

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
 Data File : BF084777.D
 Acq On : 3 Feb 2016 7:08
 Operator : SJ/IZ
 Sample : H1313-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-22-012916

Quant Time: Feb 03 09:43:07 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

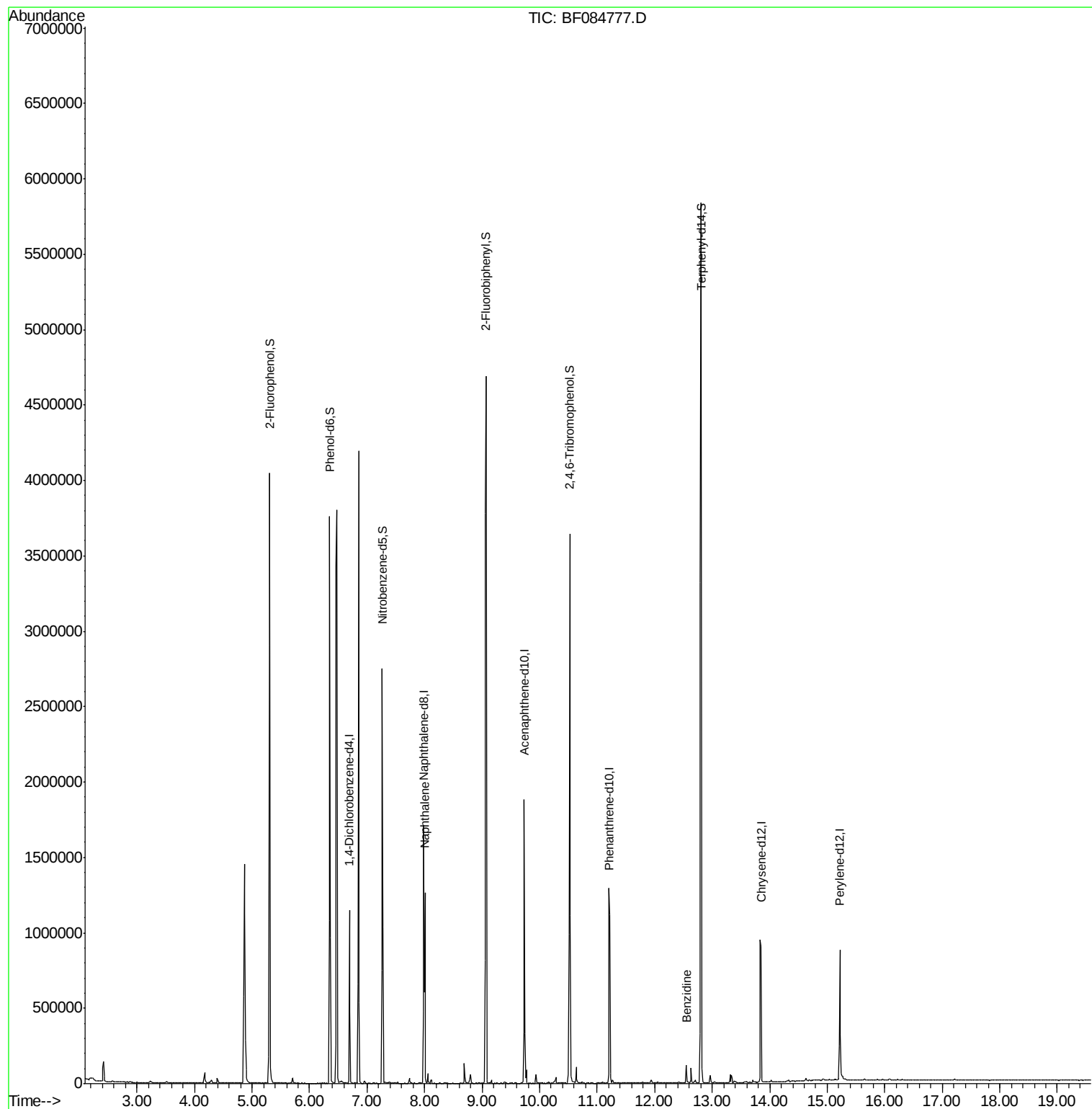
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	180650	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	773917	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	371081	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	683851	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	499368	20.00	ng	-0.02
86) Perylene-d12	15.22	264	381099	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1413080	121.84	ng	0.00
7) Phenol-d6	6.35	99	1429326	99.41	ng	-0.02
23) Nitrobenzene-d5	7.26	82	1054257	76.74	ng	-0.03
41) 2,4,6-Tribromophenol	10.52	330	511445	132.13	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	2149521	106.62	ng	-0.02
78) Terphenyl-d14	12.81	244	2110368	95.76	ng	-0.02
Target Compounds						
31) Naphthalene	8.01	128	621564	16.01	ng	99
76) Benzidine	12.56	184	67925	9.48	ng	# 95

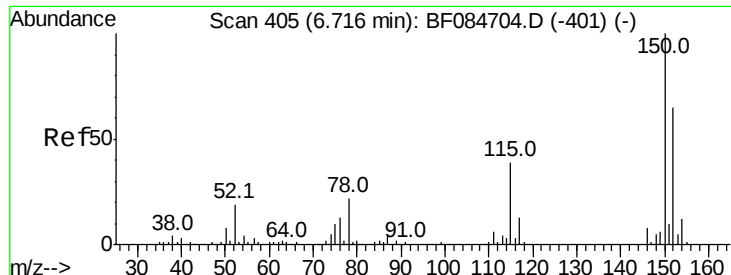
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF084777.D

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Instrument :

BNA_F

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HSR-WC-22-012916

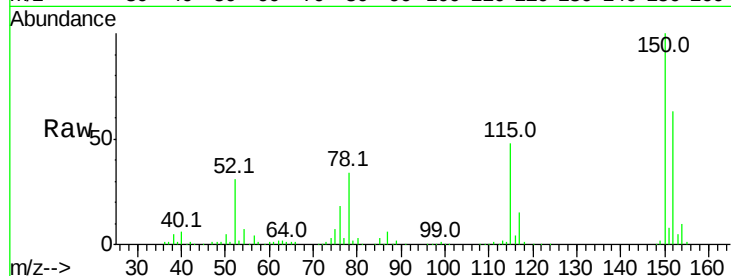
Tot Ion:152 Resp: 180650

Ion Ratio Lower Upper

152 100

150 159.5 123.0 184.4

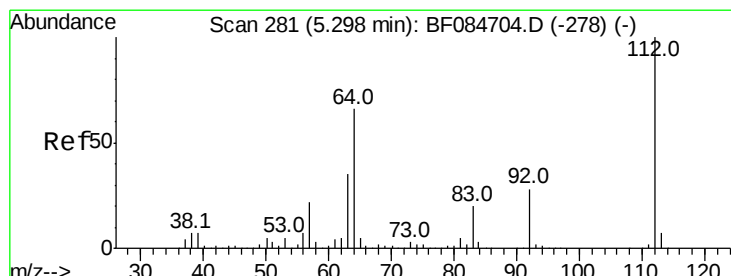
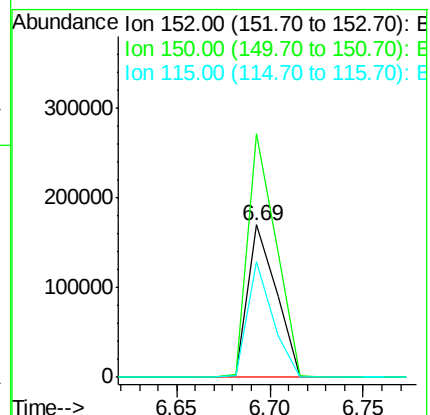
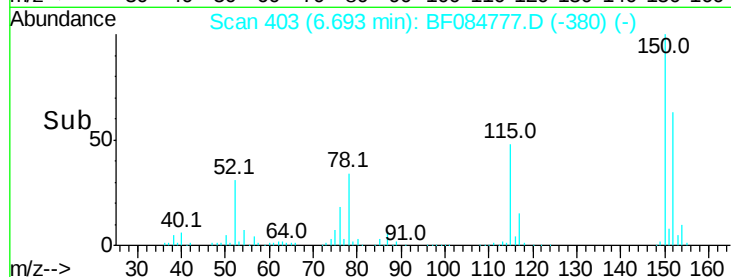
115 76.0 51.4 77.2



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: 121.84 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.00 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

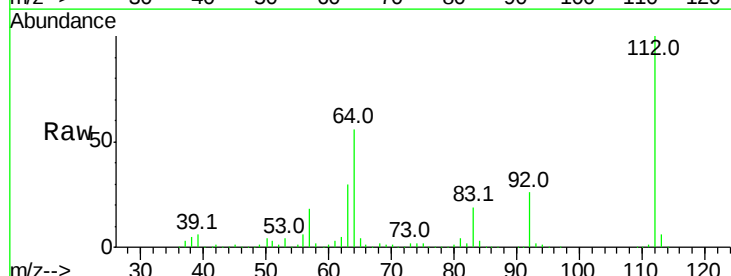
Tgt Ion:112 Resp: 1413080

Ion Ratio Lower Upper

112 100

64 55.5 36.6 55.0#

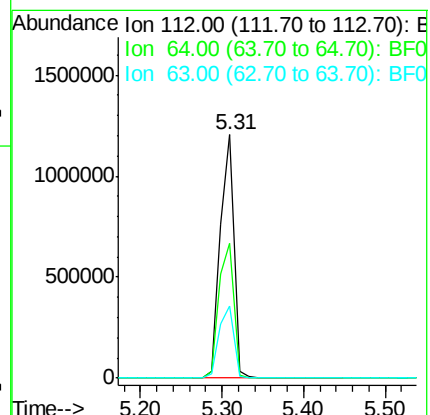
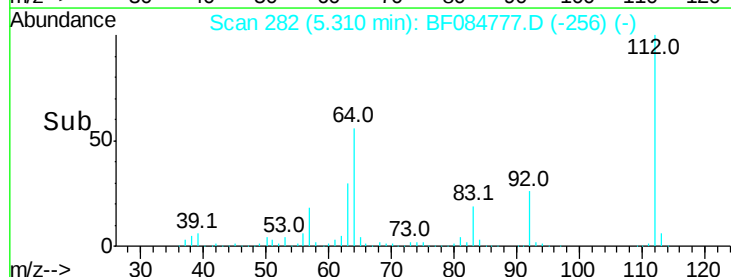
63 29.8 19.4 29.0#

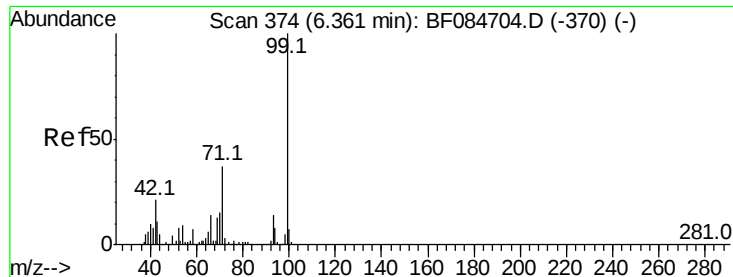


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 99.41 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

Instrument :

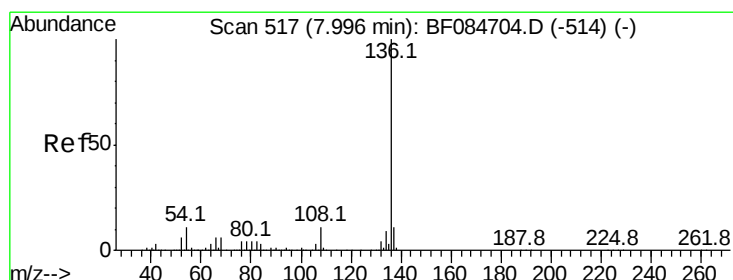
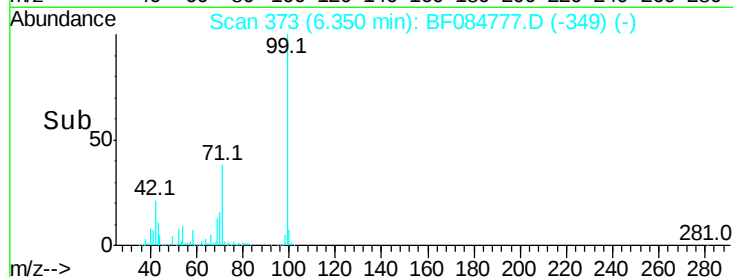
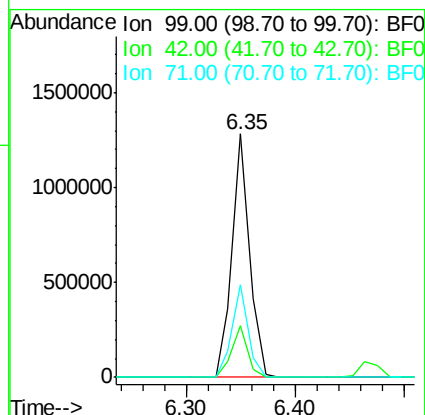
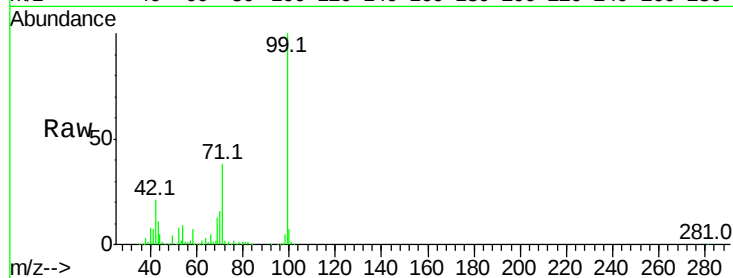
BNA_F

ClientSampleId :

HSR-WC-22-012916

Tot Ion: 99 Resp: 1429326

Ion	Ratio	Lower	Upper
99	100		
42	21.2	12.8	19.2#
71	38.2	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 516

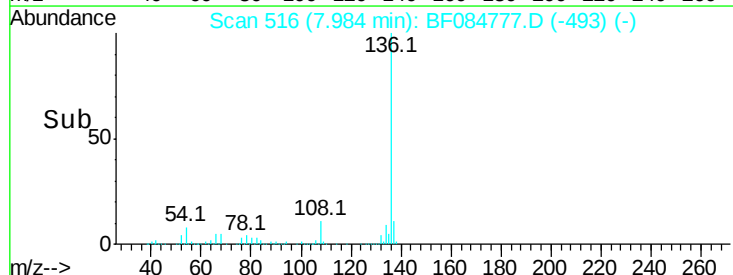
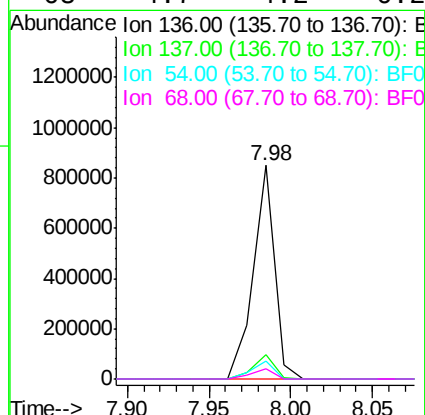
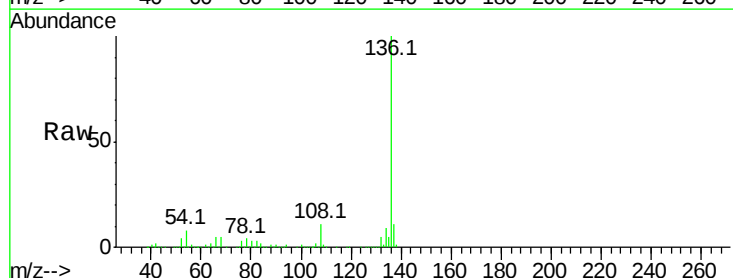
Delta R.T. -0.03 min

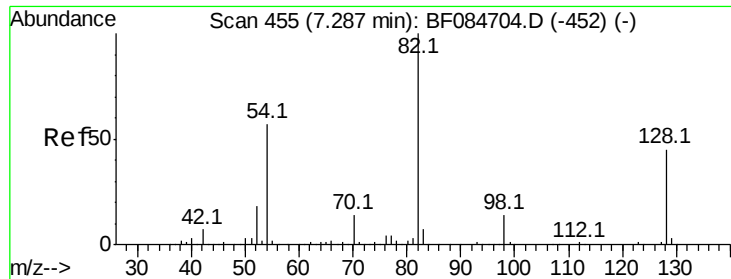
Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

Tgt Ion: 136 Resp: 773917

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	8.2	5.8	8.8
68	4.7	4.2	6.2

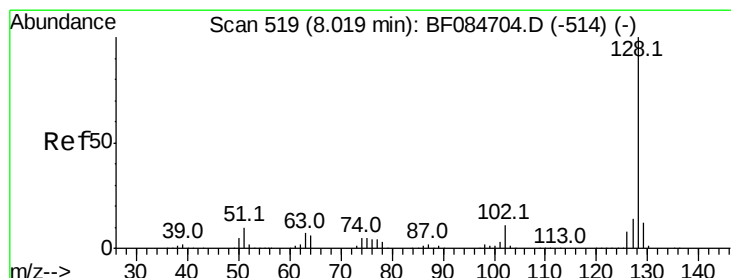
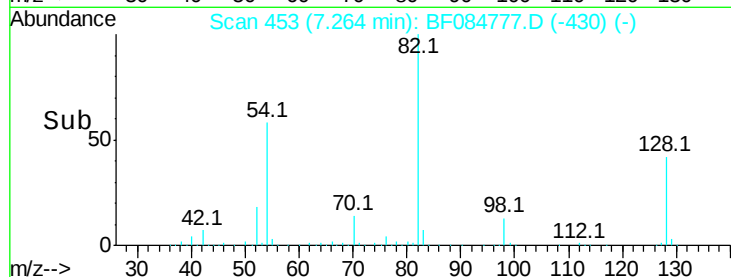
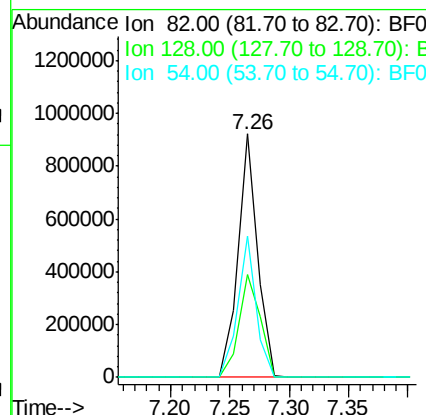
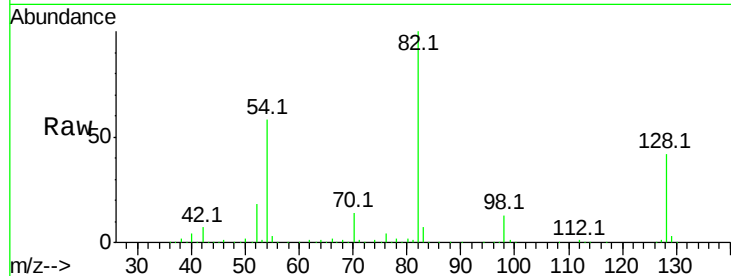




#23
 Nitrobenzene-d5
 Concen: 76.74 ng
 RT: 7.26 min Scan# 453
 Delta R.T. -0.03 min
 Lab File: BF084777.D
 Acq: 3 Feb 2016 7:08

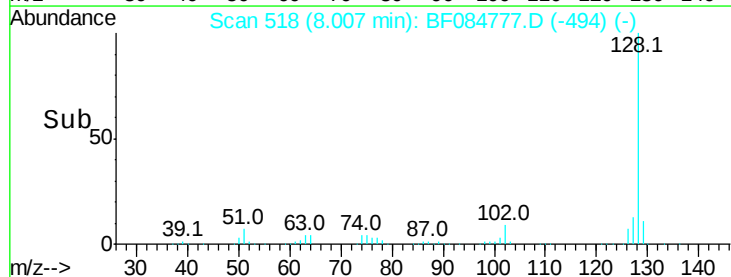
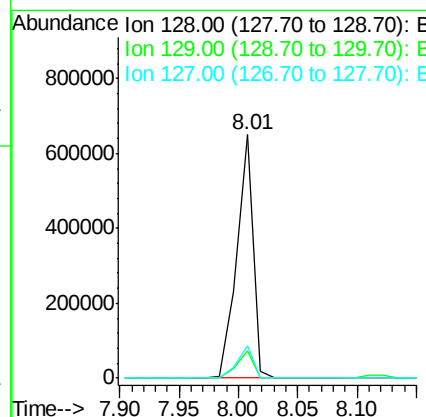
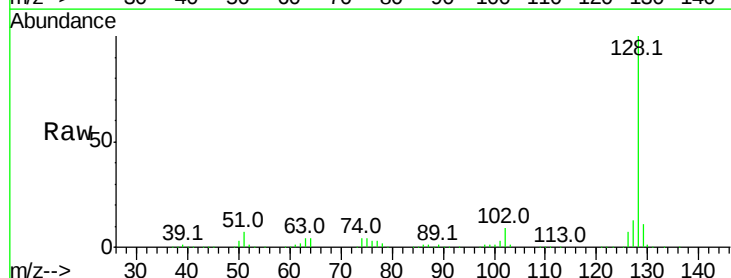
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-22-012916

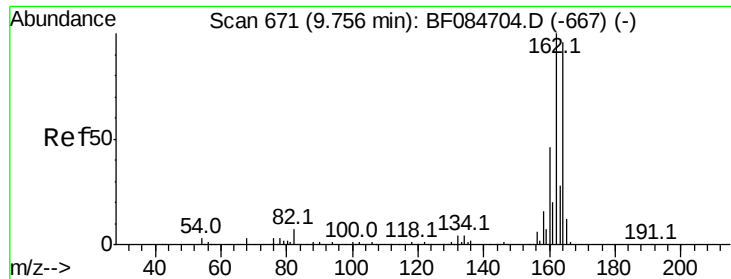
Tot Ion: 82 Resp: 1054257
 Ion Ratio Lower Upper
 82 100
 128 42.5 34.6 51.8
 54 58.0 38.4 57.6#



#31
 Naphthalene
 Concen: 16.01 ng
 RT: 8.01 min Scan# 518
 Delta R.T. -0.02 min
 Lab File: BF084777.D
 Acq: 3 Feb 2016 7:08

Tgt Ion: 128 Resp: 621564
 Ion Ratio Lower Upper
 128 100
 129 11.1 9.1 13.7
 127 13.1 11.1 16.7

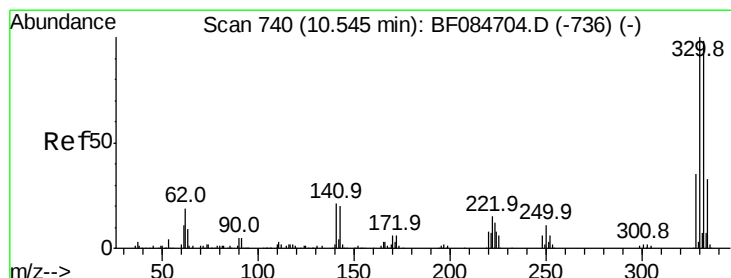
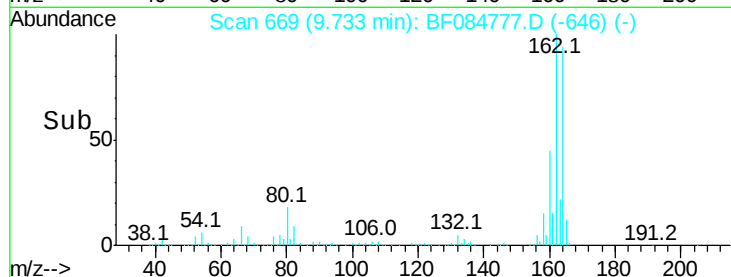
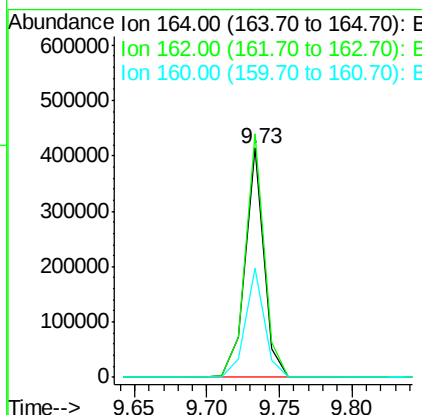
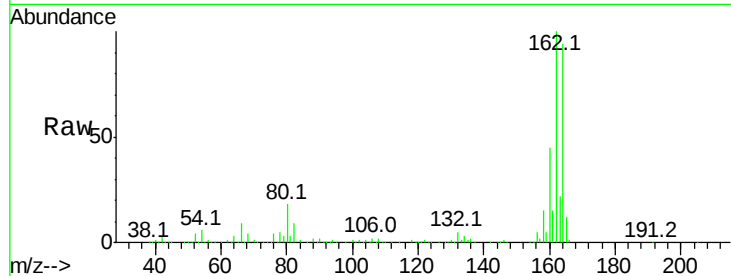




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.03 min
 Lab File: BF084777.D
 Acq: 3 Feb 2016 7:08

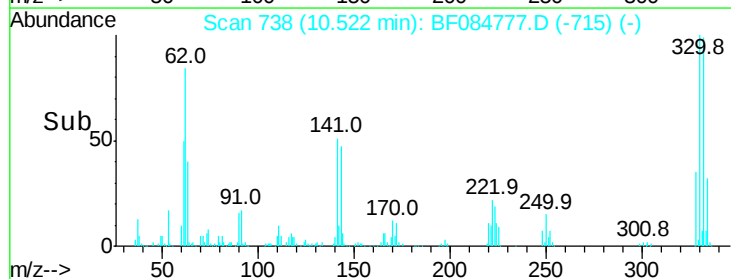
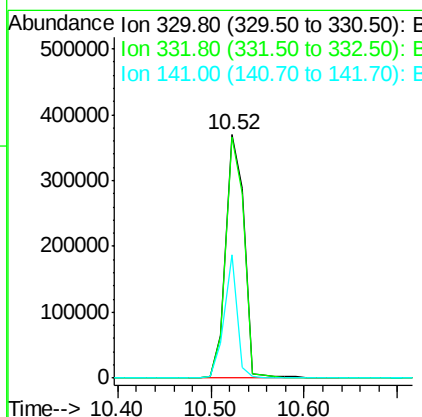
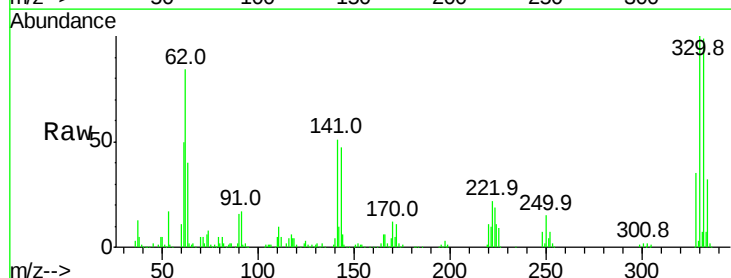
Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-22-012916

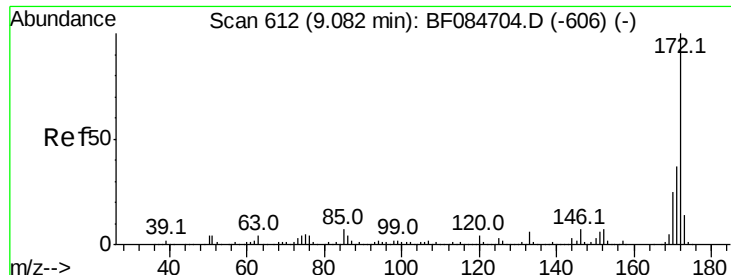
Tot Ion:164 Resp: 371081
 Ion Ratio Lower Upper
 164 100
 162 106.4 85.1 127.7
 160 47.6 37.5 56.3



#41
 2,4,6-Tribromophenol
 Concen: 132.13 ng
 RT: 10.52 min Scan# 738
 Delta R.T. -0.03 min
 Lab File: BF084777.D
 Acq: 3 Feb 2016 7:08

Tgt Ion:330 Resp: 511445
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.6 114.8
 141 35.8 27.8 41.6

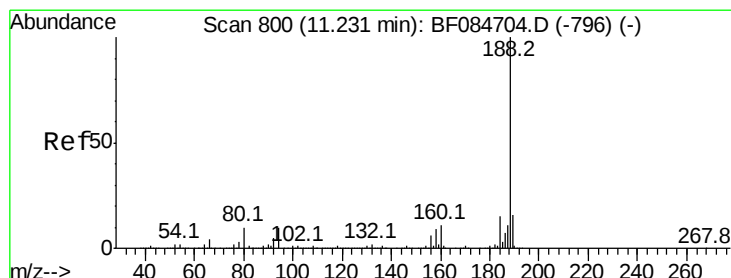
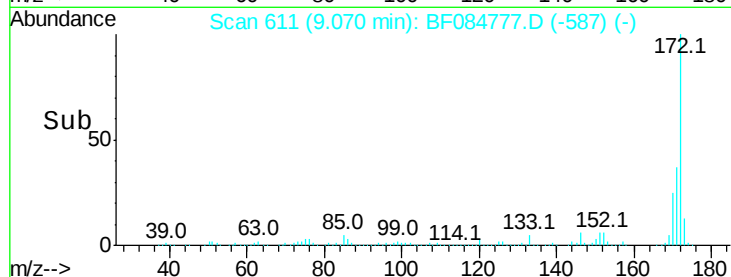
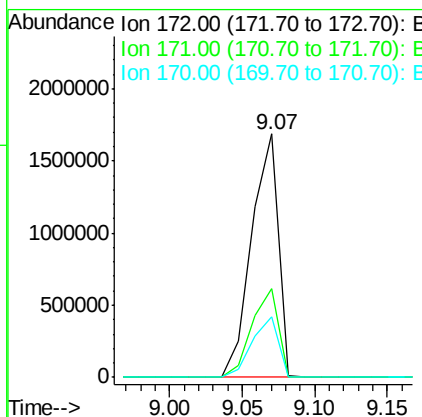
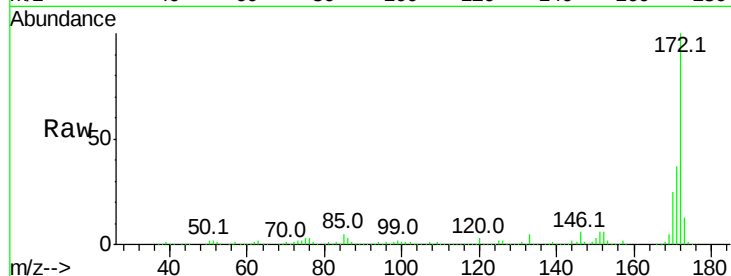




#44
 2-Fluorobiphenyl
 Concen: 106.62 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084777.D
 Acq: 3 Feb 2016 7:08

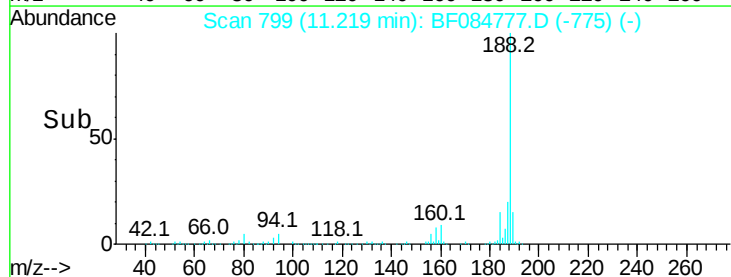
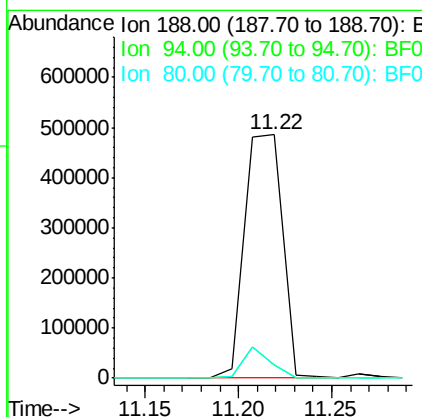
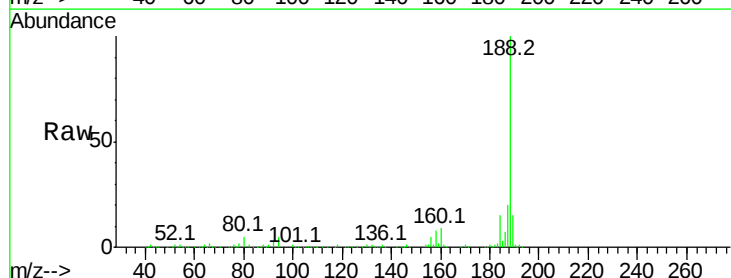
Instrument :
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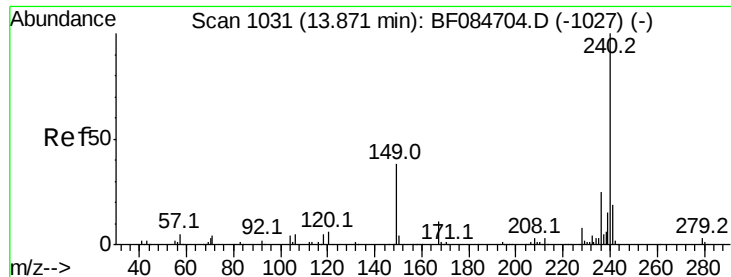
Tot Ion:172 Resp: 2149521
 Ion Ratio Lower Upper
 172 100
 171 36.7 28.9 43.3
 170 25.1 18.6 27.8



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 799
 Delta R.T. -0.02 min
 Lab File: BF084777.D
 Acq: 3 Feb 2016 7:08

Tgt Ion:188 Resp: 683851
 Ion Ratio Lower Upper
 188 100
 94 5.2 9.0 13.4#
 80 5.4 9.6 14.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

Instrument :

BNA_F

ClientSampleId :

HSR-WC-22-012916

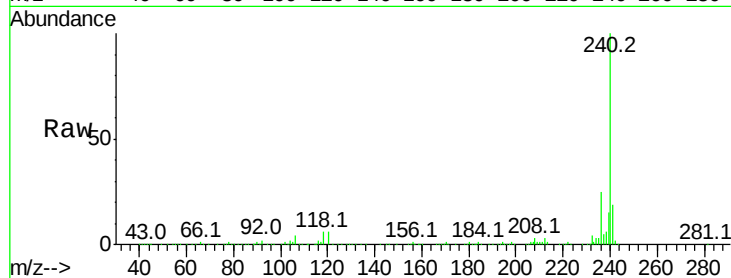
Tot Ion:240 Resp: 499368

Ion Ratio Lower Upper

240 100

120 6.1 9.5 14.3#

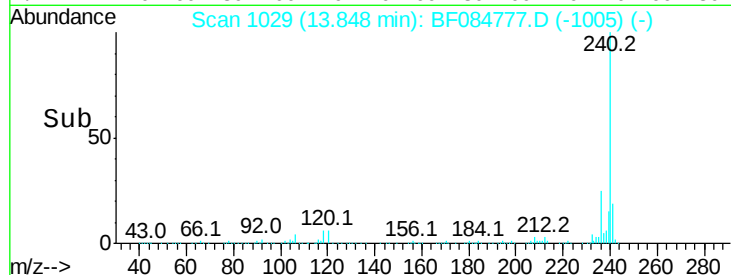
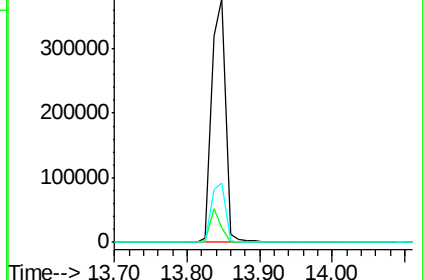
236 24.6 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 9.48 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.02 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

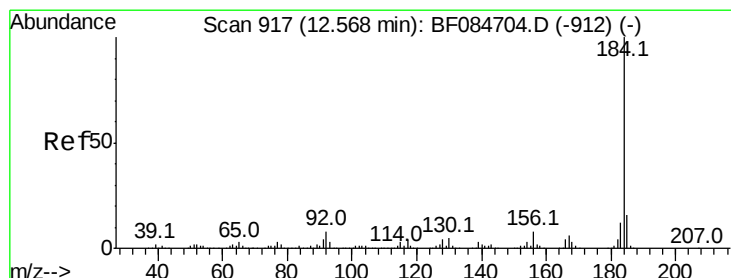
Tgt Ion:184 Resp: 67925

Ion Ratio Lower Upper

184 100

185 13.9 12.2 18.2

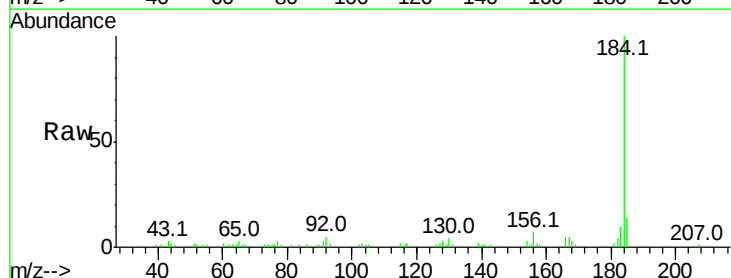
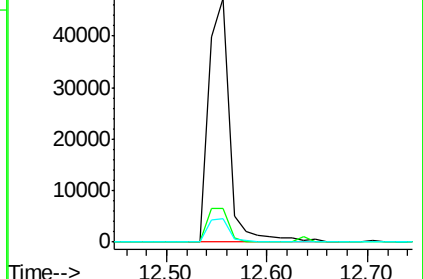
183 9.7 9.8 14.8#

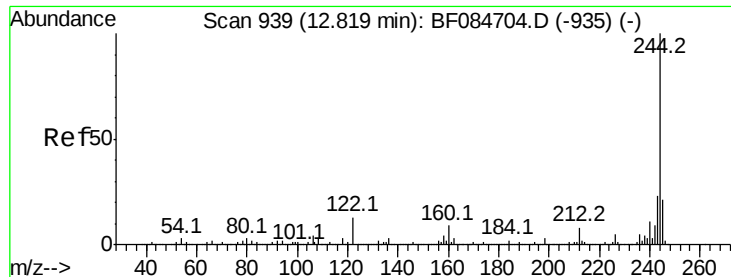


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 95.76 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

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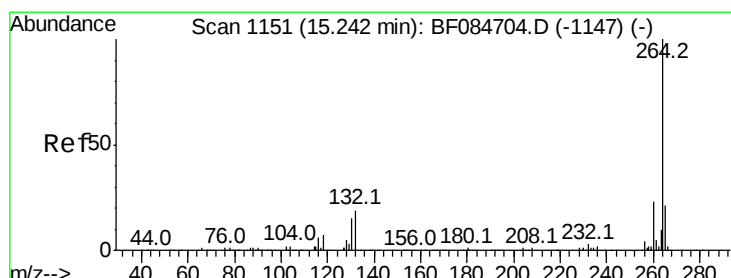
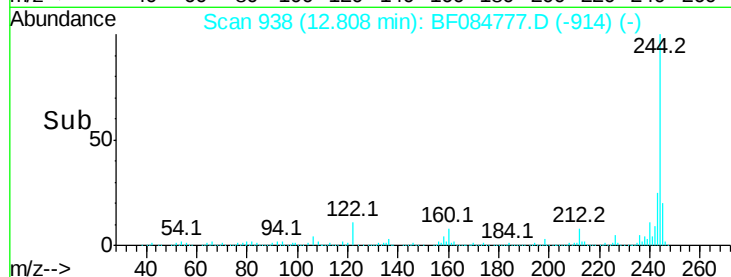
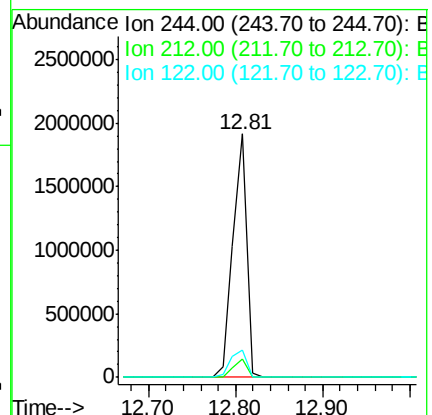
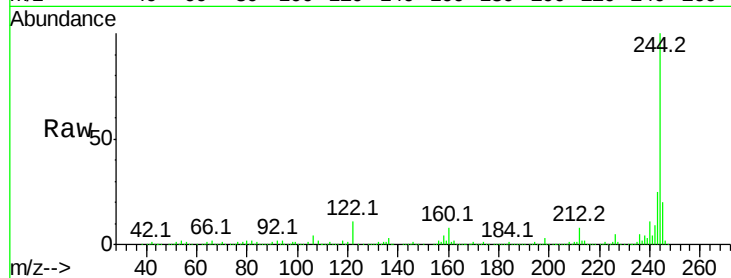
Tot Ion:244 Resp: 2110368

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

122 11.1 7.4 11.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.22 min Scan# 1149

Delta R.T. -0.03 min

Lab File: BF084777.D

Acq: 3 Feb 2016 7:08

Tgt Ion:264 Resp: 381099

Ion Ratio Lower Upper

264 100

260 22.8 19.4 29.2

265 21.9 17.8 26.6

