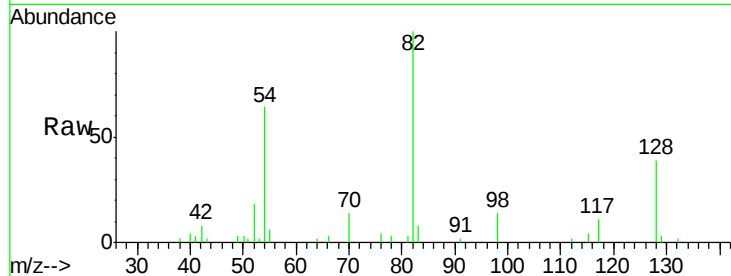
#23
Nitrobenzene-d5
Concen: 5.22 ng
RT: 6.92 min Scan# 467
Delta R.T. 0.00 min
Lab File: BF081553.D
Acq: 9 Sep 2015 9:24

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	16009		
128	39.5	51.0	76.6#	
54	64.2	47.5	71.3	

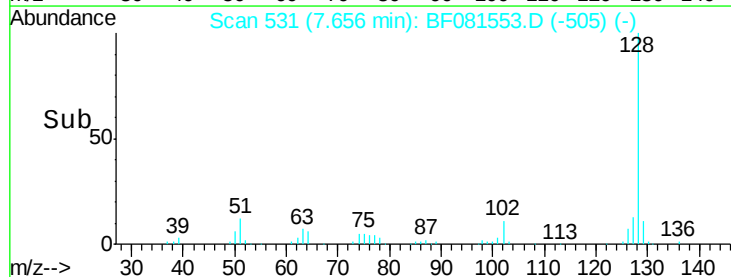
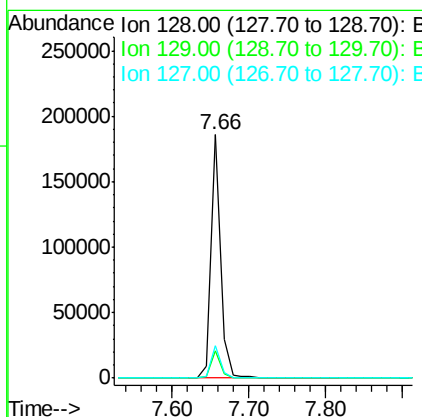
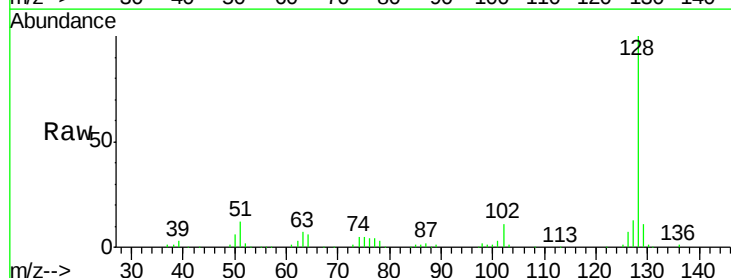
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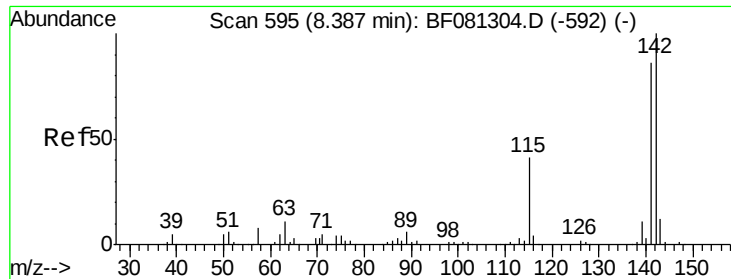
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#31
Naphthalene
Concen: 20.17 ng
RT: 7.66 min Scan# 531
Delta R.T. 0.00 min
Lab File: BF081553.D
Acq: 9 Sep 2015 9:24

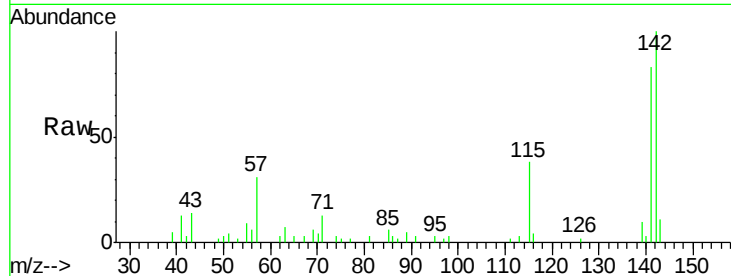
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	159136		
129	11.4	8.4	12.6	
127	13.1	9.9	14.9	





#37
2-Methylnaphthalene
Concen: 3.17 ng
RT: 8.35 min Scan# 592
Delta R.T. 0.00 min
Lab File: BF081553.D
Acq: 9 Sep 2015 9:24

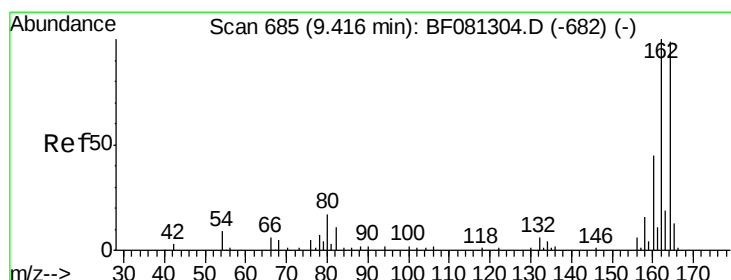
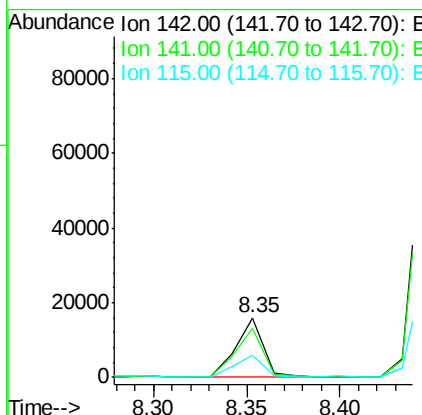
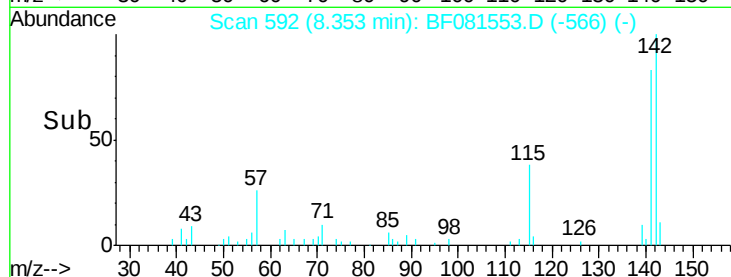
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.9	67.5	101.3
115	37.9	18.2	27.2

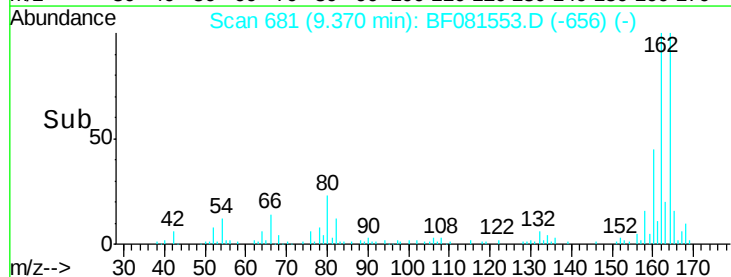
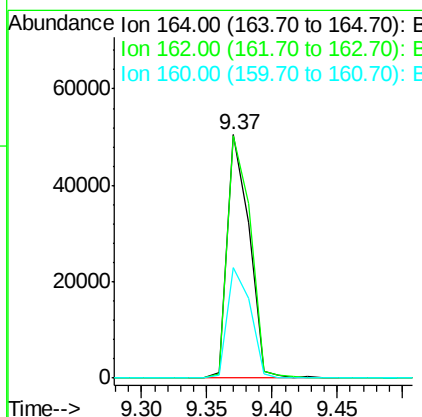
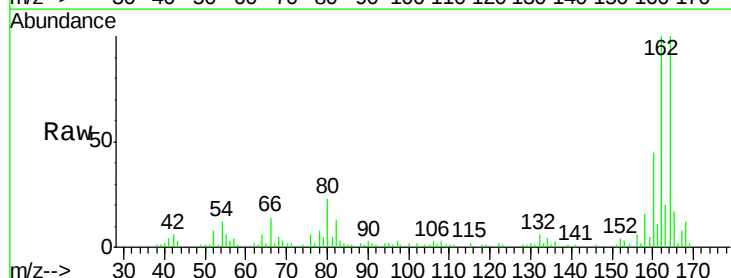
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.37 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF081553.D
Acq: 9 Sep 2015 9:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	75.2	112.8
160	45.4	31.5	47.3





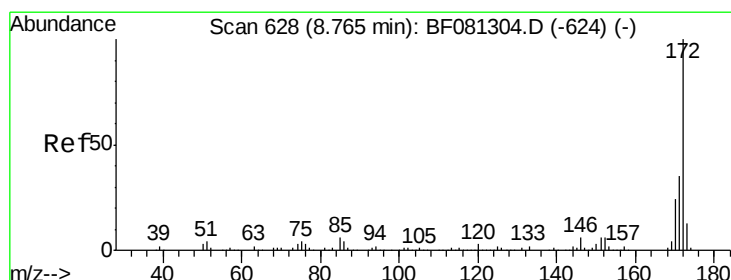
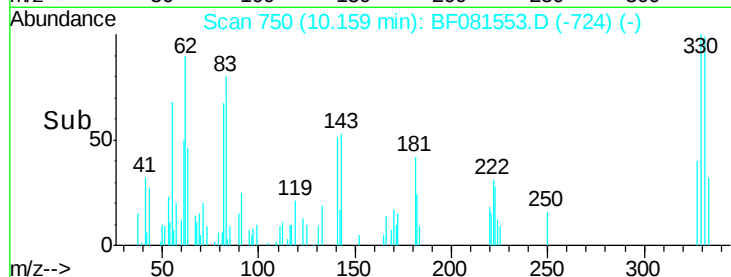
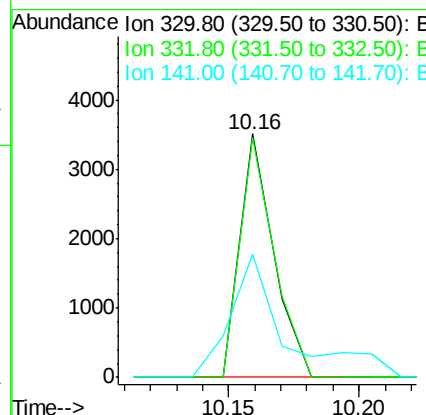
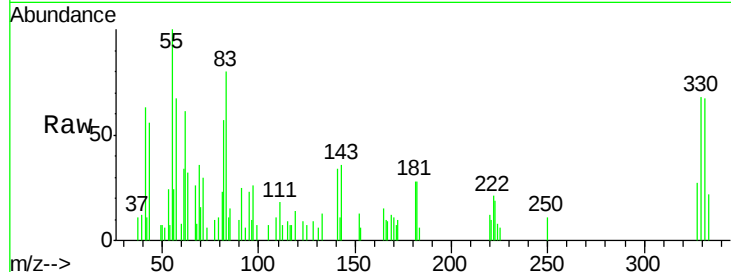
#41
 2,4,6-Tribromophenol
 Concen: 6.04 ng
 RT: 10.16 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF081553.D
 Acq: 9 Sep 2015 9:24

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2DL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	3184		
332	99.7	76.6	114.8	
141	82.3	29.7	44.5#	

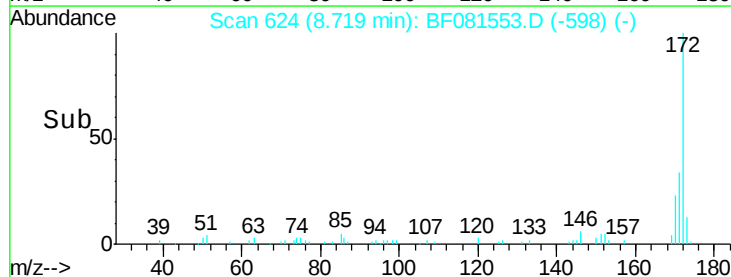
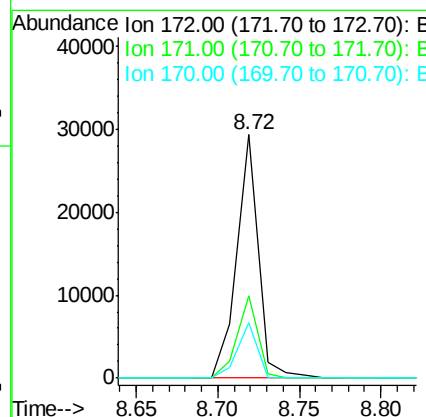
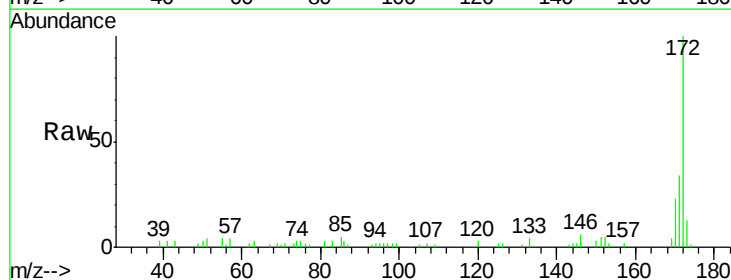
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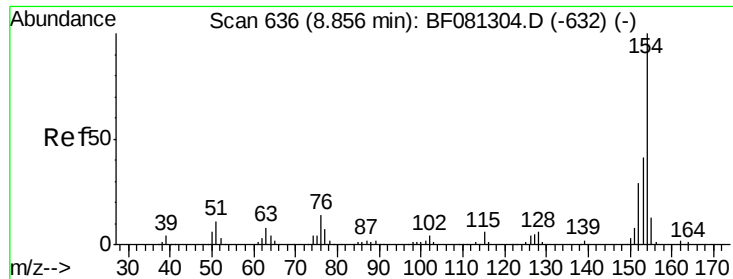
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 9/9/2015 3:00:24 PM



#44
 2-Fluorobiphenyl
 Concen: 5.74 ng
 RT: 8.72 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: BF081553.D
 Acq: 9 Sep 2015 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	26516		
171	33.9	26.1	39.1	
170	23.0	17.4	26.2	





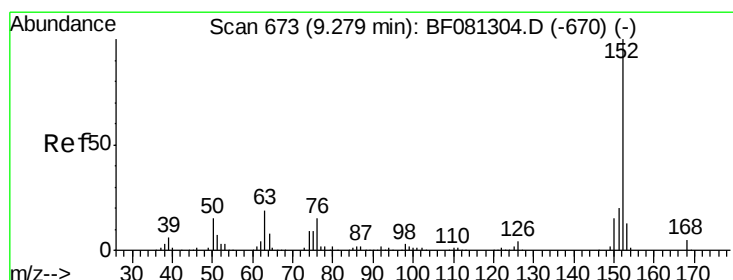
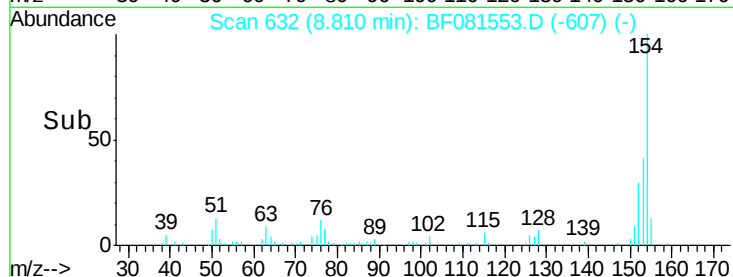
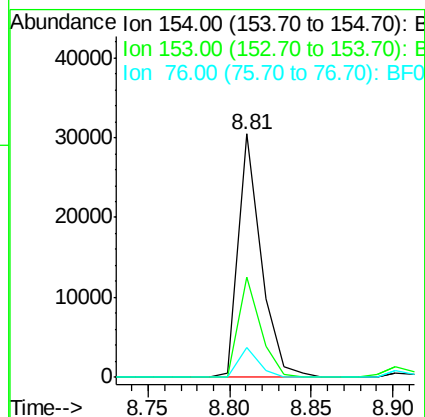
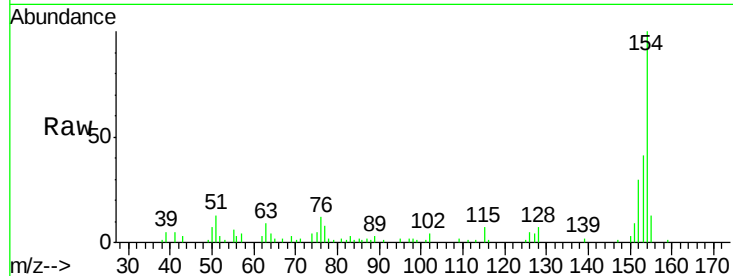
#45
1,1'-Biphenyl
Concen: 5.37 ng
RT: 8.81 min Scan# 632
Delta R.T. -0.01 min
Lab File: BF081553.D
Acq: 9 Sep 2015 9:24

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2DL

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	29253		
153	41.0	17.1	57.1	
76	12.5	0.0	31.6	

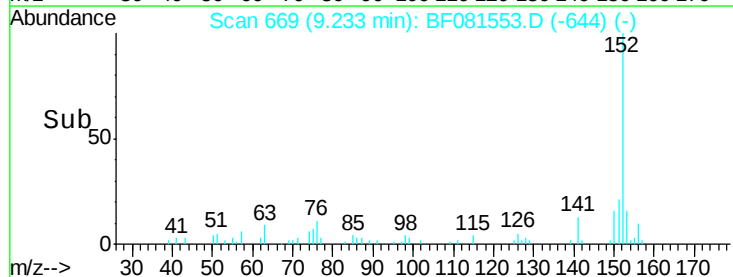
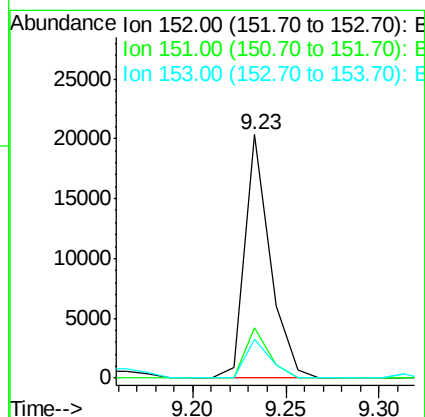
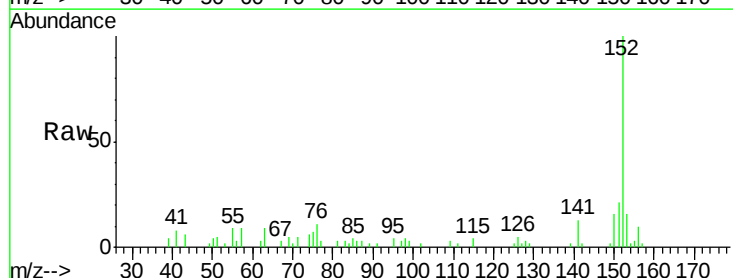
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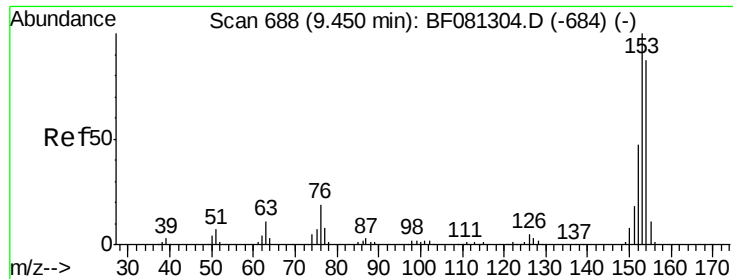
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#48
Acenaphthylene
Concen: 2.75 ng
RT: 9.23 min Scan# 669
Delta R.T. -0.01 min
Lab File: BF081553.D
Acq: 9 Sep 2015 9:24

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	19169		
151	20.7	14.6	22.0	
153	15.8	10.3	15.5#	





#51

Acenaphthene

Concen: 30.42 ng

RT: 9.40 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF081553.D

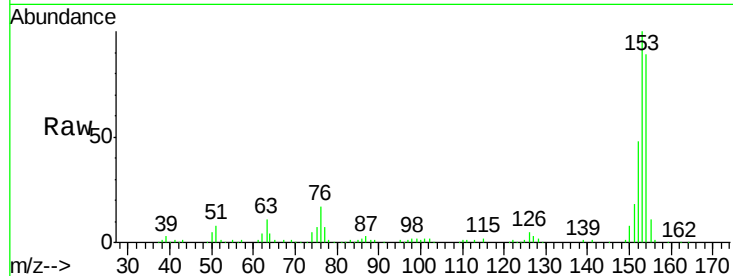
Acq: 9 Sep 2015 9:24

Instrument :

BNA_F

ClientSampleId :

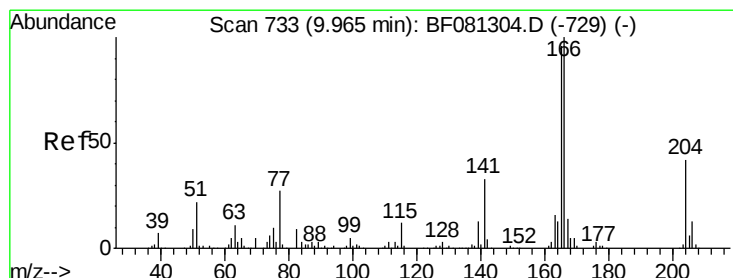
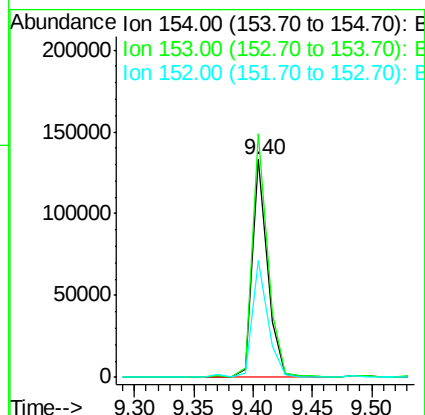
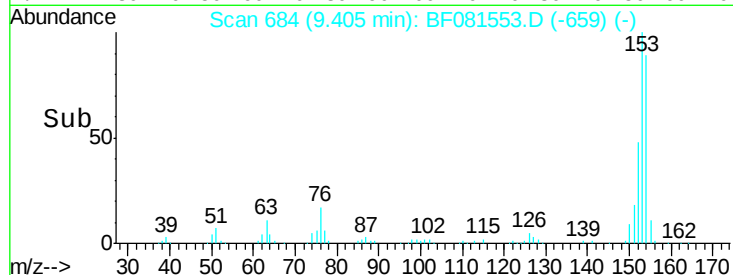
NYSEG-CLARKST-ESMI-2DL



Tgt Ion	Ratio	Resp	Lower	Upper
154	100	120685		
153	112.0	82.1	123.1	
152	53.6	37.9	56.9	

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#57

Fluorene

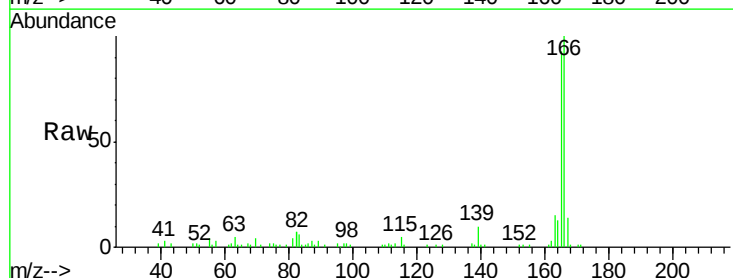
Concen: 13.65 ng

RT: 9.92 min Scan# 729

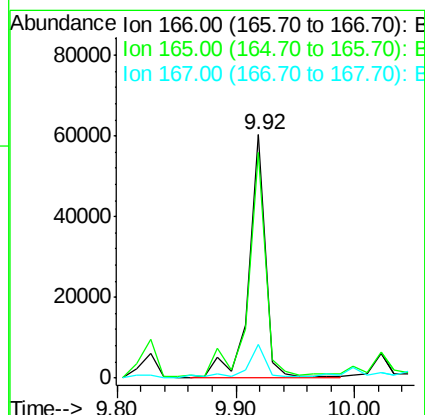
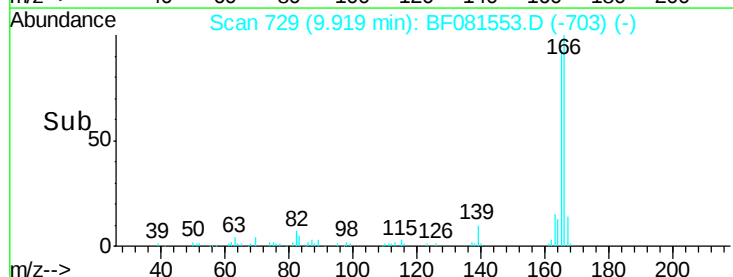
Delta R.T. 0.00 min

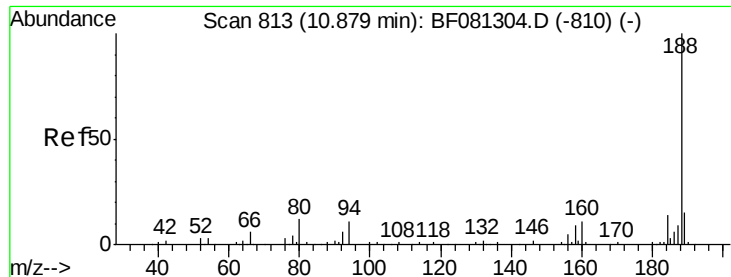
Lab File: BF081553.D

Acq: 9 Sep 2015 9:24



Tgt Ion	Ratio	Resp	Lower	Upper
166	100	59998		
165	92.9	72.6	109.0	
167	13.8	10.6	16.0	





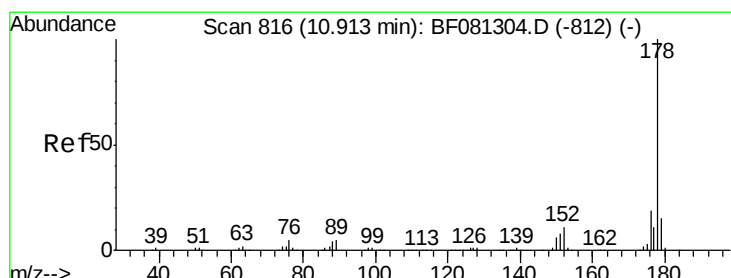
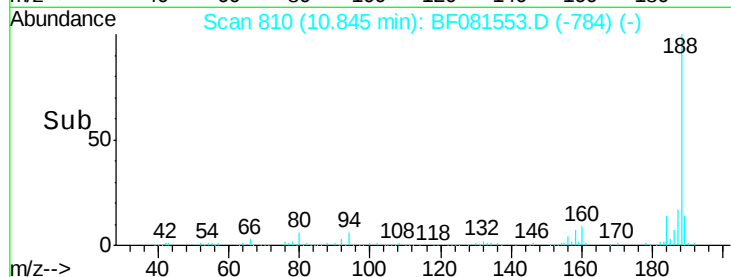
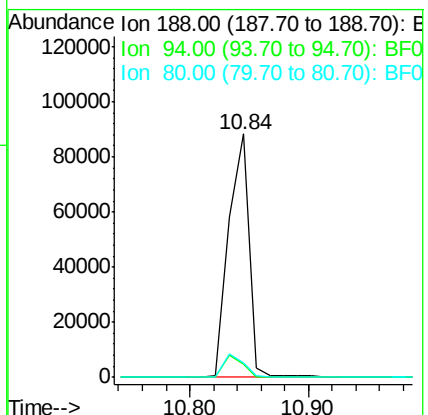
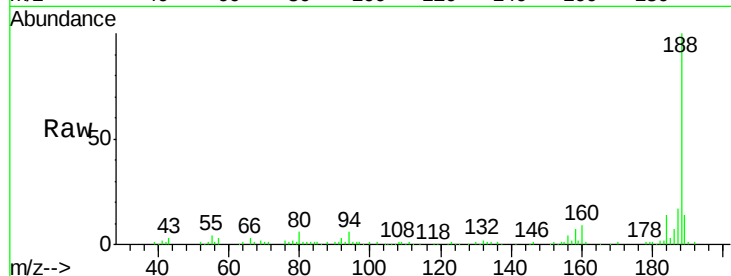
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.84 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF081553.D
Acq: 9 Sep 2015 9:24

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2DL

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	5.6	11.1	16.7#
80	5.8	11.0	16.4#

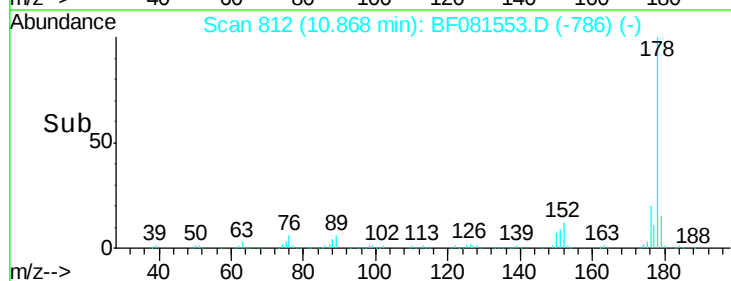
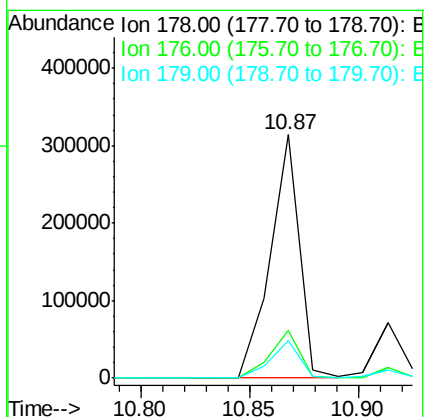
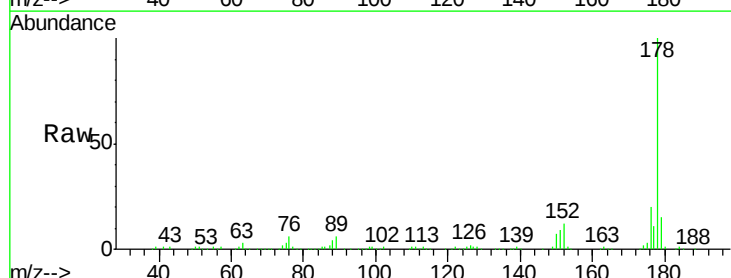
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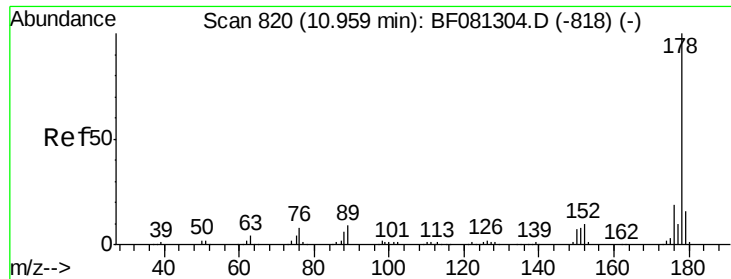
MMDadoda
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#70
Phenanthrene
Concen: 50.61 ng
RT: 10.87 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF081553.D
Acq: 9 Sep 2015 9:24

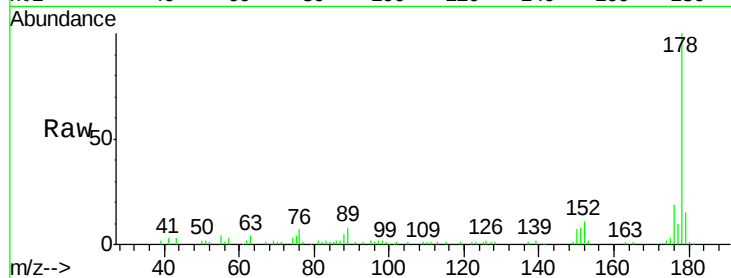
Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	13.8	20.8
179	15.5	12.2	18.2





#71
 Anthracene
 Concen: 11.01 ng
 RT: 10.91 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF081553.D
 Acq: 9 Sep 2015 9:24

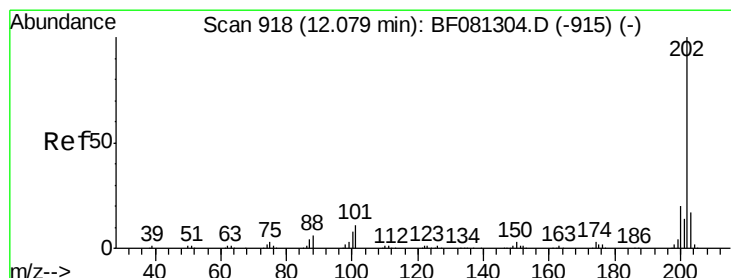
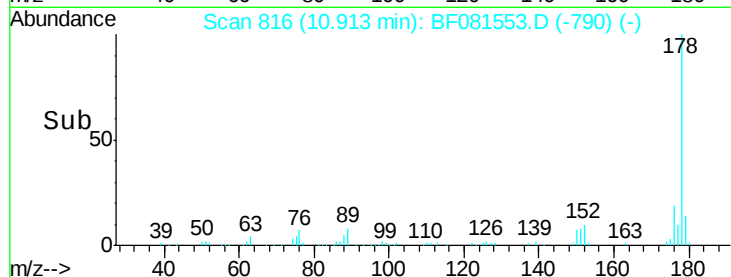
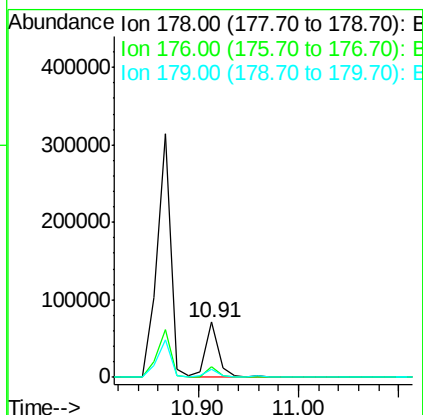
Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2DL



Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.1	21.1
179	14.9	12.2	18.2

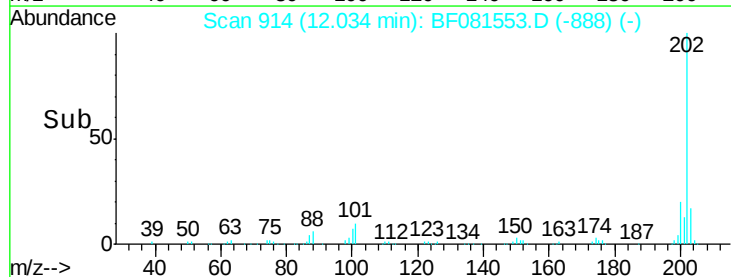
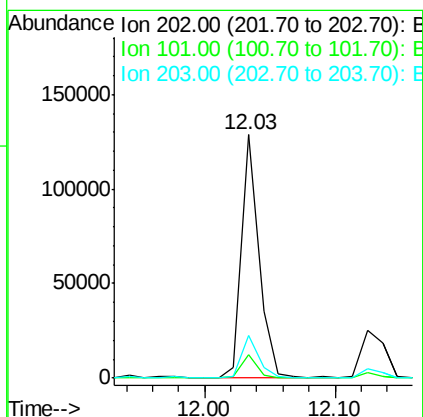
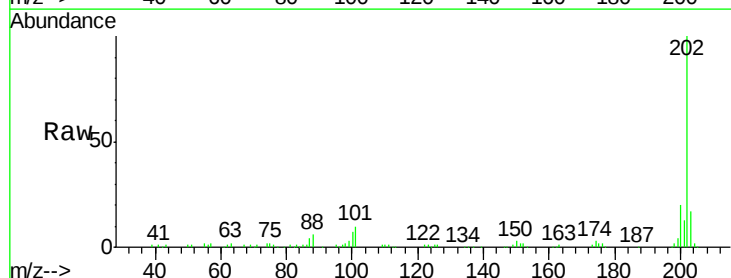
Manual Integrations
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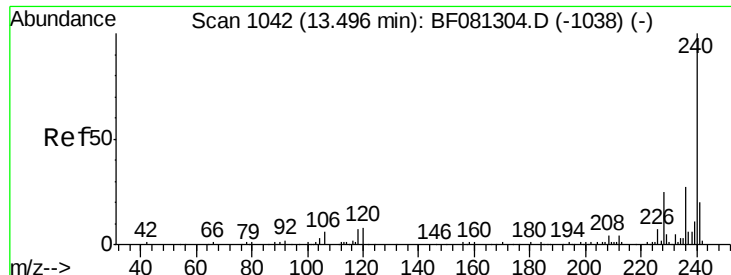
MMDadoda
 9/9/2015 3:00:24 PM



#74
 Fluoranthene
 Concen: 18.68 ng
 RT: 12.03 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BF081553.D
 Acq: 9 Sep 2015 9:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	38.3
203	17.3	0.0	37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.45 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF081553.D

Acq: 9 Sep 2015 9:24

Instrument :

BNA_F

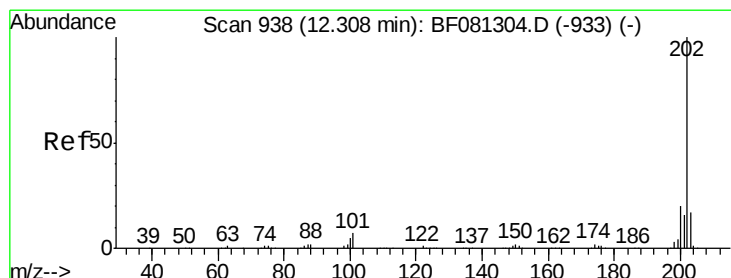
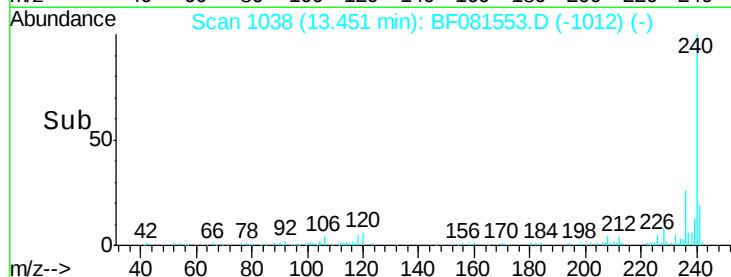
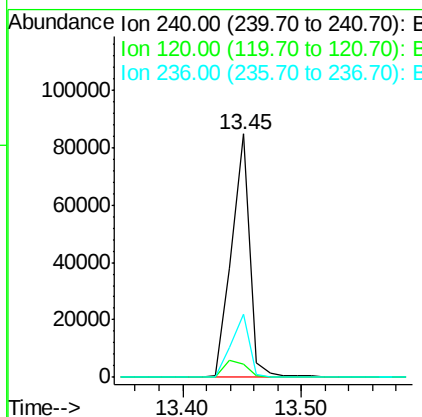
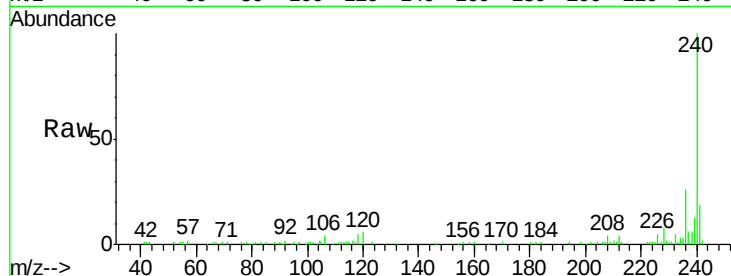
ClientSampleId :

NYSEG-CLARKST-ESMI-2DL

Tgt Ion:	240	Resp:	89896
Ion Ratio	Lower	Upper	
240	100		
120	5.7	16.2	24.2#
236	26.0	18.4	27.6

Manual Integrations
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#77

Pyrene

Concen: 25.74 ng

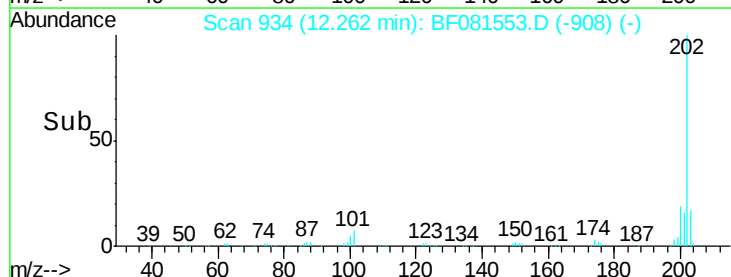
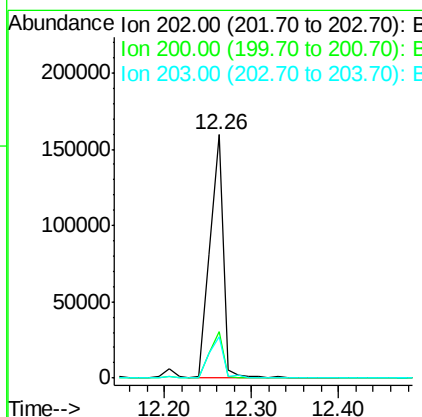
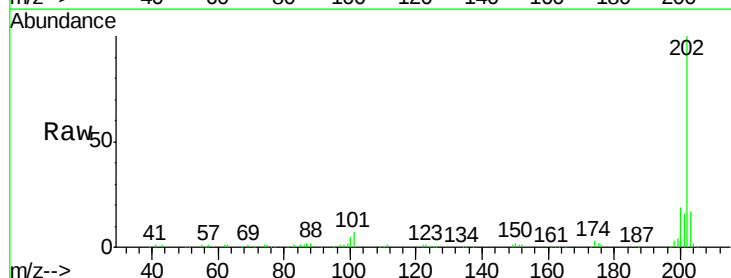
RT: 12.26 min Scan# 934

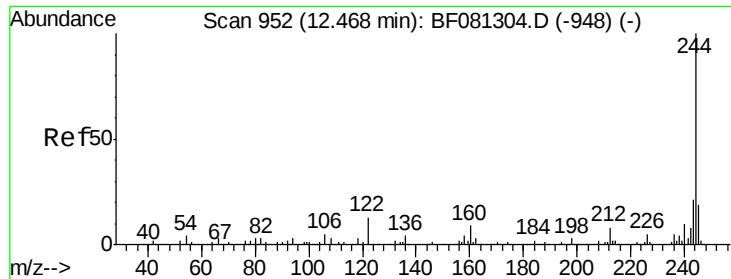
Delta R.T. 0.00 min

Lab File: BF081553.D

Acq: 9 Sep 2015 9:24

Tgt Ion:	202	Resp:	171383
Ion Ratio	Lower	Upper	
202	100		
200	19.1	15.0	22.4
203	16.8	14.1	21.1





#78

Terphenyl-d14

Concen: 4.59 ng

RT: 12.42 min Scan# 948

Delta R.T. 0.00 min

Lab File: BF081553.D

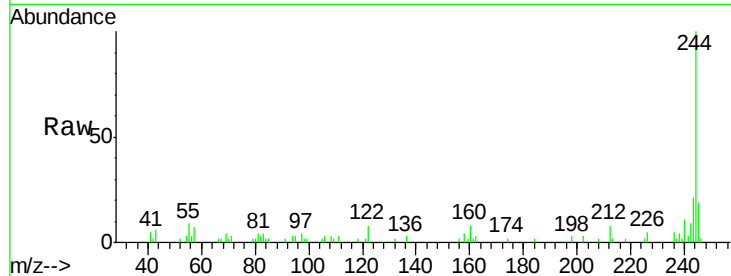
Acq: 9 Sep 2015 9:24

Instrument :

BNA_F

ClientSampleId :

NYSEG-CLARKST-ESMI-2DL



Tgt Ion:244 Resp: 17742

Ion Ratio Lower Upper

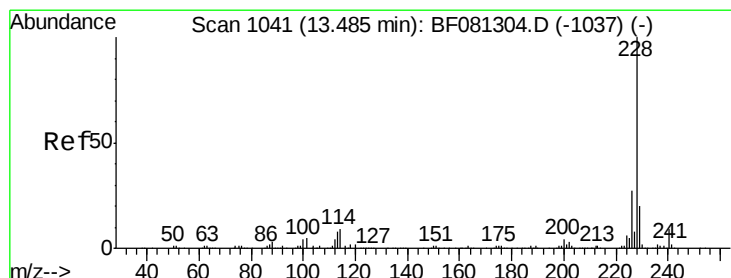
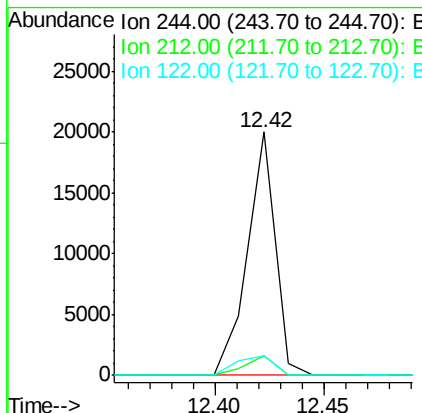
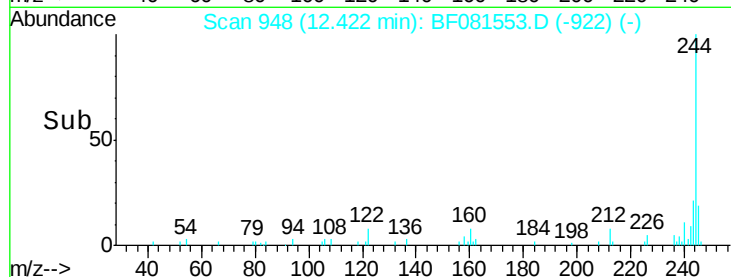
244 100

212 7.9 4.3 6.5#

122 8.0 17.4 26.2#

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#80

Benzo(a)anthracene

Concen: 6.56 ng m

RT: 13.44 min Scan# 1037

Delta R.T. 0.00 min

Lab File: BF081553.D

Acq: 9 Sep 2015 9:24

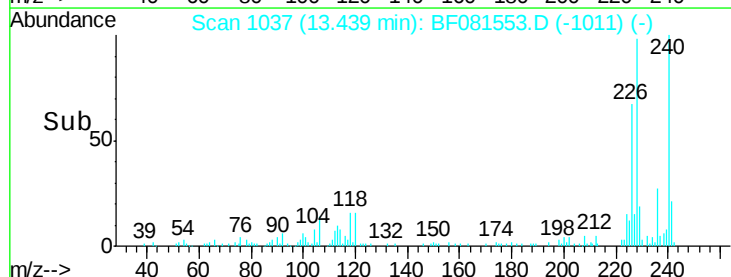
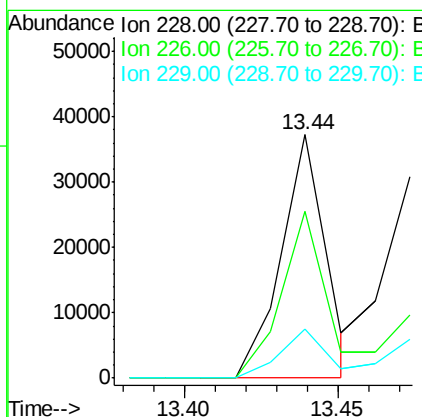
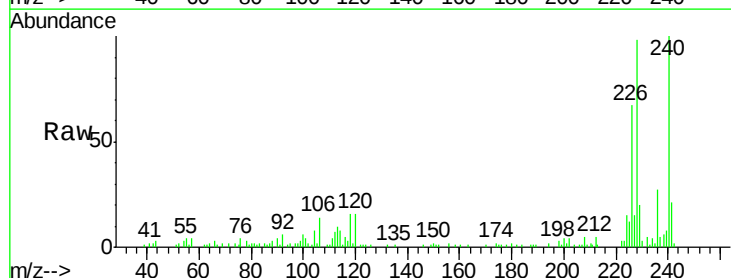
Tgt Ion:228 Resp: 37527

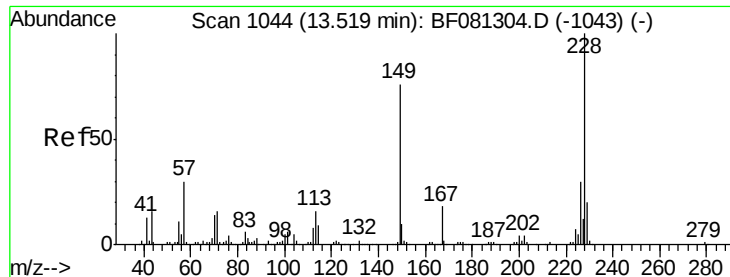
Ion Ratio Lower Upper

228 100

226 68.5 20.0 30.0#

229 20.1 15.4 23.2





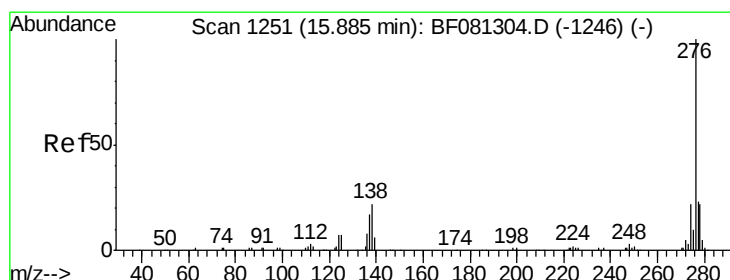
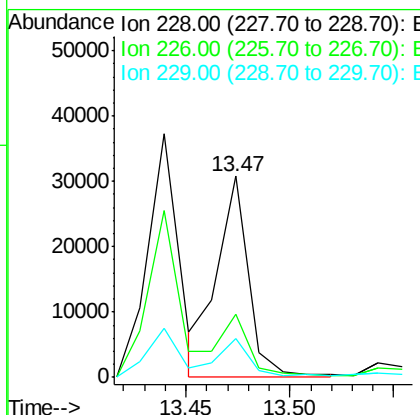
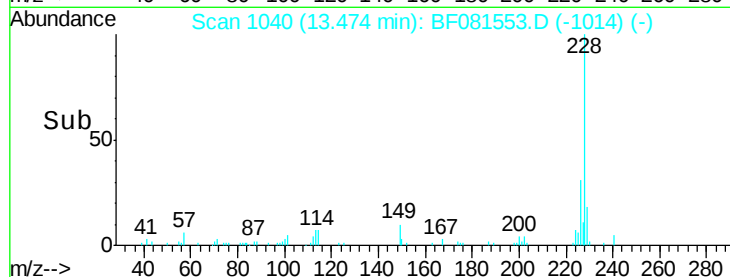
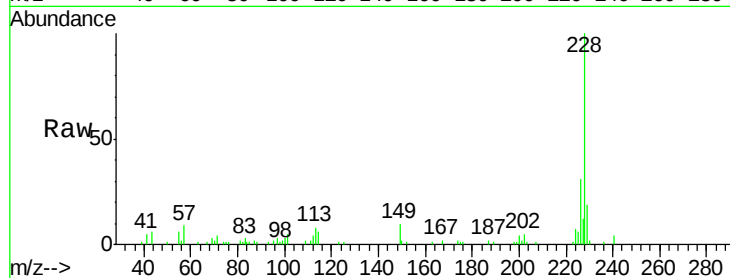
#82
Chrysene
 Concen: 6.45 ng m
 RT: 13.47 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BF081553.D
 Acq: 9 Sep 2015 9:24

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.0	31.4
229	19.0	15.6	23.4

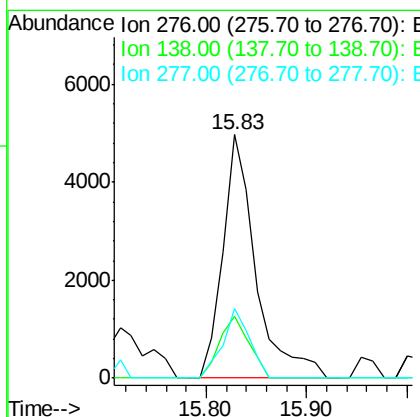
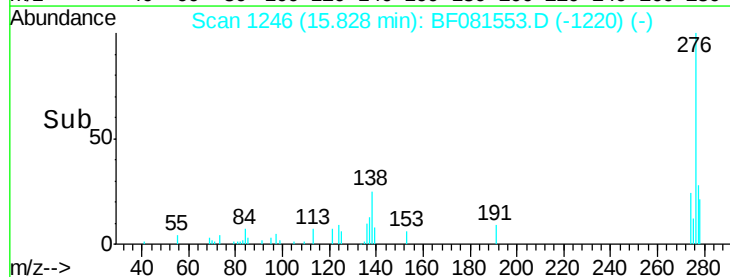
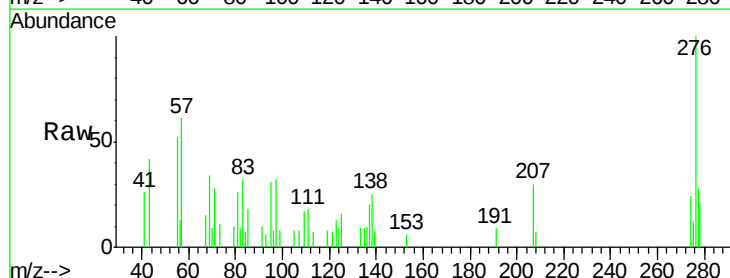
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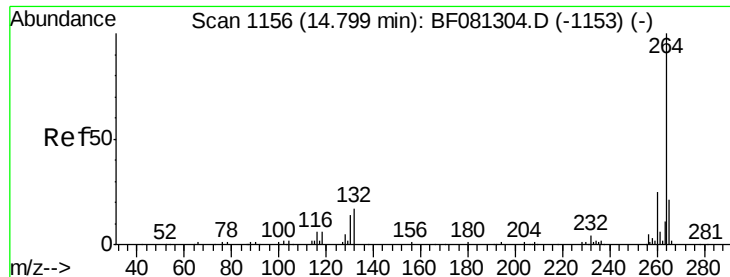
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#85
Indeno(1,2,3-cd)pyrene
 Concen: 3.00 ng
 RT: 15.83 min Scan# 1246
 Delta R.T. 0.00 min
 Lab File: BF081553.D
 Acq: 9 Sep 2015 9:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	25.7	38.5#
277	23.2	15.6	23.4





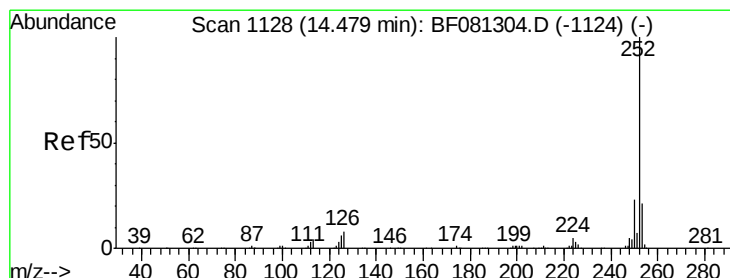
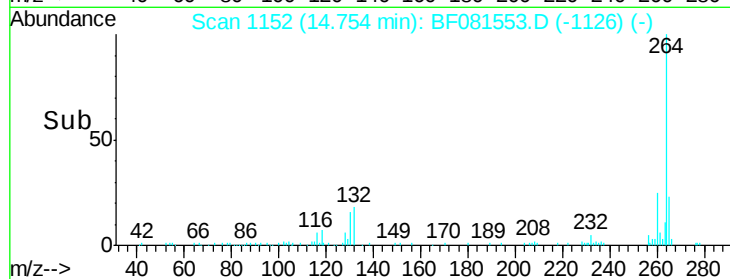
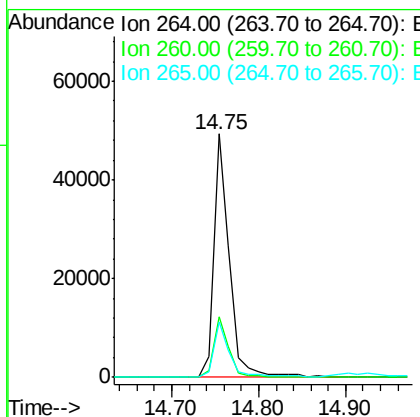
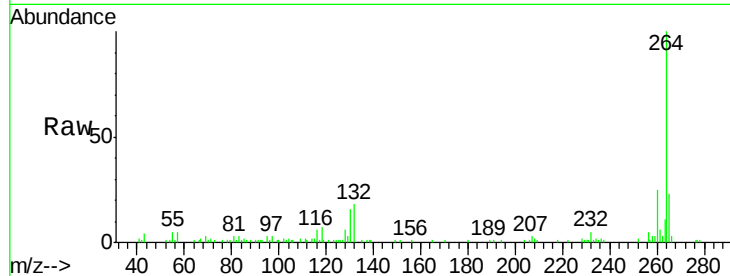
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF081553.D
Acq: 9 Sep 2015 9:24

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	16.7	25.1
265	23.0	17.2	25.8

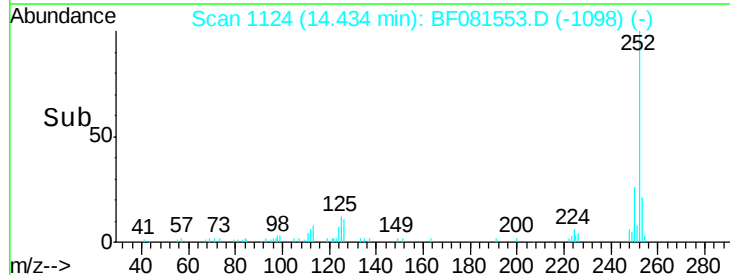
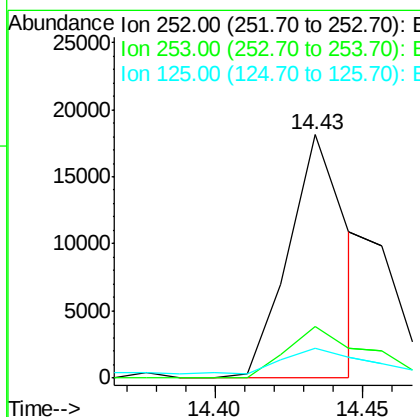
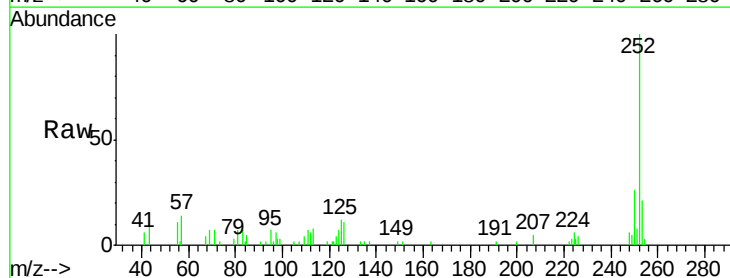
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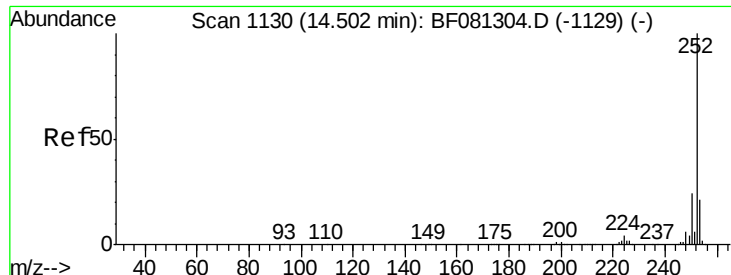
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#87
Benzo(b)fluoranthene
Concen: 5.67 ng m
RT: 14.43 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BF081553.D
Acq: 9 Sep 2015 9:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	12.0	17.1	25.7#





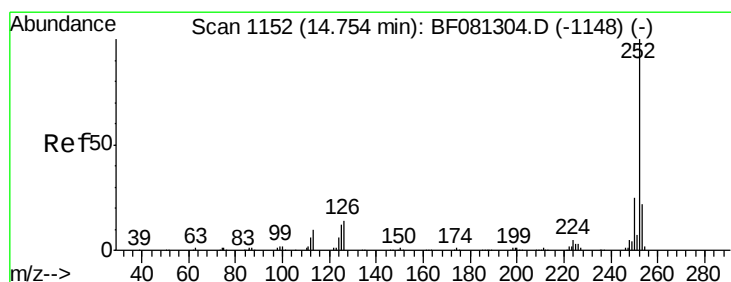
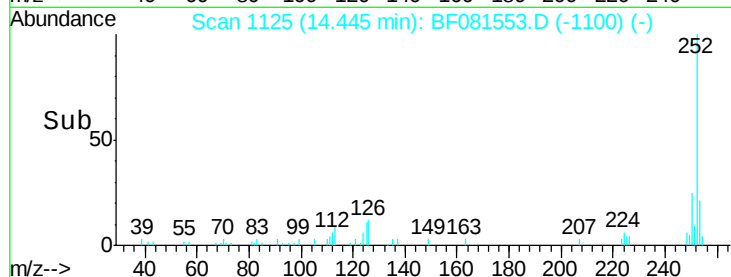
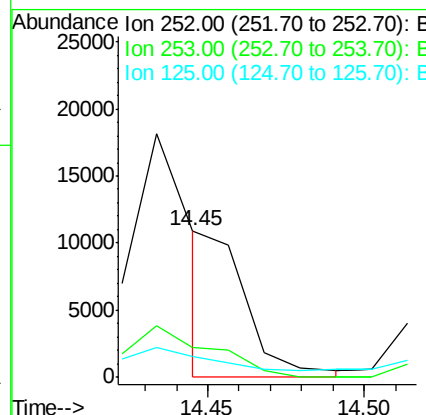
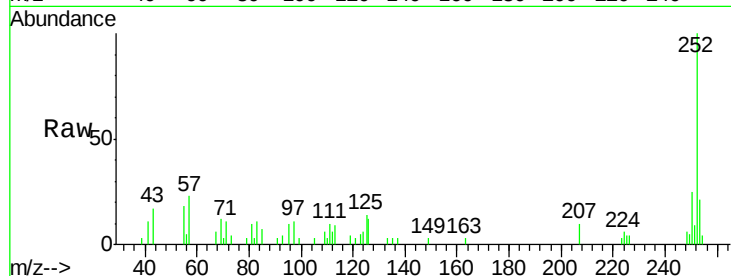
#88
Benzo(k)fluoranthene
Concen: 2.42 ng m
RT: 14.45 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF081553.D
Acq: 9 Sep 2015 9:24

Instrument :
BNA_F
ClientSampleId :
NYSEG-CLARKST-ESMI-2DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	20.5	17.0	25.4
125	14.1	16.0	24.0

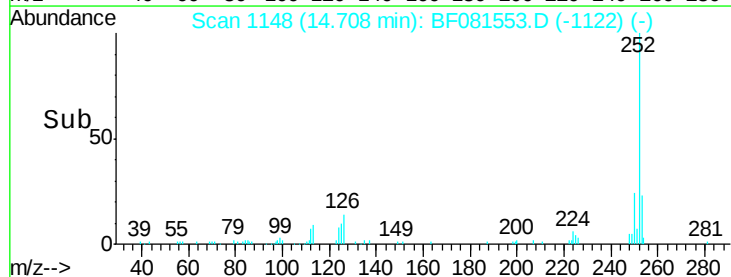
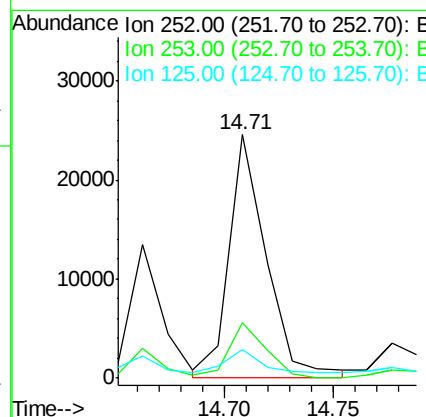
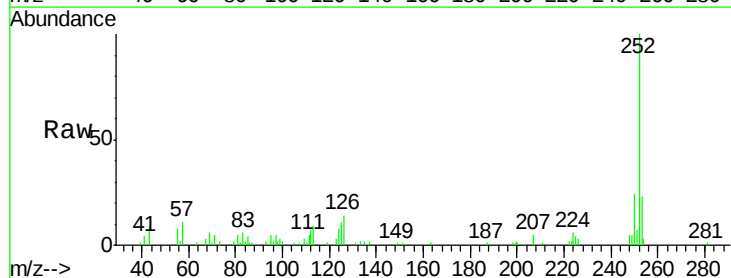
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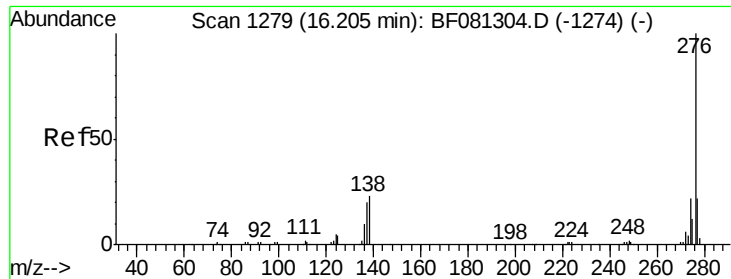
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#89
Benzo(a)pyrene
Concen: 7.87 ng
RT: 14.71 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF081553.D
Acq: 9 Sep 2015 9:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.8	17.2	25.8
125	11.5	18.0	27.0





#91
 Benzo(g,h,i)perylene
 Concen: 5.33 ng
 RT: 16.15 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: BF081553.D
 Acq: 9 Sep 2015 9:24

Instrument :
 BNA_F
 ClientSampleId :
 NYSEG-CLARKST-ESMI-2DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	20.3	17.8	26.6
138	18.8	34.6	51.8#

Manual Integrations
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